

Cover Page

Order ID : P5299

Project ID : Amtrak Sawtooth Bridges 2024

Client : Portal Partners Tri-Venture

Lab Sample Number

P5299-01
P5299-02
P5299-03
P5299-04

Client Sample Number

SB-01
SB-02
SB-01
SB-02

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: 12/26/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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 #: P5299

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: SHREENA PATEL

Date: 12/26/2024

LAB CHRONICLE

OrderID:	P5299	OrderDate:	12/16/2024 12:24:00 PM
Client:	Portal Partners Tri-Venture	Project:	Amtrak Sawtooth Bridges 2024
Contact:	Joseph Krupansky	Location:	L41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P5299-01	SB-01	SOIL	SVOC-TCL BNA -20	8270E	12/14/24	12/18/24	12/27/24	12/16/24
P5299-02	SB-02	SOIL	SVOC-TCL BNA -20	8270E	12/15/24	12/18/24	12/27/24	12/16/24
P5299-03	SB-01	SOIL	SVOC-TCL BNA -20	8270E	12/15/24	12/18/24	12/27/24	12/16/24
P5299-04	SB-02	SOIL	SVOC-TCL BNA -20	8270E	12/15/24	12/18/24	12/27/24	12/16/24

Hit Summary Sheet SW-846

SDG No.: P5299

Client: Portal Partners Tri-Venture

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : SB-01								
P5299-01	SB-01	SOIL	5-Eicosene, (E)-	*	250.000	J 0	0	ug/Kg
P5299-01	SB-01	SOIL	Benzophenone	*	320.000	J 0	0	ug/Kg
P5299-01	SB-01	SOIL	n-Hexadecanoic acid	*	230.000	J 0	0	ug/Kg
Total Tics :					800.00			
Total Concentration:					800.00			
Client ID : SB-02								
P5299-02	SB-02	SOIL	1-Octadecanesulphonyl chloride	*	110.000	J 0	0	ug/Kg
P5299-02	SB-02	SOIL	Benzophenone	*	410.000	J 0	0	ug/Kg
P5299-02	SB-02	SOIL	Decane, 2,6,7-trimethyl-	*	92.200	J 0	0	ug/Kg
P5299-02	SB-02	SOIL	n-Hexadecanoic acid	*	490.000	J 0	0	ug/Kg
P5299-02	SB-02	SOIL	n-Tetracosanol-1	*	460.000	J 0	0	ug/Kg
P5299-02	SB-02	SOIL	Octadecanoic acid	*	120.000	J 0	0	ug/Kg
P5299-02	SB-02	SOIL	Pentadecane	*	93.500	J 0	0	ug/Kg
P5299-02	SB-02	SOIL	Tetradecane	*	270.000	J 0	0	ug/Kg
P5299-02	SB-02	SOIL	Tridecane	*	170.000	J 0	0	ug/Kg
Total Tics :					2,215.70			
Total Concentration:					2,215.70			
Client ID : SB-01								
P5299-03	SB-01	SOIL	Tetradecane	*	2,200.000	J 0	0	ug/Kg
P5299-03	SB-01	SOIL	Tridecane	*	940.000	J 0	0	ug/Kg
P5299-03	SB-01	SOIL	Tridecane, 3-methyl-	*	200.000	J 0	0	ug/Kg
P5299-03	SB-01	SOIL	Tridecane, 6-methyl-	*	360.000	J 0	0	ug/Kg
P5299-03	SB-01	SOIL	Undecane, 2,6-dimethyl-	*	100.000	J 0	0	ug/Kg
P5299-03	SB-01	SOIL	unknown8.404	*	280.000	J 0	0	ug/Kg
P5299-03	SB-01	SOIL	2,6,10-Trimethyltridecane	*	870.000	J 0	0	ug/Kg
P5299-03	SB-01	SOIL	2-Bromo dodecane	*	280.000	J 0	0	ug/Kg
P5299-03	SB-01	SOIL	5-Eicosene, (E)-	*	350.000	J 0	0	ug/Kg
P5299-03	SB-01	SOIL	6-Octadecenoic acid, (Z)-	*	210.000	J 0	0	ug/Kg
P5299-03	SB-01	SOIL	Benzophenone	*	390.000	J 0	0	ug/Kg
P5299-03	SB-01	SOIL	Decane	*	110.000	J 0	0	ug/Kg
P5299-03	SB-01	SOIL	Dodecane, 2,6,10-trimethyl-	*	650.000	J 0	0	ug/Kg
P5299-03	SB-01	SOIL	Dodecane, 2-methyl-	*	110.000	J 0	0	ug/Kg
P5299-03	SB-01	SOIL	Dodecane, 4,6-dimethyl-	*	350.000	J 0	0	ug/Kg
P5299-03	SB-01	SOIL	Hexadecane	*	200.000	J 0	0	ug/Kg
P5299-03	SB-01	SOIL	n-Hexadecanoic acid	*	920.000	J 0	0	ug/Kg
P5299-03	SB-01	SOIL	Octacosane, 2-methyl-	*	170.000	J 0	0	ug/Kg

Hit Summary Sheet SW-846

SDG No.: P5299

Client: Portal Partners Tri-Venture

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P5299-03	SB-01	SOIL	Octadecanoic acid	*	380.000	J 0	0	ug/Kg
P5299-03	SB-01	SOIL	Pentadecane	*	920.000	J 0	0	ug/Kg
Total Tics :				9,990.00				
Total Concentration:				9,990.00				
Client ID : SB-02								
P5299-04	SB-02	SOIL	1-Nonadecene	*	450.000	J 0	0	ug/Kg
P5299-04	SB-02	SOIL	9-Octadecenoic acid, (E)-	*	110.000	J 0	0	ug/Kg
P5299-04	SB-02	SOIL	Benzophenone	*	360.000	J 0	0	ug/Kg
P5299-04	SB-02	SOIL	Cyclohexane, 1,1-(1,4-butanediyl)	*	170.000	J 0	0	ug/Kg
P5299-04	SB-02	SOIL	Dodecane, 2,6,10-trimethyl-	*	310.000	J 0	0	ug/Kg
P5299-04	SB-02	SOIL	Eicosane	*	120.000	J 0	0	ug/Kg
P5299-04	SB-02	SOIL	Heptadecane	*	110.000	J 0	0	ug/Kg
P5299-04	SB-02	SOIL	Hexacosane	*	190.000	J 0	0	ug/Kg
P5299-04	SB-02	SOIL	Hexadecane	*	350.000	J 0	0	ug/Kg
P5299-04	SB-02	SOIL	n-Hexadecanoic acid	*	890.000	J 0	0	ug/Kg
P5299-04	SB-02	SOIL	Nonadecane, 2-methyl-	*	100.000	J 0	0	ug/Kg
P5299-04	SB-02	SOIL	Nonane, 2,6-dimethyl-	*	260.000	J 0	0	ug/Kg
P5299-04	SB-02	SOIL	Octadecanoic acid	*	490.000	J 0	0	ug/Kg
P5299-04	SB-02	SOIL	Tetradecane	*	930.000	J 0	0	ug/Kg
P5299-04	SB-02	SOIL	trans-Sinapyl alcohol	*	110.000	J 0	0	ug/Kg
P5299-04	SB-02	SOIL	Tridecane	*	440.000	J 0	0	ug/Kg
P5299-04	SB-02	SOIL	Tritetracontane	*	370.000	J 0	0	ug/Kg
P5299-04	SB-02	SOIL	Undecane, 2,6-dimethyl-	*	130.000	J 0	0	ug/Kg
P5299-04	SB-02	SOIL	unknown7.634	*	110.000	J 0	0	ug/Kg
P5299-04	SB-02	SOIL	unknown8.987	*	130.000	J 0	0	ug/Kg
Total Tics :				6,130.00				
Total Concentration:				6,130.00				



QC SUMMARY

Surrogate Summary

SW-846

SDG No.: **P5299**

Client: **Portal Partners Tri-Venture**

Analytical Method: **8270E**

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
P5299-01	SB-01	2-Fluorophenol	150	78.5	52		30 (18)	130 (112)
		Phenol-d6	150	79.6	53		30 (15)	130 (107)
		Nitrobenzene-d5	100	64.6	65		30 (18)	130 (107)
		2-Fluorobiphenyl	100	53.1	53		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	86.6	58		30 (10)	130 (116)
		Terphenyl-d14	100	53.0	53		30 (10)	130 (105)
P5299-02	SB-02	2-Fluorophenol	150	106	70		30 (18)	130 (112)
		Phenol-d6	150	103	69		30 (15)	130 (107)
		Nitrobenzene-d5	100	86.9	87		30 (18)	130 (107)
		2-Fluorobiphenyl	100	70.8	71		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	117	78		30 (10)	130 (116)
		Terphenyl-d14	100	73.6	74		30 (10)	130 (105)
P5299-03	SB-01	2-Fluorophenol	150	149	99		30 (18)	130 (112)
		Phenol-d6	150	144	96		30 (15)	130 (107)
		Nitrobenzene-d5	100	125	125		30 (18)	130 (107)
		2-Fluorobiphenyl	100	89.3	89		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	172	115		30 (10)	130 (116)
		Terphenyl-d14	100	82.8	83		30 (10)	130 (105)
P5299-04	SB-02	2-Fluorophenol	150	148	98		30 (18)	130 (112)
		Phenol-d6	150	148	99		30 (15)	130 (107)
		Nitrobenzene-d5	100	125	125		30 (18)	130 (107)
		2-Fluorobiphenyl	100	91.9	92		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	174	116		30 (10)	130 (116)
		Terphenyl-d14	100	94.4	94		30 (10)	130 (105)
P5306-09MS	OU4-VSL-11-121224MS	2-Fluorophenol	150	131	88		30 (18)	130 (112)
		Phenol-d6	150	134	90		30 (15)	130 (107)
		Nitrobenzene-d5	100	89.0	89		30 (18)	130 (107)
		2-Fluorobiphenyl	100	84.0	84		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	122	82		30 (10)	130 (116)
		Terphenyl-d14	100	91.0	91		30 (10)	130 (105)
P5306-09MSD	OU4-VSL-11-121224MSD	2-Fluorophenol	150	142	95		30 (18)	130 (112)
		Phenol-d6	150	140	94		30 (15)	130 (107)
		Nitrobenzene-d5	100	89.7	90		30 (18)	130 (107)
		2-Fluorobiphenyl	100	86.8	87		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	134	90		30 (10)	130 (116)
		Terphenyl-d14	100	92.3	92		30 (10)	130 (105)
PB165705BL	PB165705BL	2-Fluorophenol	150	150	100		30 (18)	130 (112)
		Phenol-d6	150	153	102		30 (15)	130 (107)
		Nitrobenzene-d5	100	107	107		30 (18)	130 (107)
		2-Fluorobiphenyl	100	103	103		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	146	97		30 (10)	130 (116)
		Terphenyl-d14	100	110	110		30 (10)	130 (105)
PB165705BS	PB165705BS	2-Fluorophenol	150	143	96		30 (18)	130 (112)
		Phenol-d6	150	136	91		30 (15)	130 (107)
		Nitrobenzene-d5	100	91.6	92		30 (18)	130 (107)
		2-Fluorobiphenyl	100	105	105		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	135	90		30 (10)	130 (116)
		Terphenyl-d14	100	121	121		30 (10)	130 (105)

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P5299

Client: Portal Partners Tri-Venture

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P5306-09MS		Client Sample ID: OU4-VSL-11-121224MS		DataFile: BF140948.D							
Benzaldehyde	1800	0	550	ug/Kg	31				20 (10)	160 (86)	
Phenol	1800	0	2000	ug/Kg	111				20 (67)	160 (126)	
bis(2-Chloroethyl)ether	1800	0	1900	ug/Kg	106				70 (54)	130 (125)	
2-Chlorophenol	1800	0	2000	ug/Kg	111				70 (79)	130 (107)	
2-Methylphenol	1800	0	1900	ug/Kg	106				70 (66)	130 (122)	
2,2-oxybis(1-Chloropropane)	1800	0	1800	ug/Kg	100				70 (65)	130 (110)	
Acetophenone	1800	0	1900	ug/Kg	106				70 (75)	130 (111)	
3+4-Methylphenols	1800	0	2000	ug/Kg	111				20 (66)	160 (104)	
N-Nitroso-di-n-propylamine	1800	0	1900	ug/Kg	106				70 (59)	130 (119)	
Hexachloroethane	1800	0	1700	ug/Kg	94				20 (65)	160 (117)	
Nitrobenzene	1800	0	1800	ug/Kg	100				70 (70)	130 (119)	
Isophorone	1800	0	1800	ug/Kg	100				70 (76)	130 (122)	
2-Nitrophenol	1800	0	2000	ug/Kg	111				70 (54)	130 (145)	
2,4-Dimethylphenol	1800	0	2300	ug/Kg	128				70 (44)	130 (135)	
bis(2-Chloroethoxy)methane	1800	0	1800	ug/Kg	100				70 (68)	130 (112)	
2,4-Dichlorophenol	1800	0	1900	ug/Kg	106				70 (72)	130 (118)	
Naphthalene	1800	0	1800	ug/Kg	100				70 (72)	130 (110)	
4-Chloroaniline	1800	0	810	ug/Kg	45	*			70 (10)	130 (91)	
Hexachlorobutadiene	1800	0	1600	ug/Kg	89				70 (66)	130 (114)	
Caprolactam	1800	0	2000	ug/Kg	111				20 (51)	160 (134)	
4-Chloro-3-methylphenol	1800	0	1700	ug/Kg	94				70 (57)	130 (132)	
2-Methylnaphthalene	1800	0	1700	ug/Kg	94				70 (59)	130 (123)	
Hexachlorocyclopentadiene	3500	0	1500	ug/Kg	43				20 (10)	160 (175)	
2,4,6-Trichlorophenol	1800	0	1800	ug/Kg	100				70 (72)	130 (117)	
2,4,5-Trichlorophenol	1800	0	1800	ug/Kg	100				70 (72)	130 (117)	
1,1-Biphenyl	1800	0	1800	ug/Kg	100				70 (75)	130 (113)	
2-Chloronaphthalene	1800	0	1800	ug/Kg	100				70 (67)	130 (118)	
2-Nitroaniline	1800	0	1800	ug/Kg	100				70 (69)	130 (127)	
Dimethylphthalate	1800	0	1800	ug/Kg	100				70 (70)	130 (113)	
Acenaphthylene	1800	0	2000	ug/Kg	111				70 (79)	130 (118)	
2,6-Dinitrotoluene	1800	0	1800	ug/Kg	100				70 (70)	130 (125)	
3-Nitroaniline	1800	0	1100	ug/Kg	61	*			70 (30)	130 (99)	
Acenaphthene	1800	0	1900	ug/Kg	106				70 (70)	130 (121)	
2,4-Dinitrophenol	3500	0	3400	ug/Kg	97				20 (10)	160 (155)	
4-Nitrophenol	3500	0	3000	ug/Kg	86				20 (45)	160 (133)	
Dibenzofuran	1800	0	1900	ug/Kg	106				70 (72)	130 (110)	
2,4-Dinitrotoluene	1800	0	1900	ug/Kg	106				70 (55)	130 (128)	
Diethylphthalate	1800	0	1700	ug/Kg	94				70 (70)	130 (112)	
4-Chlorophenyl-phenylether	1800	0	1800	ug/Kg	100				70 (71)	130 (108)	
Fluorene	1800	0	1800	ug/Kg	100				70 (68)	130 (116)	
4-Nitroaniline	1800	0	1800	ug/Kg	100				70 (55)	130 (120)	
4,6-Dinitro-2-methylphenol	1800	0	2000	ug/Kg	111				70 (10)	130 (160)	
N-Nitrosodiphenylamine	1800	0	2000	ug/Kg	111				70 (73)	130 (118)	
4-Bromophenyl-phenylether	1800	0	1800	ug/Kg	100				70 (65)	130 (121)	
Hexachlorobenzene	1800	0	1800	ug/Kg	100				70 (67)	130 (118)	
Atrazine	1800	0	2200	ug/Kg	122				70 (79)	130 (127)	

() = LABORATORY INHOUSE LIMIT

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P5299

Client: Portal Partners Tri-Venture

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Pentachlorophenol	3500	0	2800	ug/Kg	80				20 (47)	160 (128)	
Phenanthrene	1800	0	2000	ug/Kg	111				70 (52)	130 (128)	
Anthracene	1800	0	1900	ug/Kg	106				70 (62)	130 (124)	
Carbazole	1800	0	1900	ug/Kg	106				70 (59)	130 (119)	
Di-n-butylphthalate	1800	0	1800	ug/Kg	100				70 (69)	130 (118)	
Fluoranthene	1800	0	1700	ug/Kg	94				70 (44)	130 (125)	
Pyrene	1800	0	2000	ug/Kg	111				70 (26)	130 (142)	
Butylbenzylphthalate	1800	0	1900	ug/Kg	106				70 (64)	130 (126)	
3,3-Dichlorobenzidine	1800	0	1000	ug/Kg	56	*			70 (33)	130 (116)	
Benzo(a)anthracene	1800	0	1900	ug/Kg	106				70 (71)	130 (114)	
Chrysene	1800	0	1800	ug/Kg	100				70 (57)	130 (121)	
bis(2-Ethylhexyl)phthalate	1800	0	1700	ug/Kg	94				70 (42)	130 (169)	
Di-n-octyl phthalate	1800	0	1500	ug/Kg	83				70 (23)	130 (175)	
Benzo(b)fluoranthene	1800	0	1700	ug/Kg	94				70 (67)	130 (121)	
Benzo(k)fluoranthene	1800	0	2000	ug/Kg	111				70 (57)	130 (134)	
Benzo(a)pyrene	1800	0	2000	ug/Kg	111				70 (70)	130 (142)	
Indeno(1,2,3-cd)pyrene	1800	0	2400	ug/Kg	133	*			70 (40)	130 (129)	
Dibenz(a,h)anthracene	1800	0	2300	ug/Kg	128				70 (43)	130 (123)	
Benzo(g,h,i)perylene	1800	0	2200	ug/Kg	122				70 (24)	130 (125)	
1,2,4,5-Tetrachlorobenzene	1800	0	1800	ug/Kg	100				70 (69)	130 (124)	
1,4-Dioxane	1800	0	1400	ug/Kg	78				20 (46)	160 (112)	
2,3,4,6-Tetrachlorophenol	1800	0	1900	ug/Kg	106				70 (69)	130 (112)	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P5299

Client: Portal Partners Tri-Venture

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P5306-09MSD		Client Sample ID: OU4-VSL-11-121224MSD		DataFile: BF140949.D							
Benzaldehyde	1800	0	590	ug/Kg	33		6		20 (10)	160 (86)	30 (20)
Phenol	1800	0	2100	ug/Kg	117		5		20 (67)	160 (126)	30 (20)
bis(2-Chloroethyl)ether	1800	0	1900	ug/Kg	106		0		70 (54)	130 (125)	30 (20)
2-Chlorophenol	1800	0	2000	ug/Kg	111		0		70 (79)	130 (107)	30 (20)
2-Methylphenol	1800	0	2000	ug/Kg	111		5		70 (66)	130 (122)	30 (20)
2,2-oxybis(1-Chloropropane)	1800	0	1900	ug/Kg	106		6		70 (65)	130 (110)	30 (20)
Acetophenone	1800	0	2000	ug/Kg	111		5		70 (75)	130 (111)	30 (20)
3+4-Methylphenols	1800	0	2000	ug/Kg	111		0		20 (66)	160 (104)	30 (20)
N-Nitroso-di-n-propylamine	1800	0	1900	ug/Kg	106		0		70 (59)	130 (119)	30 (20)
Hexachloroethane	1800	0	1800	ug/Kg	100		6		20 (65)	160 (117)	30 (20)
Nitrobenzene	1800	0	1800	ug/Kg	100		0		70 (70)	130 (119)	30 (20)
Isophorone	1800	0	1900	ug/Kg	106		6		70 (76)	130 (122)	30 (20)
2-Nitrophenol	1800	0	2000	ug/Kg	111		0		70 (54)	130 (145)	30 (20)
2,4-Dimethylphenol	1800	0	2300	ug/Kg	128		0		70 (44)	130 (135)	30 (20)
bis(2-Chloroethoxy)methane	1800	0	1800	ug/Kg	100		0		70 (68)	130 (112)	30 (20)
2,4-Dichlorophenol	1800	0	2000	ug/Kg	111		5		70 (72)	130 (118)	30 (20)
Naphthalene	1800	0	1900	ug/Kg	106		6		70 (72)	130 (110)	30 (20)
4-Chloroaniline	1800	0	780	ug/Kg	43	*	5		70 (10)	130 (91)	30 (20)
Hexachlorobutadiene	1800	0	1700	ug/Kg	94		5		70 (66)	130 (114)	30 (20)
Caprolactam	1800	0	2100	ug/Kg	117		5		20 (51)	160 (134)	30 (20)
4-Chloro-3-methylphenol	1800	0	1900	ug/Kg	106		12		70 (57)	130 (132)	30 (20)
2-Methylnaphthalene	1800	0	1900	ug/Kg	106		12		70 (59)	130 (123)	30 (20)
Hexachlorocyclopentadiene	3600	0	1500	ug/Kg	42		2		20 (10)	160 (175)	30 (20)
2,4,6-Trichlorophenol	1800	0	1900	ug/Kg	106		6		70 (72)	130 (117)	30 (20)
2,4,5-Trichlorophenol	1800	0	1800	ug/Kg	100		0		70 (72)	130 (117)	30 (20)
1,1-Biphenyl	1800	0	1900	ug/Kg	106		6		70 (75)	130 (113)	30 (20)
2-Chloronaphthalene	1800	0	1800	ug/Kg	100		0		70 (67)	130 (118)	30 (20)
2-Nitroaniline	1800	0	1900	ug/Kg	106		6		70 (69)	130 (127)	30 (20)
Dimethylphthalate	1800	0	1900	ug/Kg	106		6		70 (70)	130 (113)	30 (20)
Acenaphthylene	1800	0	2100	ug/Kg	117		5		70 (79)	130 (118)	30 (20)
2,6-Dinitrotoluene	1800	0	1800	ug/Kg	100		0		70 (70)	130 (125)	30 (20)
3-Nitroaniline	1800	0	1100	ug/Kg	61	*	0		70 (30)	130 (99)	30 (20)
Acenaphthene	1800	0	2000	ug/Kg	111		5		70 (70)	130 (121)	30 (20)
2,4-Dinitrophenol	3600	0	3500	ug/Kg	97		0		20 (10)	160 (155)	30 (20)
4-Nitrophenol	3600	0	2900	ug/Kg	81		6		20 (45)	160 (133)	30 (20)
Dibenzofuran	1800	0	1900	ug/Kg	106		0		70 (72)	130 (110)	30 (20)
2,4-Dinitrotoluene	1800	0	1900	ug/Kg	106		0		70 (55)	130 (128)	30 (20)
Diethylphthalate	1800	0	1800	ug/Kg	100		6		70 (70)	130 (112)	30 (20)
4-Chlorophenyl-phenylether	1800	0	1800	ug/Kg	100		0		70 (71)	130 (108)	30 (20)
Fluorene	1800	0	1900	ug/Kg	106		6		70 (68)	130 (116)	30 (20)
4-Nitroaniline	1800	0	1800	ug/Kg	100		0		70 (55)	130 (120)	30 (20)
4,6-Dinitro-2-methylphenol	1800	0	2200	ug/Kg	122		9		70 (10)	130 (160)	30 (20)
N-Nitrosodiphenylamine	1800	0	2100	ug/Kg	117		5		70 (73)	130 (118)	30 (20)
4-Bromophenyl-phenylether	1800	0	2000	ug/Kg	111		10		70 (65)	130 (121)	30 (20)
Hexachlorobenzene	1800	0	2000	ug/Kg	111		10		70 (67)	130 (118)	30 (20)
Atrazine	1800	0	2500	ug/Kg	139	*	13		70 (79)	130 (127)	30 (20)

() = LABORATORY INHOUSE LIMIT

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P5299

Client: Portal Partners Tri-Venture

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Pentachlorophenol	3600	0	3000	ug/Kg	83		4		20 (47)	160 (128)	30 (20)
Phenanthrene	1800	0	2100	ug/Kg	117		5		70 (52)	130 (128)	30 (20)
Anthracene	1800	0	2200	ug/Kg	122		14		70 (62)	130 (124)	30 (20)
Carbazole	1800	0	2100	ug/Kg	117		10		70 (59)	130 (119)	30 (20)
Di-n-butylphthalate	1800	0	1900	ug/Kg	106		6		70 (69)	130 (118)	30 (20)
Fluoranthene	1800	0	2000	ug/Kg	111		17		70 (44)	130 (125)	30 (20)
Pyrene	1800	0	2000	ug/Kg	111		0		70 (26)	130 (142)	30 (20)
Butylbenzylphthalate	1800	0	1900	ug/Kg	106		0		70 (64)	130 (126)	30 (20)
3,3-Dichlorobenzidine	1800	0	1100	ug/Kg	61	*	9		70 (33)	130 (116)	30 (20)
Benzo(a)anthracene	1800	0	1900	ug/Kg	106		0		70 (71)	130 (114)	30 (20)
Chrysene	1800	0	1900	ug/Kg	106		6		70 (57)	130 (121)	30 (20)
bis(2-Ethylhexyl)phthalate	1800	0	1800	ug/Kg	100		6		70 (42)	130 (169)	30 (20)
Di-n-octyl phthalate	1800	0	1600	ug/Kg	89		7		70 (23)	130 (175)	30 (20)
Benzo(b)fluoranthene	1800	0	1900	ug/Kg	106		12		70 (67)	130 (121)	30 (20)
Benzo(k)fluoranthene	1800	0	2000	ug/Kg	111		0		70 (57)	130 (134)	30 (20)
Benzo(a)pyrene	1800	0	2100	ug/Kg	117		5		70 (70)	130 (142)	30 (20)
Indeno(1,2,3-cd)pyrene	1800	0	2400	ug/Kg	133	*	0		70 (40)	130 (129)	30 (20)
Dibenz(a,h)anthracene	1800	0	2400	ug/Kg	133	*	4		70 (43)	130 (123)	30 (20)
Benzo(g,h,i)perylene	1800	0	2200	ug/Kg	122		0		70 (24)	130 (125)	30 (20)
1,2,4,5-Tetrachlorobenzene	1800	0	1900	ug/Kg	106		6		70 (69)	130 (124)	30 (20)
1,4-Dioxane	1800	0	1700	ug/Kg	94		19		20 (46)	160 (112)	30 (20)
2,3,4,6-Tetrachlorophenol	1800	0	2000	ug/Kg	111		5		70 (69)	130 (112)	30 (20)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5299

Client: Portal Partners Tri-Venture

Analytical Method: 8270E

DataFile: BF140944.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB165705BS	Benzaldehyde	1700	540	ug/Kg	32				20 (10)	160 (133)	
	Phenol	1700	1600	ug/Kg	94				20 (62)	160 (112)	
	bis(2-Chloroethyl)ether	1700	1700	ug/Kg	100				70 (60)	130 (101)	
	2-Chlorophenol	1700	1800	ug/Kg	106				70 (65)	130 (112)	
	2-Methylphenol	1700	1600	ug/Kg	94				70 (61)	130 (108)	
	2,2-oxybis(1-Chloropropane)	1700	1600	ug/Kg	94				70 (51)	130 (100)	
	Acetophenone	1700	1800	ug/Kg	106				70 (66)	130 (98)	
	3+4-Methylphenols	1700	1700	ug/Kg	100				20 (58)	160 (111)	
	N-Nitroso-di-n-propylamine	1700	1700	ug/Kg	100				70 (63)	130 (95)	
	Hexachloroethane	1700	1400	ug/Kg	82				20 (72)	160 (108)	
	Nitrobenzene	1700	1500	ug/Kg	88				70 (57)	130 (101)	
	Isophorone	1700	1700	ug/Kg	100				70 (59)	130 (99)	
	2-Nitrophenol	1700	1800	ug/Kg	106				70 (61)	130 (111)	
	2,4-Dimethylphenol	1700	2100	ug/Kg	124				70 (46)	130 (141)	
	bis(2-Chloroethoxy)methane	1700	1700	ug/Kg	100				70 (66)	130 (97)	
	2,4-Dichlorophenol	1700	1800	ug/Kg	106				70 (62)	130 (107)	
	Naphthalene	1700	1600	ug/Kg	94				70 (62)	130 (100)	
	4-Chloroaniline	1700	1200	ug/Kg	71				70 (16)	130 (100)	
	Hexachlorobutadiene	1700	1600	ug/Kg	94				70 (53)	130 (98)	
	Caprolactam	1700	1700	ug/Kg	100				20 (67)	160 (110)	
	4-Chloro-3-methylphenol	1700	1500	ug/Kg	88				70 (58)	130 (112)	
	2-Methylnaphthalene	1700	1700	ug/Kg	100				70 (60)	130 (104)	
	Hexachlorocyclopentadiene	3300	2300	ug/Kg	70				20 (45)	160 (165)	
	2,4,6-Trichlorophenol	1700	1700	ug/Kg	100				70 (59)	130 (102)	
	2,4,5-Trichlorophenol	1700	1600	ug/Kg	94				70 (61)	130 (98)	
	1,1-Biphenyl	1700	1600	ug/Kg	94				70 (57)	130 (103)	
	2-Chloronaphthalene	1700	1600	ug/Kg	94				70 (58)	130 (99)	
	2-Nitroaniline	1700	1600	ug/Kg	94				70 (66)	130 (101)	
	Dimethylphthalate	1700	1700	ug/Kg	100				70 (61)	130 (99)	
	Acenaphthylene	1700	1800	ug/Kg	106				70 (63)	130 (101)	
	2,6-Dinitrotoluene	1700	1600	ug/Kg	94				70 (61)	130 (104)	
	3-Nitroaniline	1700	1100	ug/Kg	65		*		70 (28)	130 (100)	
	Acenaphthene	1700	1800	ug/Kg	106				70 (57)	130 (104)	
	2,4-Dinitrophenol	3300	2500	ug/Kg	76				20 (37)	160 (128)	
	4-Nitrophenol	3300	2400	ug/Kg	73				20 (48)	160 (119)	
	Dibenzofuran	1700	1700	ug/Kg	100				70 (63)	130 (99)	
	2,4-Dinitrotoluene	1700	1600	ug/Kg	94				70 (60)	130 (106)	
	Diethylphthalate	1700	1700	ug/Kg	100				70 (60)	130 (101)	
	4-Chlorophenyl-phenylether	1700	1600	ug/Kg	94				70 (58)	130 (98)	
	Fluorene	1700	1500	ug/Kg	88				70 (61)	130 (101)	
	4-Nitroaniline	1700	1400	ug/Kg	82				70 (64)	130 (103)	
	4,6-Dinitro-2-methylphenol	1700	1600	ug/Kg	94				70 (76)	130 (113)	
	N-Nitrosodiphenylamine	1700	1900	ug/Kg	112				70 (71)	130 (99)	
	4-Bromophenyl-phenylether	1700	1800	ug/Kg	106				70 (66)	130 (102)	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5299

Client: Portal Partners Tri-Venture

Analytical Method: 8270E

DataFile: BF140944.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB165705BS	Hexachlorobenzene	1700	1800	ug/Kg	106				70 (64)	130 (98)	
	Atrazine	1700	2200	ug/Kg	129				70 (47)	130 (152)	
	Pentachlorophenol	3300	2900	ug/Kg	88				20 (67)	160 (105)	
	Phenanthrene	1700	1900	ug/Kg	112				70 (59)	130 (103)	
	Anthracene	1700	2000	ug/Kg	118				70 (61)	130 (105)	
	Carbazole	1700	1900	ug/Kg	112				70 (61)	130 (99)	
	Di-n-butylphthalate	1700	1800	ug/Kg	106				70 (58)	130 (104)	
	Fluoranthene	1700	1900	ug/Kg	112				70 (57)	130 (107)	
	Pyrene	1700	1900	ug/Kg	112				70 (59)	130 (103)	
	Butylbenzylphthalate	1700	2000	ug/Kg	118				70 (55)	130 (103)	
	3,3-Dichlorobenzidine	1700	1100	ug/Kg	65		*		70 (42)	130 (91)	
	Benzo(a)anthracene	1700	1800	ug/Kg	106				70 (60)	130 (102)	
	Chrysene	1700	1800	ug/Kg	106				70 (59)	130 (101)	
	bis(2-Ethylhexyl)phthalate	1700	1800	ug/Kg	106				70 (54)	130 (135)	
	Di-n-octyl phthalate	1700	1600	ug/Kg	94				70 (52)	130 (137)	
	Benzo(b)fluoranthene	1700	1800	ug/Kg	106				70 (62)	130 (109)	
	Benzo(k)fluoranthene	1700	1800	ug/Kg	106				70 (62)	130 (109)	
	Benzo(a)pyrene	1700	1900	ug/Kg	112				70 (63)	130 (103)	
	Indeno(1,2,3-cd)pyrene	1700	2200	ug/Kg	129				70 (63)	130 (101)	
	Dibenz(a,h)anthracene	1700	2100	ug/Kg	124				70 (61)	130 (112)	
	Benzo(g,h,i)perylene	1700	2100	ug/Kg	124				70 (70)	130 (108)	
	1,2,4,5-Tetrachlorobenzene	1700	1800	ug/Kg	106				70 (53)	130 (101)	
	1,4-Dioxane	1700	1100	ug/Kg	65				20 (50)	160 (96)	
	2,3,4,6-Tetrachlorophenol	1700	1800	ug/Kg	106				70 (59)	130 (108)	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB165705BL

Lab Name: CHEMTECH

Contract: PORT06

Lab Code: CHEM Case No.: P5299

SAS No.: P5299 SDG NO.: P5299

Lab File ID: BF140943.D

Lab Sample ID: PB165705BL

Instrument ID: BNA_F

Date Extracted: 12/18/2024

Matrix: (soil/water) SOIL

Date Analyzed: 12/20/2024

Level: (low/med) LOW

Time Analyzed: 11:41

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB165705BS	PB165705BS	BF140944.D	12/20/2024
SB-02	P5299-02	BF140998.D	12/27/2024
SB-01	P5299-01	BF140999.D	12/27/2024
SB-02	P5299-04	BF140996.D	12/27/2024
SB-01	P5299-03	BF140997.D	12/27/2024
OU4-VSL-11-121224MS	P5306-09MS	BF140948.D	12/20/2024
OU4-VSL-11-121224MSD	P5306-09MSD	BF140949.D	12/20/2024

COMMENTS: _____



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: PORT06Lab Code: CHEMSAS No.: P5299 SDG NO.: P5299Lab File ID: BF140854.DDFTPP Injection Date: 12/16/2024Instrument ID: BNA_FDFTPP Injection Time: 11:21

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	35.6
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	36
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	48.5
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	28.9
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	13.6
442	Greater than 50% of mass 198	86.8
443	15.0 - 24.0% of mass 442	16.9 (19.4) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF140855.D	12/16/2024	12:13
SSTDICC005	SSTDICC005	BF140856.D	12/16/2024	12:39
SSTDICC010	SSTDICC010	BF140857.D	12/16/2024	13:05
SSTDICC020	SSTDICC020	BF140858.D	12/16/2024	14:00
SSTDICCC040	SSTDICCC040	BF140859.D	12/16/2024	14:26
SSTDICC050	SSTDICC050	BF140860.D	12/16/2024	15:23
SSTDICC060	SSTDICC060	BF140861.D	12/16/2024	15:49
SSTDICC080	SSTDICC080	BF140862.D	12/16/2024	16:15



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: PORT06Lab Code: CHEMSAS No.: P5299 SDG NO.: P5299Lab File ID: BF140941.DDFTPP Injection Date: 12/20/2024Instrument ID: BNA_FDFTPP Injection Time: 09:47

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	27.8
68	Less than 2.0% of mass 69	0.6 (1.9) 1
69	Mass 69 relative abundance	30.2
70	Less than 2.0% of mass 69	0.0 (0.0) 1
127	10.0 - 80.0% of mass 198	42.1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.2
275	10.0 - 60.0% of mass 198	28.9
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	15.2
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.7 (18.7) 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	BF140942.D	12/20/2024	11:15
PB165705BL	PB165705BL	BF140943.D	12/20/2024	11:41
PB165705BS	PB165705BS	BF140944.D	12/20/2024	12:07
OU4-VSL-11-121224MS	P5306-09MS	BF140948.D	12/20/2024	14:10
OU4-VSL-11-121224MSD	P5306-09MSD	BF140949.D	12/20/2024	14:36



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: PORT06Lab Code: CHEMSAS No.: P5299 SDG NO.: P5299Lab File ID: BF140969.DDFTPP Injection Date: 12/26/2024Instrument ID: BNA_FDFTPP Injection Time: 15:57

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	38.4
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	35.5
70	Less than 2.0% of mass 69	0.2 (0.4) 1
127	10.0 - 80.0% of mass 198	47.8
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	27.2
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	14.3
442	Greater than 50% of mass 198	90.5
443	15.0 - 24.0% of mass 442	17.8 (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
SSTDICC2.5	SSTDICC2.5	BF140970.D	12/26/2024	16:23
SSTDICC005	SSTDICC005	BF140971.D	12/26/2024	16:49
SSTDICC010	SSTDICC010	BF140972.D	12/26/2024	17:15
SSTDICC020	SSTDICC020	BF140973.D	12/26/2024	17:41
SSTDICCC040	SSTDICCC040	BF140974.D	12/26/2024	18:06
SSTDICC050	SSTDICC050	BF140975.D	12/26/2024	18:33
SSTDICC060	SSTDICC060	BF140976.D	12/26/2024	18:59
SSTDICC080	SSTDICC080	BF140977.D	12/26/2024	19:25



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: PORT06Lab Code: CHEMSAS No.: P5299 SDG NO.: P5299Lab File ID: BF140993.DDFTPP Injection Date: 12/27/2024Instrument ID: BNA_FDFTPP Injection Time: 13:33

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	39.9
68	Less than 2.0% of mass 69	0.7 (1.8) 1
69	Mass 69 relative abundance	37.1
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	49
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	27.3
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	13.2
442	Greater than 50% of mass 198	84.7
443	15.0 - 24.0% of mass 442	16.2 (19.1) 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	BF140994.D	12/27/2024	13:59
SB-02	P5299-04	BF140996.D	12/27/2024	15:00
SB-01	P5299-03	BF140997.D	12/27/2024	15:26
SB-02	P5299-02	BF140998.D	12/27/2024	16:03
SB-01	P5299-01	BF140999.D	12/27/2024	16:29

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P5299 SAS No.: P5299 SDG NO.: P5299

EPA Sample No.: SSTDCCC040 Date Analyzed: 12/20/2024

Lab File ID: BF140942.D Time Analyzed: 11:15

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	74814	6.851	271589	8.13	162319	9.89
UPPER LIMIT	149628	7.351	543178	8.634	324638	10.386
LOWER LIMIT	37407	6.351	135795	7.634	81159.5	9.386
EPA SAMPLE NO.						
01 OU4-VSL-11-121224MS	55385	6.85	209218	8.13	115521	9.89
02 OU4-VSL-11-121224MSD	45949	6.85	175670	8.13	102157	9.89
03 PB165705BL	64872	6.85	228592	8.13	136709	9.89
04 PB165705BS	71247	6.85	255665	8.13	141292	9.89

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.: P5299 SAS No.: P5299 SDG NO.: P5299

EPA Sample No.: SSTDCCC040 Date Analyzed: 12/20/2024

Lab File ID: BF140942.D Time Analyzed: 11:15

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	282660	11.38	164316	14.033	129329	15.533
UPPER LIMIT	565320	11.88	328632	14.533	258658	16.033
LOWER LIMIT	141330	10.88	82158	13.533	64664.5	15.033
EPA SAMPLE NO.						
01 OU4-VSL-11-121224MS	219277	11.38	133308	14.03	114231	15.52
02 OU4-VSL-11-121224MSD	188148	11.38	131096	14.05	113765	15.56
03 PB165705BL	270487	11.38	174504	14.03	118300	15.52
04 PB165705BS	237962	11.38	149220	14.03	113763	15.52

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P5299 SAS No.: P5299 SDG NO.: P5299

EPA Sample No.: SSTDCCC040 Date Analyzed: 12/27/2024

Lab File ID: BF140994.D Time Analyzed: 13:59

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	288140	6.828	1113820	8.11	585823	9.86
UPPER LIMIT	576280	7.328	2227640	8.61	1171650	10.363
LOWER LIMIT	144070	6.328	556910	7.61	292912	9.363
EPA SAMPLE NO.						
01 SB-01	254834	6.82	1020670	8.10	546385	9.86
02 SB-02	248948	6.82	990169	8.10	532678	9.86
03 SB-01	238907	6.83	955704	8.10	516337	9.86
04 SB-02	239225	6.82	933657	8.10	501639	9.86

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.: P5299 SAS No.: P5299 SDG NO.: P5299

EPA Sample No.: SSTDCCC040 Date Analyzed: 12/27/2024

Lab File ID: BF140994.D Time Analyzed: 13:59

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1000380	11.345	654182	13.986	576625	15.433
	UPPER LIMIT	2000760	11.845	1308360	14.486	1153250	15.933
	LOWER LIMIT	500190	10.845	327091	13.486	288313	14.933
	EPA SAMPLE NO.						
01	SB-01	930453	11.34	608004	13.98	540868	15.45
02	SB-02	920169	11.34	611482	13.98	533372	15.45
03	SB-01	913709	11.34	692228	13.97	585265	15.43
04	SB-02	863212	11.34	557903	13.97	525276	15.43

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.



SAMPLE DATA

Report of Analysis

Client:	Portal Partners Tri-Venture			Date Collected:	12/14/24	
Project:	Amtrak Sawtooth Bridges 2024			Date Received:	12/16/24	
Client Sample ID:	SB-01			SDG No.:	P5299	
Lab Sample ID:	P5299-01			Matrix:	SOIL	
Analytical Method:	SW8270			% Solid:	78.5	
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
BF140999.D	1	12/18/24 08:56	12/27/24 16:29	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	230	U	230	420	ug/Kg
108-95-2	Phenol	110	U	110	220	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	220	ug/Kg
95-57-8	2-Chlorophenol	110	U	110	220	ug/Kg
95-48-7	2-Methylphenol	100	U	100	220	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	220	ug/Kg
98-86-2	Acetophenone	110	U	110	220	ug/Kg
65794-96-9	3+4-Methylphenols	100	U	100	420	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	51.3	U	51.3	100	ug/Kg
67-72-1	Hexachloroethane	110	U	110	220	ug/Kg
98-95-3	Nitrobenzene	120	U	120	220	ug/Kg
78-59-1	Isophorone	110	U	110	220	ug/Kg
88-75-5	2-Nitrophenol	120	U	120	220	ug/Kg
105-67-9	2,4-Dimethylphenol	120	U	120	220	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	110	U	110	220	ug/Kg
120-83-2	2,4-Dichlorophenol	96.1	U	96.1	220	ug/Kg
91-20-3	Naphthalene	110	U	110	220	ug/Kg
106-47-8	4-Chloroaniline	110	U	110	220	ug/Kg
87-68-3	Hexachlorobutadiene	110	U	110	220	ug/Kg
105-60-2	Caprolactam	110	U	110	420	ug/Kg
59-50-7	4-Chloro-3-methylphenol	98.6	U	98.6	220	ug/Kg
91-57-6	2-Methylnaphthalene	100	U	100	220	ug/Kg
77-47-4	Hexachlorocyclopentadiene	200	U	200	420	ug/Kg
88-06-2	2,4,6-Trichlorophenol	90.8	U	90.8	220	ug/Kg
95-95-4	2,4,5-Trichlorophenol	94.1	U	94.1	220	ug/Kg
92-52-4	1,1-Biphenyl	110	U	110	220	ug/Kg
91-58-7	2-Chloronaphthalene	110	U	110	220	ug/Kg
88-74-4	2-Nitroaniline	120	U	120	220	ug/Kg
131-11-3	Dimethylphthalate	100	U	100	220	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/14/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-01	SDG No.:	P5299
Lab Sample ID:	P5299-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	78.5
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
BF140999.D	1	12/18/24 08:56	12/27/24 16:29	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	110	U	110	220	ug/Kg
606-20-2	2,6-Dinitrotoluene	110	U	110	220	ug/Kg
99-09-2	3-Nitroaniline	110	UQ	110	220	ug/Kg
83-32-9	Acenaphthene	100	U	100	220	ug/Kg
51-28-5	2,4-Dinitrophenol	310	U	310	420	ug/Kg
100-02-7	4-Nitrophenol	150	U	150	420	ug/Kg
132-64-9	Dibenzofuran	110	U	110	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	220	ug/Kg
84-66-2	Diethylphthalate	100	U	100	220	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	220	ug/Kg
86-73-7	Fluorene	110	U	110	220	ug/Kg
100-01-6	4-Nitroaniline	140	U	140	220	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	150	U	150	420	ug/Kg
86-30-6	n-Nitrosodiphenylamine	100	U	100	220	ug/Kg
101-55-3	4-Bromophenyl-phenylether	100	U	100	220	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	220	ug/Kg
1912-24-9	Atrazine	120	U	120	220	ug/Kg
87-86-5	Pentachlorophenol	98.3	U	98.3	420	ug/Kg
85-01-8	Phenanthrene	110	U	110	220	ug/Kg
120-12-7	Anthracene	110	U	110	220	ug/Kg
86-74-8	Carbazole	100	U	100	220	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	220	ug/Kg
206-44-0	Fluoranthene	100	U	100	220	ug/Kg
129-00-0	Pyrene	110	U	110	220	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	120	220	ug/Kg
91-94-1	3,3-Dichlorobenzidine	130	UQ	130	420	ug/Kg
56-55-3	Benzo(a)anthracene	100	U	100	220	ug/Kg
218-01-9	Chrysene	100	U	100	220	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	120	U	120	220	ug/Kg
117-84-0	Di-n-octyl phthalate	140	U	140	420	ug/Kg
205-99-2	Benzo(b)fluoranthene	100	U	100	220	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/14/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-01	SDG No.:	P5299
Lab Sample ID:	P5299-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	78.5
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
BF140999.D	1	12/18/24 08:56	12/27/24 16:29	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	110	U	110	220	ug/Kg
50-32-8	Benzo(a)pyrene	120	U	120	220	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	99.4	U	99.4	220	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	100	U	100	220	ug/Kg
191-24-2	Benzo(g,h,i)perylene	100	U	100	220	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	110	U	110	220	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	220	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	95.0	U	95.0	220	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	78.5		30 (18) - 130 (112)	52%	SPK: 150
13127-88-3	Phenol-d6	79.6		30 (15) - 130 (107)	53%	SPK: 150
4165-60-0	Nitrobenzene-d5	64.6		30 (18) - 130 (107)	65%	SPK: 100
321-60-8	2-Fluorobiphenyl	53.1		30 (20) - 130 (109)	53%	SPK: 100
118-79-6	2,4,6-Tribromophenol	86.6		30 (10) - 130 (116)	58%	SPK: 150
1718-51-0	Terphenyl-d14	53.0		30 (10) - 130 (105)	53%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	255000	6.822
1146-65-2	Naphthalene-d8	1020000	8.104
15067-26-2	Acenaphthene-d10	546000	9.857
1517-22-2	Phenanthrene-d10	930000	11.339
1719-03-5	Chrysene-d12	608000	13.98
1520-96-3	Perylene-d12	541000	15.451

TENTATIVE IDENTIFIED COMPOUNDS

000119-61-9	Benzophenone	320	J	10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	230	J	11.9	ug/Kg
074685-30-6	5-Eicosene, (E)-	250	J	13.8	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/14/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-01	SDG No.:	P5299
Lab Sample ID:	P5299-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	78.5
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
BF140999.D	1	12/18/24 08:56	12/27/24 16:29	PB165705

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_F\Data\BF122724\
Data File : BF140999.D
Acq On : 27 Dec 2024 16:29
Operator : RC/JU
Sample : P5299-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-01

Quant Time: Dec 27 17:25:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	254834	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	1020665	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	546385	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	930453	20.000	ng	0.00
76) Chrysene-d12	13.980	240	608004	20.000	ng	0.00
86) Perylene-d12	15.451	264	540868	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1327317	78.513	ng	0.00
7) Phenol-d6	6.439	99	1733092	79.579	ng	-0.01
23) Nitrobenzene-d5	7.381	82	1029902	64.557	ng	-0.01
42) 2,4,6-Tribromophenol	10.639	330	460002	86.642	ng	-0.01
45) 2-Fluorobiphenyl	9.175	172	1822631	53.147	ng	-0.01
79) Terphenyl-d14	12.927	244	1940618	53.015	ng	0.00

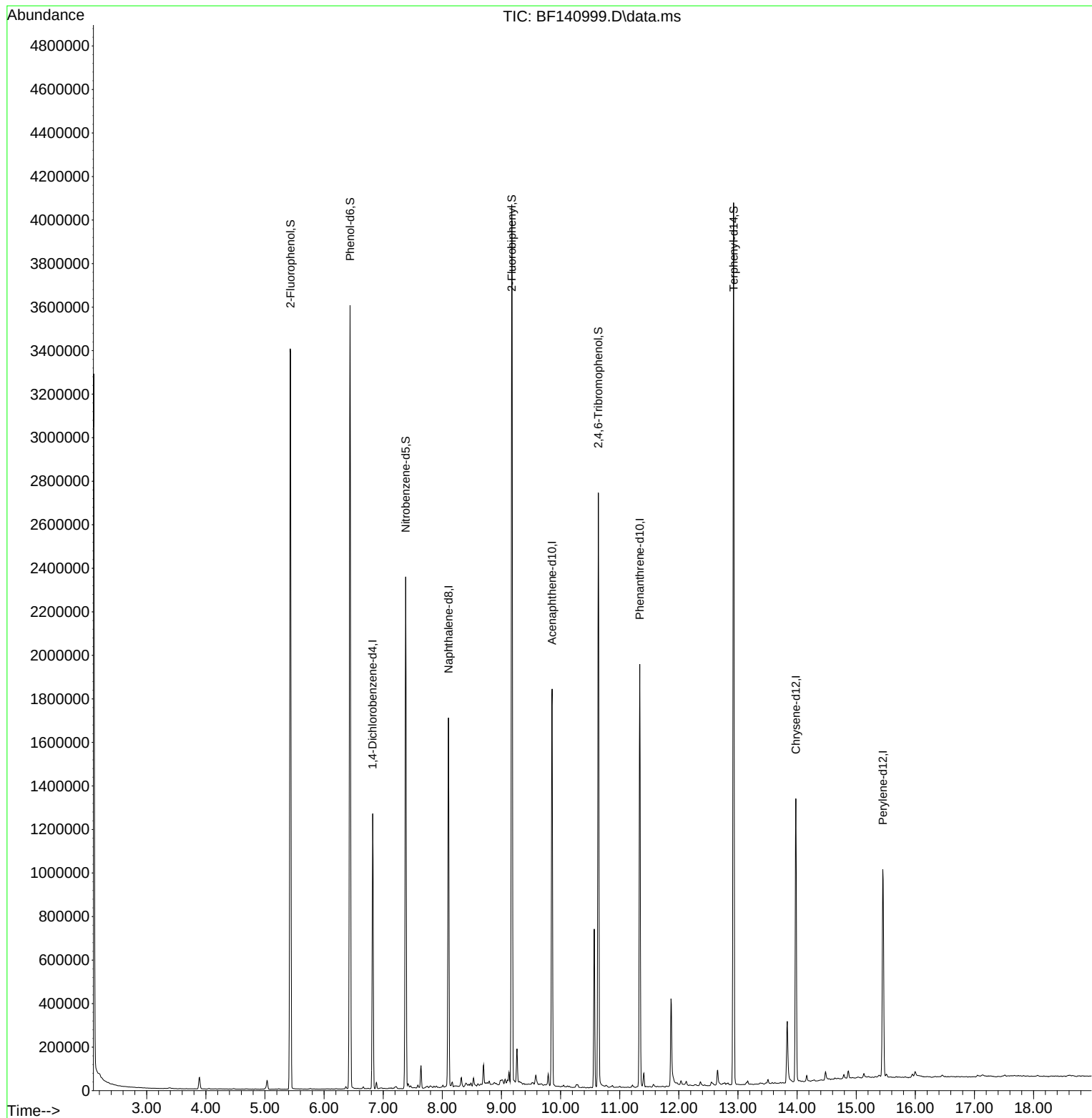
Target Compounds	Qvalue

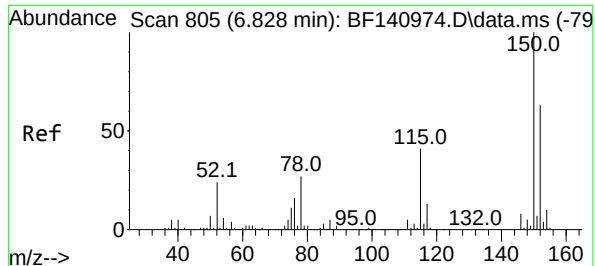
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140999.D
Acq On : 27 Dec 2024 16:29
Operator : RC/JU
Sample : P5299-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-01

Quant Time: Dec 27 17:25:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

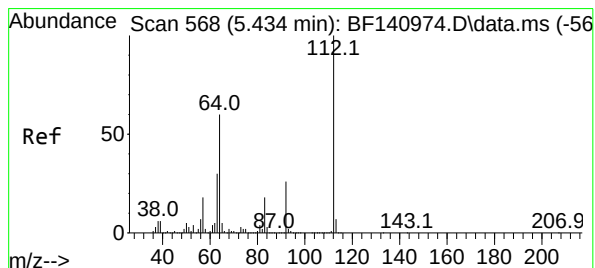
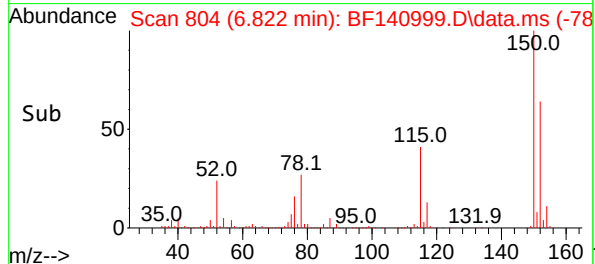
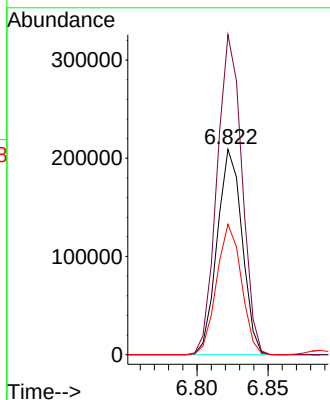
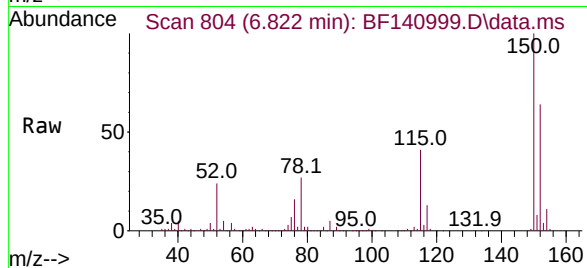




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF140999.D
Acq: 27 Dec 2024 16:29

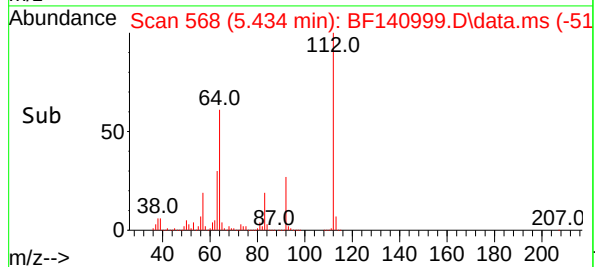
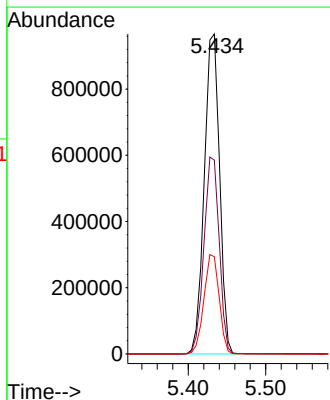
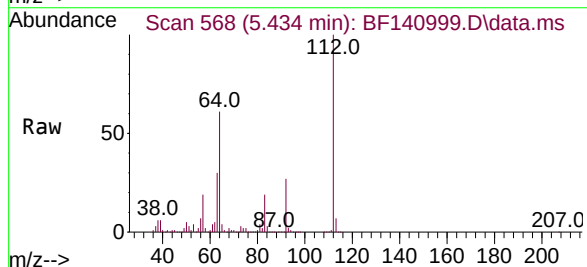
Instrument :
BNA_F
ClientSampleId :
SB-01

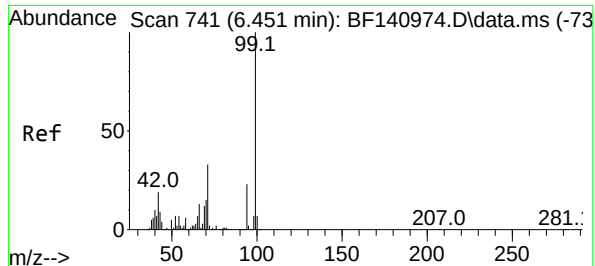
Tgt Ion:152 Resp: 254834
Ion Ratio Lower Upper
152 100
150 155.8 127.0 190.6
115 63.5 51.7 77.5



#5
2-Fluorophenol
Concen: 78.513 ng
RT: 5.434 min Scan# 568
Delta R.T. -0.000 min
Lab File: BF140999.D
Acq: 27 Dec 2024 16:29

Tgt Ion:112 Resp: 1327317
Ion Ratio Lower Upper
112 100
64 60.5 47.7 71.5
63 30.4 24.2 36.2





#7

Phenol-d6

Concen: 79.579 ng

RT: 6.439 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF140999.D

Acq: 27 Dec 2024 16:29

Instrument :

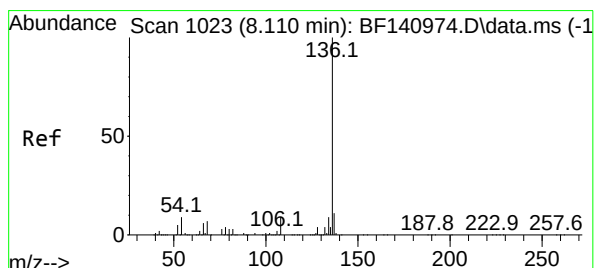
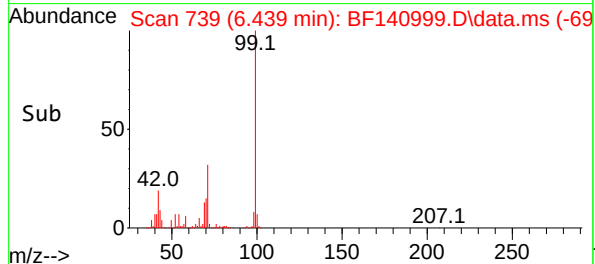
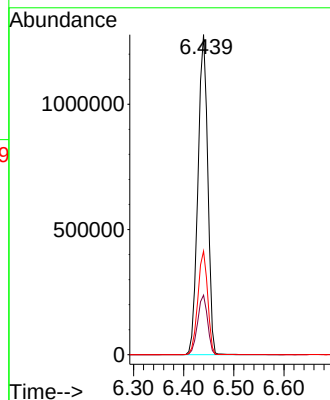
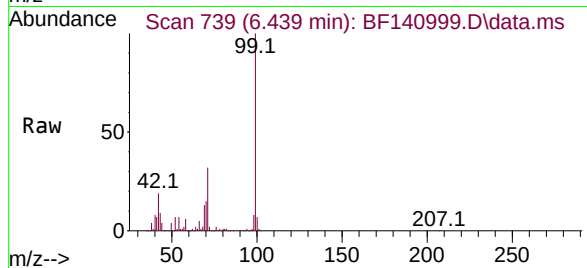
BNA_F

ClientSampleId :

SB-01

Tgt Ion: 99 Resp: 1733092

Ion	Ratio	Lower	Upper
99	100		
42	18.6	15.0	22.4
71	32.3	26.2	39.2



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.104 min Scan# 1022

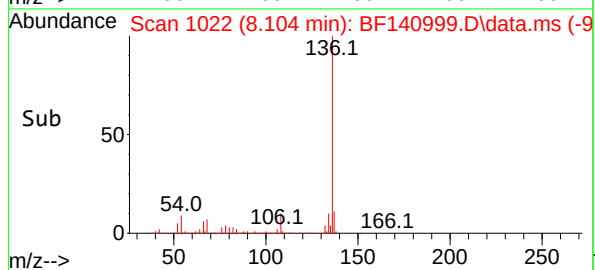
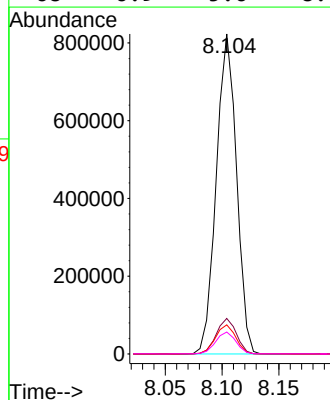
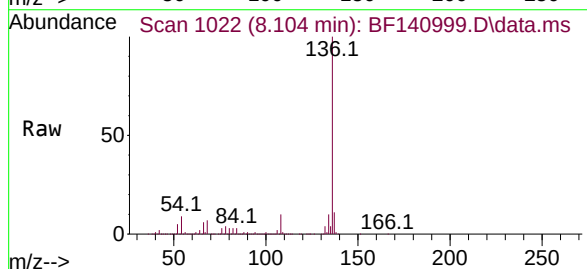
Delta R.T. -0.006 min

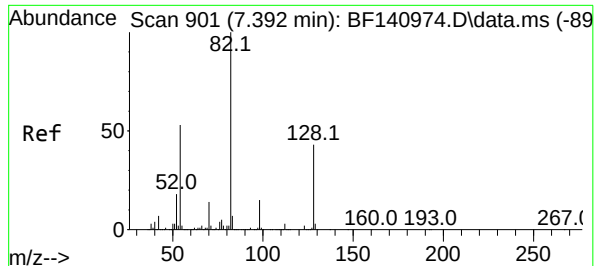
Lab File: BF140999.D

Acq: 27 Dec 2024 16:29

Tgt Ion: 136 Resp: 1020665

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	9.1	7.6	11.4
68	6.9	5.6	8.4





#23

Nitrobenzene-d5

Concen: 64.557 ng

RT: 7.381 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF140999.D

Acq: 27 Dec 2024 16:29

Instrument :

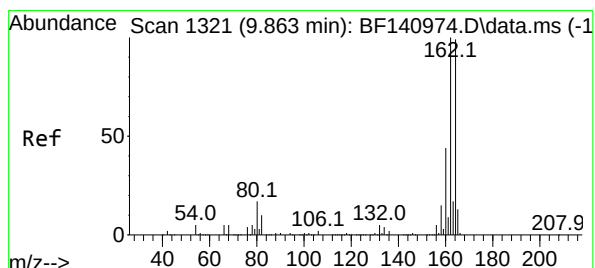
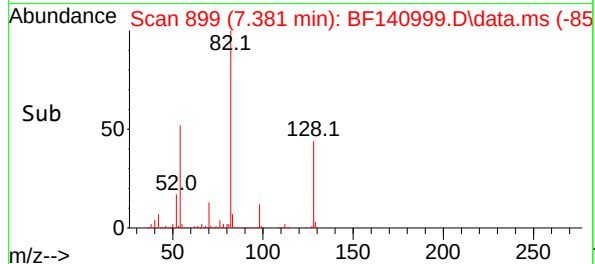
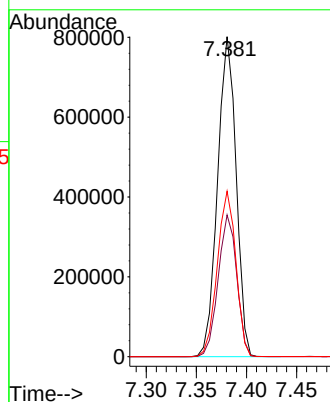
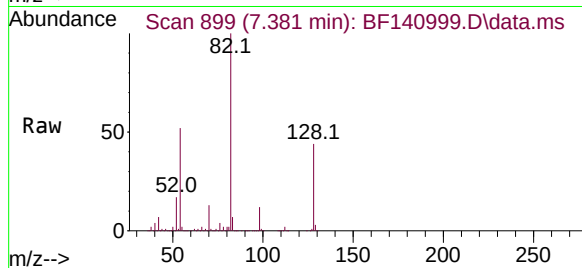
BNA_F

ClientSampleId :

SB-01

Tgt Ion: 82 Resp: 1029902

Ion	Ratio	Lower	Upper
82	100		
128	44.3	34.4	51.6
54	51.7	42.4	63.6



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.857 min Scan# 1320

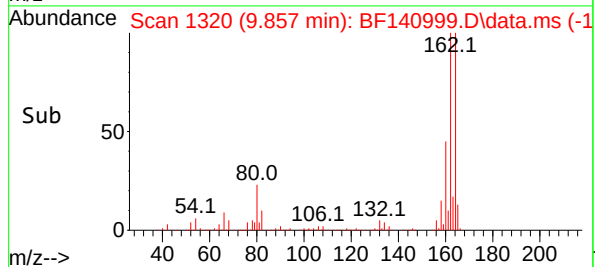
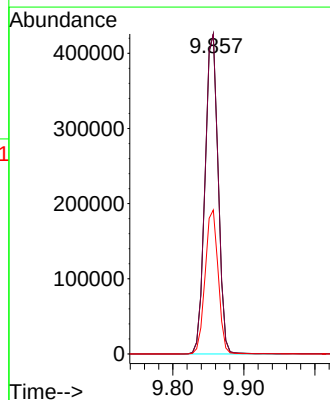
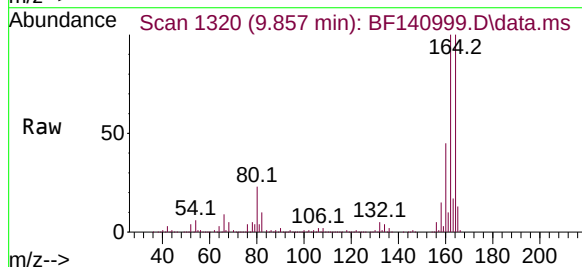
Delta R.T. -0.006 min

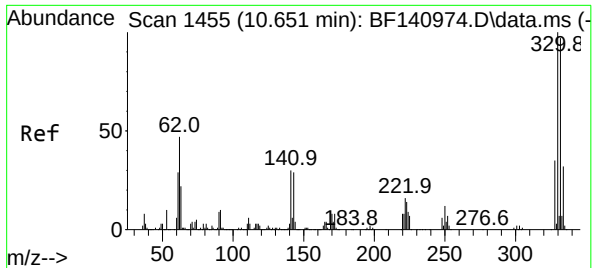
Lab File: BF140999.D

Acq: 27 Dec 2024 16:29

Tgt Ion: 164 Resp: 546385

Ion	Ratio	Lower	Upper
164	100		
162	100.0	80.6	120.8
160	45.0	35.7	53.5





#42

2,4,6-Tribromophenol

Concen: 86.642 ng

RT: 10.639 min Scan# 1453

Delta R.T. -0.012 min

Lab File: BF140999.D

Acq: 27 Dec 2024 16:29

Instrument :

BNA_F

ClientSampleId :

SB-01

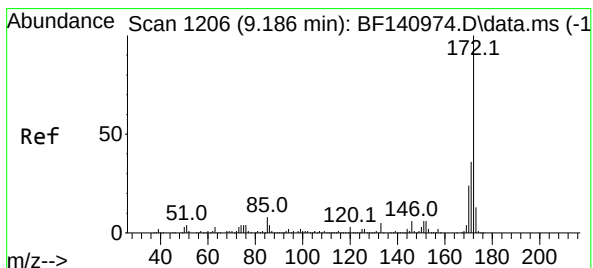
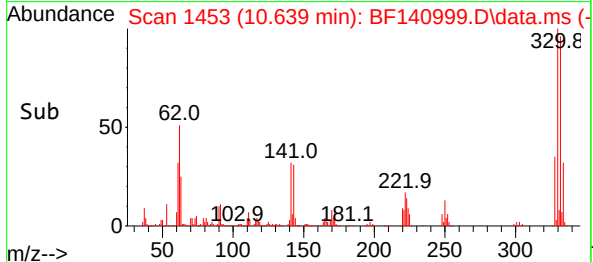
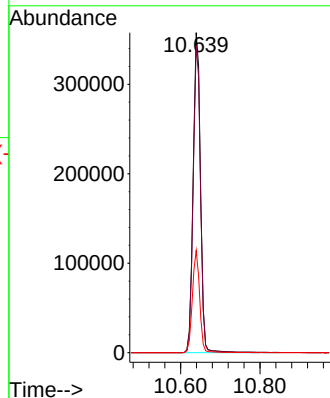
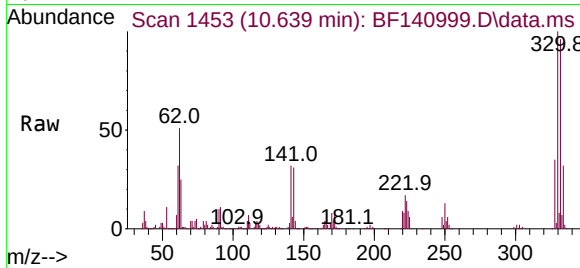
Tgt Ion:330 Resp: 460002

Ion Ratio Lower Upper

330 100

332 96.0 78.0 117.0

141 31.6 26.4 39.6



#45

2-Fluorobiphenyl

Concen: 53.147 ng

RT: 9.175 min Scan# 1204

Delta R.T. -0.012 min

Lab File: BF140999.D

Acq: 27 Dec 2024 16:29

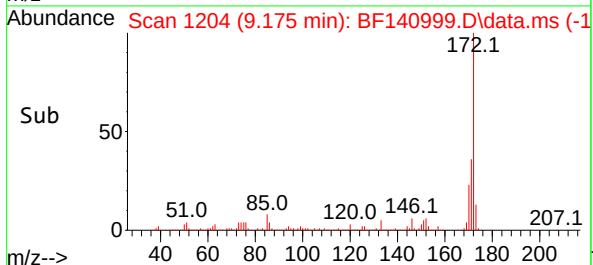
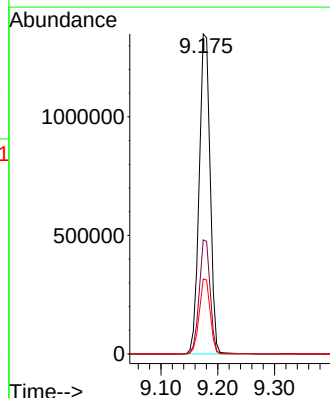
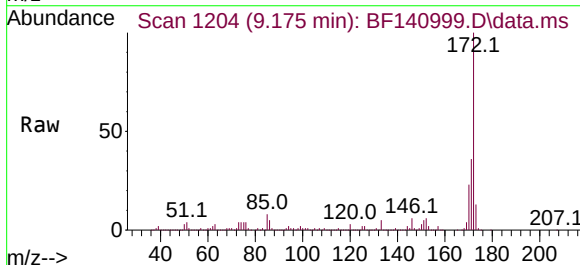
Tgt Ion:172 Resp: 1822631

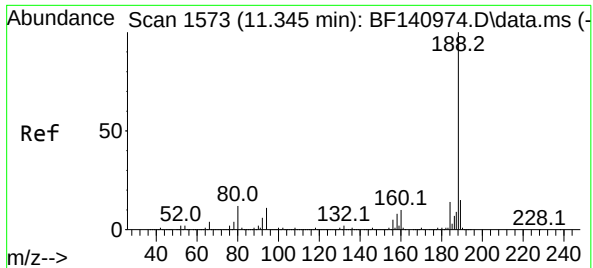
Ion Ratio Lower Upper

172 100

171 35.7 29.0 43.4

170 23.4 19.6 29.4

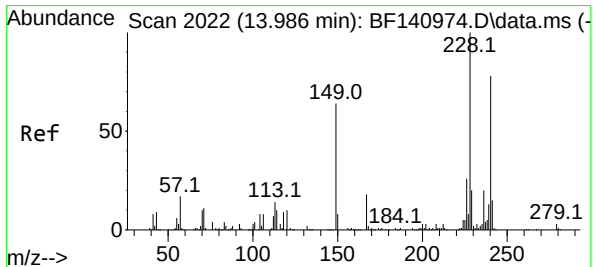
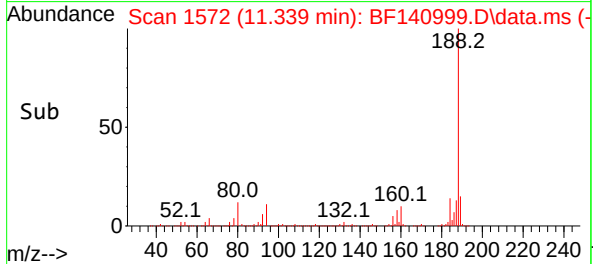
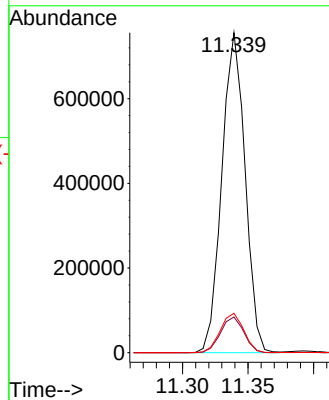
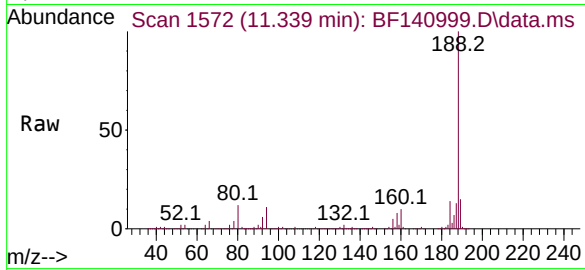




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140999.D
Acq: 27 Dec 2024 16:29

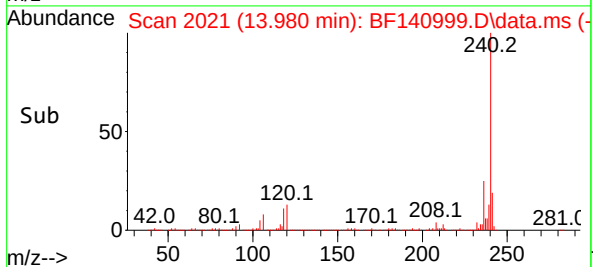
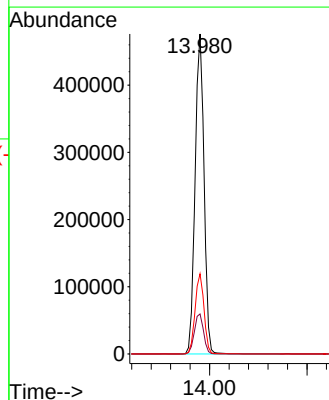
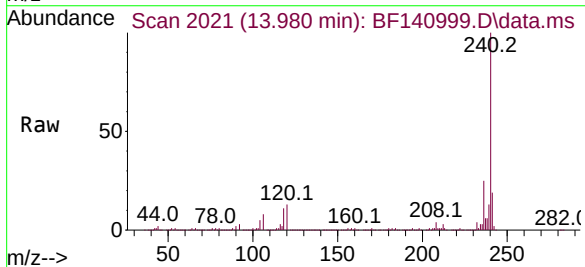
Instrument :
BNA_F
ClientSampleId :
SB-01

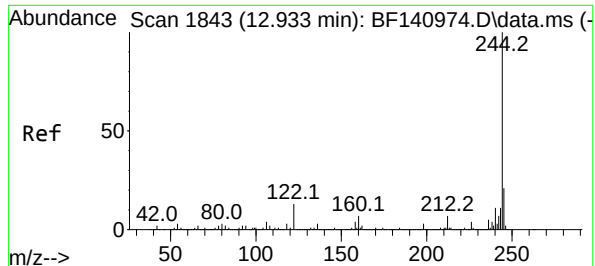
Tgt Ion:188 Resp: 930453
Ion Ratio Lower Upper
188 100
94 11.2 9.0 13.6
80 12.3 9.8 14.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF140999.D
Acq: 27 Dec 2024 16:29

Tgt Ion:240 Resp: 608004
Ion Ratio Lower Upper
240 100
120 12.5 10.7 16.1
236 25.0 20.6 31.0





#79

Terphenyl-d14

Concen: 53.015 ng

RT: 12.927 min Scan# 1842

Delta R.T. -0.006 min

Lab File: BF140999.D

Acq: 27 Dec 2024 16:29

Instrument :

BNA_F

ClientSampleId :

SB-01

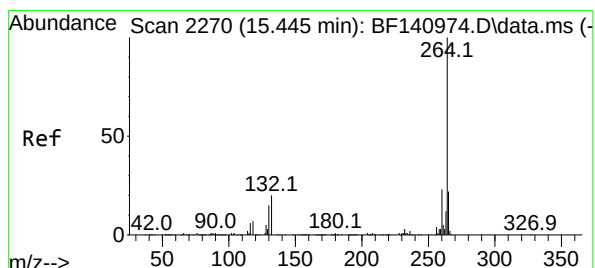
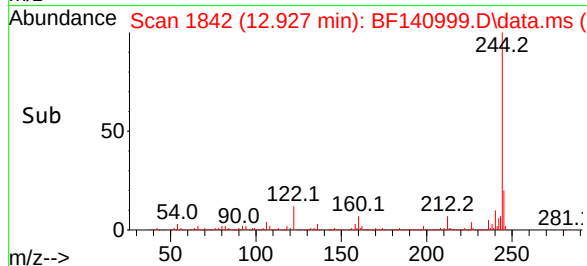
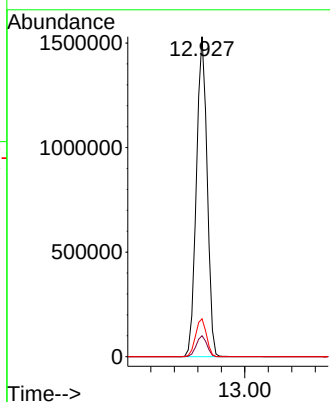
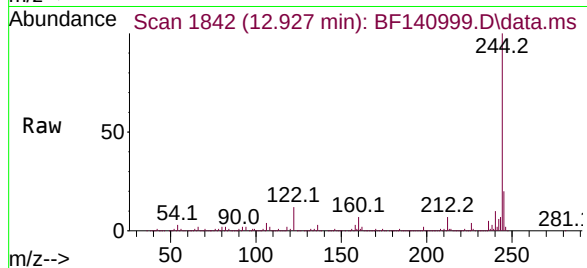
Tgt Ion:244 Resp: 1940618

Ion Ratio Lower Upper

244 100

212 6.5 5.7 8.5

122 11.9 10.2 15.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.451 min Scan# 2271

Delta R.T. 0.006 min

Lab File: BF140999.D

Acq: 27 Dec 2024 16:29

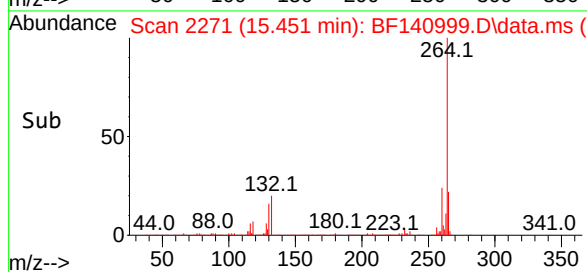
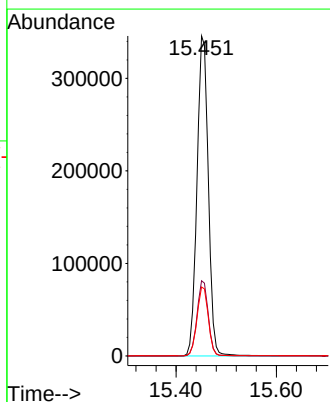
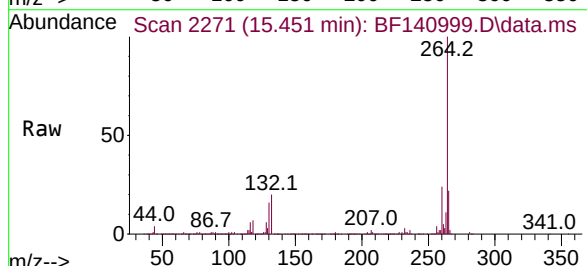
Tgt Ion:264 Resp: 540868

Ion Ratio Lower Upper

264 100

260 23.5 18.7 28.1

265 21.6 17.4 26.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140999.D
Acq On : 27 Dec 2024 16:29
Operator : RC/JU
Sample : P5299-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-01

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF140999.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.893	299	306	314	rBV	53128	90305	1.70%	0.218%
2	5.034	491	500	507	rVB2	39686	70011	1.31%	0.169%
3	5.428	561	567	573	rBV	3402088	4689249	88.08%	11.335%
4	6.439	732	739	744	rBV	3597387	4926687	92.54%	11.909%
5	6.822	799	804	809	rBV	1263212	1537183	28.87%	3.716%
6	7.381	891	899	904	rBV	2351469	3047771	57.25%	7.367%
7	7.639	938	943	950	rVB	104040	130633	2.45%	0.316%
8	8.104	1015	1022	1027	rBV	1692011	2135980	40.12%	5.163%
9	8.322	1054	1059	1066	rVB	42723	63900	1.20%	0.154%
10	8.528	1090	1094	1103	rVB	37189	56489	1.06%	0.137%
11	8.698	1118	1123	1127	rBV	90256	115342	2.17%	0.279%
12	9.175	1199	1204	1210	rVV	4031602	5324043	100.00%	12.870%
13	9.263	1214	1219	1224	rBV	152957	192365	3.61%	0.465%
14	9.580	1268	1273	1281	rVB2	42339	76232	1.43%	0.184%
15	9.792	1305	1309	1313	rVB	52922	64624	1.21%	0.156%
16	9.857	1314	1320	1325	rBV	1820900	2347192	44.09%	5.674%
17	10.569	1436	1441	1447	rBV	728267	883124	16.59%	2.135%
18	10.639	1447	1453	1469	rVV	2729183	3485476	65.47%	8.425%
19	11.339	1567	1572	1579	rBV	1940326	2404298	45.16%	5.812%
20	11.410	1579	1584	1588	rVB3	62921	84934	1.60%	0.205%
21	11.869	1657	1662	1677	rBV2	401062	662568	12.44%	1.602%
22	12.657	1791	1796	1806	rVV	66783	113668	2.13%	0.275%
23	12.927	1836	1842	1847	rBV	4052158	5153376	96.79%	12.457%
24	13.833	1990	1996	2013	rBV	283366	504241	9.47%	1.219%
25	13.980	2015	2021	2030	rVV	1300302	1690798	31.76%	4.087%
26	14.480	2102	2106	2114	rBV	37613	67160	1.26%	0.162%
27	15.451	2265	2271	2278	rBV	950231	1451521	27.26%	3.509%

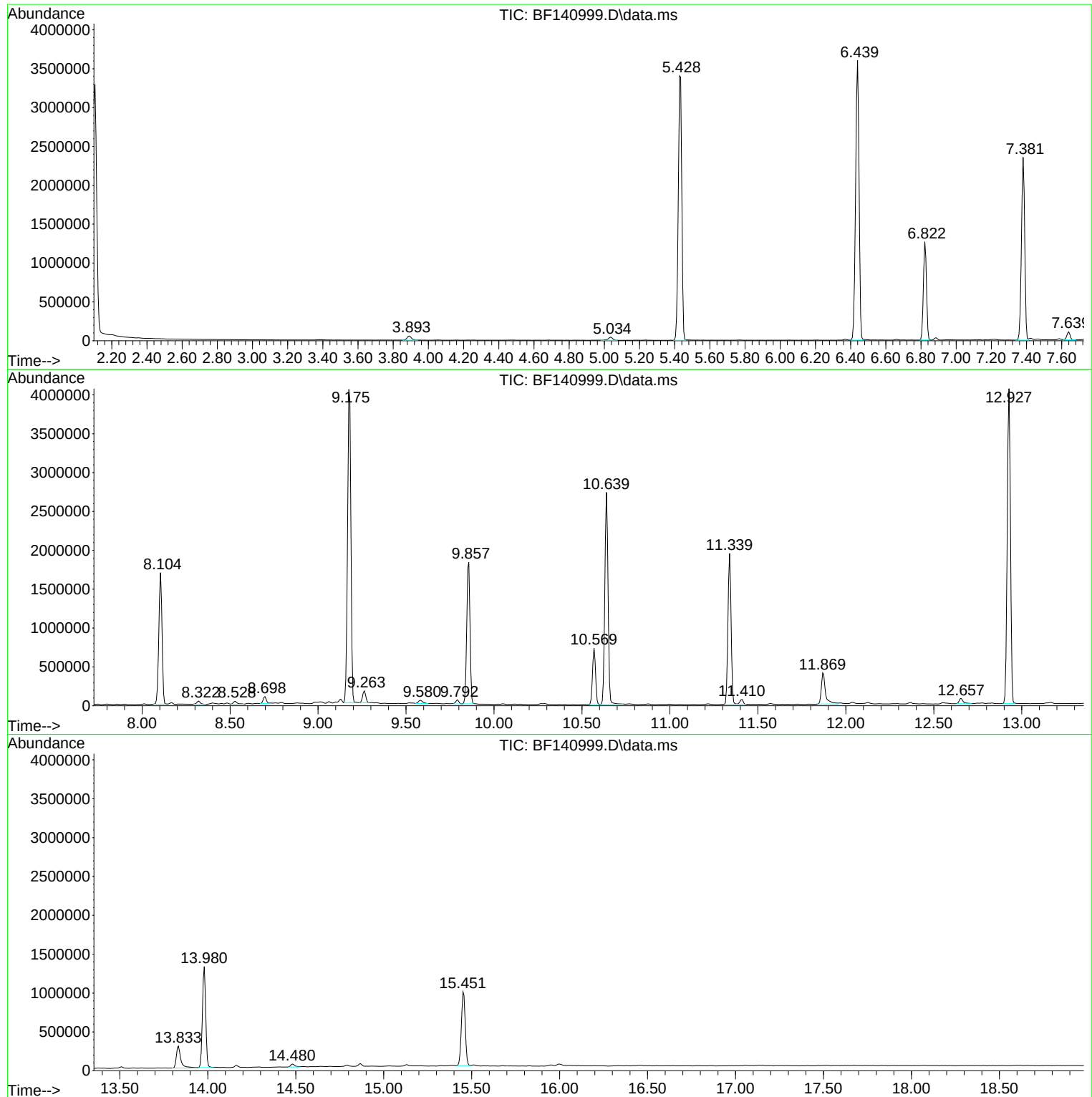
Sum of corrected areas: 41369170

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140999.D
Acq On : 27 Dec 2024 16:29
Operator : RC/JU
Sample : P5299-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140999.D
Acq On : 27 Dec 2024 16:29
Operator : RC/JU
Sample : P5299-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-01

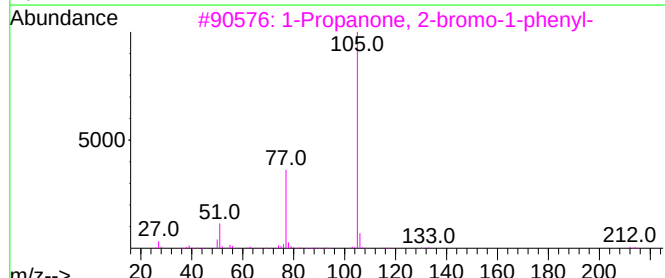
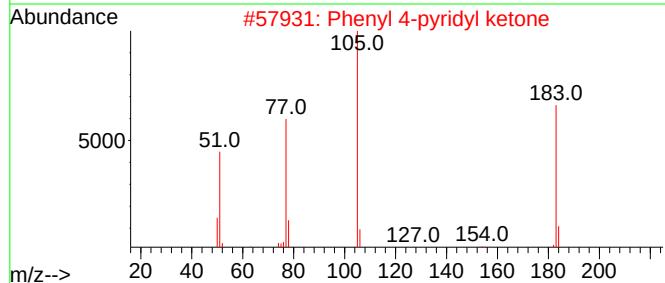
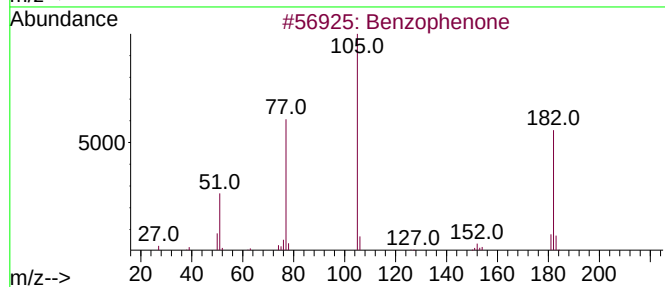
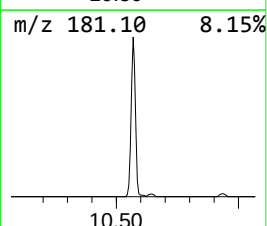
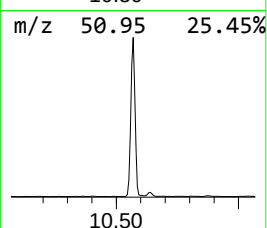
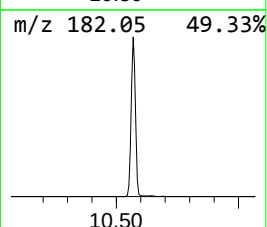
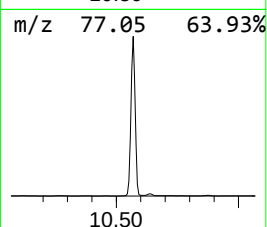
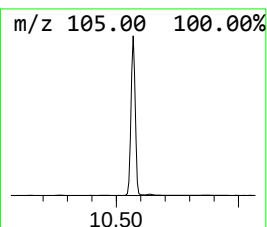
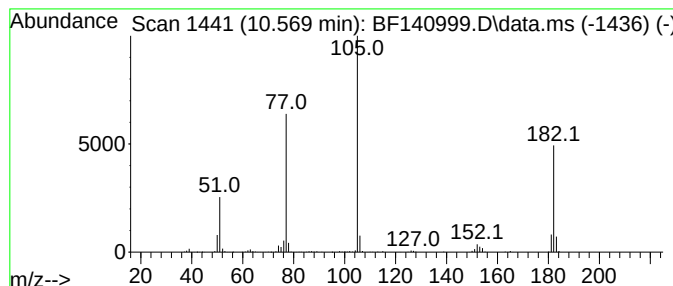
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Benzophenone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.569	7.52 ng	883124	Acenaphthene-d10	9.857

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			Phenyl 4-pyridyl ketone	183	C12H9NO	014548-46-0	50
3			1-Propanone, 2-bromo-1-phenyl-	212	C9H9BrO	002114-00-3	47
4			Benzopinacol	366	C26H22O2	000464-72-2	47
5			Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140999.D
Acq On : 27 Dec 2024 16:29
Operator : RC/JU
Sample : P5299-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-01

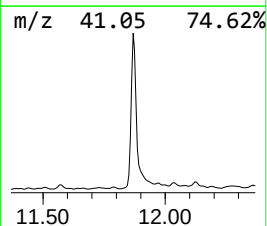
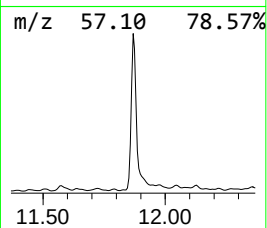
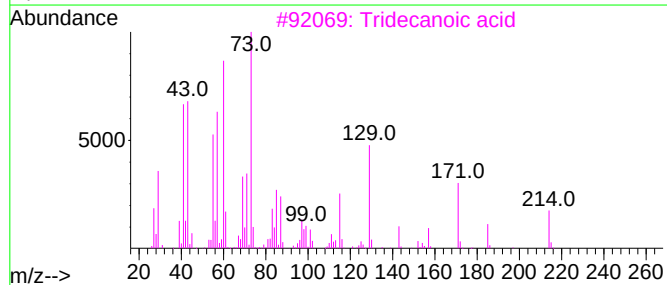
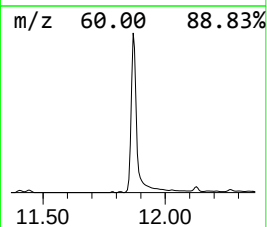
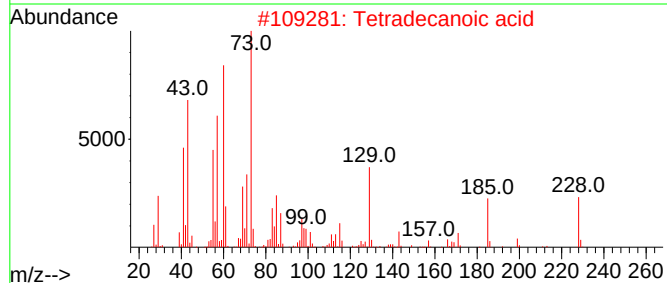
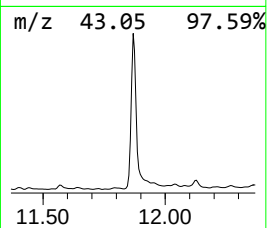
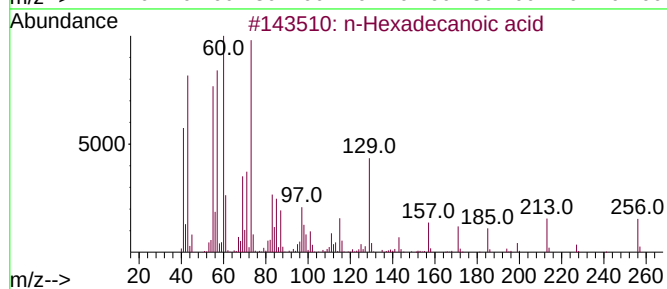
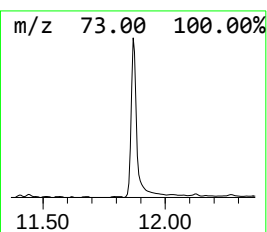
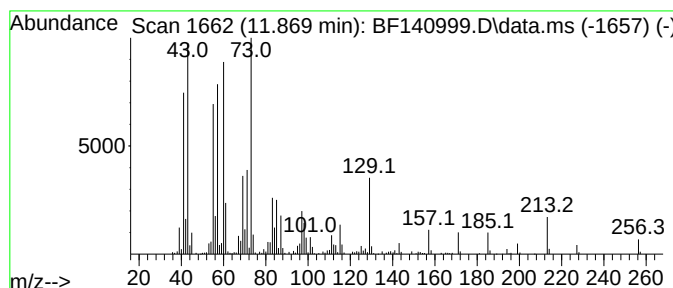
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.869	5.51 ng	662568	Phenanthrene-d10	11.339

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2			Tetradecanoic acid	228	C14H28O2	000544-63-8	93
3			Tridecanoic acid	214	C13H26O2	000638-53-9	93
4			Pentadecanoic acid	242	C15H30O2	001002-84-2	90
5			8-Methylnonanoic acid	172	C10H20O2	005963-14-4	78



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140999.D
Acq On : 27 Dec 2024 16:29
Operator : RC/JU
Sample : P5299-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-01

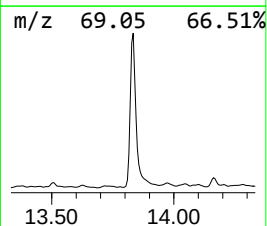
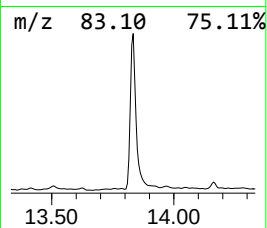
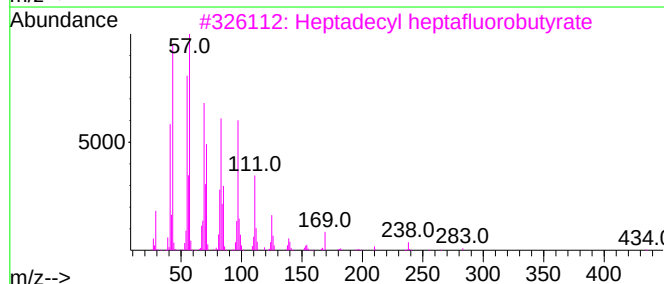
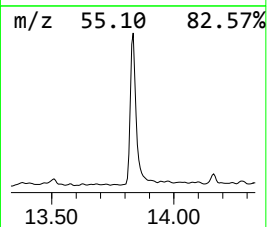
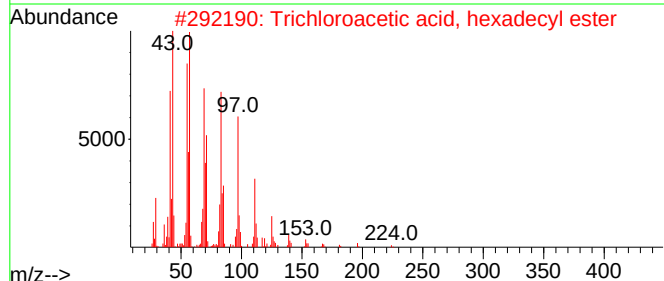
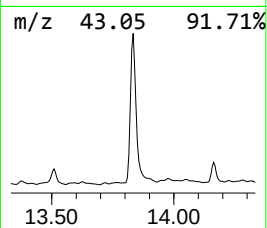
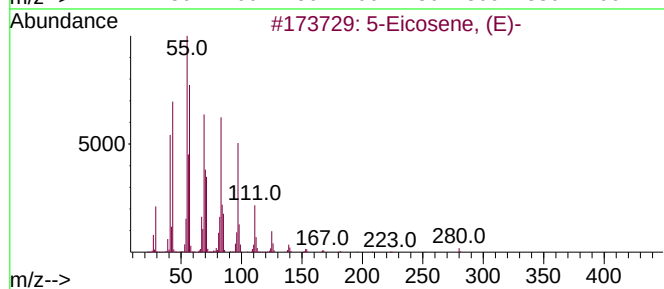
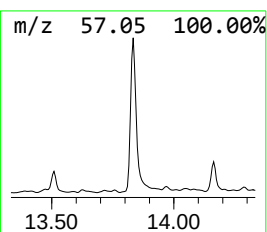
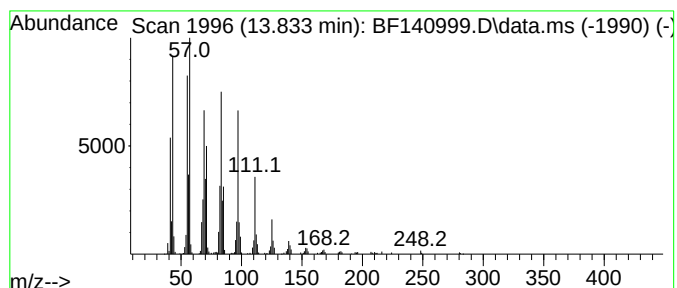
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 5-Eicosene, (E)- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.833	5.96 ng	504241	Chrysene-d12	13.980

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			5-Eicosene, (E)-	280	C20H40	074685-30-6	97
2			Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	94
3			Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	94
4			1-Hexacosene	364	C26H52	018835-33-1	94
5			Heptafluorobutyric acid, n-octad...	466	C22H37F7O2	000400-57-7	94



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140999.D
Acq On : 27 Dec 2024 16:29
Operator : RC/JU
Sample : P5299-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.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
Benzophenone	10.569	7.5	ng	883124	3	9.857	2347190	20.0
n-Hexadecanoic ...	11.869	5.5	ng	662568	4	11.339	2404300	20.0
5-Eicosene, (E)-	13.833	6.0	ng	504241	5	13.980	1690800	20.0

Report of Analysis

Client:	Portal Partners Tri-Venture			Date Collected:	12/15/24		
Project:	Amtrak Sawtooth Bridges 2024			Date Received:	12/16/24		
Client Sample ID:	SB-02			SDG No.:	P5299		
Lab Sample ID:	P5299-02			Matrix:	SOIL		
Analytical Method:	SW8270			% Solid:	75.5		
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
BF140998.D	1	12/18/24 08:56	12/27/24 16:03	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	240	U	240	440	ug/Kg
108-95-2	Phenol	110	U	110	230	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	230	ug/Kg
95-57-8	2-Chlorophenol	110	U	110	230	ug/Kg
95-48-7	2-Methylphenol	110	U	110	230	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	230	ug/Kg
98-86-2	Acetophenone	120	U	120	230	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	440	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	53.3	U	53.3	110	ug/Kg
67-72-1	Hexachloroethane	110	U	110	230	ug/Kg
98-95-3	Nitrobenzene	120	U	120	230	ug/Kg
78-59-1	Isophorone	110	U	110	230	ug/Kg
88-75-5	2-Nitrophenol	130	U	130	230	ug/Kg
105-67-9	2,4-Dimethylphenol	120	U	120	230	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	110	U	110	230	ug/Kg
120-83-2	2,4-Dichlorophenol	99.9	U	99.9	230	ug/Kg
91-20-3	Naphthalene	110	U	110	230	ug/Kg
106-47-8	4-Chloroaniline	110	U	110	230	ug/Kg
87-68-3	Hexachlorobutadiene	110	U	110	230	ug/Kg
105-60-2	Caprolactam	110	U	110	440	ug/Kg
59-50-7	4-Chloro-3-methylphenol	100	U	100	230	ug/Kg
91-57-6	2-Methylnaphthalene	110	U	110	230	ug/Kg
77-47-4	Hexachlorocyclopentadiene	210	U	210	440	ug/Kg
88-06-2	2,4,6-Trichlorophenol	94.5	U	94.5	230	ug/Kg
95-95-4	2,4,5-Trichlorophenol	97.9	U	97.9	230	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	230	ug/Kg
91-58-7	2-Chloronaphthalene	110	U	110	230	ug/Kg
88-74-4	2-Nitroaniline	130	U	130	230	ug/Kg
131-11-3	Dimethylphthalate	110	U	110	230	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-02	SDG No.:	P5299
Lab Sample ID:	P5299-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	75.5
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
BF140998.D	1	12/18/24 08:56	12/27/24 16:03	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	110	U	110	230	ug/Kg
606-20-2	2,6-Dinitrotoluene	110	U	110	230	ug/Kg
99-09-2	3-Nitroaniline	120	UQ	120	230	ug/Kg
83-32-9	Acenaphthene	110	U	110	230	ug/Kg
51-28-5	2,4-Dinitrophenol	320	U	320	440	ug/Kg
100-02-7	4-Nitrophenol	150	U	150	440	ug/Kg
132-64-9	Dibenzofuran	110	U	110	230	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	230	ug/Kg
84-66-2	Diethylphthalate	110	U	110	230	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	230	ug/Kg
86-73-7	Fluorene	110	U	110	230	ug/Kg
100-01-6	4-Nitroaniline	140	U	140	230	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	150	U	150	440	ug/Kg
86-30-6	n-Nitrosodiphenylamine	110	U	110	230	ug/Kg
101-55-3	4-Bromophenyl-phenylether	100	U	100	230	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	230	ug/Kg
1912-24-9	Atrazine	120	U	120	230	ug/Kg
87-86-5	Pentachlorophenol	100	U	100	440	ug/Kg
85-01-8	Phenanthrene	110	U	110	230	ug/Kg
120-12-7	Anthracene	110	U	110	230	ug/Kg
86-74-8	Carbazole	110	U	110	230	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	230	ug/Kg
206-44-0	Fluoranthene	110	U	110	230	ug/Kg
129-00-0	Pyrene	110	U	110	230	ug/Kg
85-68-7	Butylbenzylphthalate	130	U	130	230	ug/Kg
91-94-1	3,3-Dichlorobenzidine	130	UQ	130	440	ug/Kg
56-55-3	Benzo(a)anthracene	110	U	110	230	ug/Kg
218-01-9	Chrysene	110	U	110	230	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	120	U	120	230	ug/Kg
117-84-0	Di-n-octyl phthalate	150	U	150	440	ug/Kg
205-99-2	Benzo(b)fluoranthene	110	U	110	230	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-02	SDG No.:	P5299
Lab Sample ID:	P5299-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	75.5
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
BF140998.D	1	12/18/24 08:56	12/27/24 16:03	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	110	U	110	230	ug/Kg
50-32-8	Benzo(a)pyrene	120	U	120	230	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	100	U	100	230	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	110	U	110	230	ug/Kg
191-24-2	Benzo(g,h,i)perylene	110	U	110	230	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	110	U	110	230	ug/Kg
123-91-1	1,4-Dioxane	150	U	150	230	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	98.9	U	98.9	230	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	106		30 (18) - 130 (112)	70%	SPK: 150
13127-88-3	Phenol-d6	103		30 (15) - 130 (107)	69%	SPK: 150
4165-60-0	Nitrobenzene-d5	86.9		30 (18) - 130 (107)	87%	SPK: 100
321-60-8	2-Fluorobiphenyl	70.8		30 (20) - 130 (109)	71%	SPK: 100
118-79-6	2,4,6-Tribromophenol	117		30 (10) - 130 (116)	78%	SPK: 150
1718-51-0	Terphenyl-d14	73.6		30 (10) - 130 (105)	74%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	249000	6.822
1146-65-2	Naphthalene-d8	990000	8.104
15067-26-2	Acenaphthene-d10	533000	9.857
1517-22-2	Phenanthrene-d10	920000	11.339
1719-03-5	Chrysene-d12	611000	13.98
1520-96-3	Perylene-d12	533000	15.445

TENTATIVE IDENTIFIED COMPOUNDS

062108-25-2	Decane, 2,6,7-trimethyl-	92.2	J	8.53	ug/Kg
000629-50-5	Tridecane	170	J	8.70	ug/Kg
000629-59-4	Tetradecane	270	J	9.26	ug/Kg
1000342-70-4	1-Octadecanesulphonyl chloride	110	J	9.58	ug/Kg
000629-62-9	Pentadecane	93.5	J	9.79	ug/Kg
000119-61-9	Benzophenone	410	J	10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	490	J	11.9	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-02	SDG No.:	P5299
Lab Sample ID:	P5299-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	75.5
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
BF140998.D	1	12/18/24 08:56	12/27/24 16:03	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000057-11-4	Octadecanoic acid	120	J		12.7	ug/Kg
000506-51-4	n-Tetracosanol-1	460	J		13.8	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_F\Data\BF122724\
Data File : BF140998.D
Acq On : 27 Dec 2024 16:03
Operator : RC/JU
Sample : P5299-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-02

Quant Time: Dec 27 16:36:04 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	248948	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	990169	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	532678	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	920169	20.000	ng	0.00
76) Chrysene-d12	13.980	240	611482	20.000	ng	0.00
86) Perylene-d12	15.445	264	533372	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1742406	105.503	ng	0.00
7) Phenol-d6	6.440	99	2199933	103.403	ng	-0.01
23) Nitrobenzene-d5	7.381	82	1344513	86.873	ng	-0.01
42) 2,4,6-Tribromophenol	10.645	330	606069	117.091	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	2366923	70.795	ng	0.00
79) Terphenyl-d14	12.927	244	2710716	73.632	ng	0.00

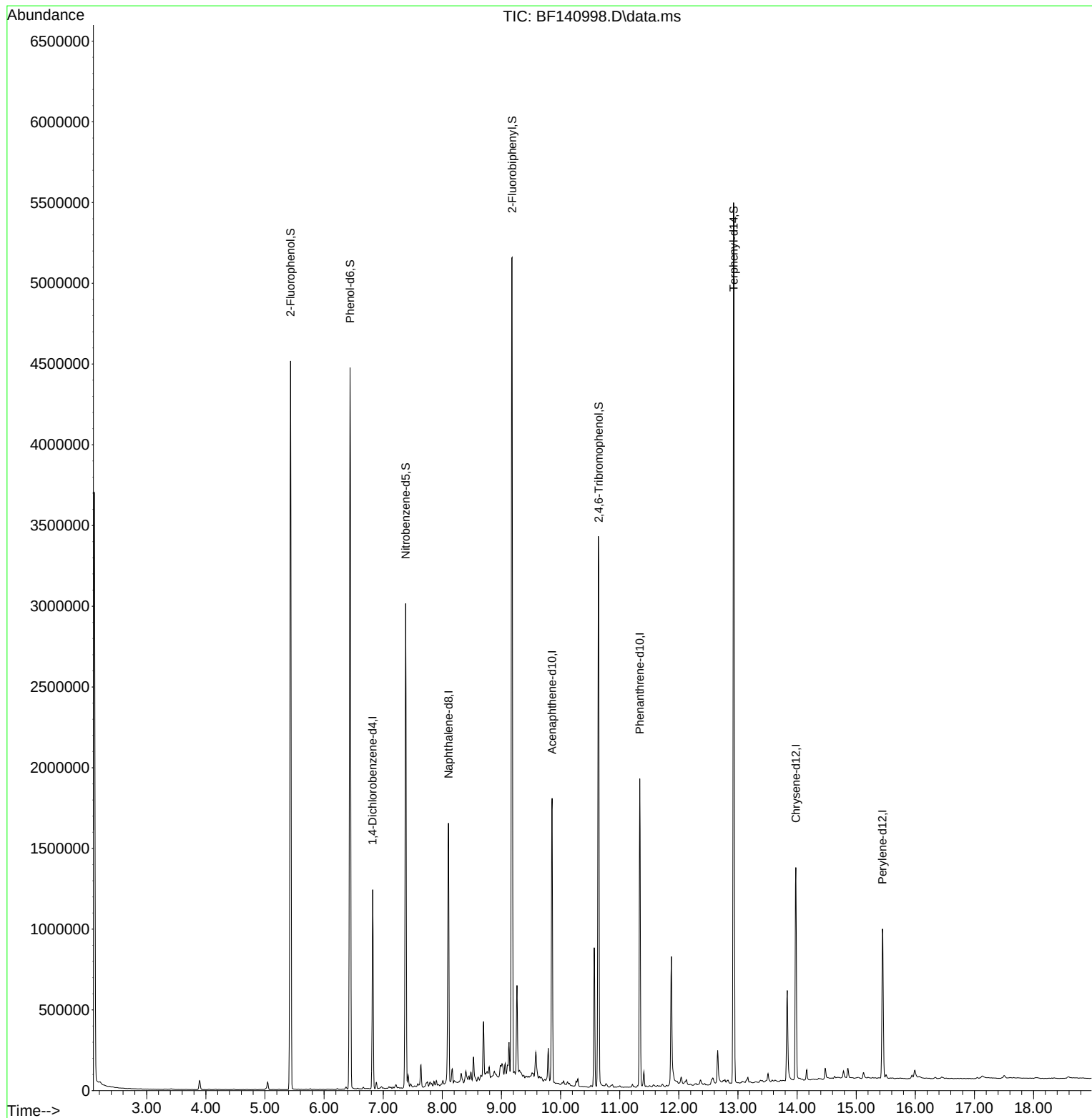
Target Compounds	Qvalue

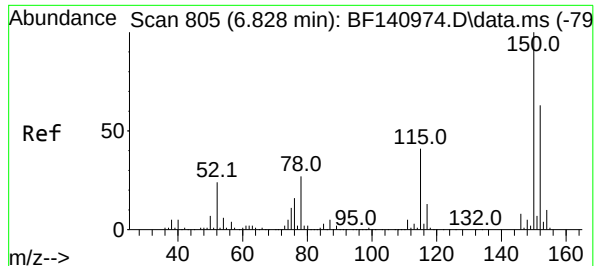
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140998.D
Acq On : 27 Dec 2024 16:03
Operator : RC/JU
Sample : P5299-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-02

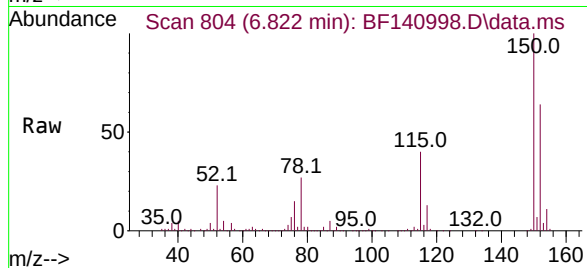
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration



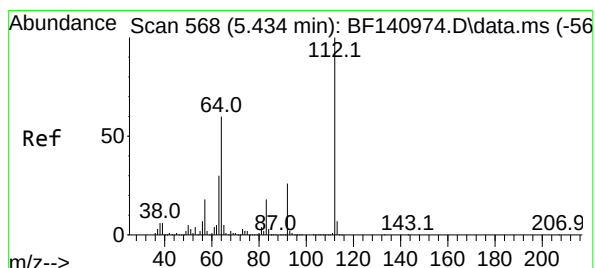
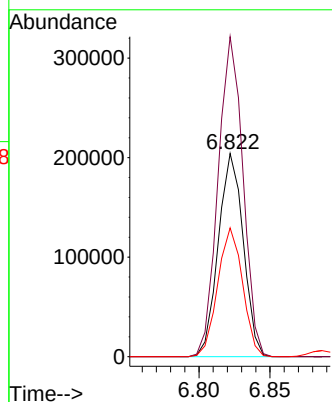
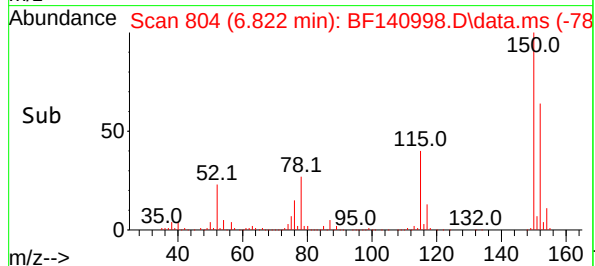


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF140998.D
Acq: 27 Dec 2024 16:03

Instrument :
BNA_F
ClientSampleId :
SB-02

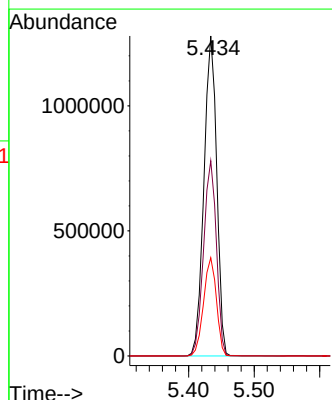
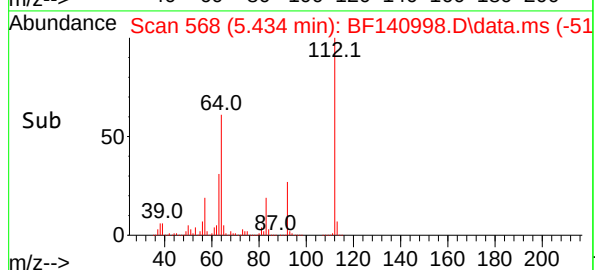
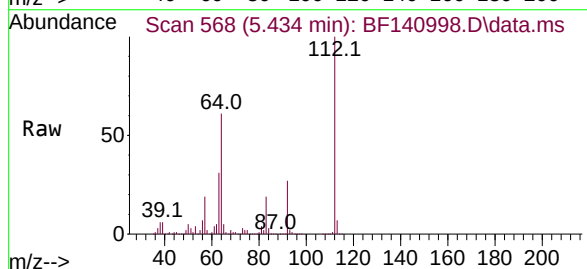


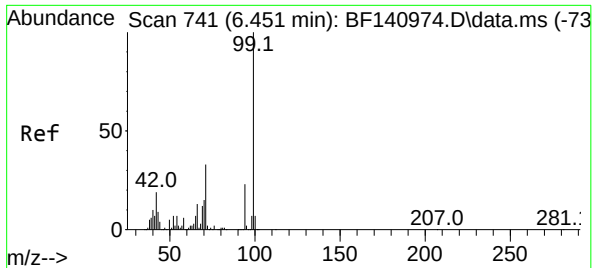
Tgt Ion:152 Resp: 248948
Ion Ratio Lower Upper
152 100
150 157.4 127.0 190.6
115 63.4 51.7 77.5



#5
2-Fluorophenol
Concen: 105.503 ng
RT: 5.434 min Scan# 568
Delta R.T. -0.000 min
Lab File: BF140998.D
Acq: 27 Dec 2024 16:03

Tgt Ion:112 Resp: 1742406
Ion Ratio Lower Upper
112 100
64 61.0 47.7 71.5
63 30.7 24.2 36.2

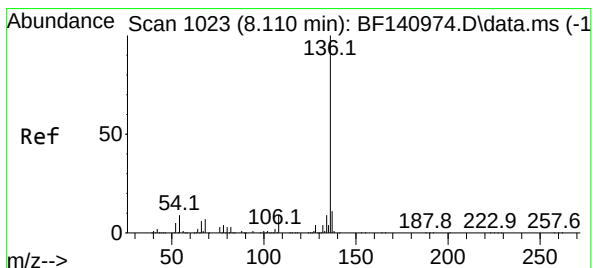
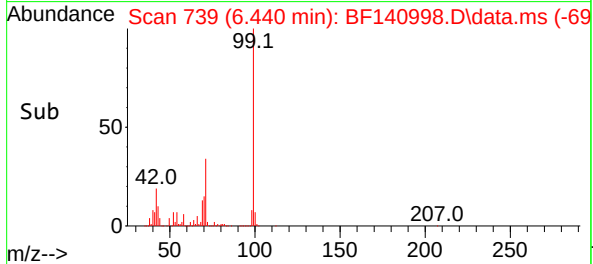
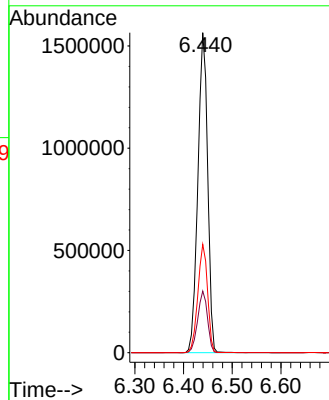
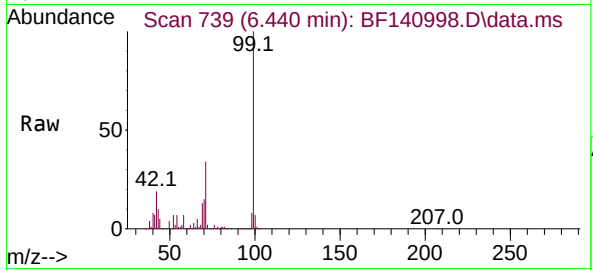




#7
Phenol-d6
Concen: 103.403 ng
RT: 6.440 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF140998.D
Acq: 27 Dec 2024 16:03

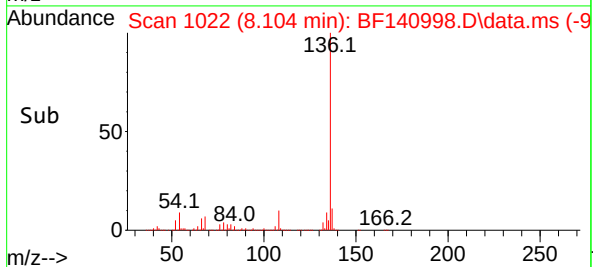
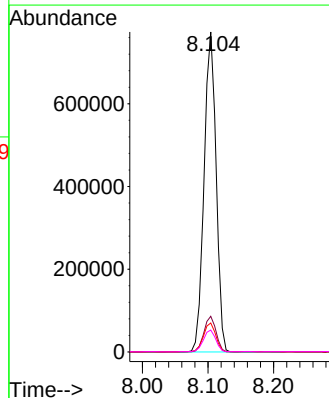
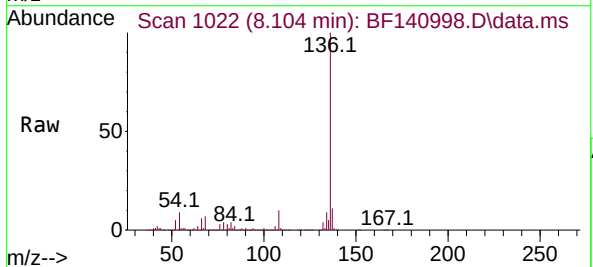
Instrument :
BNA_F
ClientSampleId :
SB-02

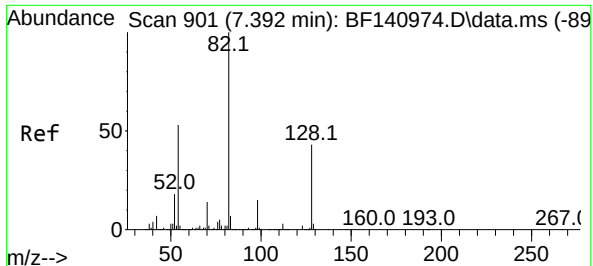
Tgt Ion: 99 Resp: 2199933
Ion Ratio Lower Upper
99 100
42 19.2 15.0 22.4
71 33.9 26.2 39.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF140998.D
Acq: 27 Dec 2024 16:03

Tgt Ion: 136 Resp: 990169
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.4
54 9.1 7.6 11.4
68 6.9 5.6 8.4





#23

Nitrobenzene-d5

Concen: 86.873 ng

RT: 7.381 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF140998.D

Acq: 27 Dec 2024 16:03

Instrument :

BNA_F

ClientSampleId :

SB-02

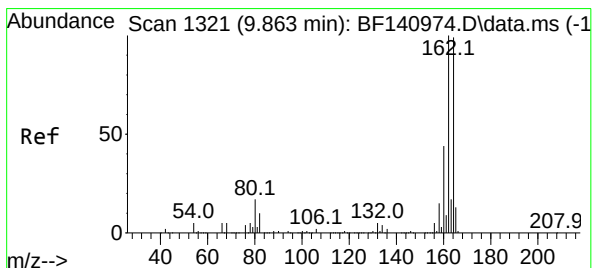
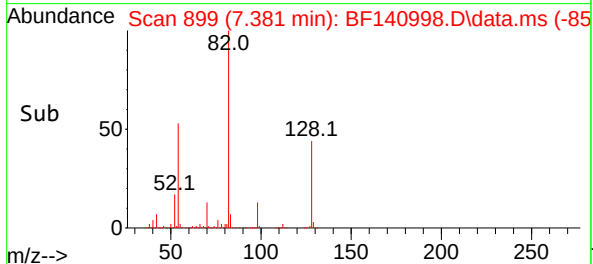
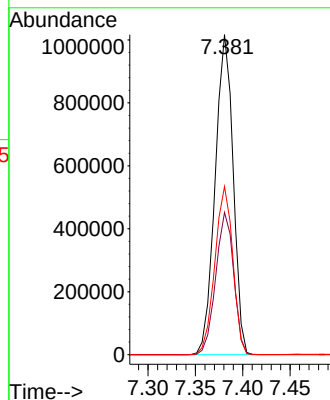
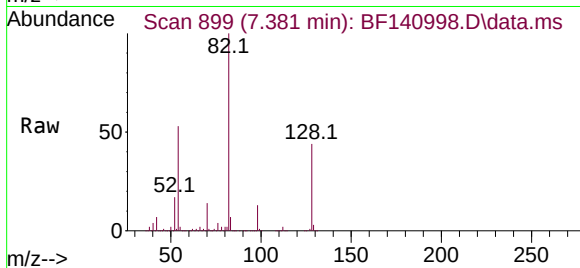
Tgt Ion: 82 Resp: 1344513

Ion Ratio Lower Upper

82 100

128 44.5 34.4 51.6

54 52.5 42.4 63.6



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.857 min Scan# 1320

Delta R.T. -0.006 min

Lab File: BF140998.D

Acq: 27 Dec 2024 16:03

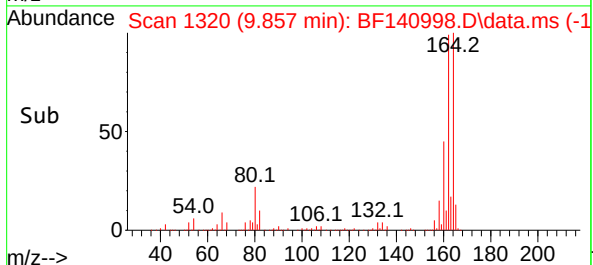
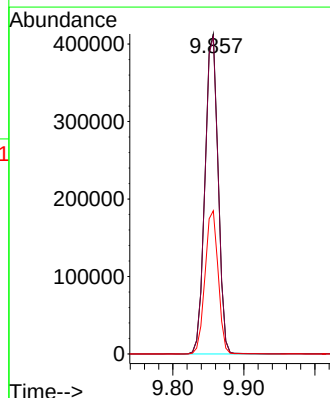
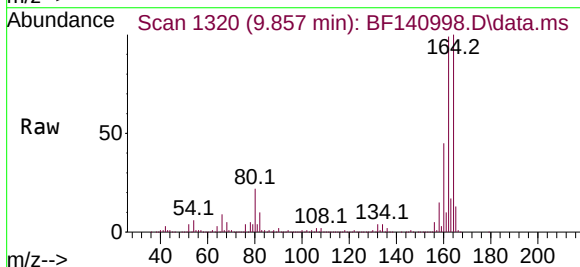
Tgt Ion: 164 Resp: 532678

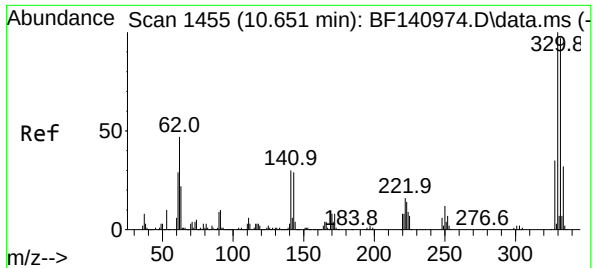
Ion Ratio Lower Upper

164 100

162 99.2 80.6 120.8

160 44.7 35.7 53.5





#42

2,4,6-Tribromophenol

Concen: 117.091 ng

RT: 10.645 min Scan# 1455

Delta R.T. -0.006 min

Lab File: BF140998.D

Acq: 27 Dec 2024 16:03

Instrument :

BNA_F

ClientSampleId :

SB-02

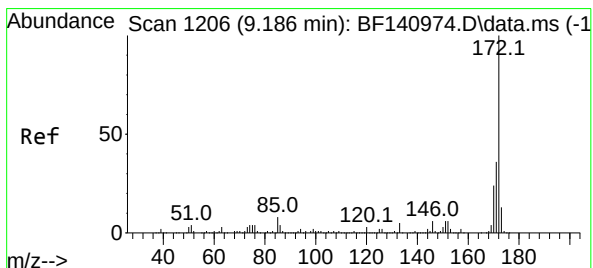
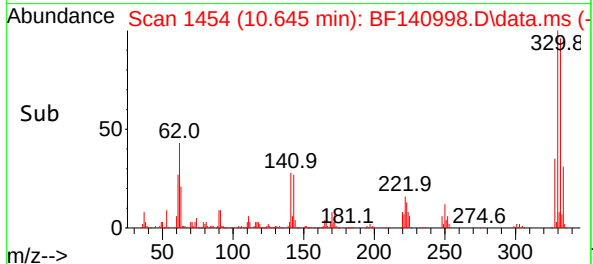
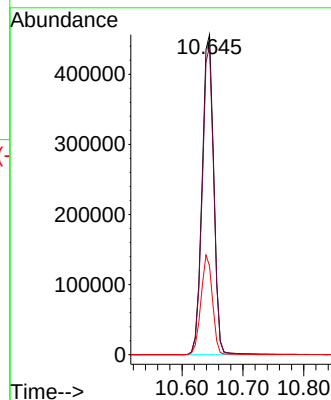
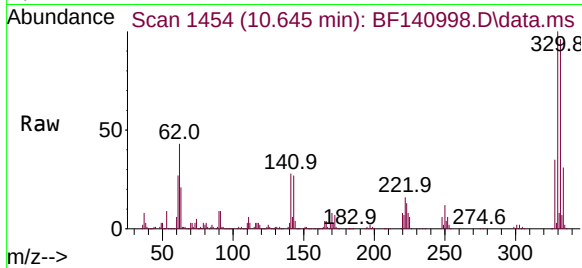
Tgt Ion:330 Resp: 606069

Ion Ratio Lower Upper

330 100

332 96.1 78.0 117.0

141 30.9 26.4 39.6



#45

2-Fluorobiphenyl

Concen: 70.795 ng

RT: 9.181 min Scan# 1205

Delta R.T. -0.006 min

Lab File: BF140998.D

Acq: 27 Dec 2024 16:03

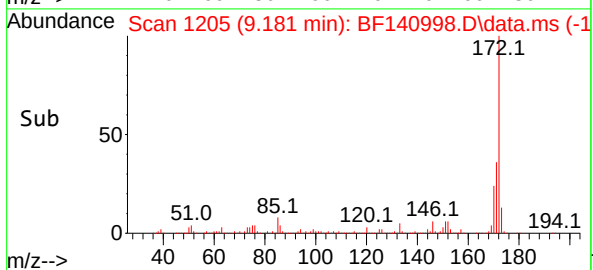
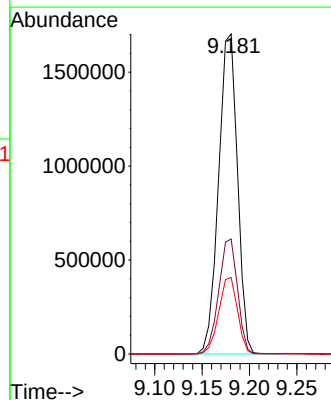
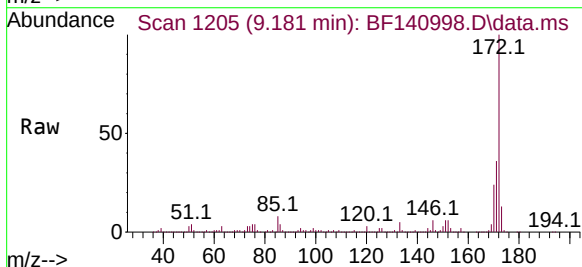
Tgt Ion:172 Resp: 2366923

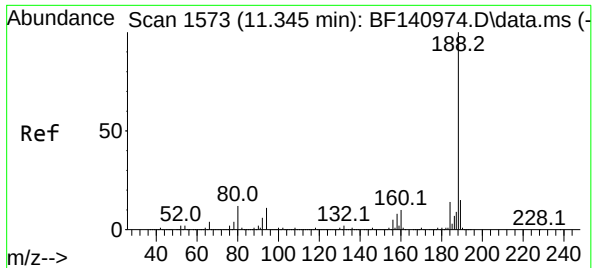
Ion Ratio Lower Upper

172 100

171 35.9 29.0 43.4

170 23.9 19.6 29.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.339 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140998.D

Acq: 27 Dec 2024 16:03

Instrument :

BNA_F

ClientSampleId :

SB-02

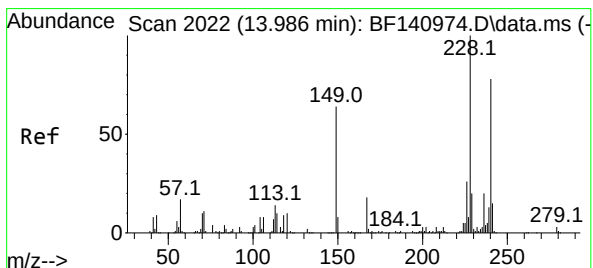
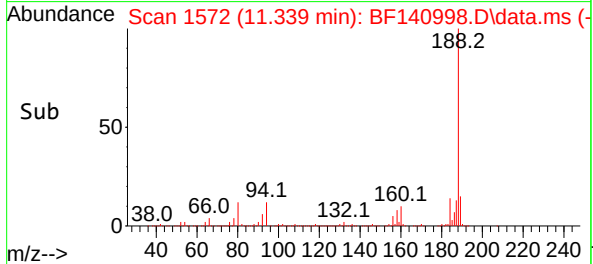
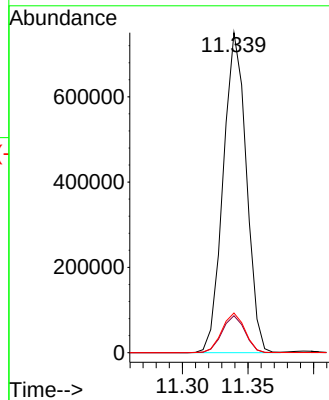
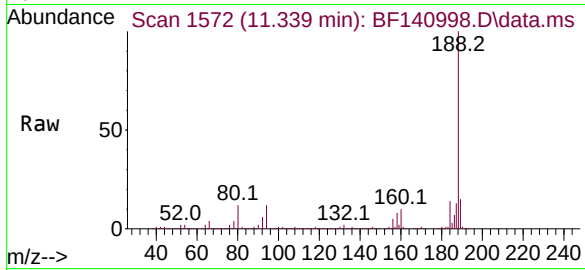
Tgt Ion:188 Resp: 920169

Ion Ratio Lower Upper

188 100

94 11.6 9.0 13.6

80 12.4 9.8 14.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.980 min Scan# 2021

Delta R.T. -0.006 min

Lab File: BF140998.D

Acq: 27 Dec 2024 16:03

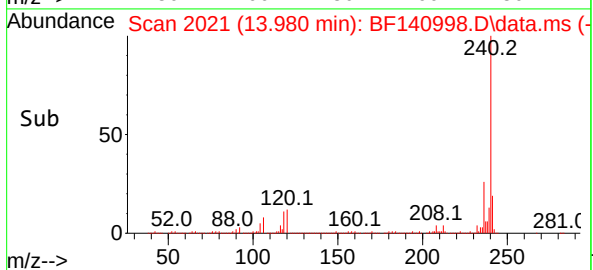
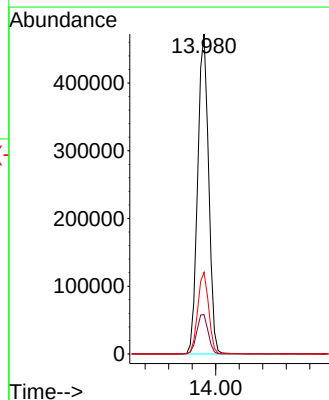
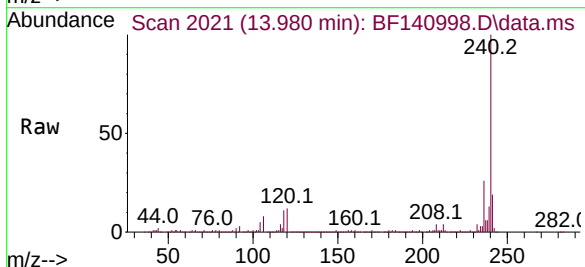
Tgt Ion:240 Resp: 611482

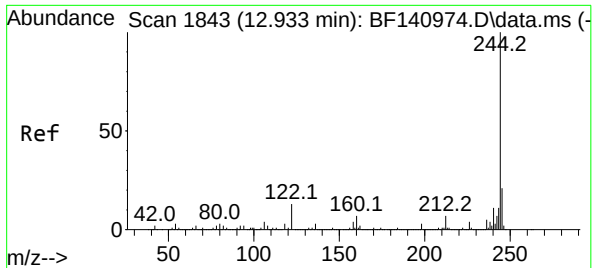
Ion Ratio Lower Upper

240 100

120 12.3 10.7 16.1

236 25.6 20.6 31.0





#79

Terphenyl-d14

Concen: 73.632 ng

RT: 12.927 min Scan# 1842

Delta R.T. -0.006 min

Lab File: BF140998.D

Acq: 27 Dec 2024 16:03

Instrument :

BNA_F

ClientSampleId :

SB-02

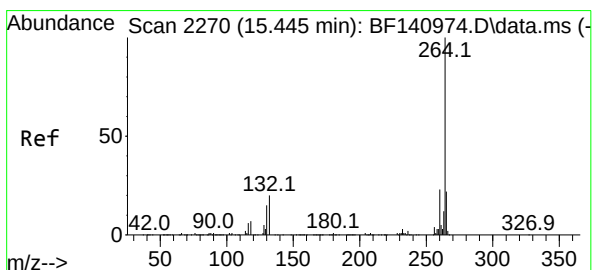
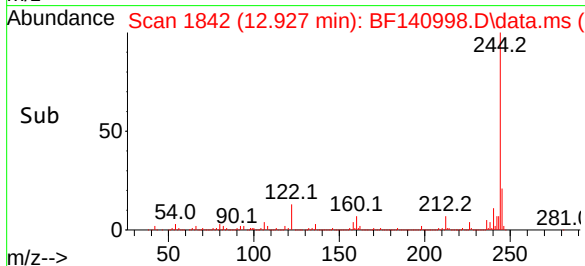
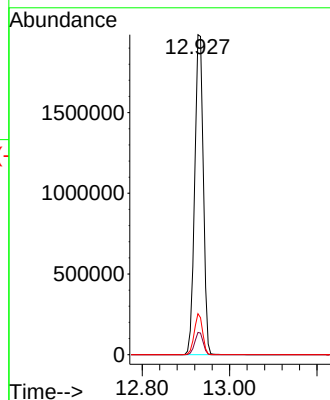
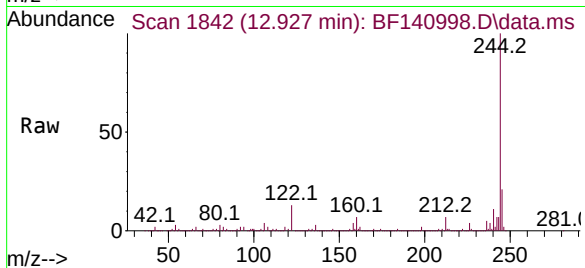
Tgt Ion:244 Resp: 2710716

Ion Ratio Lower Upper

244 100

212 6.9 5.7 8.5

122 12.8 10.2 15.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.445 min Scan# 2270

Delta R.T. -0.000 min

Lab File: BF140998.D

Acq: 27 Dec 2024 16:03

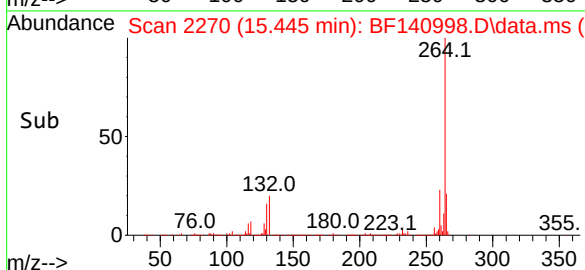
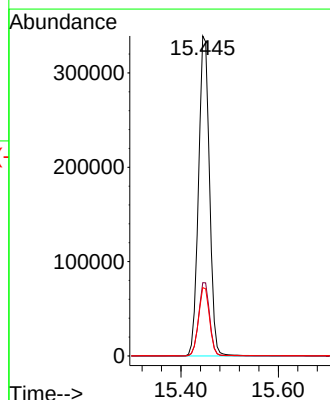
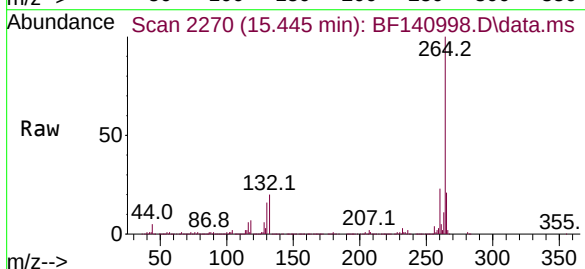
Tgt Ion:264 Resp: 533372

Ion Ratio Lower Upper

264 100

260 22.9 18.7 28.1

265 21.4 17.4 26.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
 Data File : BF140998.D
 Acq On : 27 Dec 2024 16:03
 Operator : RC/JU
 Sample : P5299-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-02

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF140998.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.893	297	306	315	rBV	56114	95906	1.31%	0.175%
2	5.046	492	502	508	rVB	47169	83271	1.13%	0.152%
3	5.434	561	568	573	rBV	4512168	6146107	83.65%	11.222%
4	6.440	732	739	745	rBV	4467023	6331156	86.17%	11.560%
5	6.822	799	804	810	rVB	1232077	1512528	20.59%	2.762%
6	7.381	890	899	904	rBV	3001706	4021656	54.73%	7.343%
7	7.422	904	906	910	rVB	70753	77659	1.06%	0.142%
8	7.639	938	943	950	rVB2	138497	195688	2.66%	0.357%
9	8.104	1012	1022	1027	rBV	1611546	2281149	31.05%	4.165%
10	8.169	1027	1033	1036	rVB	86185	115295	1.57%	0.211%
11	8.316	1054	1058	1066	rVB4	58046	109580	1.49%	0.200%
12	8.398	1066	1072	1078	rBV4	74582	158812	2.16%	0.290%
13	8.481	1083	1086	1090	rVV2	59223	83887	1.14%	0.153%
14	8.528	1090	1094	1103	rVB	150059	237971	3.24%	0.434%
15	8.698	1118	1123	1127	rVV	342487	450543	6.13%	0.823%
16	8.792	1136	1139	1143	rVB2	65722	83813	1.14%	0.153%
17	8.986	1167	1172	1173	rBV2	70143	98345	1.34%	0.180%
18	9.063	1181	1185	1188	rBV	67494	77930	1.06%	0.142%
19	9.128	1193	1196	1199	rVV	192227	224866	3.06%	0.411%
20	9.181	1199	1205	1209	rVB	5047657	7026377	95.63%	12.829%
21	9.263	1214	1219	1224	rBV	548122	719770	9.80%	1.314%
22	9.581	1268	1273	1281	rVB2	158452	289845	3.94%	0.529%
23	9.792	1305	1309	1313	rVB	199483	245284	3.34%	0.448%
24	9.857	1313	1320	1325	rVB	1759246	2313587	31.49%	4.224%
25	10.569	1435	1441	1447	rBV	860677	1087363	14.80%	1.985%
26	10.639	1447	1453	1467	rBV	3406005	4560799	62.07%	8.327%
27	11.339	1567	1572	1579	rVV	1903833	2349662	31.98%	4.290%
28	11.410	1579	1584	1588	rVB2	91688	117421	1.60%	0.214%
29	11.874	1654	1663	1677	rBV2	801438	1315974	17.91%	2.403%
30	12.574	1774	1782	1790	rBV5	41354	126072	1.72%	0.230%
31	12.657	1791	1796	1808	rVV	201357	332185	4.52%	0.607%
32	12.927	1836	1842	1848	rBV	5453407	7347570	100.00%	13.416%
33	13.510	1937	1941	1948	rVB	50790	79378	1.08%	0.145%
34	13.833	1991	1996	2013	rBV	558557	907712	12.35%	1.657%
35	13.980	2015	2021	2029	rBV	1313759	1754927	23.88%	3.204%
36	14.163	2048	2052	2061	rVB	62364	84977	1.16%	0.155%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140998.D
Acq On : 27 Dec 2024 16:03
Operator : RC/JU
Sample : P5299-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-02

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	14.474	2101	2105	2119	rBV2	66412	127556	1.74%	0.233%
38	14.857	2167	2170	2177	rVB	57131	80869	1.10%	0.148%
39	15.445	2264	2270	2277	rBV	924074	1435631	19.54%	2.621%
40	15.992	2359	2363	2372	rVB4	42500	80034	1.09%	0.146%

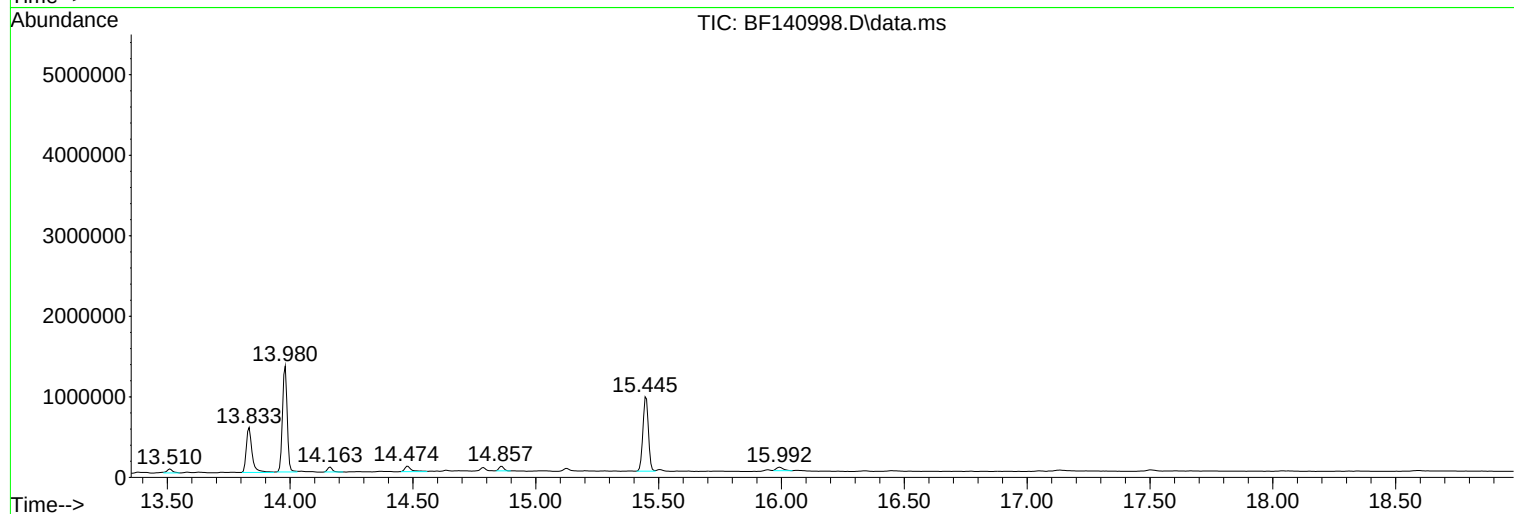
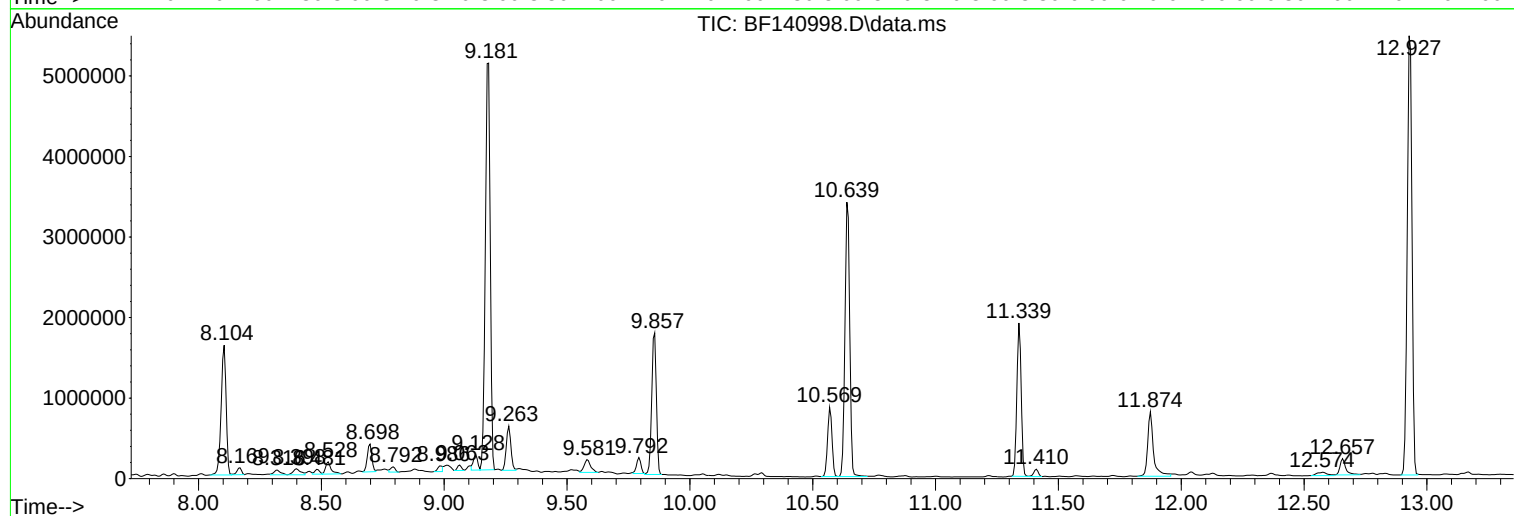
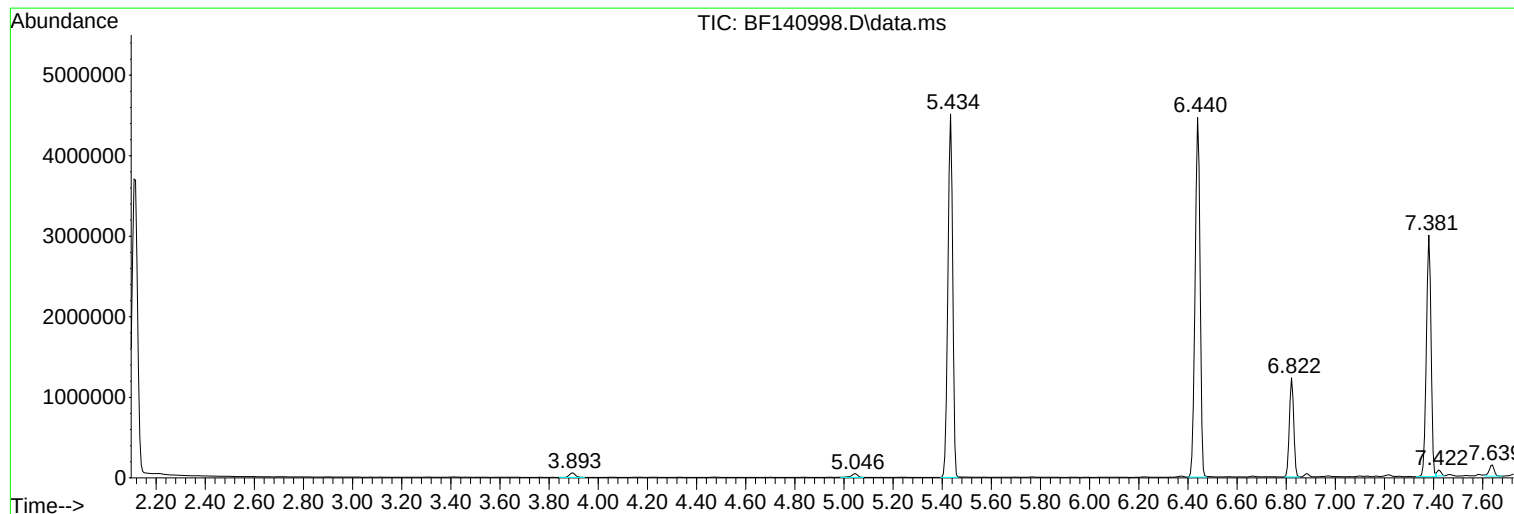
Sum of corrected areas: 54769155

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140998.D
Acq On : 27 Dec 2024 16:03
Operator : RC/JU
Sample : P5299-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140998.D
Acq On : 27 Dec 2024 16:03
Operator : RC/JU
Sample : P5299-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-02

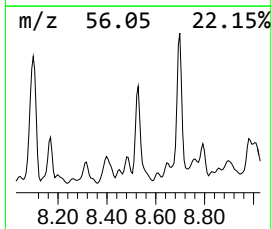
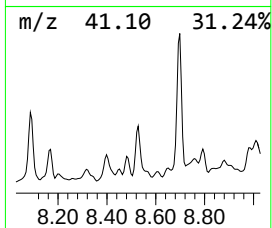
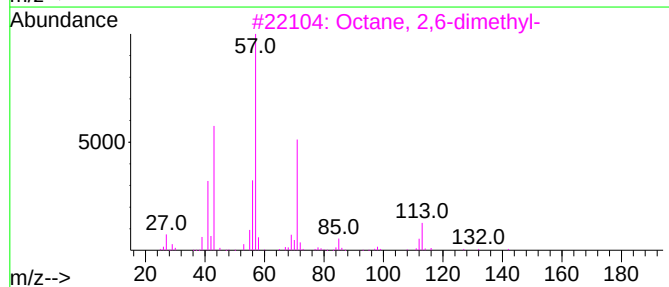
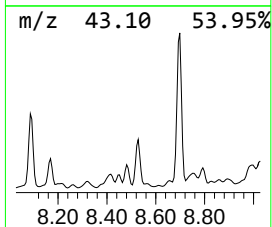
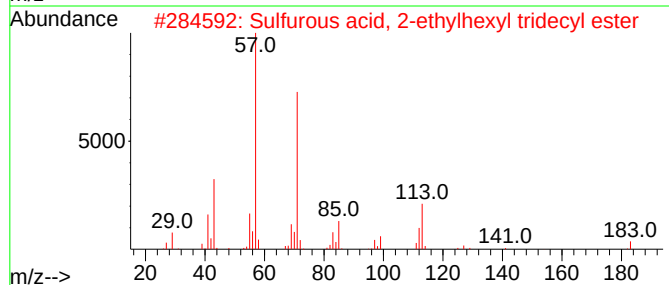
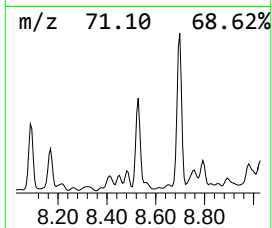
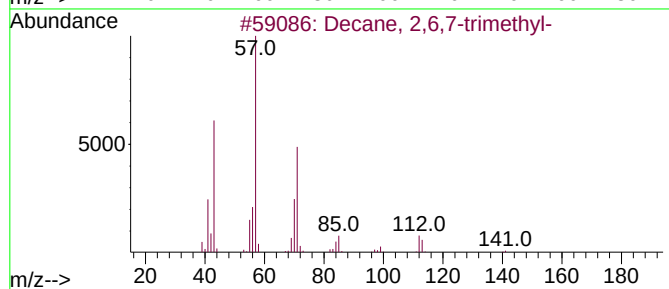
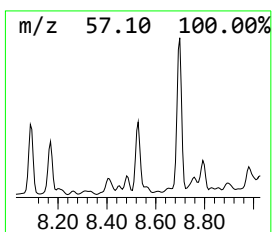
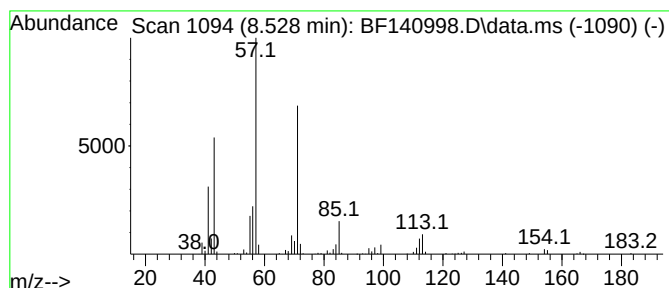
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Decane, 2,6,7-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.528	2.09 ng	237971	Naphthalene-d8	8.104

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Decane, 2,6,7-trimethyl-	184	C13H28	062108-25-2	78
2		Sulfurous acid, 2-ethylhexyl tri...	376	C21H44O3S	1000309-19-6	72
3		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	72
4		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	64
5		Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140998.D
Acq On : 27 Dec 2024 16:03
Operator : RC/JU
Sample : P5299-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-02

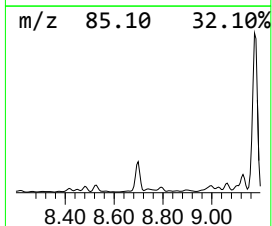
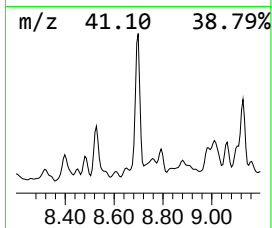
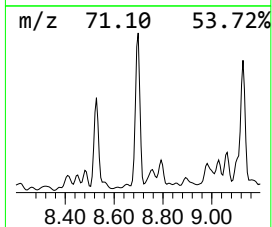
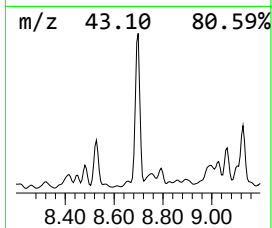
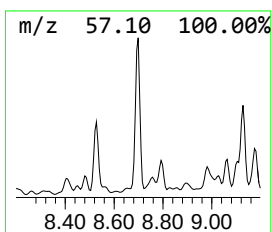
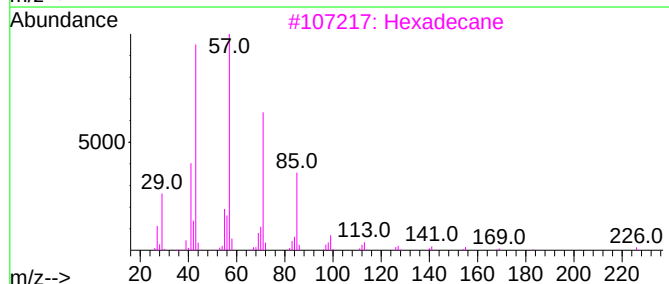
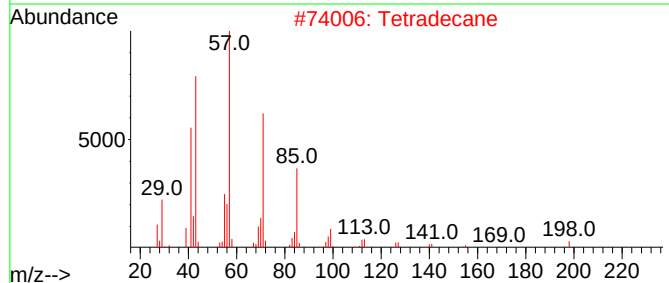
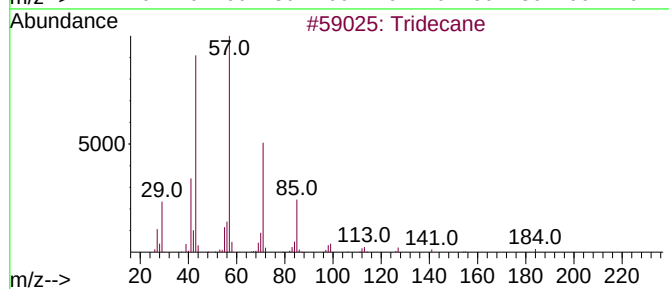
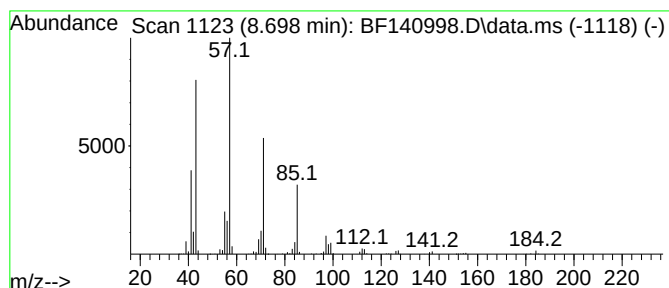
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Tridecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.698	3.95 ng	450543	Naphthalene-d8	8.104

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecane	184	C13H28	000629-50-5	93
2			Tetradecane	198	C14H30	000629-59-4	86
3			Hexadecane	226	C16H34	000544-76-3	80
4			Dodecane	170	C12H26	000112-40-3	78
5			Pentadecane	212	C15H32	000629-62-9	78



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140998.D
Acq On : 27 Dec 2024 16:03
Operator : RC/JU
Sample : P5299-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-02

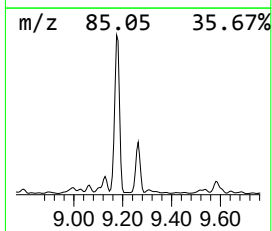
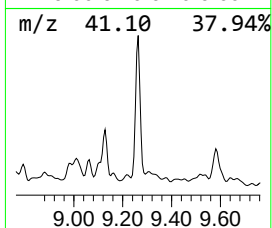
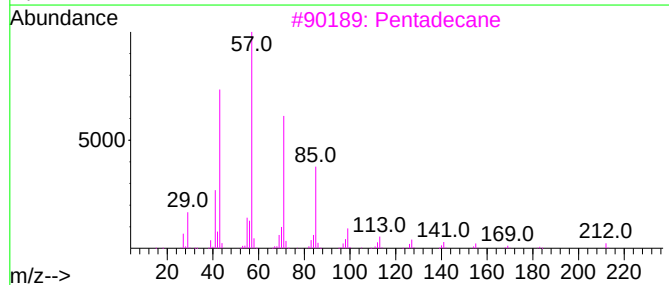
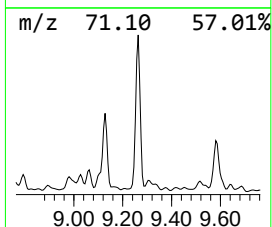
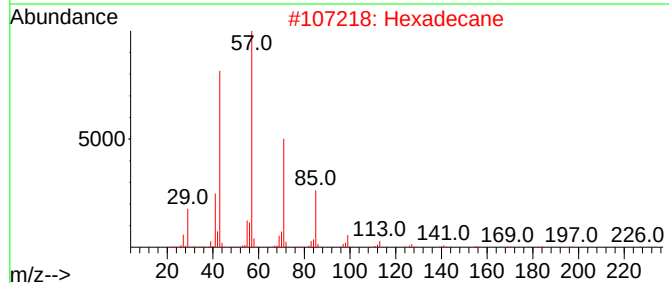
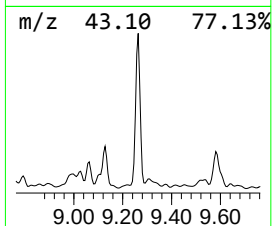
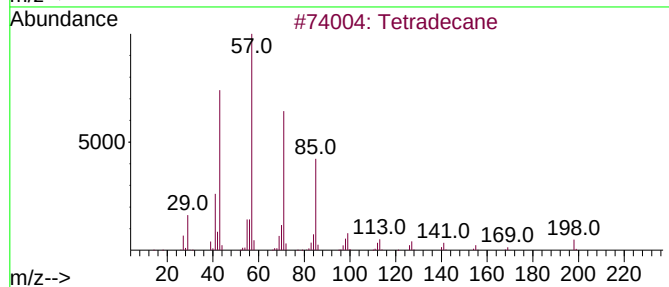
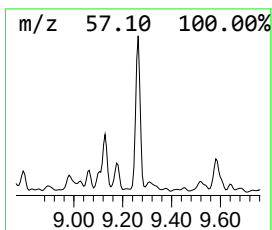
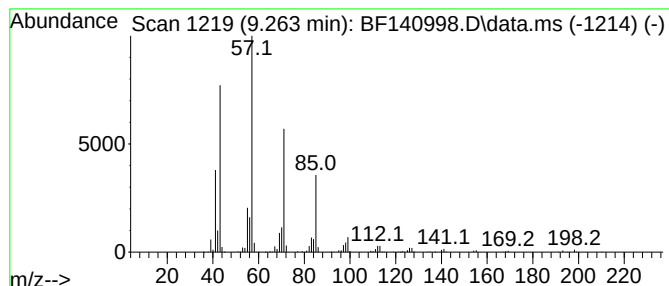
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Tetradecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.263	6.22 ng	719770	Acenaphthene-d10	9.857

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tetradecane	198	C14H30	000629-59-4	96
2			Hexadecane	226	C16H34	000544-76-3	91
3			Pentadecane	212	C15H32	000629-62-9	90
4			Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	80
5			Tridecane, 6-methyl-	198	C14H30	013287-21-3	74



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140998.D
Acq On : 27 Dec 2024 16:03
Operator : RC/JU
Sample : P5299-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-02

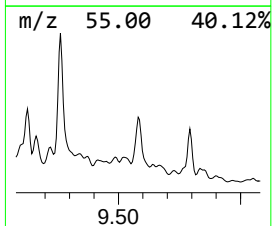
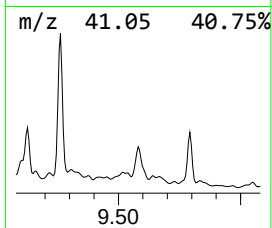
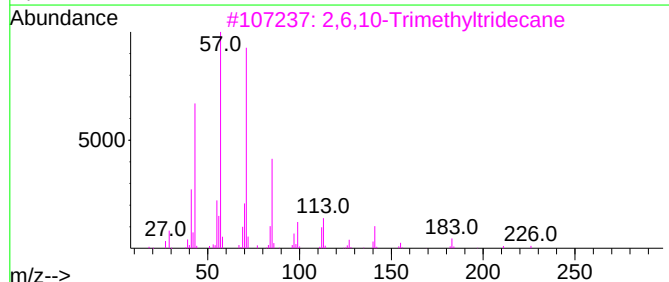
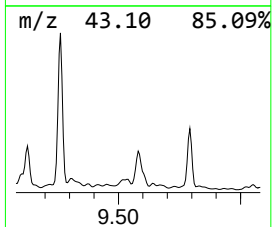
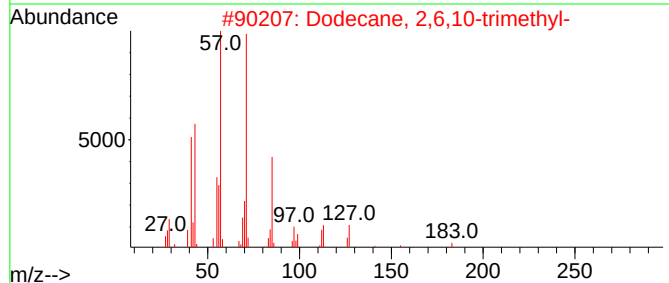
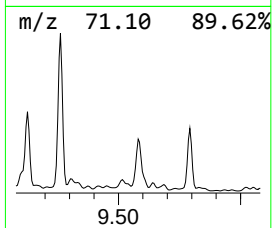
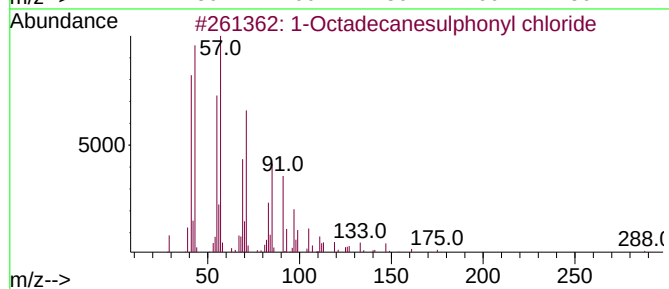
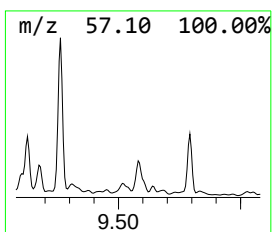
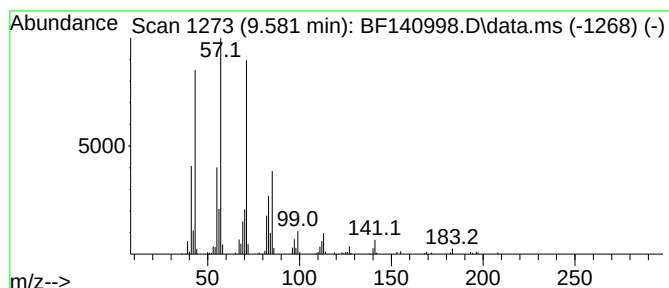
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 1-Octadecanesulphonyl chloride Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.581	2.51 ng	289845	Acenaphthene-d10	9.857

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-Octadecanesulphonyl chloride	352	C18H37ClO2S	1000342-70-4	90
2		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	83
3		2,6,10-Trimethyltridecane	226	C16H34	003891-99-4	80
4		Hexadecane	226	C16H34	000544-76-3	80
5		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	74



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140998.D
Acq On : 27 Dec 2024 16:03
Operator : RC/JU
Sample : P5299-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

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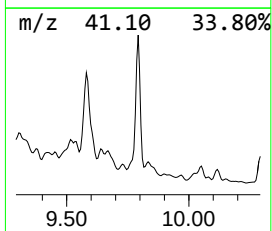
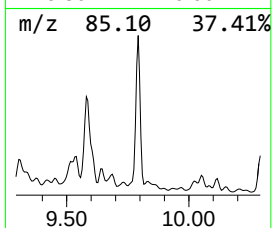
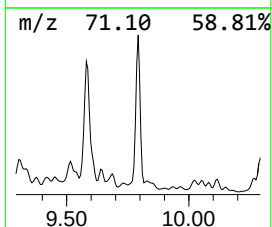
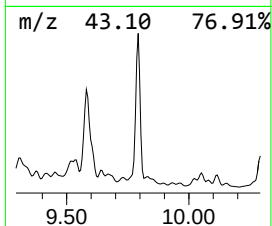
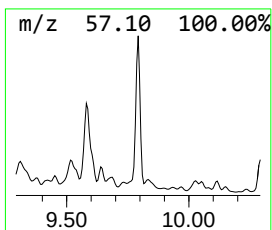
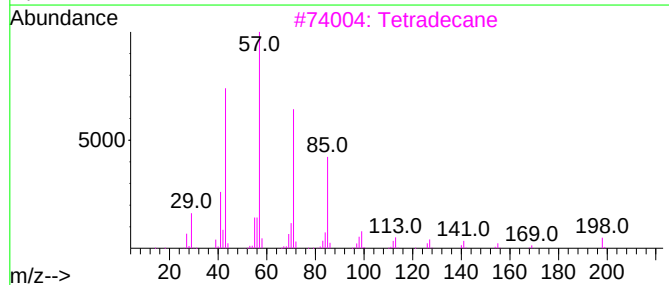
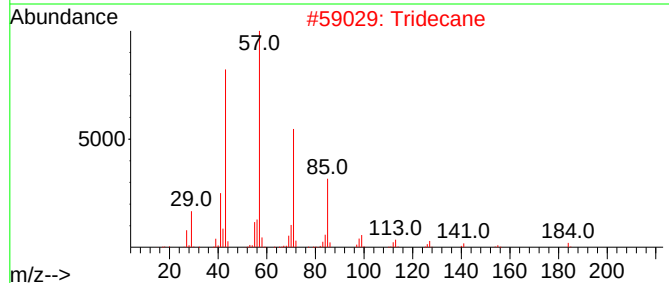
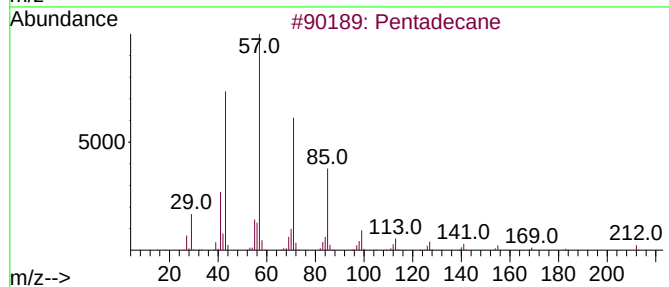
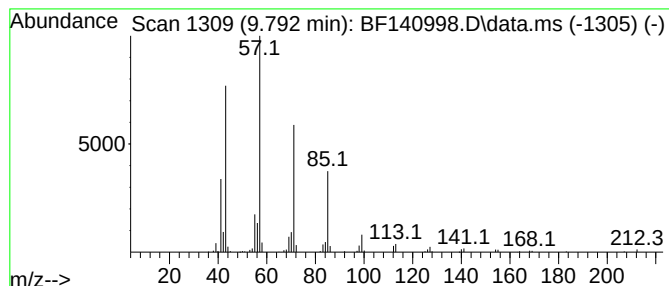
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Pentadecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.792	2.12 ng	245284	Acenaphthene-d10	9.857

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentadecane	212	C15H32	000629-62-9	95
2			Tridecane	184	C13H28	000629-50-5	90
3			Tetradecane	198	C14H30	000629-59-4	90
4			Hexadecane	226	C16H34	000544-76-3	90
5			Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	86



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140998.D
Acq On : 27 Dec 2024 16:03
Operator : RC/JU
Sample : P5299-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

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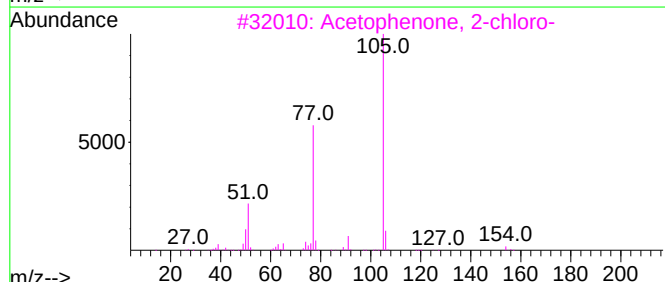
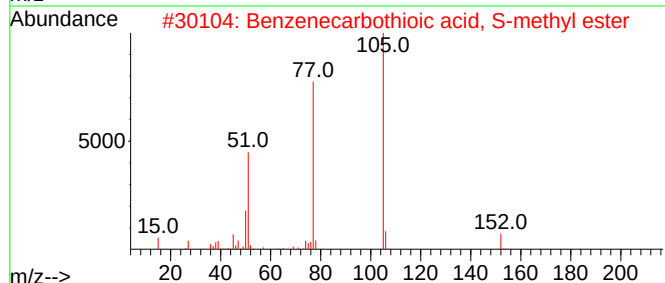
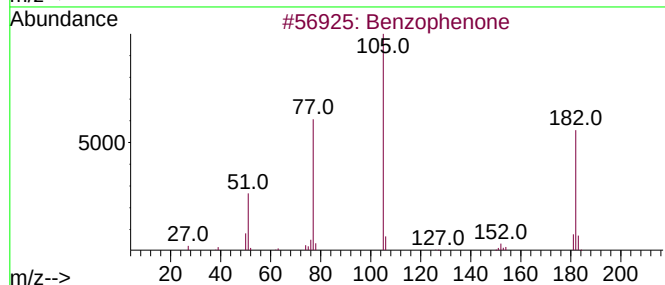
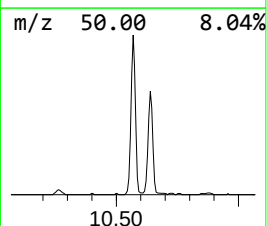
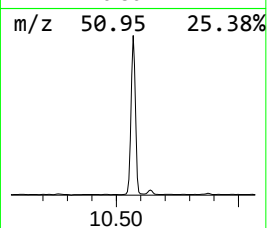
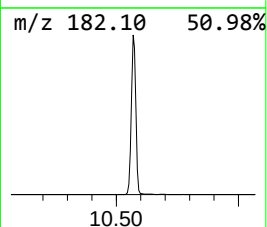
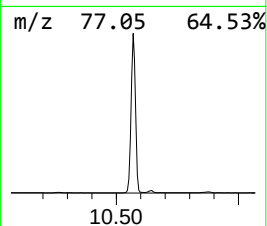
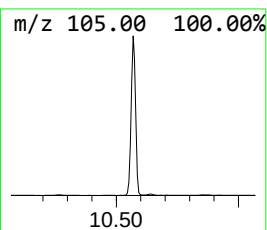
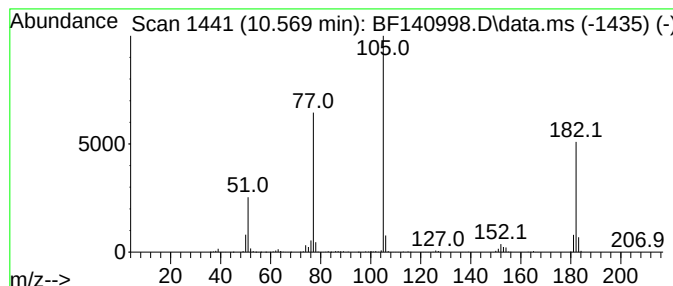
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.569	9.40 ng	1087360	Acenaphthene-d10	9.857

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	50
3			Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	49
4			1-Propanone, 2-bromo-1-phenyl-	212	C9H9BrO	002114-00-3	47
5			N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140998.D
Acq On : 27 Dec 2024 16:03
Operator : RC/JU
Sample : P5299-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

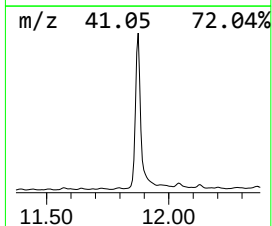
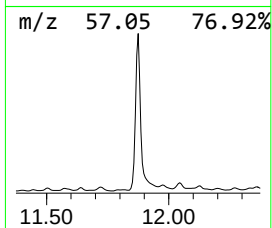
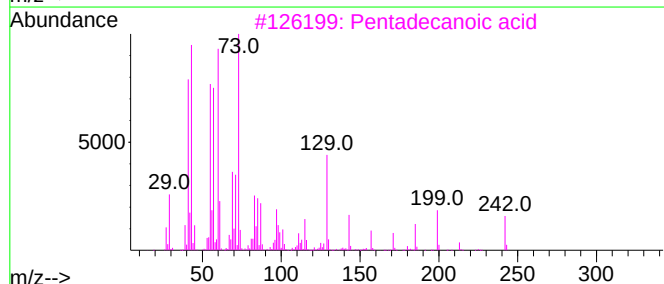
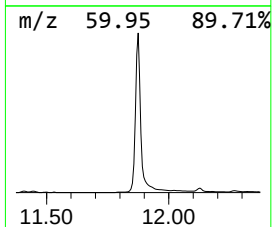
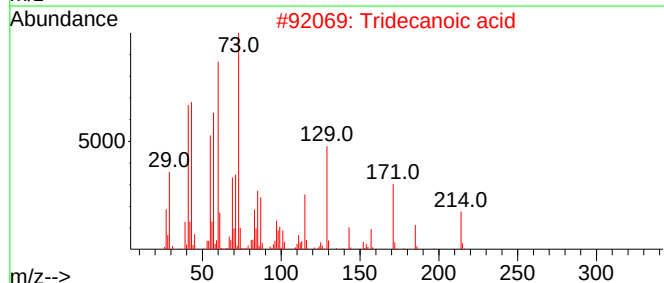
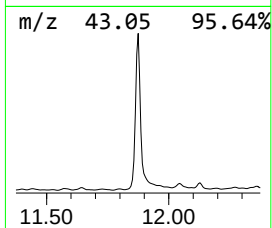
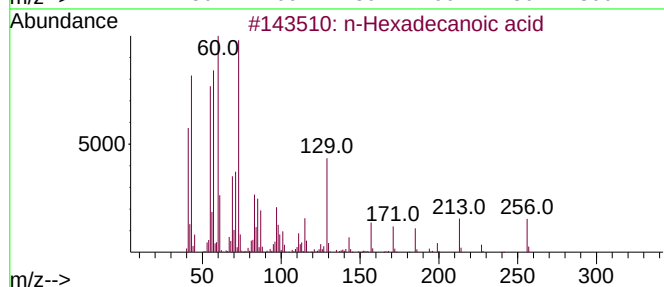
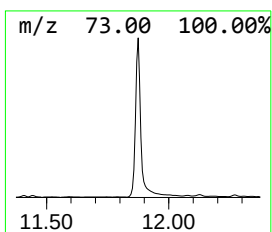
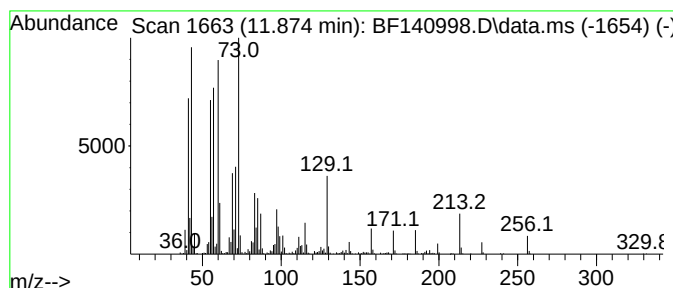
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.874	11.20 ng	1315970	Phenanthrene-d10	11.339	
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	95
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	93
4	Octadecanoic acid	284	C18H36O2	000057-11-4	76
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	74



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140998.D
Acq On : 27 Dec 2024 16:03
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Sample : P5299-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

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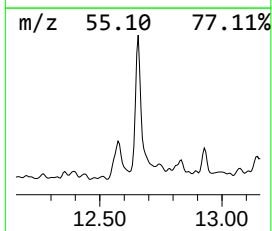
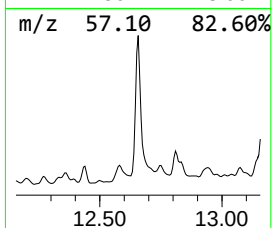
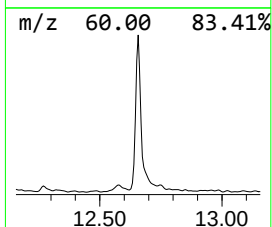
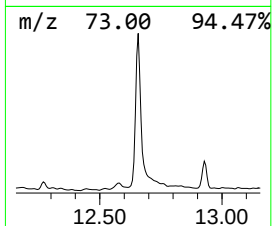
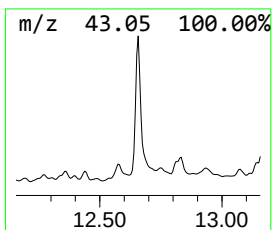
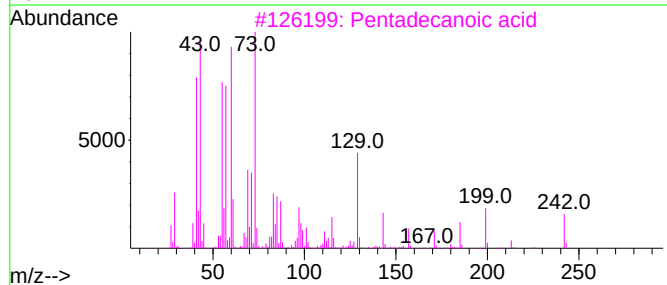
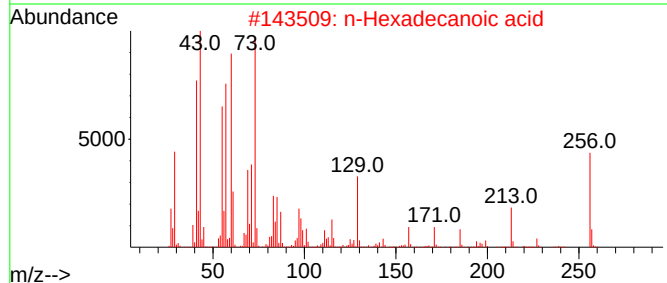
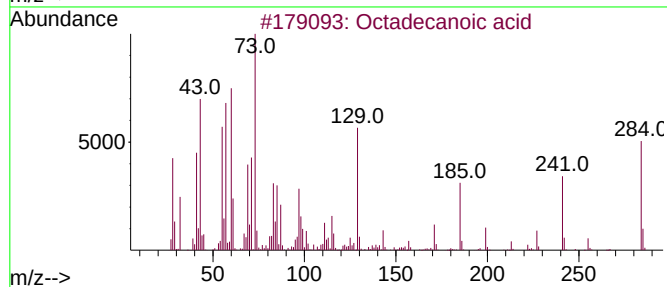
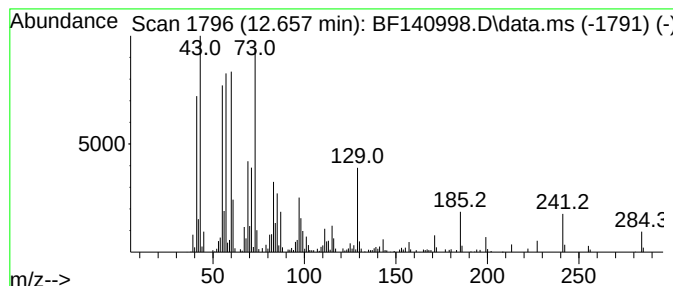
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Octadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.657	2.83 ng	332185	Phenanthrene-d10	11.339

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			Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	91
5			Tetradecanoic acid	228	C14H28O2	000544-63-8	83



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
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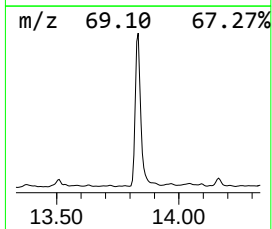
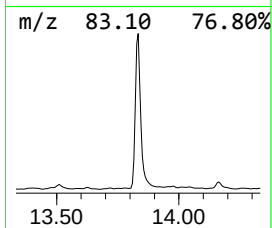
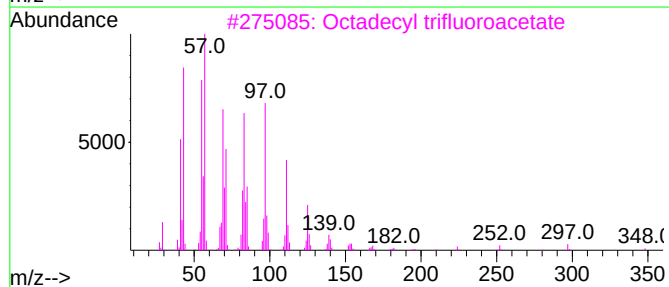
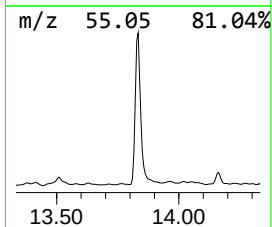
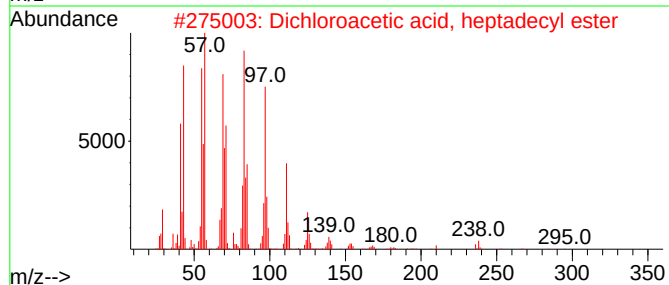
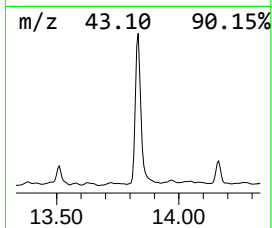
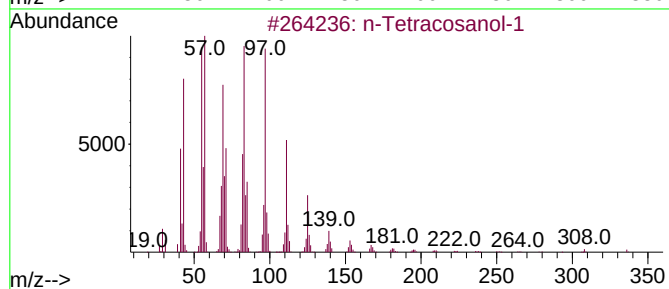
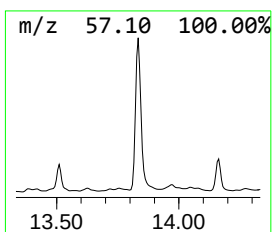
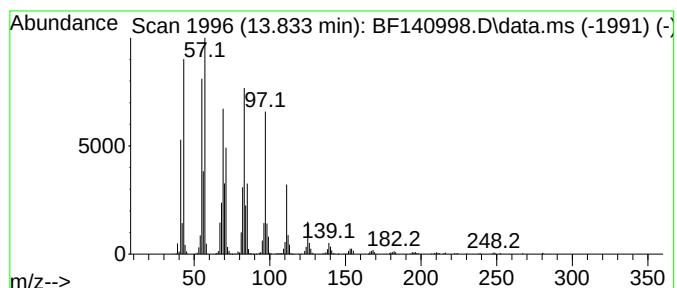
Instrument :
BNA_F
ClientSampleId :
SB-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 n-Tetracosanol-1 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.833	10.34 ng	907712	Chrysene-d12	13.980	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Tetracosanol-1	354	C24H50O	000506-51-4	94
2	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	94
3	Octadecyl trifluoroacetate	366	C20H37F3O2	079392-43-1	94
4	Octacosanol	410	C28H58O	000557-61-9	94
5	1-Hexacosene	364	C26H52	018835-33-1	94



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140998.D
Acq On : 27 Dec 2024 16:03
Operator : RC/JU
Sample : P5299-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.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
Decane, 2,6,7-t...	8.528	2.1	ng	237971	2	8.104	2281150	20.0
Tridecane	8.698	4.0	ng	450543	2	8.104	2281150	20.0
Tetradecane	9.263	6.2	ng	719770	3	9.857	2313590	20.0
1-Octadecanesul...	9.581	2.5	ng	289845	3	9.857	2313590	20.0
Pentadecane	9.792	2.1	ng	245284	3	9.857	2313590	20.0
Benzophenone	10.569	9.4	ng	1087360	3	9.857	2313590	20.0
n-Hexadecanoic ...	11.874	11.2	ng	1315970	4	11.339	2349660	20.0
Octadecanoic acid	12.657	2.8	ng	332185	4	11.339	2349660	20.0
n-Tetracosanol-1	13.833	10.3	ng	907712	5	13.980	1754930	20.0

Report of Analysis

Client:	Portal Partners Tri-Venture			Date Collected:	12/15/24		
Project:	Amtrak Sawtooth Bridges 2024			Date Received:	12/16/24		
Client Sample ID:	SB-01			SDG No.:	P5299		
Lab Sample ID:	P5299-03			Matrix:	SOIL		
Analytical Method:	SW8270			% Solid:	68.8		
Sample Wt/Vol:	30.07	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
BF140997.D	1	12/18/24 08:56	12/27/24 15:26	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	260	U	260	480	ug/Kg
108-95-2	Phenol	120	U	120	250	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	120	U	120	250	ug/Kg
95-57-8	2-Chlorophenol	120	U	120	250	ug/Kg
95-48-7	2-Methylphenol	120	U	120	250	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	130	U	130	250	ug/Kg
98-86-2	Acetophenone	130	U	130	250	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	480	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	58.4	U	58.4	120	ug/Kg
67-72-1	Hexachloroethane	120	U	120	250	ug/Kg
98-95-3	Nitrobenzene	130	U	130	250	ug/Kg
78-59-1	Isophorone	120	U	120	250	ug/Kg
88-75-5	2-Nitrophenol	140	U	140	250	ug/Kg
105-67-9	2,4-Dimethylphenol	140	U	140	250	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	120	U	120	250	ug/Kg
120-83-2	2,4-Dichlorophenol	110	U	110	250	ug/Kg
91-20-3	Naphthalene	120	U	120	250	ug/Kg
106-47-8	4-Chloroaniline	120	U	120	250	ug/Kg
87-68-3	Hexachlorobutadiene	120	U	120	250	ug/Kg
105-60-2	Caprolactam	130	U	130	480	ug/Kg
59-50-7	4-Chloro-3-methylphenol	110	U	110	250	ug/Kg
91-57-6	2-Methylnaphthalene	120	U	120	250	ug/Kg
77-47-4	Hexachlorocyclopentadiene	230	U	230	480	ug/Kg
88-06-2	2,4,6-Trichlorophenol	100	U	100	250	ug/Kg
95-95-4	2,4,5-Trichlorophenol	110	U	110	250	ug/Kg
92-52-4	1,1-Biphenyl	130	U	130	250	ug/Kg
91-58-7	2-Chloronaphthalene	120	U	120	250	ug/Kg
88-74-4	2-Nitroaniline	140	U	140	250	ug/Kg
131-11-3	Dimethylphthalate	120	U	120	250	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-01	SDG No.:	P5299
Lab Sample ID:	P5299-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	68.8
Sample Wt/Vol:	30.07 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
BF140997.D	1	12/18/24 08:56	12/27/24 15:26	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	130	U	130	250	ug/Kg
606-20-2	2,6-Dinitrotoluene	120	U	120	250	ug/Kg
99-09-2	3-Nitroaniline	130	UQ	130	250	ug/Kg
83-32-9	Acenaphthene	120	U	120	250	ug/Kg
51-28-5	2,4-Dinitrophenol	350	U	350	480	ug/Kg
100-02-7	4-Nitrophenol	170	U	170	480	ug/Kg
132-64-9	Dibenzofuran	120	U	120	250	ug/Kg
121-14-2	2,4-Dinitrotoluene	120	U	120	250	ug/Kg
84-66-2	Diethylphthalate	120	U	120	250	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	120	U	120	250	ug/Kg
86-73-7	Fluorene	120	U	120	250	ug/Kg
100-01-6	4-Nitroaniline	160	U	160	250	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	170	U	170	480	ug/Kg
86-30-6	n-Nitrosodiphenylamine	120	U	120	250	ug/Kg
101-55-3	4-Bromophenyl-phenylether	110	U	110	250	ug/Kg
118-74-1	Hexachlorobenzene	120	U	120	250	ug/Kg
1912-24-9	Atrazine	130	U	130	250	ug/Kg
87-86-5	Pentachlorophenol	110	U	110	480	ug/Kg
85-01-8	Phenanthrene	120	U	120	250	ug/Kg
120-12-7	Anthracene	120	U	120	250	ug/Kg
86-74-8	Carbazole	120	U	120	250	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	250	ug/Kg
206-44-0	Fluoranthene	120	U	120	250	ug/Kg
129-00-0	Pyrene	120	U	120	250	ug/Kg
85-68-7	Butylbenzylphthalate	140	U	140	250	ug/Kg
91-94-1	3,3-Dichlorobenzidine	140	UQ	140	480	ug/Kg
56-55-3	Benzo(a)anthracene	120	U	120	250	ug/Kg
218-01-9	Chrysene	120	U	120	250	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	130	U	130	250	ug/Kg
117-84-0	Di-n-octyl phthalate	160	U	160	480	ug/Kg
205-99-2	Benzo(b)fluoranthene	120	U	120	250	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-01	SDG No.:	P5299
Lab Sample ID:	P5299-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	68.8
Sample Wt/Vol:	30.07 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
BF140997.D	1	12/18/24 08:56	12/27/24 15:26	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	120	U	120	250	ug/Kg
50-32-8	Benzo(a)pyrene	130	U	130	250	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	U	110	250	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	120	U	120	250	ug/Kg
191-24-2	Benzo(g,h,i)perylene	120	U	120	250	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	130	U	130	250	ug/Kg
123-91-1	1,4-Dioxane	160	U	160	250	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	110	U	110	250	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	149		30 (18) - 130 (112)	99%	SPK: 150
13127-88-3	Phenol-d6	144		30 (15) - 130 (107)	96%	SPK: 150
4165-60-0	Nitrobenzene-d5	125		30 (18) - 130 (107)	125%	SPK: 100
321-60-8	2-Fluorobiphenyl	89.3		30 (20) - 130 (109)	89%	SPK: 100
118-79-6	2,4,6-Tribromophenol	172		30 (10) - 130 (116)	115%	SPK: 150
1718-51-0	Terphenyl-d14	82.8		30 (10) - 130 (105)	83%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	239000	6.828
1146-65-2	Naphthalene-d8	956000	8.104
15067-26-2	Acenaphthene-d10	516000	9.857
1517-22-2	Phenanthrene-d10	914000	11.339
1719-03-5	Chrysene-d12	692000	13.974
1520-96-3	Perylene-d12	585000	15.433

TENTATIVE IDENTIFIED COMPOUNDS

000124-18-5	Decane	110	J	6.66	ug/Kg
017301-23-4	Undecane, 2,6-dimethyl-	100	J	8.17	ug/Kg
	unknown8.404	280	J	8.40	ug/Kg
001560-97-0	Dodecane, 2-methyl-	110	J	8.49	ug/Kg
061141-72-8	Dodecane, 4,6-dimethyl-	350	J	8.53	ug/Kg
000629-50-5	Tridecane	940	J	8.70	ug/Kg
001560-98-1	Octacosane, 2-methyl-	170	J	8.79	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-01	SDG No.:	P5299
Lab Sample ID:	P5299-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	68.8
Sample Wt/Vol:	30.07 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
BF140997.D	1	12/18/24 08:56	12/27/24 15:26	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
013287-21-3	Tridecane, 6-methyl-	360	J		8.99	ug/Kg
013187-99-0	2-Bromo dodecane	280	J		9.06	ug/Kg
006418-41-3	Tridecane, 3-methyl-	200	J		9.10	ug/Kg
003891-98-3	Dodecane, 2,6,10-trimethyl-	650	J		9.13	ug/Kg
000629-59-4	Tetradecane	2200	J		9.26	ug/Kg
003891-99-4	2,6,10-Trimethyltridecane	870	J		9.58	ug/Kg
000629-62-9	Pentadecane	920	J		9.79	ug/Kg
000544-76-3	Hexadecane	200	J		10.3	ug/Kg
000119-61-9	Benzophenone	390	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	920	J		11.9	ug/Kg
000593-39-5	6-Octadecenoic acid, (Z)-	210	J		12.6	ug/Kg
000057-11-4	Octadecanoic acid	380	J		12.7	ug/Kg
074685-30-6	5-Eicosene, (E)-	350	J		13.8	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_F\Data\BF122724\
Data File : BF140997.D
Acq On : 27 Dec 2024 15:26
Operator : RC/JU
Sample : P5299-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-01

Quant Time: Dec 27 15:55:22 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	238907	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	955704	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	516337	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	913709	20.000	ng	0.00
76) Chrysene-d12	13.974	240	692228	20.000	ng	-0.01
86) Perylene-d12	15.433	264	585265	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	2358477	148.808	ng	0.00
7) Phenol-d6	6.445	99	2945330	144.258	ng	0.00
23) Nitrobenzene-d5	7.386	82	1873347	125.408	ng	0.00
42) 2,4,6-Tribromophenol	10.645	330	862439	171.894	ng	0.00
45) 2-Fluorobiphenyl	9.180	172	2893279	89.277	ng	0.00
79) Terphenyl-d14	12.933	244	3450870	82.803	ng	0.00

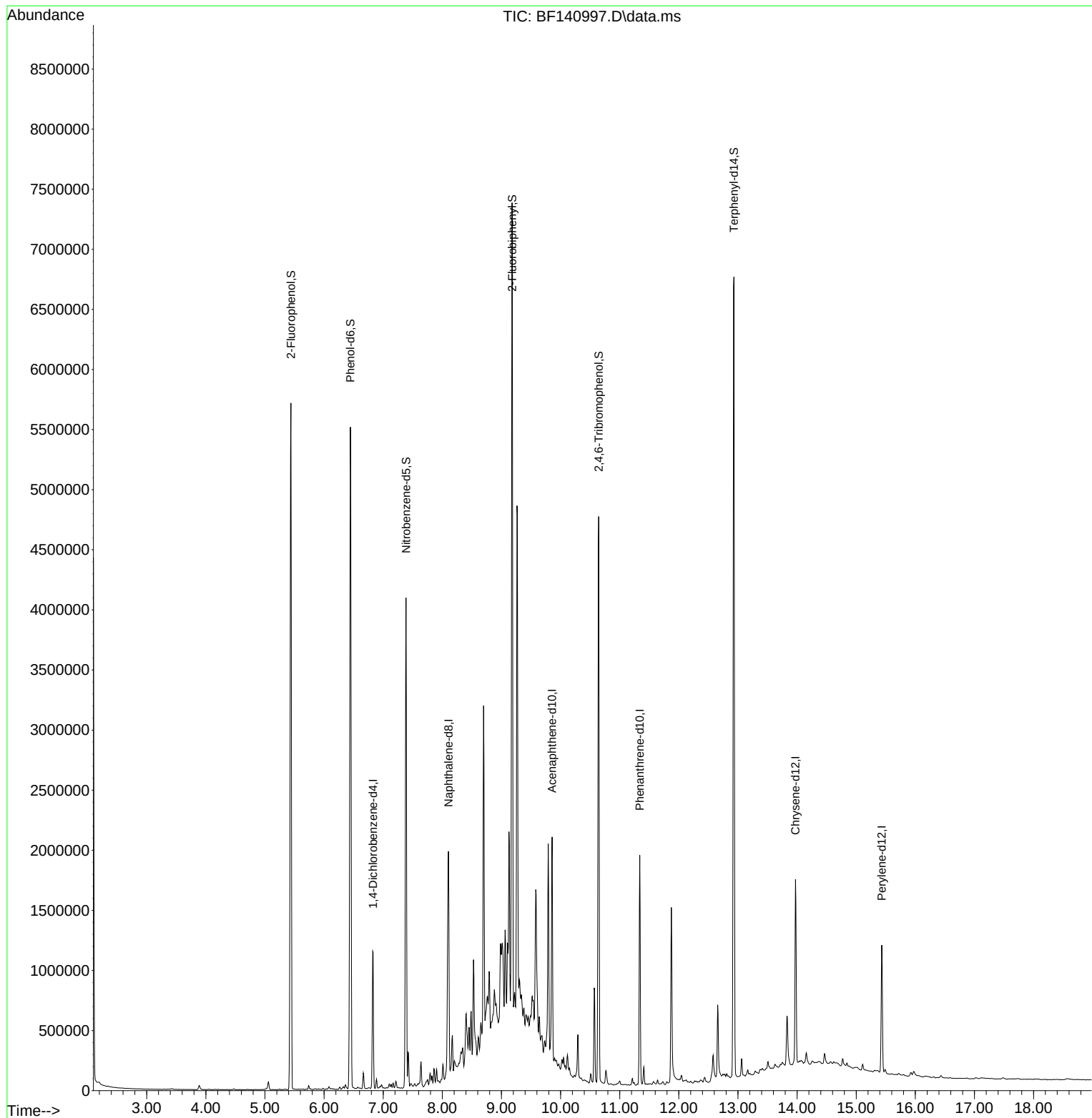
Target Compounds	Qvalue

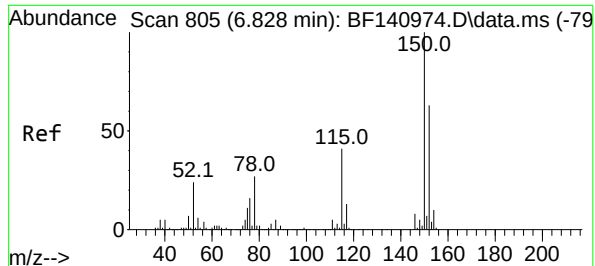
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140997.D
Acq On : 27 Dec 2024 15:26
Operator : RC/JU
Sample : P5299-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-01

Quant Time: Dec 27 15:55:22 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

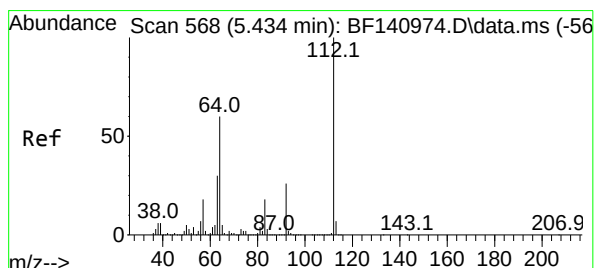
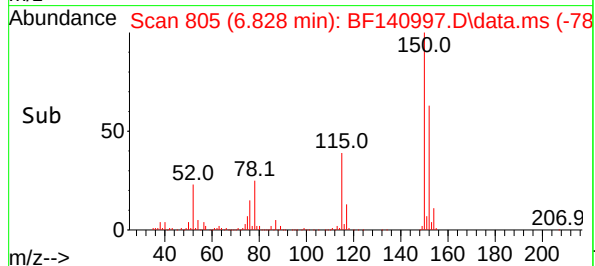
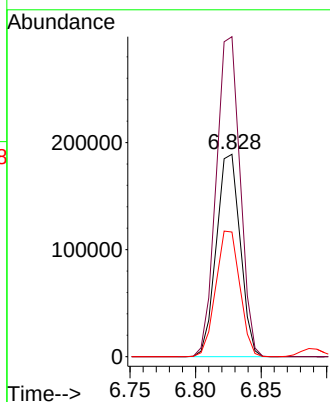
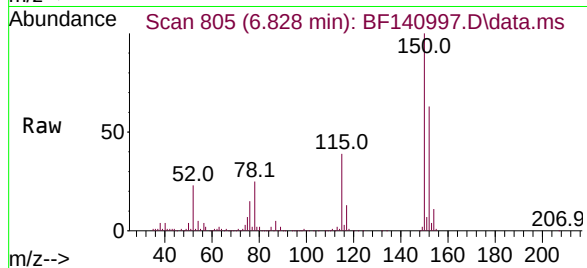




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF140997.D
Acq: 27 Dec 2024 15:26

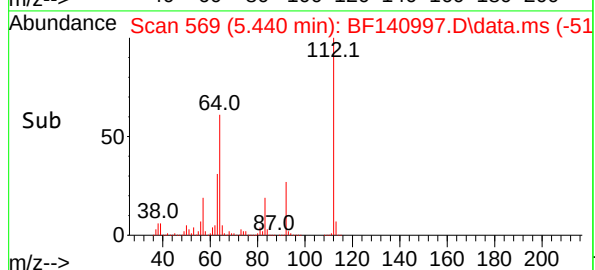
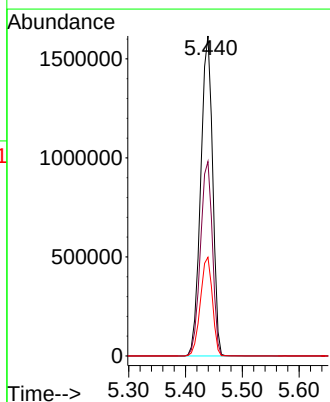
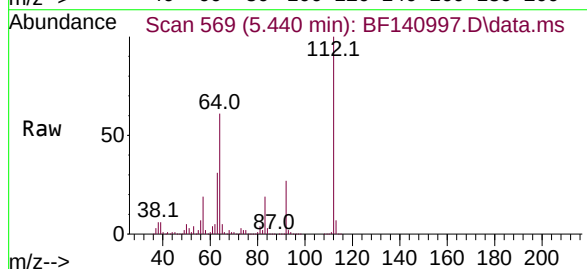
Instrument :
BNA_F
ClientSampleId :
SB-01

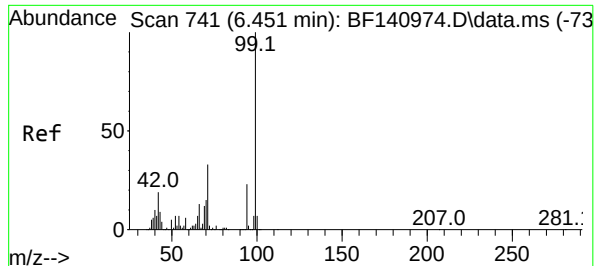
Tgt Ion:152 Resp: 238907
Ion Ratio Lower Upper
152 100
150 158.0 127.0 190.6
115 61.6 51.7 77.5



#5
2-Fluorophenol
Concen: 148.808 ng
RT: 5.440 min Scan# 569
Delta R.T. 0.006 min
Lab File: BF140997.D
Acq: 27 Dec 2024 15:26

Tgt Ion:112 Resp: 2358477
Ion Ratio Lower Upper
112 100
64 60.8 47.7 71.5
63 30.8 24.2 36.2





#7

Phenol-d6

Concen: 144.258 ng

RT: 6.445 min Scan# 741

Delta R.T. -0.006 min

Lab File: BF140997.D

Acq: 27 Dec 2024 15:26

Instrument :

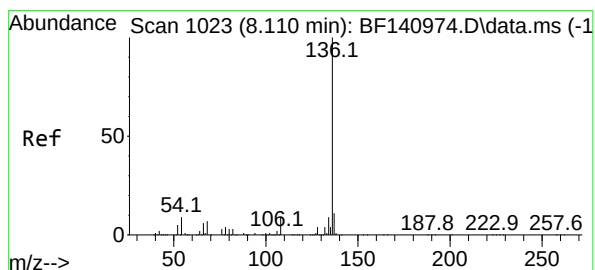
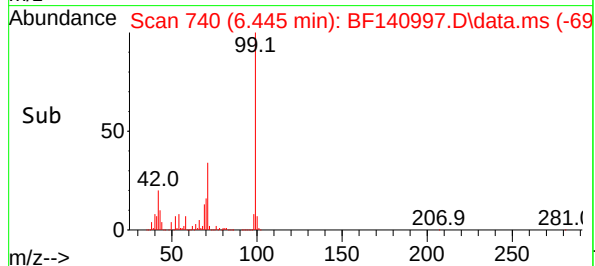
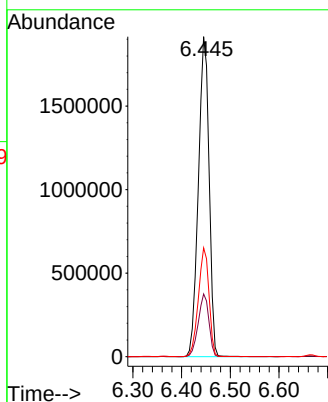
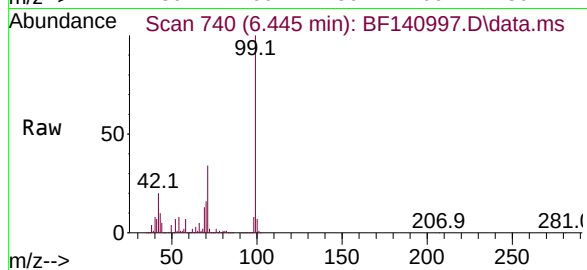
BNA_F

ClientSampleId :

SB-01

Tgt Ion: 99 Resp: 2945330

Ion	Ratio	Lower	Upper
99	100		
42	19.6	15.0	22.4
71	34.0	26.2	39.2



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.104 min Scan# 1022

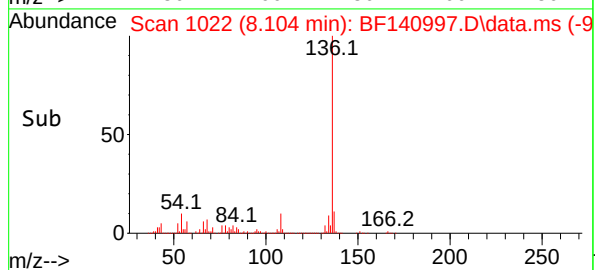
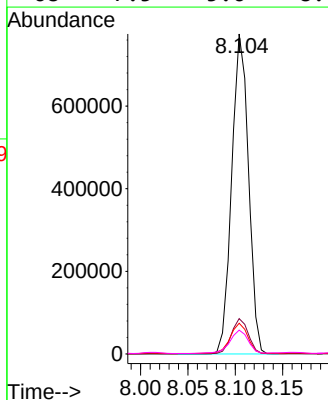
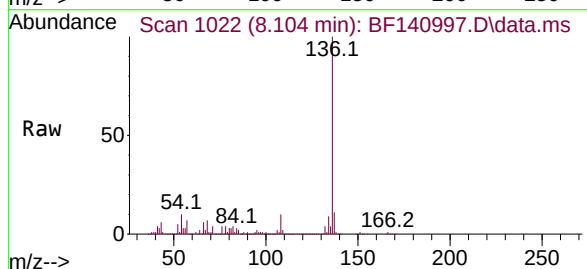
Delta R.T. -0.006 min

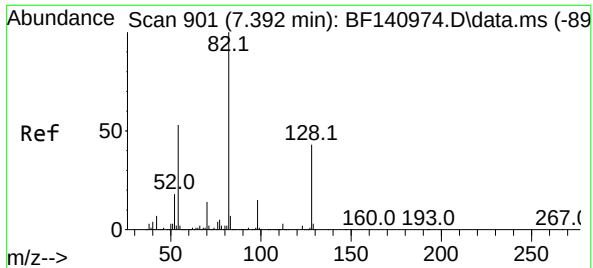
Lab File: BF140997.D

Acq: 27 Dec 2024 15:26

Tgt Ion: 136 Resp: 955704

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	9.6	7.6	11.4
68	7.5	5.6	8.4





#23

Nitrobenzene-d5

Concen: 125.408 ng

RT: 7.386 min Scan# 901

Delta R.T. -0.006 min

Lab File: BF140997.D

Acq: 27 Dec 2024 15:26

Instrument :

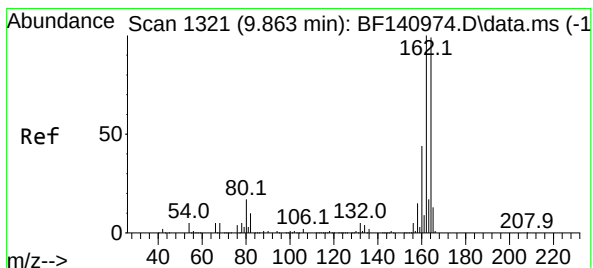
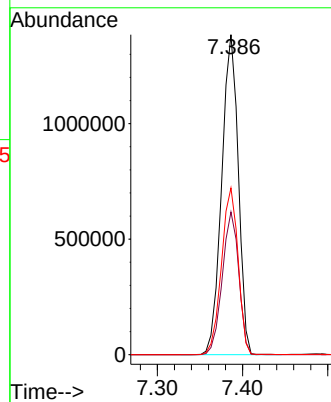
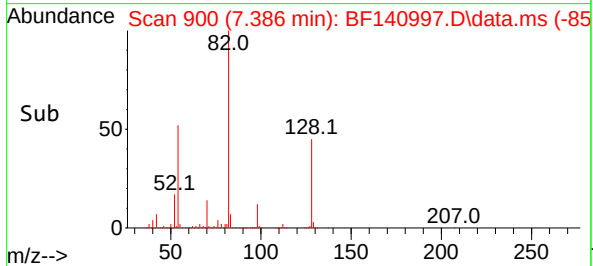
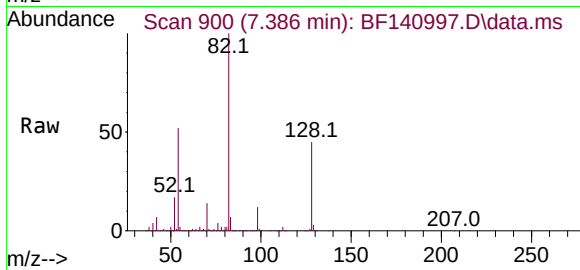
BNA_F

ClientSampleId :

SB-01

Tgt Ion: 82 Resp: 1873347

Ion	Ratio	Lower	Upper
82	100		
128	44.6	34.4	51.6
54	52.1	42.4	63.6



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.857 min Scan# 1320

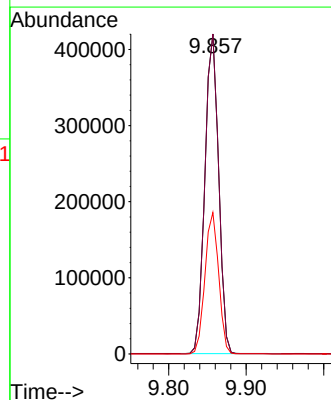
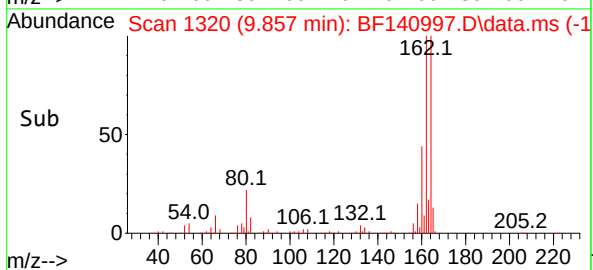
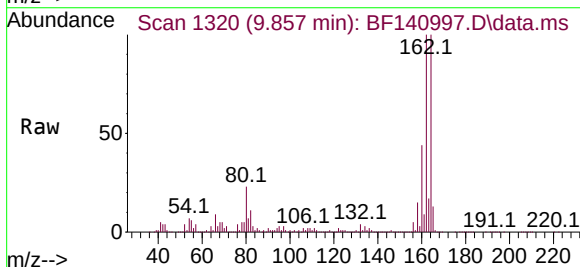
Delta R.T. -0.006 min

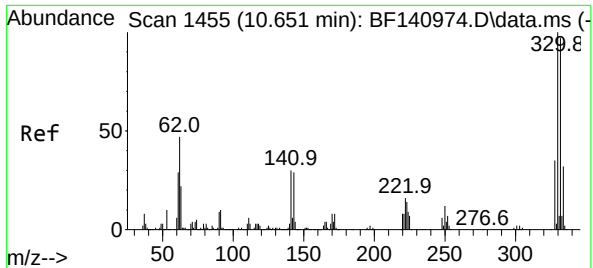
Lab File: BF140997.D

Acq: 27 Dec 2024 15:26

Tgt Ion: 164 Resp: 516337

Ion	Ratio	Lower	Upper
164	100		
162	99.9	80.6	120.8
160	44.2	35.7	53.5





#42

2,4,6-Tribromophenol

Concen: 171.894 ng

RT: 10.645 min Scan# 1455

Delta R.T. -0.006 min

Lab File: BF140997.D

Acq: 27 Dec 2024 15:26

Instrument :

BNA_F

ClientSampleId :

SB-01

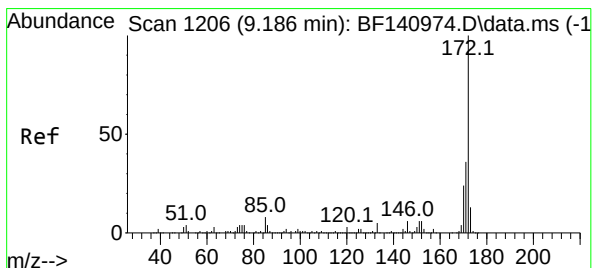
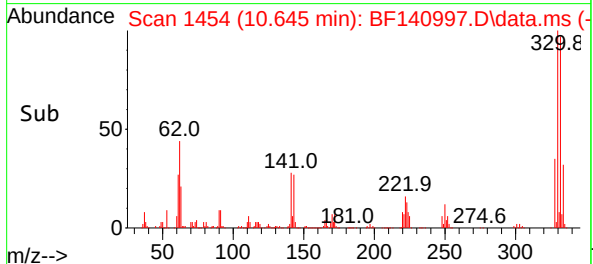
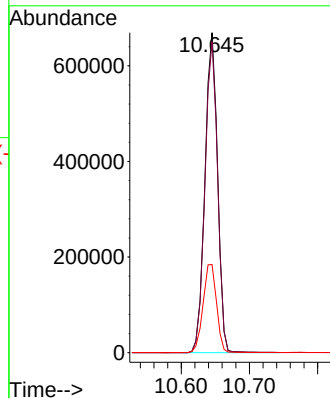
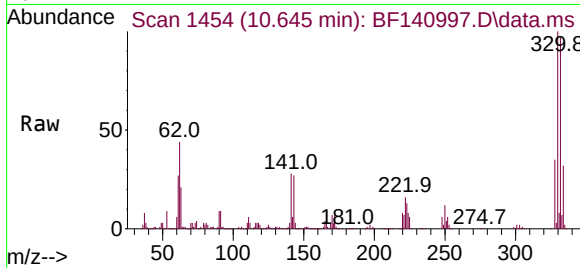
Tgt Ion:330 Resp: 862439

Ion Ratio Lower Upper

330 100

332 97.3 78.0 117.0

141 29.5 26.4 39.6



#45

2-Fluorobiphenyl

Concen: 89.277 ng

RT: 9.180 min Scan# 1205

Delta R.T. -0.006 min

Lab File: BF140997.D

Acq: 27 Dec 2024 15:26

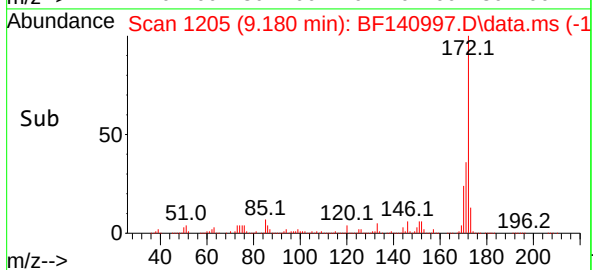
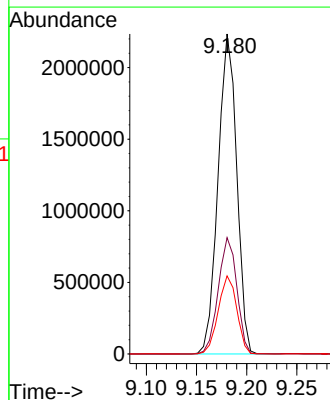
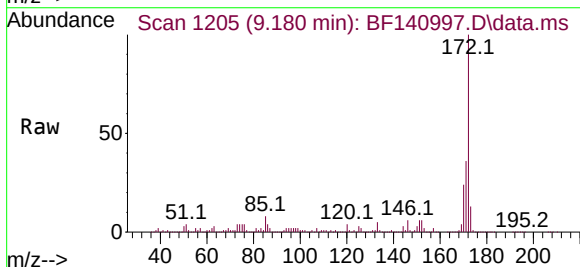
Tgt Ion:172 Resp: 2893279

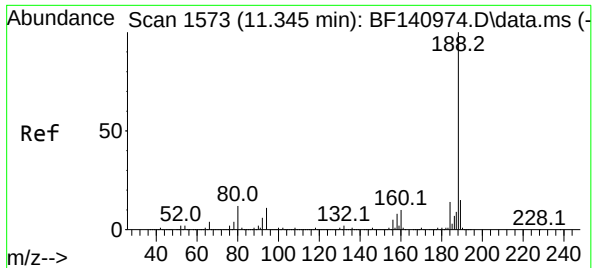
Ion Ratio Lower Upper

172 100

171 36.3 29.0 43.4

170 24.4 19.6 29.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.339 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140997.D

Acq: 27 Dec 2024 15:26

Instrument :

BNA_F

ClientSampleId :

SB-01

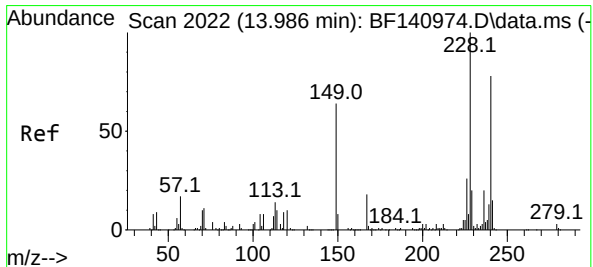
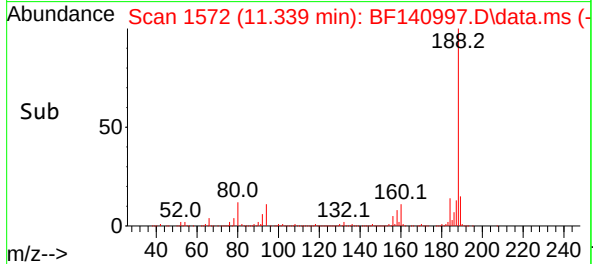
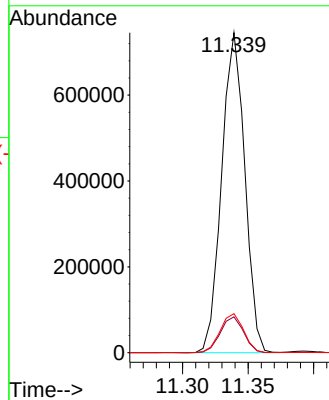
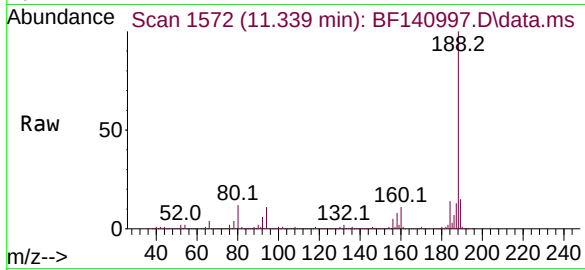
Tgt Ion:188 Resp: 913709

Ion Ratio Lower Upper

188 100

94 11.2 9.0 13.6

80 12.2 9.8 14.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.974 min Scan# 2020

Delta R.T. -0.012 min

Lab File: BF140997.D

Acq: 27 Dec 2024 15:26

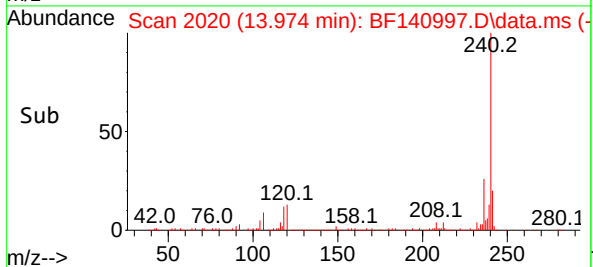
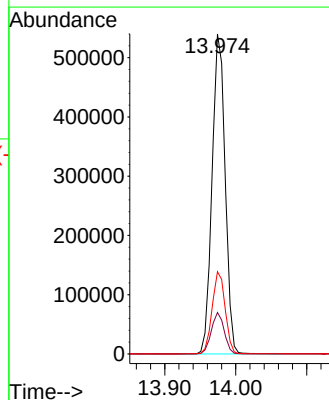
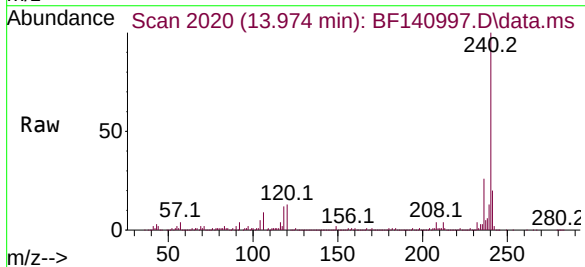
Tgt Ion:240 Resp: 692228

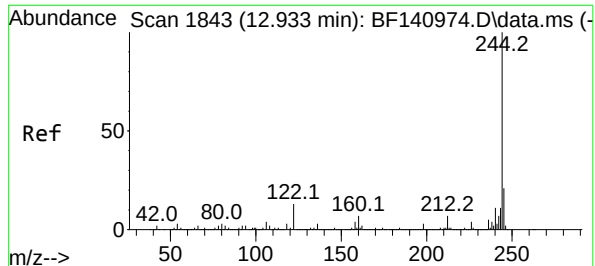
Ion Ratio Lower Upper

240 100

120 13.0 10.7 16.1

236 25.7 20.6 31.0





#79

Terphenyl-d14

Concen: 82.803 ng

RT: 12.933 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF140997.D

Acq: 27 Dec 2024 15:26

Instrument :

BNA_F

ClientSampleId :

SB-01

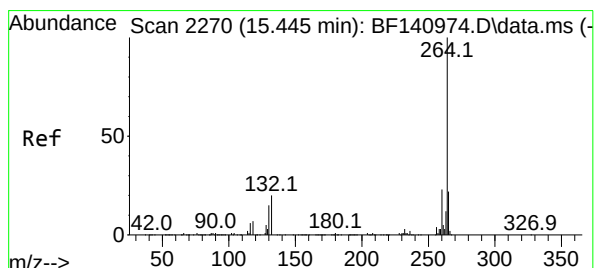
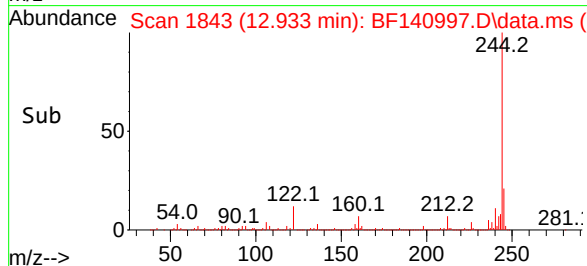
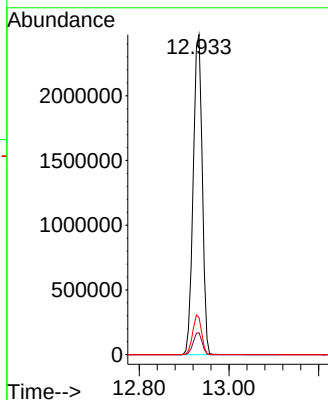
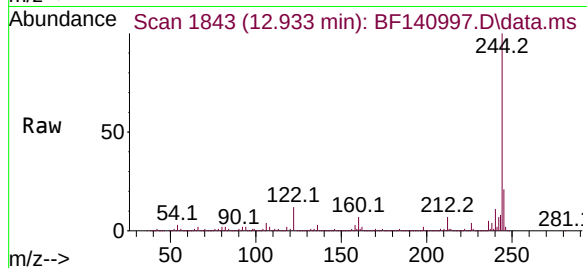
Tgt Ion:244 Resp: 3450870

Ion Ratio Lower Upper

244 100

212 6.8 5.7 8.5

122 11.7 10.2 15.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.433 min Scan# 2268

Delta R.T. -0.012 min

Lab File: BF140997.D

Acq: 27 Dec 2024 15:26

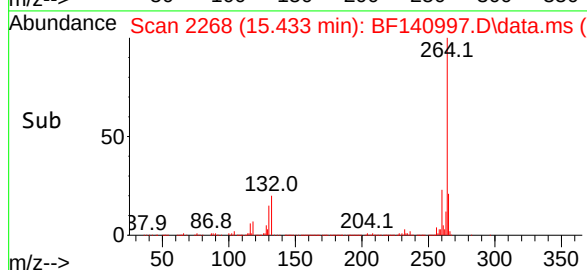
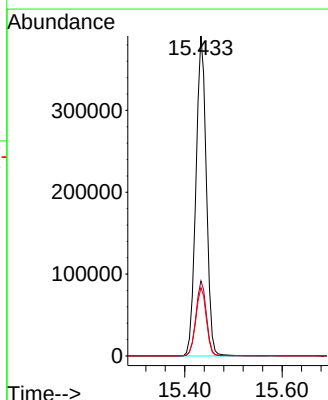
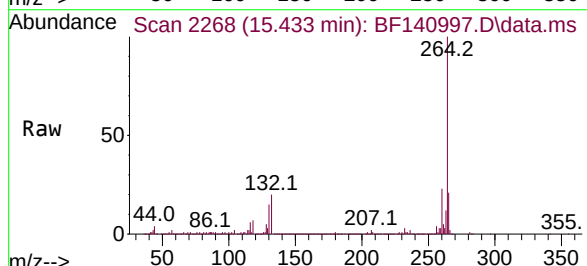
Tgt Ion:264 Resp: 585265

Ion Ratio Lower Upper

264 100

260 23.4 18.7 28.1

265 21.4 17.4 26.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
 Data File : BF140997.D
 Acq On : 27 Dec 2024 15:26
 Operator : RC/JU
 Sample : P5299-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-01

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF140997.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.057	499	504	511	rVB	64239	103763	1.11%	0.112%
2	5.440	561	569	574	rBV	5711654	8350835	89.26%	9.000%
3	6.445	732	740	753	rBV	5506639	8573909	91.65%	9.241%
4	6.663	773	777	784	rBV	131088	164660	1.76%	0.177%
5	6.822	797	804	811	rVB	1141313	1489285	15.92%	1.605%
6	6.886	811	815	819	rBV	78391	98918	1.06%	0.107%
7	7.386	890	900	904	rBV	4080861	5596498	59.82%	6.032%
8	7.422	904	906	910	rVB	286929	326042	3.49%	0.351%
9	7.639	936	943	950	rVB2	210093	319565	3.42%	0.344%
10	7.751	950	962	965	rBV6	60943	165447	1.77%	0.178%
11	7.792	965	969	972	rBV2	95360	143066	1.53%	0.154%
12	7.857	977	980	984	rVV	115849	139363	1.49%	0.150%
13	7.904	984	988	991	rBV	108941	128866	1.38%	0.139%
14	8.010	1002	1006	1010	rBV	127579	158201	1.69%	0.171%
15	8.104	1011	1022	1027	rBV2	1895287	3453985	36.92%	3.723%
16	8.169	1029	1033	1036	rVB	299589	369248	3.95%	0.398%
17	8.204	1036	1039	1047	rBV7	85705	203828	2.18%	0.220%
18	8.316	1054	1058	1060	rBV3	92505	144686	1.55%	0.156%
19	8.404	1066	1073	1078	rBV5	436480	984460	10.52%	1.061%
20	8.451	1078	1081	1084	rVV2	241205	265690	2.84%	0.286%
21	8.486	1084	1087	1090	rVB	361906	409930	4.38%	0.442%
22	8.528	1090	1094	1104	rVB	792883	1261553	13.49%	1.360%
23	8.610	1104	1108	1111	rBV4	148301	210020	2.24%	0.226%
24	8.651	1111	1115	1118	rBV3	225165	362735	3.88%	0.391%
25	8.698	1118	1123	1127	rBV	2727136	3373198	36.06%	3.636%
26	8.792	1136	1139	1143	rVB	474025	623169	6.66%	0.672%
27	8.880	1151	1154	1157	rBV2	207959	266795	2.85%	0.288%
28	8.986	1168	1172	1174	rBV	617670	955335	10.21%	1.030%
29	9.063	1182	1185	1189	rBV	640155	729824	7.80%	0.787%
30	9.104	1189	1192	1193	rBV	507869	526196	5.62%	0.567%
31	9.128	1193	1196	1200	rVB	1412923	1720628	18.39%	1.854%
32	9.180	1200	1205	1209	rVB	6691995	8676042	92.74%	9.351%
33	9.222	1209	1212	1215	rBV	119913	115527	1.23%	0.125%
34	9.263	1215	1219	1224	rBV	4169927	5680798	60.72%	6.123%
35	9.522	1260	1263	1265	rBV2	157482	247694	2.65%	0.267%
36	9.580	1268	1273	1281	rVV3	1193469	2274239	24.31%	2.451%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140997.D
Acq On : 27 Dec 2024 15:26
Operator : RC/JU
Sample : P5299-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-01

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	9.639	1281	1283	1287	rVB	195676	209808	2.24%	0.226%
38	9.733	1295	1299	1301	rBV2	98489	156618	1.67%	0.169%
39	9.792	1302	1309	1313	rVV	1764362	2407205	25.73%	2.594%
40	9.857	1313	1320	1325	rVB	1863318	2540481	27.16%	2.738%
41	10.022	1345	1348	1351	rBV2	74311	114594	1.22%	0.124%
42	10.051	1351	1353	1356	rVV	93706	106976	1.14%	0.115%
43	10.116	1360	1364	1368	rVB4	125415	163030	1.74%	0.176%
44	10.292	1387	1394	1401	rVB2	365877	516006	5.52%	0.556%
45	10.510	1427	1431	1436	rBV	72748	104635	1.12%	0.113%
46	10.569	1436	1441	1448	rVB	784877	1017415	10.88%	1.097%
47	10.645	1448	1454	1459	rBV	4706233	6304503	67.39%	6.795%
48	10.769	1470	1475	1483	rVB2	115015	209999	2.24%	0.226%
49	11.339	1567	1572	1579	rBV	1905581	2368722	25.32%	2.553%
50	11.410	1579	1584	1588	rVB2	143141	183972	1.97%	0.198%
51	11.874	1657	1663	1684	rBV	1455890	2264922	24.21%	2.441%
52	12.580	1774	1783	1791	rBV2	214603	505499	5.40%	0.545%
53	12.657	1791	1796	1808	rVV	603862	934578	9.99%	1.007%
54	12.933	1836	1843	1848	rBV	6650693	9355118	100.00%	10.083%
55	13.063	1861	1865	1870	rBV	142857	182681	1.95%	0.197%
56	13.827	1991	1995	2006	rVB	401974	703993	7.53%	0.759%
57	13.974	2015	2020	2027	rVB	1521866	1964176	21.00%	2.117%
58	14.157	2048	2051	2061	rVB	95885	168548	1.80%	0.182%
59	14.462	2100	2103	2113	rVB2	81690	139926	1.50%	0.151%
60	15.433	2262	2268	2274	rBV	1055321	1546434	16.53%	1.667%

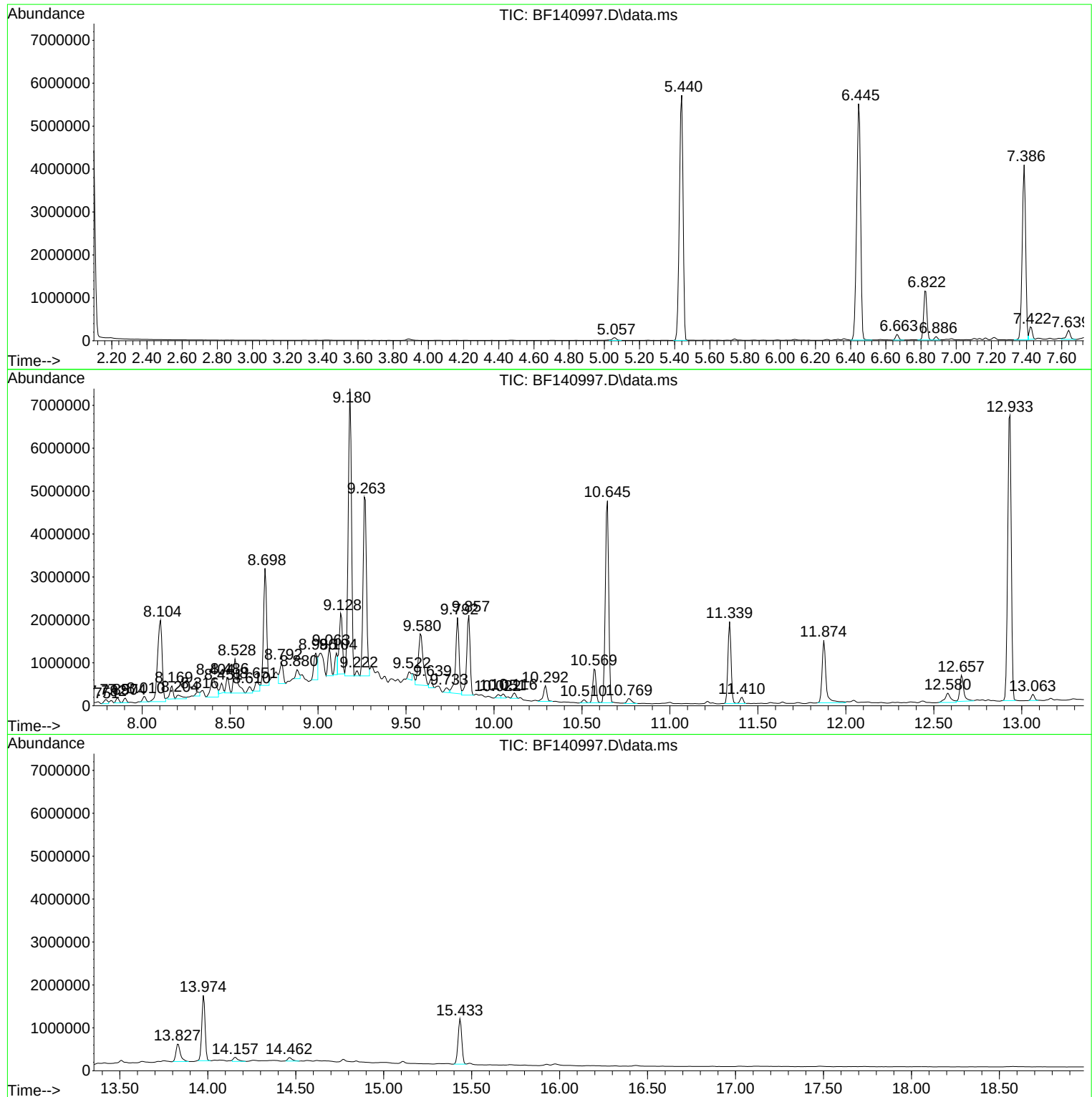
Sum of corrected areas: 92783837

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140997.D
Acq On : 27 Dec 2024 15:26
Operator : RC/JU
Sample : P5299-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140997.D
Acq On : 27 Dec 2024 15:26
Operator : RC/JU
Sample : P5299-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-01

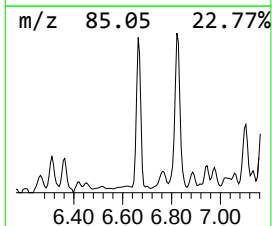
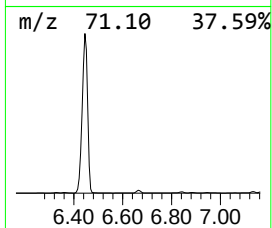
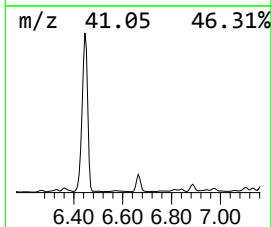
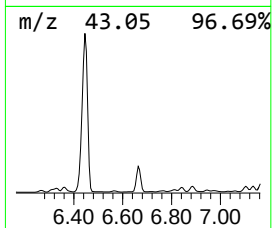
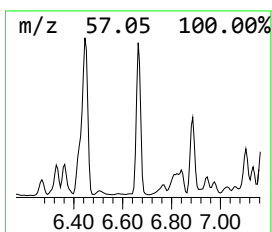
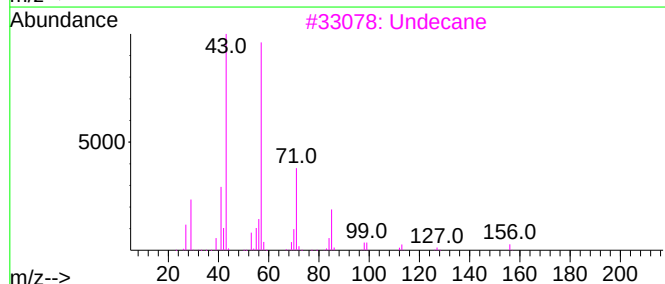
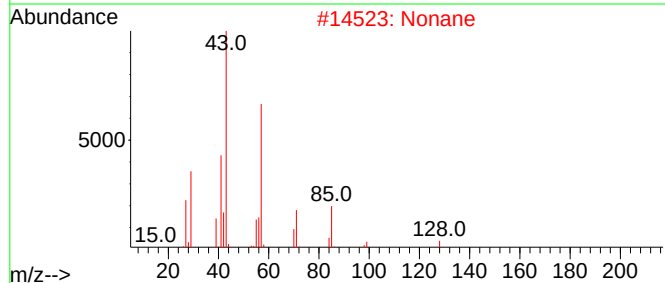
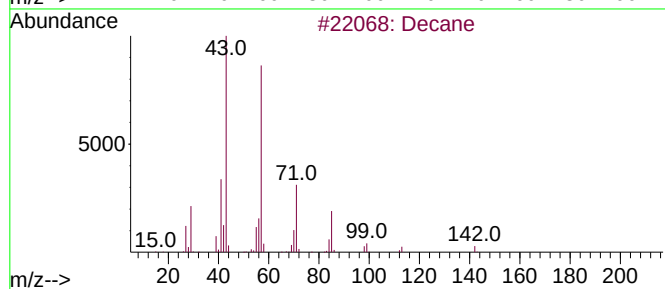
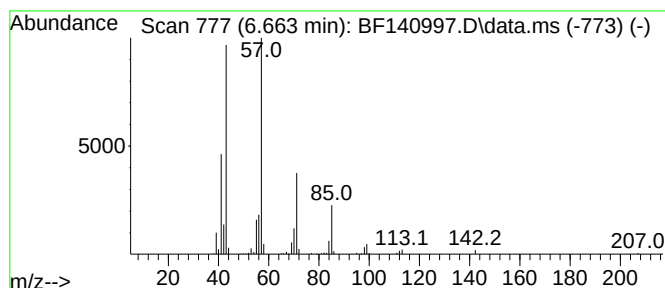
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Decane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.663	2.21 ng	164660	1,4-Dichlorobenzene-d4	6.828

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane	142	C10H22	000124-18-5	90
2			Nonane	128	C9H20	000111-84-2	90
3			Undecane	156	C11H24	001120-21-4	90
4			Dodecane	170	C12H26	000112-40-3	90
5			Hexadecane	226	C16H34	000544-76-3	83



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140997.D
Acq On : 27 Dec 2024 15:26
Operator : RC/JU
Sample : P5299-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-01

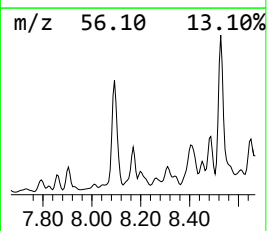
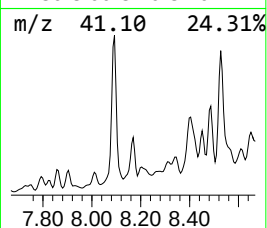
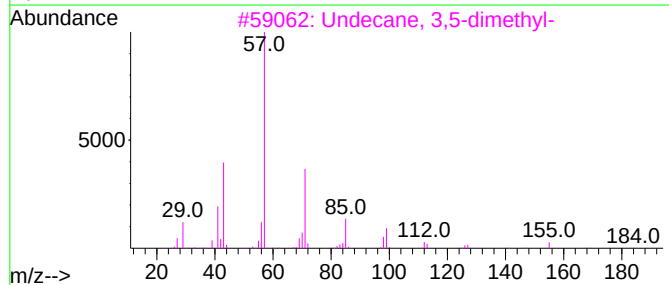
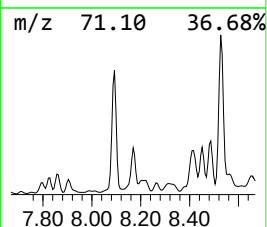
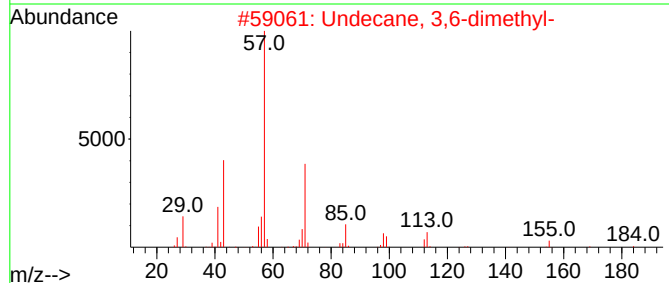
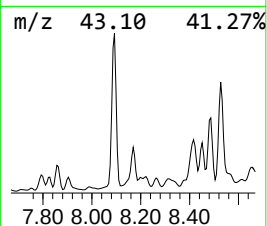
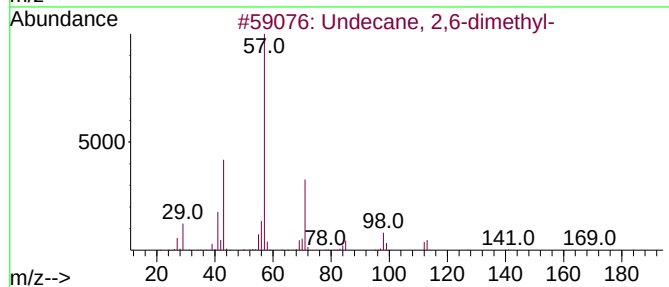
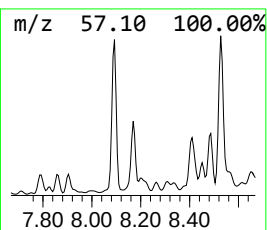
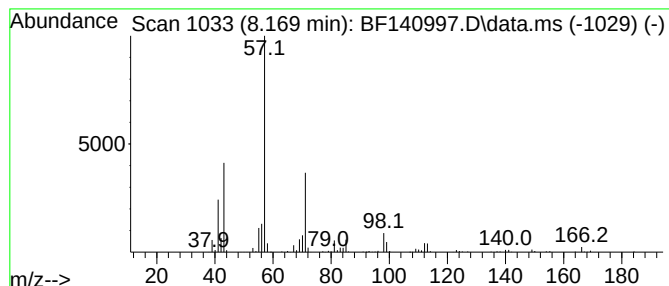
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Undecane, 2,6-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.169	2.14 ng	369248	Naphthalene-d8	8.104

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	97
2		Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	80
3		Undecane, 3,5-dimethyl-	184	C13H28	017312-81-1	72
4		Decane, 2,5,9-trimethyl-	184	C13H28	062108-22-9	72
5		Dodecane, 6-methyl-	184	C13H28	006044-71-9	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140997.D
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Instrument :
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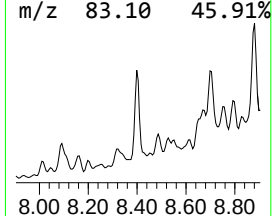
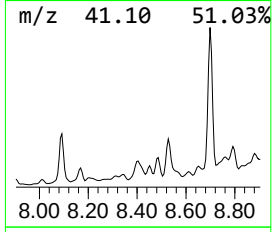
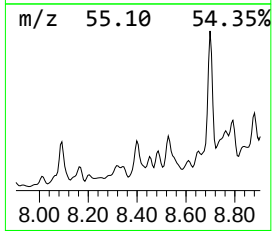
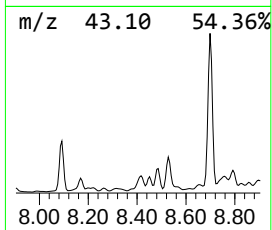
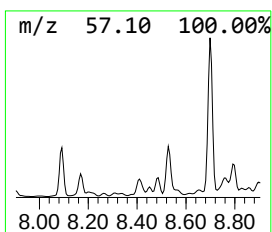
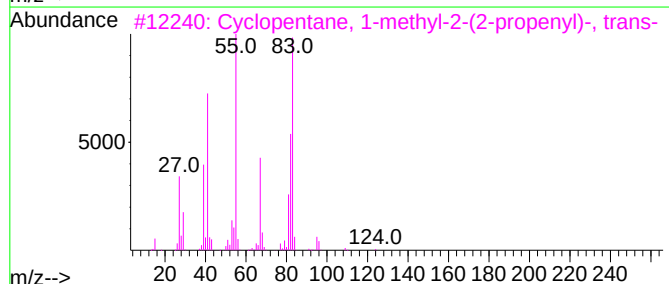
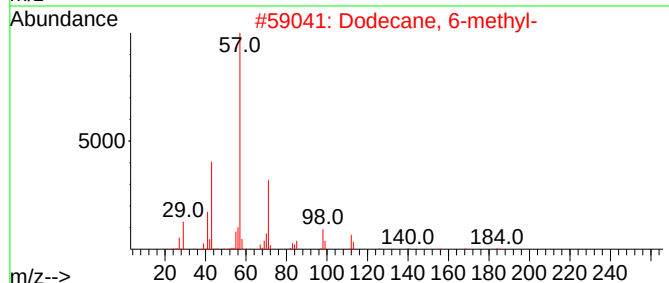
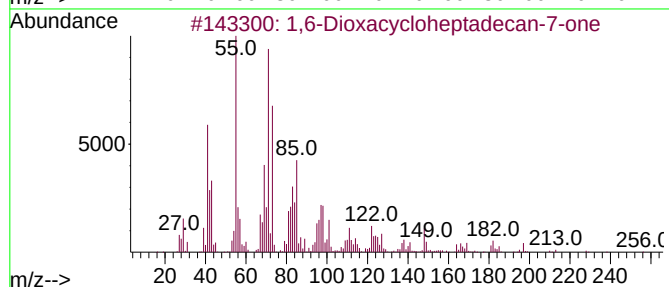
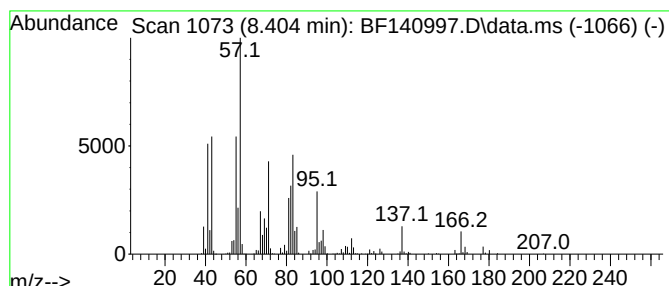
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 unknown8.404 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.404	5.70 ng	984460	Naphthalene-d8	8.104

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1,6-Dioxacycloheptadecan-7-one	256	C15H28O3	006707-60-4	35
2		Dodecane, 6-methyl-	184	C13H28	006044-71-9	35
3		Cyclopentane, 1-methyl-2-(2-prop...	124	C9H16	050746-53-7	27
4		Cyclohexane, (1-methylpropyl)-	140	C10H20	007058-01-7	27
5		Cyclohexane, methyl-	98	C7H14	000108-87-2	25



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140997.D
Acq On : 27 Dec 2024 15:26
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Sample : P5299-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

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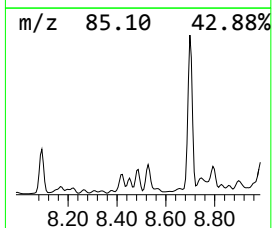
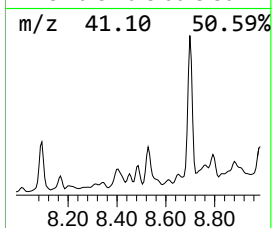
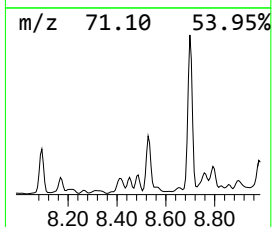
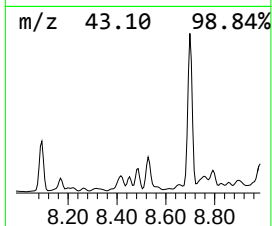
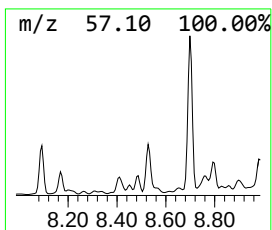
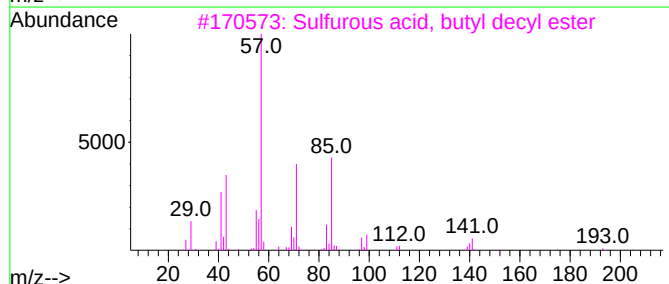
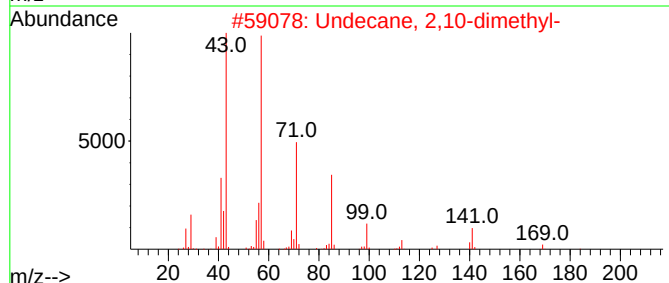
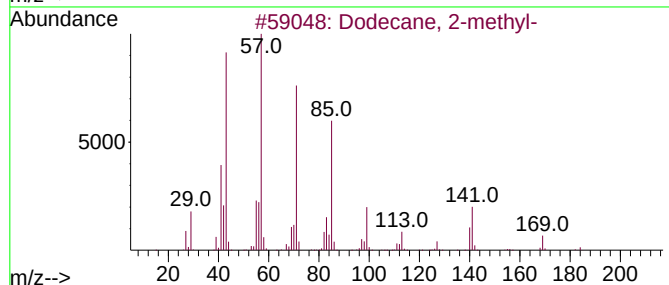
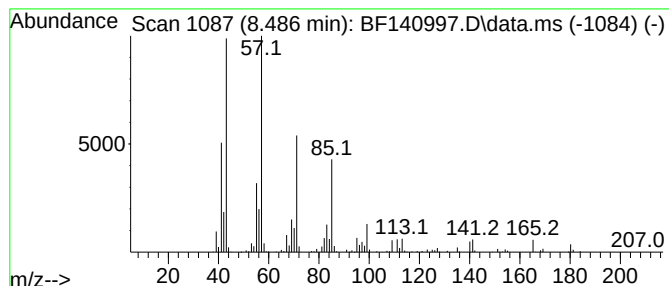
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Dodecane, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.486	2.37 ng	409930	Naphthalene-d8	8.104

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane, 2-methyl-	184	C13H28	001560-97-0	95
2			Undecane, 2,10-dimethyl-	184	C13H28	017301-27-8	93
3			Sulfurous acid, butyl decyl ester	278	C14H30O3S	1000309-17-7	86
4			Heptadecane	240	C17H36	000629-78-7	86
5			Nonadecane	268	C19H40	000629-92-5	80



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
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Acq On : 27 Dec 2024 15:26
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Sample : P5299-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

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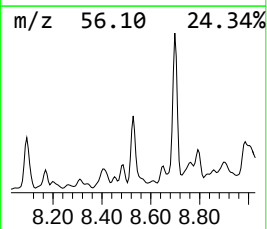
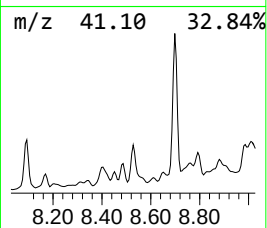
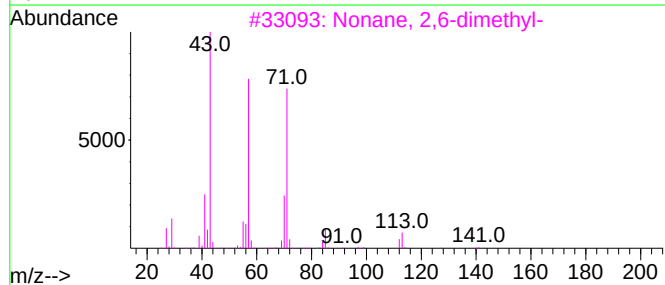
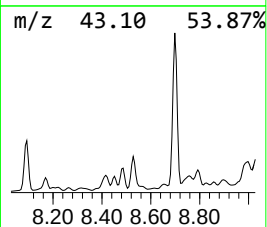
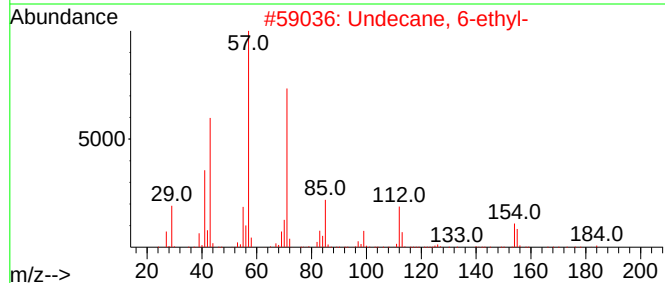
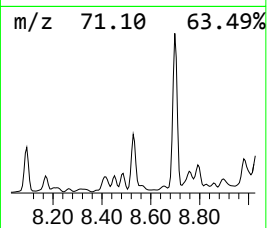
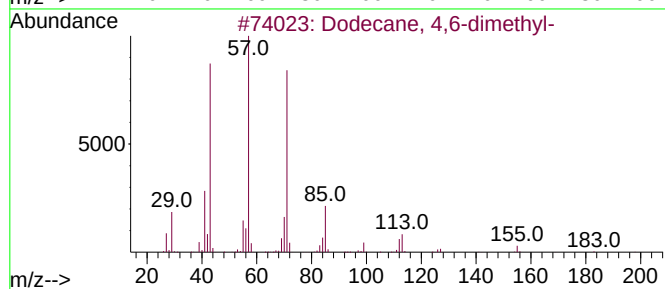
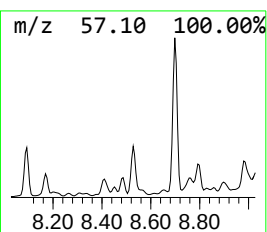
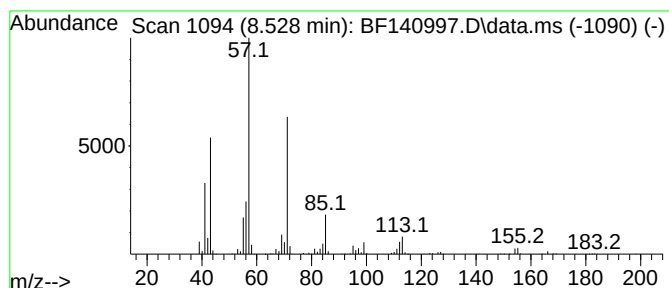
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Dodecane, 4,6-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.528	7.30 ng	1261550	Naphthalene-d8	8.104

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	89
2			Undecane, 6-ethyl-	184	C13H28	017312-60-6	72
3			Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	72
4			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	64
5			Sulfurous acid, decyl 2-ethylhex...	334	C18H38O3S	1000309-19-3	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140997.D
Acq On : 27 Dec 2024 15:26
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Misc :
ALS Vial : 5 Sample Multiplier: 1

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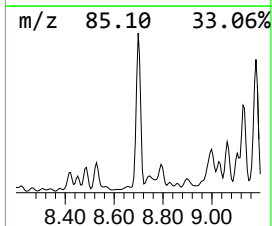
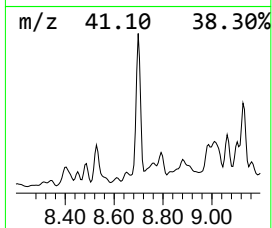
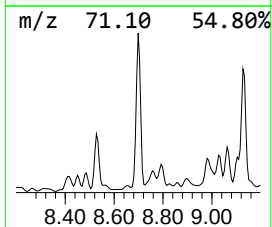
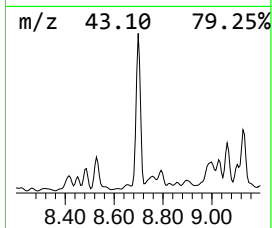
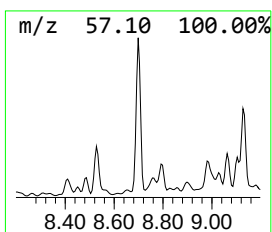
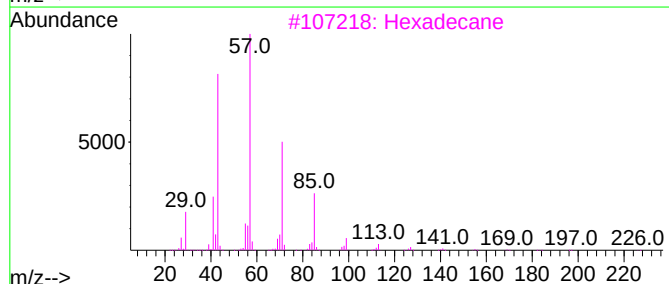
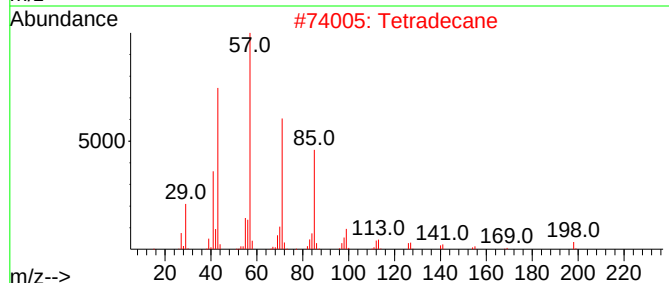
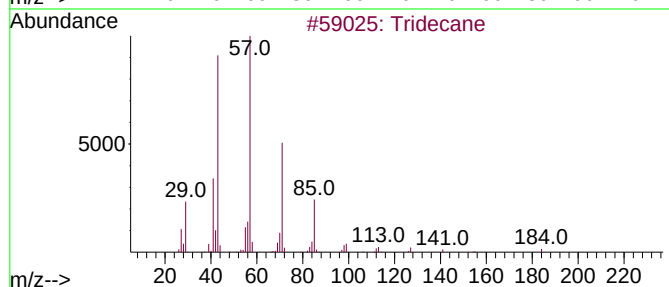
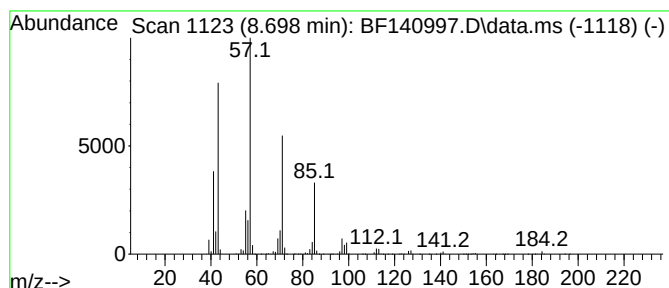
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Tridecane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.698	19.53 ng	3373200	Naphthalene-d8	8.104

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tridecane	184	C13H28	000629-50-5	93
2		Tetradecane	198	C14H30	000629-59-4	86
3		Hexadecane	226	C16H34	000544-76-3	86
4		Pentadecane	212	C15H32	000629-62-9	86
5		Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	86



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140997.D
Acq On : 27 Dec 2024 15:26
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Sample : P5299-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

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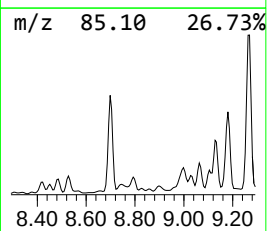
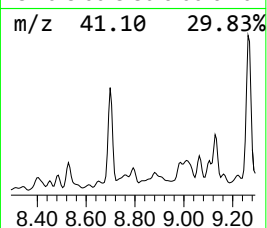
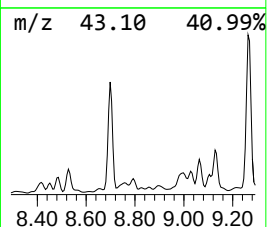
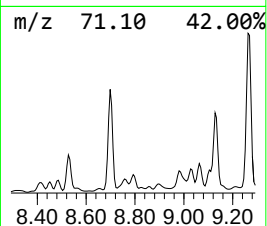
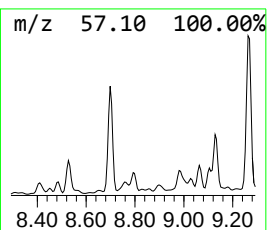
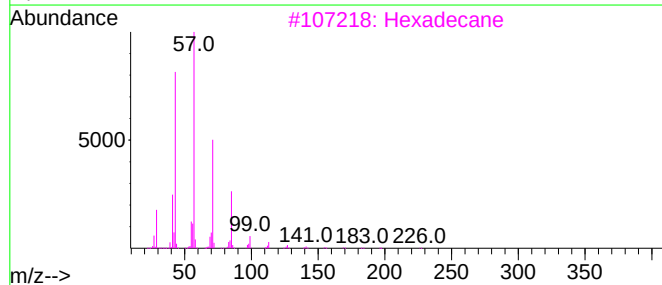
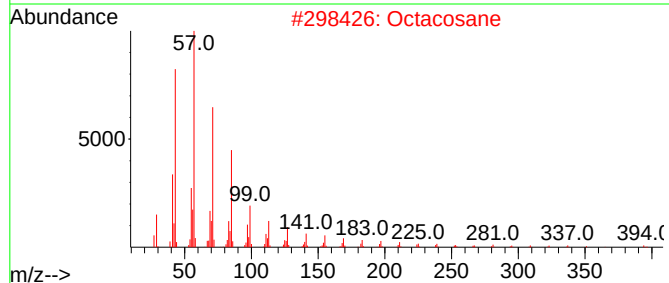
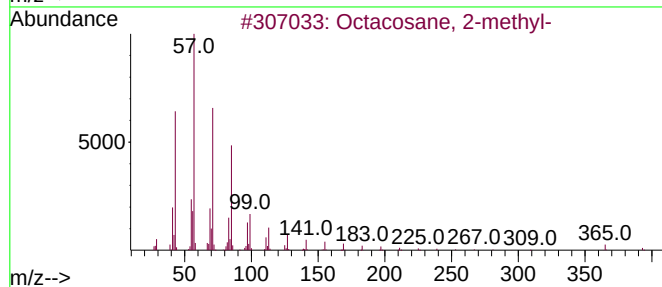
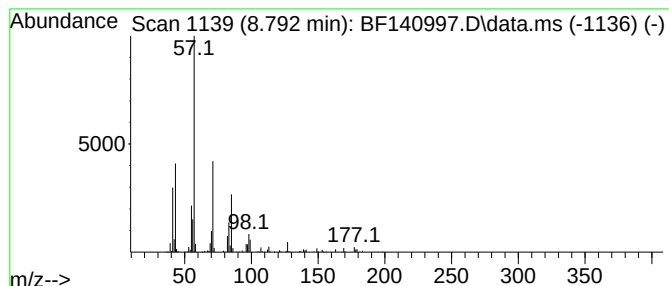
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Octacosane, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.792	3.61 ng	623169	Naphthalene-d8	8.104

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octacosane, 2-methyl-	408	C29H60	001560-98-1	72
2			Octacosane	394	C28H58	000630-02-4	72
3			Hexadecane	226	C16H34	000544-76-3	64
4			Sulfurous acid, butyl tetradecyl...	334	C18H38O3S	1010309-18-1	64
5			Sulfurous acid, butyl dodecyl ester	306	C16H34O3S	1000309-17-9	59



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
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ALS Vial : 5 Sample Multiplier: 1

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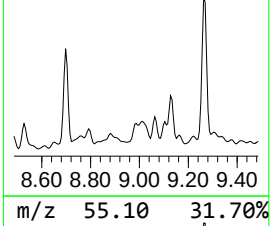
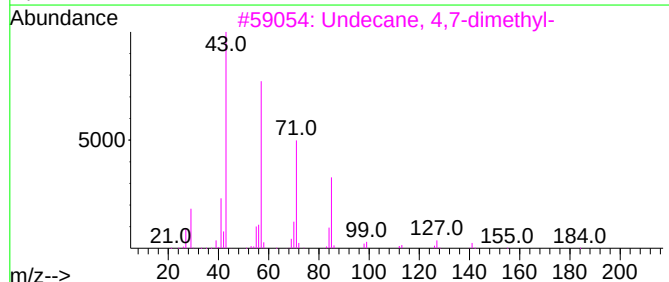
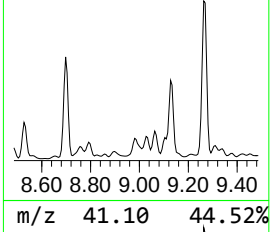
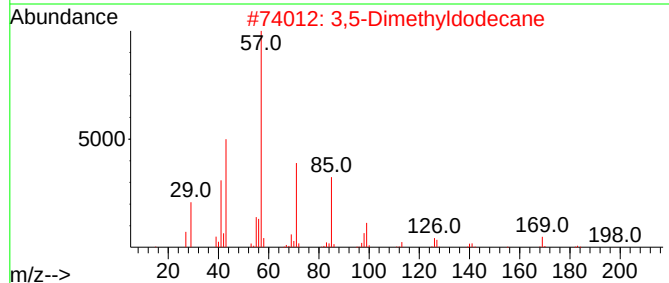
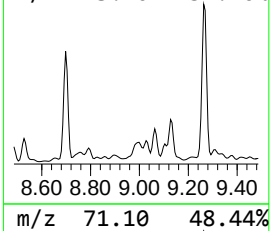
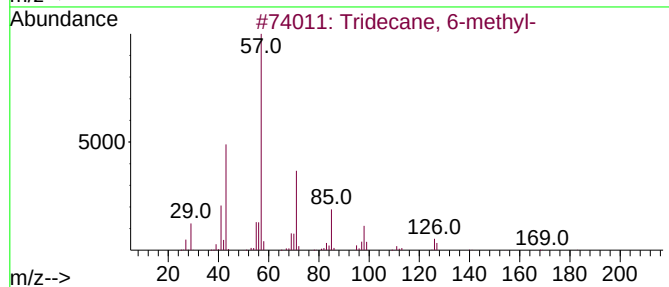
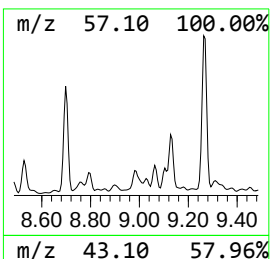
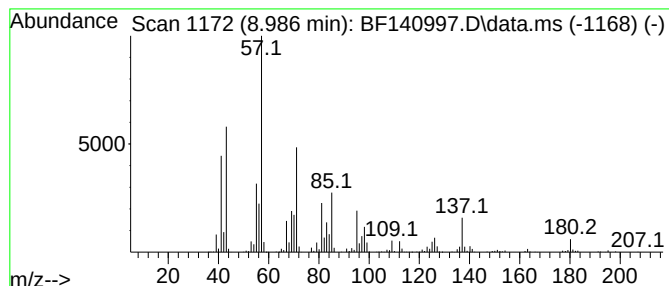
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Tridecane, 6-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.986	7.52 ng	955335	Acenaphthene-d10	9.857

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecane, 6-methyl-	198	C14H30	013287-21-3	53
2			3,5-Dimethyldodecane	198	C14H30	107770-99-0	52
3			Undecane, 4,7-dimethyl-	184	C13H28	017301-32-5	47
4			Tridecane	184	C13H28	000629-50-5	47
5			Carbonic acid, dodecyl 2-ethylhe...	342	C21H42O3	1000383-13-9	43



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Data File : BF140997.D
Acq On : 27 Dec 2024 15:26
Operator : RC/JU
Sample : P5299-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

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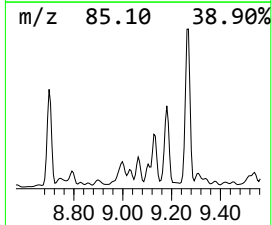
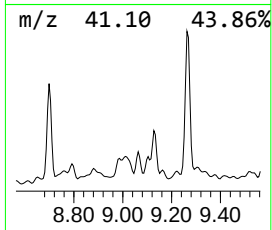
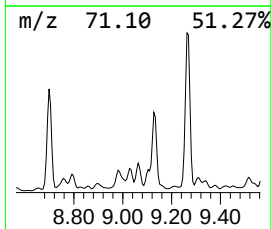
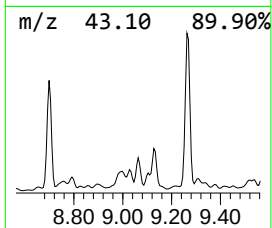
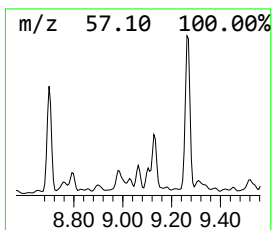
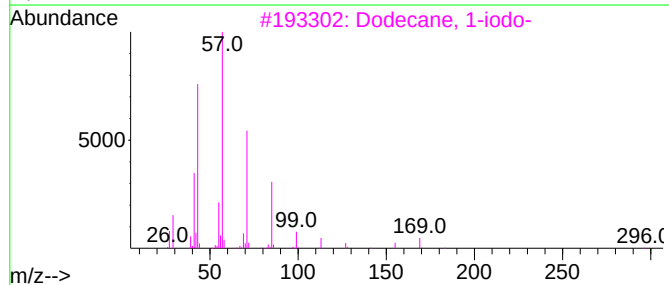
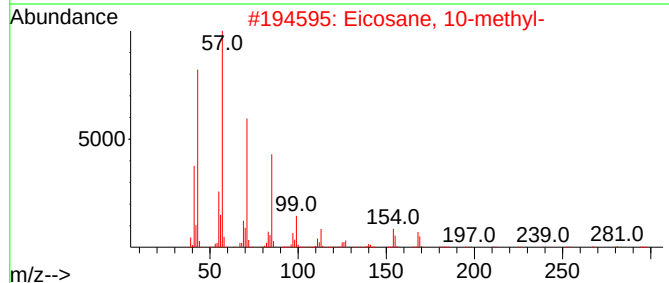
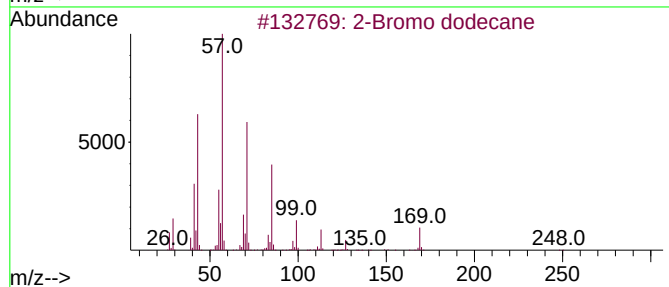
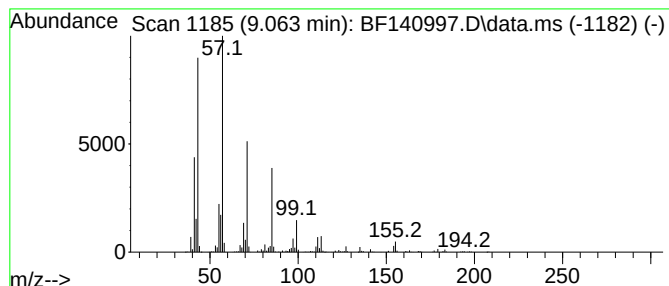
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 2-Bromo dodecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.063	5.75 ng	729824	Acenaphthene-d10	9.857

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Bromo dodecane	248	C12H25Br	013187-99-0	90
2			Eicosane, 10-methyl-	296	C21H44	054833-23-7	90
3			Dodecane, 1-iodo-	296	C12H25I	004292-19-7	86
4			Heptacosane	380	C27H56	000593-49-7	86
5			Undecane, 2,10-dimethyl-	184	C13H28	017301-27-8	81



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
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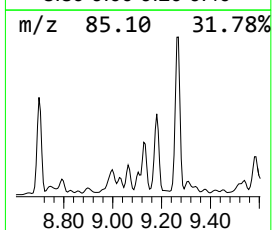
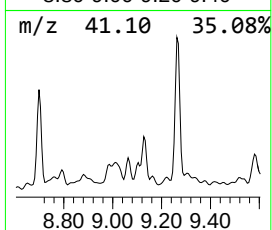
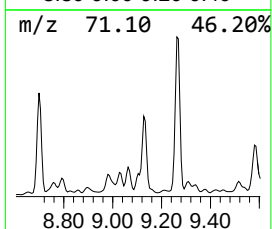
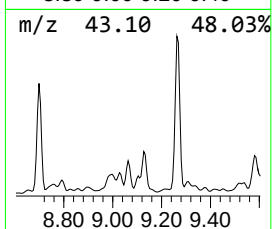
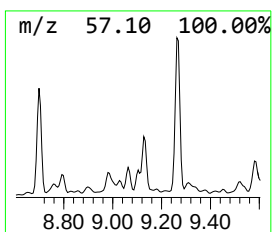
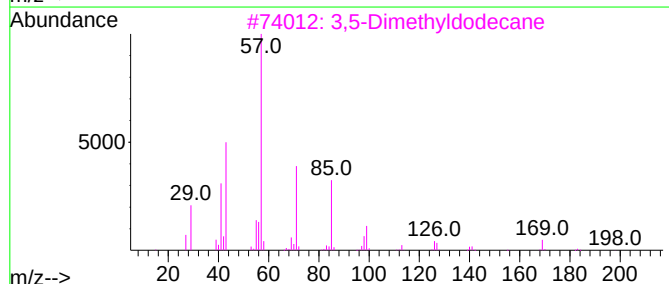
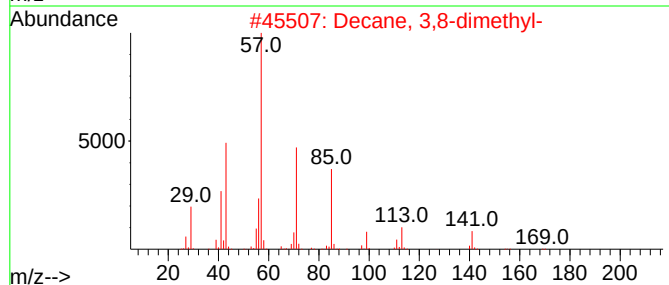
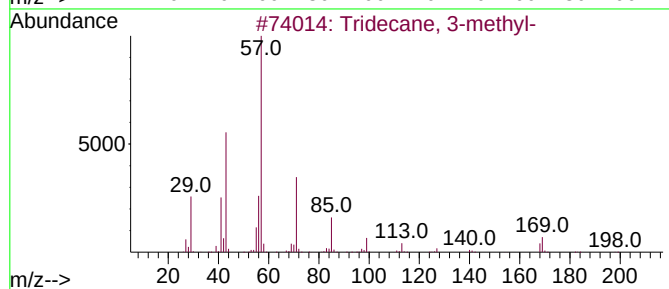
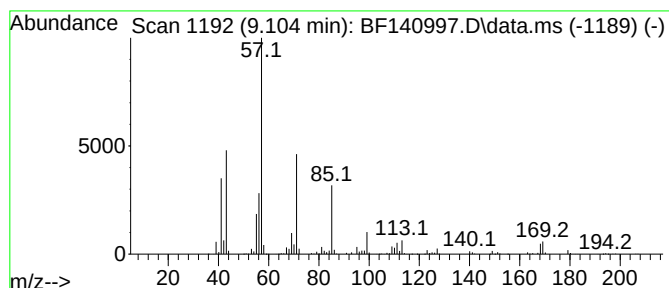
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Tridecane, 3-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.104	4.14 ng	526196	Acenaphthene-d10	9.857

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tridecane, 3-methyl-	198	C14H30	006418-41-3	92
2		Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	72
3		3,5-Dimethyldodecane	198	C14H30	107770-99-0	64
4		Undecane, 2,9-dimethyl-	184	C13H28	017301-26-7	64
5		Dodecane, 1-iodo-	296	C12H25I	004292-19-7	59



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140997.D
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Misc :
ALS Vial : 5 Sample Multiplier: 1

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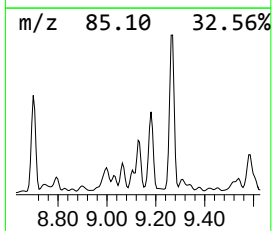
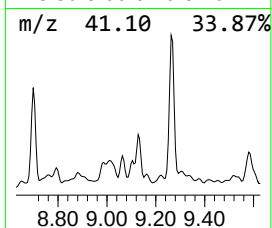
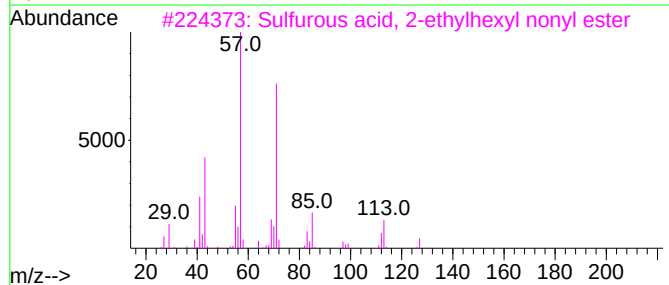
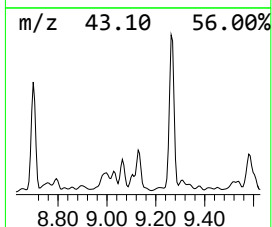
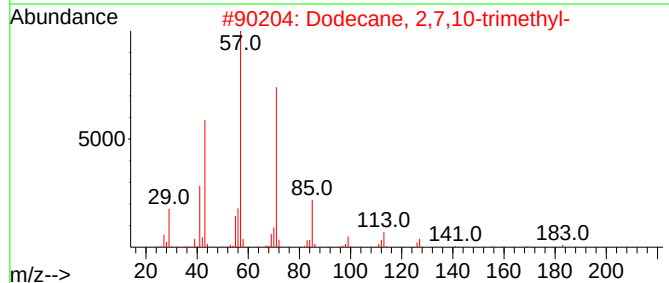
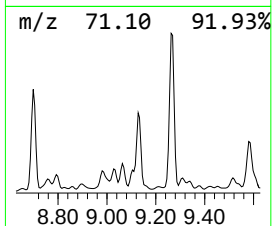
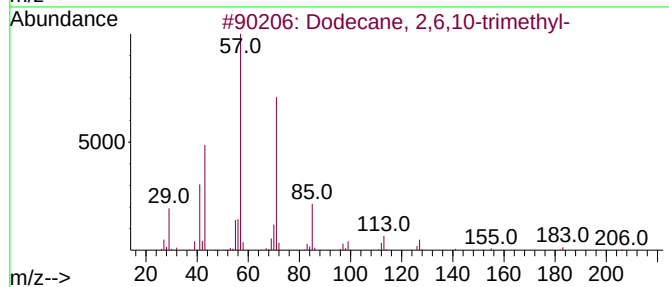
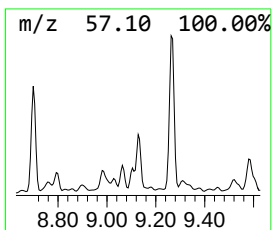
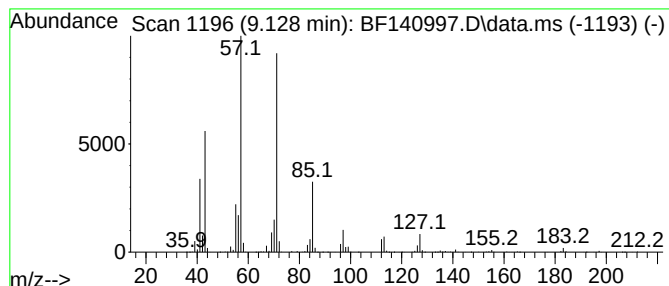
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Dodecane, 2,6,10-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.128	13.55 ng	1720630	Acenaphthene-d10	9.857

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	86
2			Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	86
3			Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1010309-19-2	64
4			Nonane, 5-(2-methylpropyl)-	184	C13H28	062185-53-9	59
5			Nonane, 5-butyl-	184	C13H28	017312-63-9	59



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140997.D
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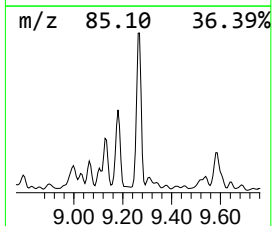
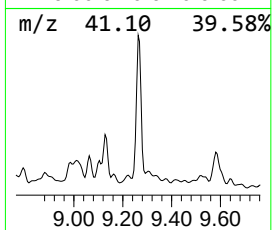
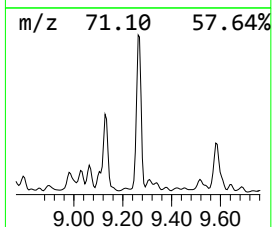
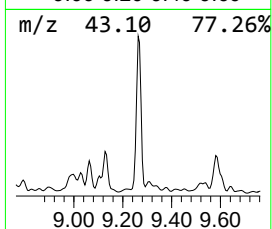
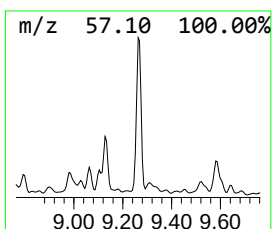
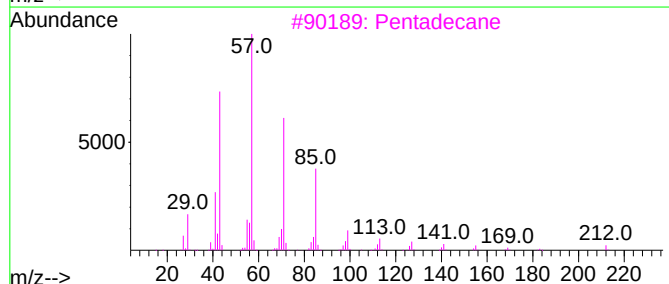
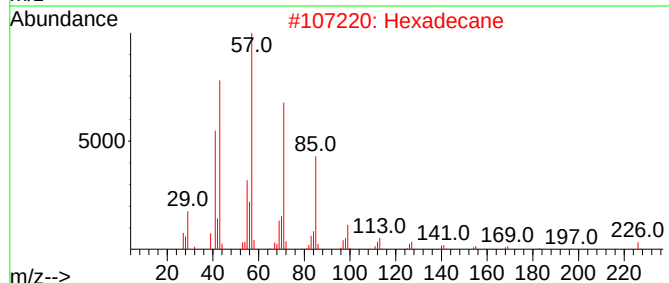
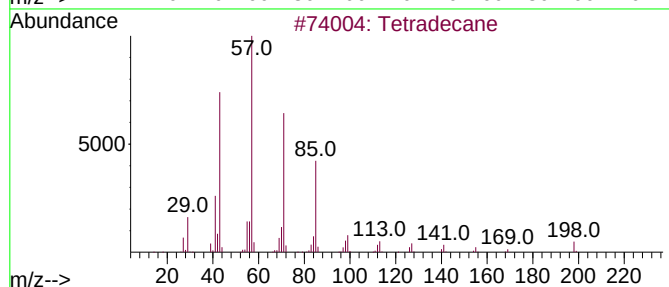
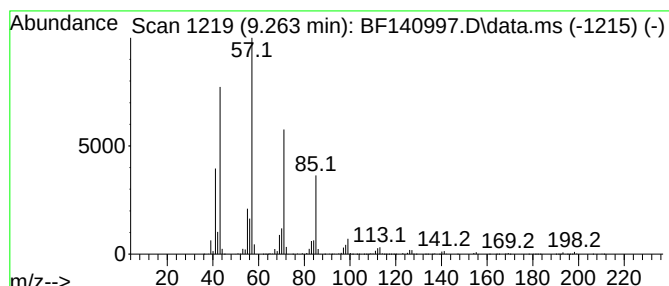
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Tetradecane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.263	44.72 ng	5680800	Acenaphthene-d10	9.857

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tetradecane	198	C14H30	000629-59-4	96
2			Hexadecane	226	C16H34	000544-76-3	91
3			Pentadecane	212	C15H32	000629-62-9	86
4			Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	80
5			Tridecane, 6-methyl-	198	C14H30	013287-21-3	74



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
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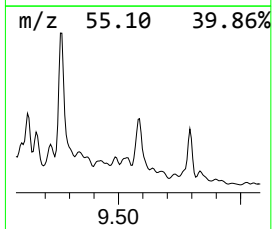
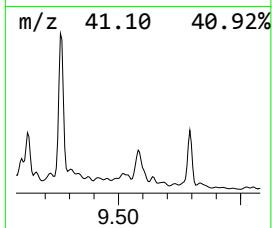
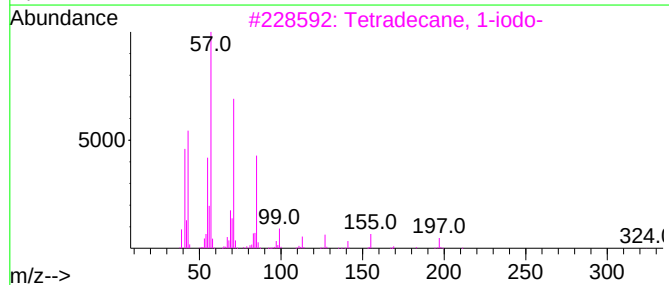
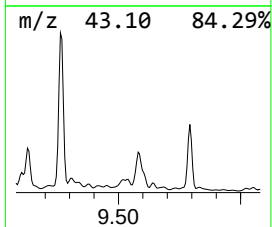
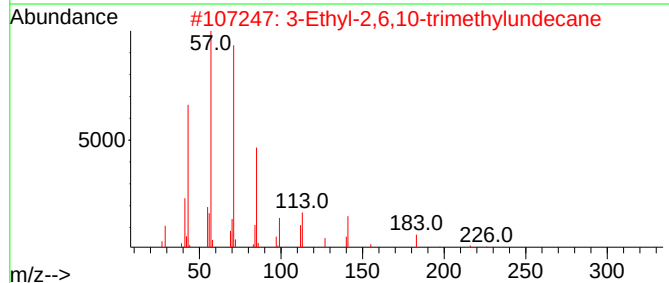
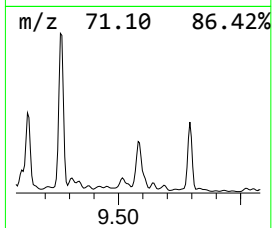
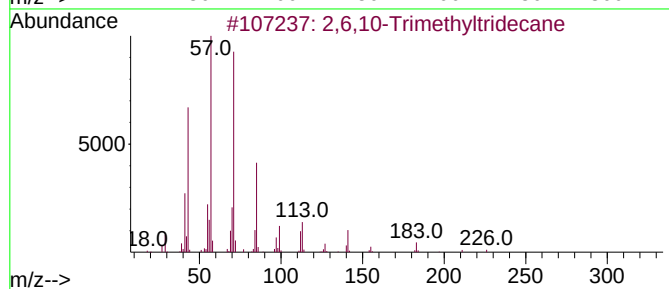
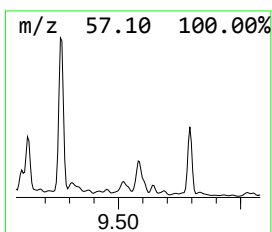
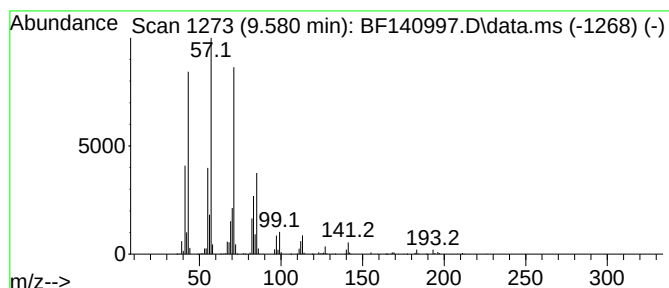
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 2,6,10-Trimethyltridecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.580	17.90 ng	2274240	Acenaphthene-d10	9.857

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,6,10-Trimethyltridecane	226	C16H34	003891-99-4	86		
2	3-Ethyl-2,6,10-trimethylundecane	226	C16H34	1000432-25-9	80		
3	Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	80		
4	Decane, 2,3,5,8-tetramethyl-	198	C14H30	192823-15-7	80		
5	Nonane, 4-methyl-5-propyl-	184	C13H28	062185-55-1	76		



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
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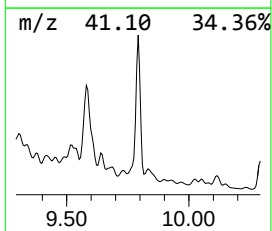
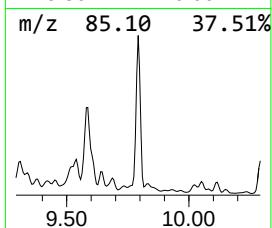
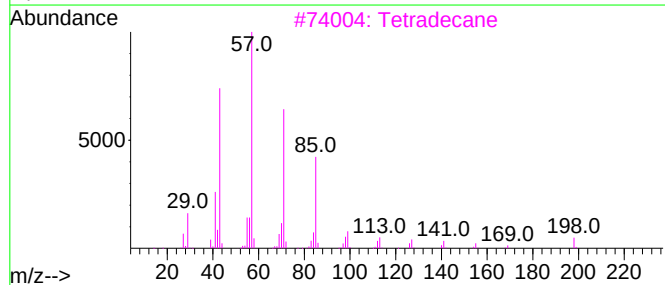
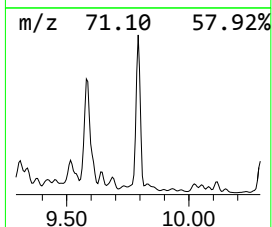
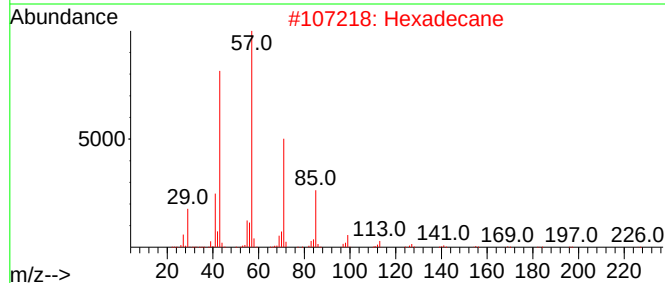
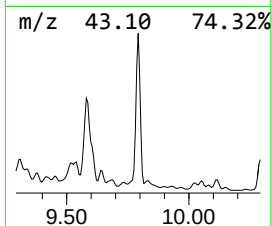
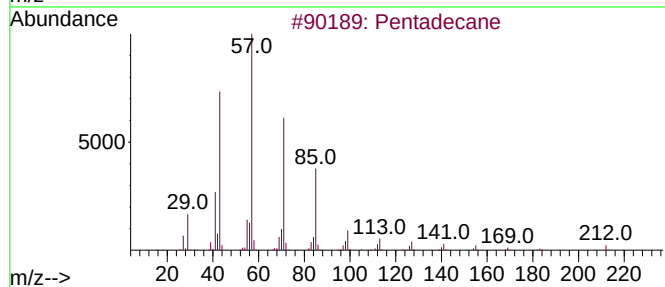
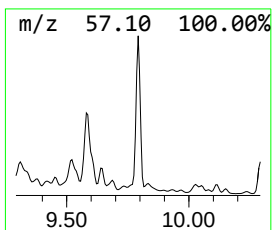
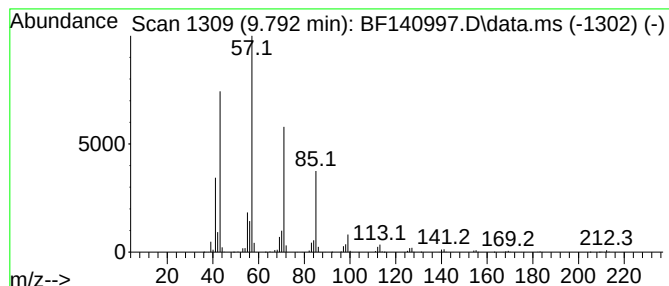
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 Pentadecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.792	18.95 ng	2407210	Acenaphthene-d10	9.857

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentadecane	212	C15H32	000629-62-9	95
2			Hexadecane	226	C16H34	000544-76-3	90
3			Tetradecane	198	C14H30	000629-59-4	90
4			Tridecane	184	C13H28	000629-50-5	90
5			Heptadecane	240	C17H36	000629-78-7	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
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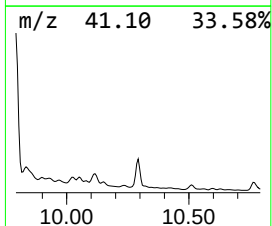
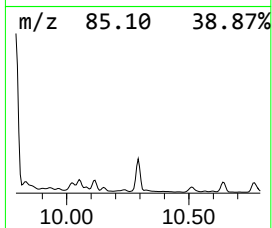
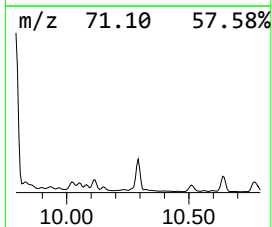
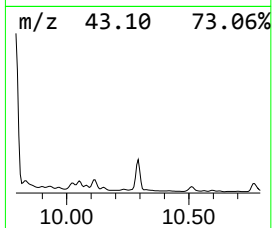
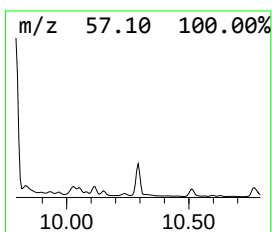
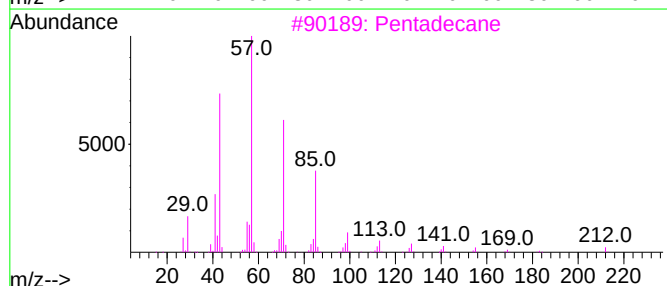
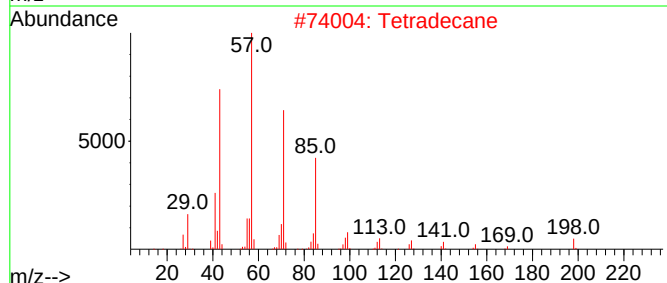
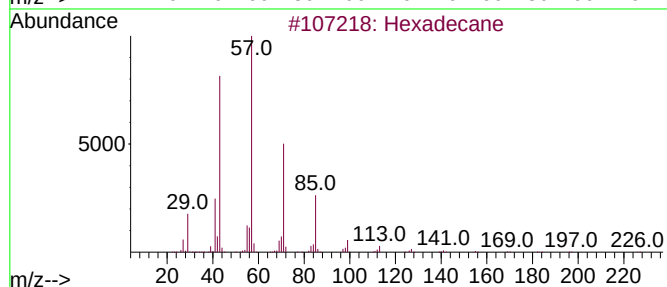
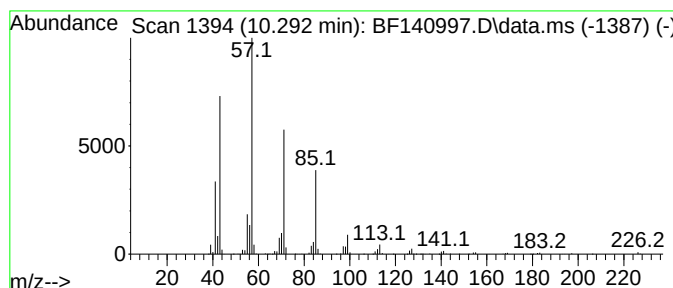
Instrument :
BNA_F
ClientSampleId :
SB-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Hexadecane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.292	4.06 ng	516006	Acenaphthene-d10	9.857	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	97
2	Tetradecane	198	C14H30	000629-59-4	90
3	Pentadecane	212	C15H32	000629-62-9	90
4	Nonadecane	268	C19H40	000629-92-5	90
5	Pentadecane, 7-methyl-	226	C16H34	006165-40-8	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140997.D
Acq On : 27 Dec 2024 15:26
Operator : RC/JU
Sample : P5299-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-01

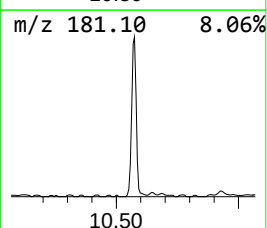
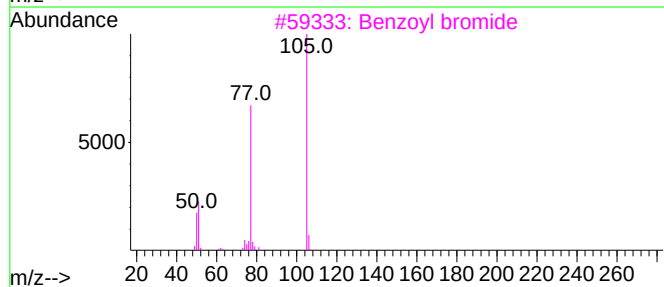
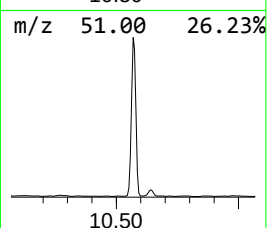
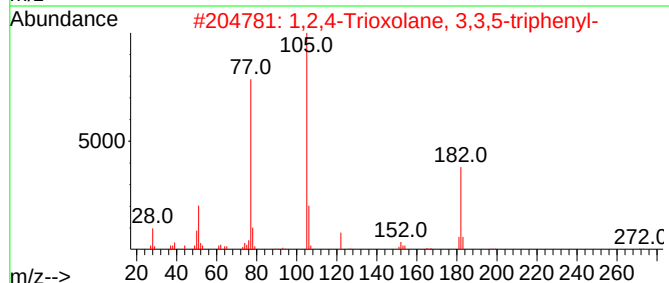
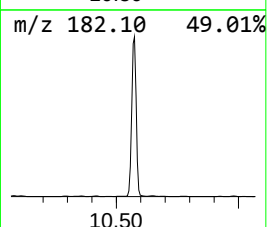
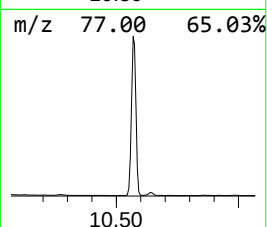
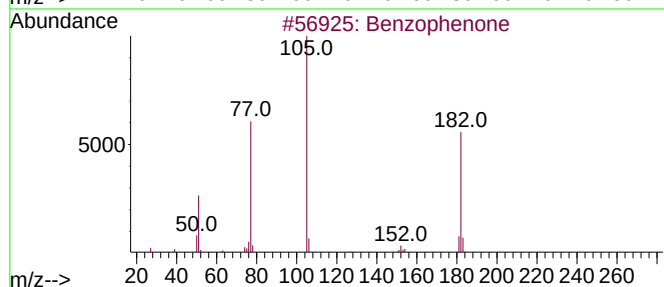
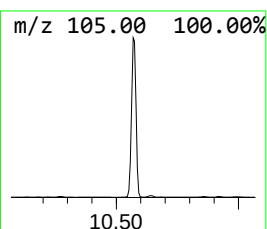
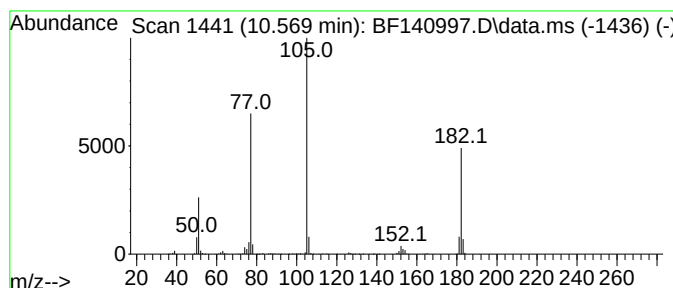
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Benzophenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.569	8.01 ng	1017420	Acenaphthene-d10	9.857

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzophenone	182	C13H10O	000119-61-9	96
2		1,2,4-Trioxolane, 3,3,5-triphenyl-	304	C20H16O3	023246-12-0	72
3		Benzoyl bromide	184	C7H5BrO	000618-32-6	47
4		1-Propanone, 2-bromo-1-phenyl-	212	C9H9BrO	002114-00-3	47
5		1,2-Propanedione, 1-phenyl-	148	C9H8O2	000579-07-7	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140997.D
Acq On : 27 Dec 2024 15:26
Operator : RC/JU
Sample : P5299-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

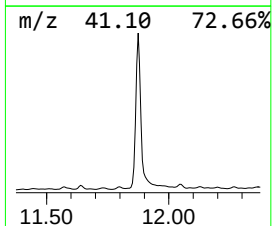
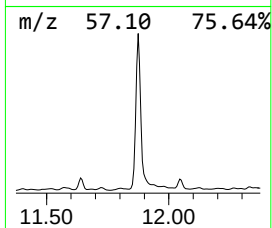
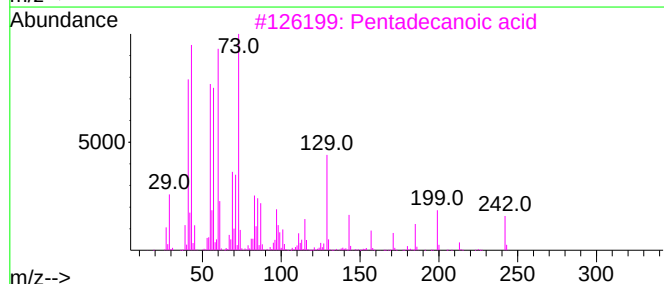
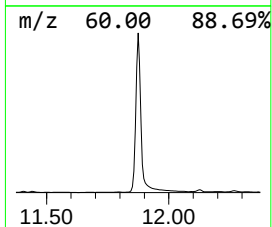
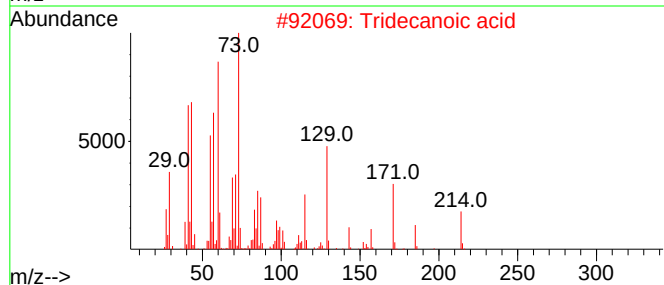
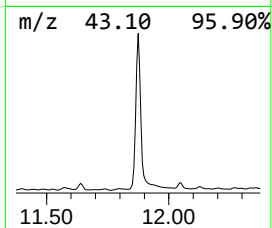
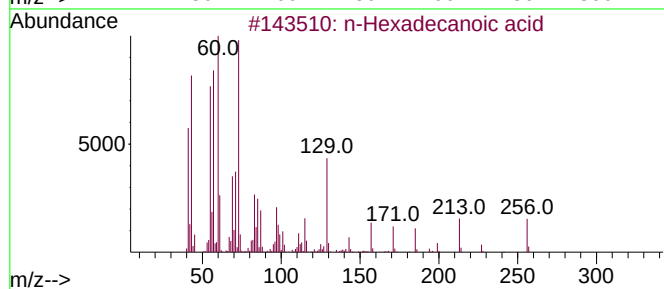
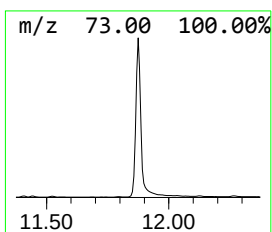
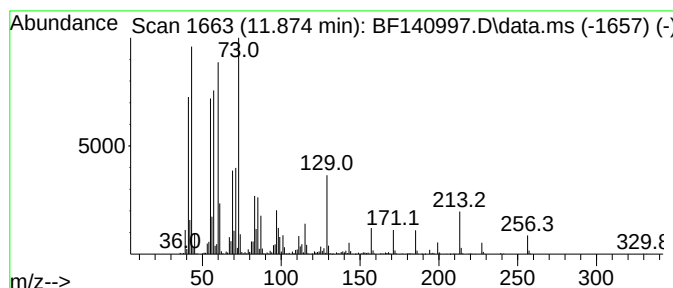
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.874	19.12 ng	2264920	Phenanthrene-d10	11.339	
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	91
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	90
5	8-Methylnonanoic acid	172	C10H20O2	005963-14-4	55



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140997.D
Acq On : 27 Dec 2024 15:26
Operator : RC/JU
Sample : P5299-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-01

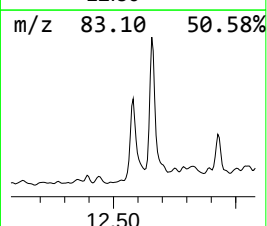
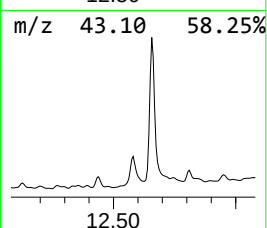
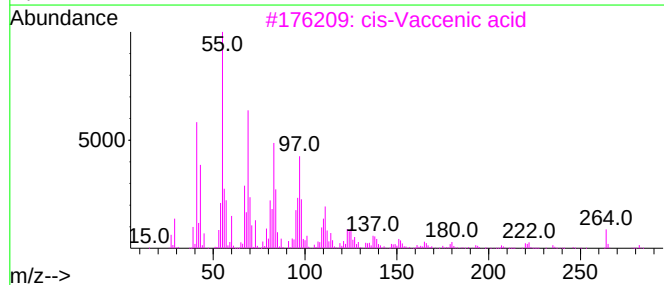
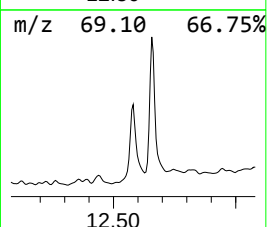
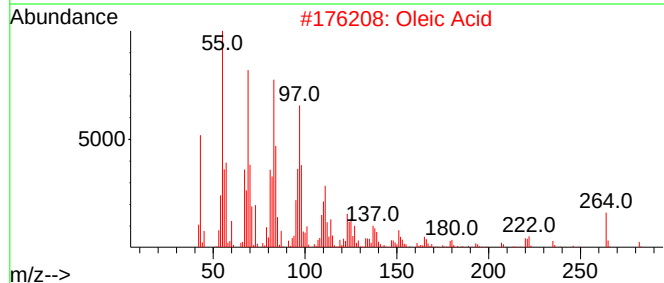
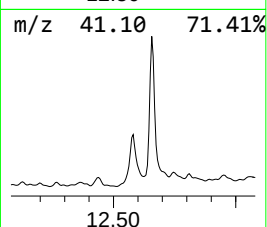
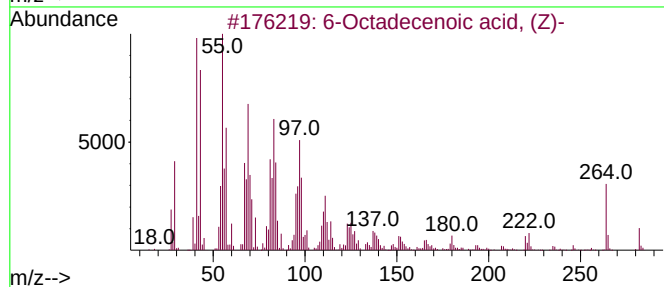
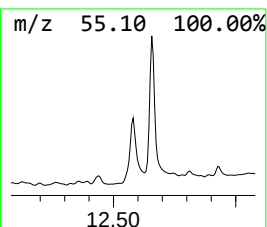
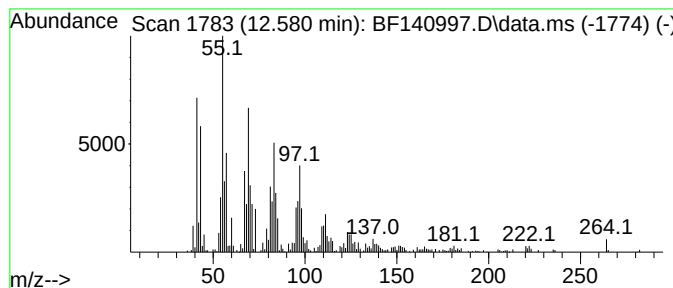
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 6-Octadecenoic acid, (Z)- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.580	4.27 ng	505499	Phenanthrene-d10	11.339

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		6-Octadecenoic acid, (Z)-	282	C18H34O2	000593-39-5	99
2		Oleic Acid	282	C18H34O2	000112-80-1	99
3		cis-Vaccenic acid	282	C18H34O2	000506-17-2	99
4		9-Octadecenoic acid, (E)-	282	C18H34O2	000112-79-8	97
5		cis-13-Octadecenoic acid	282	C18H34O2	013126-39-1	96



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140997.D
Acq On : 27 Dec 2024 15:26
Operator : RC/JU
Sample : P5299-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-01

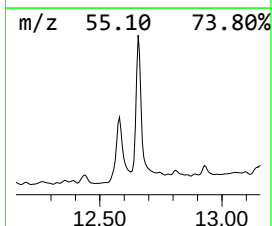
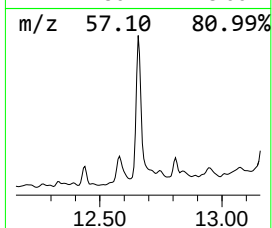
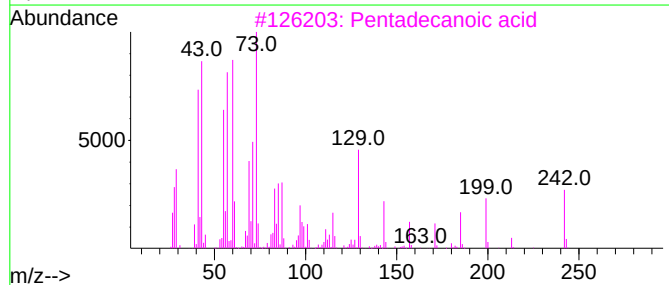
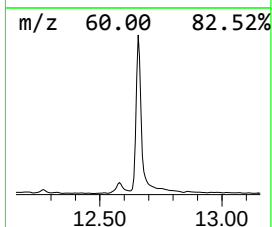
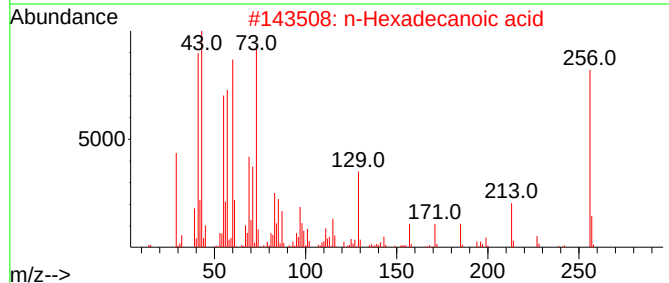
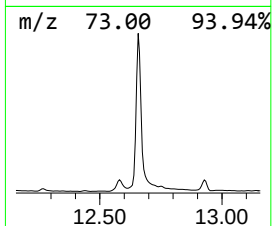
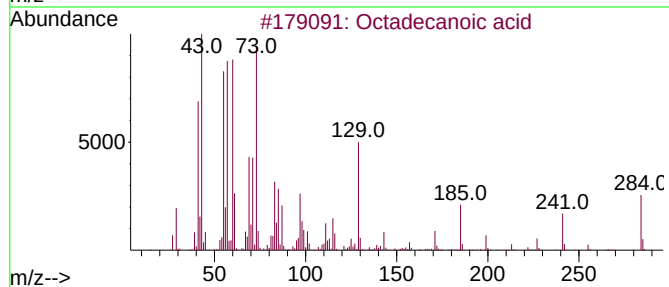
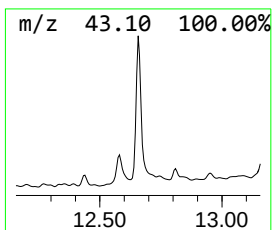
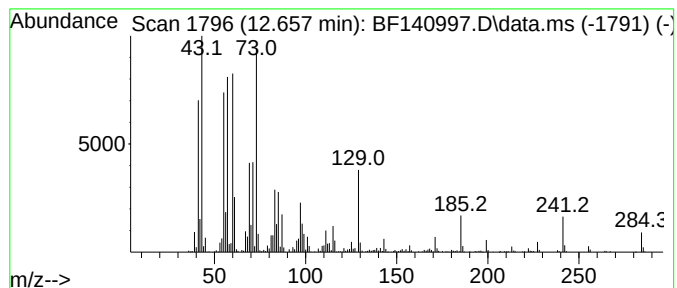
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Octadecanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.657	7.89 ng	934578	Phenanthrene-d10	11.339

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	93
4			Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	80
5			Tetradecanoic acid	228	C14H28O2	000544-63-8	74



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140997.D
Acq On : 27 Dec 2024 15:26
Operator : RC/JU
Sample : P5299-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

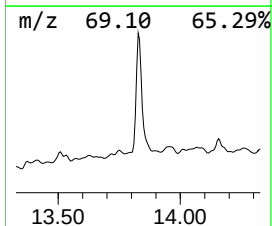
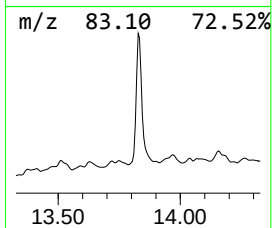
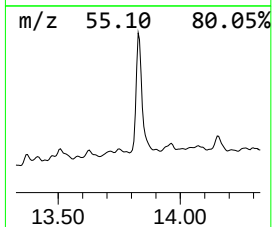
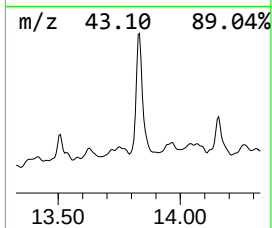
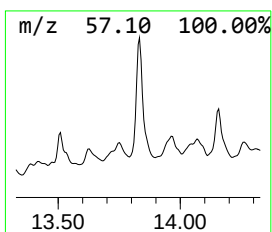
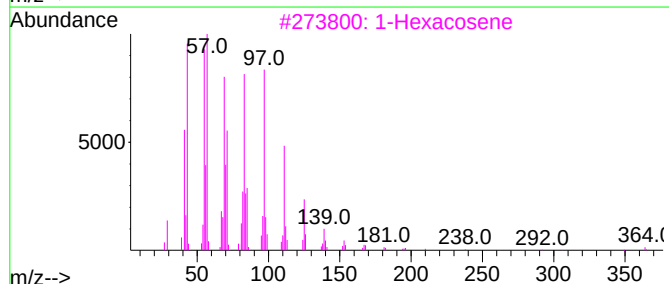
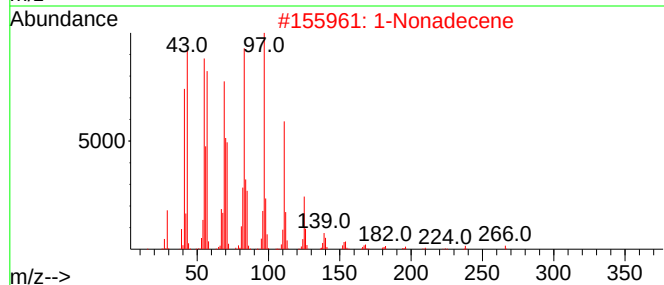
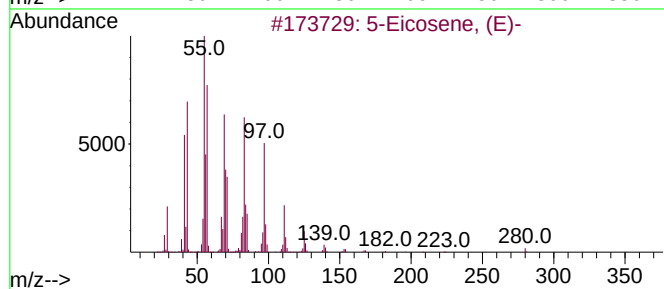
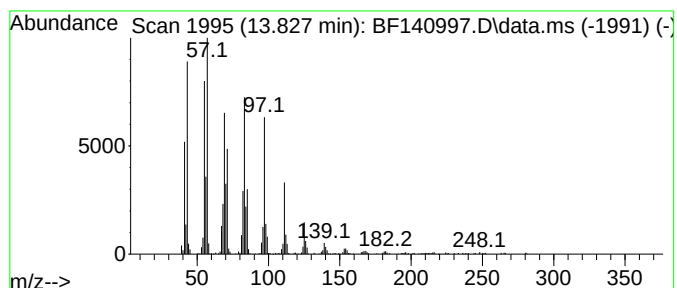
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 5-Eicosene, (E)- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.827	7.17 ng	703993	Chrysene-d12	13.974	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Eicosene, (E)-	280	C20H40	074685-30-6	97
2	1-Nonadecene	266	C19H38	018435-45-5	96
3	1-Hexacosene	364	C26H52	018835-33-1	94
4	Octadecyl trifluoroacetate	366	C20H37F3O2	079392-43-1	94
5	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	94



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140997.D
Acq On : 27 Dec 2024 15:26
Operator : RC/JU
Sample : P5299-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.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
Decane	6.663	2.2	ng	164660	1	6.828	1489290	20.0
Undecane, 2,6-d...	8.169	2.1	ng	369248	2	8.104	3453990	20.0
unknown8.404	8.404	5.7	ng	984460	2	8.104	3453990	20.0
Dodecane, 2-met...	8.486	2.4	ng	409930	2	8.104	3453990	20.0
Dodecane, 4,6-d...	8.528	7.3	ng	1261550	2	8.104	3453990	20.0
Tridecane	8.698	19.5	ng	3373200	2	8.104	3453990	20.0
Octacosane, 2-m...	8.792	3.6	ng	623169	2	8.104	3453990	20.0
Tridecane, 6-me...	8.986	7.5	ng	955335	3	9.857	2540480	20.0
2-Bromo dodecane	9.063	5.8	ng	729824	3	9.857	2540480	20.0
Tridecane, 3-me...	9.104	4.1	ng	526196	3	9.857	2540480	20.0
Dodecane, 2,6,1...	9.128	13.6	ng	1720630	3	9.857	2540480	20.0
Tetradecane	9.263	44.7	ng	5680800	3	9.857	2540480	20.0
2,6,10-Trimethy...	9.580	17.9	ng	2274240	3	9.857	2540480	20.0
Pentadecane	9.792	18.9	ng	2407210	3	9.857	2540480	20.0
Hexadecane	10.292	4.1	ng	516006	3	9.857	2540480	20.0
Benzophenone	10.569	8.0	ng	1017420	3	9.857	2540480	20.0
n-Hexadecanoic ...	11.874	19.1	ng	2264920	4	11.339	2368720	20.0
6-Octadecenoic ...	12.580	4.3	ng	505499	4	11.339	2368720	20.0
Octadecanoic acid	12.657	7.9	ng	934578	4	11.339	2368720	20.0
5-Eicosene, (E)-	13.827	7.2	ng	703993	5	13.974	1964180	20.0

Report of Analysis

Client:	Portal Partners Tri-Venture			Date Collected:	12/15/24		
Project:	Amtrak Sawtooth Bridges 2024			Date Received:	12/16/24		
Client Sample ID:	SB-02			SDG No.:	P5299		
Lab Sample ID:	P5299-04			Matrix:	SOIL		
Analytical Method:	SW8270			% Solid:	79.2		
Sample Wt/Vol:	30.09	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
BF140996.D	1	12/18/24 08:56	12/27/24 15:00	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	230	U	230	420	ug/Kg
108-95-2	Phenol	100	U	100	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	210	ug/Kg
95-57-8	2-Chlorophenol	110	U	110	210	ug/Kg
95-48-7	2-Methylphenol	100	U	100	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	210	ug/Kg
98-86-2	Acetophenone	110	U	110	210	ug/Kg
65794-96-9	3+4-Methylphenols	100	U	100	420	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	50.7	U	50.7	100	ug/Kg
67-72-1	Hexachloroethane	100	U	100	210	ug/Kg
98-95-3	Nitrobenzene	110	U	110	210	ug/Kg
78-59-1	Isophorone	110	U	110	210	ug/Kg
88-75-5	2-Nitrophenol	120	U	120	210	ug/Kg
105-67-9	2,4-Dimethylphenol	120	U	120	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	110	U	110	210	ug/Kg
120-83-2	2,4-Dichlorophenol	95.0	U	95.0	210	ug/Kg
91-20-3	Naphthalene	100	U	100	210	ug/Kg
106-47-8	4-Chloroaniline	100	U	100	210	ug/Kg
87-68-3	Hexachlorobutadiene	100	U	100	210	ug/Kg
105-60-2	Caprolactam	110	U	110	420	ug/Kg
59-50-7	4-Chloro-3-methylphenol	97.6	U	97.6	210	ug/Kg
91-57-6	2-Methylnaphthalene	100	U	100	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	200	U	200	420	ug/Kg
88-06-2	2,4,6-Trichlorophenol	89.9	U	89.9	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	93.2	U	93.2	210	ug/Kg
92-52-4	1,1-Biphenyl	110	U	110	210	ug/Kg
91-58-7	2-Chloronaphthalene	100	U	100	210	ug/Kg
88-74-4	2-Nitroaniline	120	U	120	210	ug/Kg
131-11-3	Dimethylphthalate	100	U	100	210	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-02	SDG No.:	P5299
Lab Sample ID:	P5299-04	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	79.2
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		GPC Factor :	1.0
Prep Method :	SW3541	Level :	LOW
		GPC Cleanup :	N
		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140996.D	1	12/18/24 08:56	12/27/24 15:00	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	110	U	110	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	100	U	100	210	ug/Kg
99-09-2	3-Nitroaniline	110	UQ	110	210	ug/Kg
83-32-9	Acenaphthene	100	U	100	210	ug/Kg
51-28-5	2,4-Dinitrophenol	310	U	310	420	ug/Kg
100-02-7	4-Nitrophenol	150	U	150	420	ug/Kg
132-64-9	Dibenzofuran	110	U	110	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	210	ug/Kg
84-66-2	Diethylphthalate	100	U	100	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	210	ug/Kg
86-73-7	Fluorene	110	U	110	210	ug/Kg
100-01-6	4-Nitroaniline	130	U	130	210	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	150	U	150	420	ug/Kg
86-30-6	n-Nitrosodiphenylamine	100	U	100	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	99.3	U	99.3	210	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	210	ug/Kg
1912-24-9	Atrazine	120	U	120	210	ug/Kg
87-86-5	Pentachlorophenol	97.3	U	97.3	420	ug/Kg
85-01-8	Phenanthrene	110	U	110	210	ug/Kg
120-12-7	Anthracene	110	U	110	210	ug/Kg
86-74-8	Carbazole	100	U	100	210	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	210	ug/Kg
206-44-0	Fluoranthene	100	U	100	210	ug/Kg
129-00-0	Pyrene	100	U	100	210	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	120	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	120	UQ	120	420	ug/Kg
56-55-3	Benzo(a)anthracene	100	U	100	210	ug/Kg
218-01-9	Chrysene	100	U	100	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	210	ug/Kg
117-84-0	Di-n-octyl phthalate	140	U	140	420	ug/Kg
205-99-2	Benzo(b)fluoranthene	100	U	100	210	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-02	SDG No.:	P5299
Lab Sample ID:	P5299-04	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	79.2
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		GPC Factor :	1.0
Prep Method :	SW3541	Level :	LOW
		GPC Cleanup :	N
		PH :	
		Test:	SVOC-TCL BNA -20
		Final Vol:	1000
			uL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140996.D	1	12/18/24 08:56	12/27/24 15:00	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	100	U	100	210	ug/Kg
50-32-8	Benzo(a)pyrene	120	U	120	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	98.3	U	98.3	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	100	U	100	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	100	U	100	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	110	U	110	210	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	94.0	U	94.0	210	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	148		30 (18) - 130 (112)	98%	SPK: 150
13127-88-3	Phenol-d6	148		30 (15) - 130 (107)	99%	SPK: 150
4165-60-0	Nitrobenzene-d5	125		30 (18) - 130 (107)	125%	SPK: 100
321-60-8	2-Fluorobiphenyl	91.9		30 (20) - 130 (109)	92%	SPK: 100
118-79-6	2,4,6-Tribromophenol	174		30 (10) - 130 (116)	116%	SPK: 150
1718-51-0	Terphenyl-d14	94.4		30 (10) - 130 (105)	94%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	239000	6.822
1146-65-2	Naphthalene-d8	934000	8.104
15067-26-2	Acenaphthene-d10	502000	9.857
1517-22-2	Phenanthrene-d10	863000	11.339
1719-03-5	Chrysene-d12	558000	13.974
1520-96-3	Perylene-d12	525000	15.433

TENTATIVE IDENTIFIED COMPOUNDS

	unknown7.634	110	J	7.63	ug/Kg
017301-23-4	Undecane, 2,6-dimethyl-	130	J	8.17	ug/Kg
006165-44-2	Cyclohexane, 1,1-(1,4-butanediyl)	170	J	8.40	ug/Kg
017302-28-2	Nonane, 2,6-dimethyl-	260	J	8.53	ug/Kg
000629-50-5	Tridecane	440	J	8.70	ug/Kg
	unknown8.987	130	J	8.99	ug/Kg
001560-86-7	Nonadecane, 2-methyl-	100	J	9.06	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-02	SDG No.:	P5299
Lab Sample ID:	P5299-04	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	79.2
Sample Wt/Vol:	30.09 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
BF140996.D	1	12/18/24 08:56	12/27/24 15:00	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
003891-98-3	Dodecane, 2,6,10-trimethyl-	310	J		9.13	ug/Kg
000629-59-4	Tetradecane	930	J		9.26	ug/Kg
007098-21-7	Tritetracontane	370	J		9.58	ug/Kg
000544-76-3	Hexadecane	350	J		9.79	ug/Kg
000629-78-7	Heptadecane	110	J		10.3	ug/Kg
000119-61-9	Benzophenone	360	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	890	J		11.9	ug/Kg
020675-96-1	trans-Sinapyl alcohol	110	J		12.0	ug/Kg
000112-79-8	9-Octadecenoic acid, (E)-	110	J		12.6	ug/Kg
000057-11-4	Octadecanoic acid	490	J		12.7	ug/Kg
018435-45-5	1-Nonadecene	450	J		13.8	ug/Kg
000630-01-3	Hexacosane	190	J		14.2	ug/Kg
000112-95-8	Eicosane	120	J		14.6	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_F\Data\BF122724\
Data File : BF140996.D
Acq On : 27 Dec 2024 15:00
Operator : RC/JU
Sample : P5299-04
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-02

Quant Time: Dec 27 15:25:39 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	239225	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	933657	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	501639	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	863212	20.000	ng	0.00
76) Chrysene-d12	13.974	240	557903	20.000	ng	-0.01
86) Perylene-d12	15.433	264	525276	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	2344195	147.710	ng	0.00
7) Phenol-d6	6.446	99	3021499	147.792	ng	0.00
23) Nitrobenzene-d5	7.387	82	1830138	125.408	ng	0.00
42) 2,4,6-Tribromophenol	10.645	330	849294	174.234	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	2894268	91.924	ng	0.00
79) Terphenyl-d14	12.933	244	3171421	94.420	ng	0.00

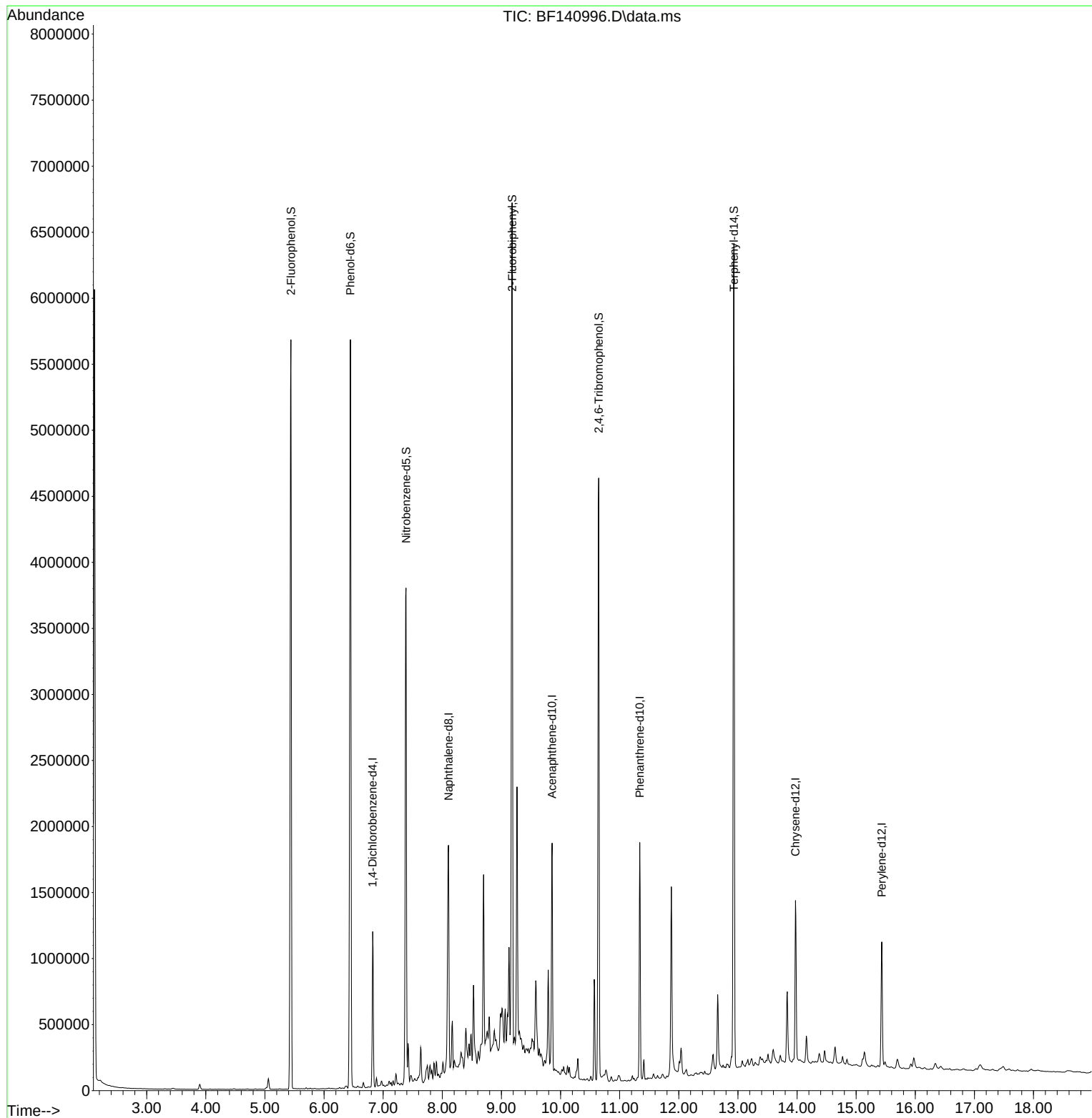
Target Compounds	Qvalue

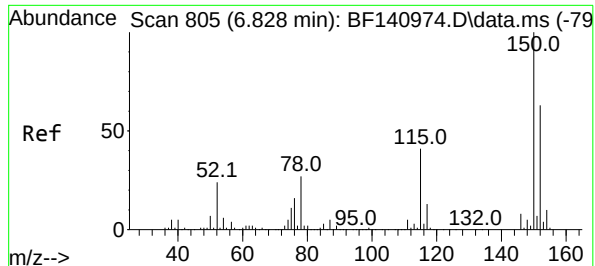
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140996.D
Acq On : 27 Dec 2024 15:00
Operator : RC/JU
Sample : P5299-04
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-02

Quant Time: Dec 27 15:25:39 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

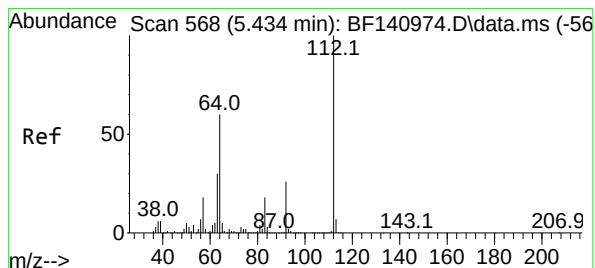
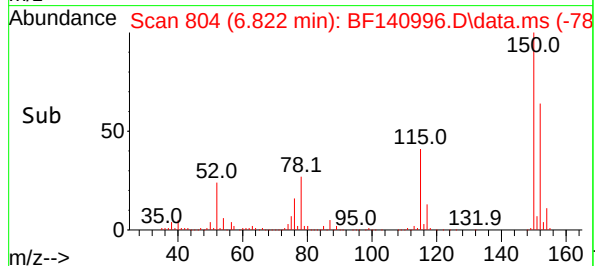
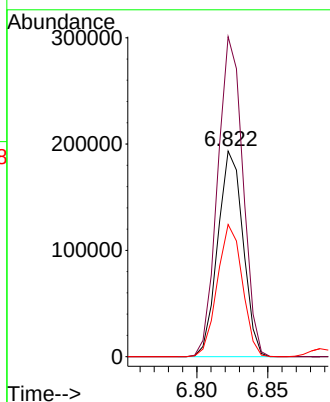
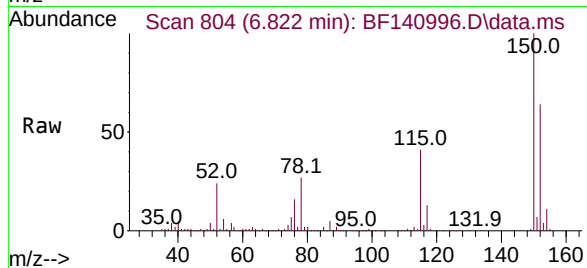




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF140996.D
Acq: 27 Dec 2024 15:00

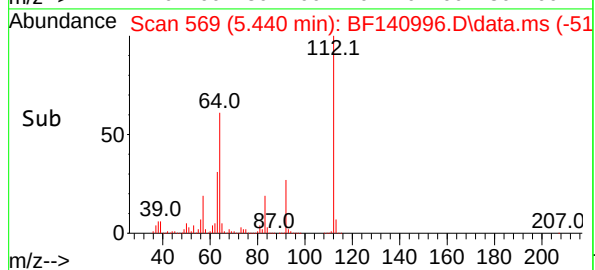
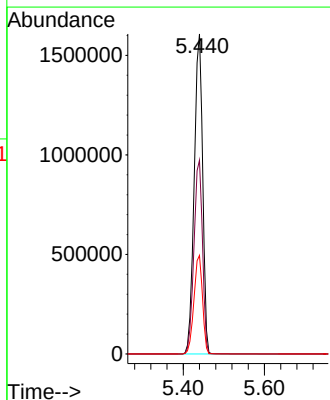
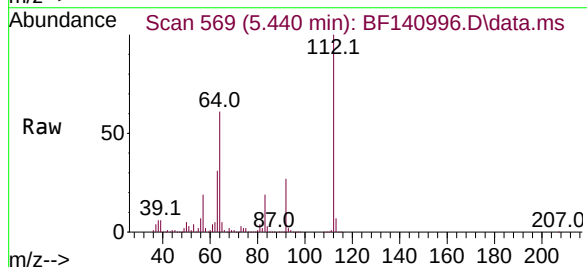
Instrument :
BNA_F
ClientSampleId :
SB-02

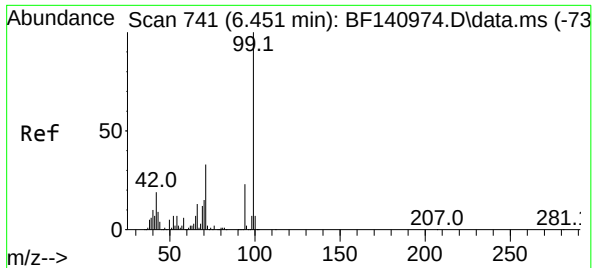
Tgt Ion:152 Resp: 239225
Ion Ratio Lower Upper
152 100
150 155.7 127.0 190.6
115 64.3 51.7 77.5



#5
2-Fluorophenol
Concen: 147.710 ng
RT: 5.440 min Scan# 569
Delta R.T. 0.006 min
Lab File: BF140996.D
Acq: 27 Dec 2024 15:00

Tgt Ion:112 Resp: 2344195
Ion Ratio Lower Upper
112 100
64 60.6 47.7 71.5
63 30.8 24.2 36.2

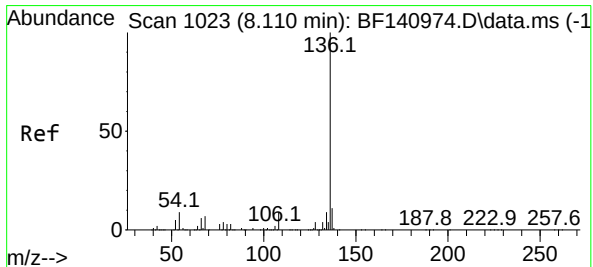
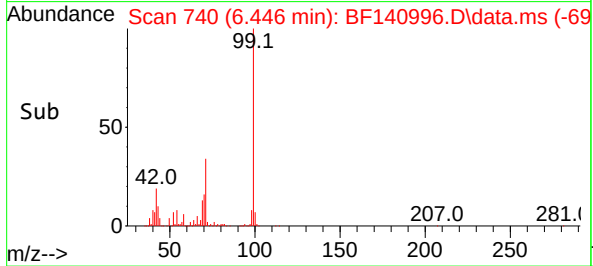
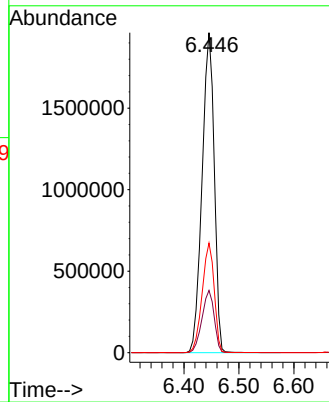
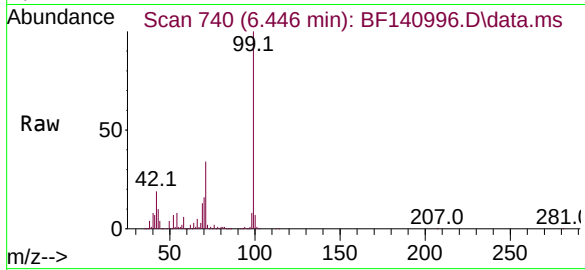




#7
Phenol-d6
Concen: 147.792 ng
RT: 6.446 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF140996.D
Acq: 27 Dec 2024 15:00

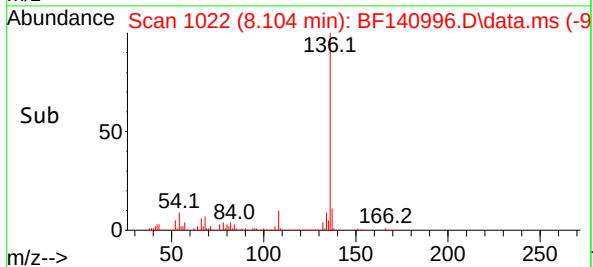
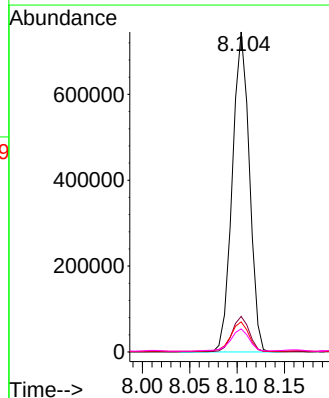
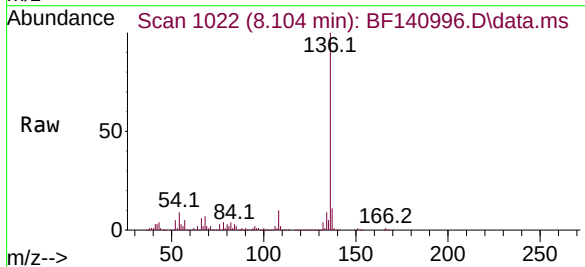
Instrument :
BNA_F
ClientSampleId :
SB-02

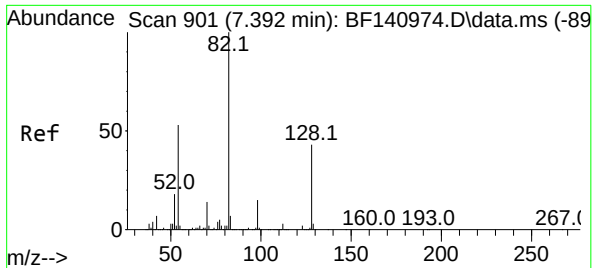
Tgt Ion: 99 Resp: 3021499
Ion Ratio Lower Upper
99 100
42 19.4 15.0 22.4
71 34.2 26.2 39.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF140996.D
Acq: 27 Dec 2024 15:00

Tgt Ion:136 Resp: 933657
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.4
54 9.4 7.6 11.4
68 7.2 5.6 8.4





#23

Nitrobenzene-d5

Concen: 125.408 ng

RT: 7.387 min Scan# 901

Delta R.T. -0.006 min

Lab File: BF140996.D

Acq: 27 Dec 2024 15:00

Instrument :

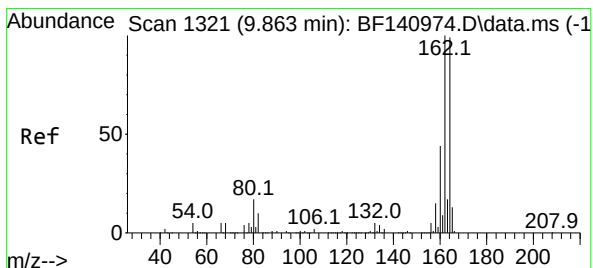
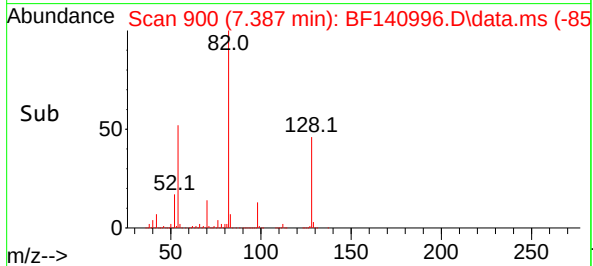
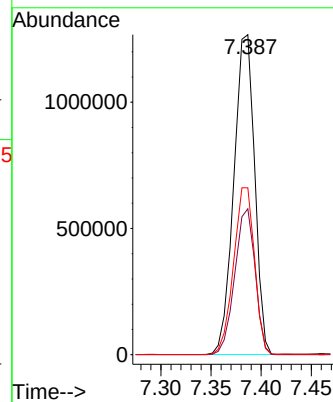
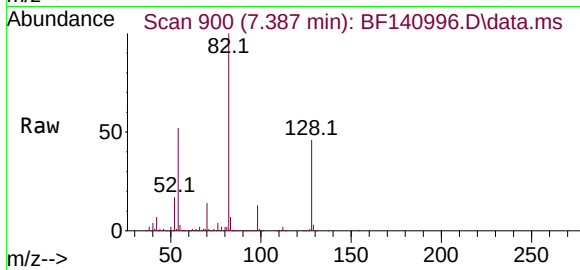
BNA_F

ClientSampleId :

SB-02

Tgt Ion: 82 Resp: 1830138

Ion	Ratio	Lower	Upper
82	100		
128	45.6	34.4	51.6
54	52.2	42.4	63.6



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.857 min Scan# 1320

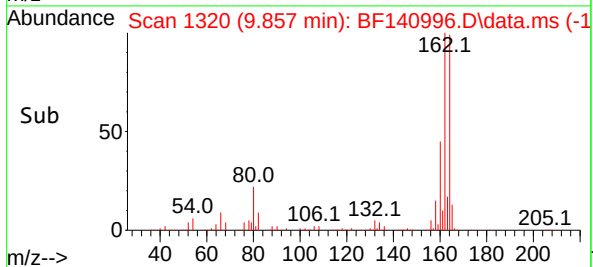
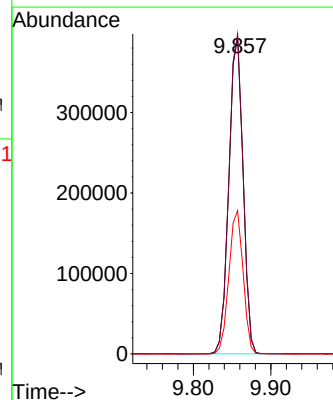
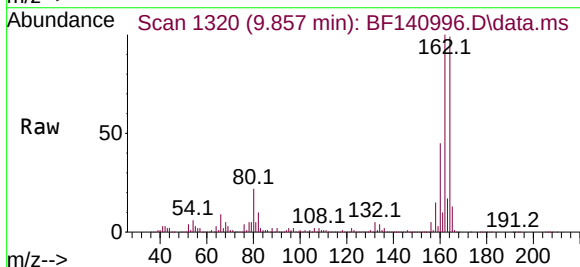
Delta R.T. -0.006 min

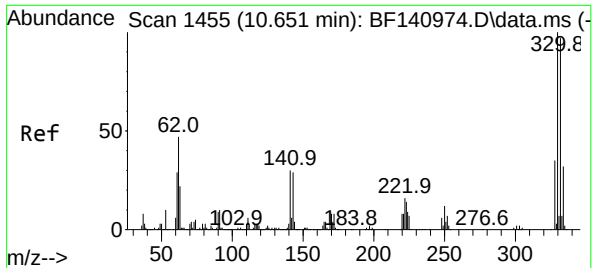
Lab File: BF140996.D

Acq: 27 Dec 2024 15:00

Tgt Ion: 164 Resp: 501639

Ion	Ratio	Lower	Upper
164	100		
162	101.1	80.6	120.8
160	45.3	35.7	53.5





#42

2,4,6-Tribromophenol

Concen: 174.234 ng

RT: 10.645 min Scan# 1455

Delta R.T. -0.006 min

Lab File: BF140996.D

Acq: 27 Dec 2024 15:00

Instrument :

BNA_F

ClientSampleId :

SB-02

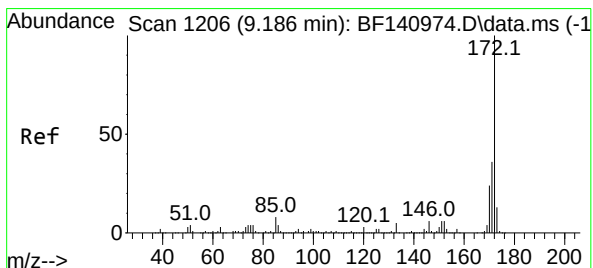
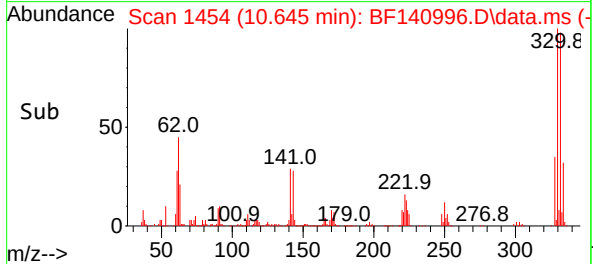
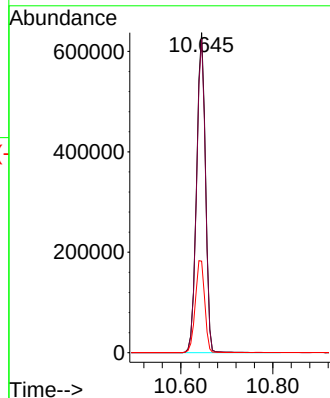
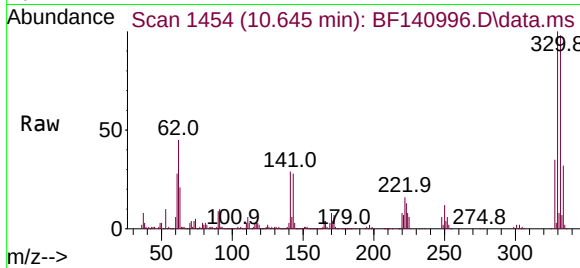
Tgt Ion:330 Resp: 849294

Ion Ratio Lower Upper

330 100

332 97.8 78.0 117.0

141 30.4 26.4 39.6



#45

2-Fluorobiphenyl

Concen: 91.924 ng

RT: 9.181 min Scan# 1205

Delta R.T. -0.006 min

Lab File: BF140996.D

Acq: 27 Dec 2024 15:00

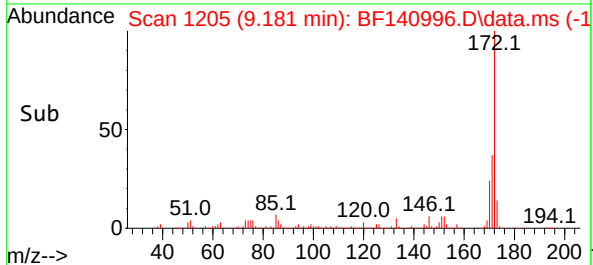
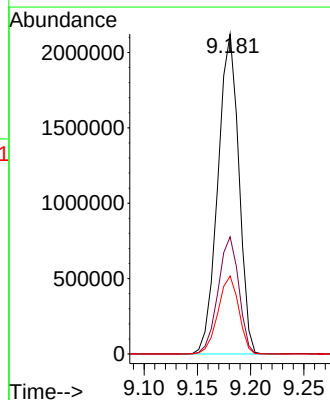
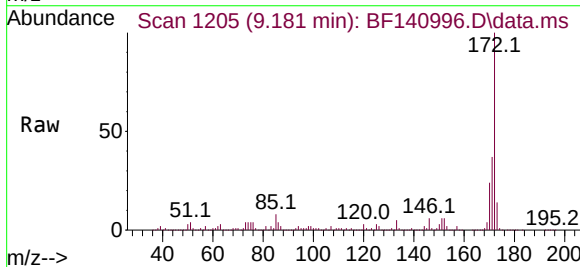
Tgt Ion:172 Resp: 2894268

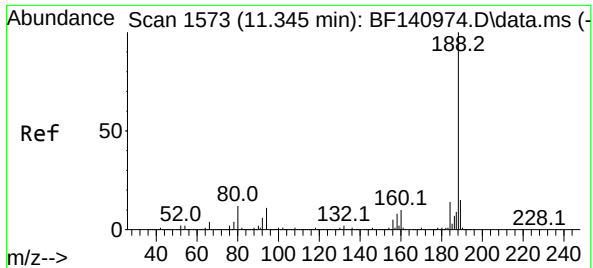
Ion Ratio Lower Upper

172 100

171 36.6 29.0 43.4

170 24.3 19.6 29.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.339 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140996.D

Acq: 27 Dec 2024 15:00

Instrument :

BNA_F

ClientSampleId :

SB-02

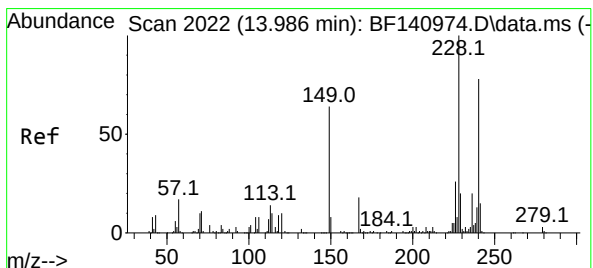
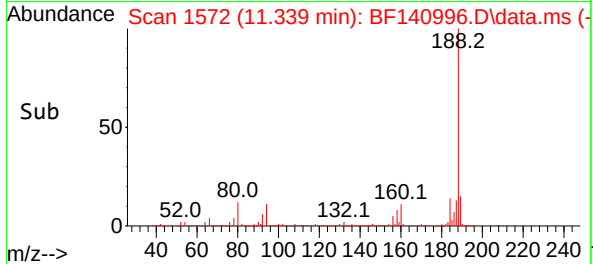
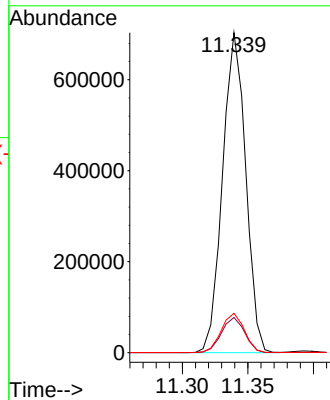
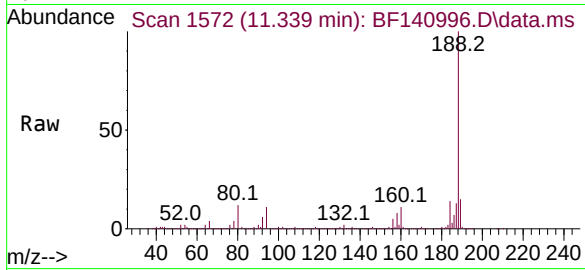
Tgt Ion:188 Resp: 863212

Ion Ratio Lower Upper

188 100

94 11.0 9.0 13.6

80 12.3 9.8 14.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.974 min Scan# 2020

Delta R.T. -0.012 min

Lab File: BF140996.D

Acq: 27 Dec 2024 15:00

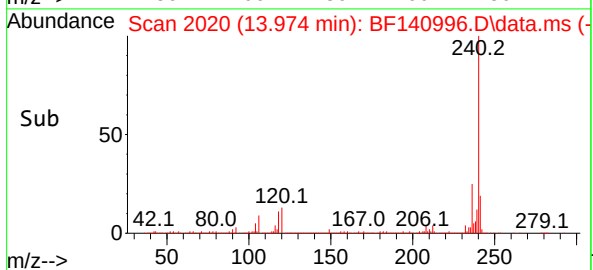
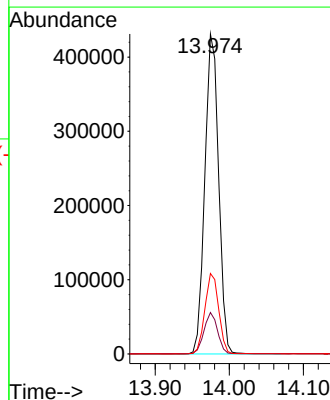
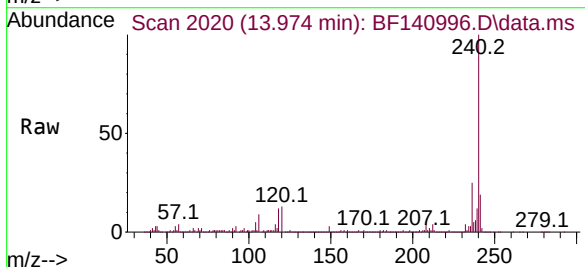
Tgt Ion:240 Resp: 557903

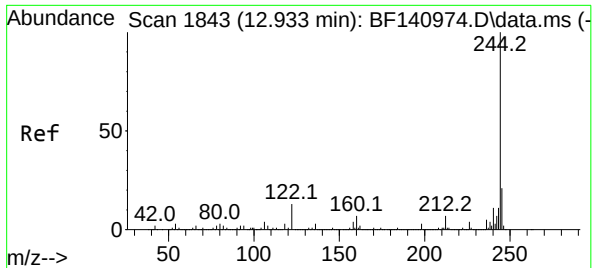
Ion Ratio Lower Upper

240 100

120 12.9 10.7 16.1

236 25.1 20.6 31.0





#79

Terphenyl-d14

Concen: 94.420 ng

RT: 12.933 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF140996.D

Acq: 27 Dec 2024 15:00

Instrument :

BNA_F

ClientSampleId :

SB-02

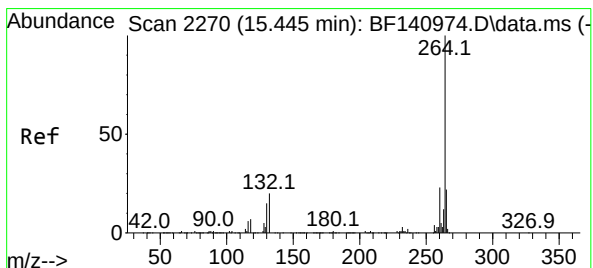
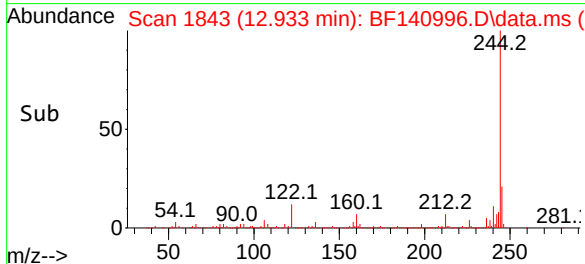
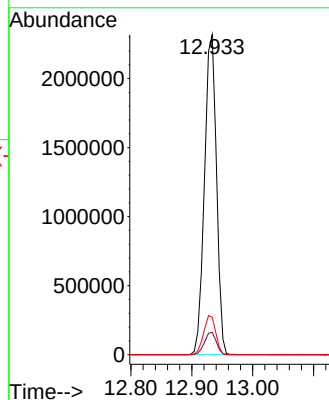
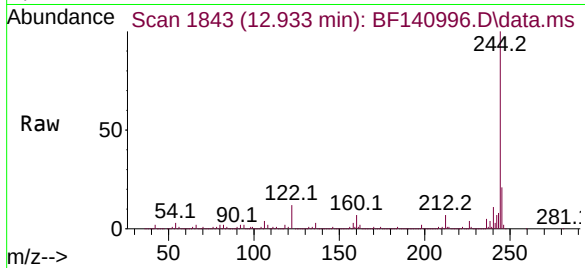
Tgt Ion:244 Resp: 3171421

Ion Ratio Lower Upper

244 100

212 7.0 5.7 8.5

122 11.7 10.2 15.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.433 min Scan# 2268

Delta R.T. -0.012 min

Lab File: BF140996.D

Acq: 27 Dec 2024 15:00

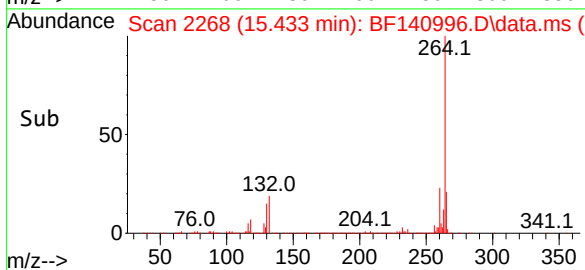
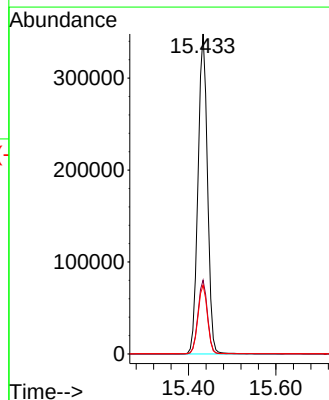
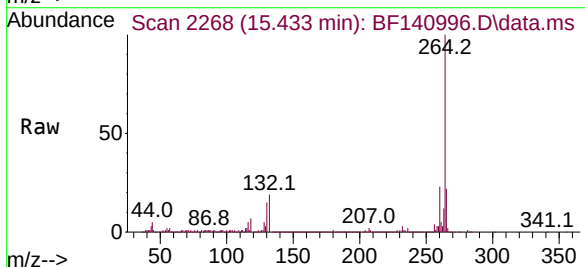
Tgt Ion:264 Resp: 525276

Ion Ratio Lower Upper

264 100

260 23.0 18.7 28.1

265 21.5 17.4 26.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
 Data File : BF140996.D
 Acq On : 27 Dec 2024 15:00
 Operator : RC/JU
 Sample : P5299-04
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-02

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF140996.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.057	499	504	513	rVB	80604	132894	1.51%	0.168%
2	5.440	561	569	574	rBV	5675334	8307613	94.41%	10.486%
3	6.446	732	740	748	rBV	5668140	8799886	100.00%	11.108%
4	6.822	799	804	811	rVB	1176859	1481695	16.84%	1.870%
5	6.887	811	815	819	rBV	68815	90747	1.03%	0.115%
6	7.216	866	871	875	rBV3	83315	125067	1.42%	0.158%
7	7.387	890	900	904	rBV	3762845	5595787	63.59%	7.063%
8	7.422	904	906	910	rVV	298425	337213	3.83%	0.426%
9	7.469	910	914	920	rVB4	45991	96122	1.09%	0.121%
10	7.634	938	942	949	rVB2	267816	407277	4.63%	0.514%
11	7.745	950	961	965	rBV4	131058	327012	3.72%	0.413%
12	7.792	965	969	972	rBV2	102186	156821	1.78%	0.198%
13	7.857	977	980	984	rBV	117382	155708	1.77%	0.197%
14	7.898	984	987	991	rVB2	104888	129664	1.47%	0.164%
15	8.010	1003	1006	1010	rBV2	83974	101246	1.15%	0.128%
16	8.104	1012	1022	1027	rVV2	1714366	3007677	34.18%	3.796%
17	8.169	1028	1033	1036	rVV	361027	459182	5.22%	0.580%
18	8.204	1036	1039	1046	rVV5	55499	92371	1.05%	0.117%
19	8.316	1054	1058	1061	rBV2	91478	145547	1.65%	0.184%
20	8.398	1066	1072	1078	rBV4	301593	620511	7.05%	0.783%
21	8.451	1078	1081	1083	rVV2	103104	99306	1.13%	0.125%
22	8.487	1083	1087	1090	rVB	198866	251236	2.85%	0.317%
23	8.528	1090	1094	1104	rVB	591803	932489	10.60%	1.177%
24	8.610	1104	1108	1111	rBV2	87956	129360	1.47%	0.163%
25	8.651	1111	1115	1116	rBV2	115851	146848	1.67%	0.185%
26	8.698	1118	1123	1127	rVV	1284151	1570346	17.85%	1.982%
27	8.792	1136	1139	1143	rVB	259710	336292	3.82%	0.424%
28	8.881	1151	1154	1157	rBV2	102376	126326	1.44%	0.159%
29	8.987	1167	1172	1173	rBV	269470	368508	4.19%	0.465%
30	9.063	1182	1185	1188	rBV	254231	286283	3.25%	0.361%
31	9.104	1188	1192	1193	rVV	212029	252563	2.87%	0.319%
32	9.128	1193	1196	1199	rVV	722189	866611	9.85%	1.094%
33	9.181	1199	1205	1209	rVB	6362160	8676357	98.60%	10.952%
34	9.263	1214	1219	1224	rBV	1942750	2553956	29.02%	3.224%
35	9.516	1260	1262	1265	rBV2	63951	98465	1.12%	0.124%
36	9.581	1268	1273	1281	rVB3	564904	1030767	11.71%	1.301%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140996.D
Acq On : 27 Dec 2024 15:00
Operator : RC/JU
Sample : P5299-04
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-02

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	9.792	1302	1309	1313	rVV	716422	979549	11.13%	1.236%
38	9.857	1314	1320	1325	rVB	1721968	2314361	26.30%	2.921%
39	10.116	1360	1364	1367	rBV3	64901	94622	1.08%	0.119%
40	10.145	1367	1369	1381	rVB	83279	126568	1.44%	0.160%
41	10.292	1386	1394	1401	rVB2	159354	297044	3.38%	0.375%
42	10.569	1436	1441	1447	rBV	765006	980364	11.14%	1.237%
43	10.645	1447	1454	1459	rBV	4557880	6329396	71.93%	7.989%
44	10.769	1472	1475	1484	rVB2	87151	182923	2.08%	0.231%
45	11.339	1567	1572	1579	rVB	1790749	2215409	25.18%	2.796%
46	11.410	1579	1584	1588	rVB2	149097	187983	2.14%	0.237%
47	11.875	1655	1663	1678	rBV	1427707	2338402	26.57%	2.952%
48	12.010	1682	1686	1687	rVV	97215	128659	1.46%	0.162%
49	12.039	1688	1691	1699	rVB2	198556	295585	3.36%	0.373%
50	12.580	1776	1783	1789	rBV2	128685	284173	3.23%	0.359%
51	12.657	1790	1796	1808	rVV	563490	935364	10.63%	1.181%
52	12.933	1837	1843	1848	rVB	6223410	8597576	97.70%	10.852%
53	13.833	1991	1996	2009	rVB	532615	858158	9.75%	1.083%
54	13.974	2015	2020	2030	rVB	1211432	1610888	18.31%	2.033%
55	14.157	2047	2051	2064	rVB	207595	359100	4.08%	0.453%
56	14.463	2100	2103	2117	rVB2	88905	165690	1.88%	0.209%
57	14.645	2130	2134	2144	rVB	121892	221649	2.52%	0.280%
58	15.433	2262	2268	2274	rBV	941316	1424816	16.19%	1.798%

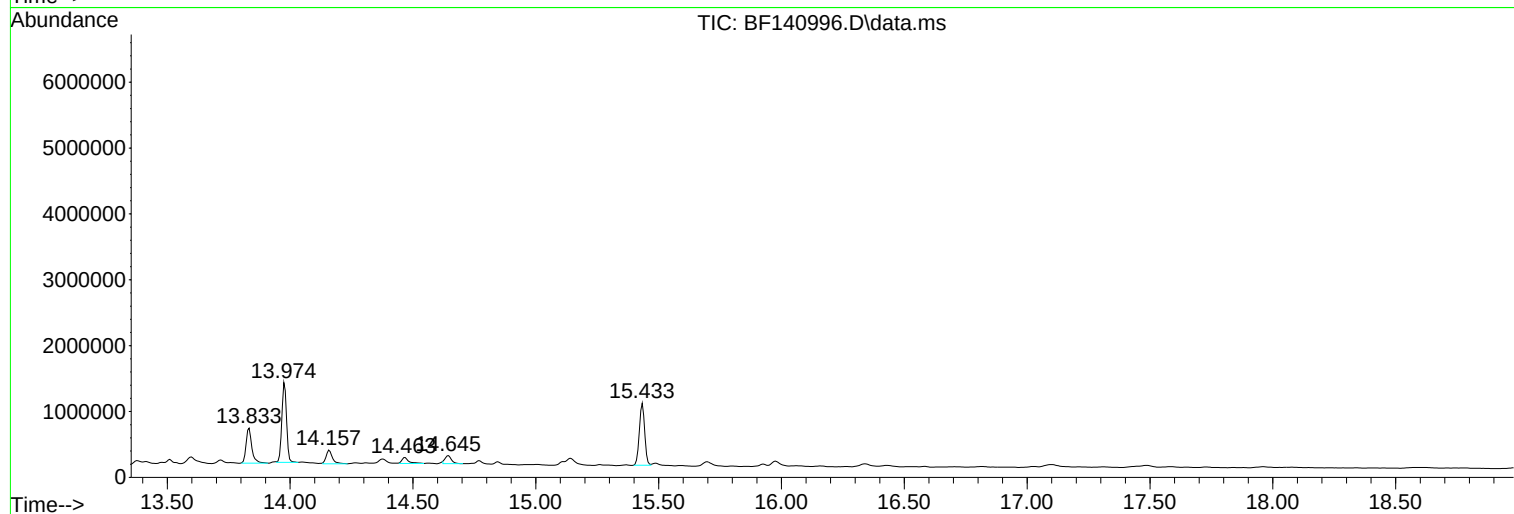
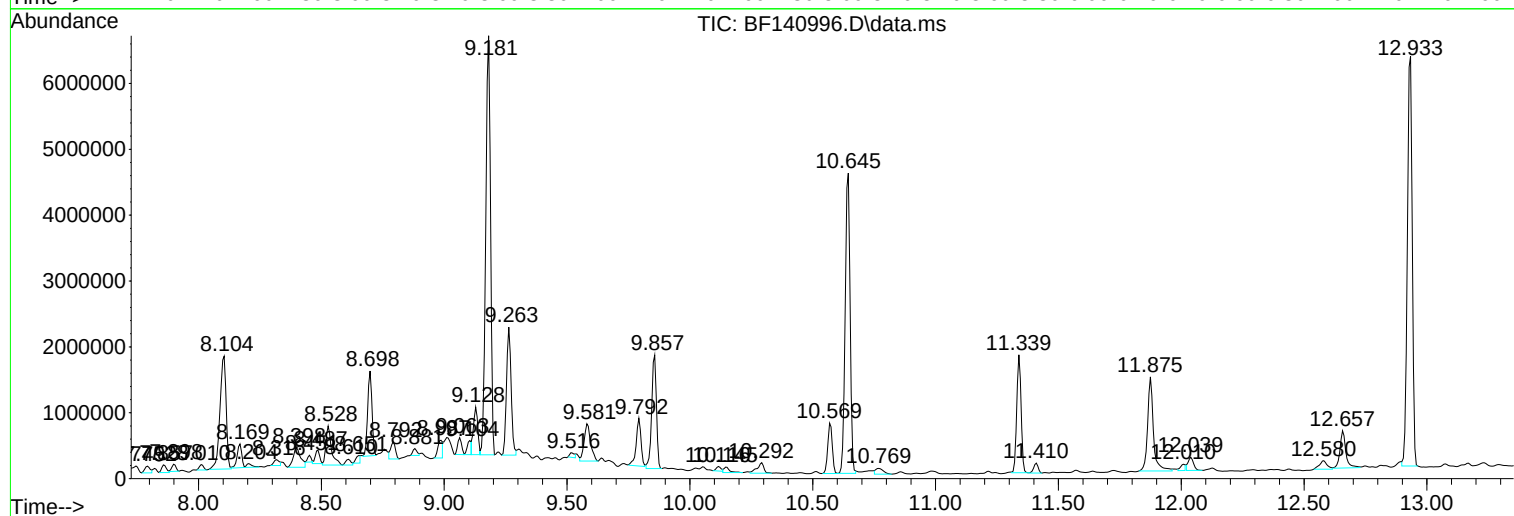
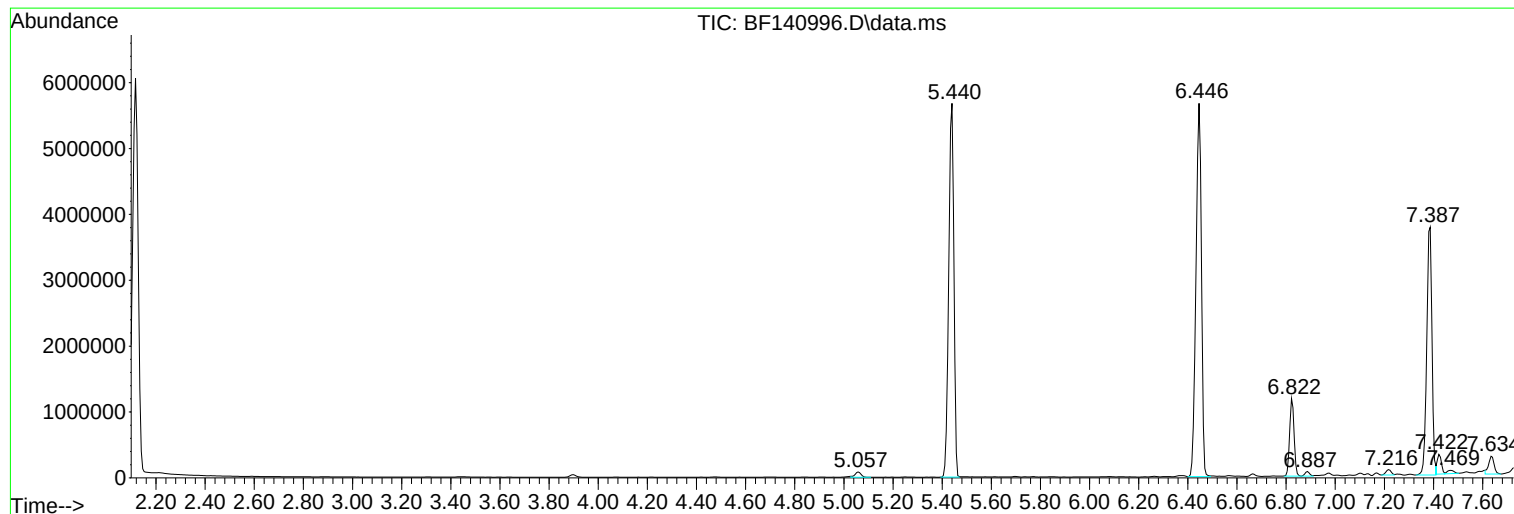
Sum of corrected areas: 79224032

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140996.D
Acq On : 27 Dec 2024 15:00
Operator : RC/JU
Sample : P5299-04
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140996.D
Acq On : 27 Dec 2024 15:00
Operator : RC/JU
Sample : P5299-04
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-02

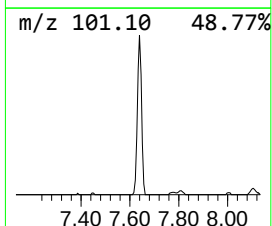
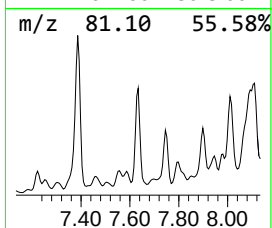
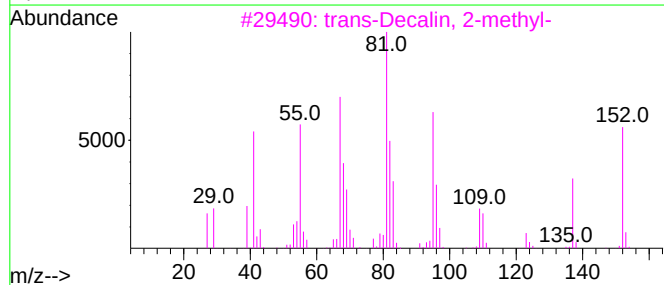
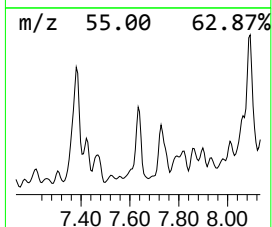
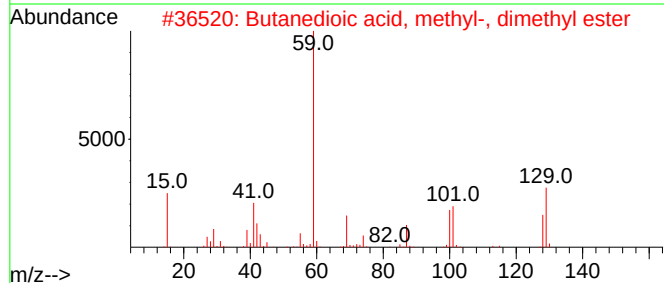
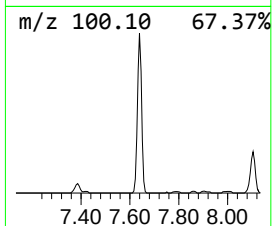
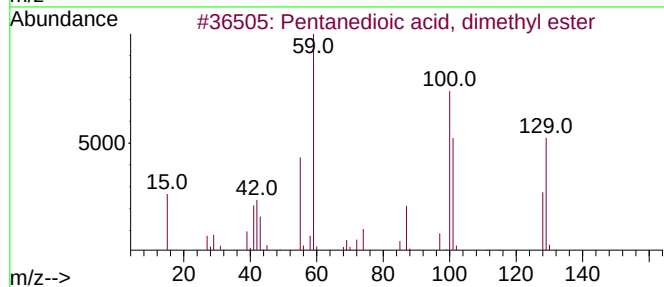
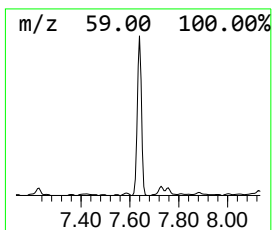
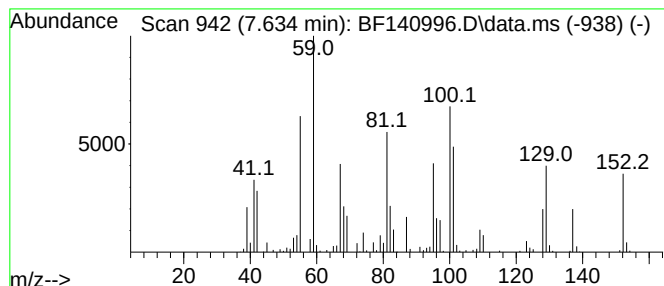
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown7.634 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.634	2.71 ng	407277	Naphthalene-d8	8.104

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentanedioic acid, dimethyl ester	160	C7H12O4	001119-40-0	49
2			Butanedioic acid, methyl-, dimet...	160	C7H12O4	001604-11-1	38
3			trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	38
4			Butyric acid, 3-bromo-, methyl e...	180	C5H9BrO2	021249-59-2	22
5			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	22



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140996.D
Acq On : 27 Dec 2024 15:00
Operator : RC/JU
Sample : P5299-04
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-02

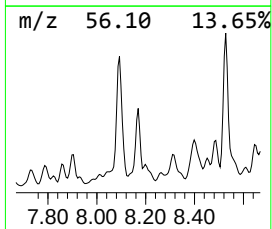
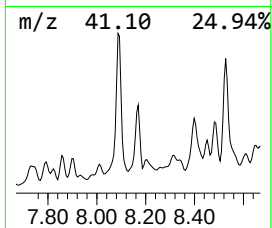
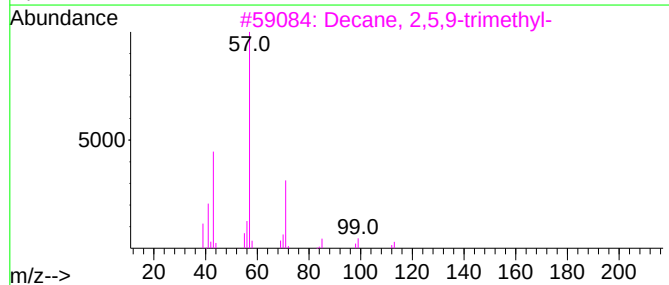
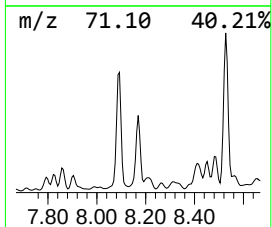
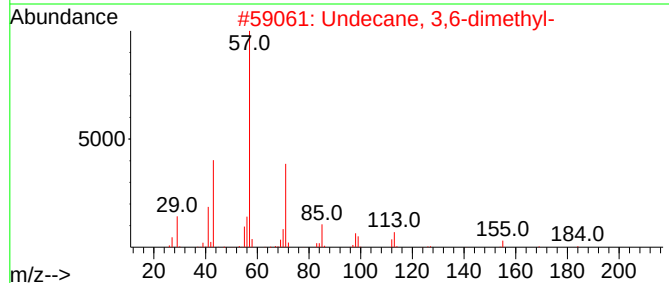
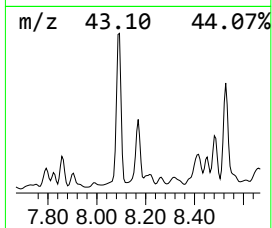
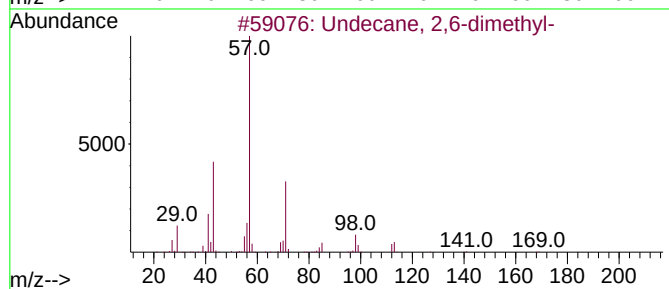
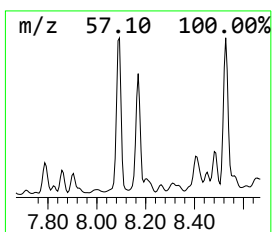
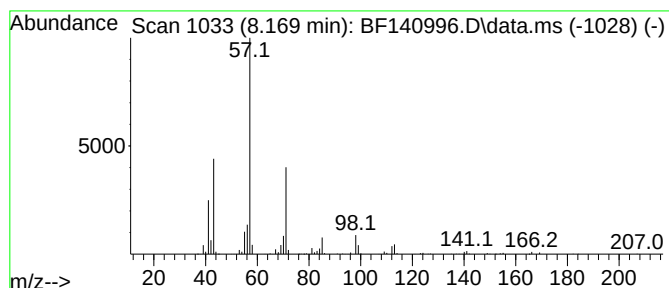
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Undecane, 2,6-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.169	3.05 ng	459182	Naphthalene-d8	8.104

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	97
2		Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	83
3		Decane, 2,5,9-trimethyl-	184	C13H28	062108-22-9	78
4		Sulfurous acid, decyl 2-ethylhex...	334	C18H38O3S	1000309-19-3	78
5		Sulfurous acid, butyl octyl ester	250	C12H26O3S	1000309-17-5	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140996.D
Acq On : 27 Dec 2024 15:00
Operator : RC/JU
Sample : P5299-04
Misc :
ALS Vial : 4 Sample Multiplier: 1

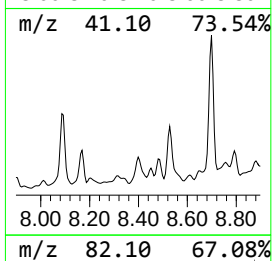
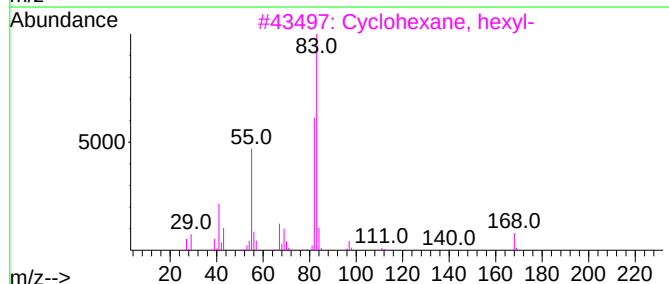
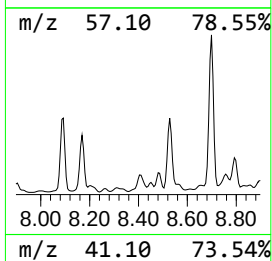
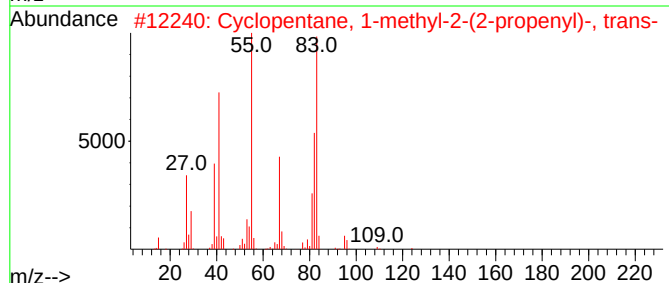
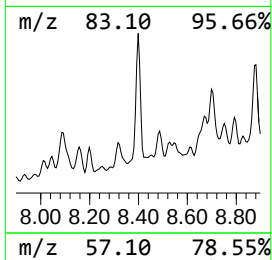
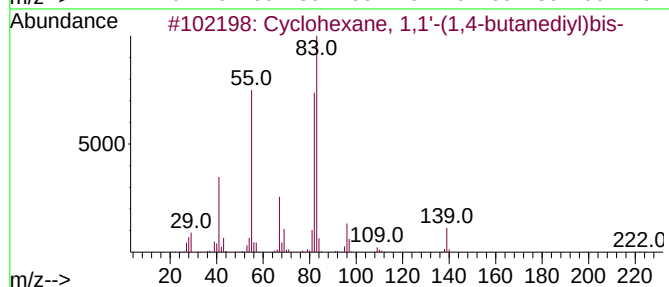
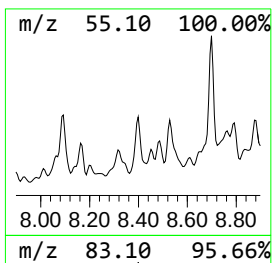
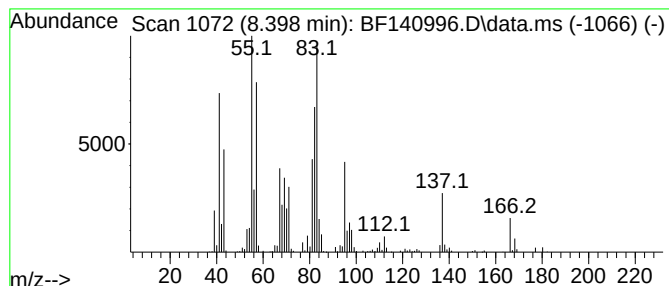
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Cyclohexane, 1,1'-(1,4-buta... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
8.398	4.13 ng	620511	Naphthalene-d8	8.104	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1'-(1,4-butanediyl)-	222	C16H30	006165-44-2	50
2	Cyclopentane, 1-methyl-2-(2-propenyl)-	124	C9H16	050746-53-7	47
3	Cyclohexane, hexyl-	168	C12H24	004292-75-5	46
4	Cyclohexane, (cyclopentylmethyl)-	166	C12H22	004431-89-4	46
5	Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140996.D
Acq On : 27 Dec 2024 15:00
Operator : RC/JU
Sample : P5299-04
Misc :
ALS Vial : 4 Sample Multiplier: 1

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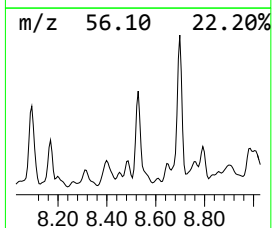
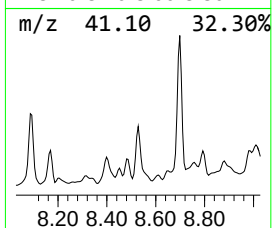
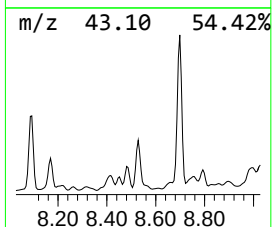
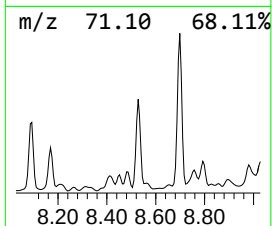
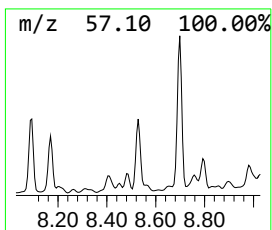
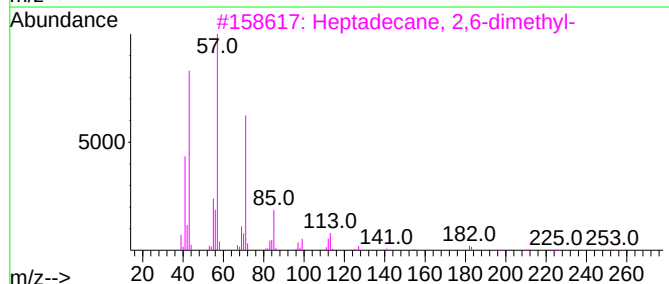
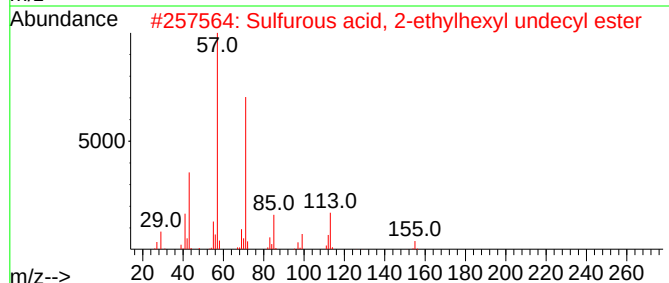
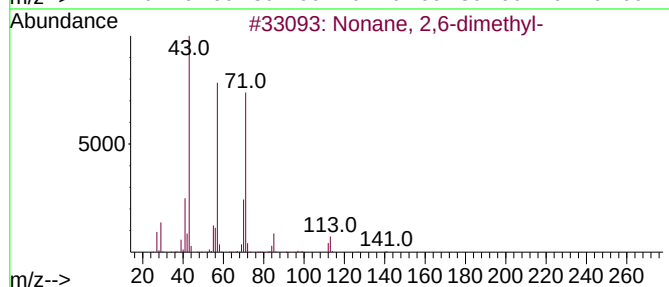
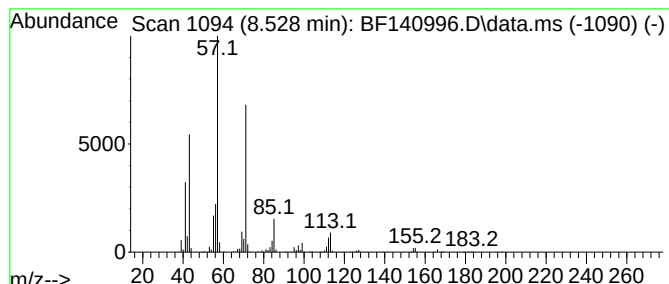
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Nonane, 2,6-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.528	6.20 ng	932489	Naphthalene-d8	8.104

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	72
2			Sulfurous acid, 2-ethylhexyl und...	348	C19H40O3S	1000309-19-4	72
3			Heptadecane, 2,6-dimethyl-	268	C19H40	054105-67-8	72
4			Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	70
5			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140996.D
Acq On : 27 Dec 2024 15:00
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ALS Vial : 4 Sample Multiplier: 1

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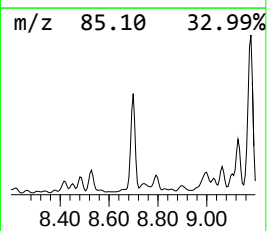
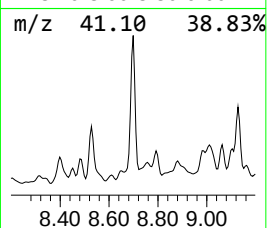
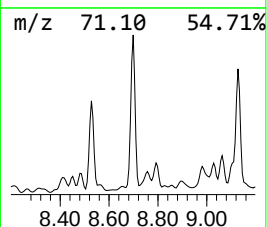
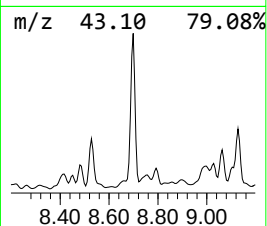
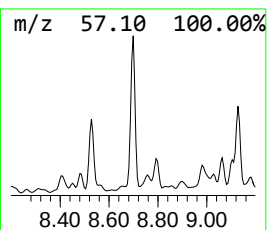
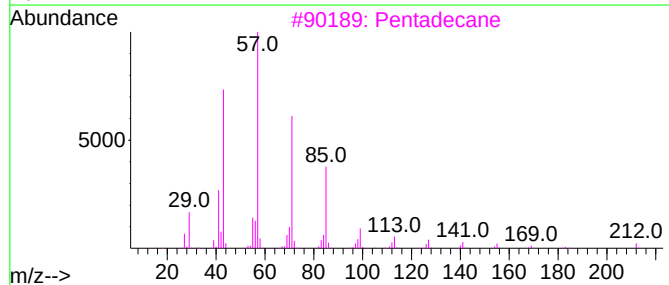
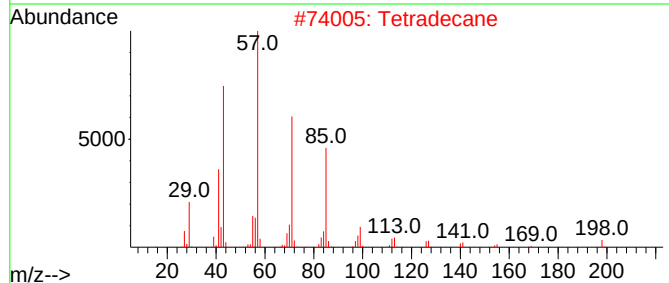
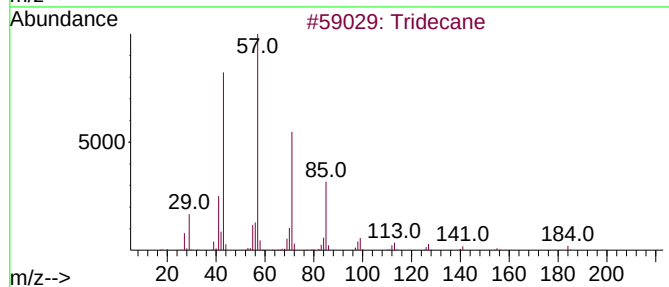
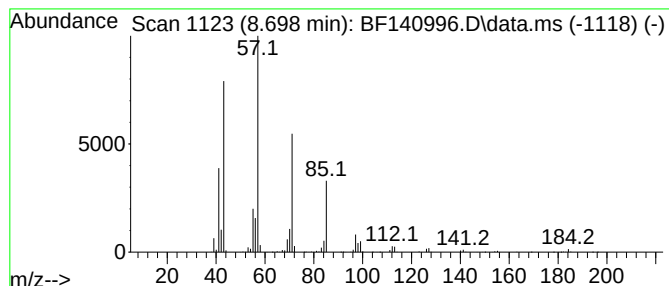
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Tridecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.698	10.44 ng	1570350	Naphthalene-d8	8.104

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecane	184	C13H28	000629-50-5	94
2			Tetradecane	198	C14H30	000629-59-4	86
3			Pentadecane	212	C15H32	000629-62-9	86
4			Pentadecane, 7-methyl-	226	C16H34	006165-40-8	78
5			Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	78



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140996.D
Acq On : 27 Dec 2024 15:00
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Sample : P5299-04
Misc :
ALS Vial : 4 Sample Multiplier: 1

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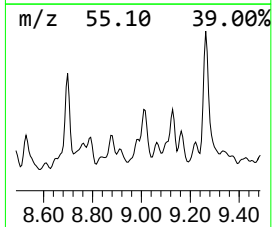
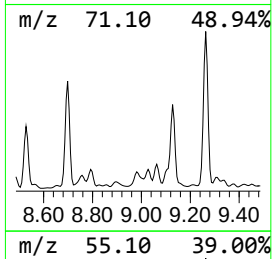
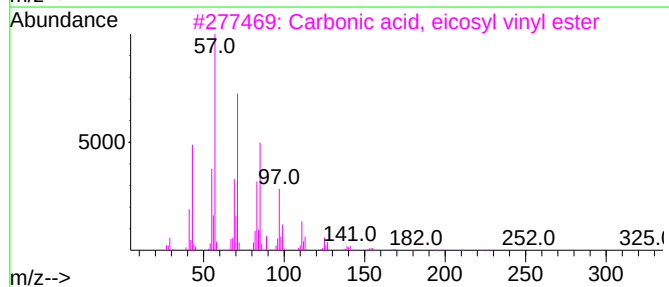
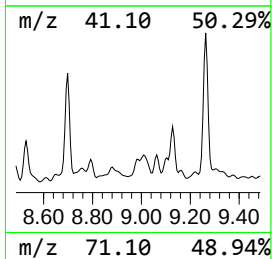
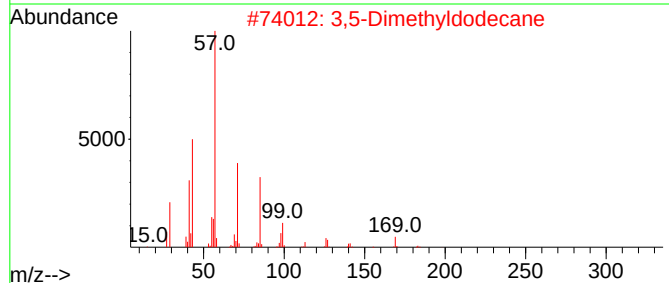
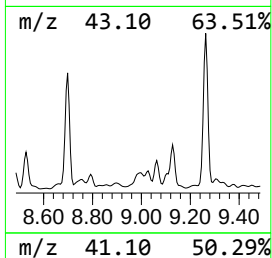
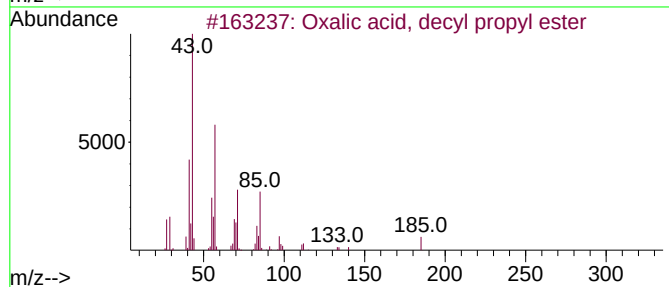
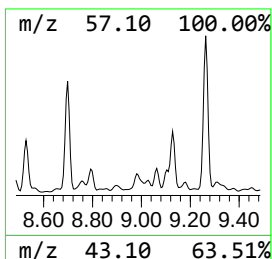
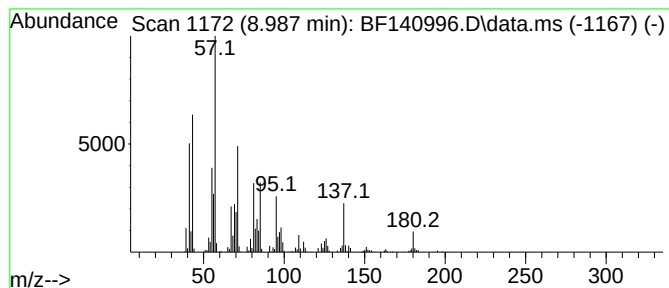
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 unknown8.987 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.987	3.18 ng	368508	Acenaphthene-d10	9.857

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Oxalic acid, decyl propyl ester	272	C15H28O4	1000309-26-3	46
2			3,5-Dimethyldodecane	198	C14H30	107770-99-0	45
3			Carbonic acid, eicosyl vinyl ester	368	C23H44O3	1000382-54-3	43
4			Carbonic acid, dodecyl vinyl ester	256	C15H28O3	1000382-54-8	43
5			Dodecane, 1-fluoro-	188	C12H25F	000334-68-9	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140996.D
Acq On : 27 Dec 2024 15:00
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Sample : P5299-04
Misc :
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ClientSampleId :
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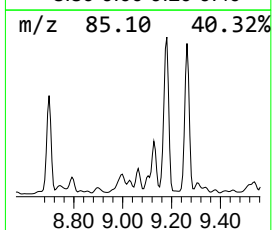
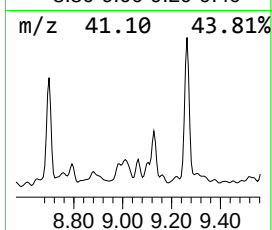
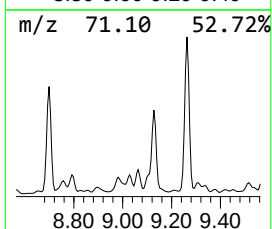
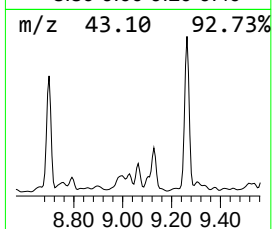
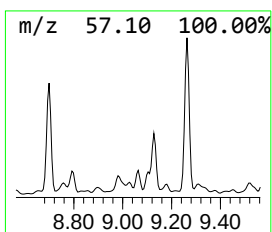
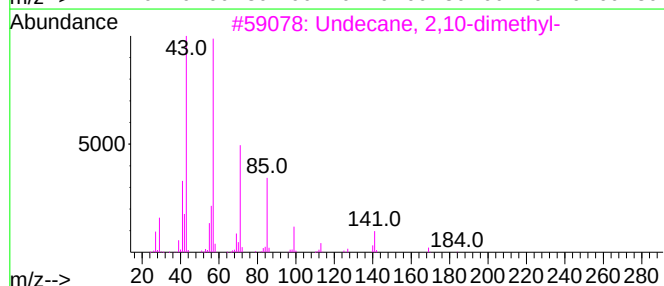
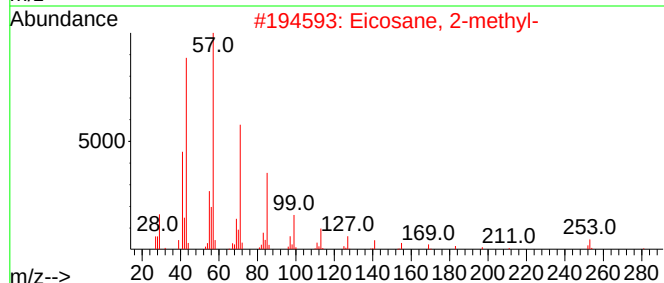
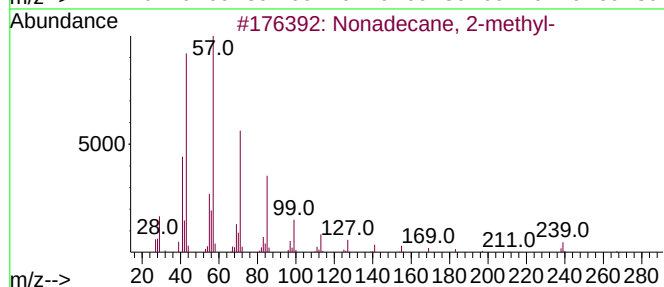
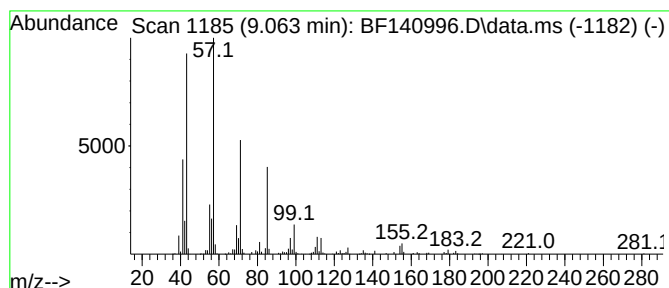
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Nonadecane, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.063	2.47 ng	286283	Acenaphthene-d10	9.857

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonadecane, 2-methyl-	282	C20H42	001560-86-7	86
2			Eicosane, 2-methyl-	296	C21H44	001560-84-5	86
3			Undecane, 2,10-dimethyl-	184	C13H28	017301-27-8	83
4			Dodecane, 1-iodo-	296	C12H25I	004292-19-7	80
5			Octadecane, 2-methyl-	268	C19H40	001560-88-9	78



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140996.D
Acq On : 27 Dec 2024 15:00
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Sample : P5299-04
Misc :
ALS Vial : 4 Sample Multiplier: 1

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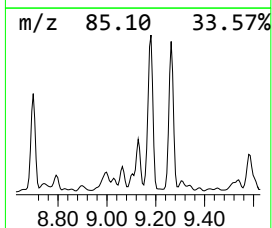
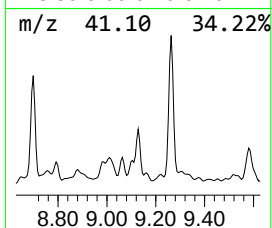
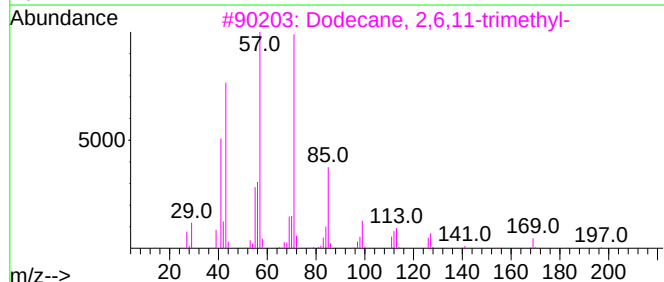
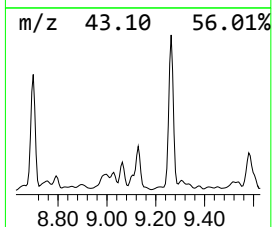
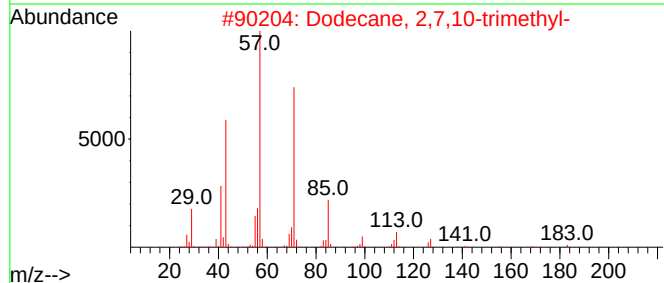
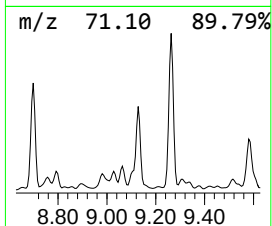
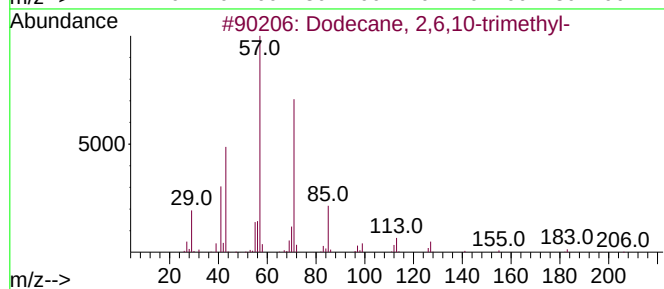
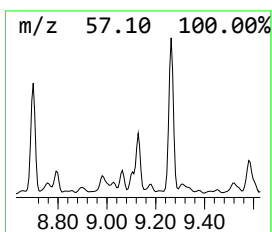
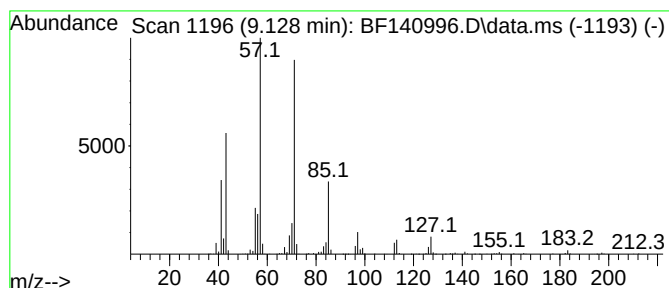
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Dodecane, 2,6,10-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.128	7.49 ng	866611	Acenaphthene-d10	9.857

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	86
2			Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	86
3			Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	64
4			Nonane, 5-butyl-	184	C13H28	017312-63-9	59
5			Octane, 3-ethyl-	142	C10H22	005881-17-4	59



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140996.D
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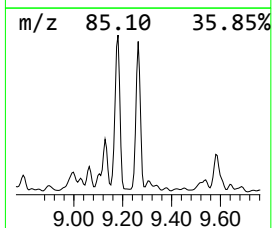
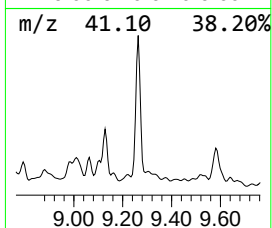
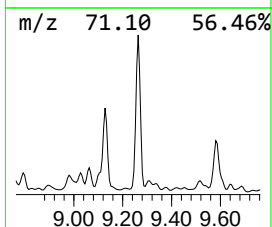
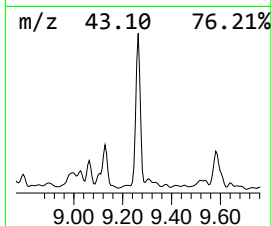
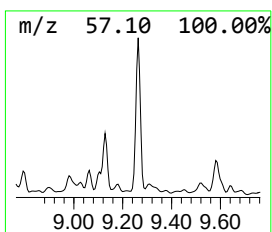
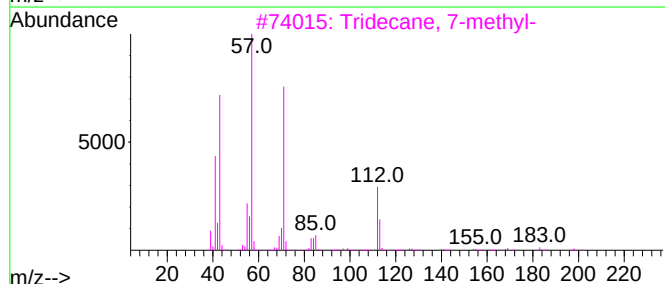
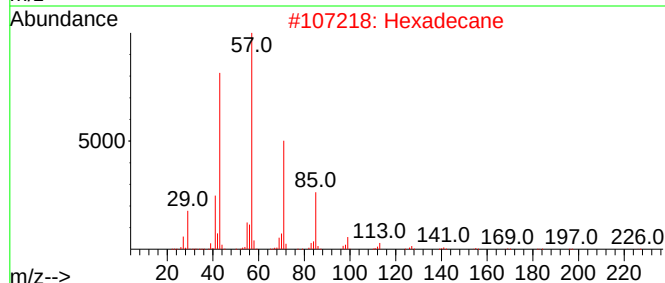
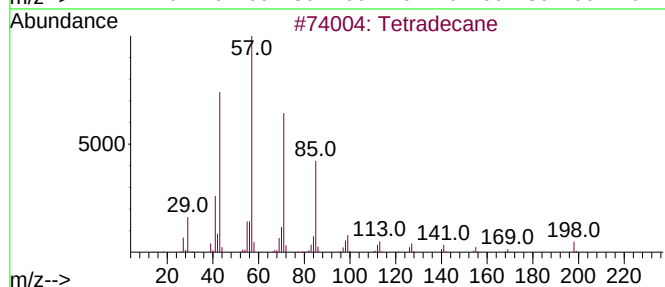
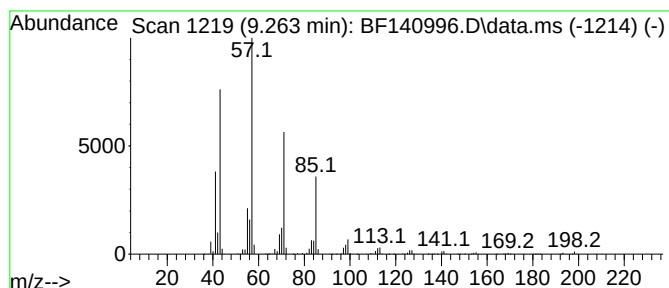
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Tetradecane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.263	22.07 ng	2553960	Acenaphthene-d10	9.857

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tetradecane	198	C14H30	000629-59-4	93
2			Hexadecane	226	C16H34	000544-76-3	91
3			Tridecane, 7-methyl-	198	C14H30	026730-14-3	81
4			Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	80
5			Tridecane, 1-iodo-	310	C13H27I	035599-77-0	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140996.D
Acq On : 27 Dec 2024 15:00
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ALS Vial : 4 Sample Multiplier: 1

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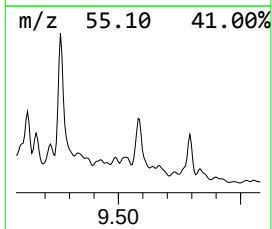
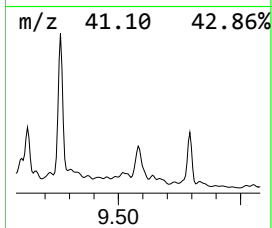
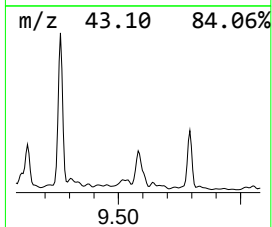
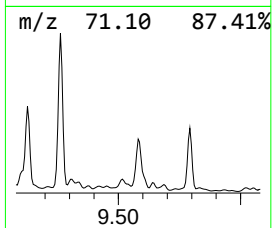
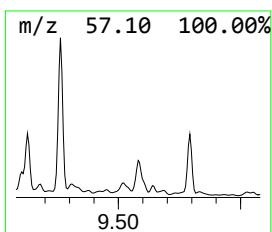
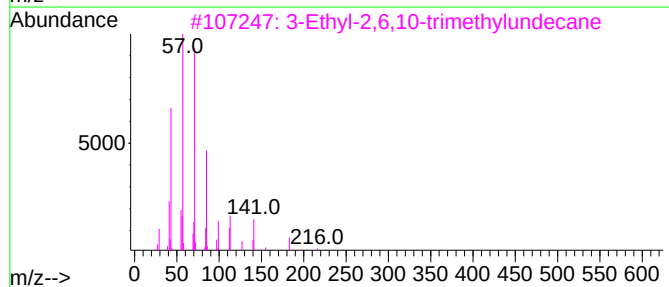
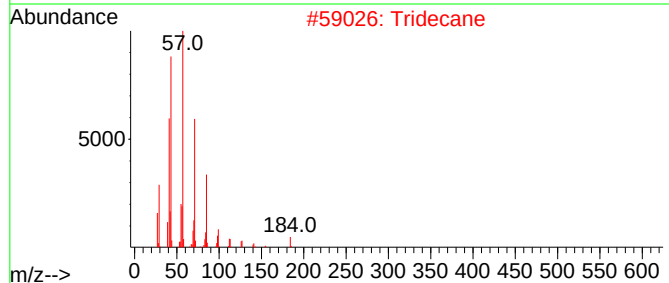
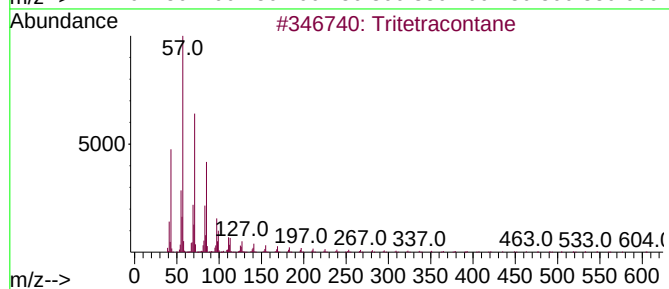
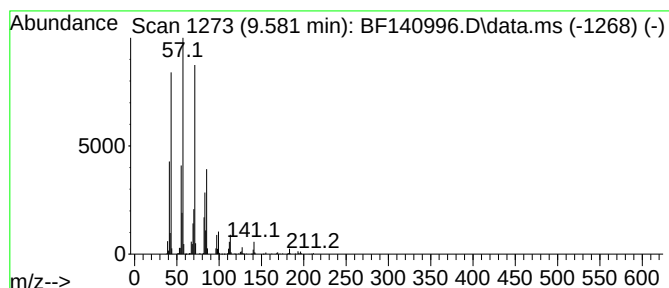
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Tritetracontane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.581	8.91 ng	1030770	Acenaphthene-d10	9.857

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tritetracontane	605	C43H88	007098-21-7	90
2		Tridecane	184	C13H28	000629-50-5	83
3		3-Ethyl-2,6,10-trimethylundecane	226	C16H34	1000432-25-9	80
4		2,6,10-Trimethyltridecane	226	C16H34	003891-99-4	80
5		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140996.D
Acq On : 27 Dec 2024 15:00
Operator : RC/JU
Sample : P5299-04
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-02

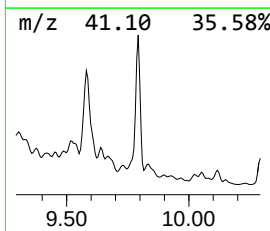
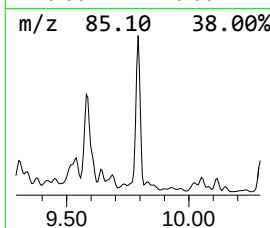
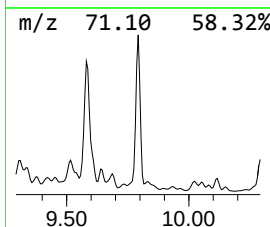
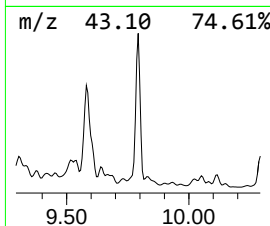
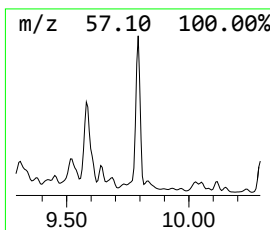
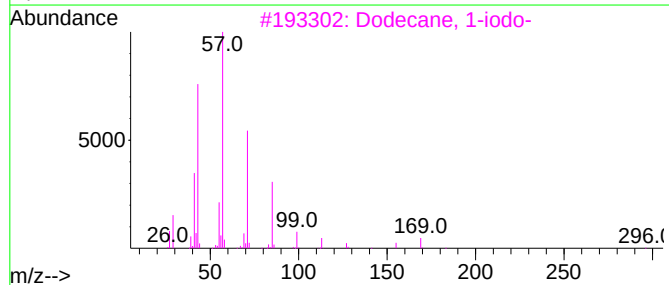
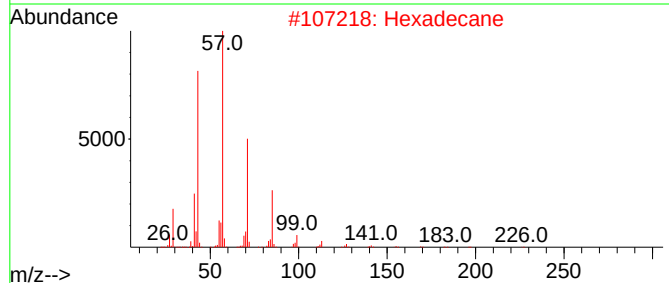
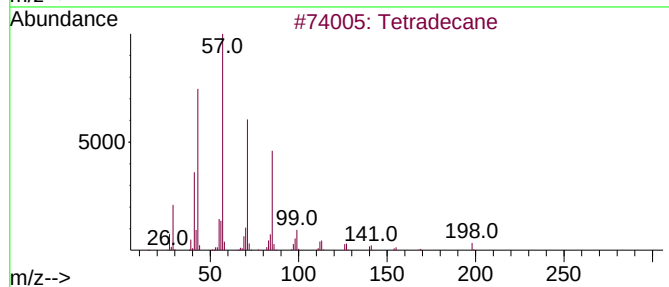
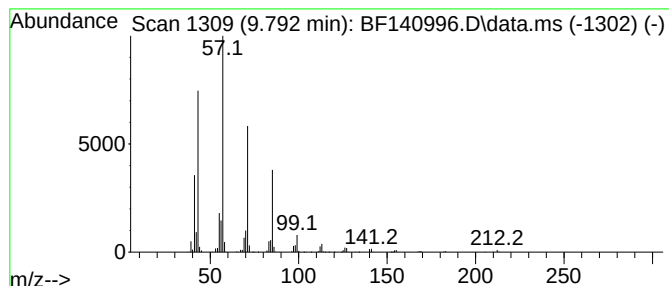
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Hexadecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.792	8.46 ng	979549	Acenaphthene-d10	9.857

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tetradecane	198	C14H30	000629-59-4	90
2			Hexadecane	226	C16H34	000544-76-3	90
3			Dodecane, 1-iodo-	296	C12H25I	004292-19-7	72
4			Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	68
5			Undecane	156	C11H24	001120-21-4	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
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Sample : P5299-04
Misc :
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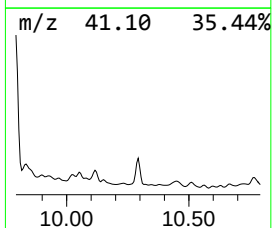
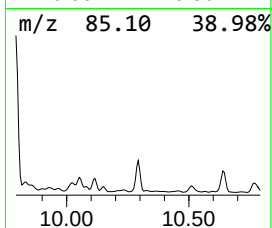
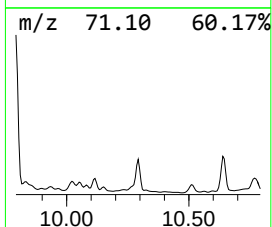
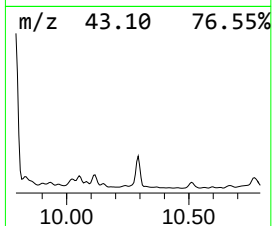
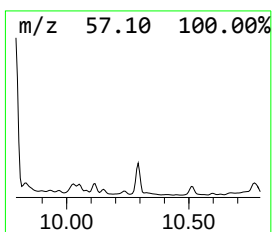
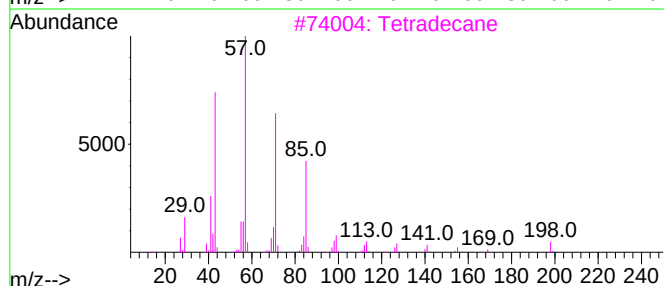
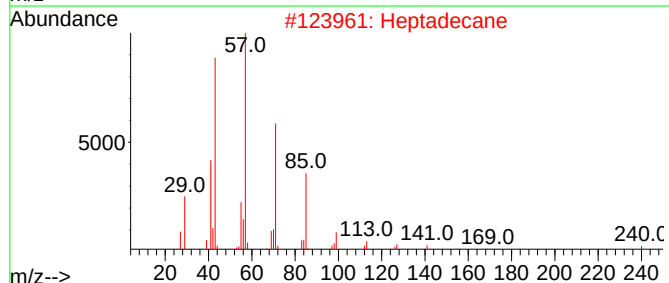
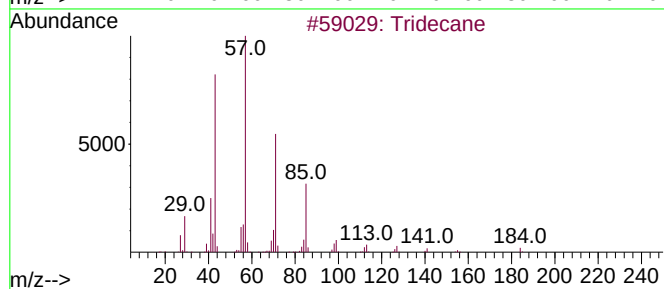
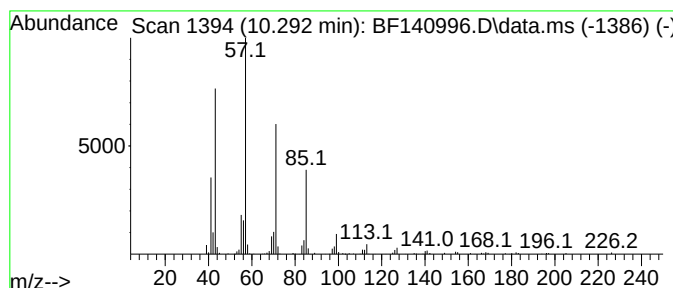
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Heptadecane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.292	2.57 ng	297044	Acenaphthene-d10	9.857	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	90
2	Heptadecane	240	C17H36	000629-78-7	90
3	Tetradecane	198	C14H30	000629-59-4	90
4	Hexadecane	226	C16H34	000544-76-3	90
5	Sulfurous acid, 2-propyl tetra...	320	C17H36O3S	1010309-12-5	86



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140996.D
Acq On : 27 Dec 2024 15:00
Operator : RC/JU
Sample : P5299-04
Misc :
ALS Vial : 4 Sample Multiplier: 1

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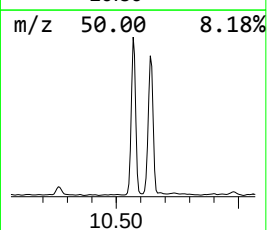
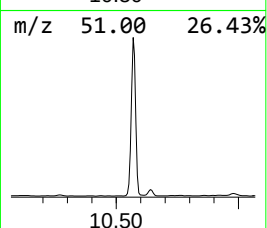
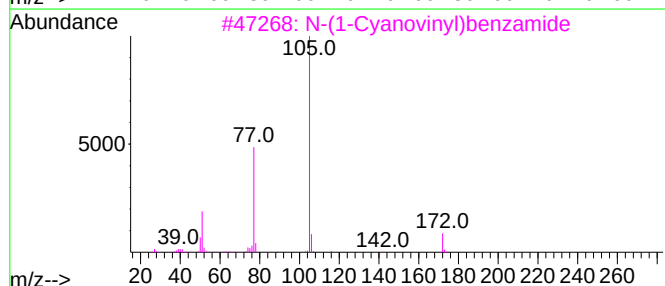
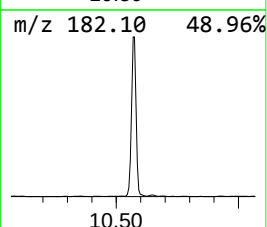
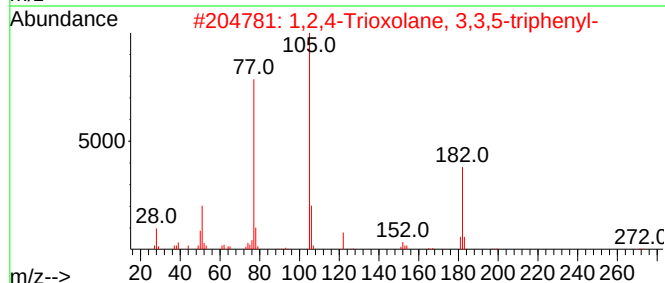
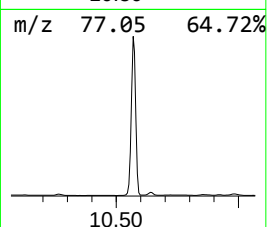
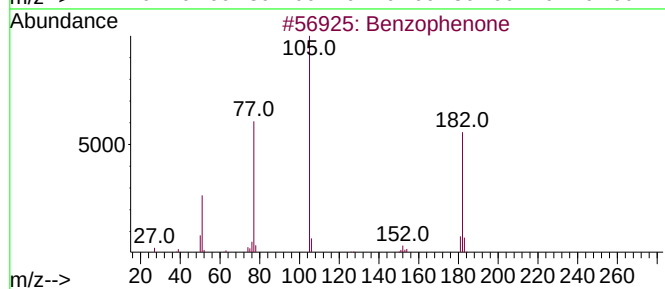
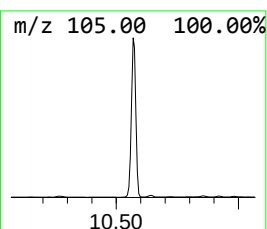
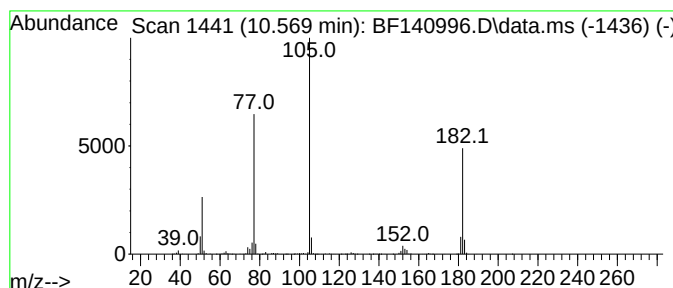
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Benzophenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.569	8.47 ng	980364	Acenaphthene-d10	9.857

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzophenone	182	C13H10O	000119-61-9	96
2		1,2,4-Trioxolane, 3,3,5-triphenyl-	304	C20H16O3	023246-12-0	72
3		N-(1-Cyanovinyl)benzamide	172	C10H8N2O	1000186-19-1	47
4		Vinyl benzoate	148	C9H8O2	000769-78-8	47
5		Benzenepropanenitrile, .beta.-oxo-	145	C9H7NO	000614-16-4	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140996.D
Acq On : 27 Dec 2024 15:00
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Sample : P5299-04
Misc :
ALS Vial : 4 Sample Multiplier: 1

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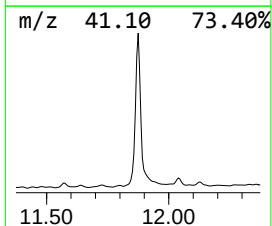
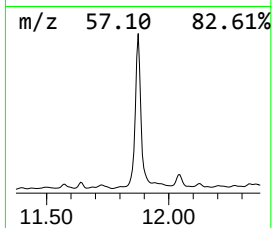
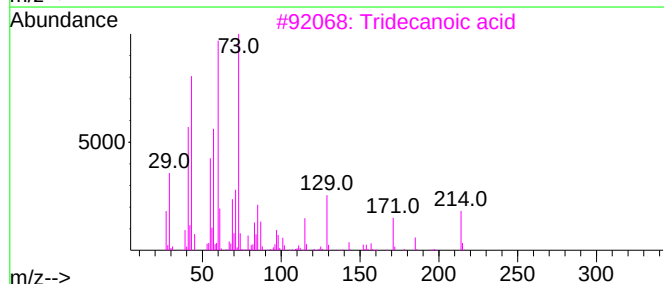
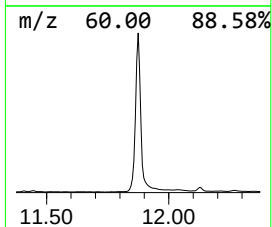
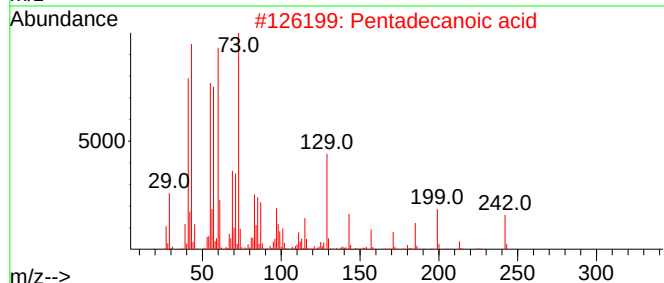
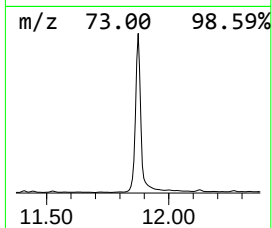
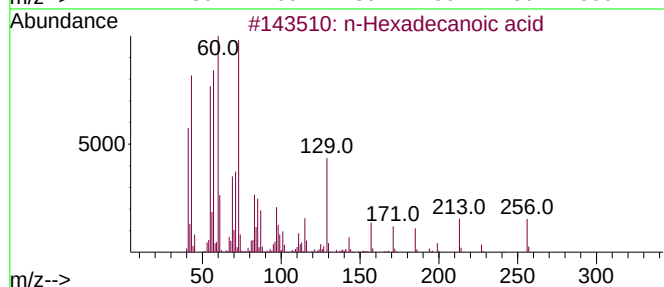
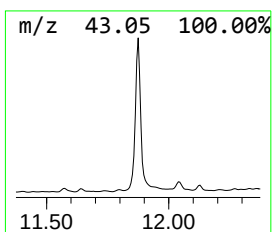
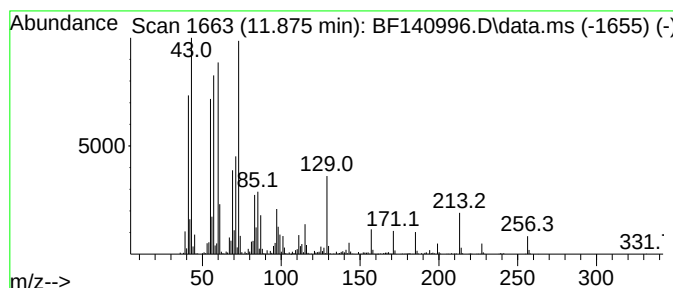
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.875	21.11 ng	2338400	Phenanthrene-d10	11.339

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	81
3		Tridecanoic acid	214	C13H26O2	000638-53-9	76
4		Tetradecanoic acid	228	C14H28O2	000544-63-8	76
5		8-Methylnonanoic acid	172	C10H20O2	005963-14-4	55



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140996.D
Acq On : 27 Dec 2024 15:00
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Sample : P5299-04
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-02

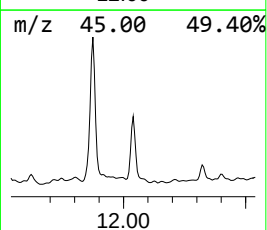
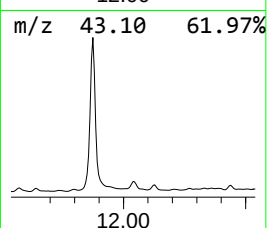
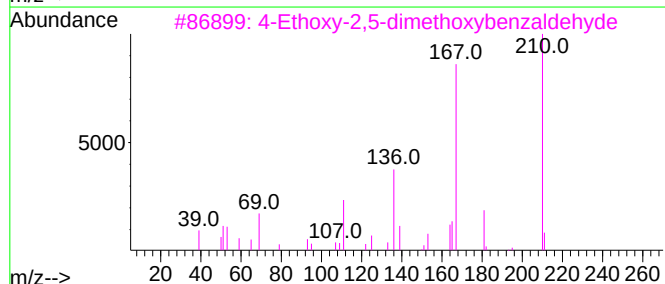
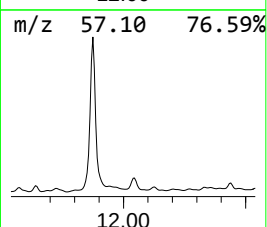
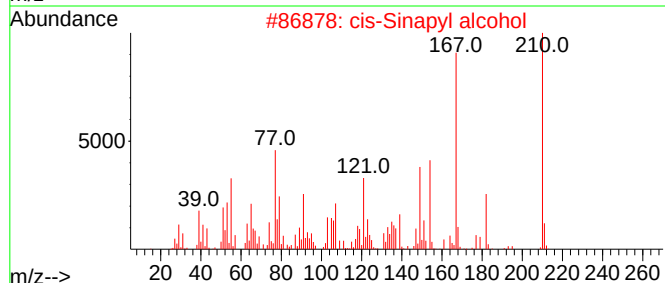
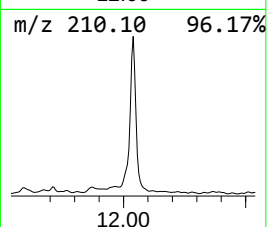
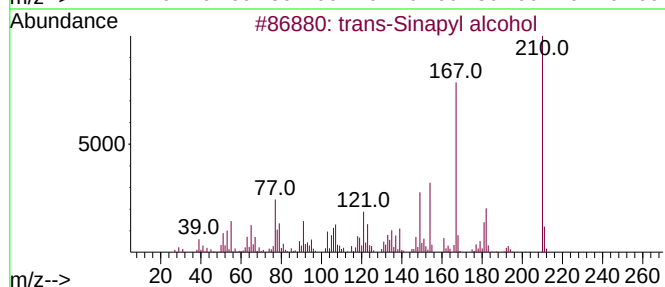
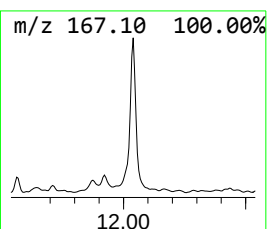
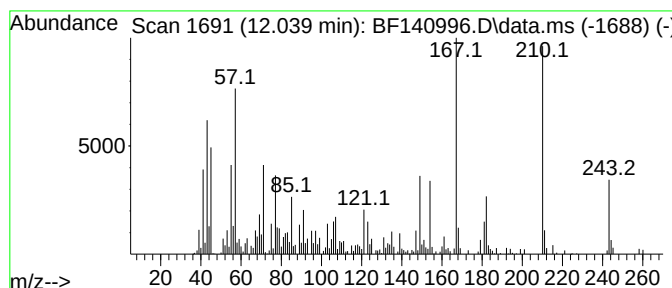
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 trans-Sinapyl alcohol Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.039	2.67 ng	295585	Phenanthrene-d10	11.339

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			trans-Sinapyl alcohol	210	C11H14O4	020675-96-1	96
2			cis-Sinapyl alcohol	210	C11H14O4	104330-63-4	78
3			4-Ethoxy-2,5-dimethoxybenzaldehyde	210	C11H14O4	1000121-30-2	60
4			4,6-Bis(ethylamino)-1,3,5-triazi...	210	C8H14N6O	293329-79-0	43
5			Syringylacetone	210	C11H14O4	019037-58-2	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
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Sample : P5299-04
Misc :
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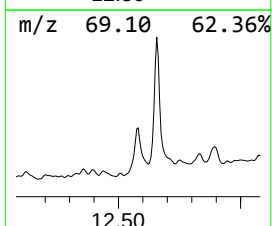
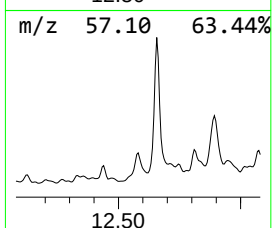
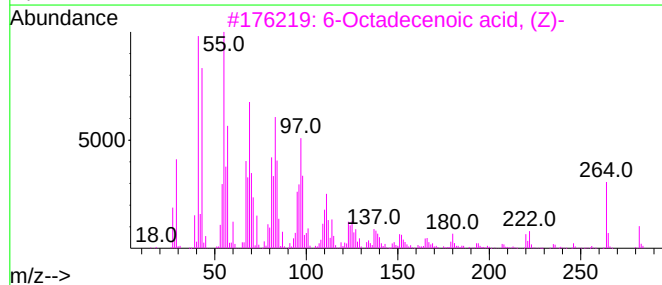
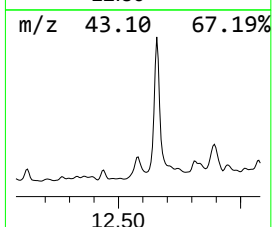
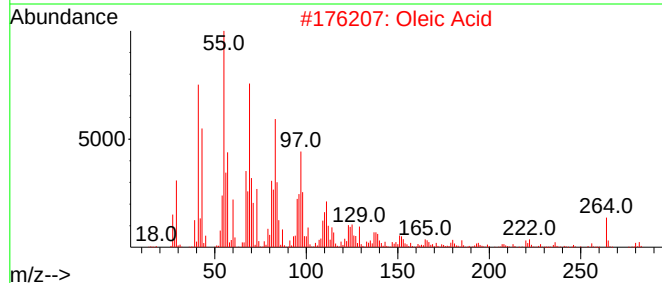
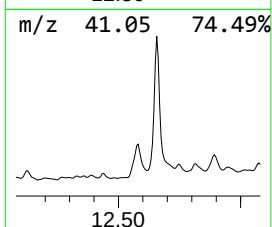
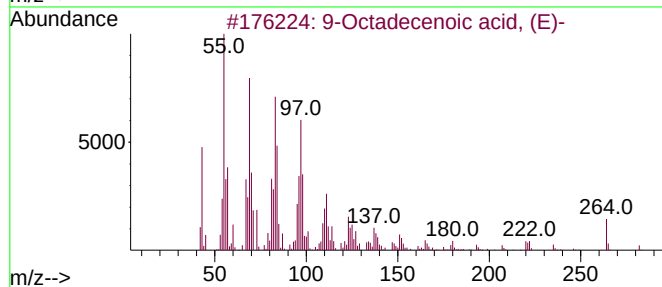
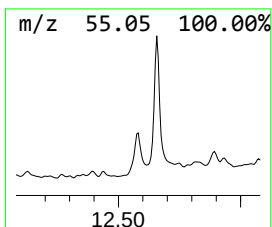
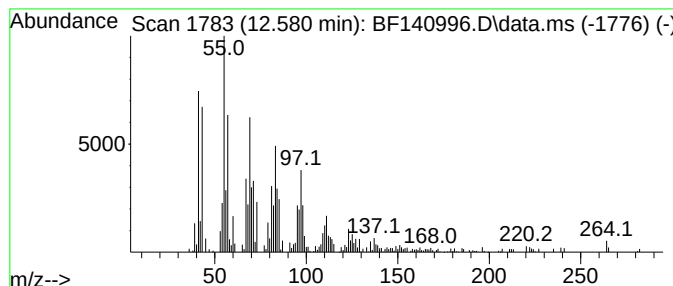
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 9-Octadecenoic acid, (E)- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.580	2.57 ng	284173	Phenanthrene-d10	11.339	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenoic acid, (E)-	282	C18H34O2	000112-79-8	99
2	Oleic Acid	282	C18H34O2	000112-80-1	99
3	6-Octadecenoic acid, (Z)-	282	C18H34O2	000593-39-5	98
4	6-Octadecenoic acid	282	C18H34O2	1000336-66-8	96
5	trans-13-Octadecenoic acid	282	C18H34O2	000693-71-0	96



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
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Acq On : 27 Dec 2024 15:00
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ALS Vial : 4 Sample Multiplier: 1

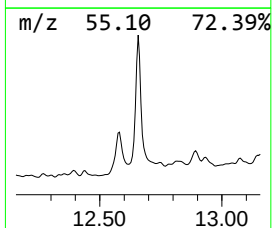
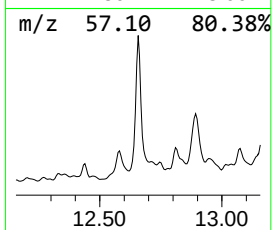
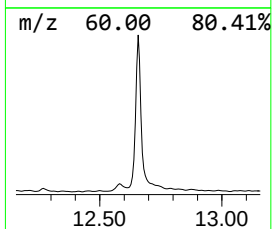
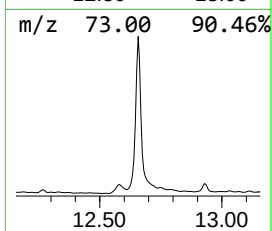
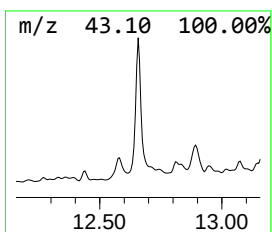
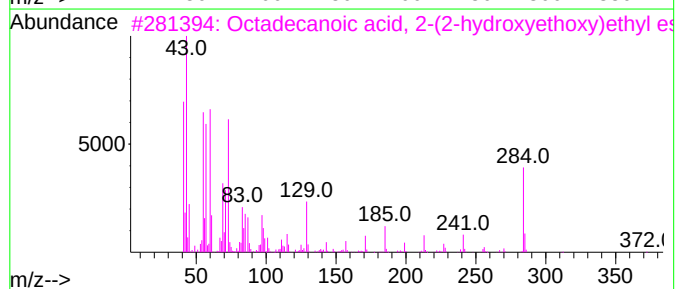
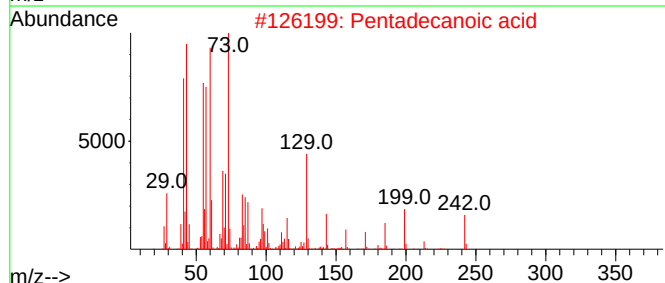
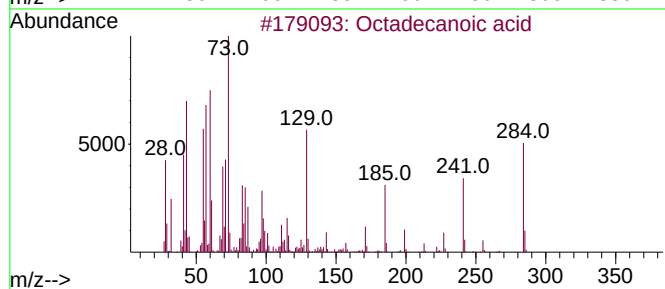
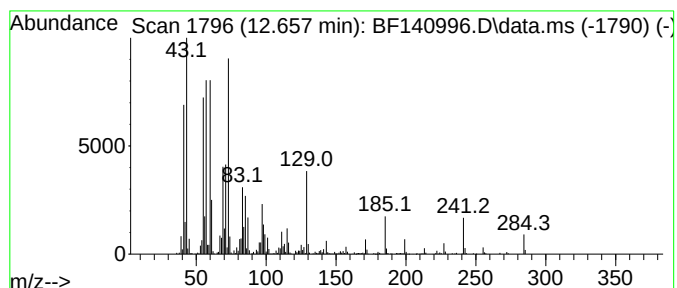
Instrument :
BNA_F
ClientSampleId :
SB-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Octadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.657	11.61 ng	935364	Chrysene-d12	13.974	
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	90
3	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	83
4	Tridecanoic acid	214	C13H26O2	000638-53-9	74
5	n-Decanoic acid	172	C10H20O2	000334-48-5	70



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140996.D
Acq On : 27 Dec 2024 15:00
Operator : RC/JU
Sample : P5299-04
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-02

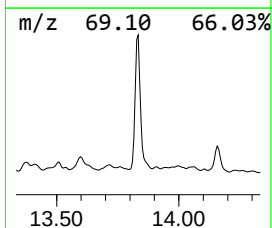
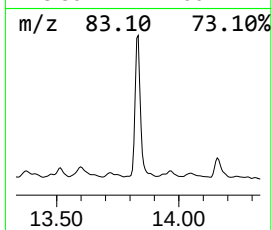
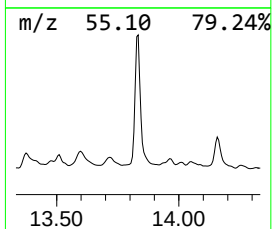
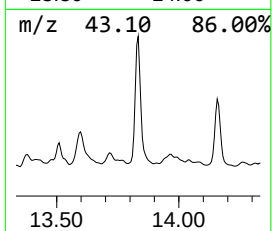
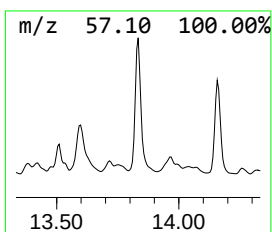
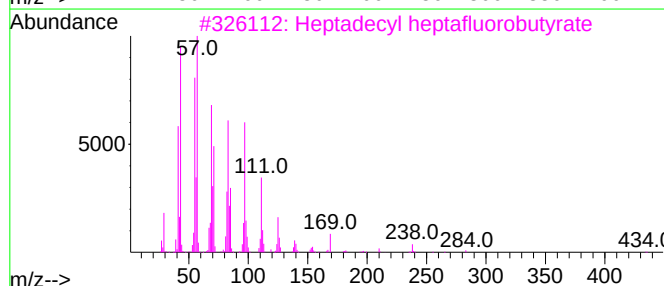
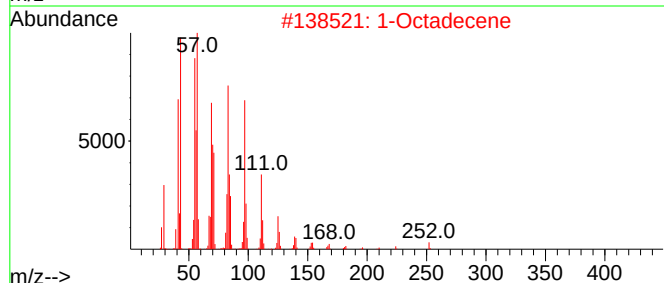
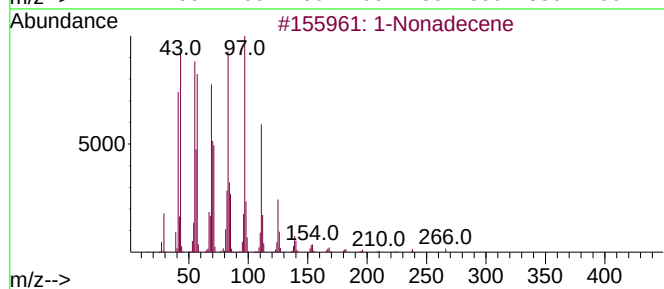
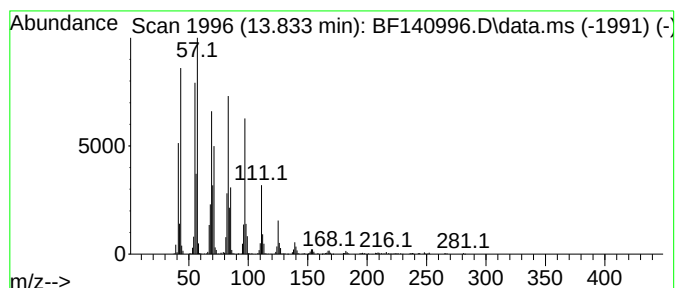
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 1-Nonadecene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.833	10.65 ng	858158	Chrysene-d12	13.974

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Nonadecene		266	C19H38	018435-45-5	97
2	1-Octadecene		252	C18H36	000112-88-9	94
3	Heptadecyl heptafluorobutyrate		452	C21H35F7O2	959085-66-6	94
4	Octacosanol		410	C28H58O	000557-61-9	94
5	Pentadecafluorooctanoic acid, oc...		666	C26H37F15O2	1000406-04-8	94



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140996.D
Acq On : 27 Dec 2024 15:00
Operator : RC/JU
Sample : P5299-04
Misc :
ALS Vial : 4 Sample Multiplier: 1

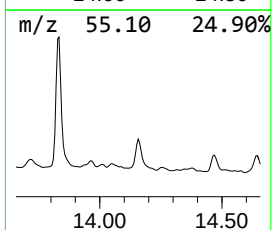
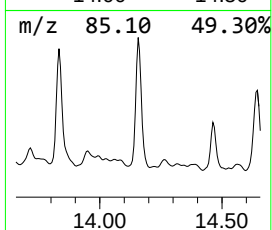
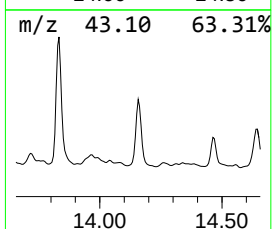
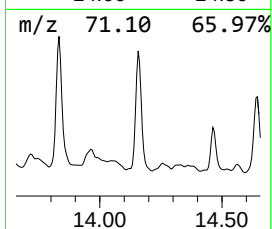
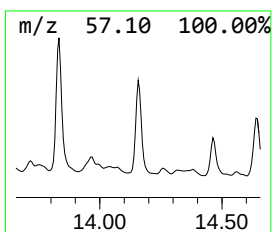
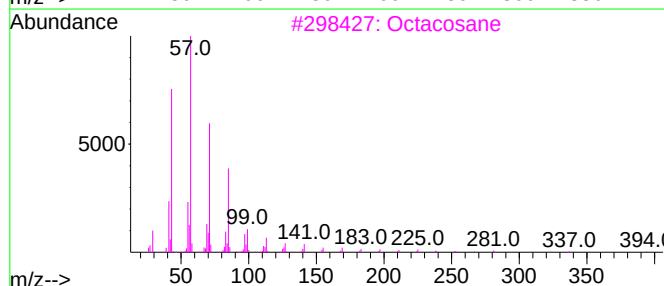
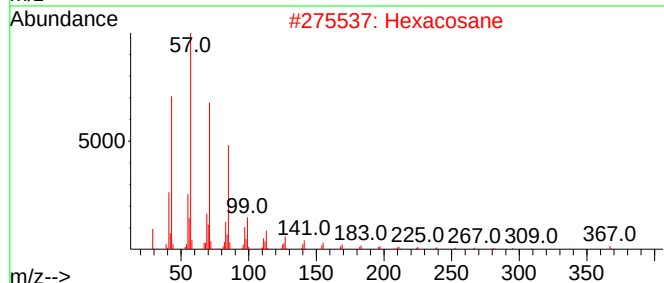
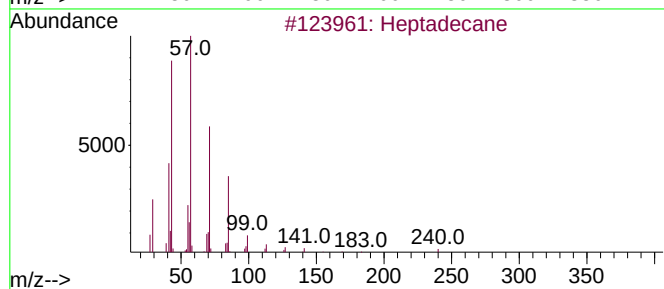
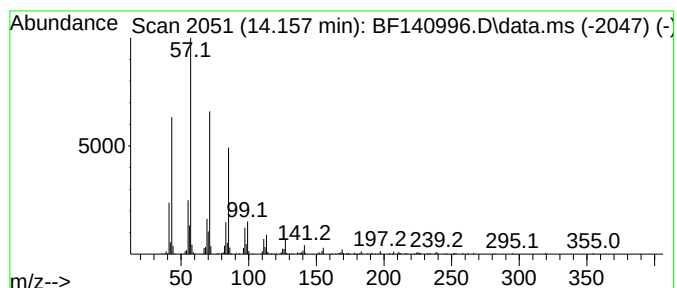
Instrument :
BNA_F
ClientSampleId :
SB-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Hexacosane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.157	4.46 ng	359100	Chrysene-d12	13.974	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	94
2	Hexacosane	366	C26H54	000630-01-3	91
3	Octacosane	394	C28H58	000630-02-4	91
4	Heneicosane	296	C21H44	000629-94-7	91
5	Tetracosane	338	C24H50	000646-31-1	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140996.D
Acq On : 27 Dec 2024 15:00
Operator : RC/JU
Sample : P5299-04
Misc :
ALS Vial : 4 Sample Multiplier: 1

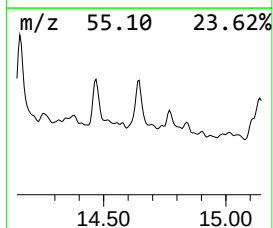
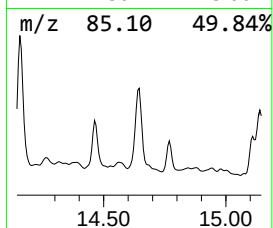
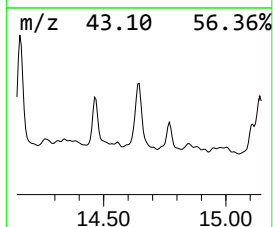
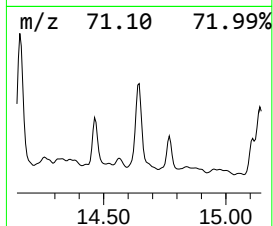
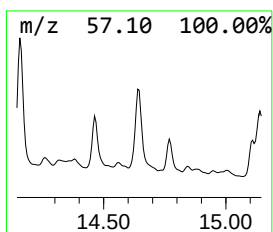
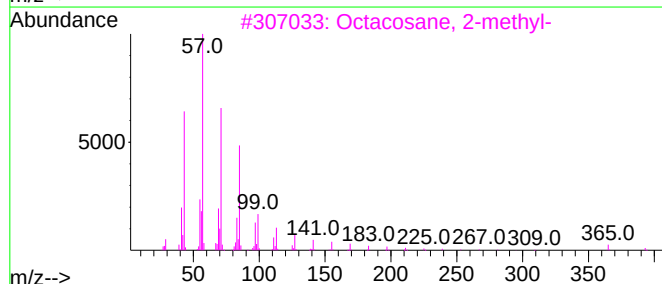
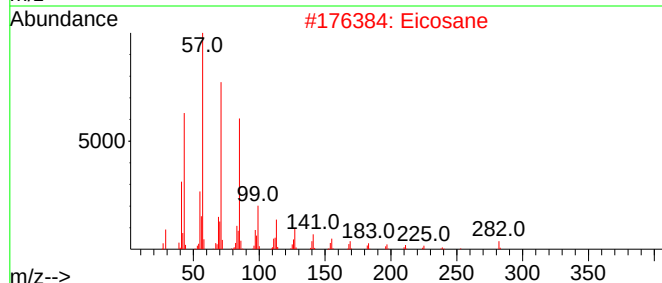
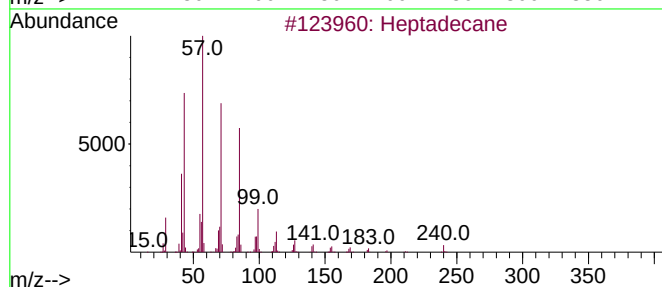
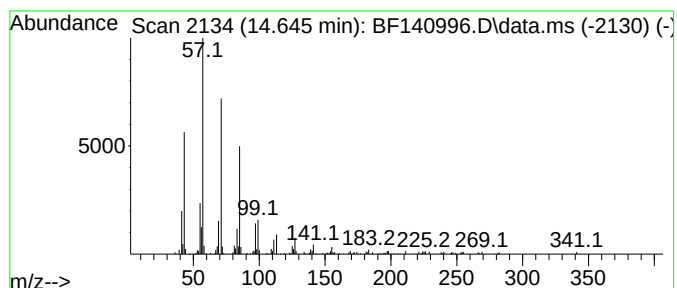
Instrument :
BNA_F
ClientSampleId :
SB-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Eicosane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.645	2.75 ng	221649	Chrysene-d12	13.974	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	93
2	Eicosane	282	C20H42	000112-95-8	90
3	Octacosane, 2-methyl-	408	C29H60	001560-98-1	87
4	Octadecane, 1-iodo-	380	C18H37I	000629-93-6	87
5	Tetradecane	198	C14H30	000629-59-4	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140996.D
Acq On : 27 Dec 2024 15:00
Operator : RC/JU
Sample : P5299-04
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.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
unknown7.634	7.634	2.7	ng	407277	2	8.104	3007680	20.0
Undecane, 2,6-d...	8.169	3.0	ng	459182	2	8.104	3007680	20.0
Cyclohexane, 1,...	8.398	4.1	ng	620511	2	8.104	3007680	20.0
Nonane, 2,6-dim...	8.528	6.2	ng	932489	2	8.104	3007680	20.0
Tridecane	8.698	10.4	ng	1570350	2	8.104	3007680	20.0
unknown8.987	8.987	3.2	ng	368508	3	9.857	2314360	20.0
Nonadecane, 2-m...	9.063	2.5	ng	286283	3	9.857	2314360	20.0
Dodecane, 2,6,1...	9.128	7.5	ng	866611	3	9.857	2314360	20.0
Tetradecane	9.263	22.1	ng	2553960	3	9.857	2314360	20.0
Tritetracontane	9.581	8.9	ng	1030770	3	9.857	2314360	20.0
Hexadecane	9.792	8.5	ng	979549	3	9.857	2314360	20.0
Heptadecane	10.292	2.6	ng	297044	3	9.857	2314360	20.0
Benzophenone	10.569	8.5	ng	980364	3	9.857	2314360	20.0
n-Hexadecanoic ...	11.875	21.1	ng	2338400	4	11.339	2215410	20.0
trans-Sinapyl a...	12.039	2.7	ng	295585	4	11.339	2215410	20.0
9-Octadecenoic ...	12.580	2.6	ng	284173	4	11.339	2215410	20.0
Octadecanoic acid	12.657	11.6	ng	935364	5	13.974	1610890	20.0
1-Nonadecene	13.833	10.7	ng	858158	5	13.974	1610890	20.0
Hexacosane	14.157	4.5	ng	359100	5	13.974	1610890	20.0
Eicosane	14.645	2.8	ng	221649	5	13.974	1610890	20.0



CALIBRATION SUMMARY

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PORT06
 Lab Code: CHEM Case No.: P5299 SAS No.: P5299 SDG No.: P5299
 Instrument ID: BNA_F Calibration Date(s): 12/16/2024 12/16/2024
 Calibration Time(s): 12:13 16:15

LAB FILE ID:		RRF2.5 = BF140855.D			RRF005 = BF140856.D		RRF010 = BF140857.D	
		RRF020 = BF140858.D			RRF040 = BF140859.D		RRF050 = BF140860.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorophenol		1.211	1.236	1.279	1.199	1.231	1.215	4.4
Benzaldehyde		1.048	1.051	0.993	0.864	0.823	0.892	16.3
Phenol-d6		1.692	1.661	1.661	1.567	1.576	1.609	4.5
Phenol		1.756	1.690	1.733	1.630	1.643	1.668	4.4
bis(2-Chloroethyl) ether		1.277	1.242	1.281	1.227	1.237	1.244	2.9
2-Chlorophenol		1.343	1.379	1.357	1.301	1.313	1.325	3.8
2-Methylphenol		1.081	1.105	1.080	1.039	1.039	1.058	3.5
2,2-oxybis(1-Chloropropane)		1.563	1.495	1.519	1.438	1.438	1.465	4.5
Acetophenone		0.526	0.503	0.520	0.493	0.496	0.500	5.4
3+4-Methylphenols		1.503	1.491	1.440	1.355	1.360	1.403	5.8
n-Nitroso-di-n-propylamine	1.005	1.030	1.004	0.999	0.922	0.938	0.965	5.5
Nitrobenzene-d5		0.406	0.401	0.420	0.393	0.397	0.400	4.4
Hexachloroethane		0.600	0.580	0.585	0.556	0.557	0.570	3.9
Nitrobenzene		0.418	0.411	0.425	0.402	0.408	0.410	4.4
Isophorone		0.681	0.672	0.690	0.651	0.664	0.670	3.5
2-Nitrophenol		0.183	0.185	0.193	0.187	0.191	0.189	3.8
2,4-Dimethylphenol		0.221	0.220	0.225	0.220	0.219	0.220	2.6
bis(2-Chloroethoxy) methane		0.431	0.414	0.429	0.417	0.418	0.418	3.0
2,4-Dichlorophenol		0.300	0.310	0.313	0.299	0.301	0.304	3.1
Naphthalene		1.138	1.125	1.126	1.067	1.090	1.099	3.9
4-Chloroaniline		0.371	0.375	0.377	0.361	0.358	0.365	2.7
Hexachlorobutadiene		0.239	0.235	0.244	0.232	0.233	0.235	3.4
Caprolactam		0.085	0.090	0.090	0.090	0.089	0.091	3.9
4-Chloro-3-methylphenol		0.342	0.347	0.347	0.338	0.332	0.342	1.7
2-Methylnaphthalene		0.744	0.734	0.740	0.721	0.700	0.727	2.1
Hexachlorocyclopentadiene			0.091	0.120	0.142	0.163	0.153	30.1
2,4,6-Trichlorophenol		0.348	0.339	0.386	0.364	0.357	0.376	9.7
2-Fluorobiphenyl		1.560	1.410	1.538	1.369	1.345	1.455	5.8
2,4,5-Trichlorophenol		0.413	0.365	0.426	0.397	0.395	0.414	8.3
1,1-Biphenyl		1.678	1.512	1.639	1.513	1.463	1.590	6.5
2-Chloronaphthalene		1.236	1.157	1.254	1.169	1.124	1.217	6.7
2-Nitroaniline		0.350	0.346	0.372	0.358	0.341	0.367	8.1
Dimethylphthalate		1.431	1.367	1.438	1.359	1.308	1.410	5.4
Acenaphthylene		1.874	1.821	1.880	1.734	1.696	1.788	4.1

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PORT06
 Lab Code: CHEM Case No.: P5299 SAS No.: P5299 SDG No.: P5299
 Instrument ID: BNA_F Calibration Date(s): 12/16/2024 12/16/2024
 Calibration Time(s): 12:13 16:15

LAB FILE ID:		RRF2.5 = BF140855.D			RRF005 = BF140856.D		RRF010 = BF140857.D	
		RRF020 = BF140858.D			RRF040 = BF140859.D		RRF050 = BF140860.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2,6-Dinitrotoluene		0.320	0.317	0.328	0.312	0.303	0.322	5.1
3-Nitroaniline		0.322	0.316	0.329	0.316	0.325	0.320	2.3
Acenaphthene		1.228	1.190	1.166	1.113	1.100	1.142	5.2
2,4-Dinitrophenol			0.088	0.108	0.134	0.145	0.132	21.6
4-Nitrophenol			0.091	0.133	0.165	0.169	0.150	21.6
Dibenzofuran		1.920	1.876	1.830	1.728	1.705	1.770	6.5
2,4-Dinitrotoluene		0.435	0.438	0.440	0.419	0.421	0.424	4.1
Diethylphthalate		1.562	1.484	1.496	1.439	1.446	1.462	4.5
4-Chlorophenyl-phenylether		0.780	0.750	0.759	0.716	0.727	0.733	4.6
Fluorene		1.573	1.522	1.492	1.444	1.429	1.460	5.3
4-Nitroaniline		0.329	0.333	0.339	0.338	0.343	0.334	2.4
4,6-Dinitro-2-methylphenol			0.099	0.109	0.117	0.118	0.113	9.0
n-Nitrosodiphenylamine		0.639	0.679	0.644	0.599	0.592	0.615	7.9
2,4,6-Tribromophenol		0.235	0.236	0.242	0.240	0.235	0.237	2.6
4-Bromophenyl-phenylether		0.225	0.248	0.236	0.220	0.214	0.224	8.0
Hexachlorobenzene		0.257	0.280	0.268	0.246	0.245	0.254	7.2
Atrazine		0.200	0.204	0.193	0.168	0.153	0.172	16.5
Pentachlorophenol			0.062	0.082	0.098	0.102	0.093	18.7
Phenanthrene		1.125	1.081	1.072	0.983	0.988	1.028	6.5
Anthracene		1.091	1.064	1.053	0.970	0.978	1.013	5.7
Carbazole		1.086	1.018	1.026	0.952	0.972	0.992	5.6
Di-n-butylphthalate		1.245	1.206	1.232	1.129	1.185	1.164	8.1
Fluoranthene		1.364	1.291	1.251	1.130	1.138	1.184	11.5
Pyrene		1.904	1.719	1.650	1.699	1.761	1.779	6.1
Terphenyl-d14		1.354	1.247	1.218	1.206	1.212	1.268	5.6
Butylbenzylphthalate		0.650	0.616	0.621	0.646	0.672	0.654	4.6
3,3-Dichlorobenzidine		0.429	0.427	0.449	0.412	0.432	0.428	4.1
Benzo (a) anthracene		1.494	1.473	1.421	1.359	1.388	1.417	3.6
Chrysene		1.361	1.284	1.364	1.271	1.254	1.289	4.4
Bis (2-ethylhexyl) phthalate		0.804	0.807	0.875	0.821	0.855	0.844	4.0
Di-n-octyl phthalate		1.267	1.170	1.348	1.223	1.341	1.277	5.2
Benzo (b) fluoranthene		1.454	1.466	1.450	1.294	1.263	1.388	6.1
Benzo (k) fluoranthene		1.318	1.250	1.223	1.224	1.142	1.191	8.6
Benzo (a) pyrene		1.099	1.084	1.134	1.073	1.056	1.087	3.1
Indeno (1,2,3-cd) pyrene		1.130	1.174	1.330	1.269	1.109	1.248	8.9

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: PORT06

Lab Code: CHEM Case No.: P5299 SAS No.: P5299 SDG No.: P5299

Instrument ID: BNA_F Calibration Date(s): 12/16/2024 12/16/2024

Calibration Time(s): 12:13 16:15

LAB FILE ID:		RRF2.5 = BF140855.D		RRF005 = BF140856.D		RRF010 = BF140857.D		
		RRF020 = BF140858.D		RRF040 = BF140859.D		RRF050 = BF140860.D		
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Dibenzo (a,h) anthracene		0.913	0.986	1.092	1.058	0.918	1.034	9.3
Benzo (g,h,i) perylene		0.961	0.972	1.094	1.073	0.944	1.052	9.5
1,2,4,5-Tetrachlorobenzene		0.622	0.573	0.641	0.580	0.576	0.615	6.9
1,4-Dioxane		0.547	0.536	0.537	0.503	0.520	0.523	3.8
2,3,4,6-Tetrachlorophenol		0.297	0.312	0.345	0.354	0.356	0.337	7.0

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF121624.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Dec 16 16:59:50 2024
 Response Via : Initial Calibration

Calibration Files

2.5 =BF140855.D 5 =BF140856.D 10 =BF140857.D 20 =BF140858.D 40 =BF140859.D 50 =BF140860.D 60 =BF140861.D 80 =BF140862.D

	Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.547	0.536	0.537	0.503	0.520	0.527	0.492	0.523	3.76	
3)	Pyridine	1.203	1.182	1.284	1.222	1.221	1.235	1.136	1.212	3.78	
4)	n-Nitrosodimet...	0.598	0.593	0.626	0.603	0.621	0.648	0.587	0.611	3.58	
5) S	2-Fluorophenol	1.211	1.236	1.279	1.199	1.231	1.242	1.107	1.215	4.45	
6)	Aniline	1.408	1.461	1.448	1.374	1.364	1.369	1.208	1.376	6.06	
7) S	Phenol-d6	1.692	1.661	1.661	1.567	1.576	1.623	1.485	1.609	4.45	
8)	2-Chlorophenol	1.343	1.379	1.357	1.301	1.313	1.351	1.230	1.325	3.75	
9)	Benzaldehyde	1.048	1.051	0.993	0.864	0.823	0.800	0.663	0.892	16.27	
10) C	Phenol	1.756	1.690	1.733	1.630	1.643	1.688	1.534	1.668	4.44	
11)	bis(2-Chloroet...	1.277	1.242	1.281	1.227	1.237	1.267	1.176	1.244	2.93	
12)	1,3-Dichlorobe...	1.584	1.540	1.557	1.469	1.495	1.530	1.394	1.510	4.21	
13) C	1,4-Dichlorobe...	1.607	1.601	1.583	1.497	1.495	1.546	1.397	1.532	4.91	
14)	1,2-Dichlorobe...	1.521	1.495	1.509	1.436	1.403	1.434	1.322	1.446	4.86	
15)	Benzyl Alcohol	1.146	1.143	1.236	1.150	1.143	1.179	1.056	1.151	4.64	
16)	2,2'-oxybis(1-...	1.563	1.495	1.519	1.438	1.438	1.443	1.359	1.465	4.53	
17)	2-Methylphenol	1.081	1.105	1.080	1.039	1.039	1.067	0.993	1.058	3.51	
18)	Hexachloroethane	0.600	0.580	0.585	0.556	0.557	0.580	0.535	0.570	3.86	
19) P	n-Nitroso-di-n...	1.005	1.030	1.004	0.999	0.922	0.938	0.949	0.873	0.965	5.52
20)	3+4-Methylphenols	1.503	1.491	1.440	1.355	1.360	1.396	1.273	1.403	5.82	
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.526	0.503	0.520	0.493	0.496	0.518	0.446	0.500	5.41	
23) S	Nitrobenzene-d5	0.406	0.401	0.420	0.393	0.397	0.415	0.366	0.400	4.42	
24)	Nitrobenzene	0.418	0.411	0.425	0.402	0.408	0.429	0.375	0.410	4.40	
25)	Isophorone	0.681	0.672	0.690	0.651	0.664	0.700	0.631	0.670	3.55	
26) C	2-Nitrophenol	0.183	0.185	0.193	0.187	0.191	0.201	0.180	0.189	3.79	
27)	2,4-Dimethylph...	0.221	0.220	0.225	0.220	0.219	0.228	0.210	0.220	2.61	
28)	bis(2-Chloroet...	0.431	0.414	0.429	0.417	0.418	0.426	0.394	0.418	3.04	
29) C	2,4-Dichloroph...	0.300	0.310	0.313	0.299	0.301	0.316	0.290	0.304	3.07	
30)	1,2,4-Trichlor...	0.360	0.354	0.357	0.341	0.342	0.362	0.325	0.349	3.77	
31)	Naphthalene	1.138	1.125	1.126	1.067	1.090	1.124	1.020	1.099	3.86	
32)	Benzoic acid		0.173	0.192	0.212	0.220	0.237	0.220	0.209	10.98	
33)	4-Chloroaniline	0.371	0.375	0.377	0.361	0.358	0.363	0.349	0.365	2.74	
34) C	Hexachlorobuta...	0.239	0.235	0.244	0.232	0.233	0.239	0.219	0.235	3.42	
35)	Caprolactam	0.085	0.090	0.090	0.090	0.089	0.092	0.097	0.091	3.88	
36) C	4-Chloro-3-met...	0.342	0.347	0.347	0.338	0.332	0.342	0.348	0.342	1.72	
37)	2-Methylnaphth...	0.744	0.734	0.740	0.721	0.700	0.719	0.729	0.727	2.08	
38)	1-Methylnaphth...	0.758	0.743	0.716	0.706	0.686	0.706	0.716	0.719	3.36	

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF121624.M

39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.622	0.573	0.641	0.580	0.576	0.622	0.689	0.615	6.88	
41) P	Hexachlorocycl...	0.091	0.120	0.142	0.163	0.183	0.221	0.153	30.05		
42) S	2,4,6-Tribromo...	0.235	0.236	0.242	0.240	0.235	0.243	0.225	0.237	2.56	
43) C	2,4,6-Trichlor...	0.348	0.339	0.386	0.364	0.357	0.395	0.446	0.376	9.68	
44)	2,4,5-Trichlor...	0.413	0.365	0.426	0.397	0.395	0.426	0.475	0.414	8.28	
45) S	2-Fluorobiphenyl	1.560	1.410	1.538	1.369	1.345	1.445	1.517	1.455	5.85	
46)	1,1'-Biphenyl	1.678	1.512	1.639	1.513	1.463	1.575	1.752	1.590	6.54	
47)	2-Chloronaphth...	1.236	1.157	1.254	1.169	1.124	1.206	1.370	1.217	6.69	
48)	2-Nitroaniline	0.350	0.346	0.372	0.358	0.341	0.378	0.428	0.367	8.14	
49)	Acenaphthylene	1.874	1.821	1.880	1.734	1.696	1.783	1.727	1.788	4.09	
50)	Dimethylphthalate	1.431	1.367	1.438	1.359	1.308	1.417	1.549	1.410	5.45	
51)	2,6-Dinitrotol...	0.320	0.317	0.328	0.312	0.303	0.321	0.355	0.322	5.06	
52) C	Acenaphthene	1.228	1.190	1.166	1.113	1.100	1.148	1.049	1.142	5.25	
53)	3-Nitroaniline	0.322	0.316	0.328	0.316	0.325	0.325	0.307	0.320	2.29	
54) P	2,4-Dinitrophenol	0.088	0.108	0.134	0.145	0.160	0.157	0.132	21.60		
55)	Dibenzofuran	1.920	1.876	1.830	1.728	1.705	1.746	1.583	1.770	6.48	
56) P	4-Nitrophenol	0.091	0.133	0.165	0.169	0.176	0.167	0.150	21.61		
57)	2,4-Dinitrotol...	0.435	0.438	0.440	0.419	0.421	0.426	0.389	0.424	4.12	
58)	Fluorene	1.573	1.522	1.492	1.444	1.429	1.425	1.335	1.460	5.29	
59)	2,3,4,6-Tetrac...	0.297	0.312	0.345	0.354	0.356	0.356	0.341	0.337	6.99	
60)	Diethylphthalate	1.562	1.484	1.496	1.439	1.446	1.461	1.346	1.462	4.48	
61)	4-Chlorophenyl...	0.780	0.750	0.759	0.716	0.727	0.728	0.674	0.733	4.62	
62)	4-Nitroaniline	0.329	0.333	0.339	0.338	0.343	0.339	0.320	0.334	2.37	
63)	Azobenzene	1.482	1.411	1.394	1.368	1.358	1.334	1.273	1.375	4.74	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.099	0.109	0.117	0.118	0.129	0.109	0.113	8.96		
66) c	n-Nitrosodiphe...	0.639	0.679	0.644	0.599	0.592	0.626	0.527	0.615	7.90	
67)	4-Bromophenyl-...	0.225	0.248	0.236	0.220	0.214	0.231	0.192	0.224	7.97	
68)	Hexachlorobenzene	0.257	0.280	0.268	0.246	0.245	0.258	0.223	0.254	7.24	
69)	Atrazine	0.200	0.204	0.193	0.168	0.153	0.157	0.127	0.172	16.48	
70) C	Pentachlorophenol	0.062	0.082	0.098	0.102	0.106	0.106	0.093	18.65		
71)	Phenanthrene	1.125	1.081	1.072	0.983	0.988	1.013	0.937	1.028	6.45	
72)	Anthracene	1.091	1.064	1.053	0.970	0.978	1.000	0.934	1.013	5.66	
73)	Carbazole	1.086	1.018	1.026	0.952	0.972	0.970	0.920	0.992	5.58	
74)	Di-n-butylphth...	1.245	1.206	1.232	1.129	1.185	1.186	0.968	1.164	8.12	
75) C	Fluoranthene	1.364	1.291	1.251	1.130	1.138	1.175	0.943	1.184	11.51	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.319	0.401	0.404	0.493	0.454	0.378	0.408	14.76		
78)	Pyrene	1.904	1.719	1.650	1.699	1.761	1.769	1.948	1.779	6.12	
79) S	Terphenyl-d14	1.354	1.247	1.218	1.206	1.212	1.260	1.381	1.268	5.58	
80)	Butylbenzylpht...	0.650	0.616	0.621	0.646	0.672	0.681	0.696	0.654	4.59	
81)	Benzo(a)anthra...	1.494	1.473	1.421	1.359	1.388	1.418	1.369	1.417	3.60	
82)	3,3'-Dichlorob...	0.429	0.427	0.449	0.412	0.432	0.446	0.399	0.428	4.14	
83)	Chrysene	1.361	1.284	1.364	1.271	1.254	1.283	1.206	1.289	4.40	
84)	Bis(2-ethylhex...	0.804	0.807	0.875	0.821	0.855	0.890	0.855	0.844	3.99	
85) c	Di-n-octyl pht...	1.267	1.170	1.348	1.223	1.341	1.324	1.263	1.277	5.17	

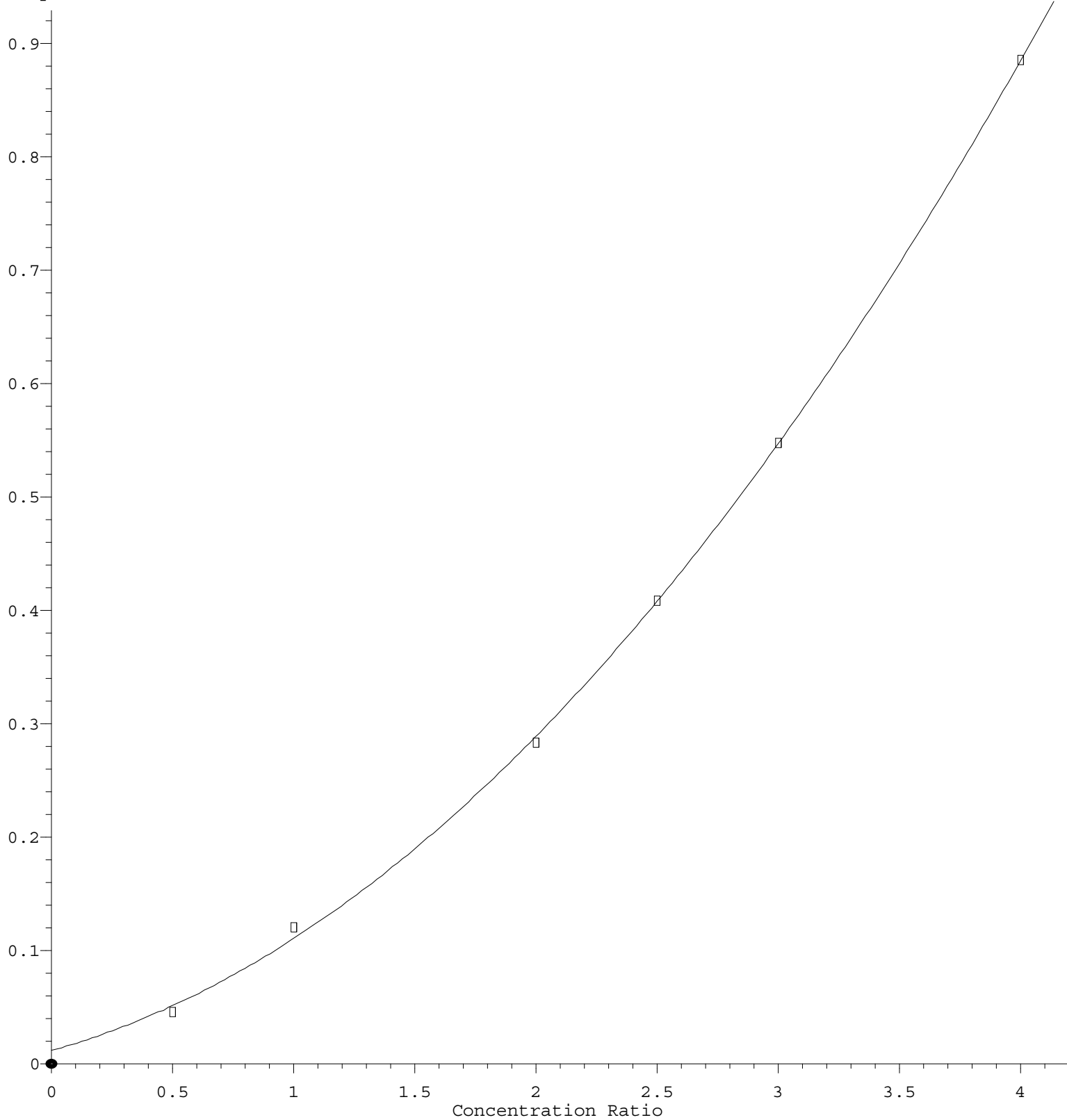
Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF121624.M

86) I	Perylene-d12	-----ISTD-----									
87)	Indeno(1,2,3-c...	1.130	1.174	1.330	1.269	1.109	1.330	1.395	1.248	8.90	
88)	Benzo(b)fluora...	1.454	1.466	1.450	1.294	1.263	1.442	1.349	1.388	6.11	
89)	Benzo(k)fluora...	1.318	1.250	1.223	1.224	1.142	1.182	0.996	1.191	8.57	
90) C	Benzo(a)pyrene	1.099	1.084	1.134	1.073	1.056	1.122	1.042	1.087	3.10	
91)	Dibenzo(a,h)an...	0.913	0.986	1.092	1.058	0.918	1.116	1.154	1.034	9.30	
92)	Benzo(g,h,i)pe...	0.961	0.972	1.094	1.073	0.944	1.098	1.225	1.052	9.53	

(#) = Out of Range

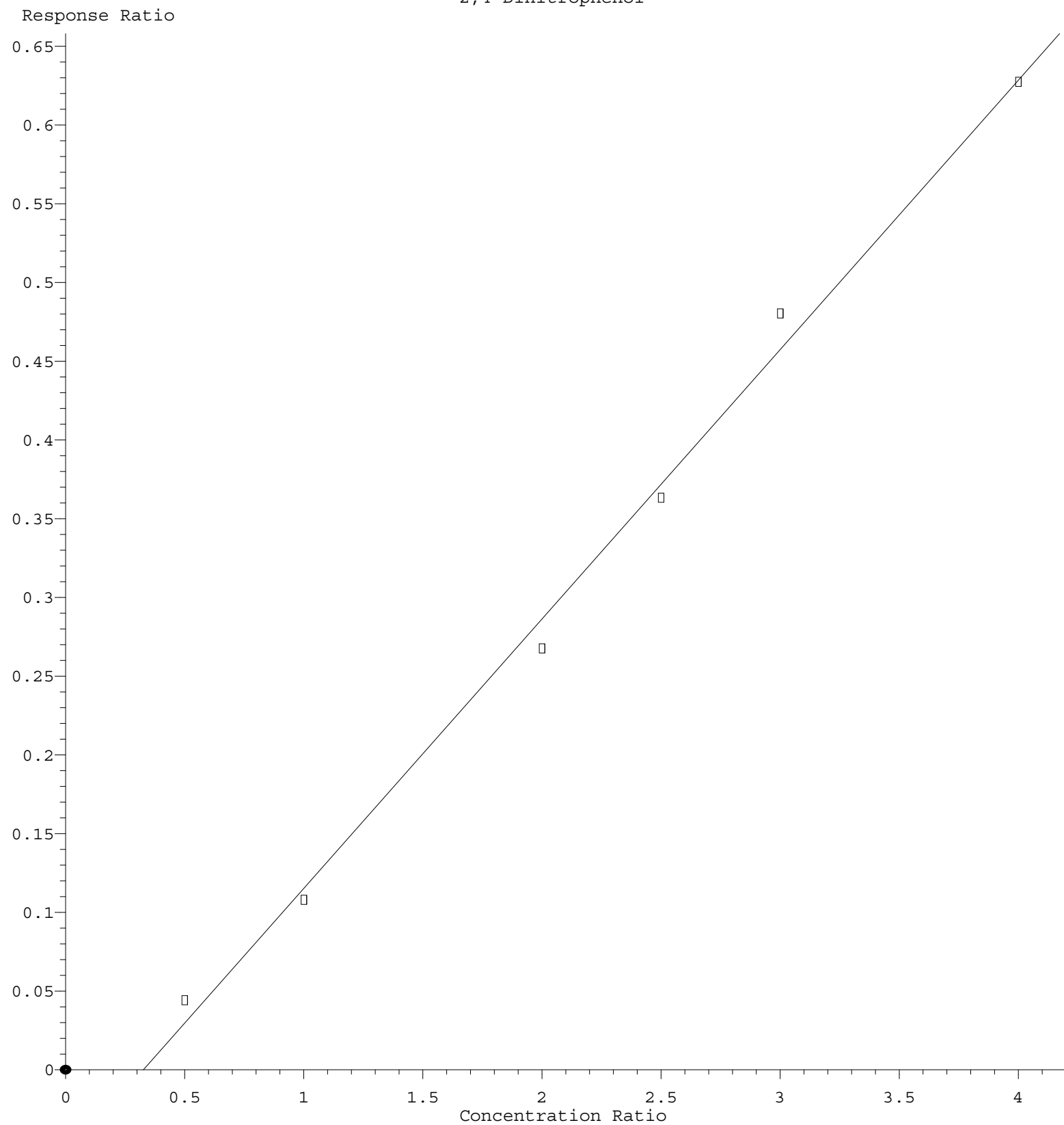
Hexachlorocyclopentadiene

Response Ratio



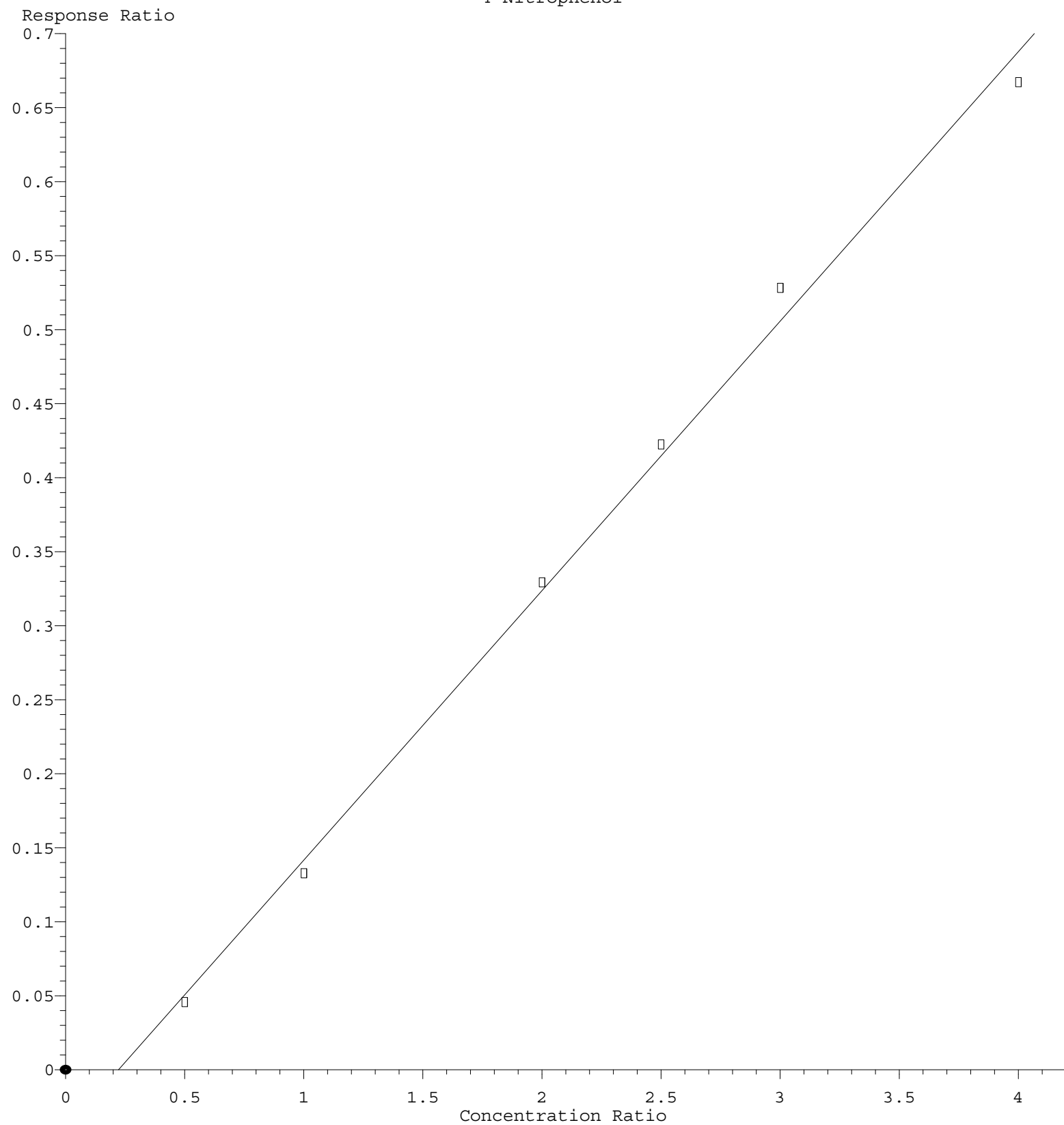
$R = 3.984e-002 A^2 + 5.892e-002 A + 1.177e-002$
Coef of Det (r^2) = 0.999663 Curve Fit: Quadratic
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF121624.M
Calibration Table Last Updated: Mon Dec 16 16:59:50 2024

2,4-Dinitrophenol



Response = $1.713 \times 10^{-1} \times \text{Amt} - 5.602 \times 10^{-2}$
Coef of Det (r^2) = 0.995067 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF121624.M
Calibration Table Last Updated: Mon Dec 16 16:59:50 2024

4-Nitrophenol



Response = $1.822 \times 10^{-1} \times \text{Amt} - 4.046 \times 10^{-2}$
Coef of Det (r^2) = 0.995956 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF121624.M
Calibration Table Last Updated: Mon Dec 16 16:59:50 2024

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
Data File : BF140855.D
Acq On : 16 Dec 2024 12:13
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Dec 16 16:45:55 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:38:27 2024
Response via : Initial Calibration

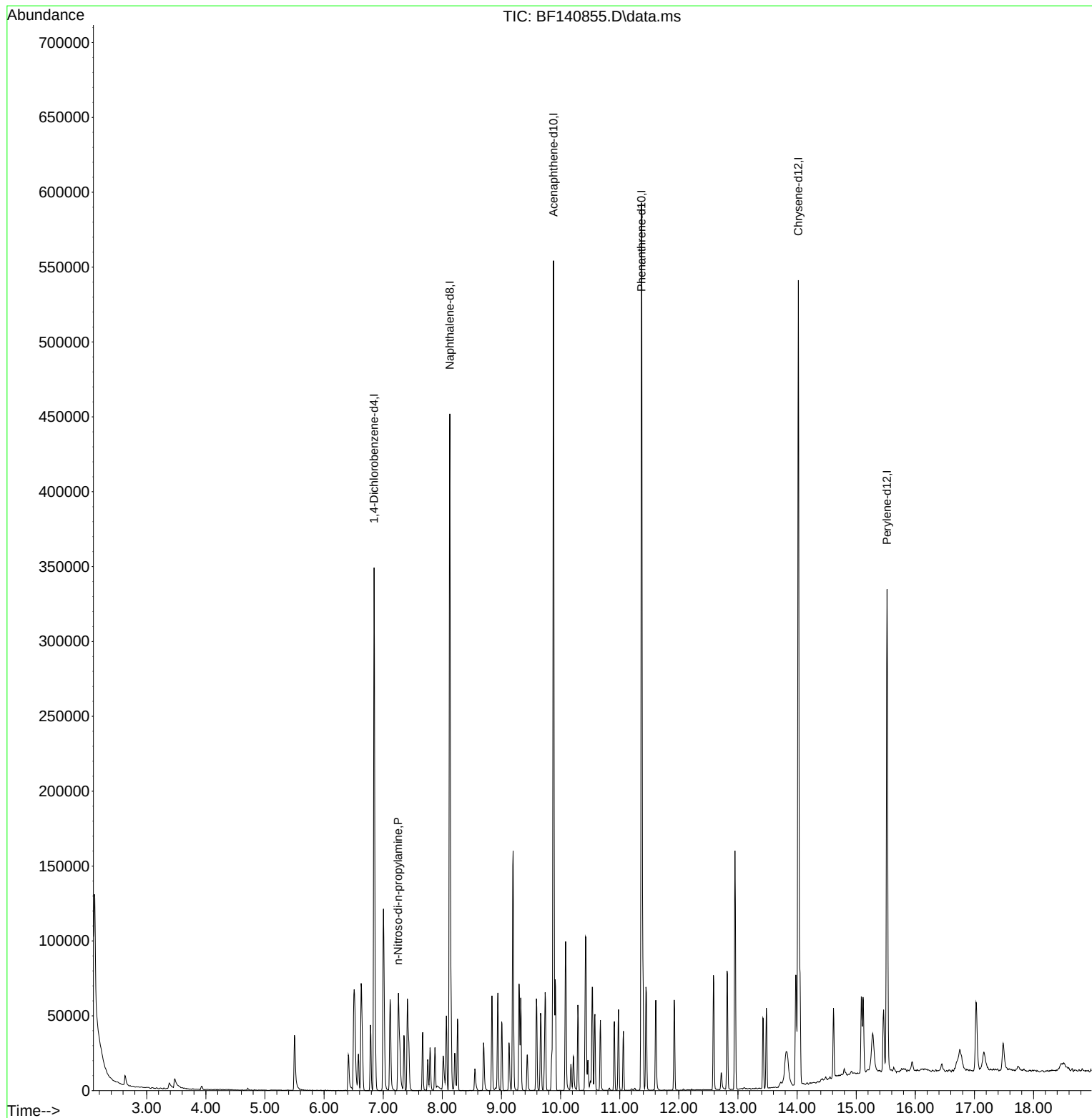
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	74199	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	283096	20.000	ng	0.00
39) Acenaphthene-d10	9.880	164	161044	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	317916	20.000	ng	0.00
76) Chrysene-d12	14.021	240	234189	20.000	ng	-0.01
86) Perylene-d12	15.521	264	191083	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.000	ng	
7) Phenol-d6	0.000	99	0d	0.000	ng	
23) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
42) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
45) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
79) Terphenyl-d14	0.000	244	0d	0.000	ng	
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.251	70	9325	2.604	ng	97

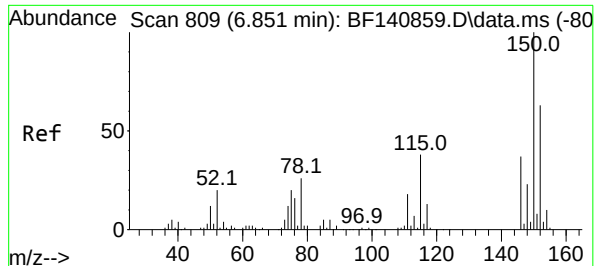
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
Data File : BF140855.D
Acq On : 16 Dec 2024 12:13
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

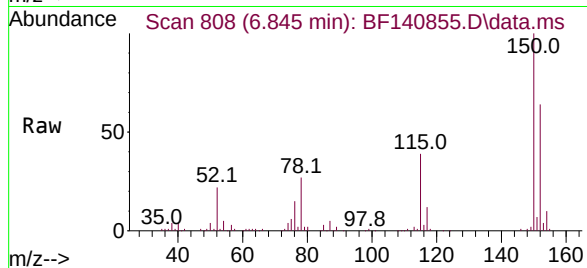
Quant Time: Dec 16 16:45:55 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:38:27 2024
Response via : Initial Calibration



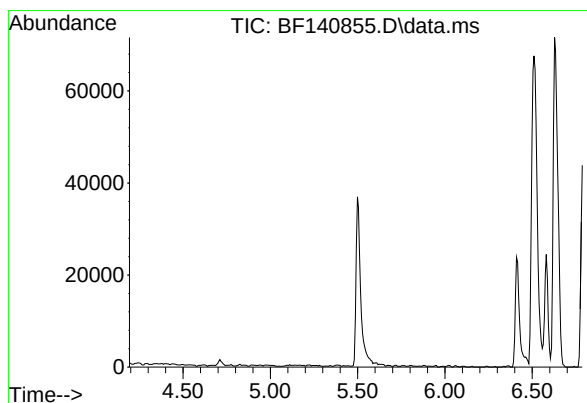
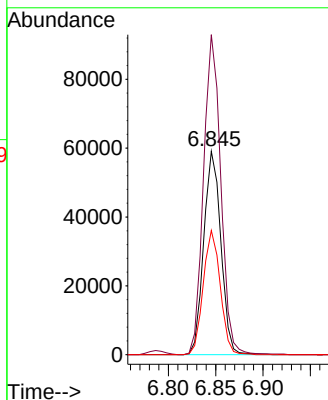
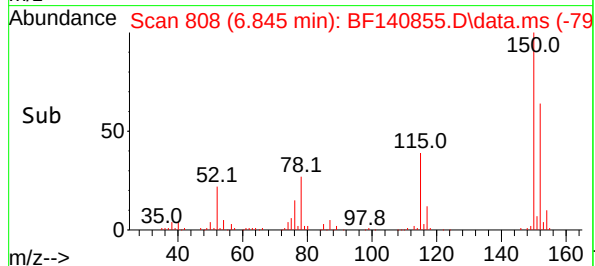


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF140855.D
Acq: 16 Dec 2024 12:13

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5



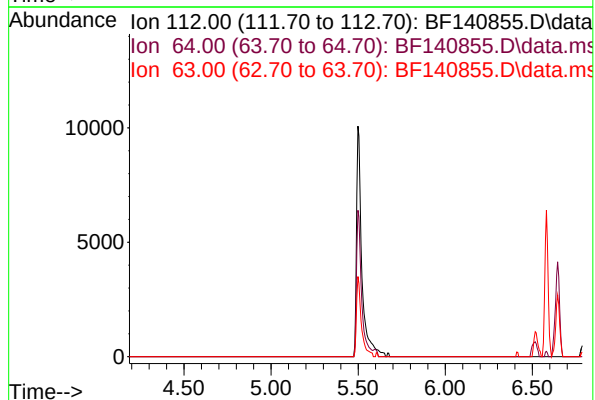
Tgt Ion:152 Resp: 74199
Ion Ratio Lower Upper
152 100
150 157.3 127.9 191.9
115 61.0 48.0 72.0

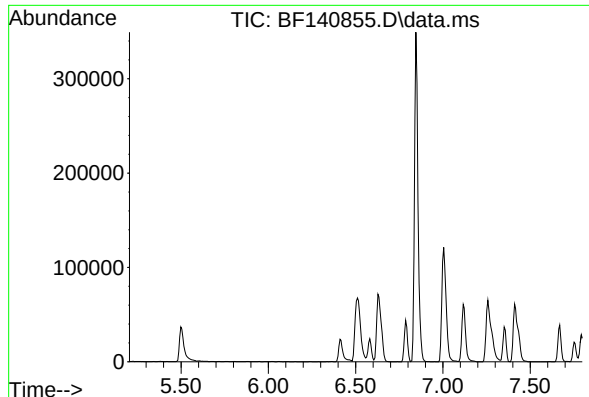


#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.49 min

Lab File: BF140855.D
Acq: 16 Dec 2024 12:13

Tgt Ion: 112
Sig Exp Ratio
112 100
64 57.6
63 31.1

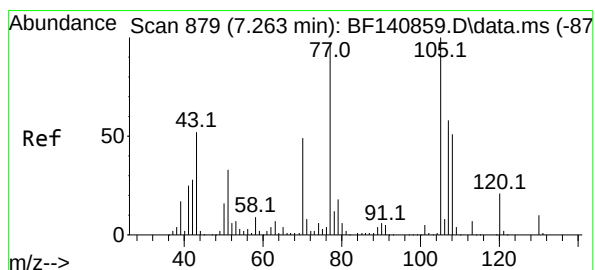
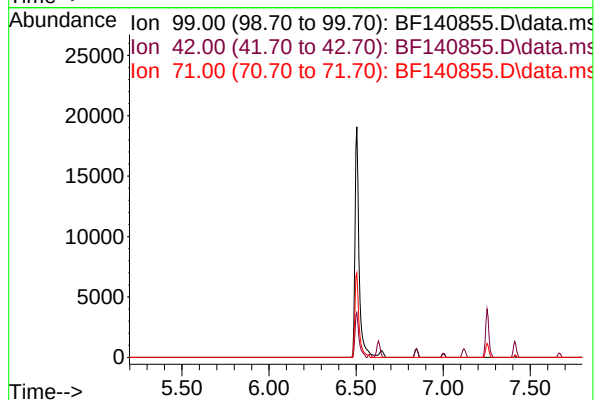




#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.50 min
Lab File: BF140855.D
Acq: 16 Dec 2024 12:13

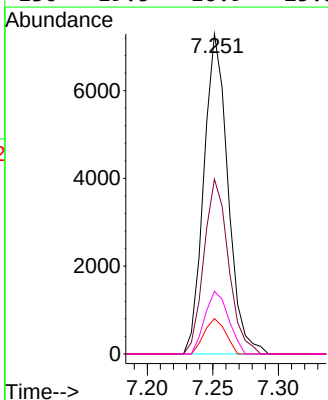
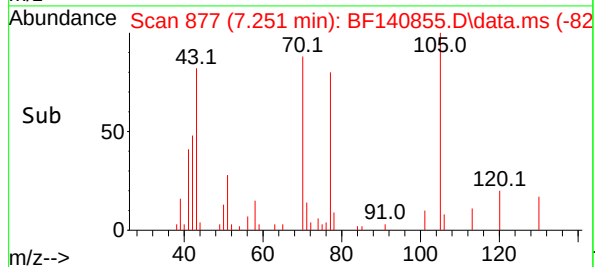
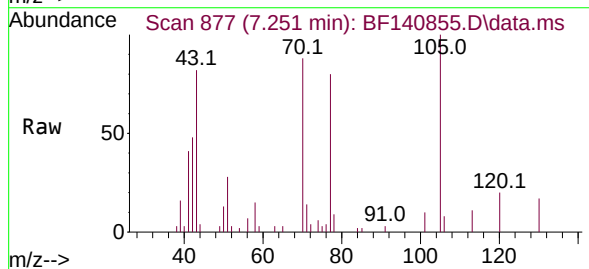
Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

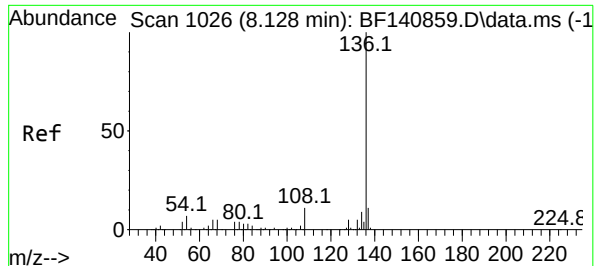
Tgt Ion: 99
Sig Exp Ratio
99 100
42 17.9
71 37.4



#19
n-Nitroso-di-n-propylamine
Concen: 2.604 ng
RT: 7.251 min Scan# 877
Delta R.T. -0.012 min
Lab File: BF140855.D
Acq: 16 Dec 2024 12:13

Tgt Ion: 70 Resp: 9325
Ion Ratio Lower Upper
70 100
42 54.7 45.3 67.9
101 11.0 8.0 12.0
130 19.5 16.9 25.3





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.128 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF140855.D

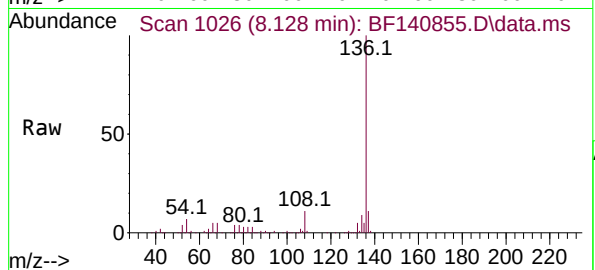
Acq: 16 Dec 2024 12:13

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5



Tgt Ion:136 Resp: 283096

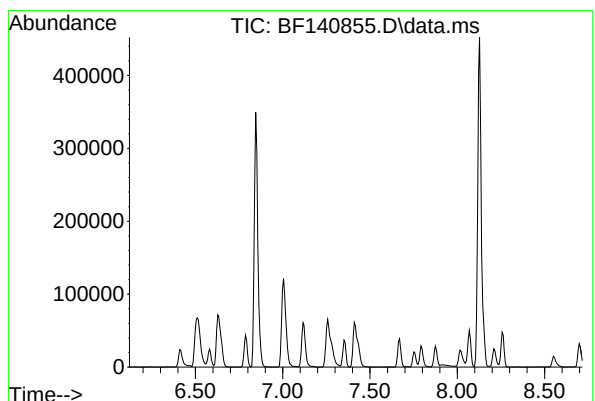
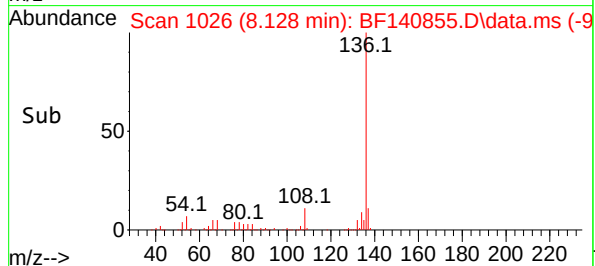
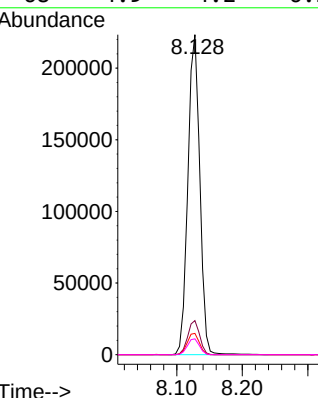
Ion Ratio Lower Upper

136 100

137 10.7 9.0 13.4

54 6.7 5.6 8.4

68 4.9 4.2 6.2



#23

Nitrobenzene-d5

Concen: 0.000 ng

Expected RT: 7.42 min

Lab File: BF140855.D

Acq: 16 Dec 2024 12:13

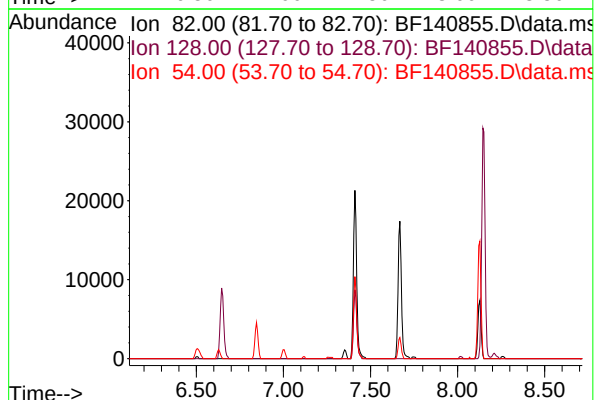
Tgt Ion: 82

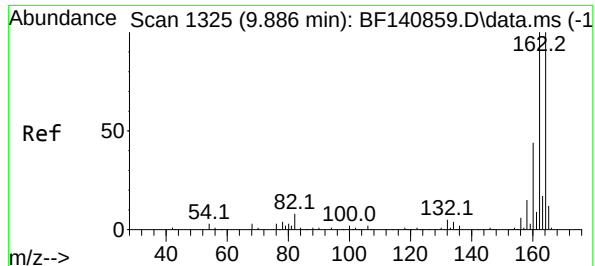
Sig Exp Ratio

82 100

128 43.0

54 48.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.880 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140855.D

Acq: 16 Dec 2024 12:13

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5

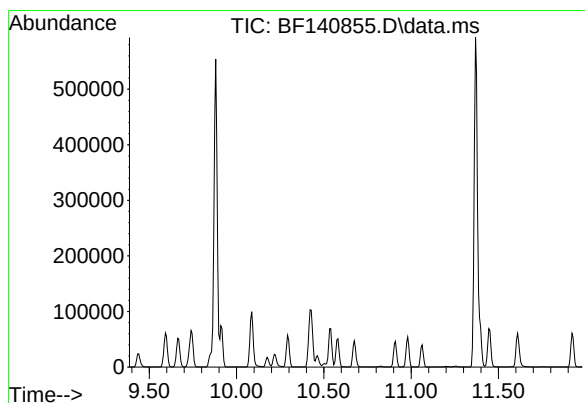
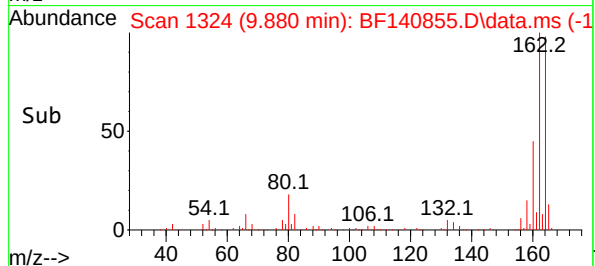
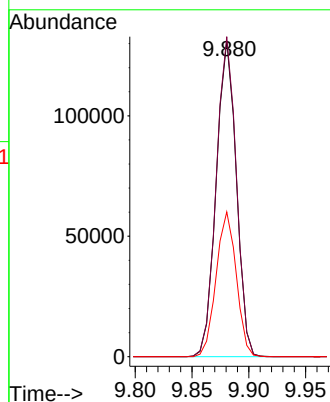
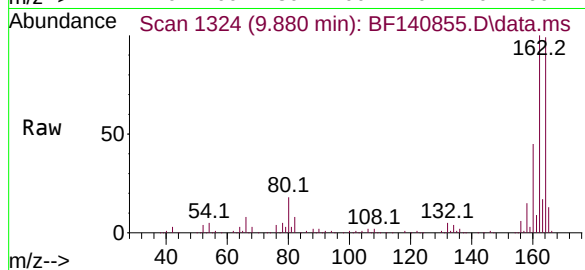
Tgt Ion:164 Resp: 161044

Ion Ratio Lower Upper

164 100

162 101.4 79.9 119.9

160 45.9 35.2 52.8



#42

2,4,6-Tribromophenol

Concen: 0.000 ng

Expected RT: 10.68 min

Lab File: BF140855.D

Acq: 16 Dec 2024 12:13

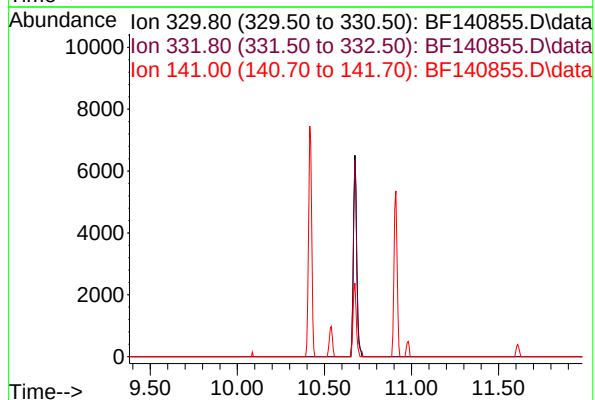
Tgt Ion: 330

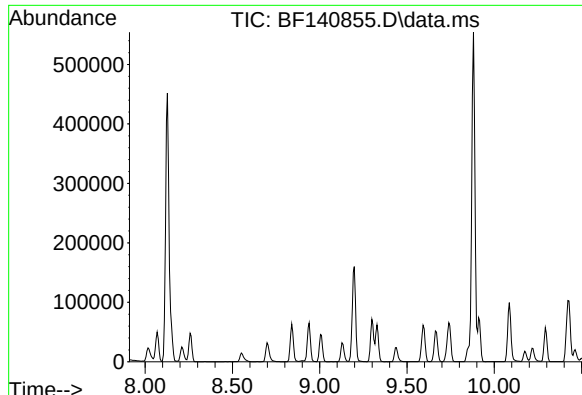
Sig Exp Ratio

330 100

332 95.3

141 31.1





#45

2-Fluorobiphenyl

Concen: 0.000 ng

Expected RT: 9.20 min

Lab File: BF140855.D

Acq: 16 Dec 2024 12:13

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5

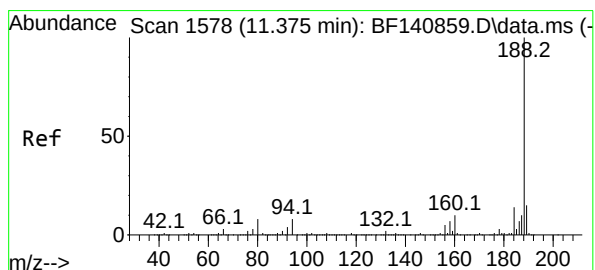
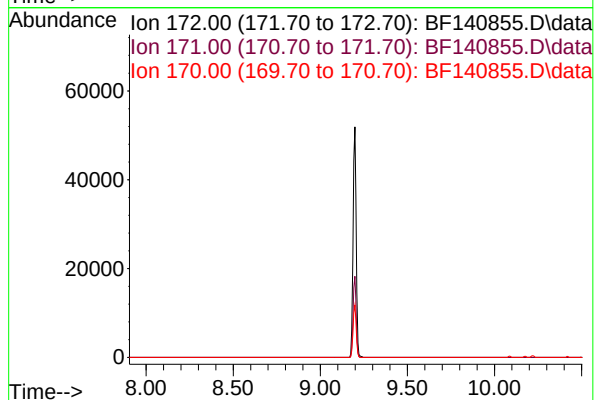
Tgt Ion: 172

Sig Exp Ratio

172 100

171 35.5

170 23.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.369 min Scan# 1577

Delta R.T. -0.006 min

Lab File: BF140855.D

Acq: 16 Dec 2024 12:13

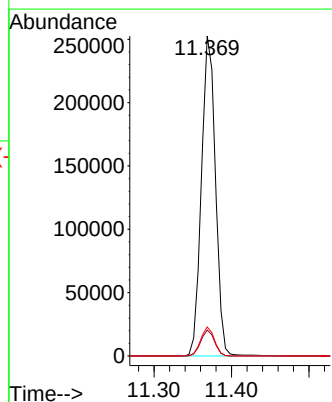
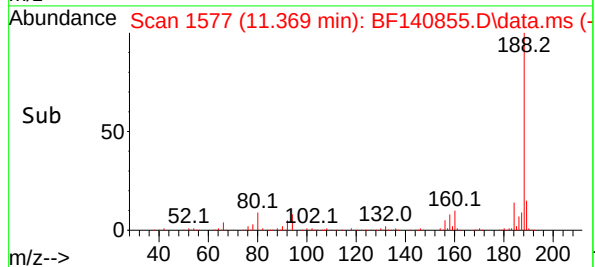
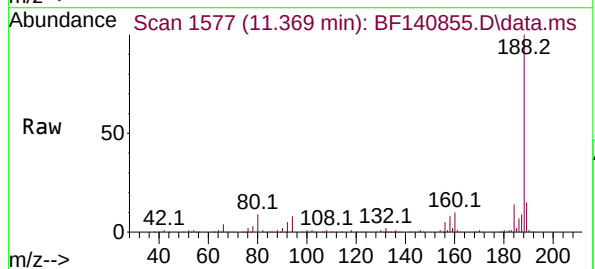
Tgt Ion: 188 Resp: 317916

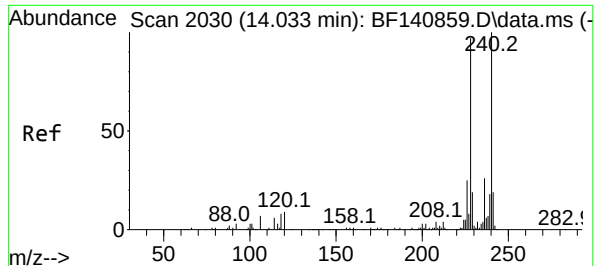
Ion Ratio Lower Upper

188 100

94 8.1 6.4 9.6

80 9.0 6.8 10.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.021 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF140855.D

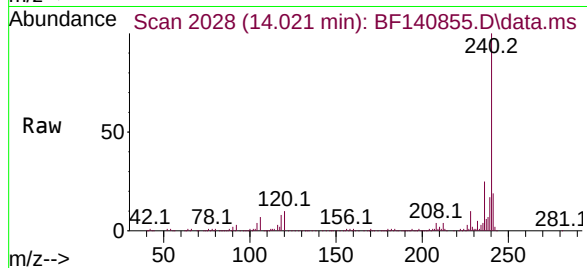
Acq: 16 Dec 2024 12:13

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5



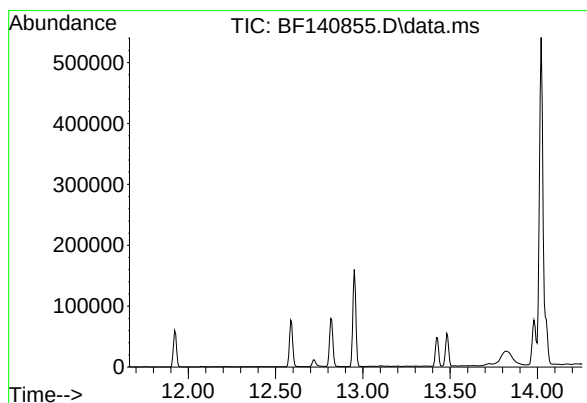
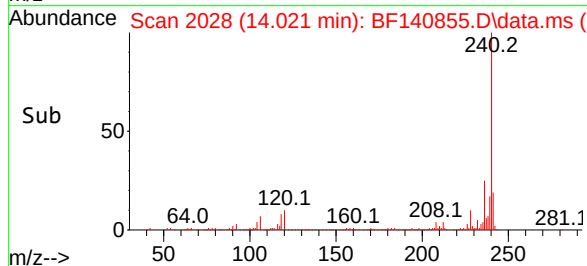
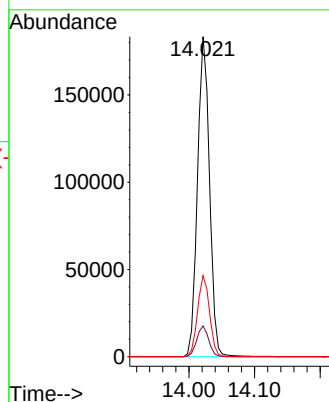
Tgt Ion:240 Resp: 234189

Ion Ratio Lower Upper

240 100

120 9.6 7.6 11.4

236 25.4 20.5 30.7



#79

Terphenyl-d14

Concen: 0.000 ng

Expected RT: 12.96 min

Lab File: BF140855.D

Acq: 16 Dec 2024 12:13

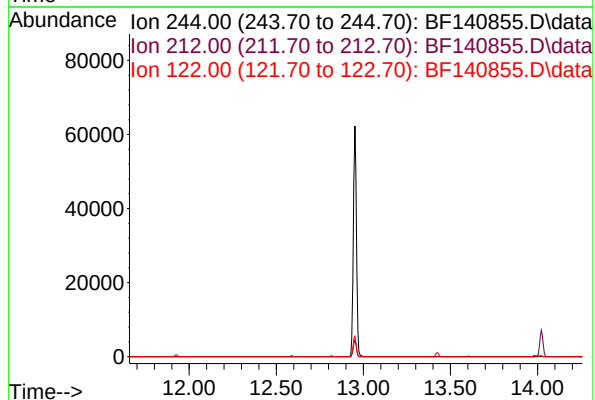
Tgt Ion: 244

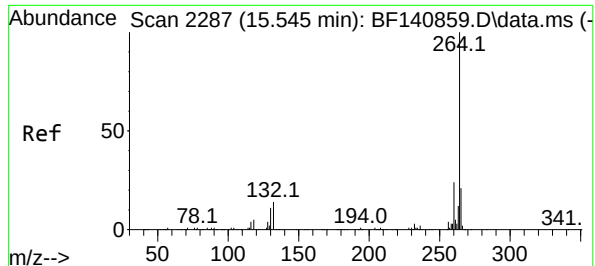
Sig Exp Ratio

244 100

212 7.0

122 10.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.521 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF140855.D

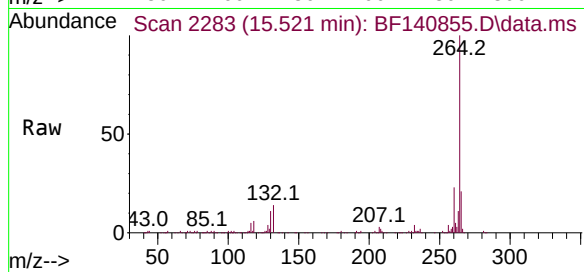
Acq: 16 Dec 2024 12:13

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5



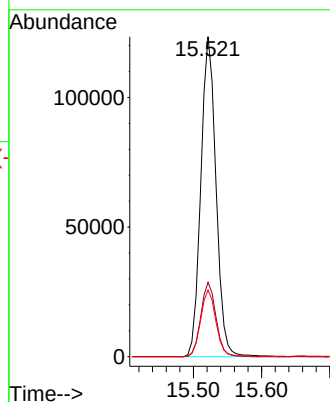
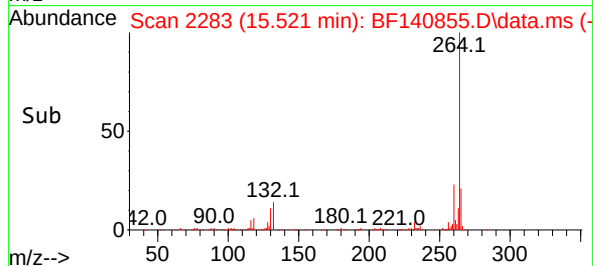
Tgt Ion:264 Resp: 191083

Ion Ratio Lower Upper

264 100

260 23.2 19.1 28.7

265 20.9 17.0 25.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
 Data File : BF140856.D
 Acq On : 16 Dec 2024 12:39
 Operator : RC/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC005

Quant Time: Dec 16 16:46:46 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 16 16:38:27 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	79655	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	306130	20.000	ng	0.00
39) Acenaphthene-d10	9.880	164	181131	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	379227	20.000	ng	0.00
76) Chrysene-d12	14.021	240	302472	20.000	ng	-0.01
86) Perylene-d12	15.527	264	241868	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	48219	9.965	ng	0.00
7) Phenol-d6	6.498	99	67396	10.516	ng	0.00
23) Nitrobenzene-d5	7.410	82	62104	10.150	ng	0.00
42) 2,4,6-Tribromophenol	10.675	330	21315	9.950	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	141311	10.726	ng	0.00
79) Terphenyl-d14	12.951	244	204731	10.673	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.634	88	10891	5.225	ng	93
3) Pyridine	3.446	79	23956	4.963	ng	98
4) n-Nitrosodimethylamine	3.363	42	11912	4.895	ng	94
6) Aniline	6.516	93	28034	5.116	ng	96
8) 2-Chlorophenol	6.645	128	26751	5.070	ng	97
9) Benzaldehyde	6.410	77	20868	5.876	ng	98
10) Phenol	6.510	94	34967	5.264	ng	90
11) bis(2-Chloroethyl)ether	6.581	93	25426	5.133	ng	97
12) 1,3-Dichlorobenzene	6.787	146	31542	5.246	ng	99
13) 1,4-Dichlorobenzene	6.863	146	32009	5.245	ng	99
14) 1,2-Dichlorobenzene	7.016	146	30294	5.261	ng	97
15) Benzyl Alcohol	6.998	79	22831	4.982	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.116	45	31121	5.333	ng	84
17) 2-Methylphenol	7.116	107	21534	5.112	ng	94
18) Hexachloroethane	7.351	117	11948	5.259	ng	98
19) n-Nitroso-di-n-propyla...	7.251	70	20518	5.337	ng	99
20) 3+4-Methylphenols	7.275	107	29921	5.356	ng	# 72
22) Acetophenone	7.257	105	40223	5.252	ng	94
24) Nitrobenzene	7.428	77	31964	5.099	ng	99
25) Isophorone	7.669	82	52133	5.085	ng	99
26) 2-Nitrophenol	7.751	139	13994	4.847	ng	99
27) 2,4-Dimethylphenol	7.792	122	16915	5.017	ng	96
28) bis(2-Chloroethoxy)met...	7.875	93	32959	5.147	ng	97
29) 2,4-Dichlorophenol	8.010	162	22982	4.937	ng	98
30) 1,2,4-Trichlorobenzene	8.069	180	27533	5.160	ng	99
31) Naphthalene	8.145	128	87082	5.179	ng	99
33) 4-Chloroaniline	8.210	127	28431	5.091	ng	97
34) Hexachlorobutadiene	8.263	225	18296	5.096	ng	99
35) Caprolactam	8.551	113	6533	4.714	ng	98
36) 4-Chloro-3-methylphenol	8.698	107	26136	4.989	ng	100
37) 2-Methylnaphthalene	8.839	142	56964	5.121	ng	99
38) 1-Methylnaphthalene	8.939	142	57978	5.270	ng	100
40) 1,2,4,5-Tetrachloroben...	9.004	216	28167	5.059	ng	97
43) 2,4,6-Trichlorophenol	9.128	196	15756	4.622	ng	99
44) 2,4,5-Trichlorophenol	9.186	196	18698	4.990	ng	94
46) 1,1'-Biphenyl	9.298	154	75993	5.276	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
 Data File : BF140856.D
 Acq On : 16 Dec 2024 12:39
 Operator : RC/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC005

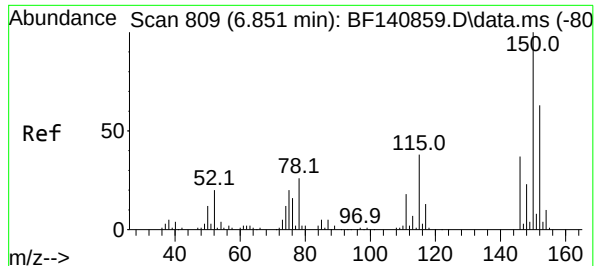
Quant Time: Dec 16 16:46:46 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 16 16:38:27 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) 2-Chloronaphthalene	9.328	162	55976	5.080	ng	98
48) 2-Nitroaniline	9.433	65	15829	4.757	ng	98
49) Acenaphthylene	9.745	152	84871	5.241	ng	99
50) Dimethylphthalate	9.598	163	64810	5.075	ng	99
51) 2,6-Dinitrotoluene	9.669	165	14507	4.969	ng	99
52) Acenaphthene	9.910	154	55626	5.378	ng	98
53) 3-Nitroaniline	9.845	138	14583	5.034	ng	95
55) Dibenzofuran	10.086	168	86963	5.426	ng	97
57) 2,4-Dinitrotoluene	10.081	165	19701	5.129	ng	# 91
58) Fluorene	10.428	166	71243	5.388	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.216	232	13434	4.400	ng	95
60) Diethylphthalate	10.292	149	70725	5.341	ng	100
61) 4-Chlorophenyl-phenyle...	10.416	204	35304	5.315	ng	99
62) 4-Nitroaniline	10.457	138	14883	4.916	ng	99
63) Azobenzene	10.580	77	67111	5.391	ng	98
66) n-Nitrosodiphenylamine	10.539	169	60581	5.196	ng	98
67) 4-Bromophenyl-phenylether	10.910	248	21332	5.028	ng	98
68) Hexachlorobenzene	10.980	284	24367	5.066	ng	97
69) Atrazine	11.063	200	18943	5.817	ng	98
71) Phenanthrene	11.392	178	106671	5.470	ng	99
72) Anthracene	11.445	178	103428	5.385	ng	100
73) Carbazole	11.610	167	102961	5.473	ng	99
74) Di-n-butylphthalate	11.922	149	118050	5.347	ng	99
75) Fluoranthene	12.586	202	129330	5.758	ng	99
78) Pyrene	12.816	202	143947	5.352	ng	99
80) Butylbenzylphthalate	13.427	149	49136	4.965	ng	99
81) Benzo(a)anthracene	14.016	228	112964	5.270	ng	99
82) 3,3'-Dichlorobenzidine	13.974	252	32405	5.010	ng	98
83) Chrysene	14.051	228	102933	5.280	ng	99
84) Bis(2-ethylhexyl)phtha...	13.986	149	60799	4.764	ng	99
85) Di-n-octyl phthalate	14.621	149	95835	4.964	ng	100
87) Indeno(1,2,3-cd)pyrene	17.027	276	68314	4.526	ng	99
88) Benzo(b)fluoranthene	15.092	252	87940	5.238	ng	100
89) Benzo(k)fluoranthene	15.121	252	79696	5.534	ng	99
90) Benzo(a)pyrene	15.463	252	66476	5.057	ng	99
91) Dibenzo(a,h)anthracene	17.033	278	55222	4.416	ng	98
92) Benzo(g,h,i)perylene	17.486	276	58125	4.567	ng	100

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

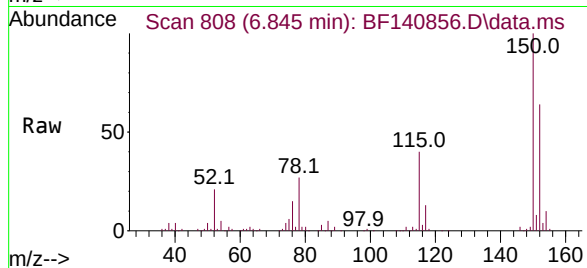
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

[illegible]

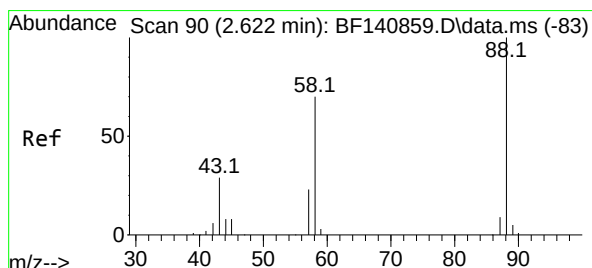
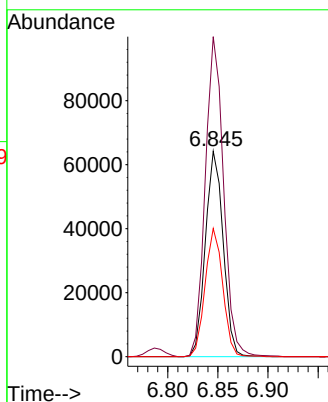
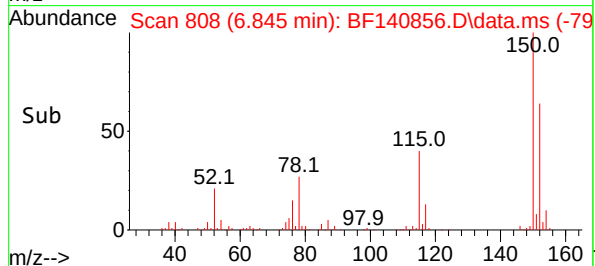


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

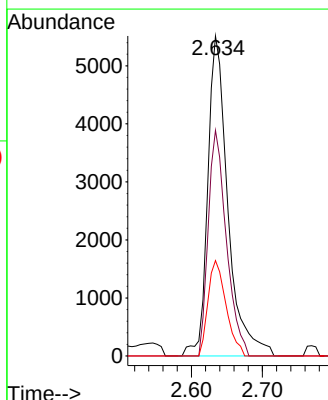
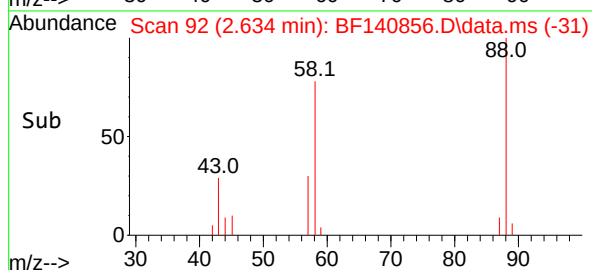
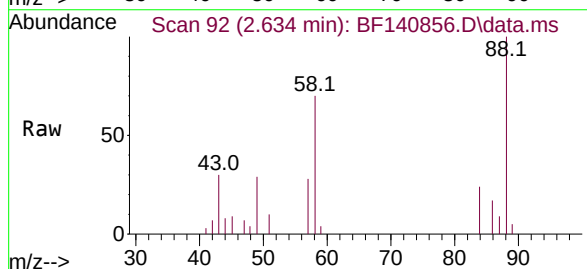


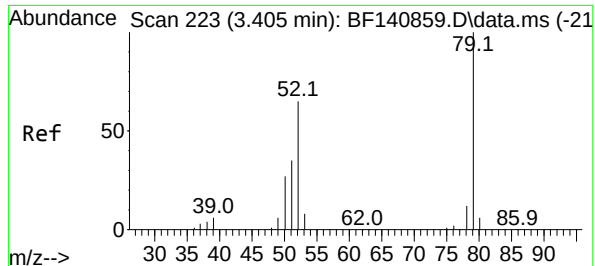
Tgt Ion:152 Resp: 79655
Ion Ratio Lower Upper
152 100
150 155.8 127.9 191.9
115 62.4 48.0 72.0



#2
1,4-Dioxane
Concen: 5.225 ng
RT: 2.634 min Scan# 92
Delta R.T. 0.012 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

Tgt Ion: 88 Resp: 10891
Ion Ratio Lower Upper
88 100
58 63.3 55.8 83.8
43 26.6 22.7 34.1





#3

Pyridine

Concen: 4.963 ng

RT: 3.446 min Scan# 21

Delta R.T. 0.041 min

Lab File: BF140856.D

Acq: 16 Dec 2024 12:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

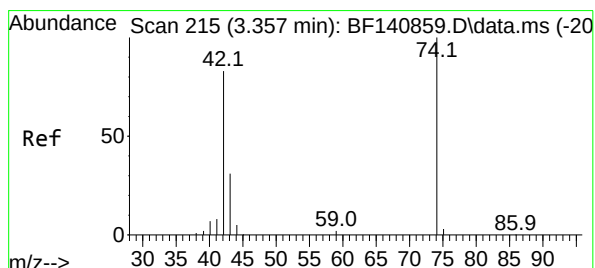
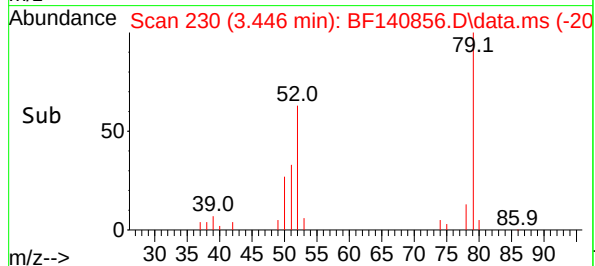
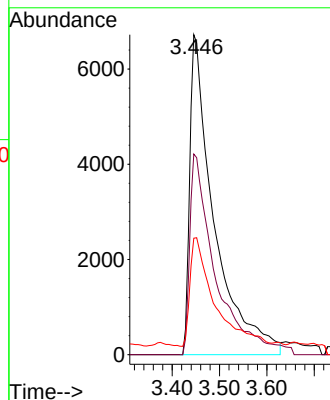
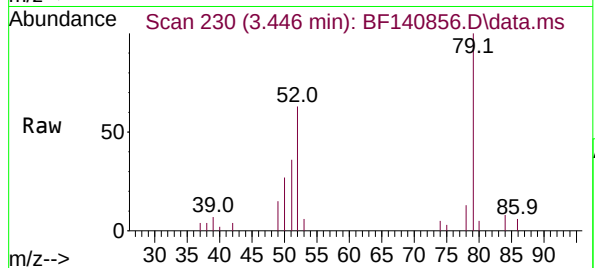
Tgt Ion: 79 Resp: 23956

Ion Ratio Lower Upper

79 100

52 62.7 51.7 77.5

51 36.4 28.2 42.4



#4

n-Nitrosodimethylamine

Concen: 4.895 ng

RT: 3.363 min Scan# 216

Delta R.T. 0.006 min

Lab File: BF140856.D

Acq: 16 Dec 2024 12:39

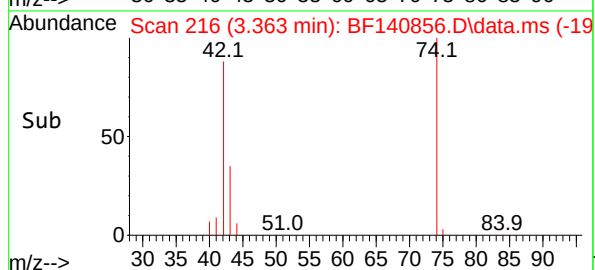
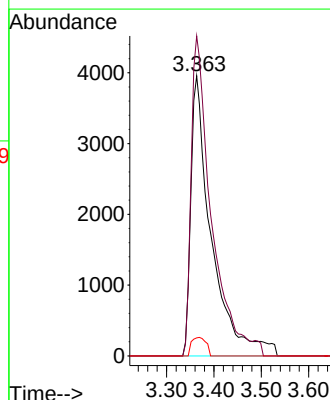
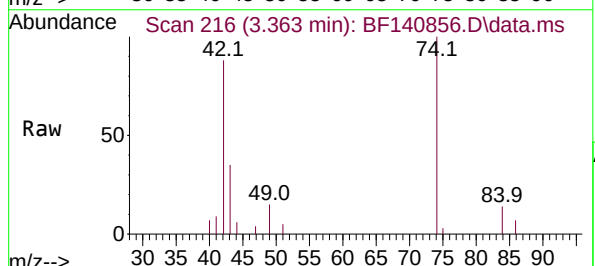
Tgt Ion: 42 Resp: 11912

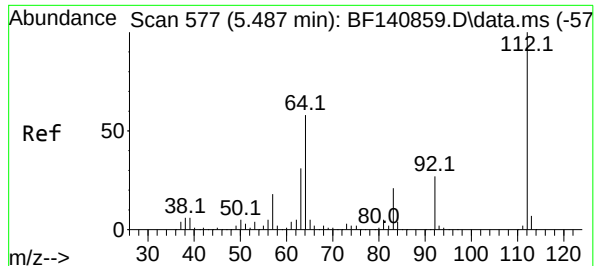
Ion Ratio Lower Upper

42 100

74 114.2 96.9 145.3

44 6.5 4.4 6.6

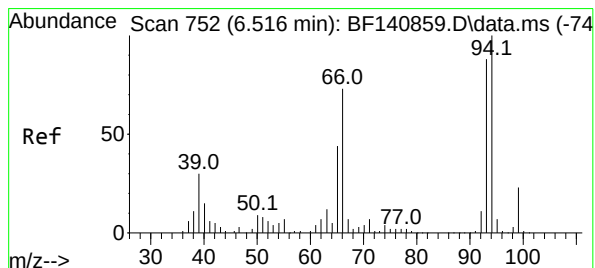
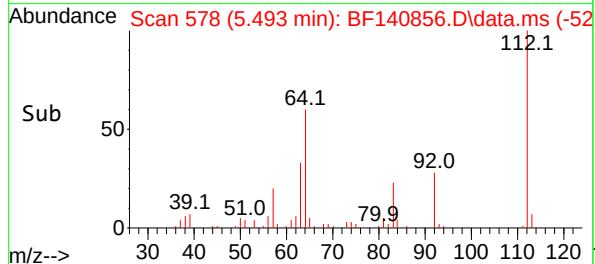
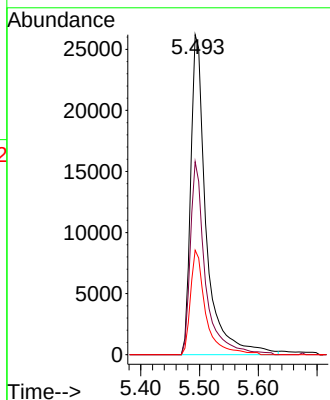
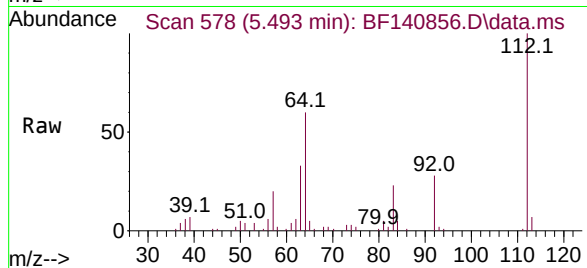




#5
2-Fluorophenol
Concen: 9.965 ng
RT: 5.493 min Scan# 51
Delta R.T. 0.006 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

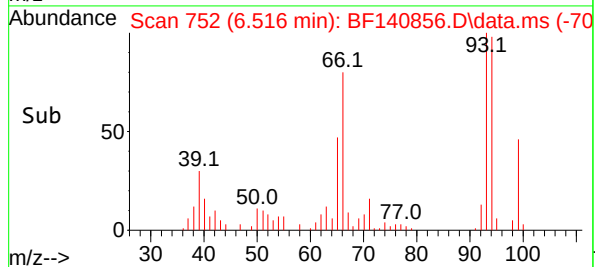
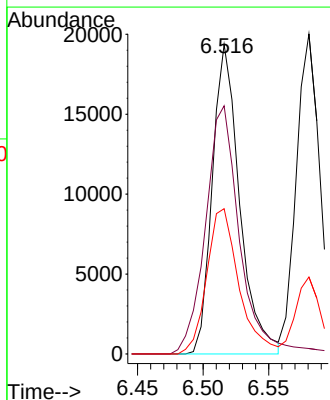
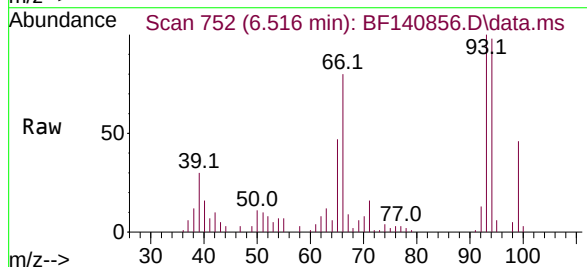
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

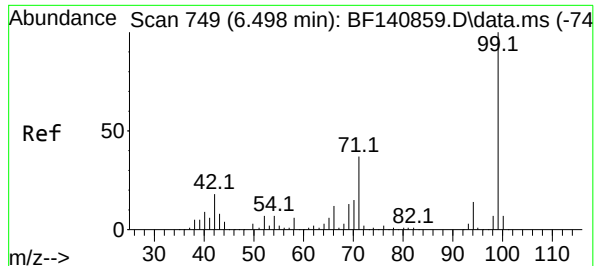
Tgt Ion:112 Resp: 48219
Ion Ratio Lower Upper
112 100
64 60.3 46.1 69.1
63 32.6 24.9 37.3



#6
Aniline
Concen: 5.116 ng
RT: 6.516 min Scan# 752
Delta R.T. -0.000 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

Tgt Ion: 93 Resp: 28034
Ion Ratio Lower Upper
93 100
66 80.1 67.0 100.4
65 46.9 40.4 60.6





#7

Phenol-d6

Concen: 10.516 ng

RT: 6.498 min Scan# 749

Delta R.T. -0.000 min

Lab File: BF140856.D

Acq: 16 Dec 2024 12:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

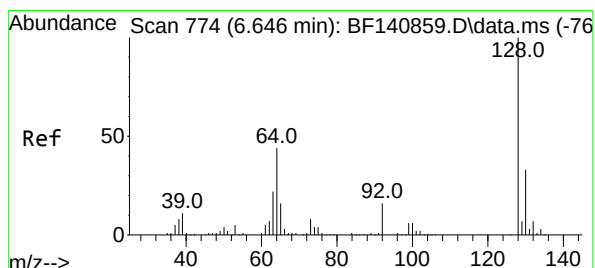
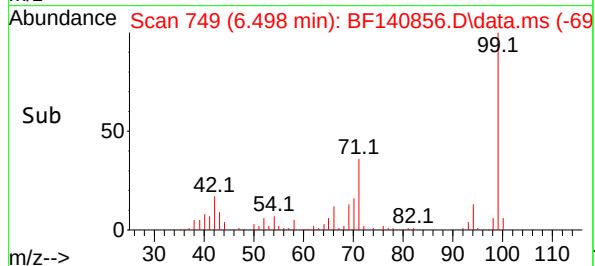
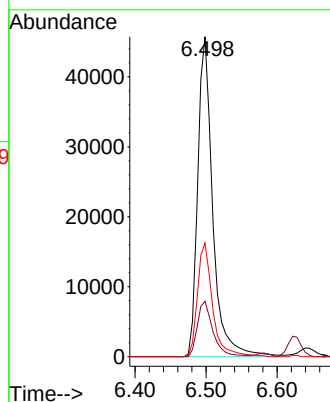
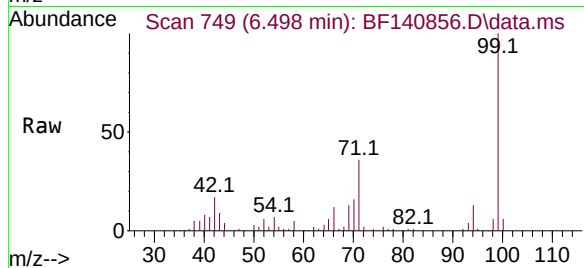
Tgt Ion: 99 Resp: 67396

Ion Ratio Lower Upper

99 100

42 17.3 14.3 21.5

71 35.5 29.9 44.9



#8

2-Chlorophenol

Concen: 5.070 ng

RT: 6.645 min Scan# 774

Delta R.T. -0.000 min

Lab File: BF140856.D

Acq: 16 Dec 2024 12:39

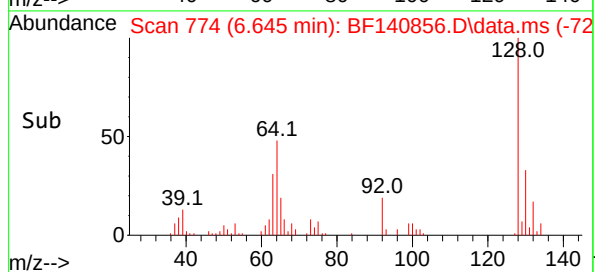
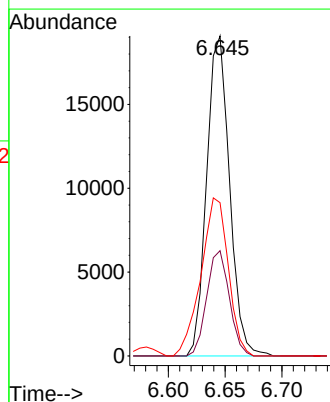
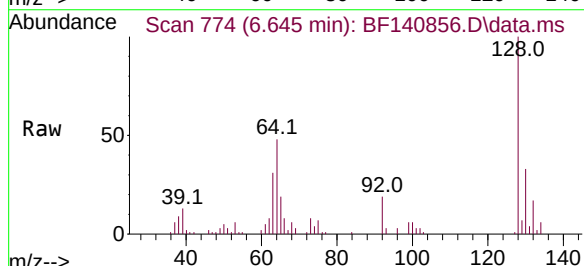
Tgt Ion:128 Resp: 26751

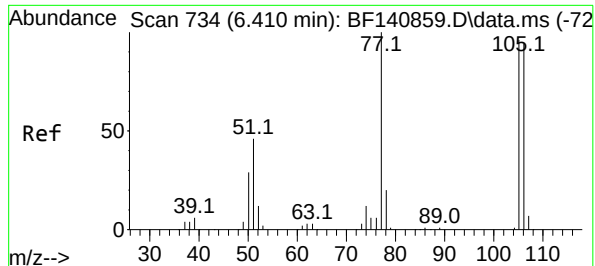
Ion Ratio Lower Upper

128 100

130 32.9 12.9 52.9

64 47.9 24.3 64.3





#9

Benzaldehyde

Concen: 5.876 ng

RT: 6.410 min Scan# 710

Delta R.T. -0.000 min

Lab File: BF140856.D

Acq: 16 Dec 2024 12:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

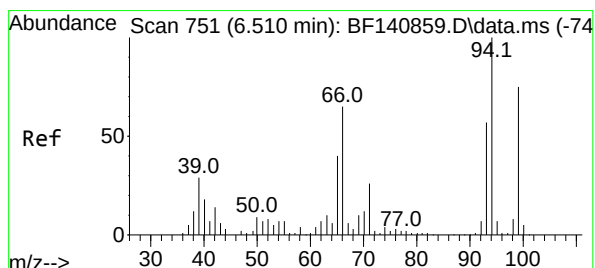
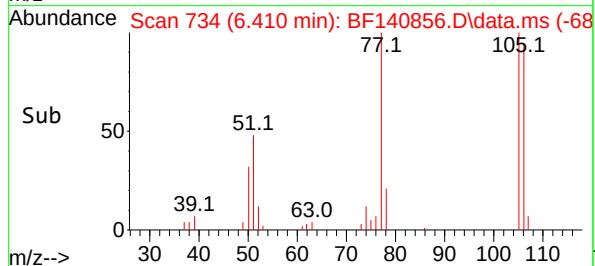
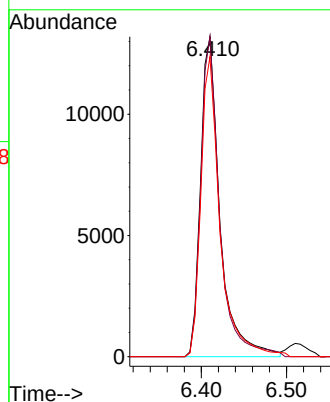
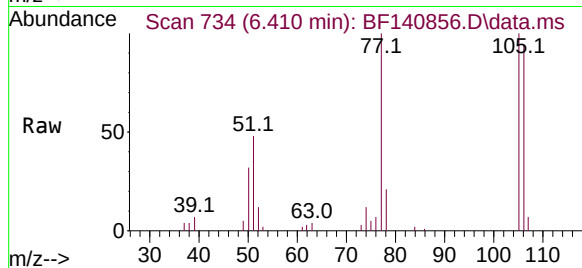
Tgt Ion: 77 Resp: 20868

Ion Ratio Lower Upper

77 100

105 99.9 75.8 115.8

106 93.8 74.1 114.1



#10

Phenol

Concen: 5.264 ng

RT: 6.510 min Scan# 751

Delta R.T. -0.000 min

Lab File: BF140856.D

Acq: 16 Dec 2024 12:39

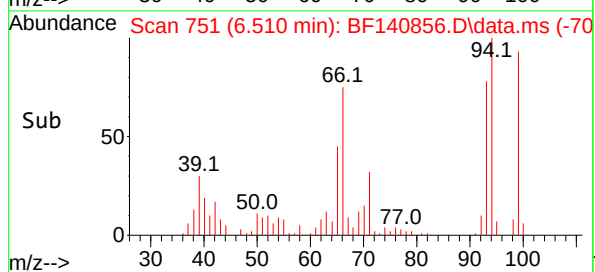
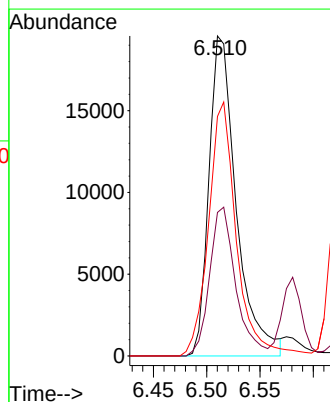
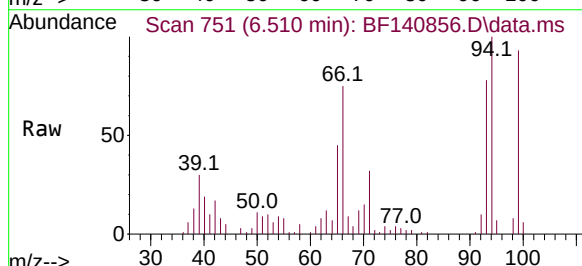
Tgt Ion: 94 Resp: 34967

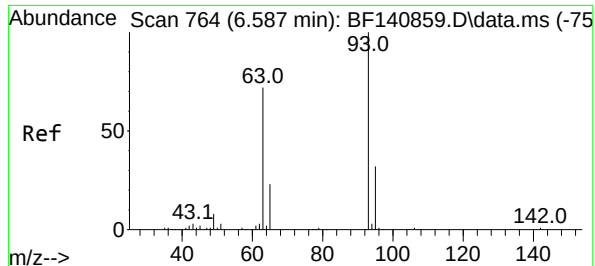
Ion Ratio Lower Upper

94 100

65 44.9 19.9 59.9

66 74.9 45.6 85.6





#11

bis(2-Chloroethyl)ether

Concen: 5.133 ng

RT: 6.581 min Scan# 764

Delta R.T. -0.006 min

Lab File: BF140856.D

Acq: 16 Dec 2024 12:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

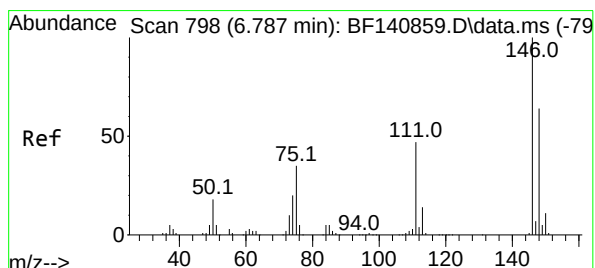
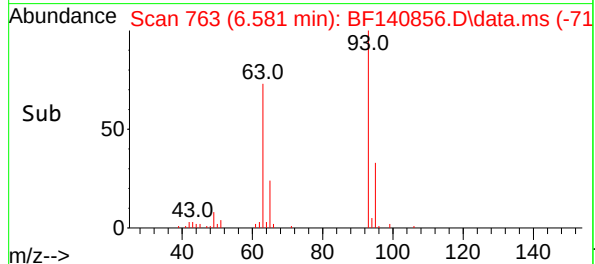
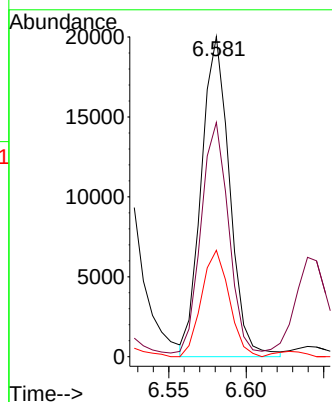
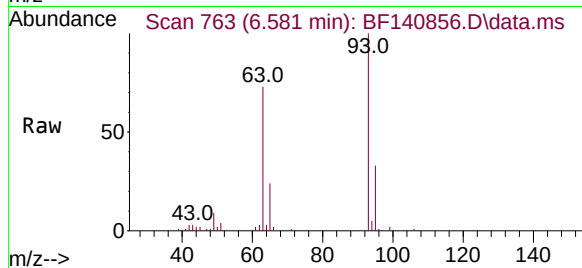
Tgt Ion: 93 Resp: 25426

Ion Ratio Lower Upper

93 100

63 73.2 51.0 91.0

95 33.3 12.0 52.0



#12

1,3-Dichlorobenzene

Concen: 5.246 ng

RT: 6.787 min Scan# 798

Delta R.T. -0.000 min

Lab File: BF140856.D

Acq: 16 Dec 2024 12:39

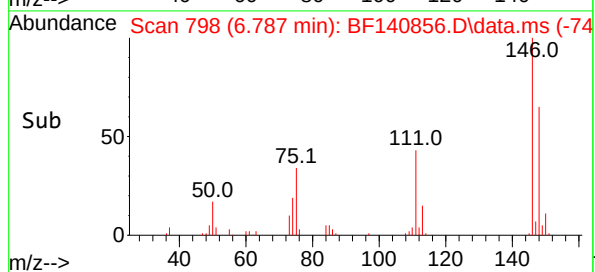
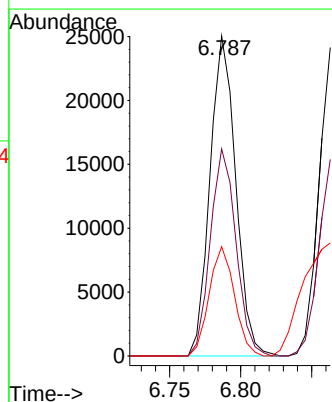
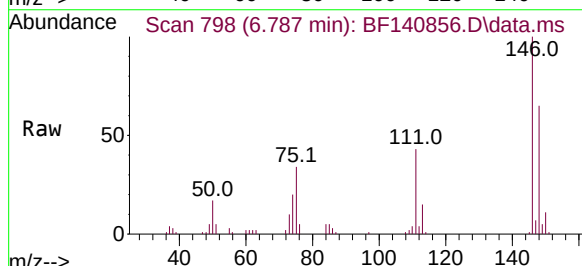
Tgt Ion: 146 Resp: 31542

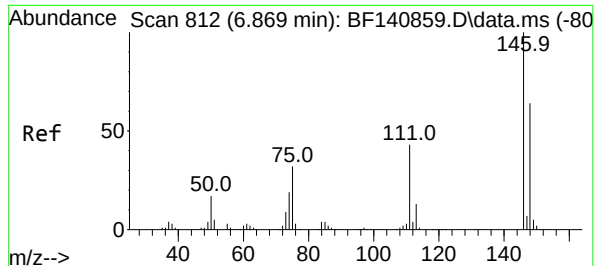
Ion Ratio Lower Upper

146 100

148 64.7 51.0 76.6

75 34.2 28.1 42.1





#13

1,4-Dichlorobenzene

Concen: 5.245 ng

RT: 6.863 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF140856.D

Acq: 16 Dec 2024 12:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

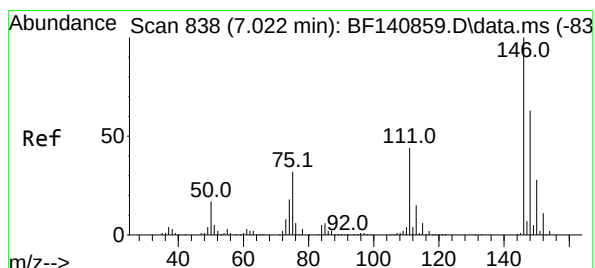
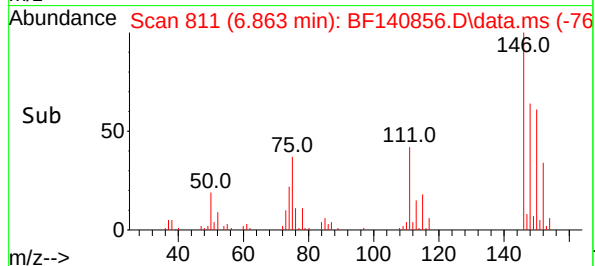
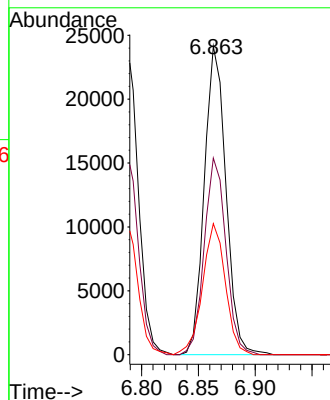
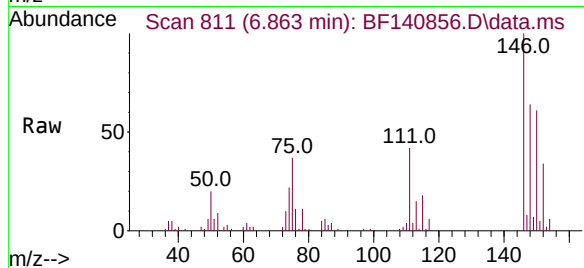
Tgt Ion:146 Resp: 32009

Ion Ratio Lower Upper

146 100

148 63.8 51.3 76.9

111 42.5 34.4 51.6



#14

1,2-Dichlorobenzene

Concen: 5.261 ng

RT: 7.016 min Scan# 837

Delta R.T. -0.006 min

Lab File: BF140856.D

Acq: 16 Dec 2024 12:39

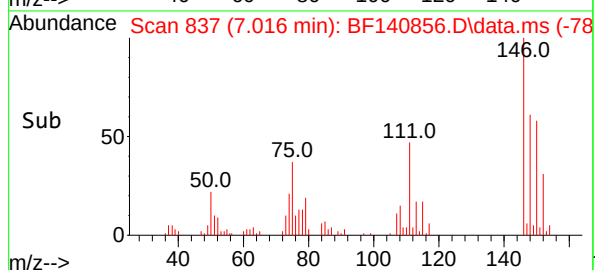
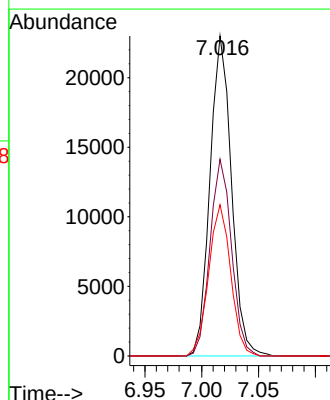
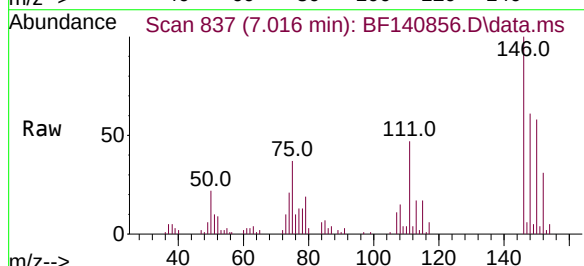
Tgt Ion:146 Resp: 30294

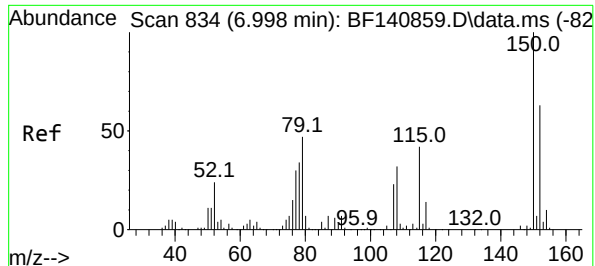
Ion Ratio Lower Upper

146 100

148 61.5 50.0 75.0

111 47.2 35.6 53.4





#15

Benzyl Alcohol

Concen: 4.982 ng

RT: 6.998 min Scan# 81

Delta R.T. -0.000 min

Lab File: BF140856.D

Acq: 16 Dec 2024 12:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

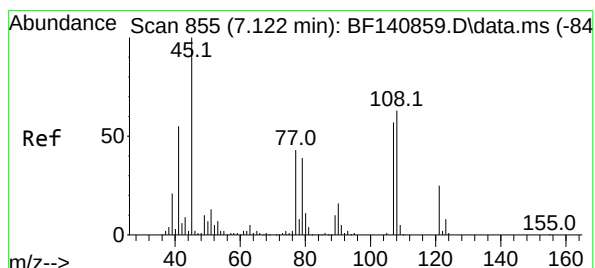
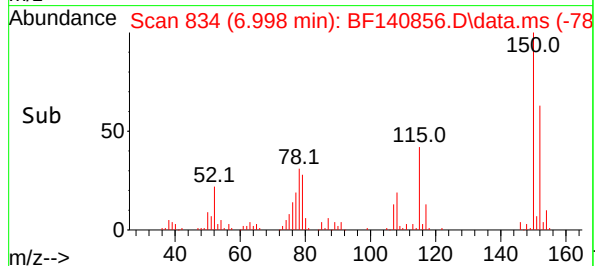
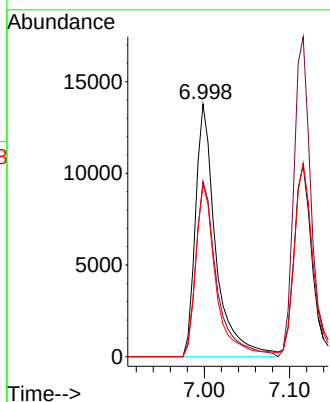
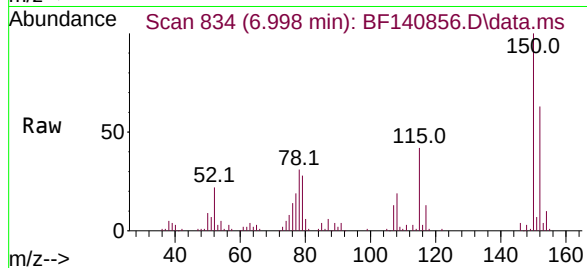
Tgt Ion: 79 Resp: 22831

Ion Ratio Lower Upper

79 100

108 69.4 55.1 82.7

77 68.2 50.6 76.0



#16

2,2'-oxybis(1-chloropropane)

Concen: 5.333 ng

RT: 7.116 min Scan# 854

Delta R.T. -0.006 min

Lab File: BF140856.D

Acq: 16 Dec 2024 12:39

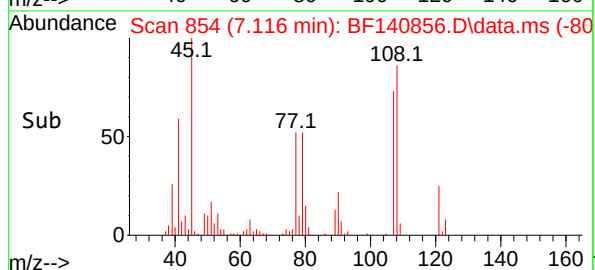
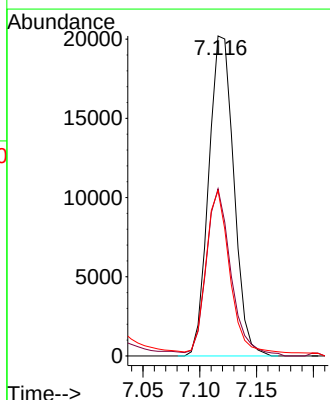
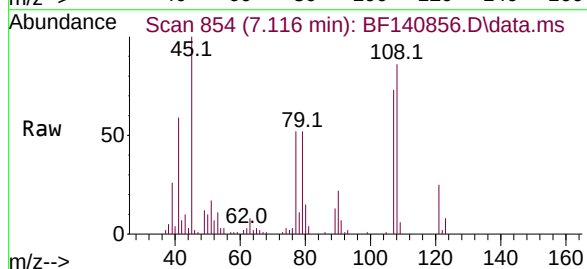
Tgt Ion: 45 Resp: 31121

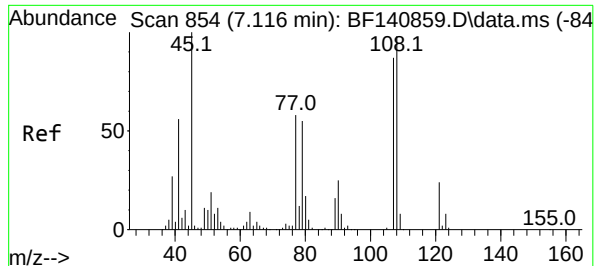
Ion Ratio Lower Upper

45 100

77 52.3 23.3 63.3

79 51.7 20.0 60.0

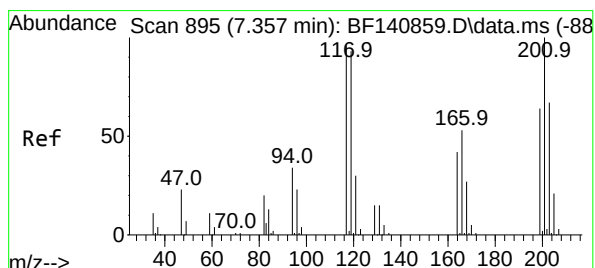
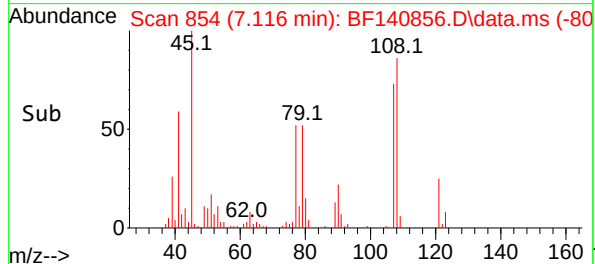
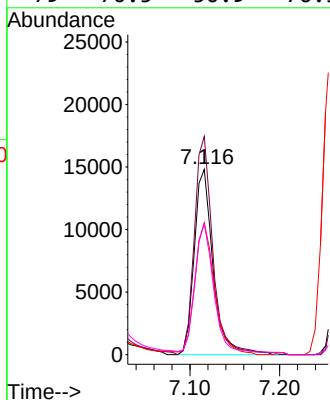
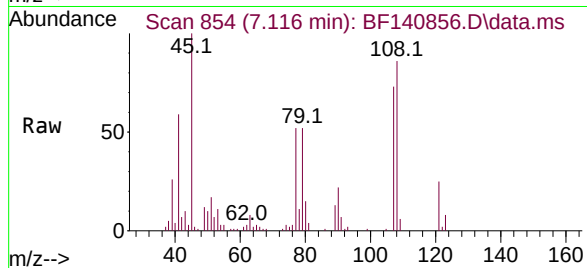




#17
2-Methylphenol
Concen: 5.112 ng
RT: 7.116 min Scan# 854
Delta R.T. -0.000 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

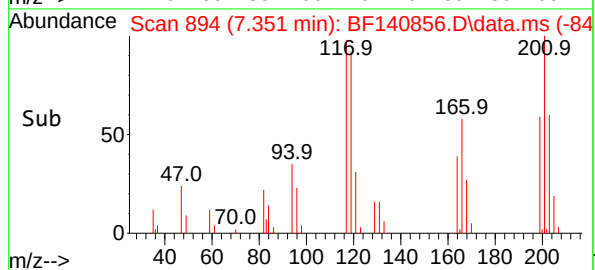
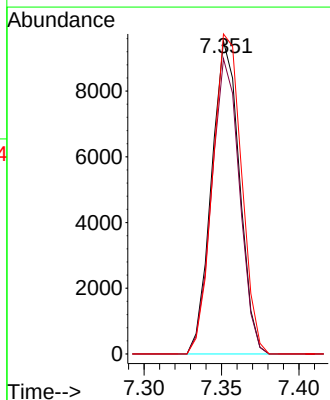
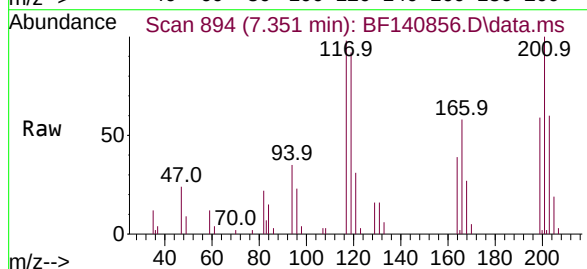
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

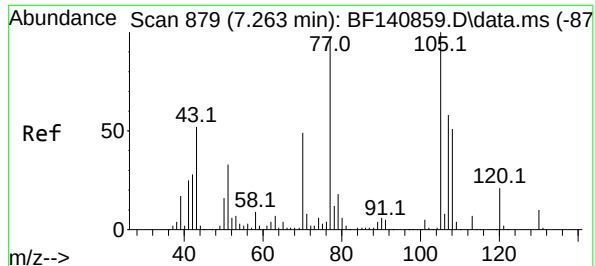
Tgt Ion:	107	Resp:	21534
Ion	Ratio	Lower	Upper
107	100		
108	117.8	90.2	135.4
77	71.3	53.8	80.6
79	70.5	50.9	76.3



#18
Hexachloroethane
Concen: 5.259 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.006 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

Tgt Ion:	117	Resp:	11948
Ion	Ratio	Lower	Upper
117	100		
119	94.4	77.4	116.0
201	102.3	83.4	125.0





#19

n-Nitroso-di-n-propylamine

Concen: 5.337 ng

RT: 7.251 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF140856.D

Acq: 16 Dec 2024 12:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion: 70 Resp: 20518

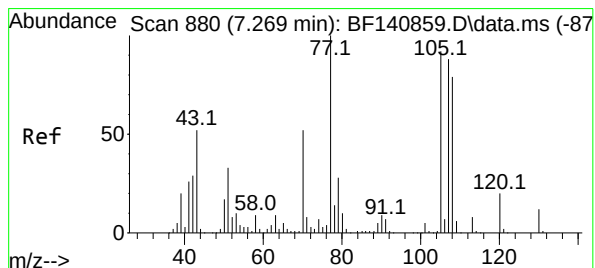
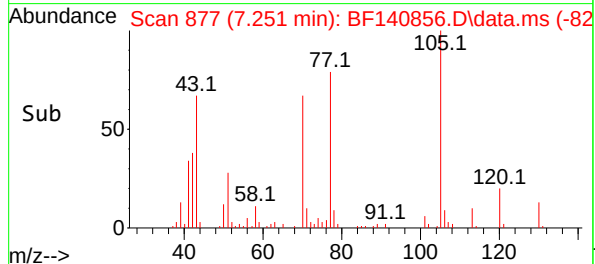
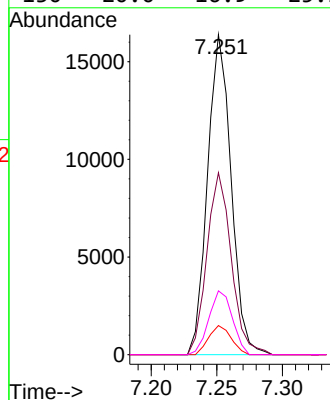
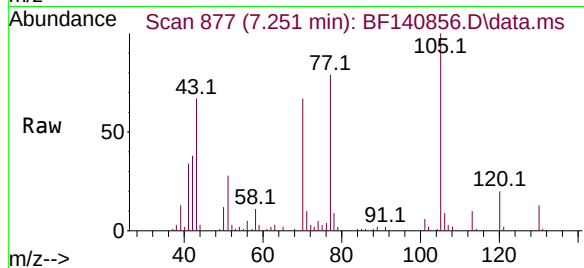
Ion Ratio Lower Upper

70 100

42 56.9 45.3 67.9

101 9.1 8.0 12.0

130 20.0 16.9 25.3



#20

3+4-Methylphenols

Concen: 5.356 ng

RT: 7.275 min Scan# 881

Delta R.T. 0.006 min

Lab File: BF140856.D

Acq: 16 Dec 2024 12:39

Tgt Ion: 107 Resp: 29921

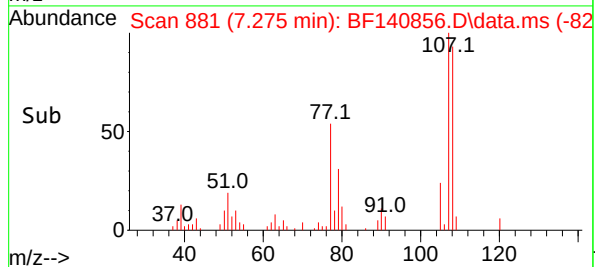
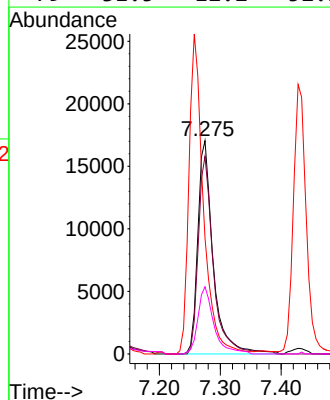
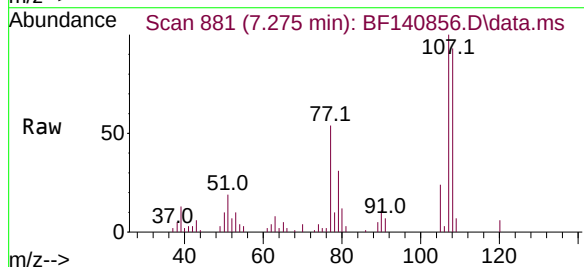
Ion Ratio Lower Upper

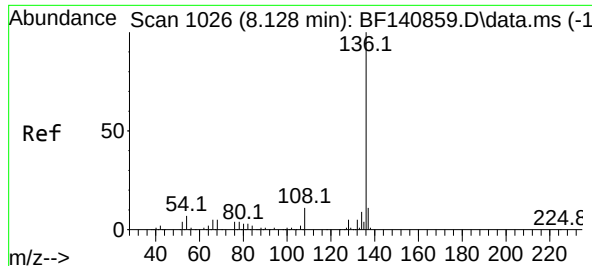
107 100

108 92.6 70.1 110.1

77 54.4 94.4 134.4#

79 31.5 12.2 52.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.128 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF140856.D

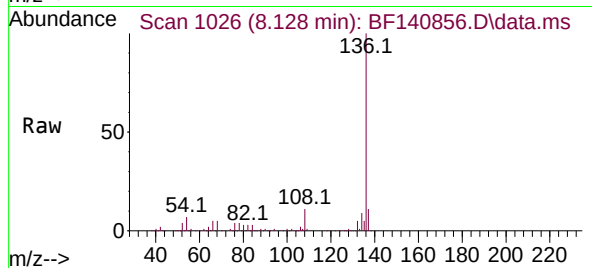
Acq: 16 Dec 2024 12:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC005



Tgt Ion:136 Resp: 306130

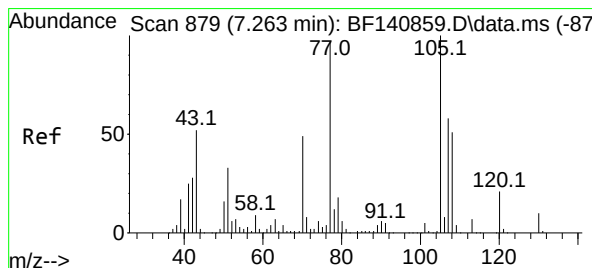
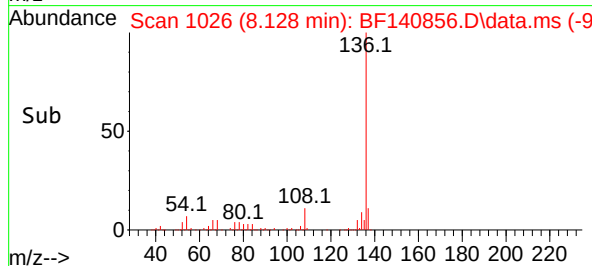
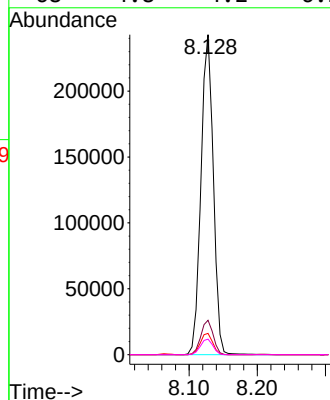
Ion Ratio Lower Upper

136 100

137 10.8 9.0 13.4

54 6.7 5.6 8.4

68 4.8 4.2 6.2



#22

Acetophenone

Concen: 5.252 ng

RT: 7.257 min Scan# 878

Delta R.T. -0.006 min

Lab File: BF140856.D

Acq: 16 Dec 2024 12:39

Tgt Ion:105 Resp: 40223

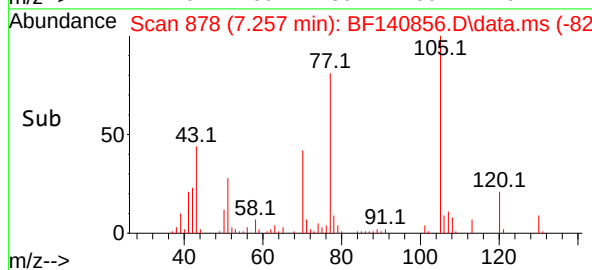
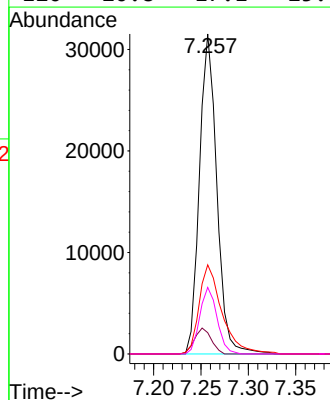
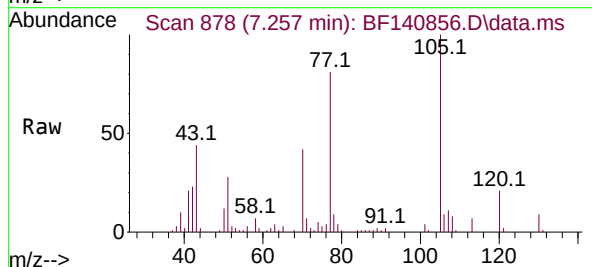
Ion Ratio Lower Upper

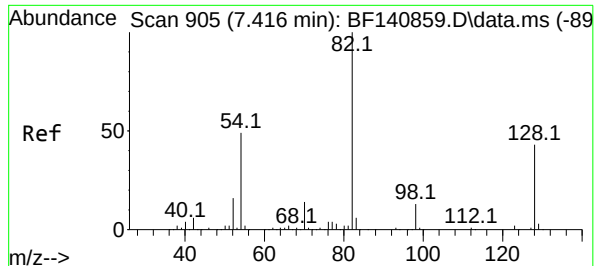
105 100

71 6.6 6.2 9.4

51 27.9 26.3 39.5

120 20.8 17.1 25.7





#23

Nitrobenzene-d5

Concen: 10.150 ng

RT: 7.410 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF140856.D

Acq: 16 Dec 2024 12:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

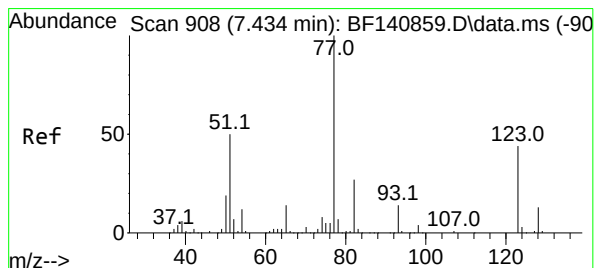
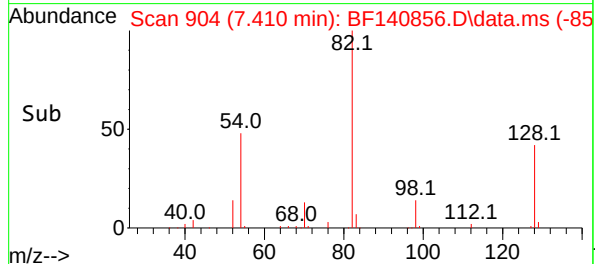
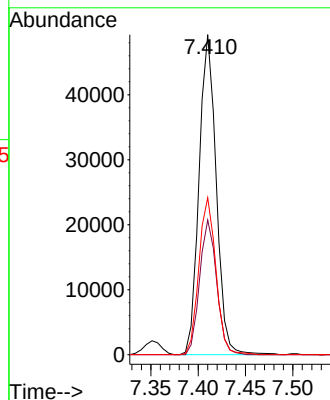
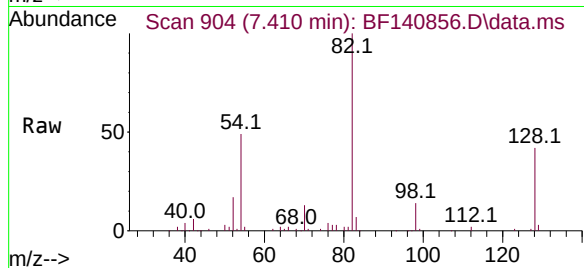
Tgt Ion: 82 Resp: 62104

Ion Ratio Lower Upper

82 100

128 42.1 34.4 51.6

54 49.1 38.8 58.2



#24

Nitrobenzene

Concen: 5.099 ng

RT: 7.428 min Scan# 907

Delta R.T. -0.006 min

Lab File: BF140856.D

Acq: 16 Dec 2024 12:39

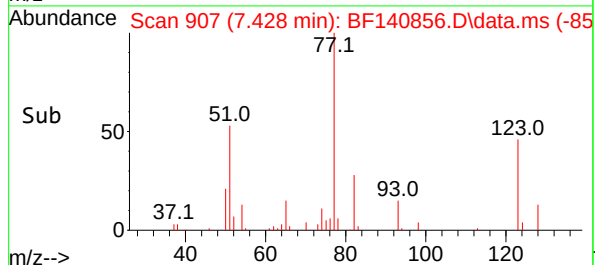
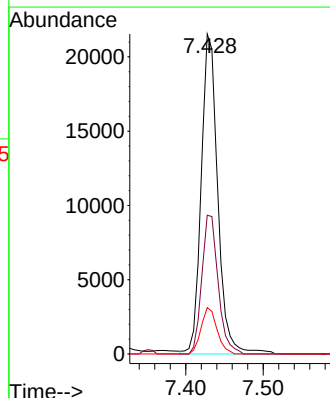
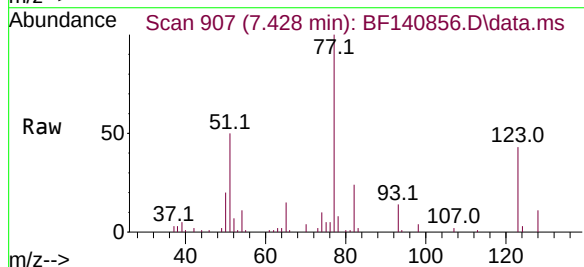
Tgt Ion: 77 Resp: 31964

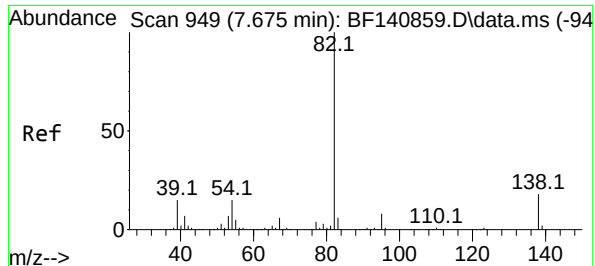
Ion Ratio Lower Upper

77 100

123 43.3 35.0 52.4

65 14.5 11.4 17.0





#25

Isophorone

Concen: 5.085 ng

RT: 7.669 min Scan# 949

Delta R.T. -0.006 min

Lab File: BF140856.D

Acq: 16 Dec 2024 12:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

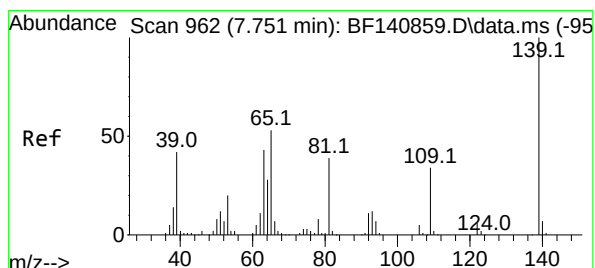
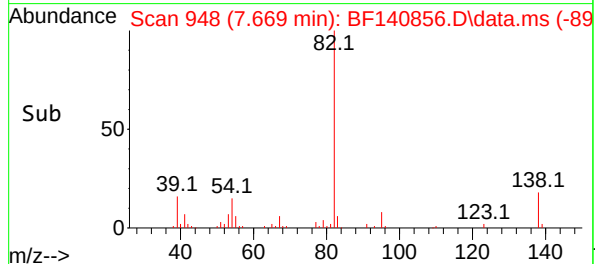
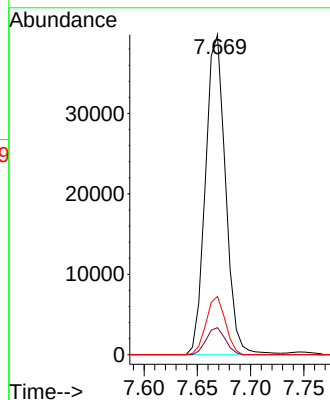
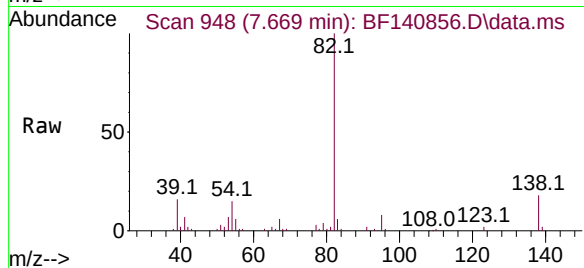
Tgt Ion: 82 Resp: 52133

Ion Ratio Lower Upper

82 100

95 8.4 6.3 9.5

138 18.2 14.1 21.1



#26

2-Nitrophenol

Concen: 4.847 ng

RT: 7.751 min Scan# 962

Delta R.T. -0.000 min

Lab File: BF140856.D

Acq: 16 Dec 2024 12:39

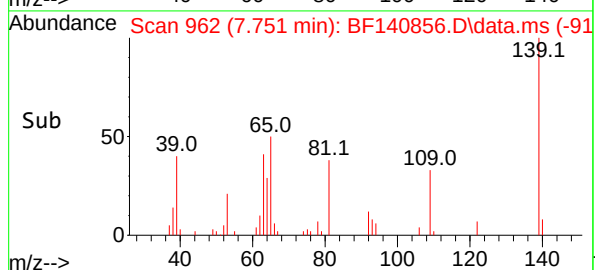
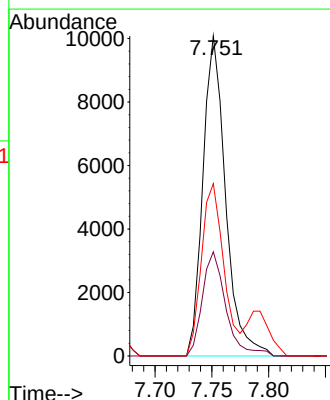
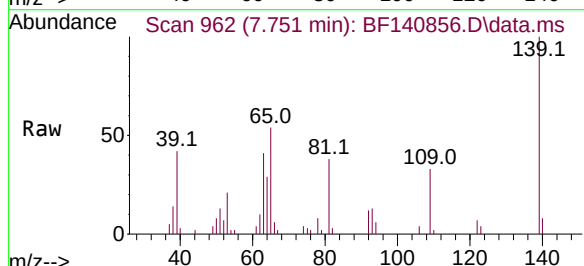
Tgt Ion:139 Resp: 13994

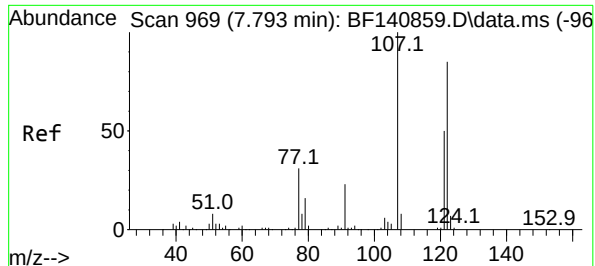
Ion Ratio Lower Upper

139 100

109 32.5 26.9 40.3

65 53.8 42.6 64.0





#27

2,4-Dimethylphenol

Concen: 5.017 ng

RT: 7.792 min Scan# 90

Delta R.T. -0.000 min

Lab File: BF140856.D

Acq: 16 Dec 2024 12:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

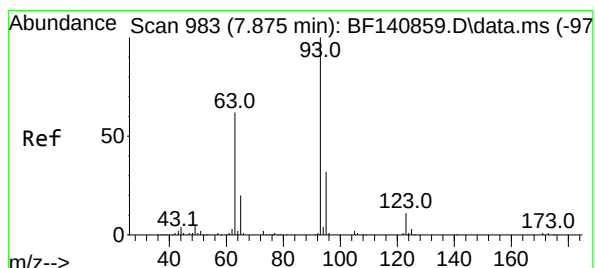
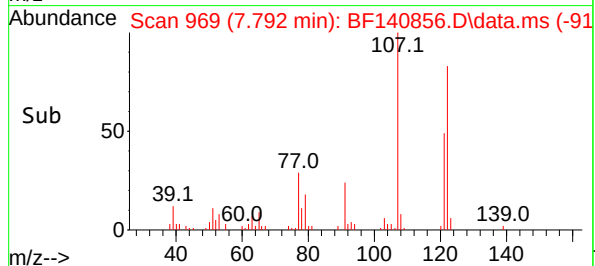
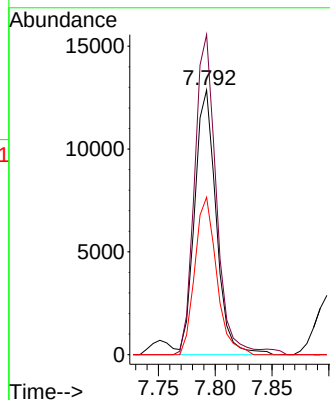
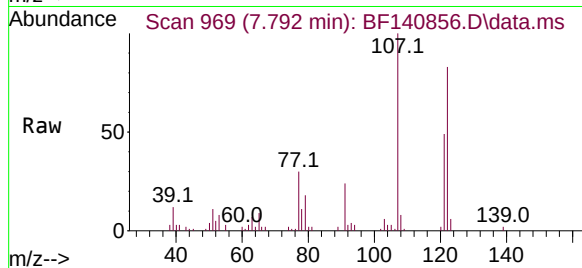
Tgt Ion:122 Resp: 16915

Ion Ratio Lower Upper

122 100

107 120.9 92.6 139.0

121 59.5 45.8 68.8



#28

bis(2-Chloroethoxy)methane

Concen: 5.147 ng

RT: 7.875 min Scan# 983

Delta R.T. -0.000 min

Lab File: BF140856.D

Acq: 16 Dec 2024 12:39

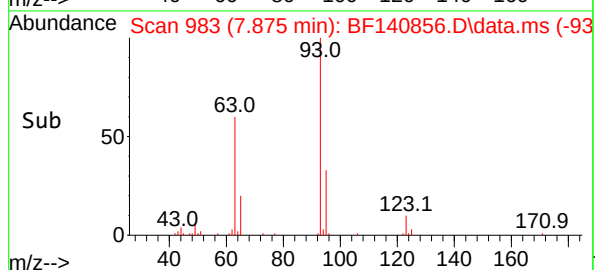
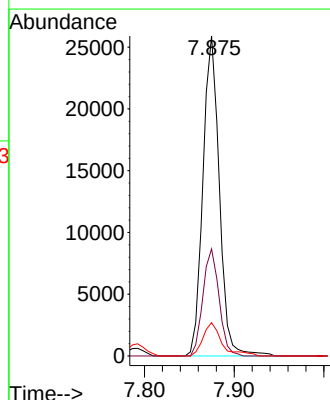
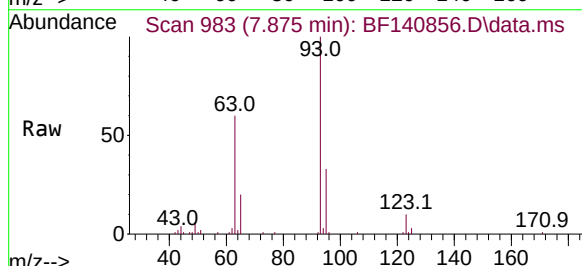
Tgt Ion: 93 Resp: 32959

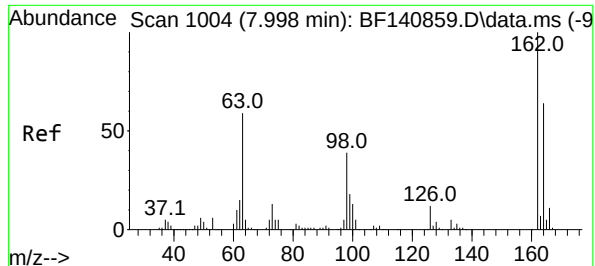
Ion Ratio Lower Upper

93 100

95 33.4 25.3 37.9

123 10.4 8.6 13.0





#29

2,4-Dichlorophenol

Concen: 4.937 ng

RT: 8.010 min Scan# 1006

Delta R.T. 0.012 min

Lab File: BF140856.D

Acq: 16 Dec 2024 12:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

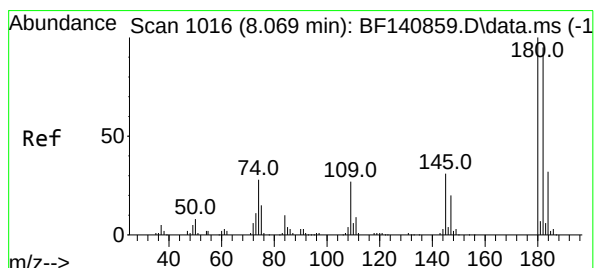
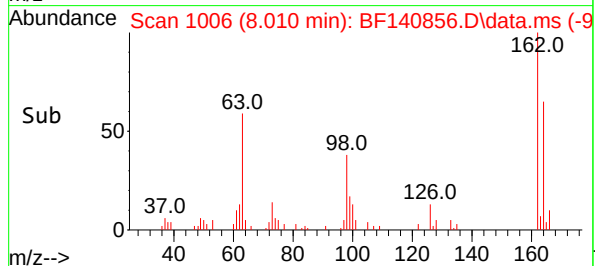
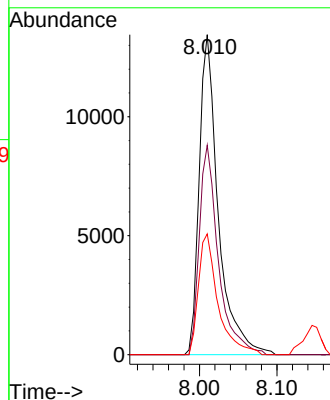
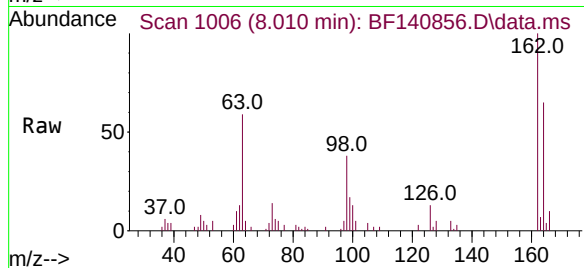
Tgt Ion:162 Resp: 22982

Ion Ratio Lower Upper

162 100

164 65.4 43.7 83.7

98 37.8 18.6 58.6



#30

1,2,4-Trichlorobenzene

Concen: 5.160 ng

RT: 8.069 min Scan# 1016

Delta R.T. -0.000 min

Lab File: BF140856.D

Acq: 16 Dec 2024 12:39

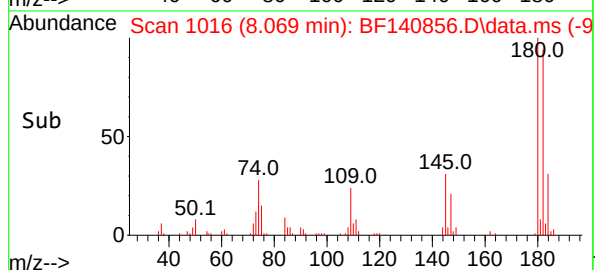
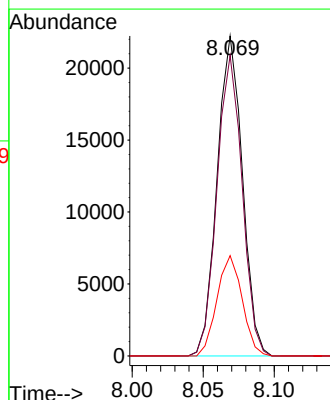
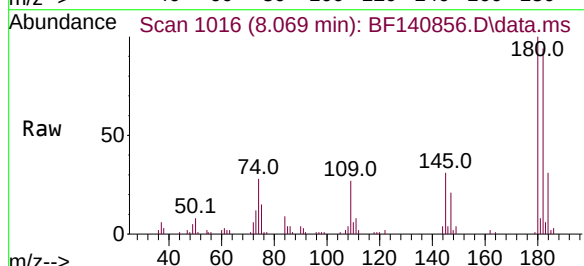
Tgt Ion:180 Resp: 27533

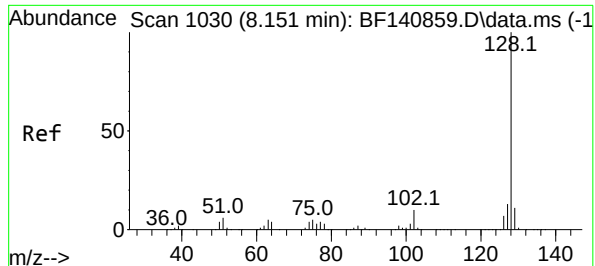
Ion Ratio Lower Upper

180 100

182 93.9 75.8 113.6

145 31.4 25.2 37.8

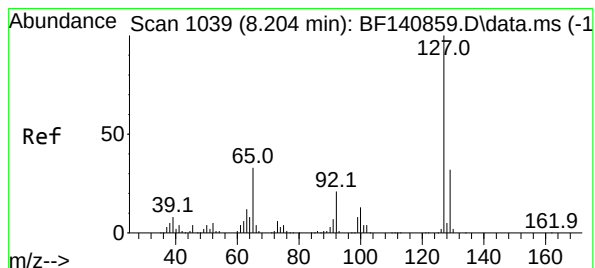
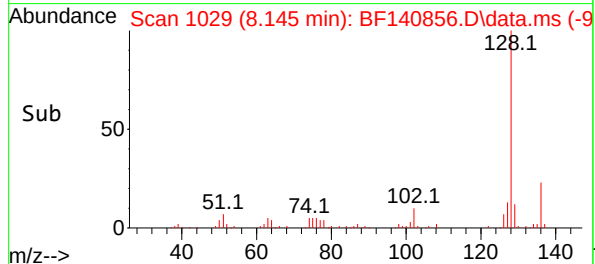
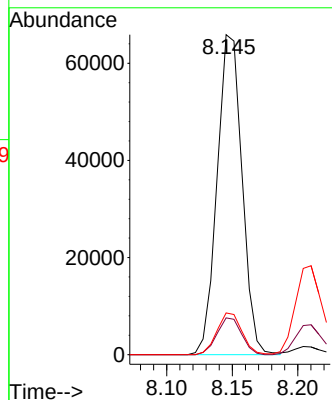
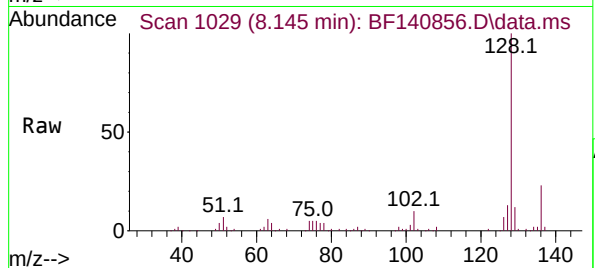




#31
Naphthalene
Concen: 5.179 ng
RT: 8.145 min Scan# 1040
Delta R.T. -0.006 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

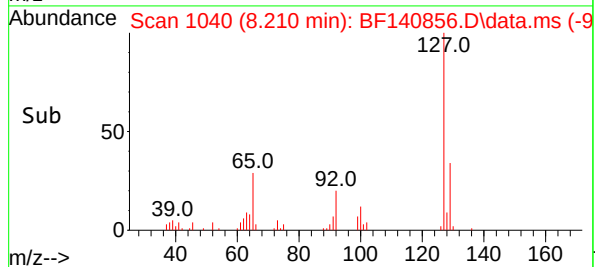
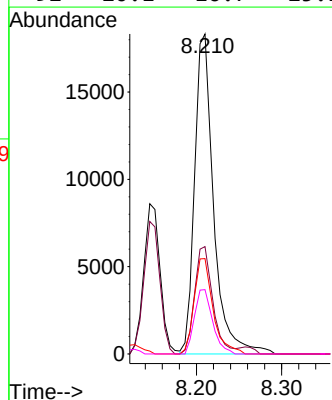
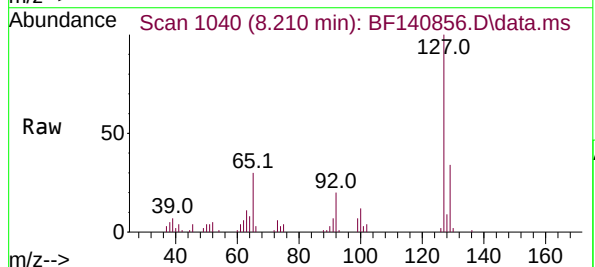
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

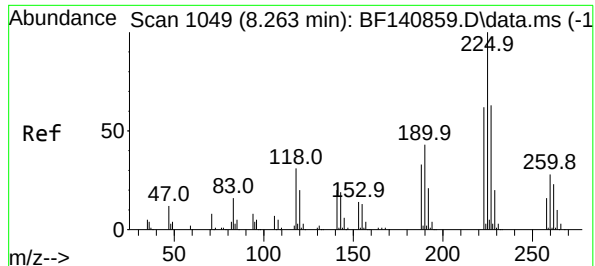
Tgt Ion:128 Resp: 87082
Ion Ratio Lower Upper
128 100
129 11.5 8.9 13.3
127 13.1 10.6 16.0



#33
4-Chloroaniline
Concen: 5.091 ng
RT: 8.210 min Scan# 1040
Delta R.T. 0.006 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

Tgt Ion:127 Resp: 28431
Ion Ratio Lower Upper
127 100
129 33.5 26.0 39.0
65 29.8 26.0 39.0
92 20.1 16.7 25.1





#34

Hexachlorobutadiene

Concen: 5.096 ng

RT: 8.263 min Scan# 1049

Delta R.T. -0.000 min

Lab File: BF140856.D

Acq: 16 Dec 2024 12:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

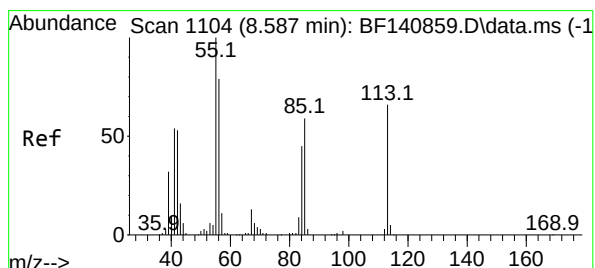
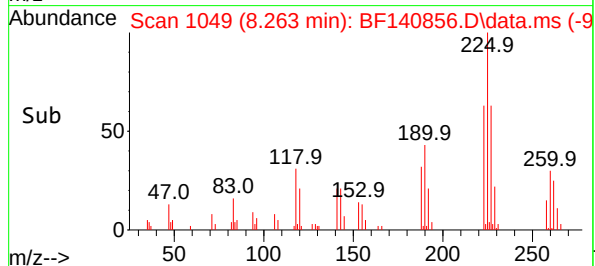
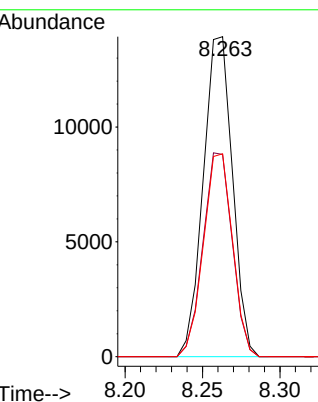
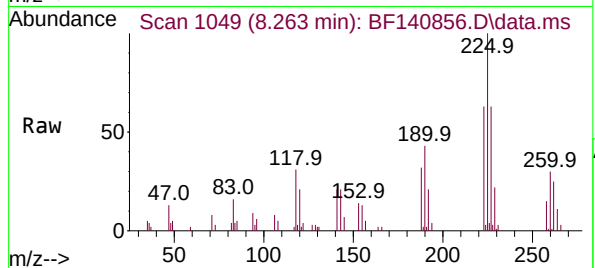
Tgt Ion:225 Resp: 18296

Ion Ratio Lower Upper

225 100

223 63.2 49.6 74.4

227 63.4 50.7 76.1



#35

Caprolactam

Concen: 4.714 ng

RT: 8.551 min Scan# 1098

Delta R.T. -0.035 min

Lab File: BF140856.D

Acq: 16 Dec 2024 12:39

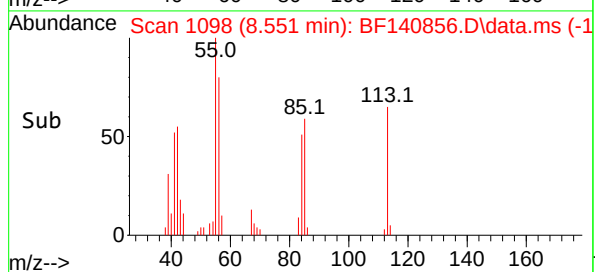
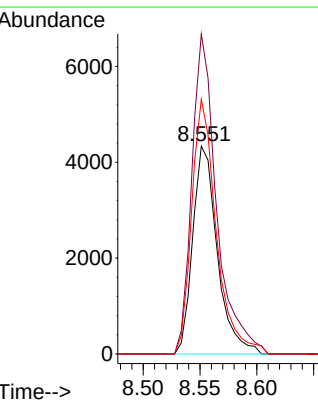
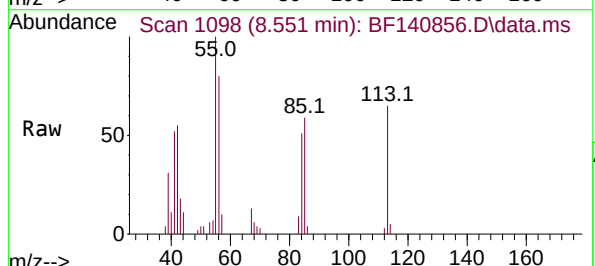
Tgt Ion:113 Resp: 6533

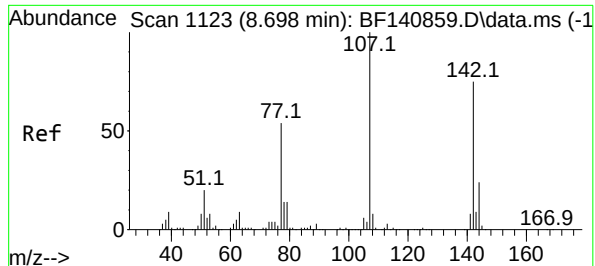
Ion Ratio Lower Upper

113 100

55 153.9 132.3 172.3

56 122.5 100.3 140.3

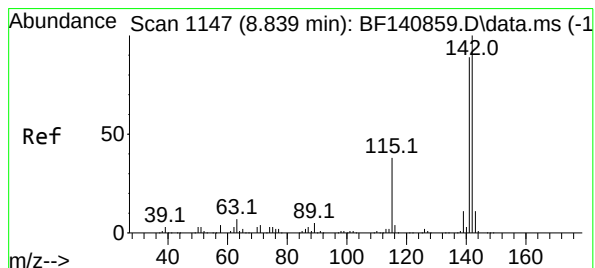
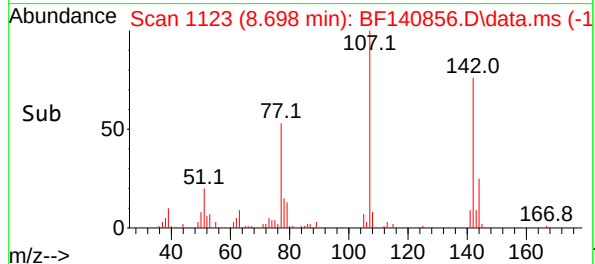
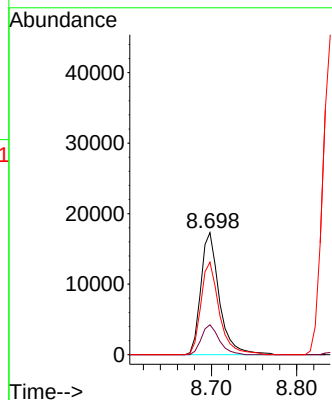
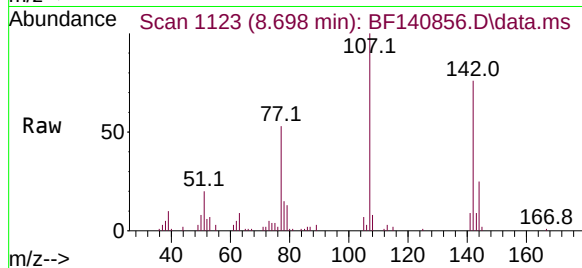




#36
4-Chloro-3-methylphenol
Concen: 4.989 ng
RT: 8.698 min Scan# 1123
Delta R.T. -0.000 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

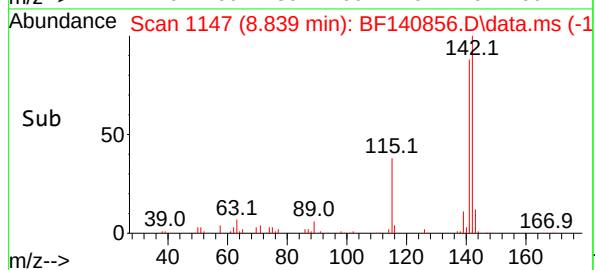
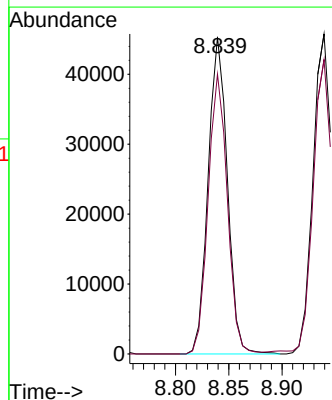
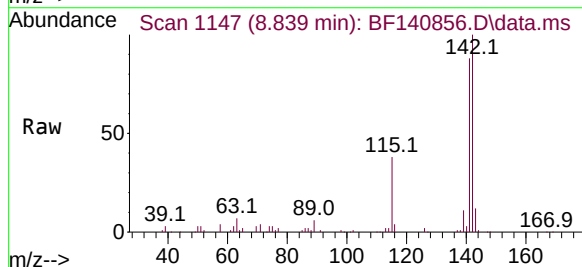
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

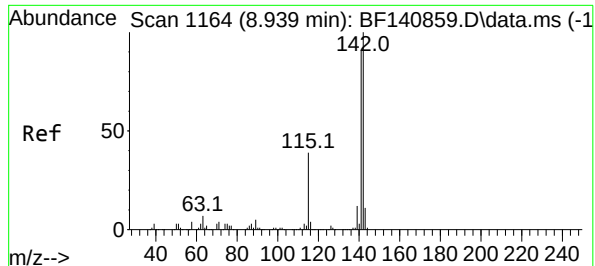
Tgt Ion	Ratio	Lower	Upper
107	100		
144	24.5	19.4	29.2
142	75.8	60.3	90.5



#37
2-Methylnaphthalene
Concen: 5.121 ng
RT: 8.839 min Scan# 1147
Delta R.T. -0.000 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.2	71.0	106.6

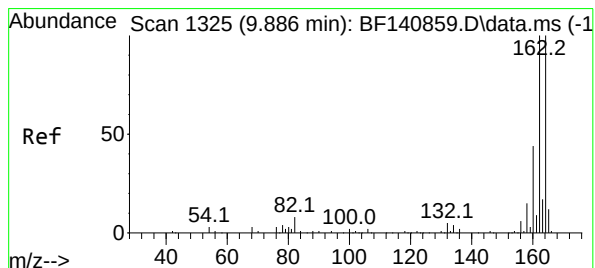
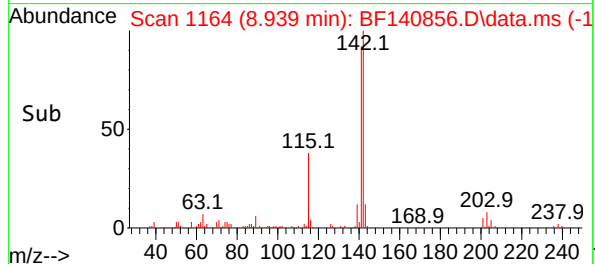
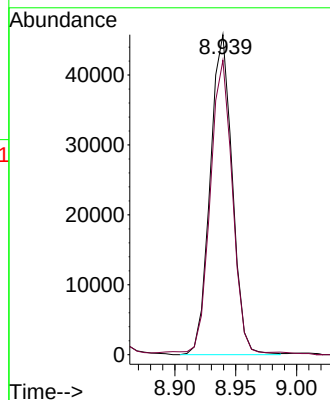
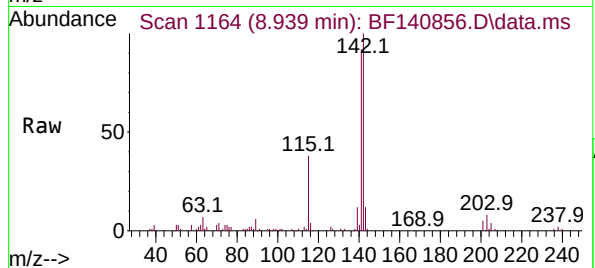




#38
1-Methylnaphthalene
Concen: 5.270 ng
RT: 8.939 min Scan# 1164
Delta R.T. -0.000 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

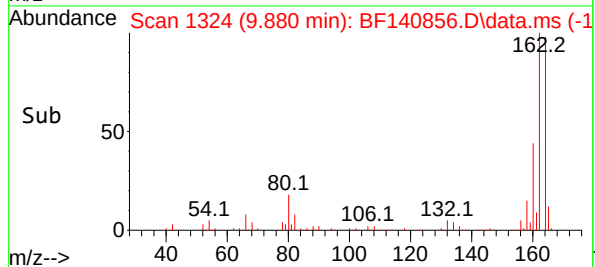
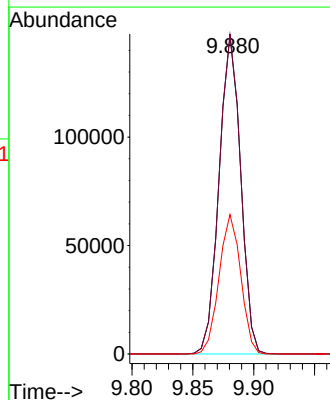
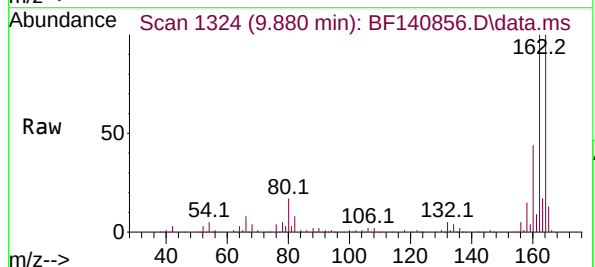
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

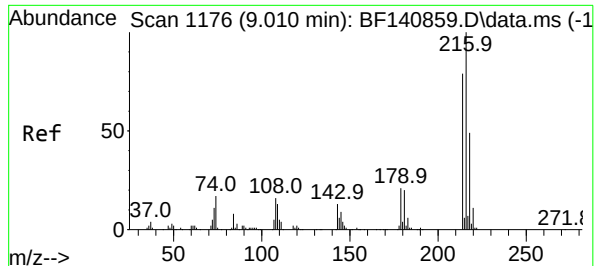
Tgt Ion:142 Resp: 57978
Ion Ratio Lower Upper
142 100
141 92.0 73.4 110.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

Tgt Ion:164 Resp: 181131
Ion Ratio Lower Upper
164 100
162 100.5 79.9 119.9
160 43.8 35.2 52.8





#40

1,2,4,5-Tetrachlorobenzene

Concen: 5.059 ng

RT: 9.004 min Scan# 1175

Delta R.T. -0.006 min

Lab File: BF140856.D

Acq: 16 Dec 2024 12:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:216 Resp: 28167

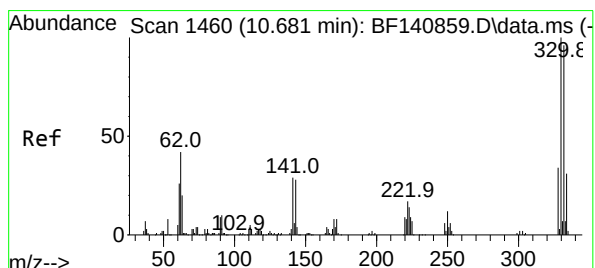
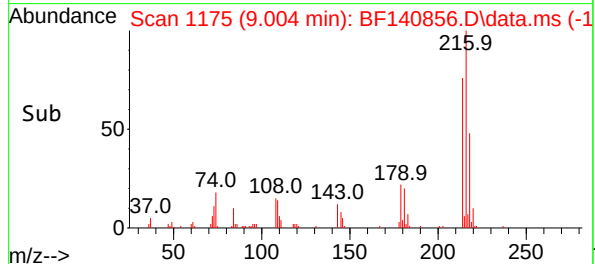
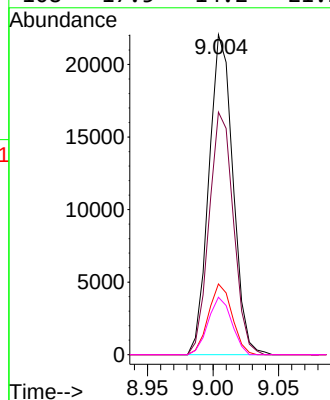
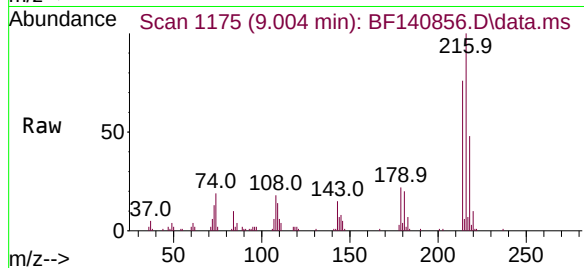
Ion Ratio Lower Upper

216 100

214 76.4 63.6 95.4

179 21.7 17.0 25.4

108 17.5 14.2 21.2



#42

2,4,6-Tribromophenol

Concen: 9.950 ng

RT: 10.675 min Scan# 1459

Delta R.T. -0.006 min

Lab File: BF140856.D

Acq: 16 Dec 2024 12:39

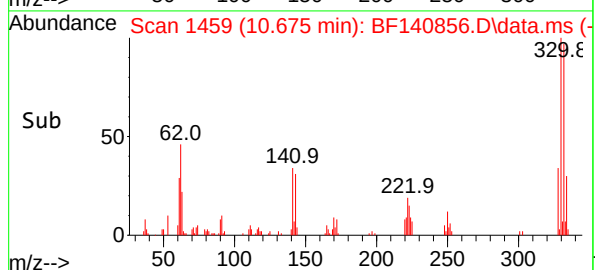
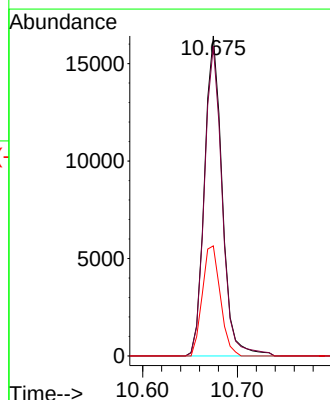
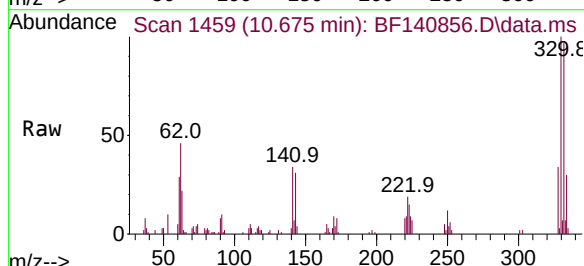
Tgt Ion:330 Resp: 21315

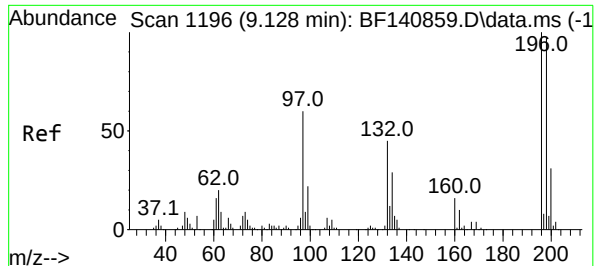
Ion Ratio Lower Upper

330 100

332 96.9 76.2 114.4

141 35.0 24.9 37.3





#43

2,4,6-Trichlorophenol

Concen: 4.622 ng

RT: 9.128 min Scan# 1196

Delta R.T. -0.000 min

Lab File: BF140856.D

Acq: 16 Dec 2024 12:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

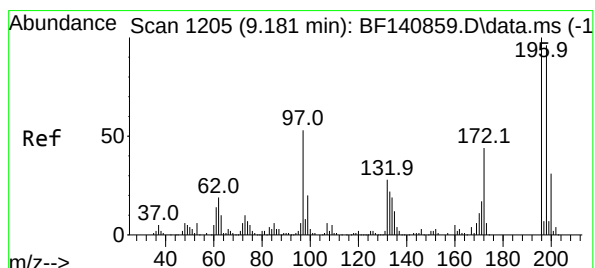
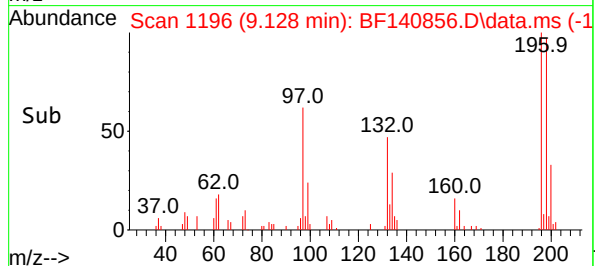
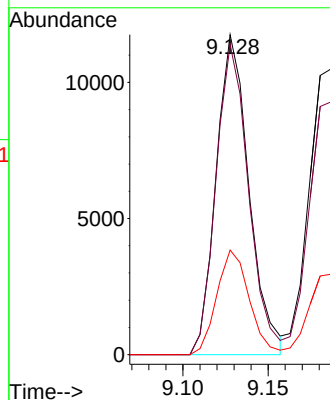
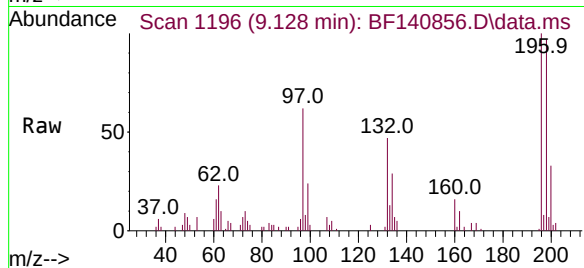
Tgt Ion:196 Resp: 15756

Ion Ratio Lower Upper

196 100

198 97.0 77.4 116.0

200 32.7 24.5 36.7



#44

2,4,5-Trichlorophenol

Concen: 4.990 ng

RT: 9.186 min Scan# 1206

Delta R.T. 0.006 min

Lab File: BF140856.D

Acq: 16 Dec 2024 12:39

Tgt Ion:196 Resp: 18698

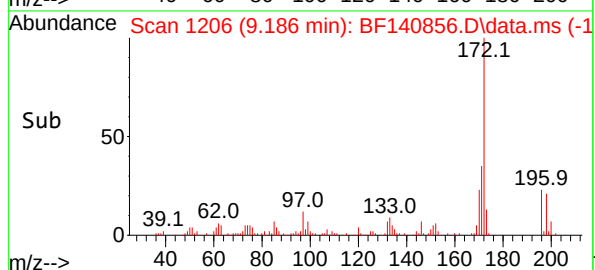
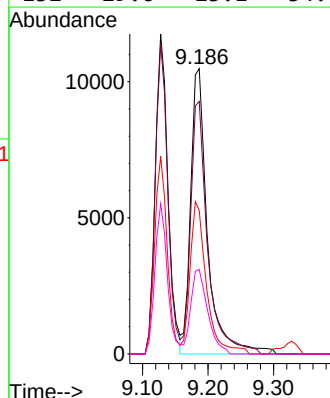
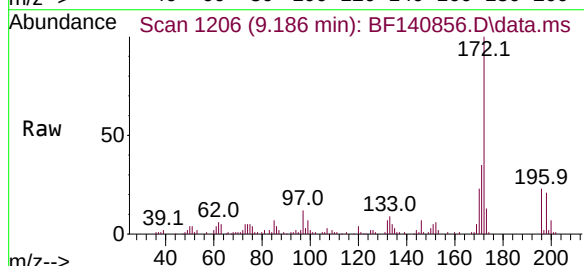
Ion Ratio Lower Upper

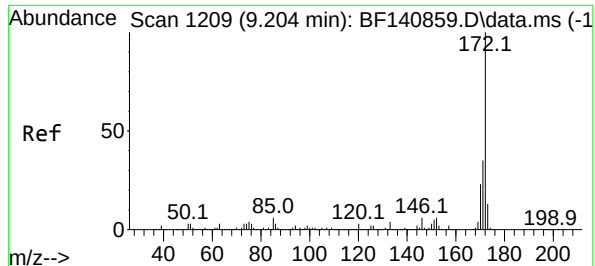
196 100

198 88.5 77.2 115.8

97 50.3 42.2 63.4

132 29.6 23.1 34.7





#45

2-Fluorobiphenyl

Concen: 10.726 ng

RT: 9.198 min Scan# 1208

Delta R.T. -0.006 min

Lab File: BF140856.D

Acq: 16 Dec 2024 12:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

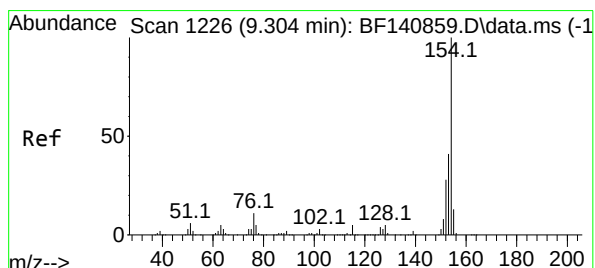
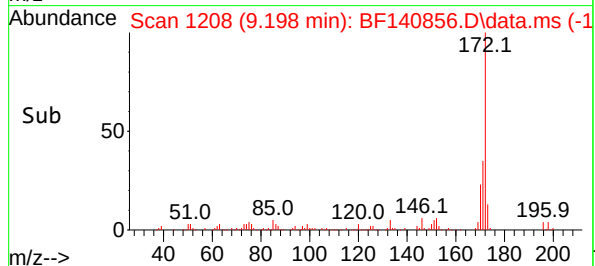
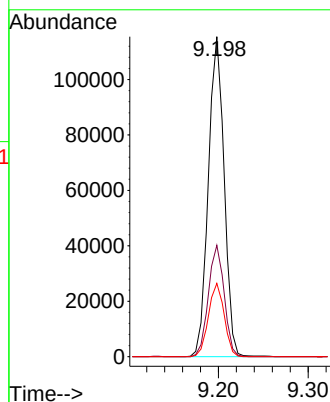
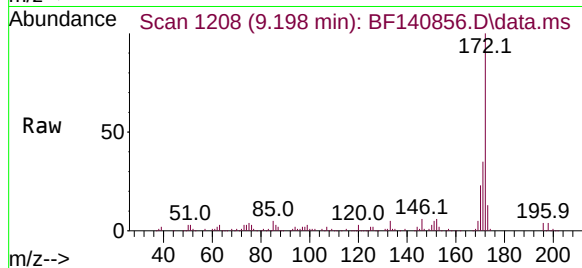
Tgt Ion:172 Resp: 141311

Ion Ratio Lower Upper

172 100

171 34.8 28.4 42.6

170 22.9 18.6 28.0



#46

1,1'-Biphenyl

Concen: 5.276 ng

RT: 9.298 min Scan# 1225

Delta R.T. -0.006 min

Lab File: BF140856.D

Acq: 16 Dec 2024 12:39

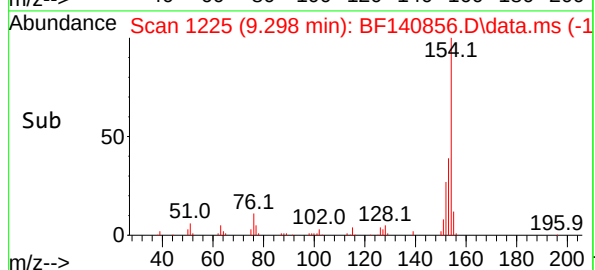
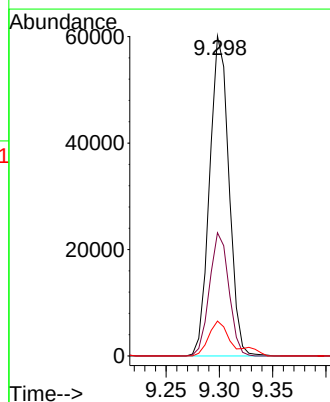
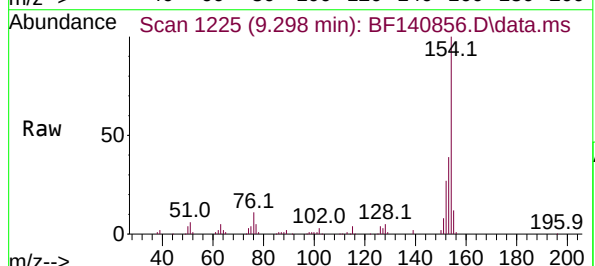
Tgt Ion:154 Resp: 75993

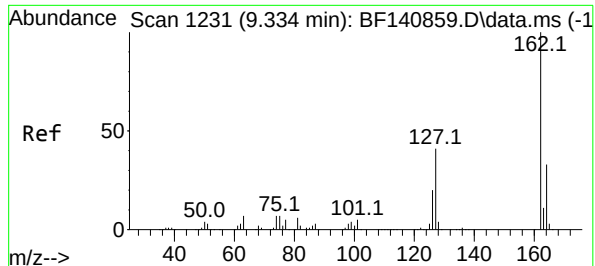
Ion Ratio Lower Upper

154 100

153 38.5 20.8 60.8

76 10.9 0.0 31.0





#47

2-Chloronaphthalene

Concen: 5.080 ng

RT: 9.328 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140856.D

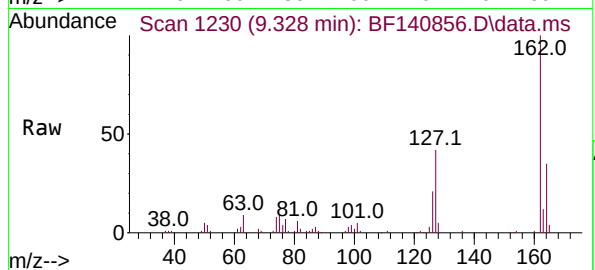
Acq: 16 Dec 2024 12:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC005



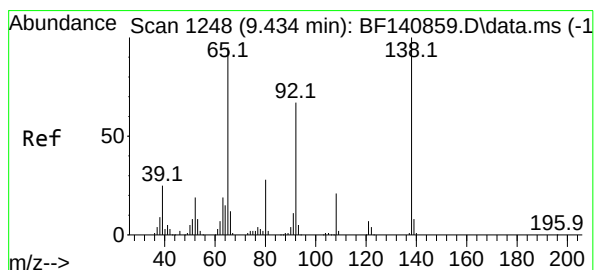
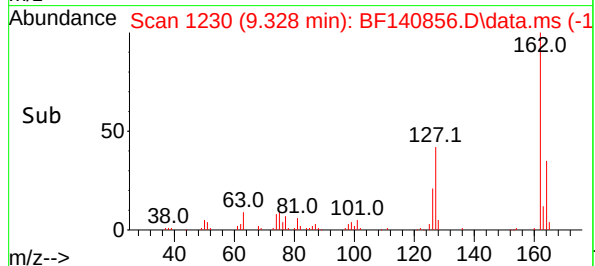
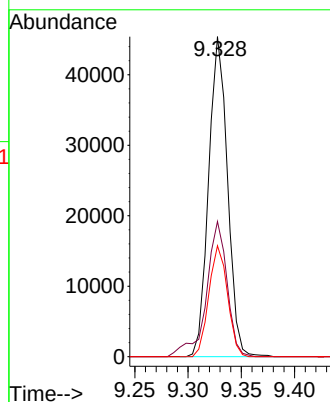
Tgt Ion:162 Resp: 55976

Ion Ratio Lower Upper

162 100

127 42.3 33.5 50.3

164 34.6 26.2 39.2



#48

2-Nitroaniline

Concen: 4.757 ng

RT: 9.433 min Scan# 1248

Delta R.T. -0.000 min

Lab File: BF140856.D

Acq: 16 Dec 2024 12:39

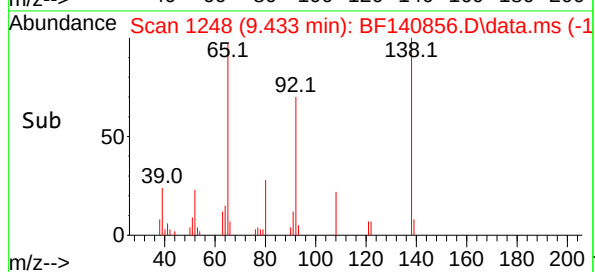
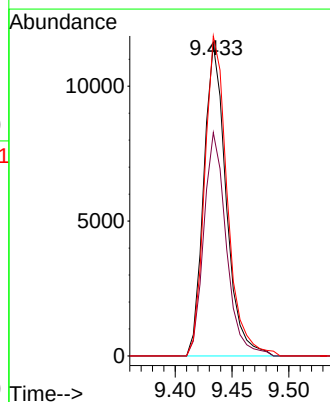
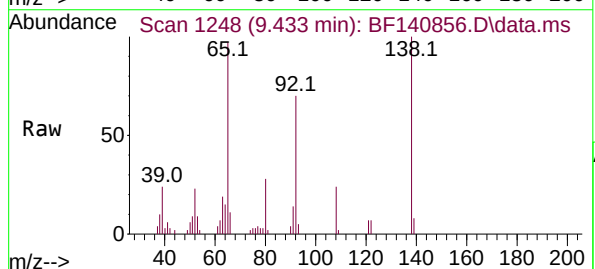
Tgt Ion: 65 Resp: 15829

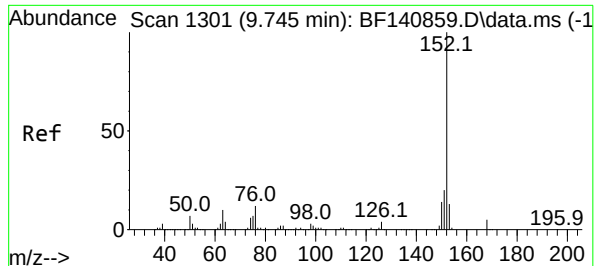
Ion Ratio Lower Upper

65 100

92 71.7 56.3 84.5

138 102.8 83.8 125.6





#49

Acenaphthylene

Concen: 5.241 ng

RT: 9.745 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF140856.D

Acq: 16 Dec 2024 12:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

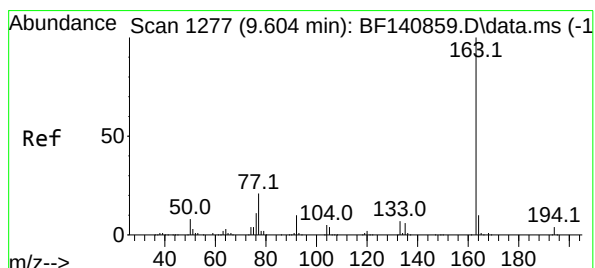
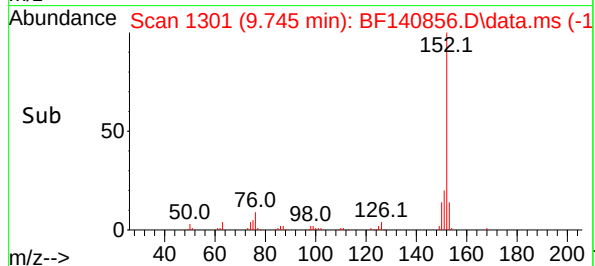
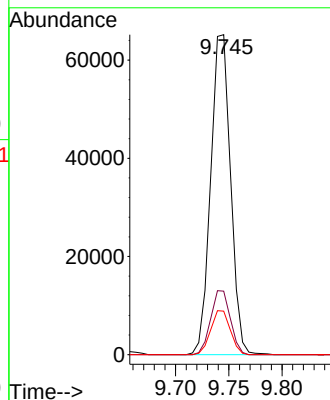
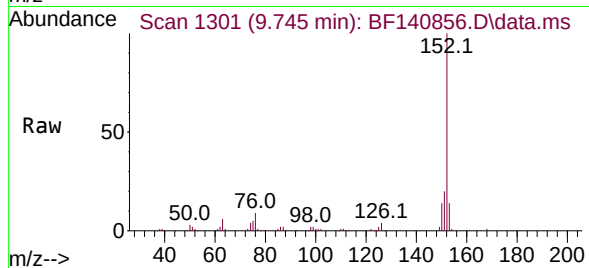
Tgt Ion:152 Resp: 84871

Ion Ratio Lower Upper

152 100

151 19.9 16.0 24.0

153 13.6 10.6 16.0



#50

Dimethylphthalate

Concen: 5.075 ng

RT: 9.598 min Scan# 1276

Delta R.T. -0.006 min

Lab File: BF140856.D

Acq: 16 Dec 2024 12:39

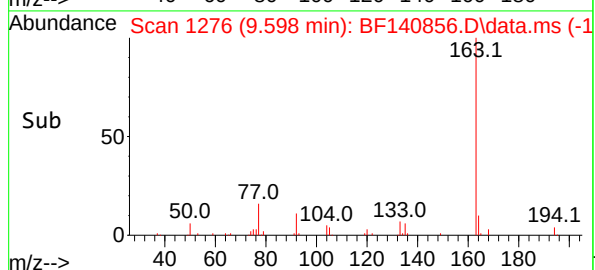
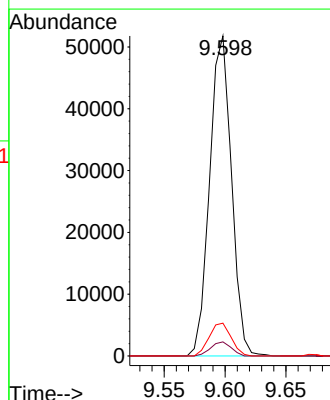
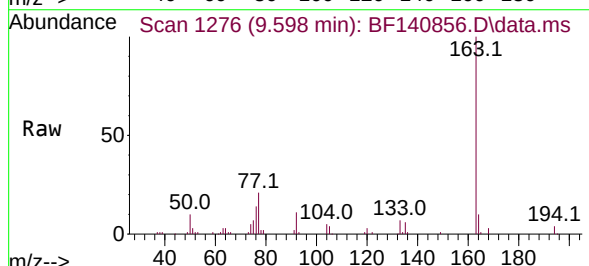
Tgt Ion:163 Resp: 64810

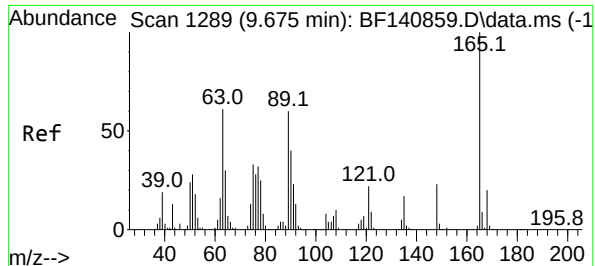
Ion Ratio Lower Upper

163 100

194 4.4 3.1 4.7

164 10.3 8.1 12.1





#51

2,6-Dinitrotoluene

Concen: 4.969 ng

RT: 9.669 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140856.D

Acq: 16 Dec 2024 12:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

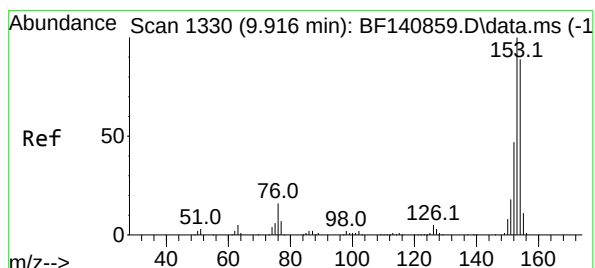
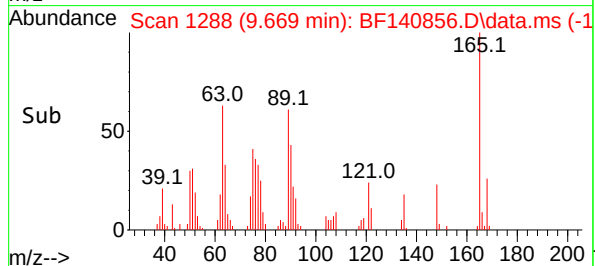
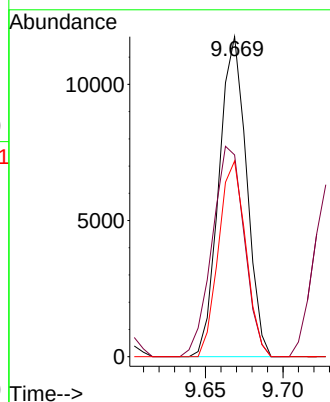
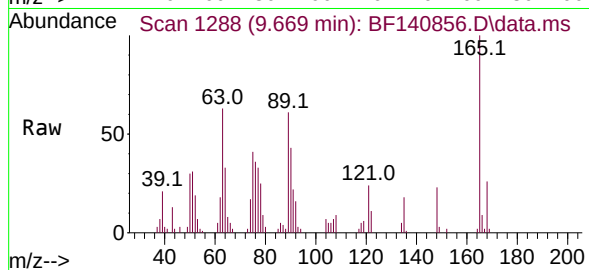
Tgt Ion:165 Resp: 14507

Ion Ratio Lower Upper

165 100

63 63.1 49.7 74.5

89 61.2 48.2 72.4



#52

Acenaphthene

Concen: 5.378 ng

RT: 9.910 min Scan# 1329

Delta R.T. -0.006 min

Lab File: BF140856.D

Acq: 16 Dec 2024 12:39

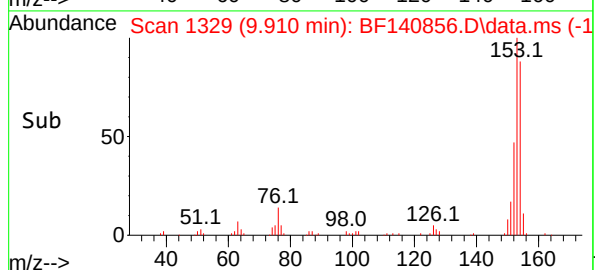
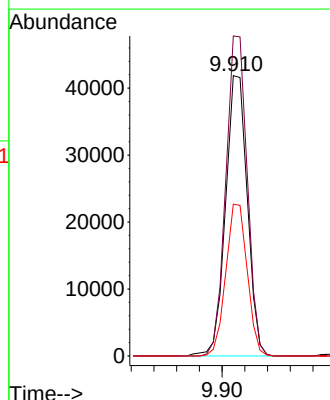
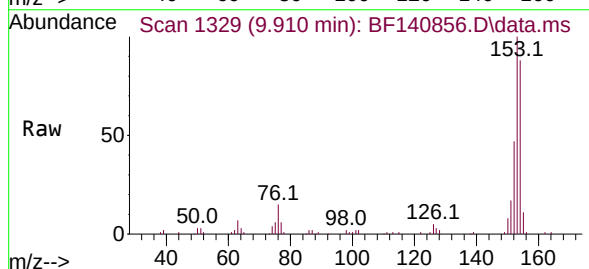
Tgt Ion:154 Resp: 55626

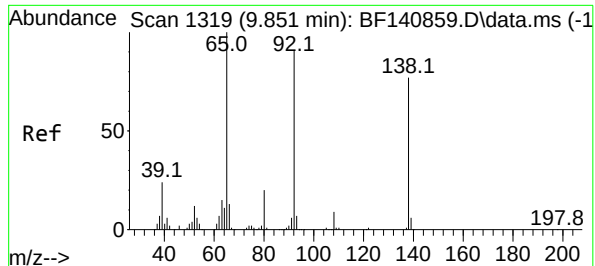
Ion Ratio Lower Upper

154 100

153 114.2 89.9 134.9

152 54.2 42.6 63.8

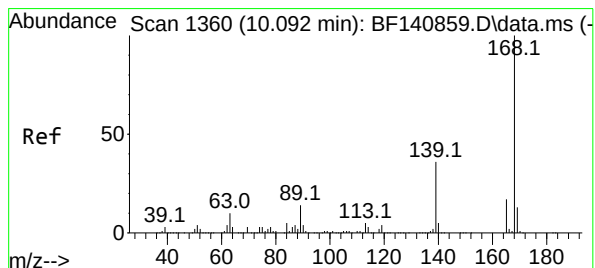
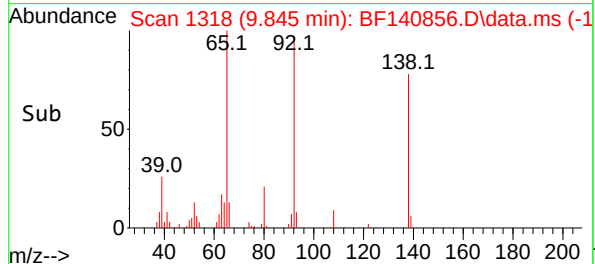
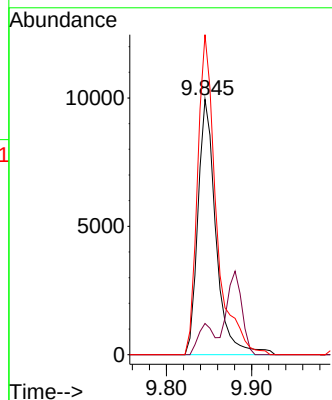
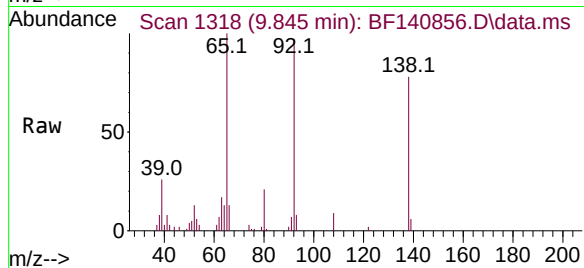




#53
3-Nitroaniline
Concen: 5.034 ng
RT: 9.845 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

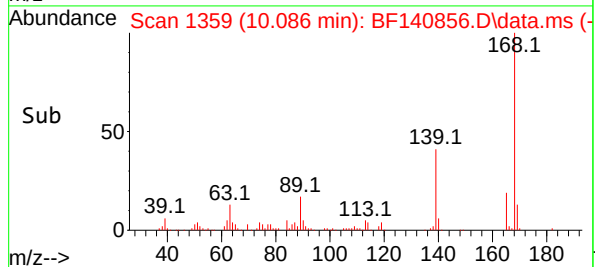
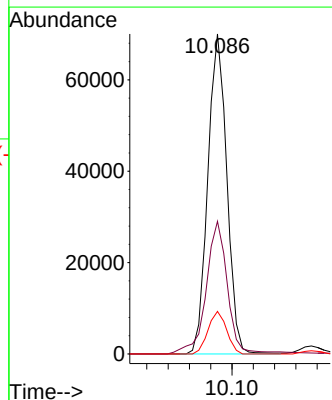
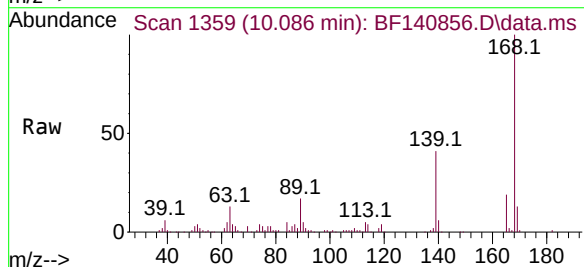
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

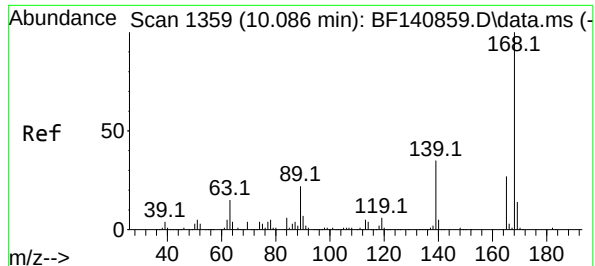
Tgt Ion:138 Resp: 14583
Ion Ratio Lower Upper
138 100
108 12.2 9.0 13.4
92 125.3 95.5 143.3



#55
Dibenzofuran
Concen: 5.426 ng
RT: 10.086 min Scan# 1359
Delta R.T. -0.006 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

Tgt Ion:168 Resp: 86963
Ion Ratio Lower Upper
168 100
139 41.5 31.1 46.7
169 13.3 10.6 16.0

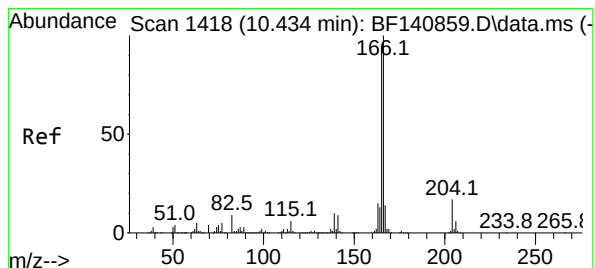
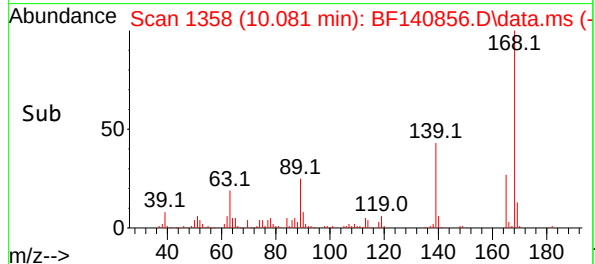
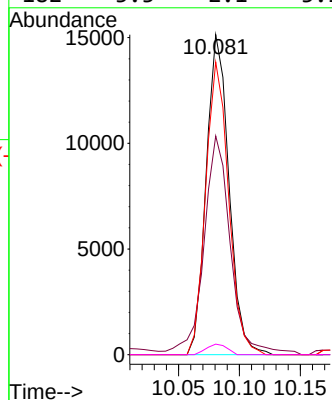
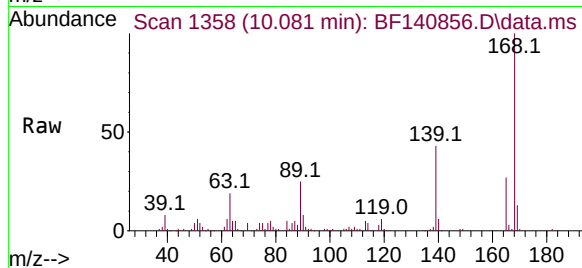




#57
2,4-Dinitrotoluene
Concen: 5.129 ng
RT: 10.081 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

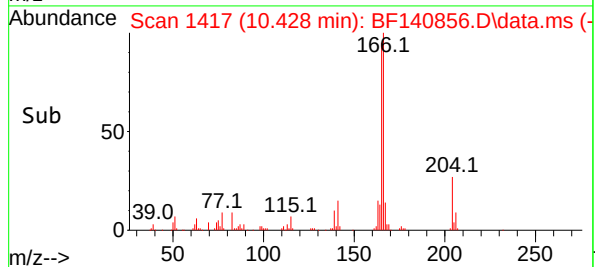
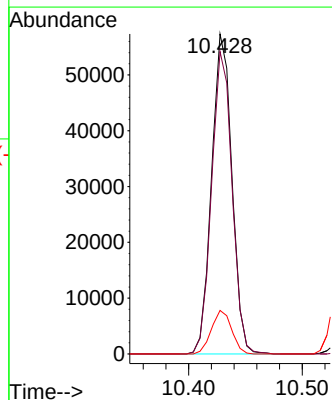
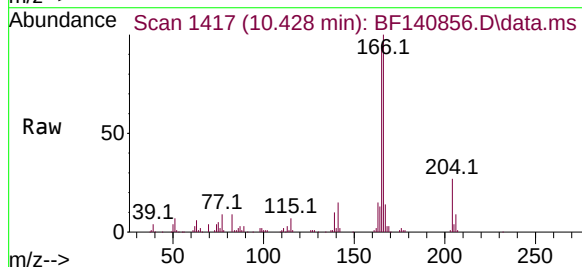
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

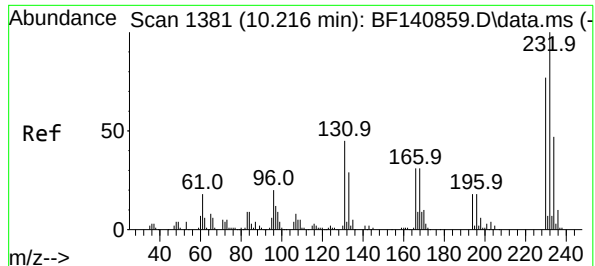
Tgt Ion:165 Resp: 19701
Ion Ratio Lower Upper
165 100
63 68.4 49.3 73.9
89 91.4 66.2 99.4
182 3.3 2.1 3.1#



#58
Fluorene
Concen: 5.388 ng
RT: 10.428 min Scan# 1417
Delta R.T. -0.006 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

Tgt Ion:166 Resp: 71243
Ion Ratio Lower Upper
166 100
165 94.5 75.1 112.7
167 13.6 11.1 16.7

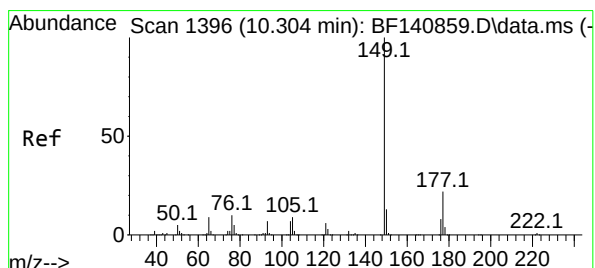
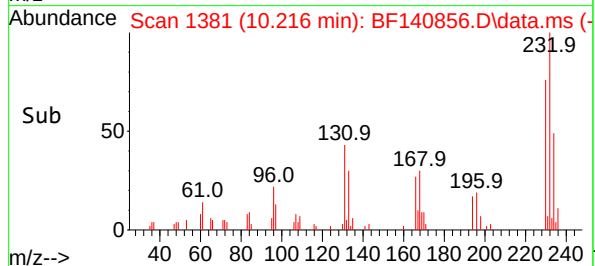
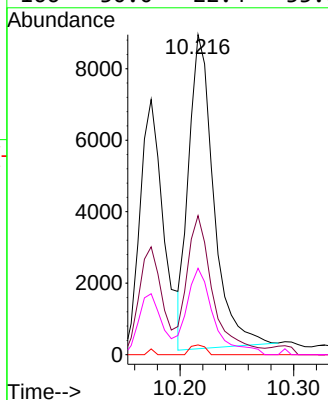
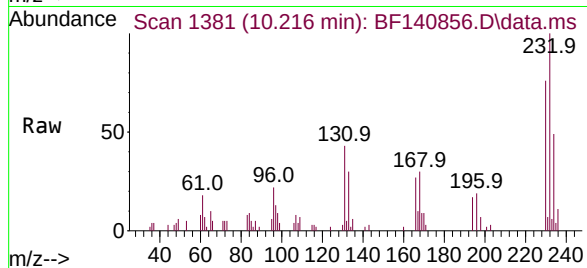




#59
2,3,4,6-Tetrachlorophenol
Concen: 4.400 ng
RT: 10.216 min Scan# 1381
Delta R.T. -0.000 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

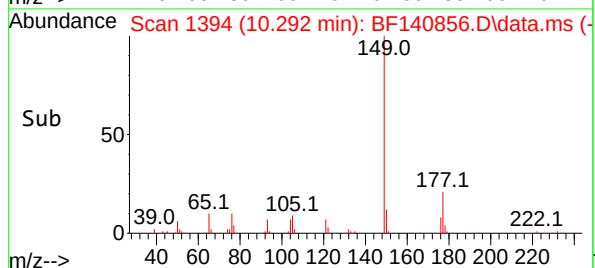
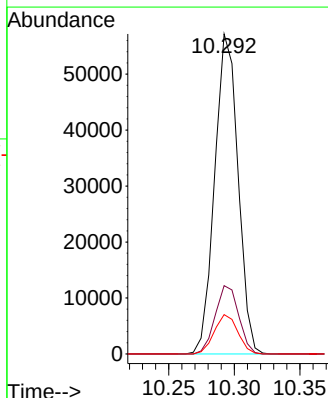
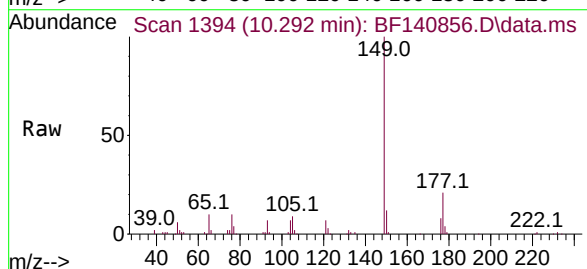
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

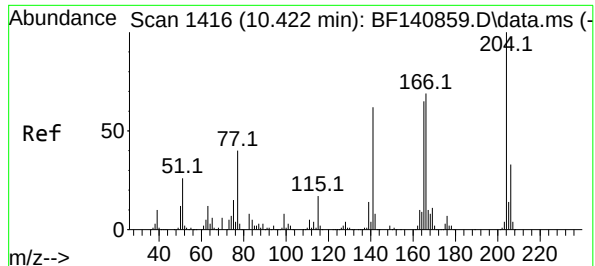
Tgt Ion:232 Resp: 13434
Ion Ratio Lower Upper
232 100
131 47.8 35.1 52.7
130 1.9 1.8 2.8
166 30.0 22.4 33.6



#60
Diethylphthalate
Concen: 5.341 ng
RT: 10.292 min Scan# 1394
Delta R.T. -0.012 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

Tgt Ion:149 Resp: 70725
Ion Ratio Lower Upper
149 100
177 21.3 17.2 25.8
150 12.3 10.1 15.1

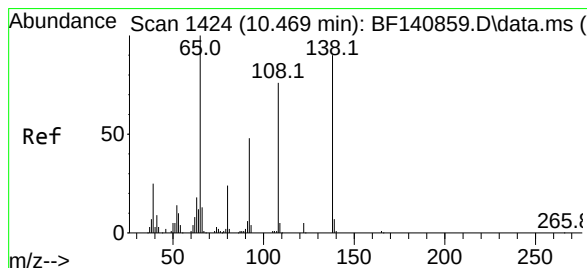
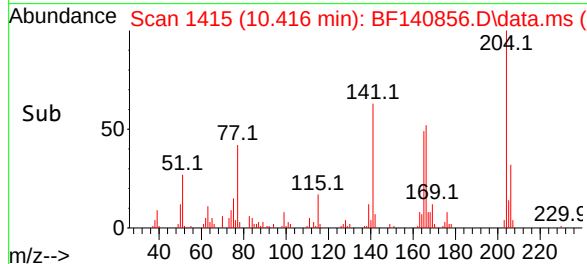
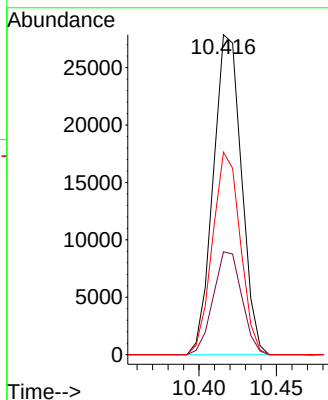
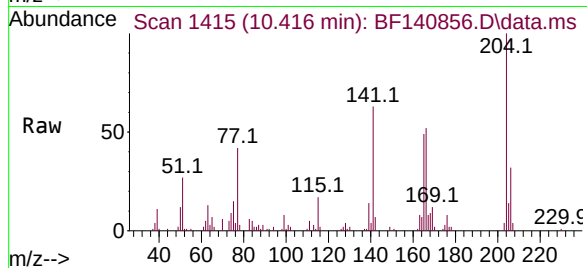




#61
4-Chlorophenyl-phenylether
Concen: 5.315 ng
RT: 10.416 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

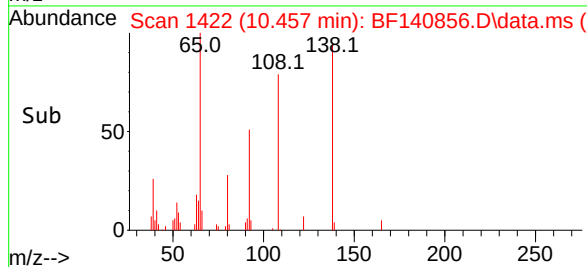
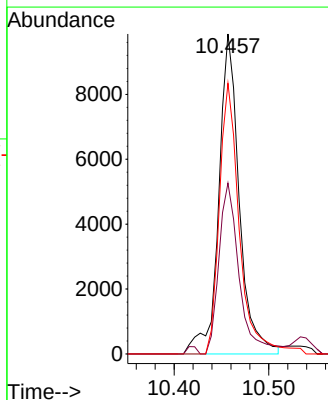
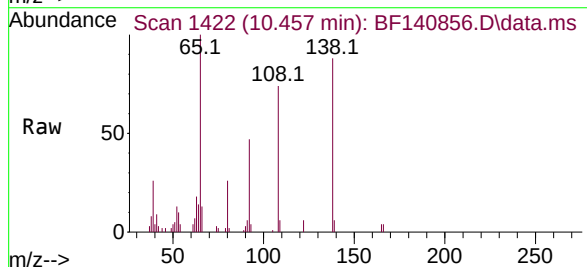
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

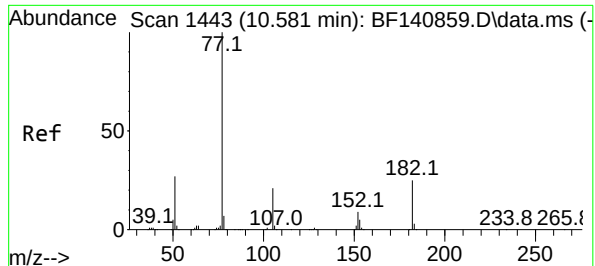
Tgt Ion:	204	Resp:	35304
Ion Ratio	Lower	Upper	
204	100		
206	32.2	26.5	39.7
141	63.3	50.0	75.0



#62
4-Nitroaniline
Concen: 4.916 ng
RT: 10.457 min Scan# 1422
Delta R.T. -0.012 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

Tgt Ion:	138	Resp:	14883
Ion Ratio	Lower	Upper	
138	100		
92	53.4	32.6	72.6
108	84.6	64.1	104.1

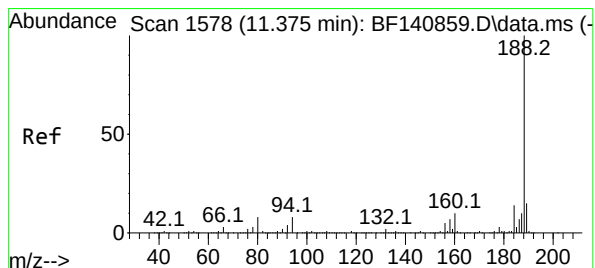
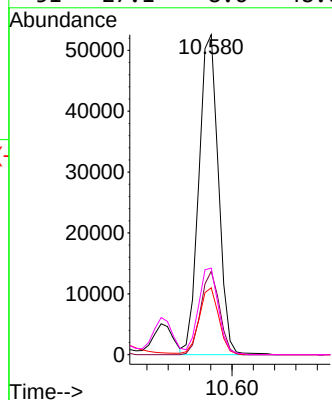
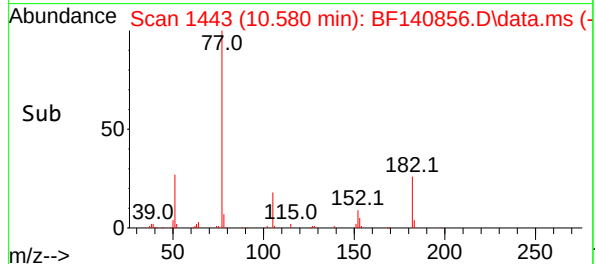
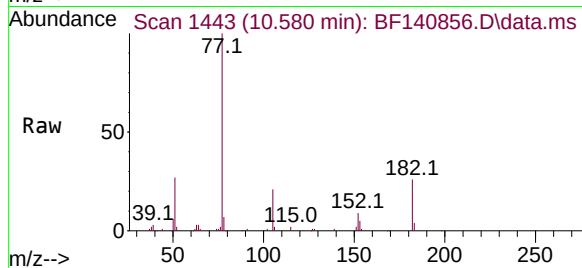




#63
Azobenzene
Concen: 5.391 ng
RT: 10.580 min Scan# 1443
Delta R.T. -0.000 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

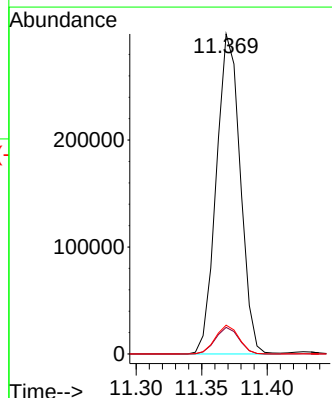
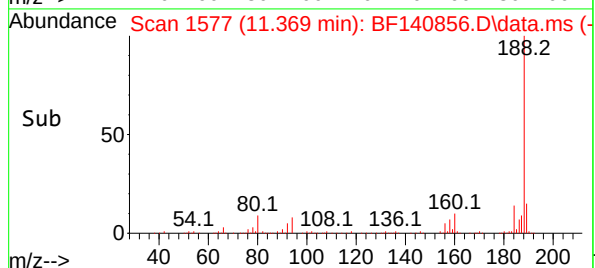
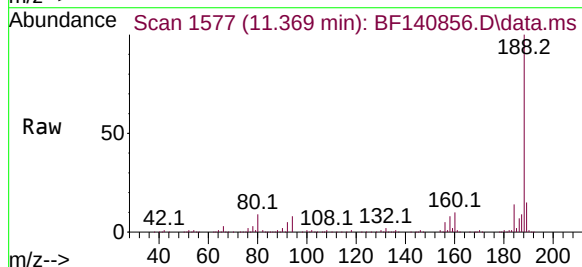
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

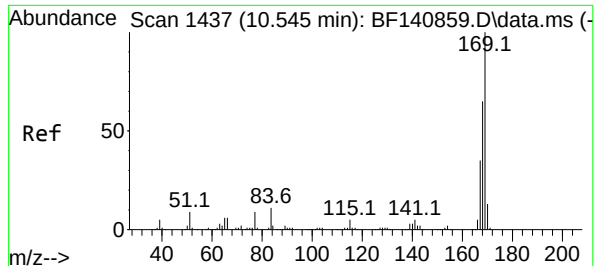
Tgt Ion: 77	Resp: 67111
Ion Ratio	Lower Upper
77 100	
182 26.0	4.5 44.5
105 20.9	0.9 40.9
51 27.1	8.6 48.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

Tgt Ion: 188	Resp: 379227
Ion Ratio	Lower Upper
188 100	
94 8.3	6.4 9.6
80 9.0	6.8 10.2

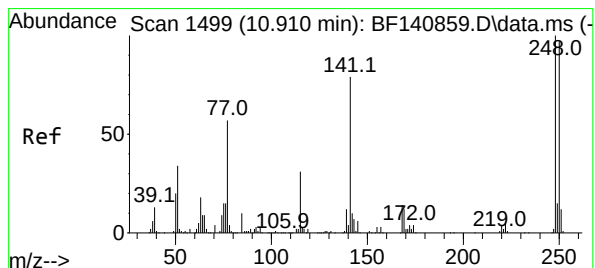
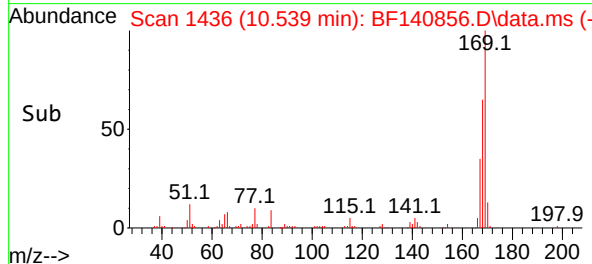
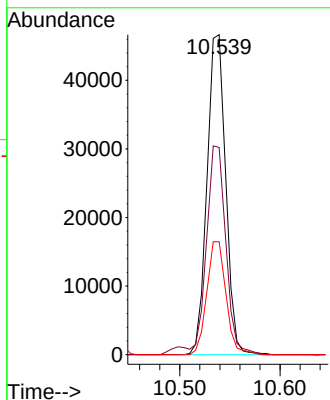
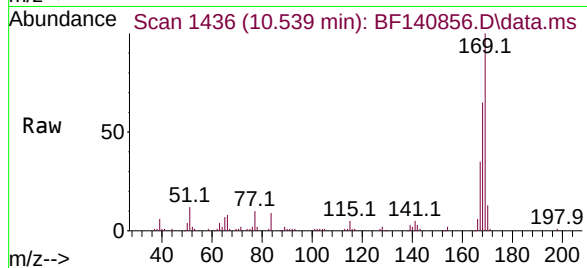




#66
n-Nitrosodiphenylamine
Concen: 5.196 ng
RT: 10.539 min Scan# 1436
Delta R.T. -0.006 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

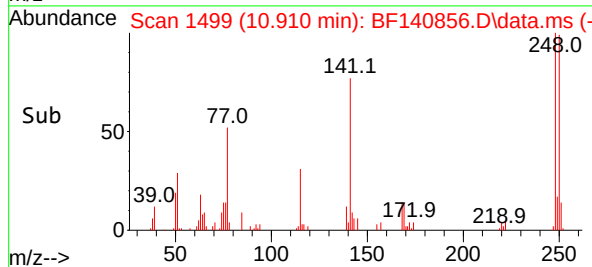
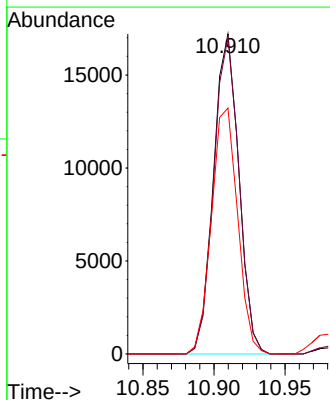
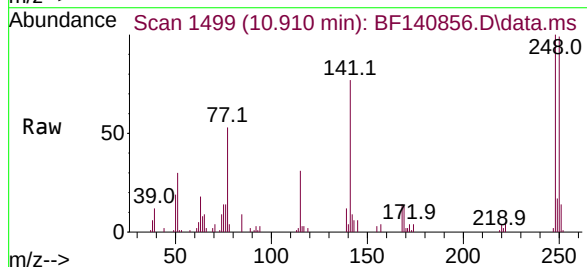
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

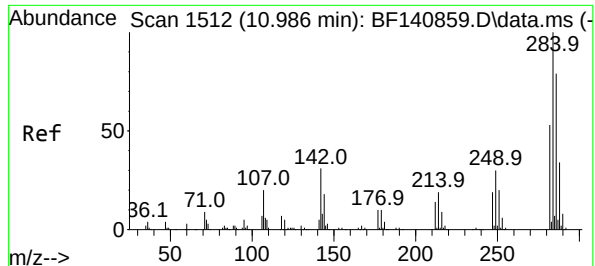
Tgt Ion:169 Resp: 60581
Ion Ratio Lower Upper
169 100
168 64.7 53.4 80.0
167 35.3 28.3 42.5



#67
4-Bromophenyl-phenylether
Concen: 5.028 ng
RT: 10.910 min Scan# 1499
Delta R.T. -0.000 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

Tgt Ion:248 Resp: 21332
Ion Ratio Lower Upper
248 100
250 99.0 77.4 116.2
141 76.9 62.9 94.3

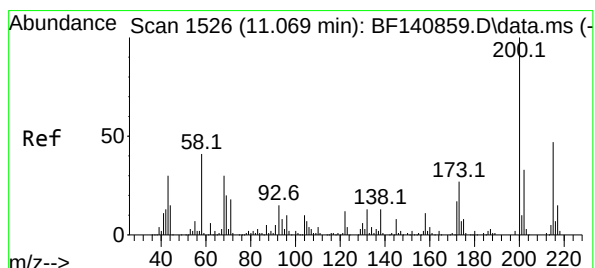
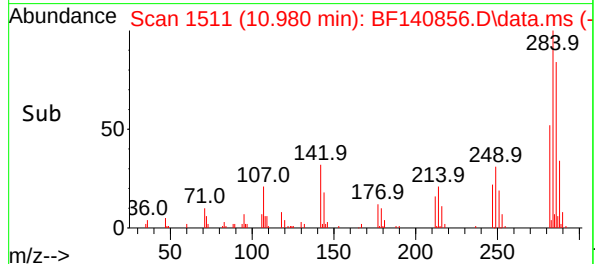
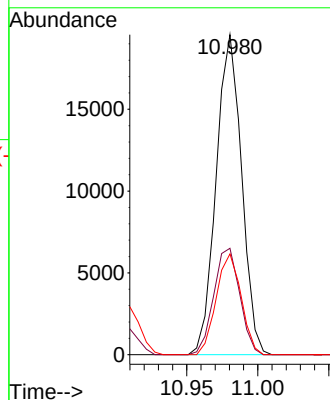
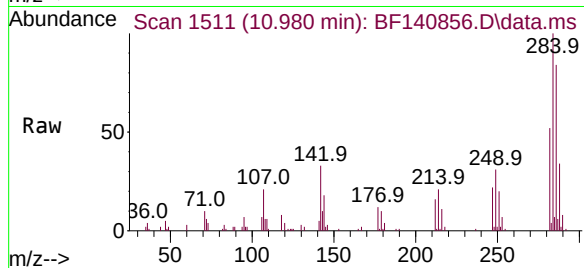




#68
Hexachlorobenzene
Concen: 5.066 ng
RT: 10.980 min Scan# 1511
Delta R.T. -0.006 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

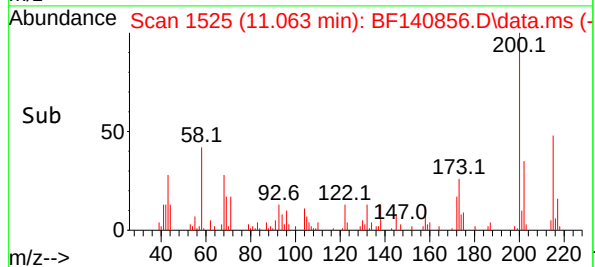
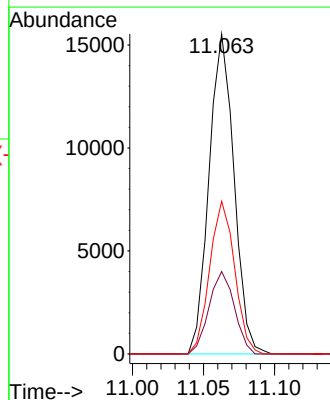
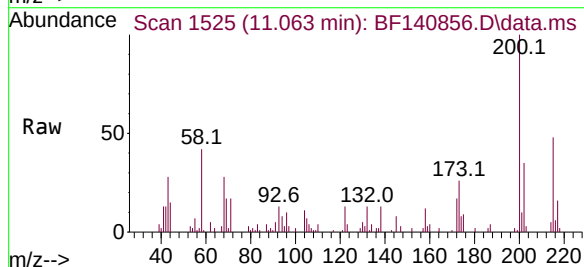
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

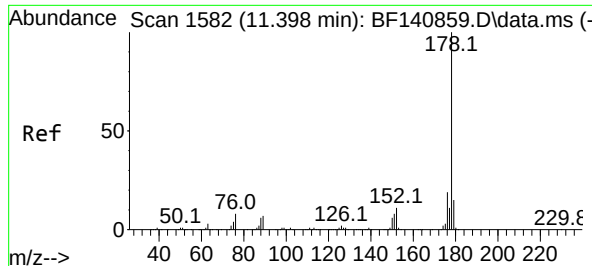
Tgt Ion:284 Resp: 24367
Ion Ratio Lower Upper
284 100
142 33.3 24.6 36.8
249 31.5 24.3 36.5



#69
Atrazine
Concen: 5.817 ng
RT: 11.063 min Scan# 1525
Delta R.T. -0.006 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

Tgt Ion:200 Resp: 18943
Ion Ratio Lower Upper
200 100
173 25.8 6.6 46.6
215 47.7 26.7 66.7

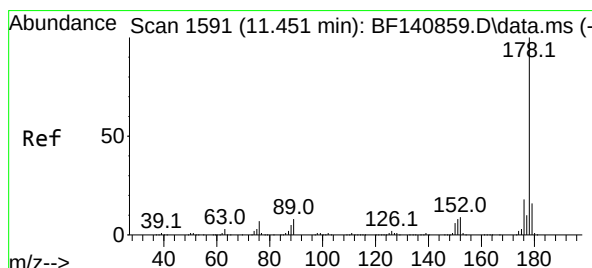
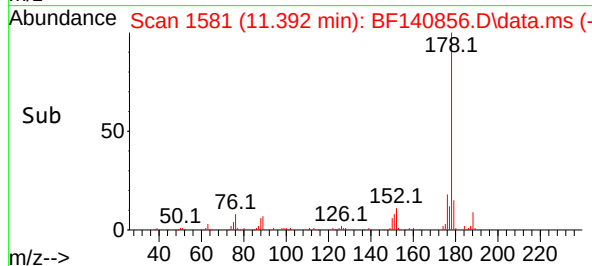
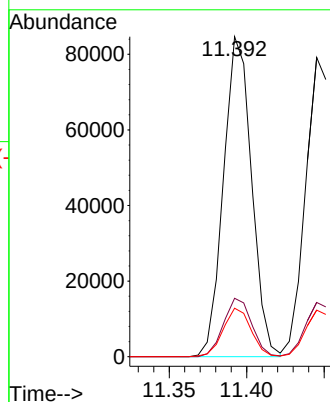
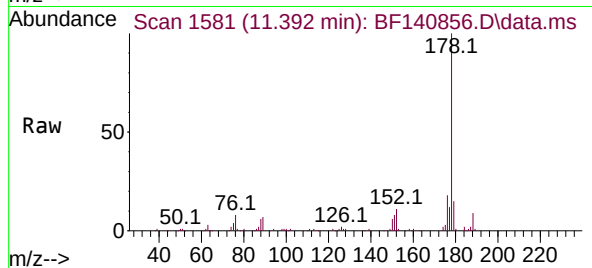




#71
Phenanthrene
Concen: 5.470 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

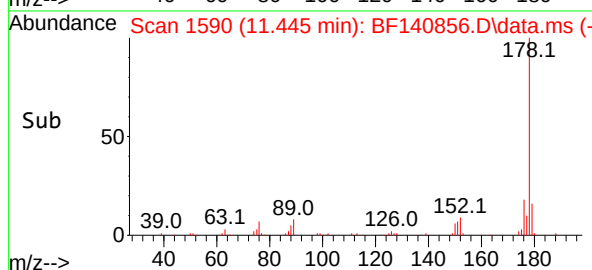
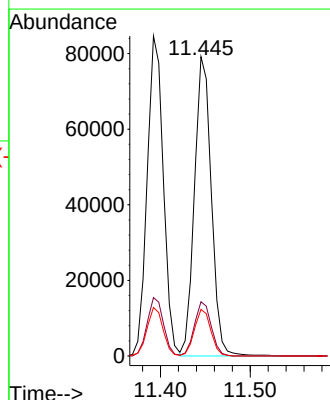
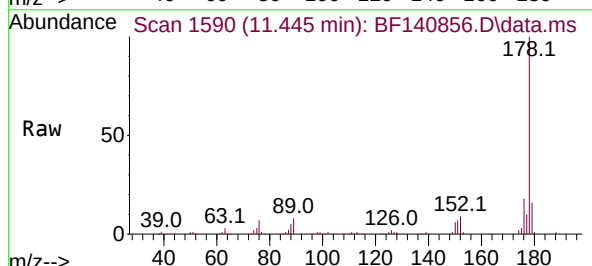
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

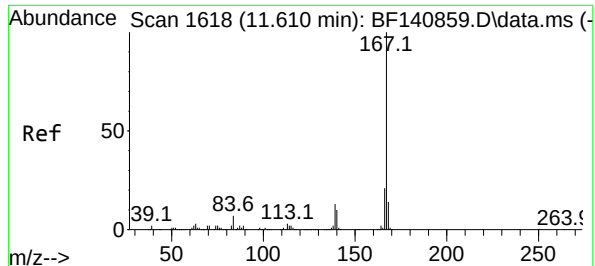
Tgt Ion:178 Resp: 106671
Ion Ratio Lower Upper
178 100
176 18.3 15.4 23.2
179 15.1 12.1 18.1



#72
Anthracene
Concen: 5.385 ng
RT: 11.445 min Scan# 1590
Delta R.T. -0.006 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

Tgt Ion:178 Resp: 103428
Ion Ratio Lower Upper
178 100
176 18.1 14.6 22.0
179 15.6 12.6 18.8

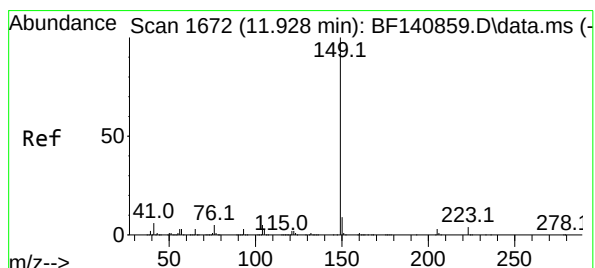
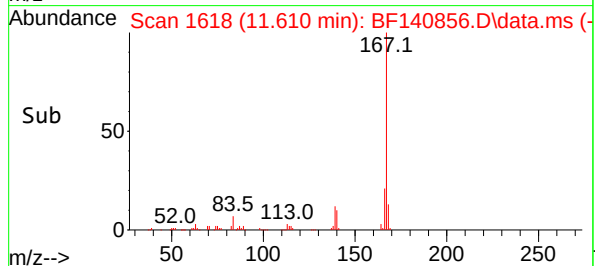
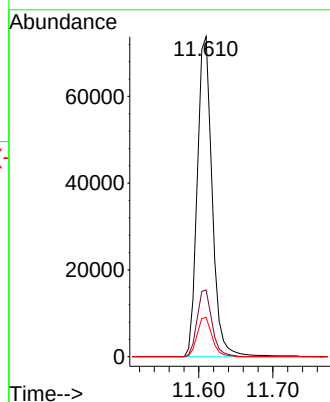
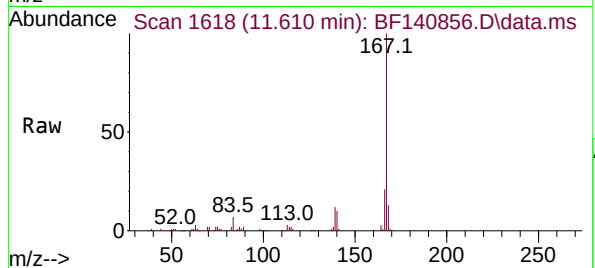




#73
Carbazole
Concen: 5.473 ng
RT: 11.610 min Scan# 1618
Delta R.T. -0.000 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

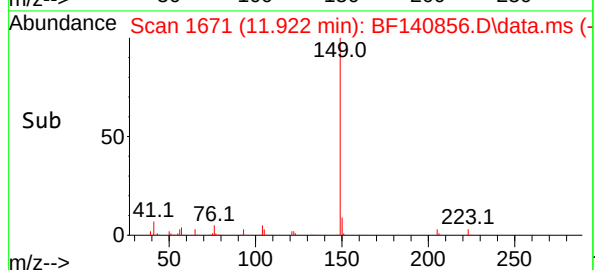
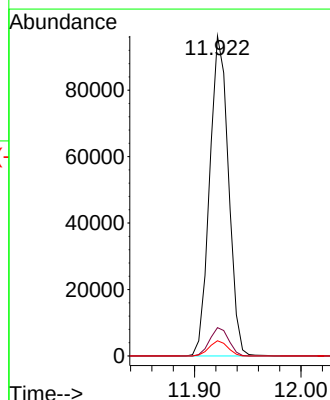
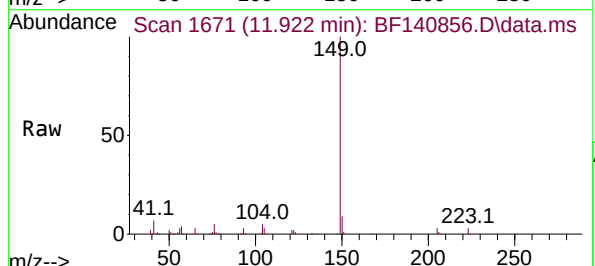
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

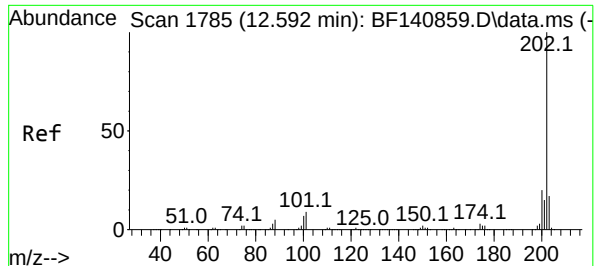
Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.8	17.0	25.6
139	12.3	10.2	15.2



#74
Di-n-butylphthalate
Concen: 5.347 ng
RT: 11.922 min Scan# 1671
Delta R.T. -0.006 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

Tgt Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.5	11.3
104	4.7	3.8	5.8

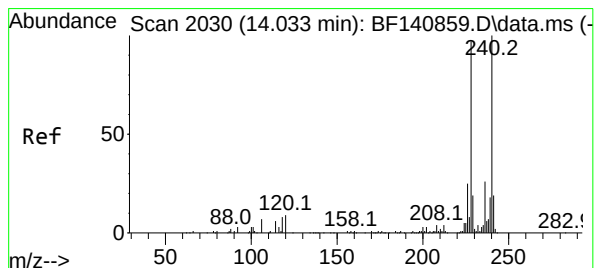
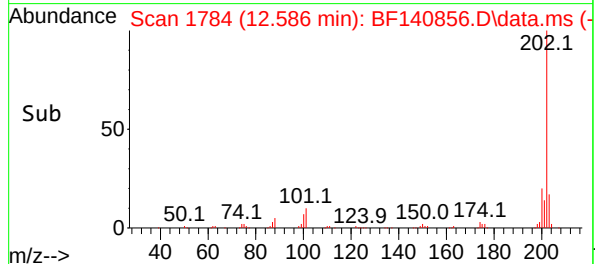
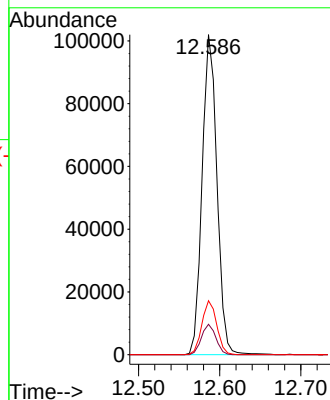
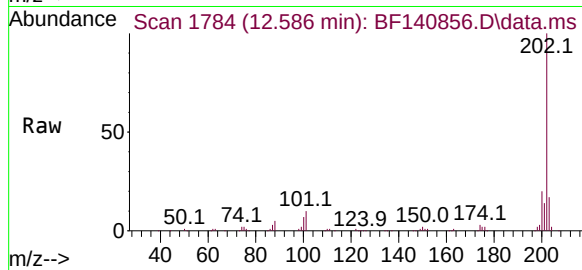




#75
Fluoranthene
Concen: 5.758 ng
RT: 12.586 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

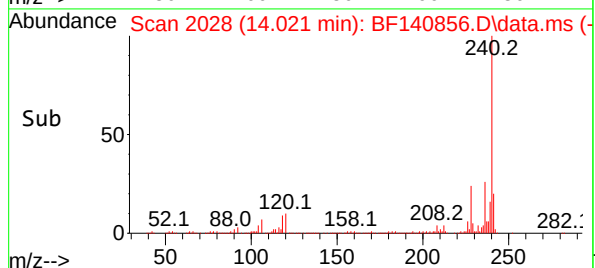
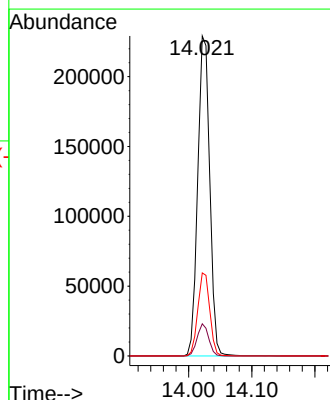
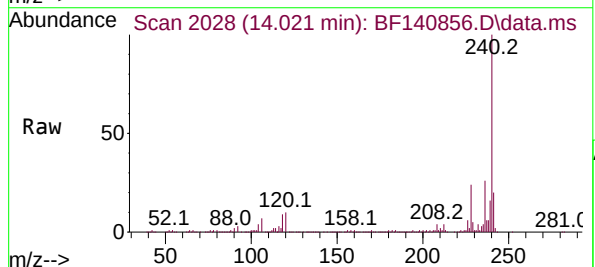
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

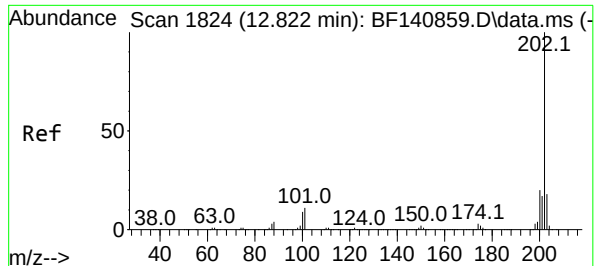
Tgt Ion:202 Resp: 129330
Ion Ratio Lower Upper
202 100
101 9.5 0.0 29.3
203 16.9 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.021 min Scan# 2028
Delta R.T. -0.012 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

Tgt Ion:240 Resp: 302472
Ion Ratio Lower Upper
240 100
120 10.0 7.6 11.4
236 26.0 20.5 30.7





#78

Pyrene

Concen: 5.352 ng

RT: 12.816 min Scan# 1823

Delta R.T. -0.006 min

Lab File: BF140856.D

Acq: 16 Dec 2024 12:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

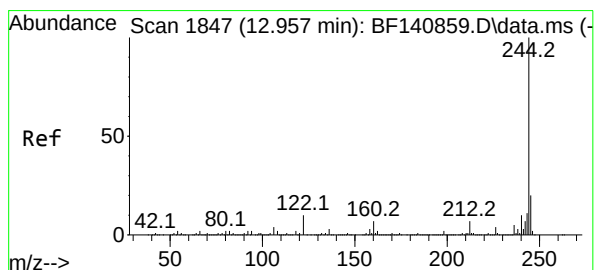
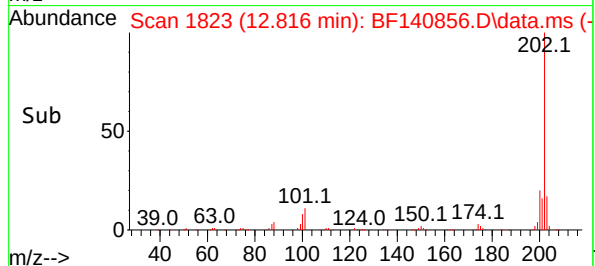
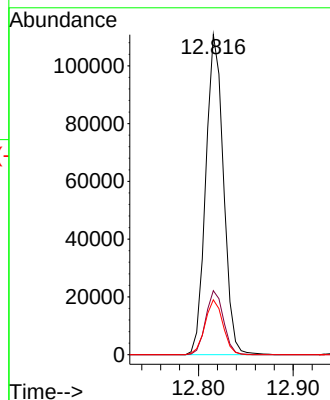
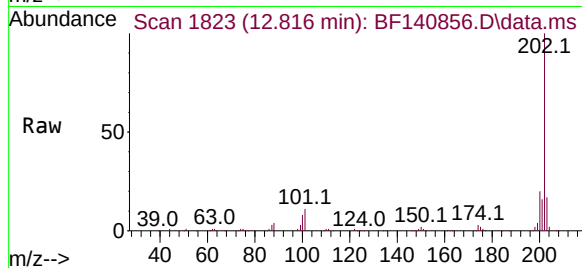
Tgt Ion:202 Resp: 143947

Ion Ratio Lower Upper

202 100

200 20.0 16.1 24.1

203 17.1 14.2 21.4



#79

Terphenyl-d14

Concen: 10.673 ng

RT: 12.951 min Scan# 1846

Delta R.T. -0.006 min

Lab File: BF140856.D

Acq: 16 Dec 2024 12:39

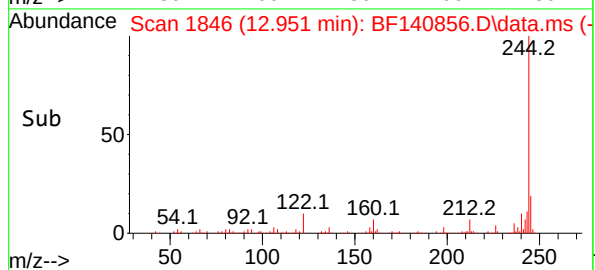
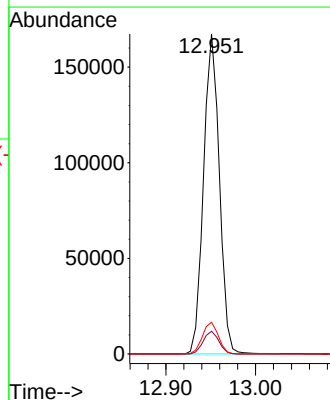
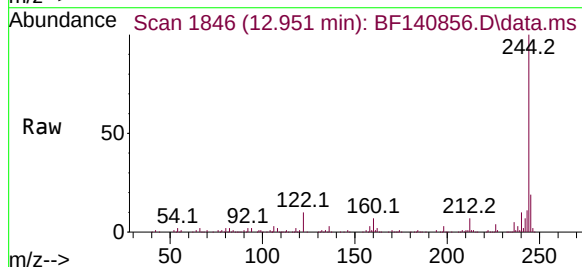
Tgt Ion:244 Resp: 204731

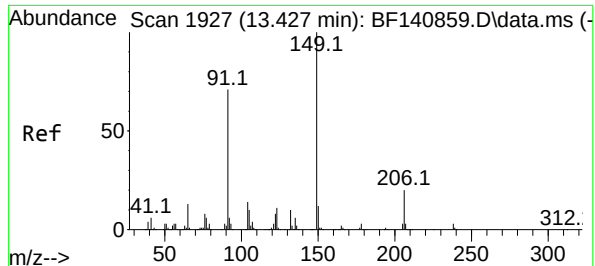
Ion Ratio Lower Upper

244 100

212 7.1 5.6 8.4

122 9.9 8.2 12.2





#80

Butylbenzylphthalate

Concen: 4.965 ng

RT: 13.427 min Scan# 1927

Delta R.T. -0.000 min

Lab File: BF140856.D

Acq: 16 Dec 2024 12:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

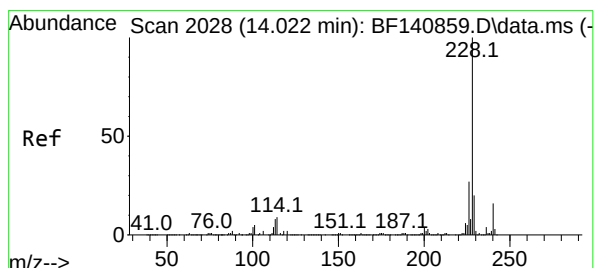
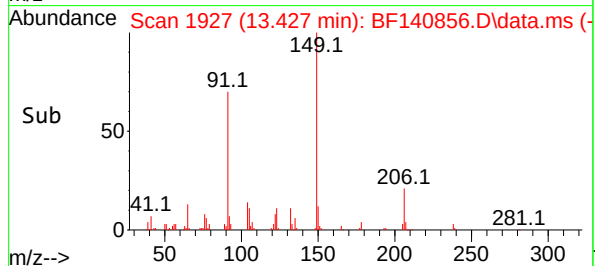
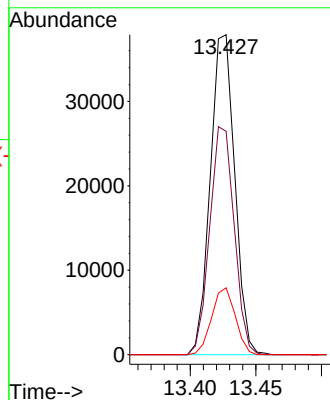
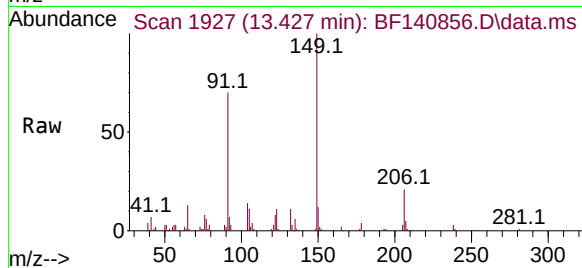
Tgt Ion:149 Resp: 49136

Ion Ratio Lower Upper

149 100

91 69.8 56.7 85.1

206 20.9 16.4 24.6



#81

Benzo(a)anthracene

Concen: 5.270 ng

RT: 14.016 min Scan# 2027

Delta R.T. -0.006 min

Lab File: BF140856.D

Acq: 16 Dec 2024 12:39

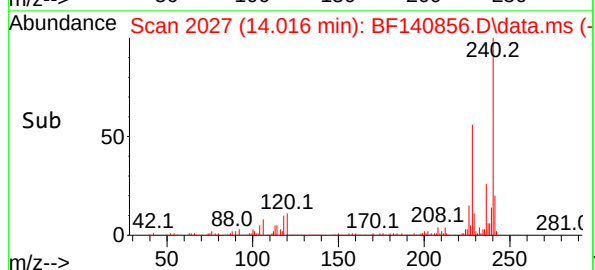
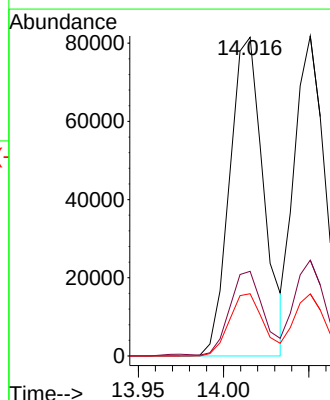
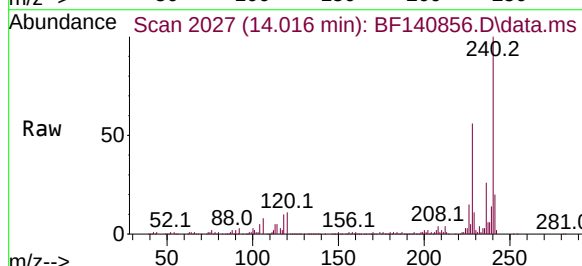
Tgt Ion:228 Resp: 112964

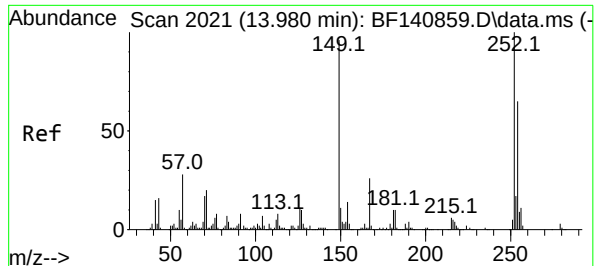
Ion Ratio Lower Upper

228 100

226 26.5 21.8 32.8

229 19.5 15.8 23.8





#82

3,3'-Dichlorobenzidine

Concen: 5.010 ng

RT: 13.974 min Scan# 2021

Delta R.T. -0.006 min

Lab File: BF140856.D

Acq: 16 Dec 2024 12:39

Instrument :

BNA_F

ClientSampleId :

SSTDIC005

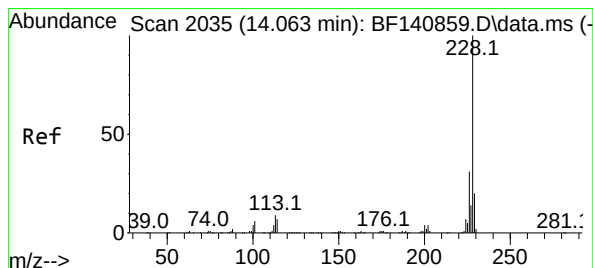
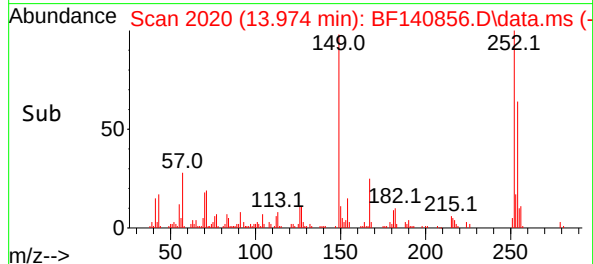
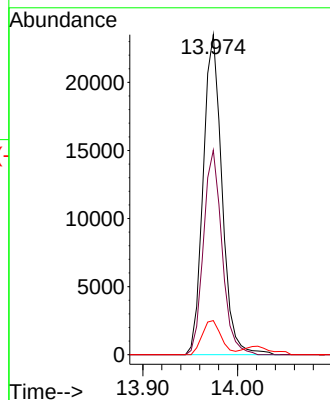
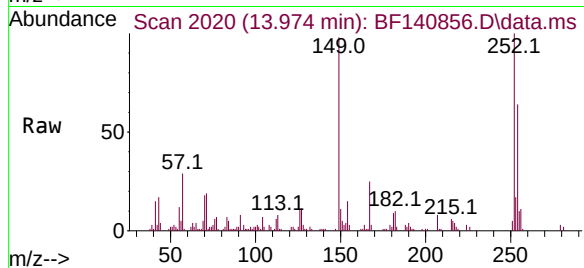
Tgt Ion:252 Resp: 32405

Ion Ratio Lower Upper

252 100

254 63.9 52.3 78.5

126 10.7 8.4 12.6



#83

Chrysene

Concen: 5.280 ng

RT: 14.051 min Scan# 2033

Delta R.T. -0.012 min

Lab File: BF140856.D

Acq: 16 Dec 2024 12:39

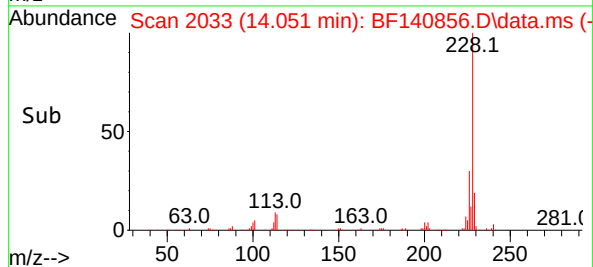
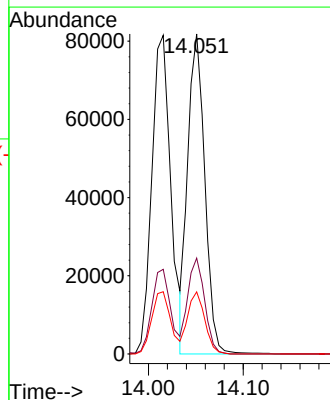
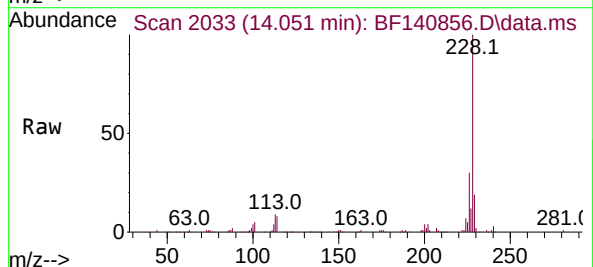
Tgt Ion:228 Resp: 102933

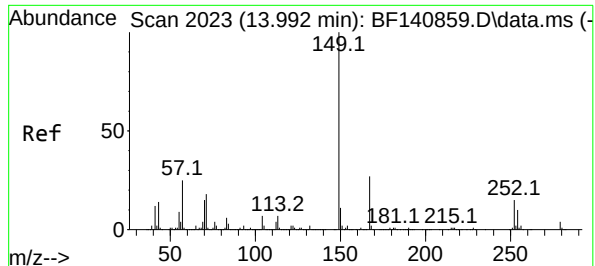
Ion Ratio Lower Upper

228 100

226 30.0 24.1 36.1

229 19.4 16.0 24.0

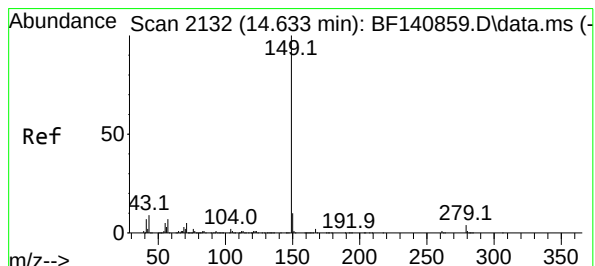
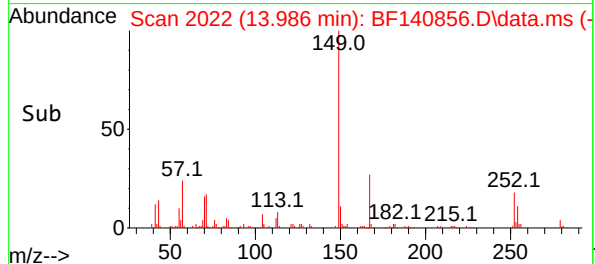
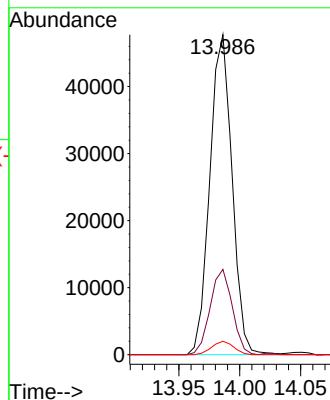
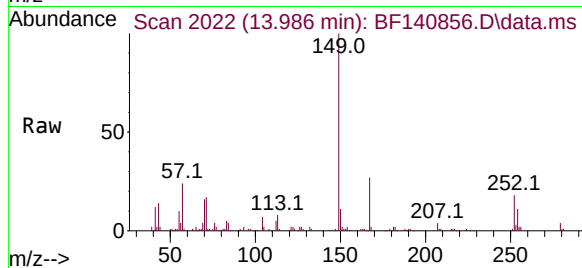




#84
Bis(2-ethylhexyl)phthalate
Concen: 4.764 ng
RT: 13.986 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

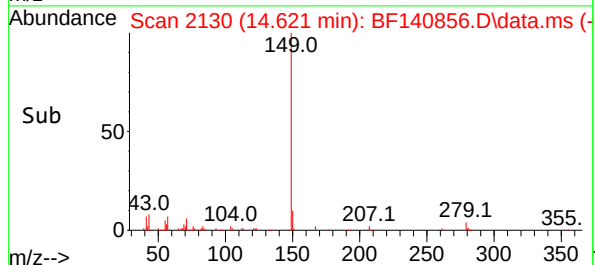
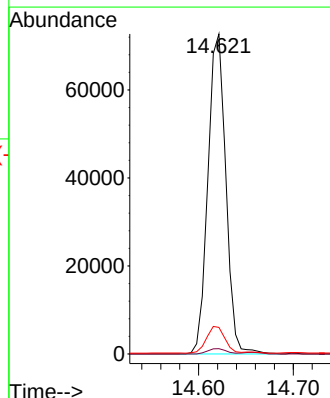
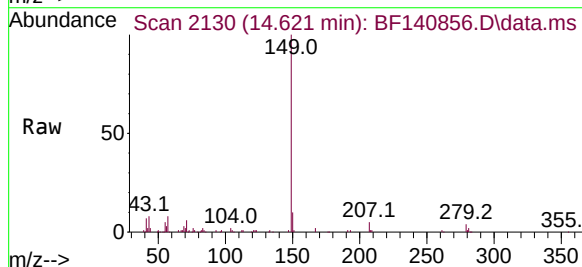
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

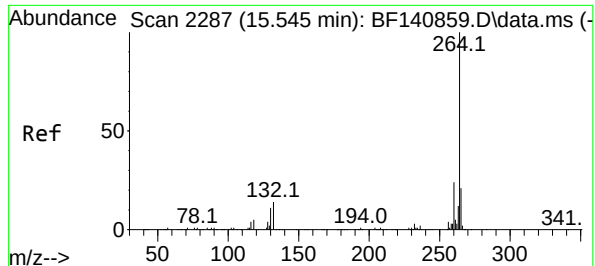
Tgt Ion:149 Resp: 60799
Ion Ratio Lower Upper
149 100
167 26.7 21.8 32.8
279 4.2 3.5 5.3



#85
Di-n-octyl phthalate
Concen: 4.964 ng
RT: 14.621 min Scan# 2130
Delta R.T. -0.012 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

Tgt Ion:149 Resp: 95835
Ion Ratio Lower Upper
149 100
167 1.7 1.3 1.9
43 8.9 7.0 10.6

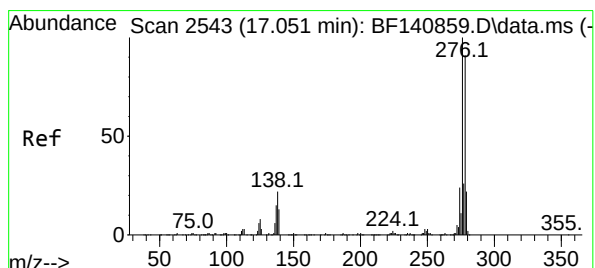
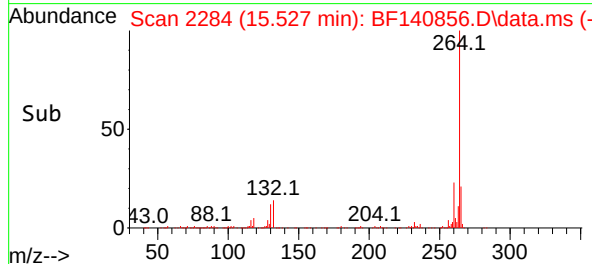
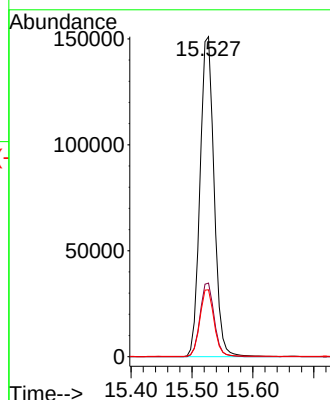
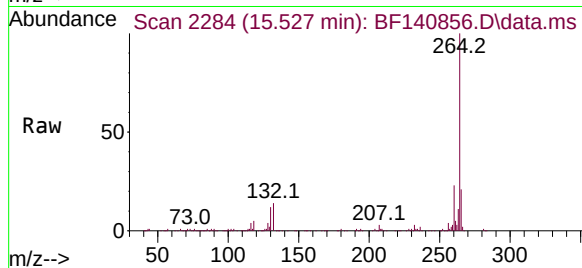




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

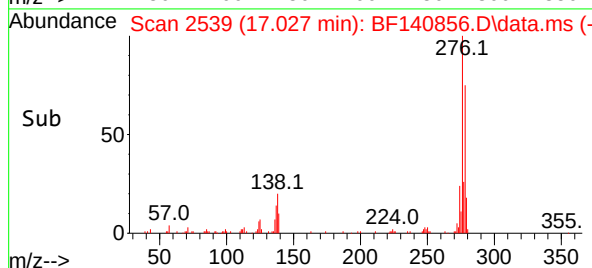
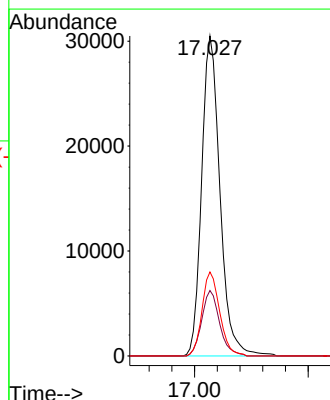
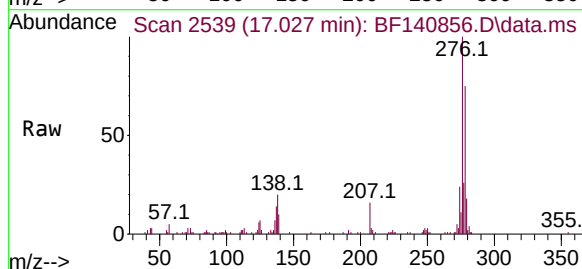
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

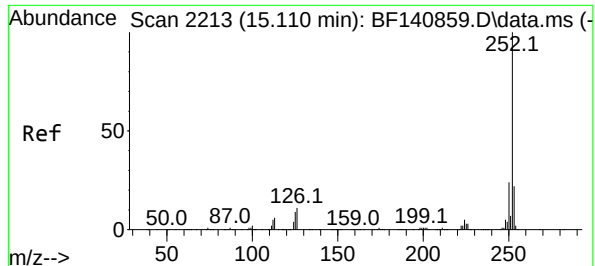
Tgt Ion:264 Resp: 241868
Ion Ratio Lower Upper
264 100
260 23.0 19.1 28.7
265 20.9 17.0 25.4



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.526 ng
RT: 17.027 min Scan# 2539
Delta R.T. -0.024 min
Lab File: BF140856.D
Acq: 16 Dec 2024 12:39

Tgt Ion:276 Resp: 68314
Ion Ratio Lower Upper
276 100
138 19.9 16.9 25.3
277 25.2 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 5.238 ng

RT: 15.092 min Scan# 2110

Delta R.T. -0.018 min

Lab File: BF140856.D

Acq: 16 Dec 2024 12:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

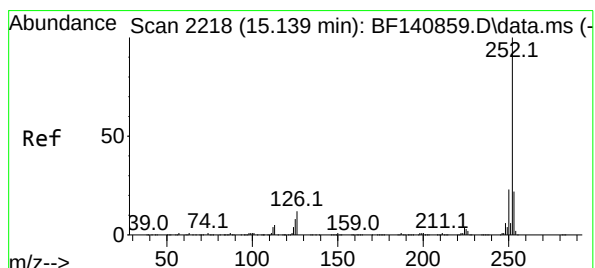
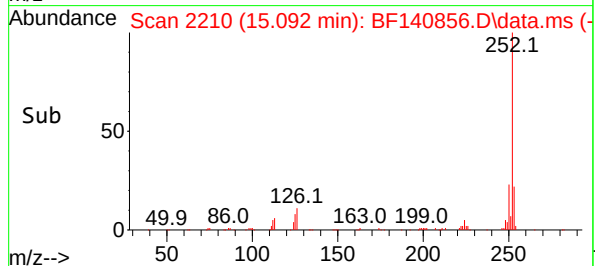
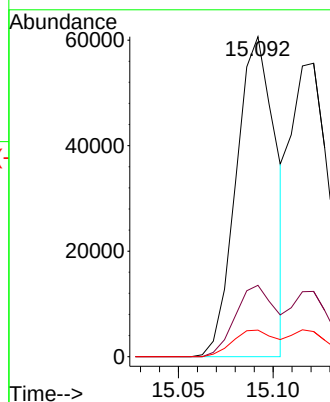
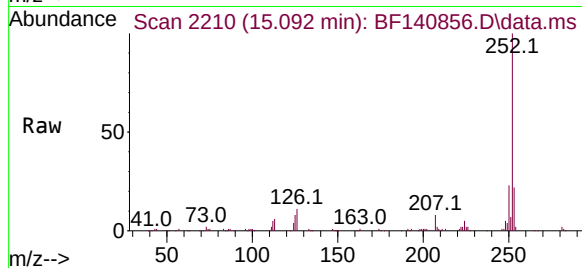
Tgt Ion:252 Resp: 87940

Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.6

125 8.3 7.0 10.4



#89

Benzo(k)fluoranthene

Concen: 5.534 ng

RT: 15.121 min Scan# 2215

Delta R.T. -0.018 min

Lab File: BF140856.D

Acq: 16 Dec 2024 12:39

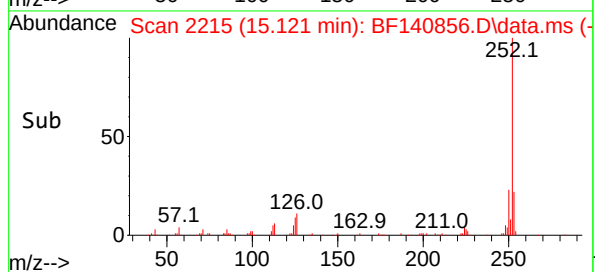
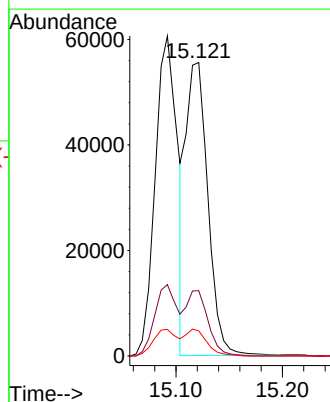
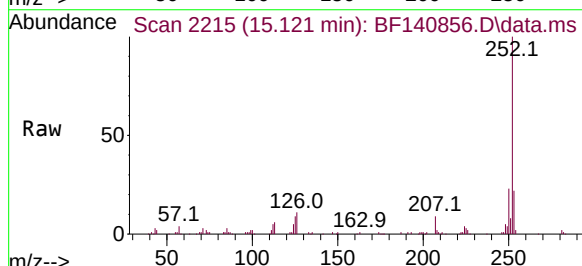
Tgt Ion:252 Resp: 79696

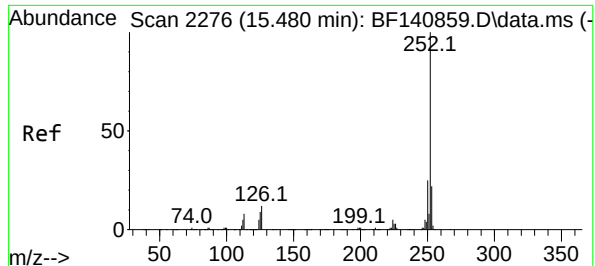
Ion Ratio Lower Upper

252 100

253 22.2 17.5 26.3

125 8.6 6.8 10.2





#90

Benzo(a)pyrene

Concen: 5.057 ng

RT: 15.463 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF140856.D

Acq: 16 Dec 2024 12:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

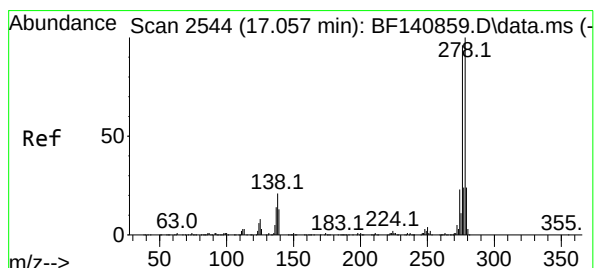
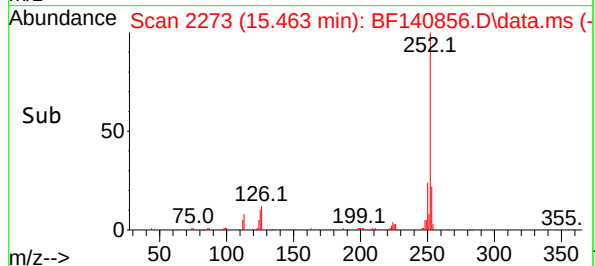
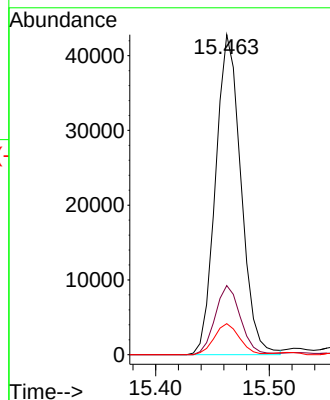
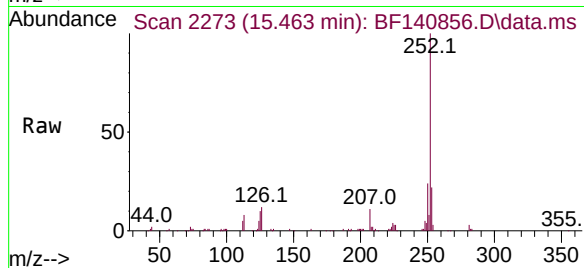
Tgt Ion:252 Resp: 66476

Ion Ratio Lower Upper

252 100

253 21.6 17.5 26.3

125 9.7 7.5 11.3



#91

Dibenzo(a,h)anthracene

Concen: 4.416 ng

RT: 17.033 min Scan# 2540

Delta R.T. -0.024 min

Lab File: BF140856.D

Acq: 16 Dec 2024 12:39

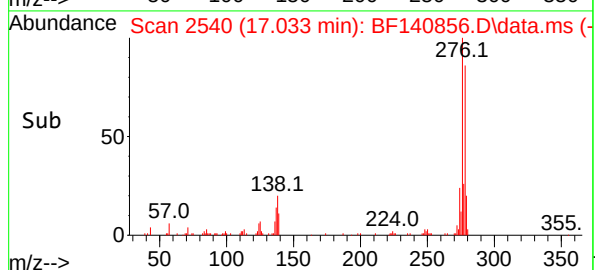
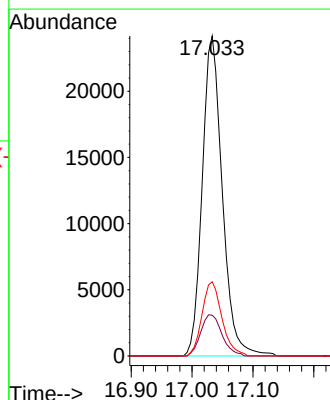
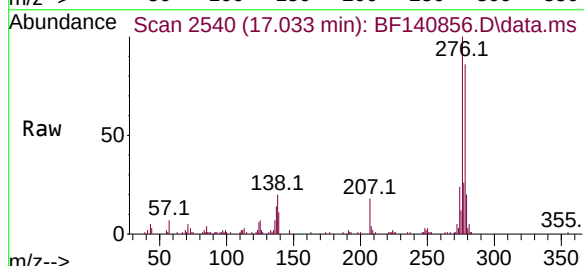
Tgt Ion:278 Resp: 55222

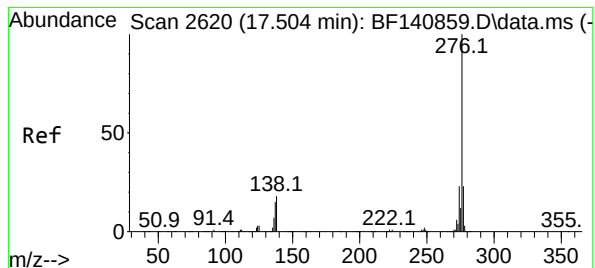
Ion Ratio Lower Upper

278 100

139 12.8 10.6 16.0

279 23.2 19.2 28.8





#92

Benzo(g,h,i)perylene

Concen: 4.567 ng

RT: 17.486 min Scan# 20

Delta R.T. -0.018 min

Lab File: BF140856.D

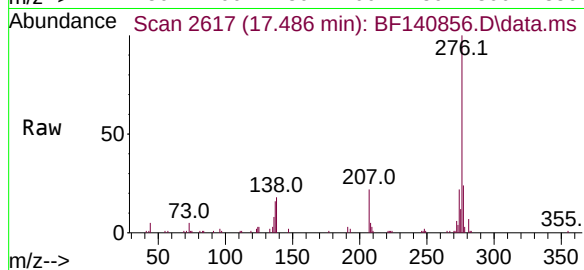
Acq: 16 Dec 2024 12:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC005



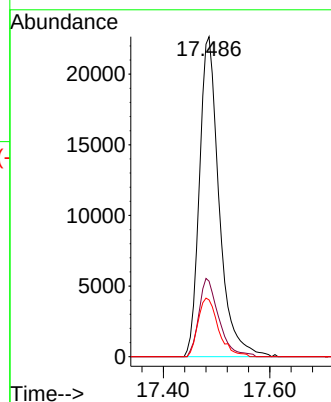
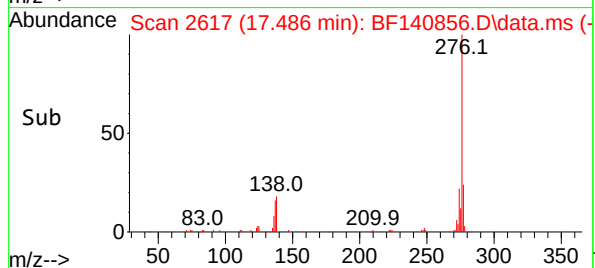
Tgt Ion:276 Resp: 58125

Ion Ratio Lower Upper

276 100

277 23.6 18.7 28.1

138 17.7 14.2 21.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
 Data File : BF140857.D
 Acq On : 16 Dec 2024 13:05
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC010

Quant Time: Dec 16 16:47:38 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 16 16:38:27 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	76578	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	298630	20.000	ng	0.00
39) Acenaphthene-d10	9.880	164	192062	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	358020	20.000	ng	0.00
76) Chrysene-d12	14.027	240	282501	20.000	ng	0.00
86) Perylene-d12	15.533	264	236486	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	94639	20.344	ng	0.00
7) Phenol-d6	6.492	99	127200	20.645	ng	0.00
23) Nitrobenzene-d5	7.410	82	119665	20.048	ng	0.00
42) 2,4,6-Tribromophenol	10.674	330	45327	19.954	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	270749	19.381	ng	0.00
79) Terphenyl-d14	12.951	244	352398	19.670	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.634	88	20526	10.244	ng	95
3) Pyridine	3.428	79	45270	9.756	ng	100
4) n-Nitrosodimethylamine	3.351	42	22689	9.699	ng	99
6) Aniline	6.516	93	55946	10.620	ng	# 80
8) 2-Chlorophenol	6.639	128	52812	10.411	ng	97
9) Benzaldehyde	6.404	77	40257	11.792	ng	97
10) Phenol	6.510	94	64718	10.135	ng	91
11) bis(2-Chloroethyl)ether	6.581	93	47546	9.984	ng	97
12) 1,3-Dichlorobenzene	6.786	146	58952	10.199	ng	98
13) 1,4-Dichlorobenzene	6.863	146	61319	10.451	ng	98
14) 1,2-Dichlorobenzene	7.016	146	57259	10.343	ng	97
15) Benzyl Alcohol	6.998	79	43771	9.936	ng	95
16) 2,2'-oxybis(1-Chloropr...	7.122	45	57243	10.204	ng	94
17) 2-Methylphenol	7.110	107	42307	10.446	ng	97
18) Hexachloroethane	7.351	117	22224	10.174	ng	96
19) n-Nitroso-di-n-propyla...	7.251	70	38459	10.406	ng	99
20) 3+4-Methylphenols	7.269	107	57077	10.628	ng	# 84
22) Acetophenone	7.257	105	75049	10.046	ng	96
24) Nitrobenzene	7.428	77	61294	10.024	ng	100
25) Isophorone	7.669	82	100405	10.039	ng	99
26) 2-Nitrophenol	7.751	139	27623	9.808	ng	97
27) 2,4-Dimethylphenol	7.786	122	32852	9.988	ng	94
28) bis(2-Chloroethoxy)met...	7.875	93	61752	9.886	ng	98
29) 2,4-Dichlorophenol	8.004	162	46274	10.191	ng	98
30) 1,2,4-Trichlorobenzene	8.069	180	52790	10.141	ng	99
31) Naphthalene	8.145	128	168002	10.241	ng	99
32) Benzoic acid	7.898	122	25770	8.261	ng	98
33) 4-Chloroaniline	8.204	127	55948	10.269	ng	98
34) Hexachlorobutadiene	8.257	225	35099	10.022	ng	97
35) Caprolactam	8.557	113	13417	9.925	ng	98
36) 4-Chloro-3-methylphenol	8.692	107	51876	10.150	ng	97
37) 2-Methylnaphthalene	8.839	142	109525	10.093	ng	99
38) 1-Methylnaphthalene	8.939	142	110917	10.335	ng	99
40) 1,2,4,5-Tetrachloroben...	9.004	216	55018	9.320	ng	99
41) Hexachlorocyclopentadiene	8.986	237	8781	8.866	ng	99
43) 2,4,6-Trichlorophenol	9.127	196	32555	9.006	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
 Data File : BF140857.D
 Acq On : 16 Dec 2024 13:05
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC010

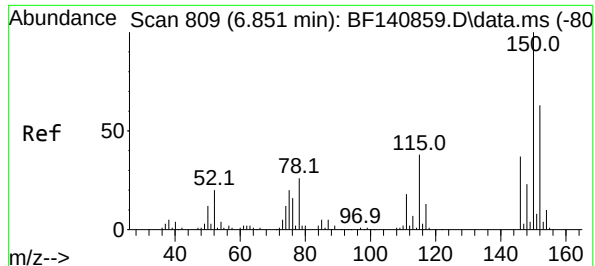
Quant Time: Dec 16 16:47:38 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 16 16:38:27 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.180	196	35030	8.817	ng	99
46) 1,1'-Biphenyl	9.298	154	145227	9.509	ng	99
47) 2-Chloronaphthalene	9.327	162	111077	9.507	ng	99
48) 2-Nitroaniline	9.433	65	33225	9.416	ng	98
49) Acenaphthylene	9.739	152	174905	10.187	ng	98
50) Dimethylphthalate	9.598	163	131257	9.693	ng	99
51) 2,6-Dinitrotoluene	9.669	165	30431	9.831	ng	97
52) Acenaphthene	9.916	154	114273	10.419	ng	99
53) 3-Nitroaniline	9.845	138	30367	9.885	ng	100
54) 2,4-Dinitrophenol	9.986	184	8488	11.701	ng	95
55) Dibenzofuran	10.086	168	180108	10.598	ng	99
56) 4-Nitrophenol	10.051	139	8781m	9.461	ng	
57) 2,4-Dinitrotoluene	10.080	165	42109	10.339	ng	99
58) Fluorene	10.427	166	146155	10.424	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.216	232	29950	9.251	ng	94
60) Diethylphthalate	10.292	149	142484	10.147	ng	100
61) 4-Chlorophenyl-phenyle...	10.416	204	72010	10.224	ng	99
62) 4-Nitroaniline	10.457	138	31962	9.956	ng	98
63) Azobenzene	10.580	77	135524	10.267	ng	98
65) 4,6-Dinitro-2-methylph...	10.498	198	17756	8.752	ng	97
66) n-Nitrosodiphenylamine	10.539	169	121500	11.038	ng	100
67) 4-Bromophenyl-phenylether	10.910	248	44385	11.082	ng	98
68) Hexachlorobenzene	10.980	284	50135	11.040	ng	99
69) Atrazine	11.063	200	36472	11.864	ng	100
70) Pentachlorophenol	11.192	266	11171m	6.725	ng	
71) Phenanthrene	11.392	178	193504	10.510	ng	99
72) Anthracene	11.445	178	190407	10.502	ng	99
73) Carbazole	11.604	167	182199	10.259	ng	100
74) Di-n-butylphthalate	11.921	149	215903	10.359	ng	99
75) Fluoranthene	12.586	202	231038	10.896	ng	100
77) Benzidine	12.716	184	45074	7.818	ng	99
78) Pyrene	12.815	202	242761	9.663	ng	99
80) Butylbenzylphthalate	13.427	149	86987	9.411	ng	98
81) Benzo(a)anthracene	14.015	228	208127	10.395	ng	99
82) 3,3'-Dichlorobenzidine	13.974	252	60368	9.994	ng	98
83) Chrysene	14.057	228	181387	9.963	ng	99
84) Bis(2-ethylhexyl)phtha...	13.992	149	113963	9.562	ng	100
85) Di-n-octyl phthalate	14.627	149	165198	9.161	ng	99
87) Indeno(1,2,3-cd)pyrene	17.033	276	138792	9.405	ng	99
88) Benzo(b)fluoranthene	15.104	252	173313	10.558	ng	99
89) Benzo(k)fluoranthene	15.127	252	147840	10.499	ng	99
90) Benzo(a)pyrene	15.474	252	128194	9.973	ng	99
91) Dibenzo(a,h)anthracene	17.039	278	116533	9.532	ng	99
92) Benzo(g,h,i)perylene	17.492	276	114976	9.240	ng	99

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

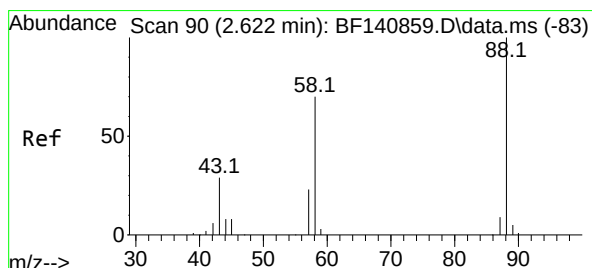
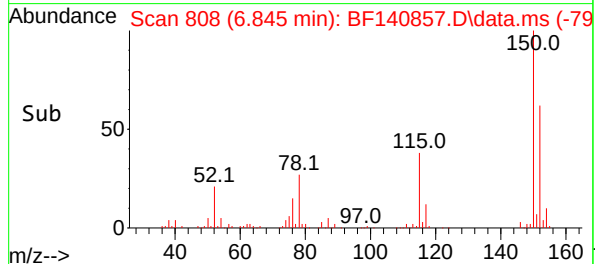
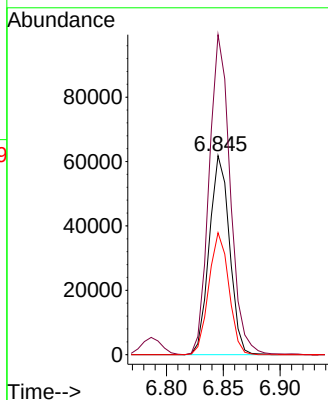
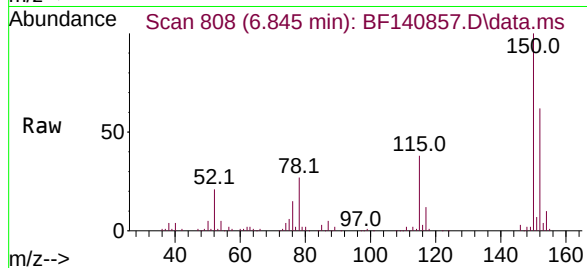
[illegible]



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

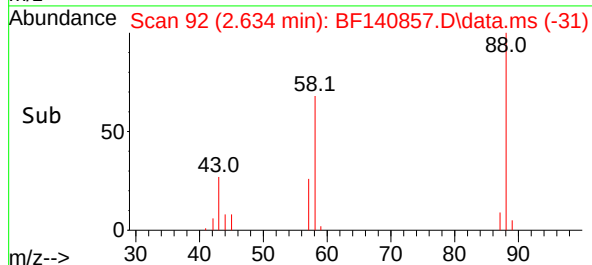
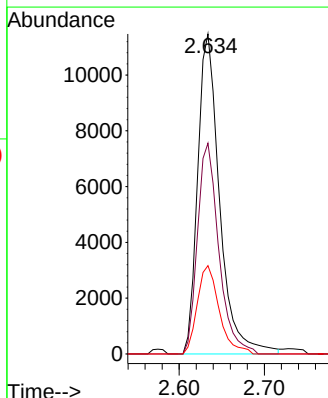
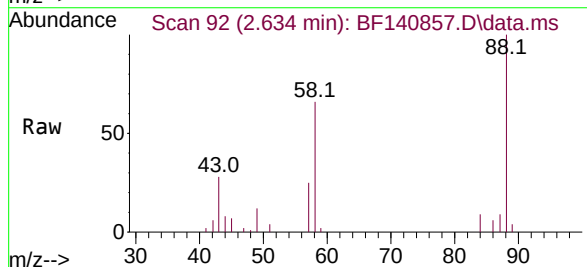
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

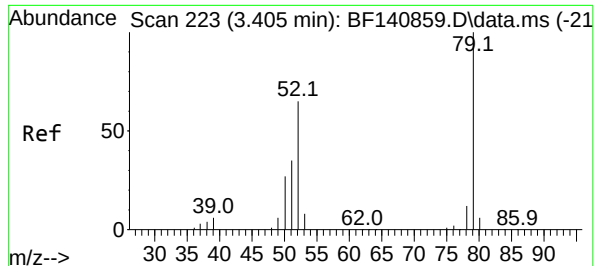
Tgt Ion:152 Resp: 76578
Ion Ratio Lower Upper
152 100
150 160.8 127.9 191.9
115 61.3 48.0 72.0



#2
1,4-Dioxane
Concen: 10.244 ng
RT: 2.634 min Scan# 92
Delta R.T. 0.012 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion: 88 Resp: 20526
Ion Ratio Lower Upper
88 100
58 64.0 55.8 83.8
43 27.6 22.7 34.1





#3

Pyridine

Concen: 9.756 ng

RT: 3.428 min Scan# 21

Delta R.T. 0.023 min

Lab File: BF140857.D

Acq: 16 Dec 2024 13:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

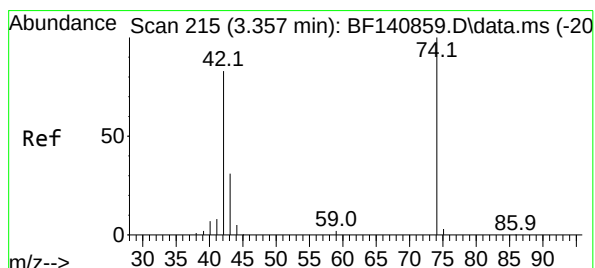
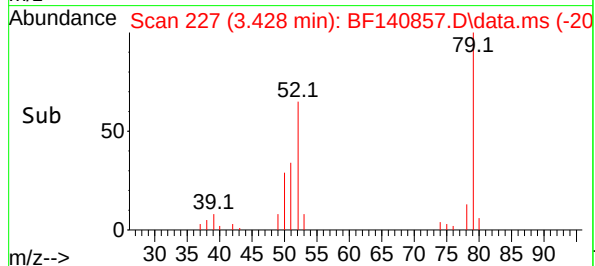
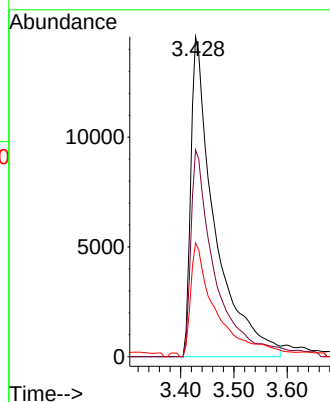
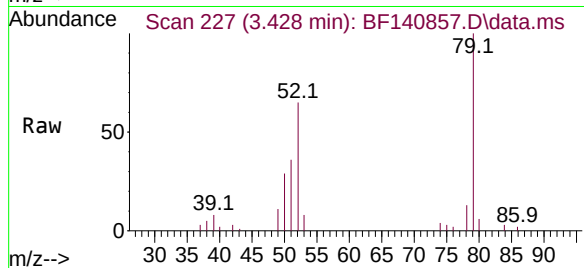
Tgt Ion: 79 Resp: 45270

Ion Ratio Lower Upper

79 100

52 64.7 51.7 77.5

51 35.6 28.2 42.4



#4

n-Nitrosodimethylamine

Concen: 9.699 ng

RT: 3.351 min Scan# 214

Delta R.T. -0.006 min

Lab File: BF140857.D

Acq: 16 Dec 2024 13:05

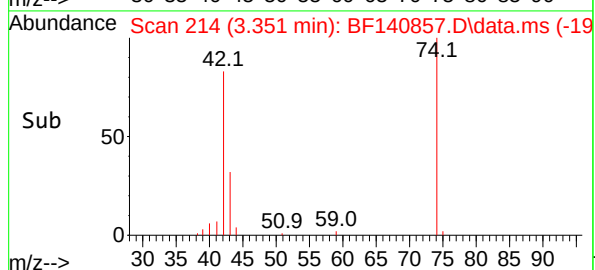
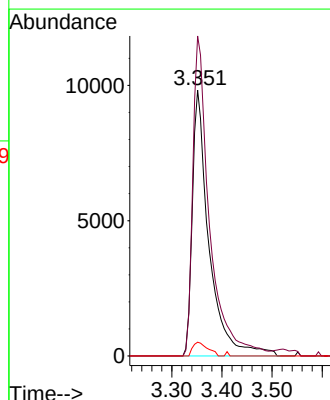
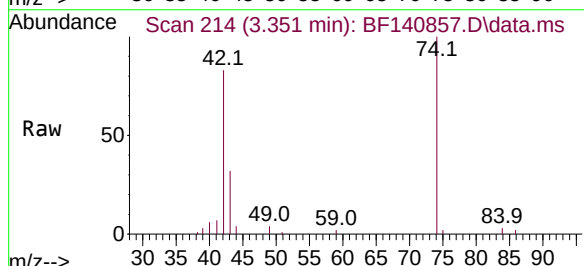
Tgt Ion: 42 Resp: 22689

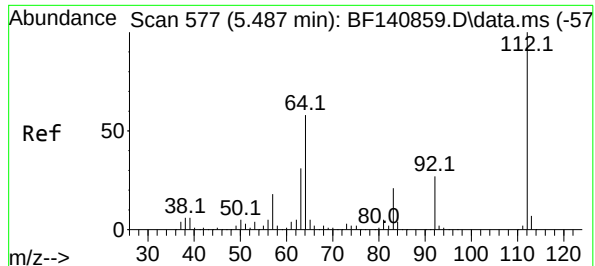
Ion Ratio Lower Upper

42 100

74 120.4 96.9 145.3

44 5.2 4.4 6.6



#5
2-Fluorophenol

Concen: 20.344 ng

RT: 5.487 min Scan# 51

Delta R.T. -0.000 min

Lab File: BF140857.D

Acq: 16 Dec 2024 13:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

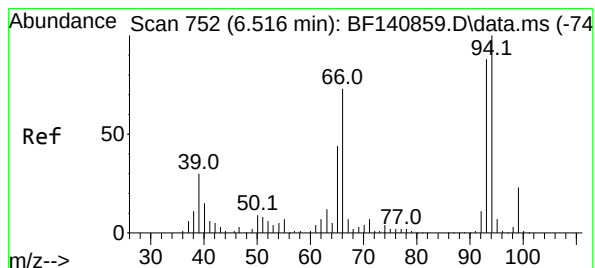
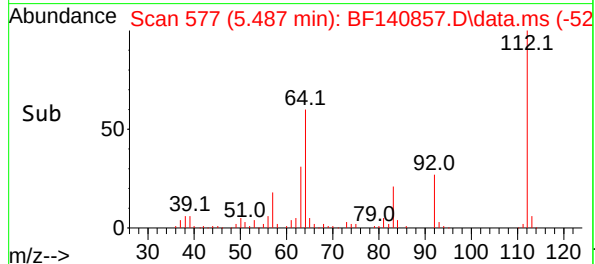
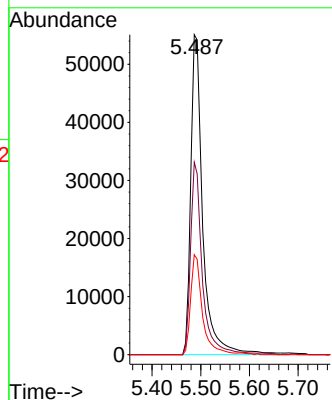
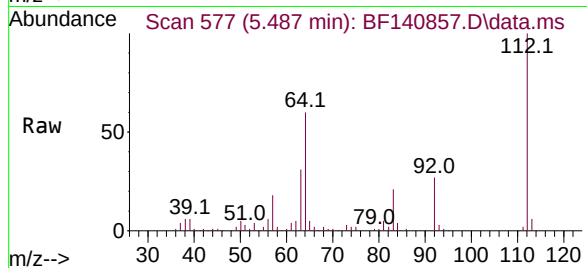
Tgt Ion:112 Resp: 94639

Ion Ratio Lower Upper

112 100

64 60.1 46.1 69.1

63 31.3 24.9 37.3



#6

Aniline

Concen: 10.620 ng

RT: 6.516 min Scan# 752

Delta R.T. -0.000 min

Lab File: BF140857.D

Acq: 16 Dec 2024 13:05

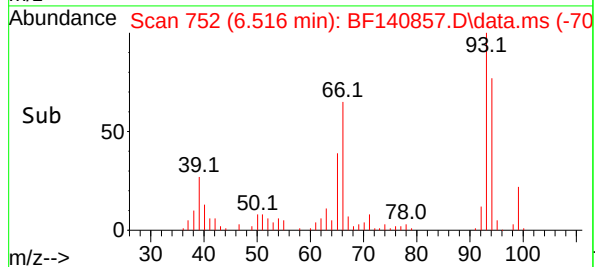
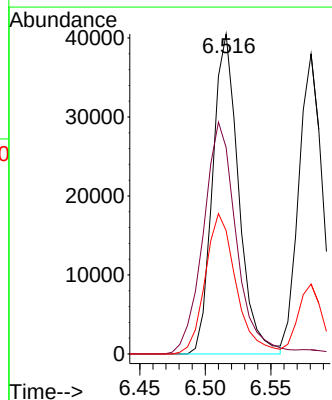
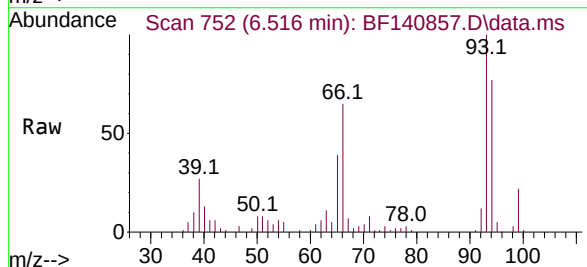
Tgt Ion: 93 Resp: 55946

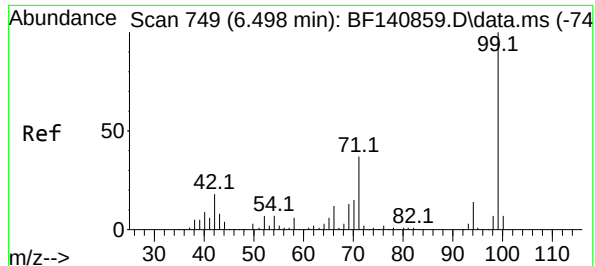
Ion Ratio Lower Upper

93 100

66 64.5 67.0 100.4#

65 38.5 40.4 60.6#





#7

Phenol-d6

Concen: 20.645 ng

RT: 6.492 min Scan# 749

Delta R.T. -0.006 min

Lab File: BF140857.D

Acq: 16 Dec 2024 13:05

Instrument :

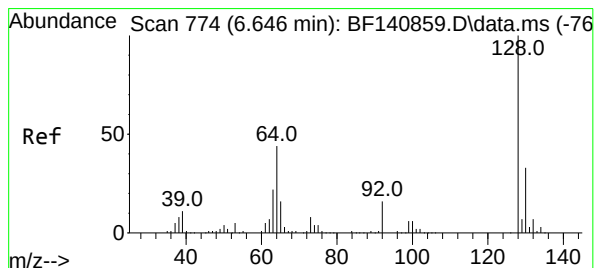
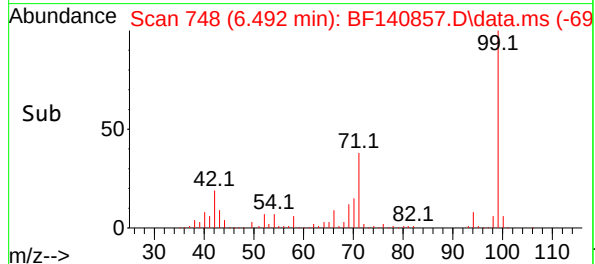
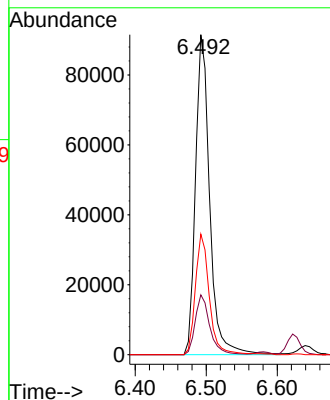
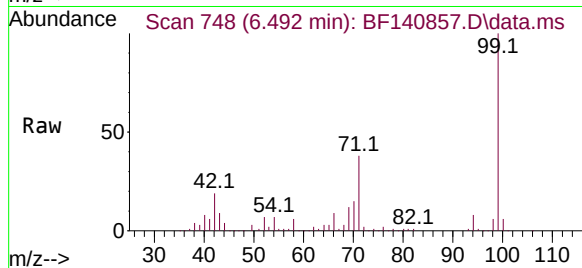
BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion: 99 Resp: 127200

Ion	Ratio	Lower	Upper
99	100		
42	18.7	14.3	21.5
71	37.6	29.9	44.9



#8

2-Chlorophenol

Concen: 10.411 ng

RT: 6.639 min Scan# 773

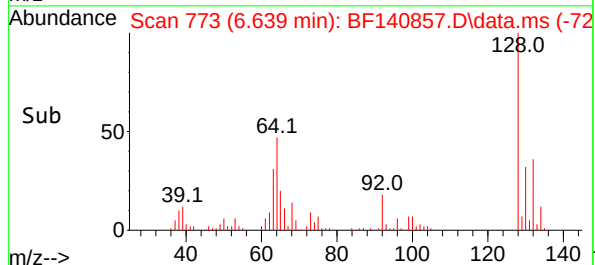
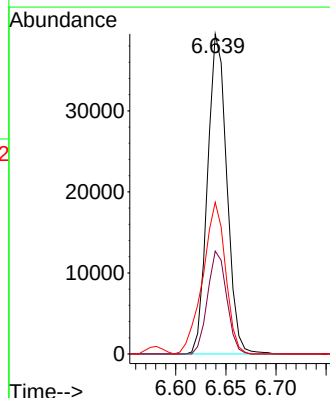
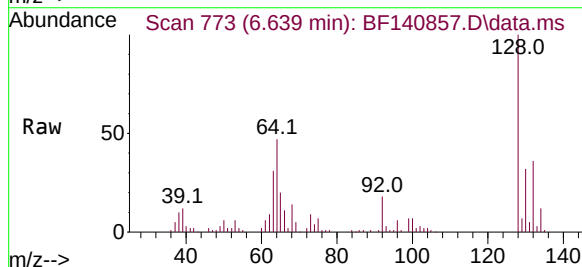
Delta R.T. -0.006 min

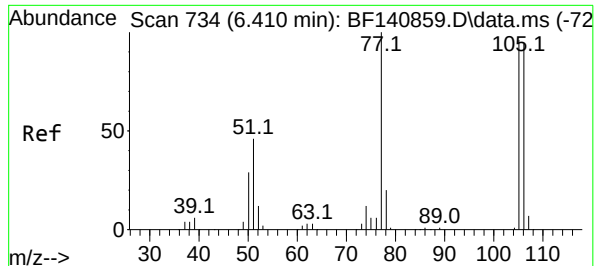
Lab File: BF140857.D

Acq: 16 Dec 2024 13:05

Tgt Ion: 128 Resp: 52812

Ion	Ratio	Lower	Upper
128	100		
130	32.2	12.9	52.9
64	47.4	24.3	64.3





#9

Benzaldehyde

Concen: 11.792 ng

RT: 6.404 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF140857.D

Acq: 16 Dec 2024 13:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

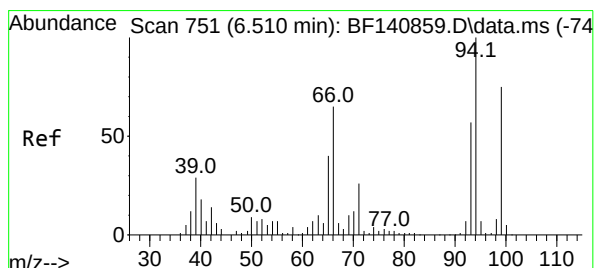
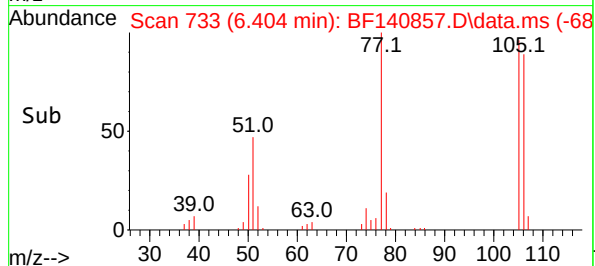
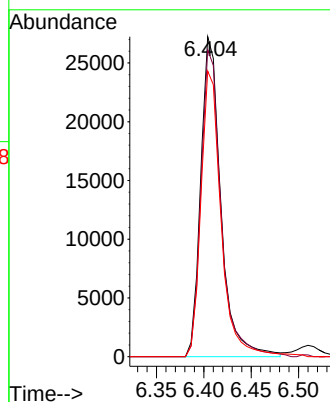
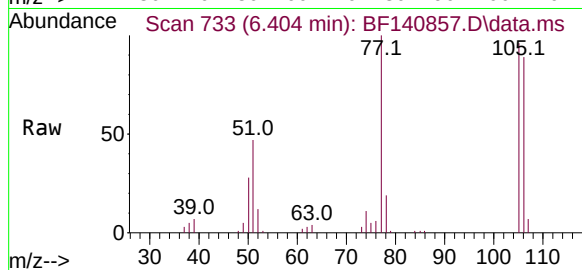
Tgt Ion: 77 Resp: 40257

Ion Ratio Lower Upper

77 100

105 95.9 75.8 115.8

106 89.3 74.1 114.1



#10

Phenol

Concen: 10.135 ng

RT: 6.510 min Scan# 751

Delta R.T. -0.000 min

Lab File: BF140857.D

Acq: 16 Dec 2024 13:05

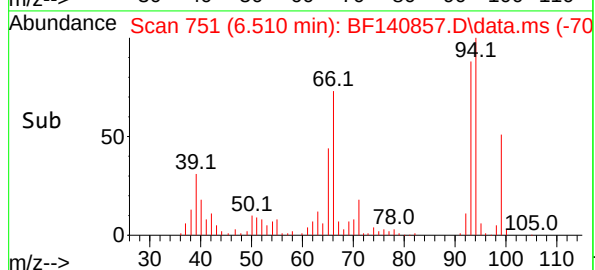
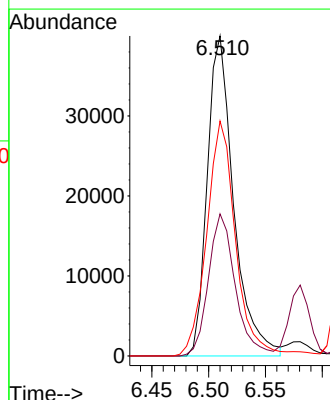
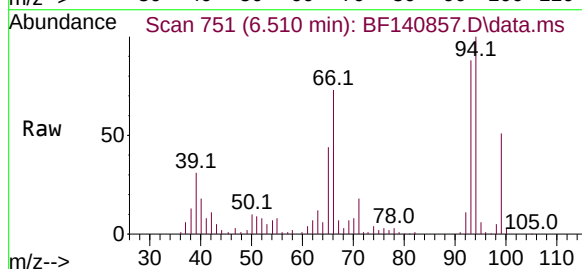
Tgt Ion: 94 Resp: 64718

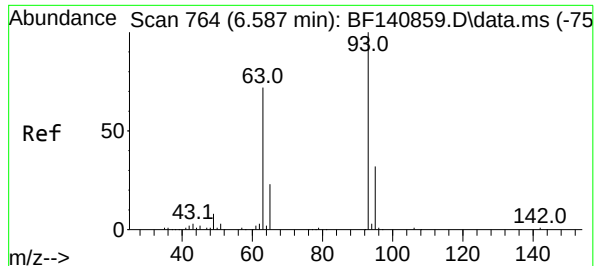
Ion Ratio Lower Upper

94 100

65 44.4 19.9 59.9

66 73.4 45.6 85.6





#11

bis(2-Chloroethyl)ether

Concen: 9.984 ng

RT: 6.581 min Scan# 763

Delta R.T. -0.006 min

Lab File: BF140857.D

Acq: 16 Dec 2024 13:05

Instrument :

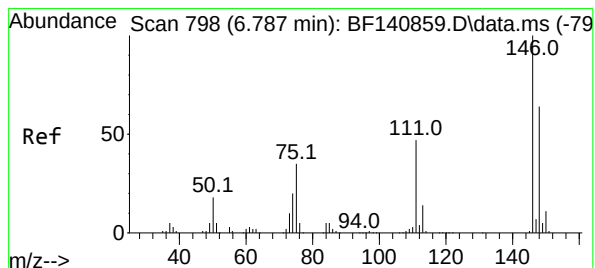
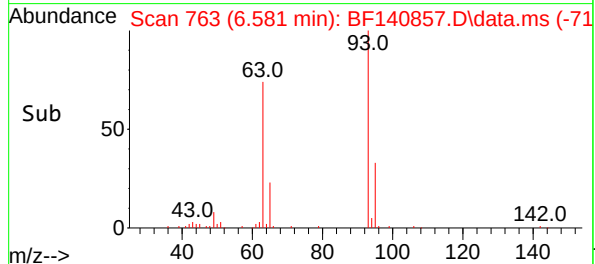
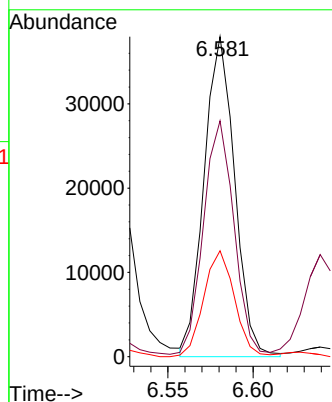
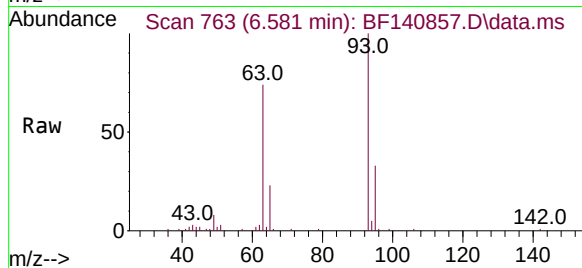
BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion: 93 Resp: 47546

Ion	Ratio	Lower	Upper
93	100		
63	73.7	51.0	91.0
95	33.1	12.0	52.0



#12

1,3-Dichlorobenzene

Concen: 10.199 ng

RT: 6.786 min Scan# 798

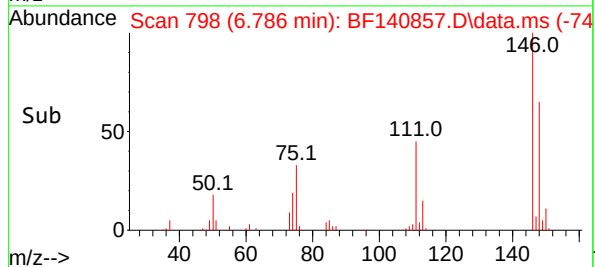
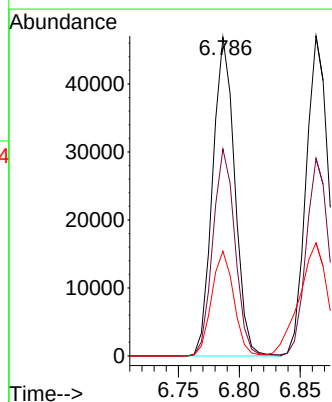
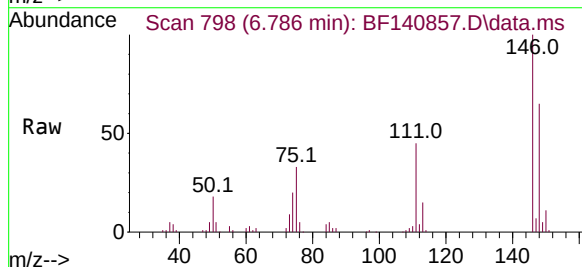
Delta R.T. -0.000 min

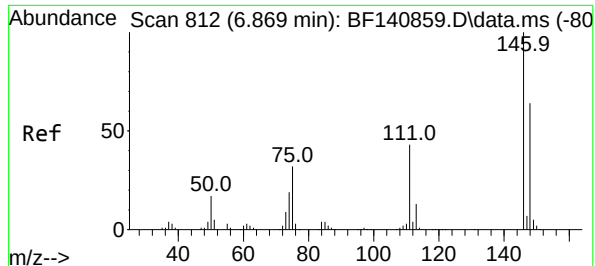
Lab File: BF140857.D

Acq: 16 Dec 2024 13:05

Tgt Ion: 146 Resp: 58952

Ion	Ratio	Lower	Upper
146	100		
148	65.0	51.0	76.6
75	32.9	28.1	42.1





#13

1,4-Dichlorobenzene

Concen: 10.451 ng

RT: 6.863 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF140857.D

Acq: 16 Dec 2024 13:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

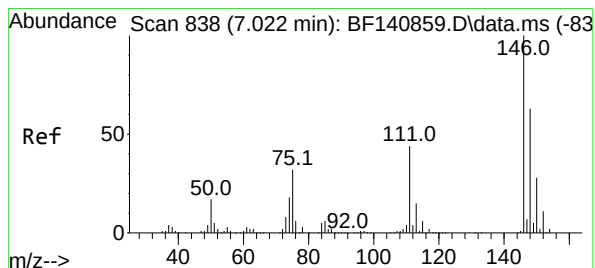
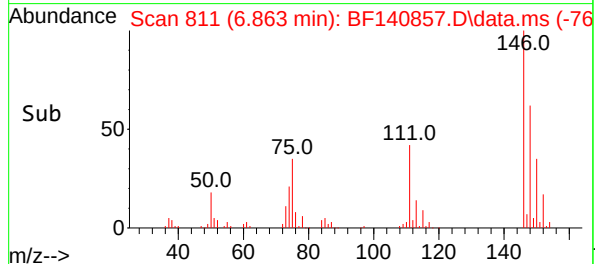
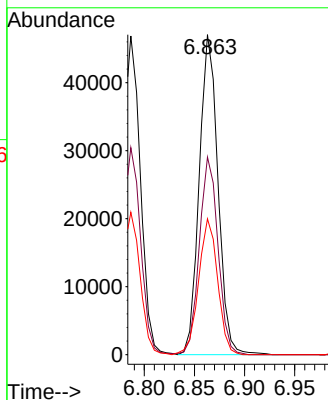
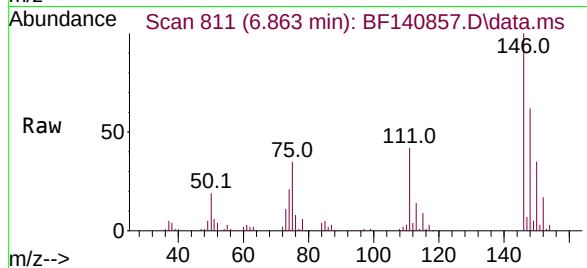
Tgt Ion:146 Resp: 61319

Ion Ratio Lower Upper

146 100

148 61.8 51.3 76.9

111 42.5 34.4 51.6



#14

1,2-Dichlorobenzene

Concen: 10.343 ng

RT: 7.016 min Scan# 837

Delta R.T. -0.006 min

Lab File: BF140857.D

Acq: 16 Dec 2024 13:05

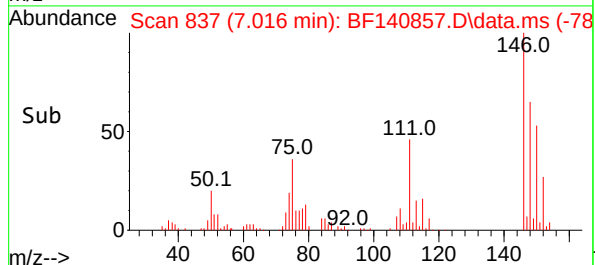
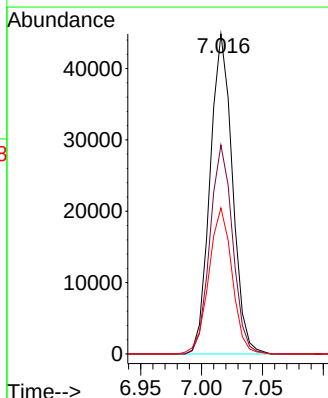
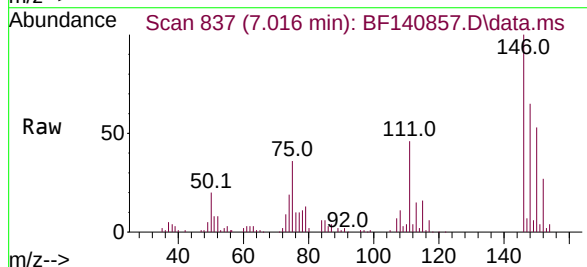
Tgt Ion:146 Resp: 57259

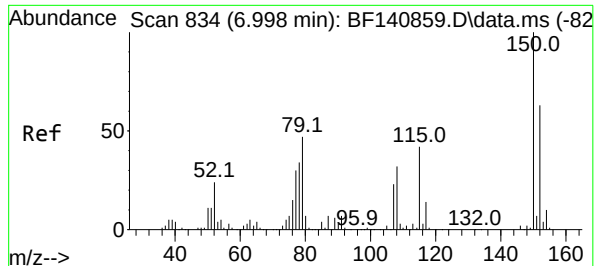
Ion Ratio Lower Upper

146 100

148 65.3 50.0 75.0

111 45.6 35.6 53.4





#15

Benzyl Alcohol

Concen: 9.936 ng

RT: 6.998 min Scan# 81

Delta R.T. -0.000 min

Lab File: BF140857.D

Acq: 16 Dec 2024 13:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

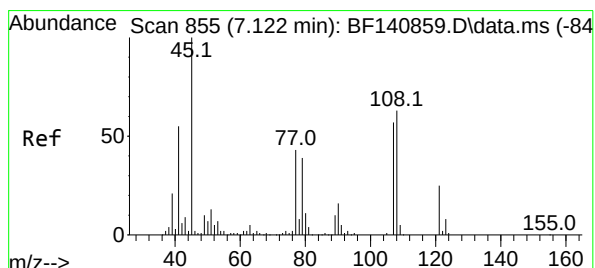
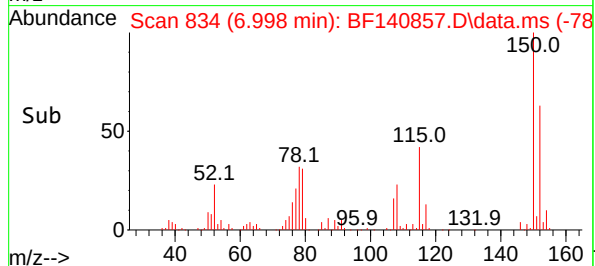
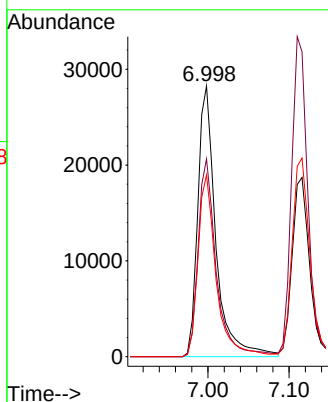
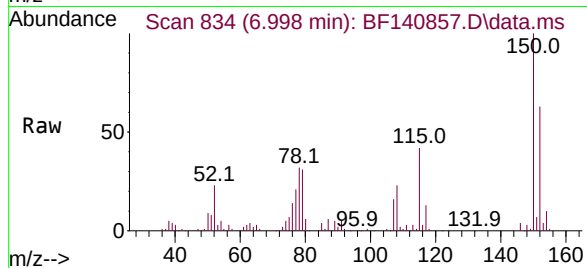
Tgt Ion: 79 Resp: 43771

Ion Ratio Lower Upper

79 100

108 73.1 55.1 82.7

77 67.2 50.6 76.0



#16

2,2'-oxybis(1-chloropropane)

Concen: 10.204 ng

RT: 7.122 min Scan# 855

Delta R.T. -0.000 min

Lab File: BF140857.D

Acq: 16 Dec 2024 13:05

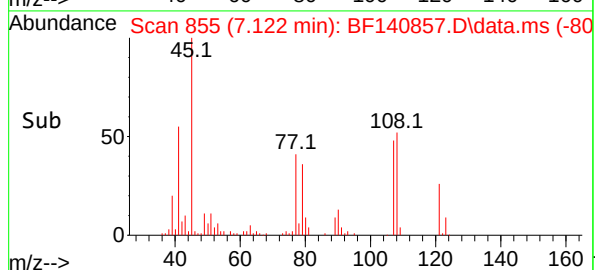
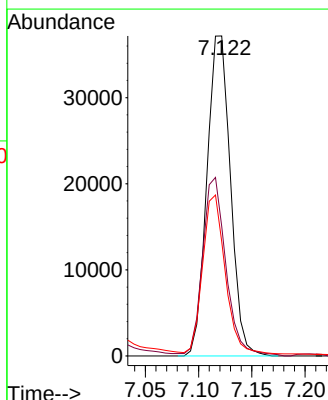
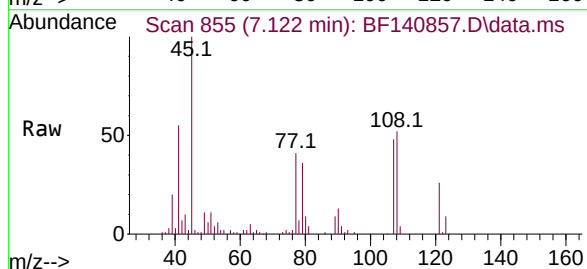
Tgt Ion: 45 Resp: 57243

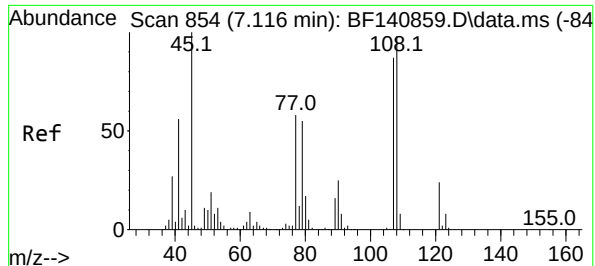
Ion Ratio Lower Upper

45 100

77 40.5 23.3 63.3

79 35.8 20.0 60.0

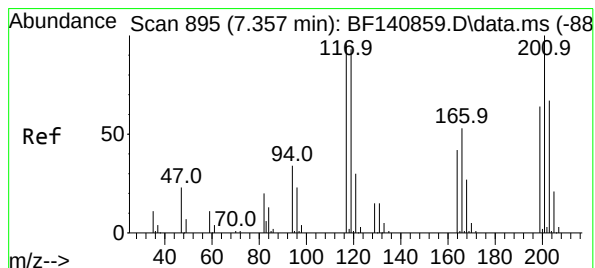
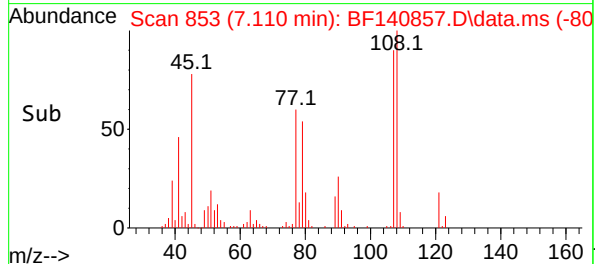
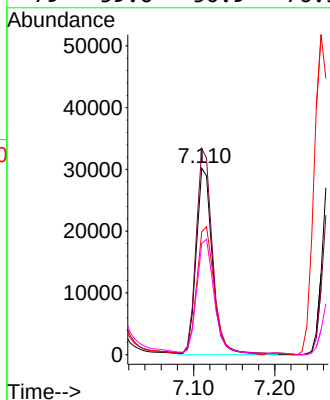
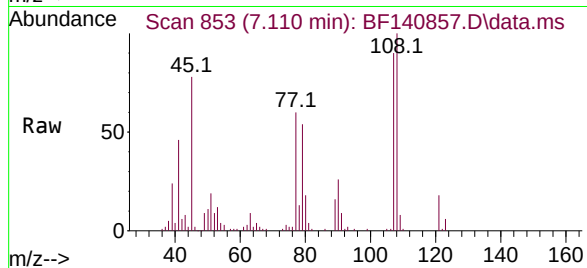




#17
2-Methylphenol
Concen: 10.446 ng
RT: 7.110 min Scan# 853
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

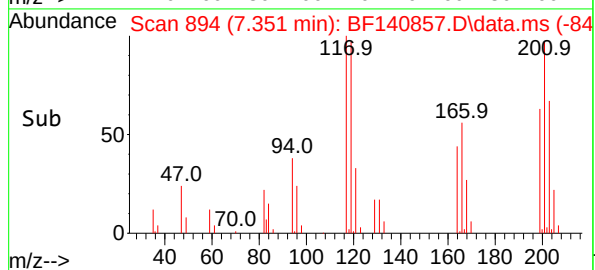
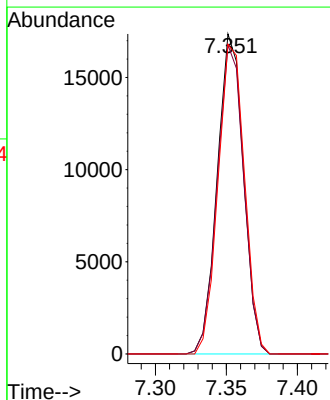
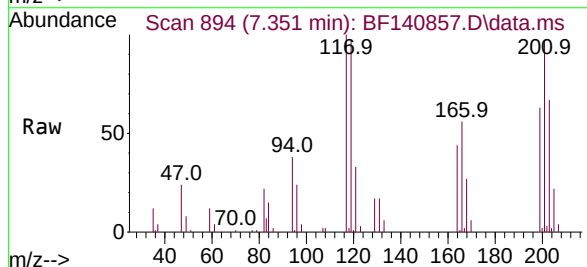
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

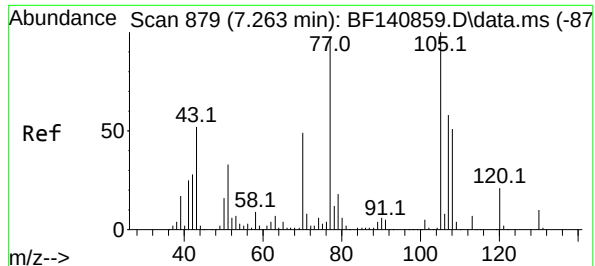
Tgt Ion	Ratio	Lower	Upper
107	100		
108	110.7	90.2	135.4
77	65.9	53.8	80.6
79	59.6	50.9	76.3



#18
Hexachloroethane
Concen: 10.174 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	77.4	116.0
201	96.8	83.4	125.0





#19

n-Nitroso-di-n-propylamine

Concen: 10.406 ng

RT: 7.251 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF140857.D

Acq: 16 Dec 2024 13:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion: 70 Resp: 38459

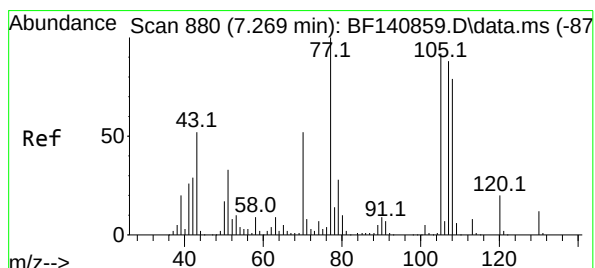
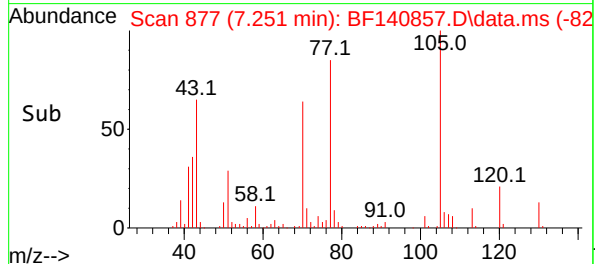
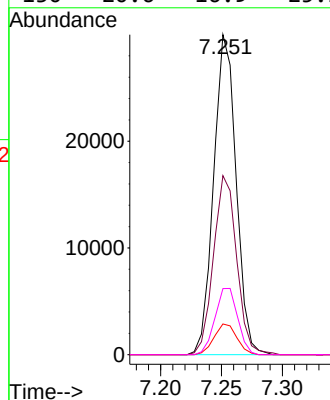
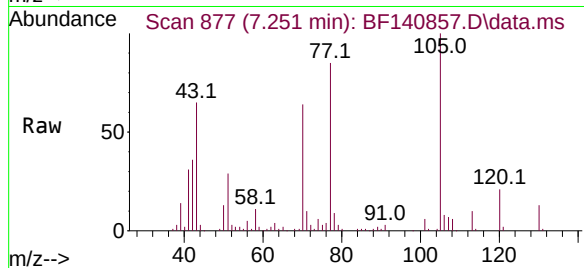
Ion Ratio Lower Upper

70 100

42 55.9 45.3 67.9

101 9.6 8.0 12.0

130 20.6 16.9 25.3



#20

3+4-Methylphenols

Concen: 10.628 ng

RT: 7.269 min Scan# 880

Delta R.T. -0.000 min

Lab File: BF140857.D

Acq: 16 Dec 2024 13:05

Tgt Ion:107 Resp: 57077

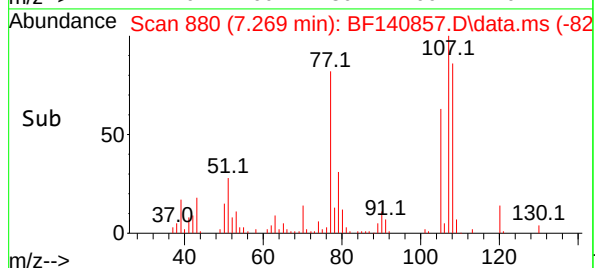
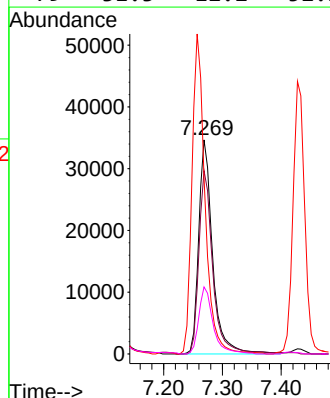
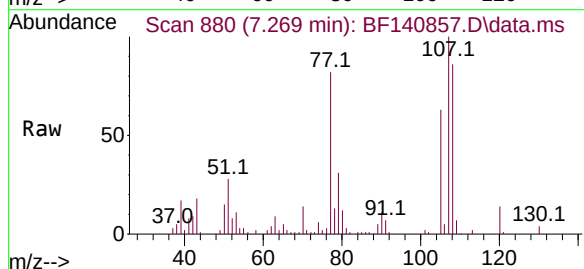
Ion Ratio Lower Upper

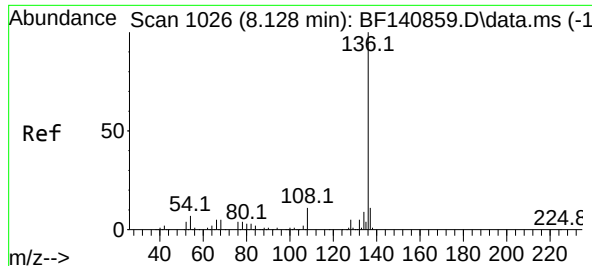
107 100

108 85.6 70.1 110.1

77 82.3 94.4 134.4#

79 31.3 12.2 52.2



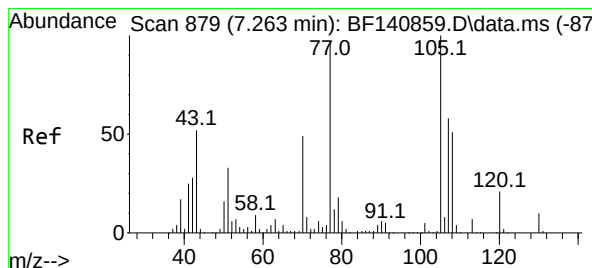
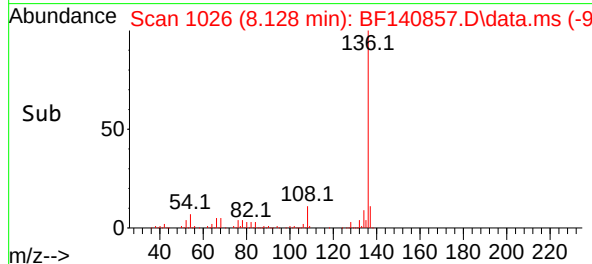
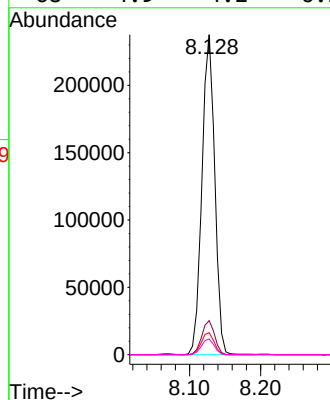
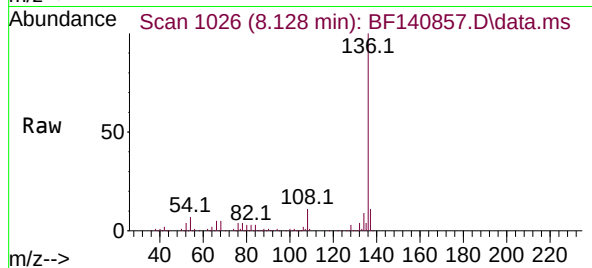


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1026
Delta R.T. -0.000 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:136 Resp: 298630

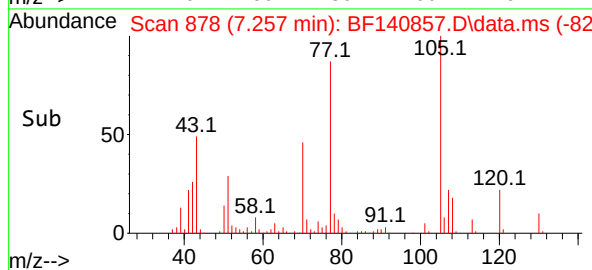
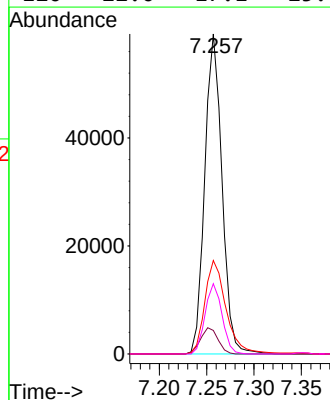
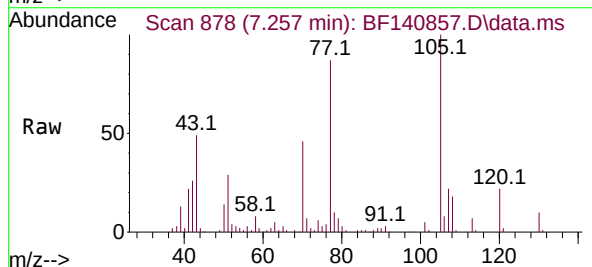
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.0	13.4
54	6.9	5.6	8.4
68	4.9	4.2	6.2

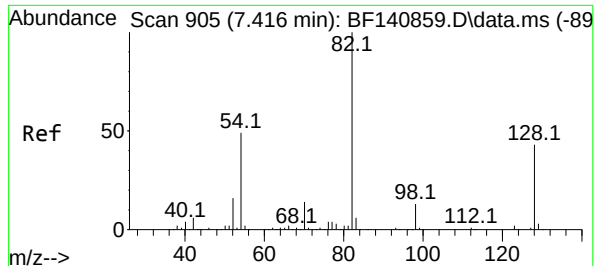


#22
Acetophenone
Concen: 10.046 ng
RT: 7.257 min Scan# 878
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:105 Resp: 75049

Ion	Ratio	Lower	Upper
105	100		
71	7.3	6.2	9.4
51	29.2	26.3	39.5
120	22.0	17.1	25.7





#23

Nitrobenzene-d5

Concen: 20.048 ng

RT: 7.410 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF140857.D

Acq: 16 Dec 2024 13:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

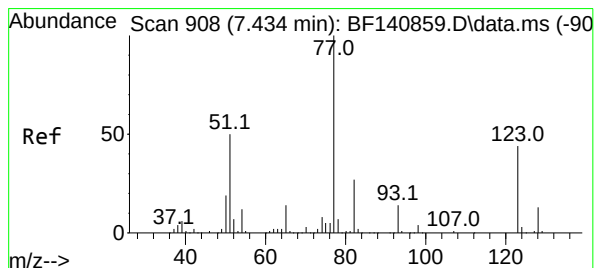
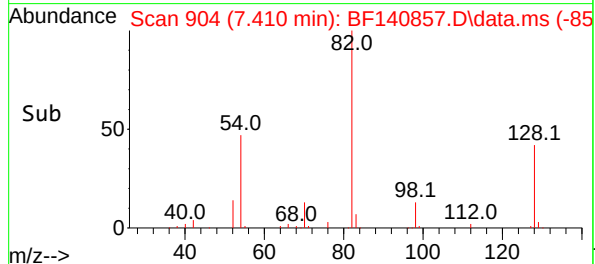
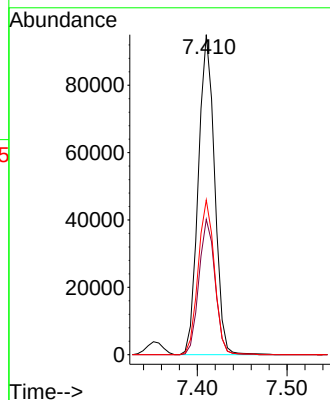
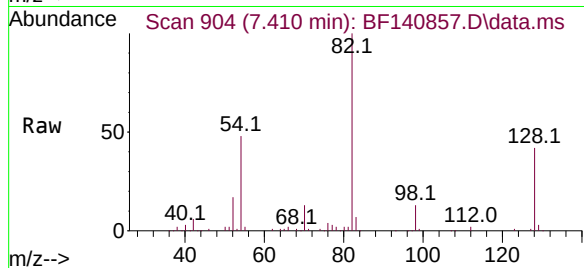
Tgt Ion: 82 Resp: 119665

Ion Ratio Lower Upper

82 100

128 42.3 34.4 51.6

54 48.3 38.8 58.2



#24

Nitrobenzene

Concen: 10.024 ng

RT: 7.428 min Scan# 907

Delta R.T. -0.006 min

Lab File: BF140857.D

Acq: 16 Dec 2024 13:05

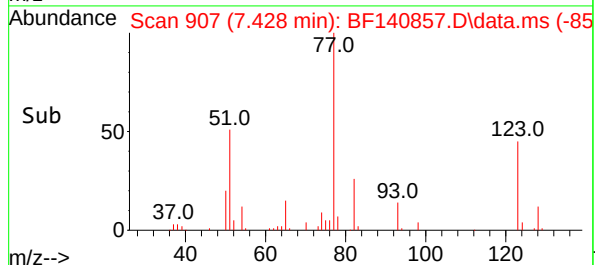
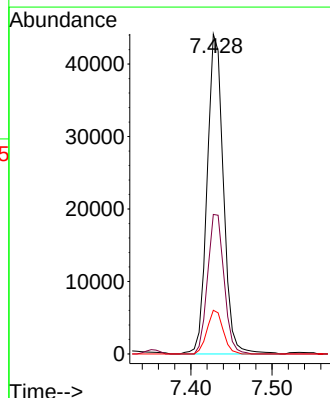
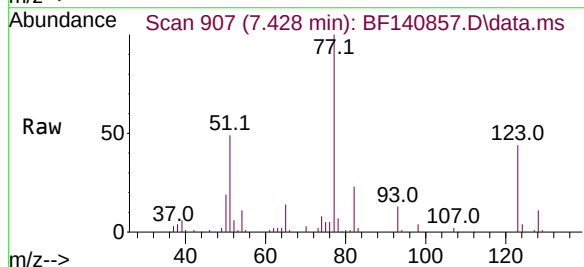
Tgt Ion: 77 Resp: 61294

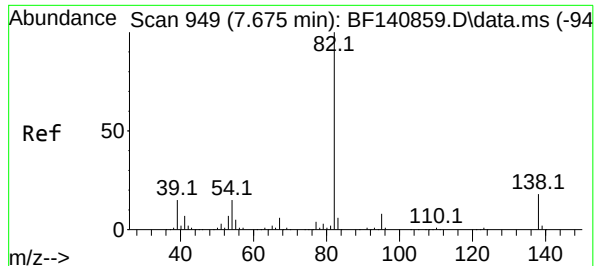
Ion Ratio Lower Upper

77 100

123 43.6 35.0 52.4

65 13.7 11.4 17.0





#25

Isophorone

Concen: 10.039 ng

RT: 7.669 min Scan# 94

Delta R.T. -0.006 min

Lab File: BF140857.D

Acq: 16 Dec 2024 13:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

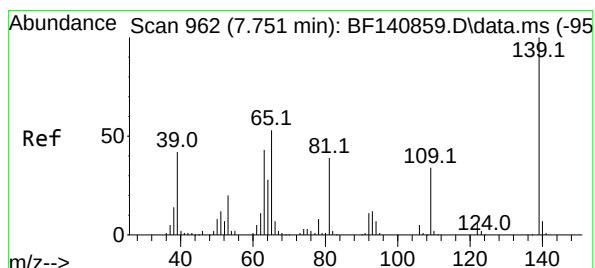
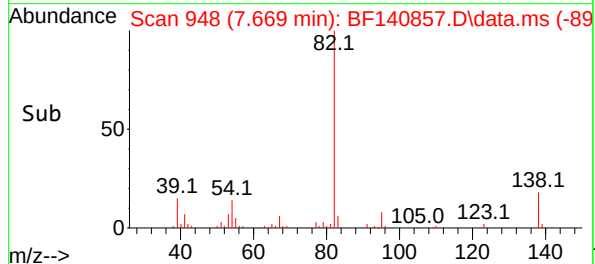
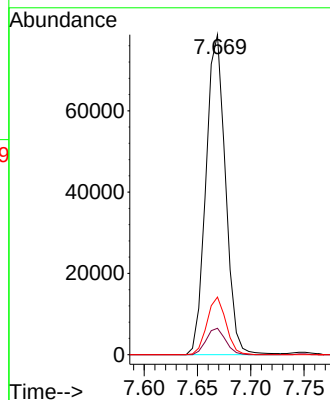
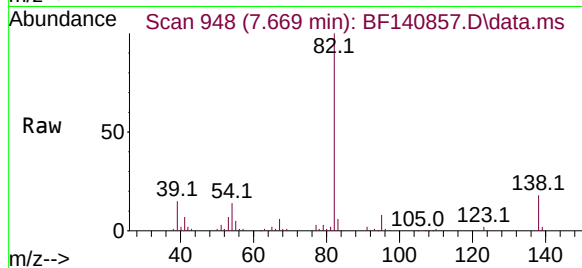
Tgt Ion: 82 Resp: 100405

Ion Ratio Lower Upper

82 100

95 8.3 6.3 9.5

138 18.0 14.1 21.1



#26

2-Nitrophenol

Concen: 9.808 ng

RT: 7.751 min Scan# 962

Delta R.T. -0.000 min

Lab File: BF140857.D

Acq: 16 Dec 2024 13:05

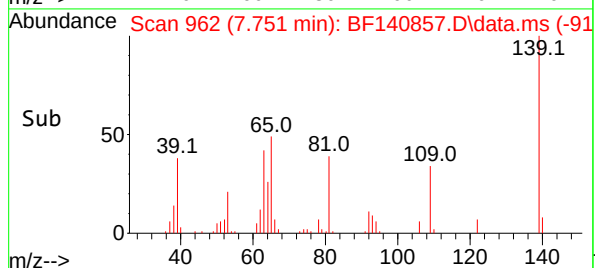
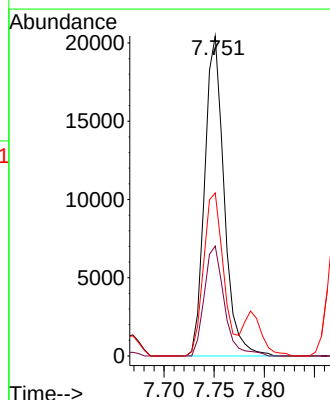
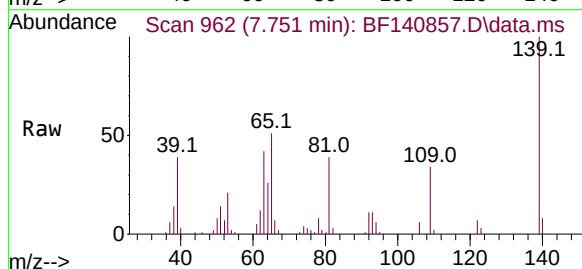
Tgt Ion:139 Resp: 27623

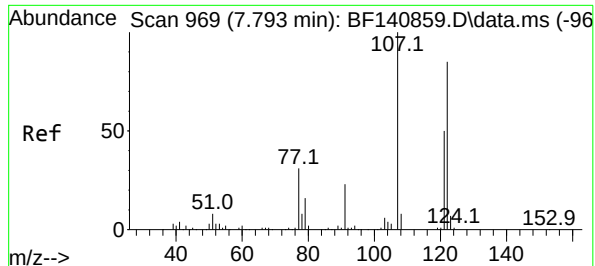
Ion Ratio Lower Upper

139 100

109 34.3 26.9 40.3

65 51.0 42.6 64.0





#27

2,4-Dimethylphenol

Concen: 9.988 ng

RT: 7.786 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF140857.D

Acq: 16 Dec 2024 13:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

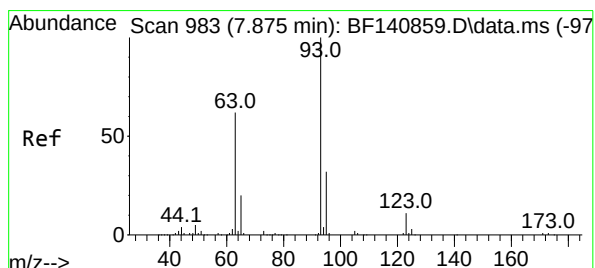
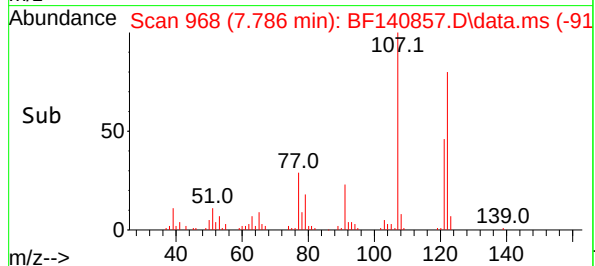
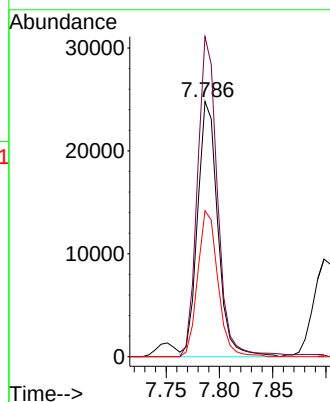
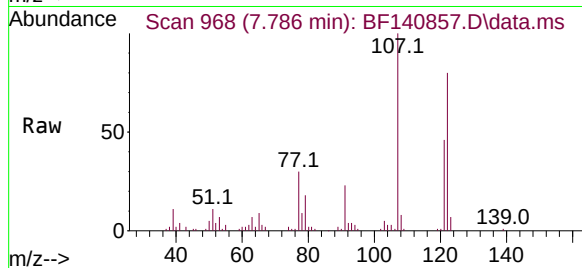
Tgt Ion:122 Resp: 32852

Ion Ratio Lower Upper

122 100

107 125.4 92.6 139.0

121 57.2 45.8 68.8



#28

bis(2-Chloroethoxy)methane

Concen: 9.886 ng

RT: 7.875 min Scan# 983

Delta R.T. -0.000 min

Lab File: BF140857.D

Acq: 16 Dec 2024 13:05

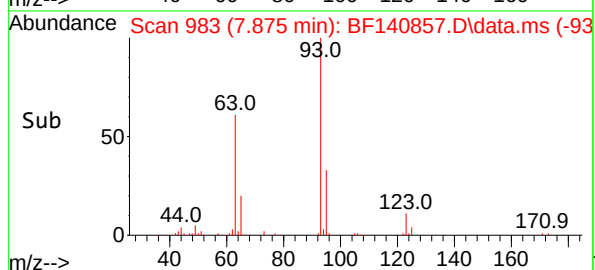
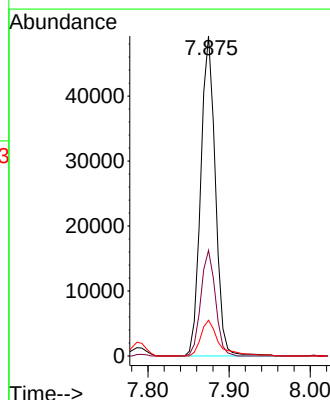
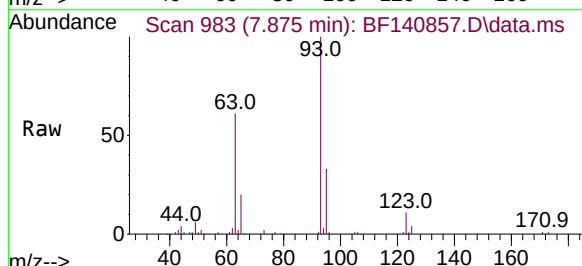
Tgt Ion: 93 Resp: 61752

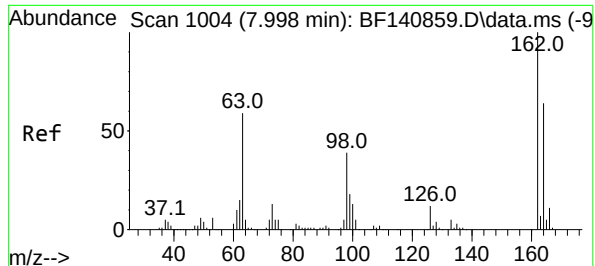
Ion Ratio Lower Upper

93 100

95 33.0 25.3 37.9

123 11.2 8.6 13.0





#29

2,4-Dichlorophenol

Concen: 10.191 ng

RT: 8.004 min Scan# 1005

Delta R.T. 0.006 min

Lab File: BF140857.D

Acq: 16 Dec 2024 13:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

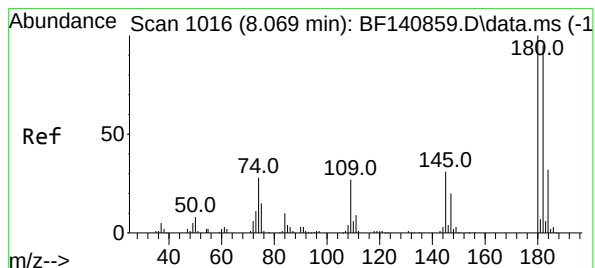
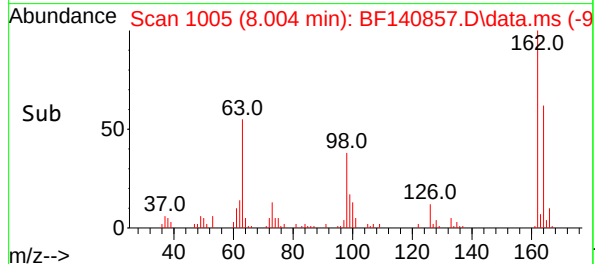
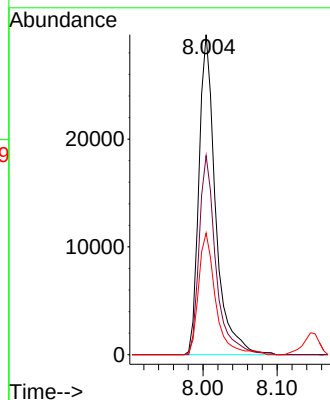
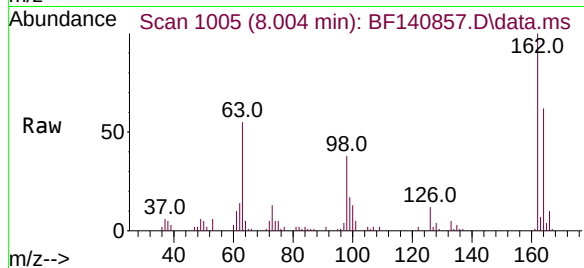
Tgt Ion:162 Resp: 46274

Ion Ratio Lower Upper

162 100

164 62.2 43.7 83.7

98 38.0 18.6 58.6



#30

1,2,4-Trichlorobenzene

Concen: 10.141 ng

RT: 8.069 min Scan# 1016

Delta R.T. -0.000 min

Lab File: BF140857.D

Acq: 16 Dec 2024 13:05

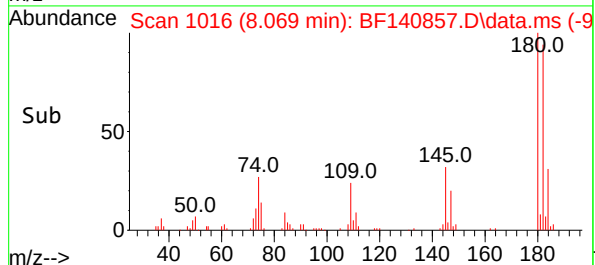
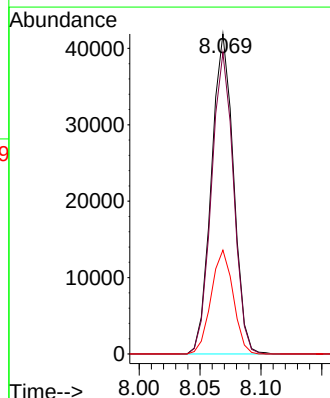
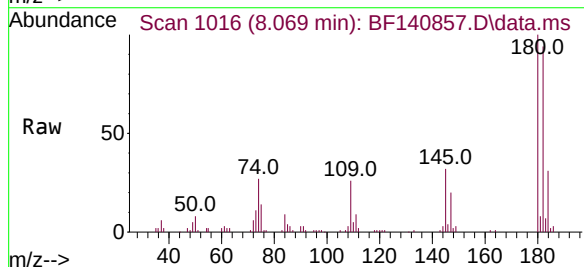
Tgt Ion:180 Resp: 52790

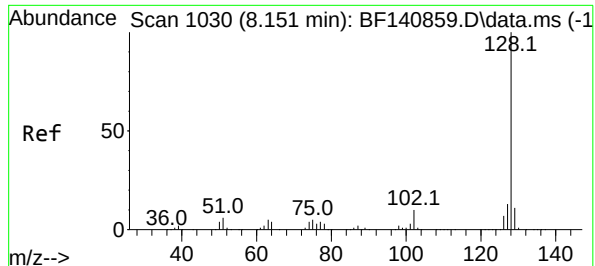
Ion Ratio Lower Upper

180 100

182 94.2 75.8 113.6

145 32.4 25.2 37.8





#31

Naphthalene

Concen: 10.241 ng

RT: 8.145 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140857.D

Acq: 16 Dec 2024 13:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

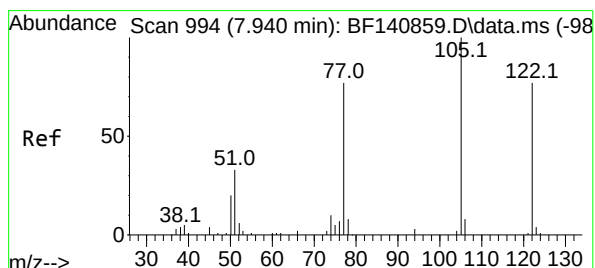
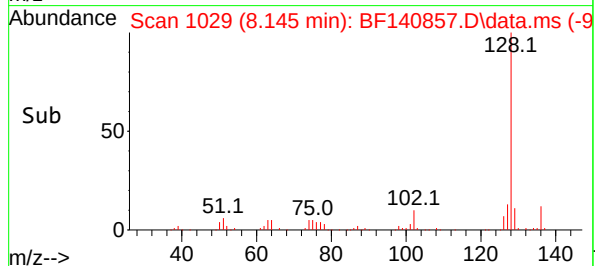
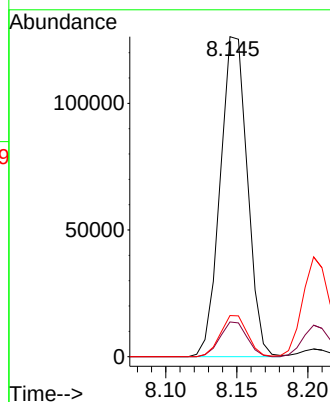
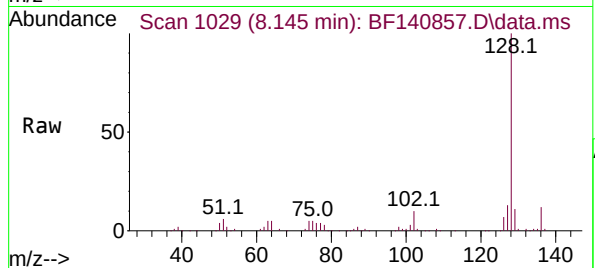
Tgt Ion:128 Resp: 168002

Ion Ratio Lower Upper

128 100

129 10.9 8.9 13.3

127 12.8 10.6 16.0



#32

Benzoic acid

Concen: 8.261 ng

RT: 7.898 min Scan# 987

Delta R.T. -0.042 min

Lab File: BF140857.D

Acq: 16 Dec 2024 13:05

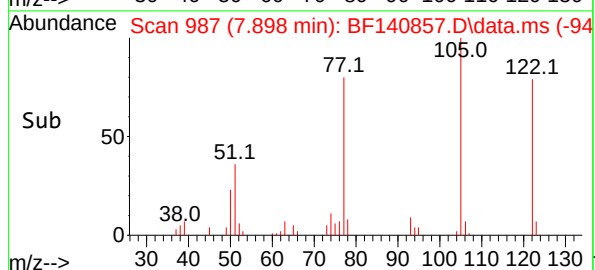
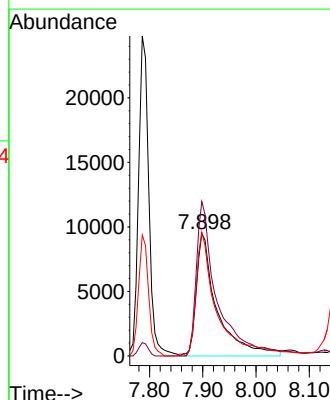
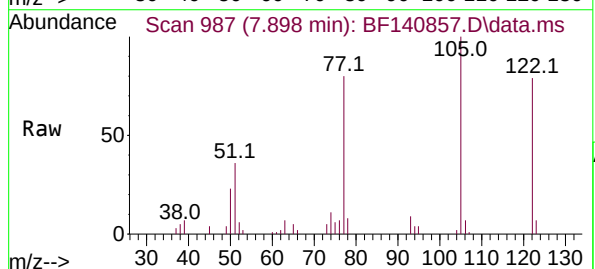
Tgt Ion:122 Resp: 25770

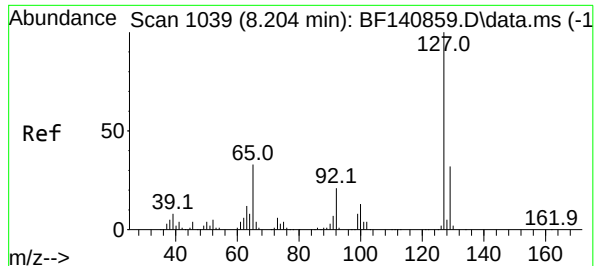
Ion Ratio Lower Upper

122 100

105 126.2 108.3 148.3

77 101.3 78.8 118.8

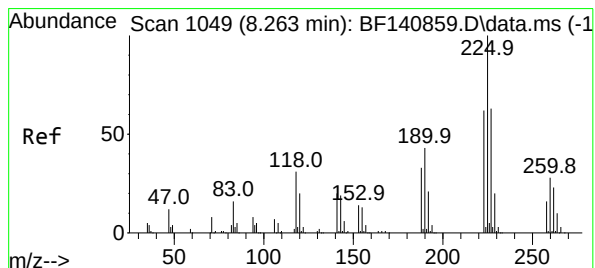
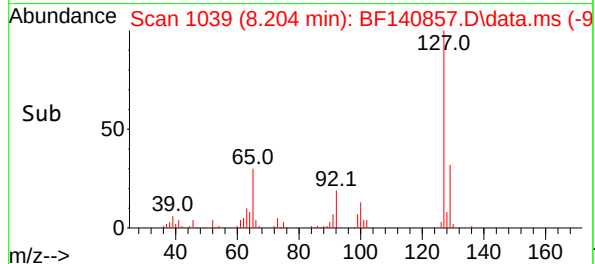
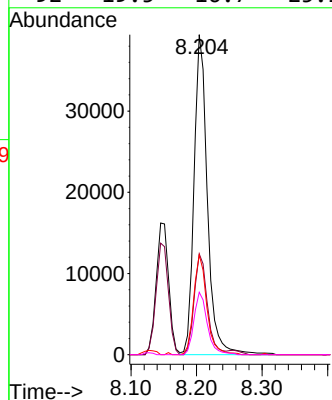
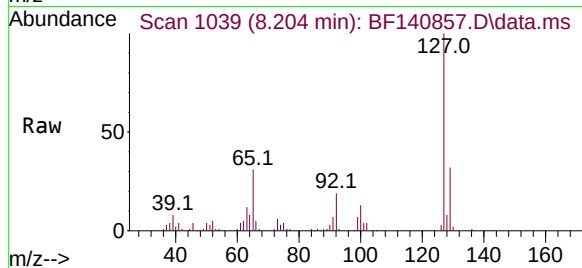




#33
4-Chloroaniline
Concen: 10.269 ng
RT: 8.204 min Scan# 1039
Delta R.T. -0.000 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

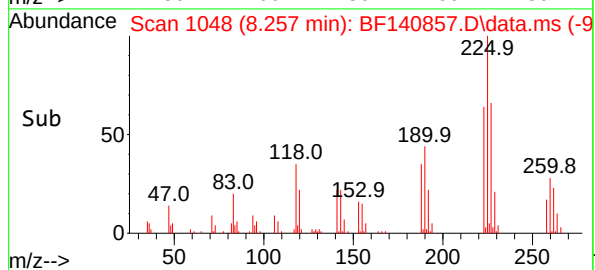
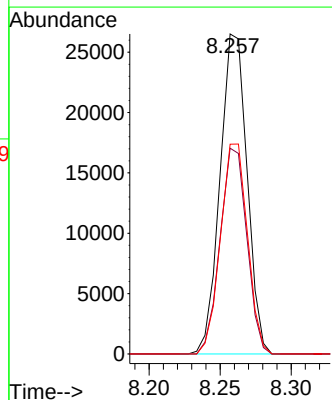
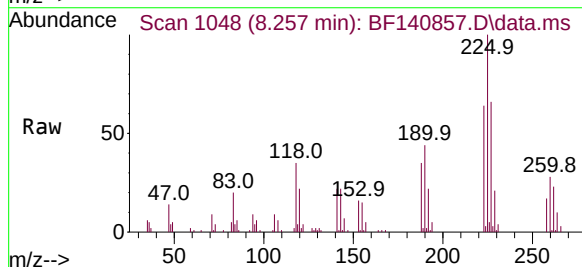
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

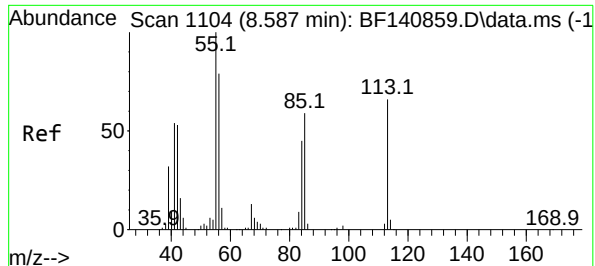
Tgt Ion:	127	Resp:	55948
Ion	Ratio	Lower	Upper
127	100		
129	31.5	26.0	39.0
65	31.2	26.0	39.0
92	19.5	16.7	25.1



#34
Hexachlorobutadiene
Concen: 10.022 ng
RT: 8.257 min Scan# 1048
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:	225	Resp:	35099
Ion	Ratio	Lower	Upper
225	100		
223	64.3	49.6	74.4
227	65.5	50.7	76.1

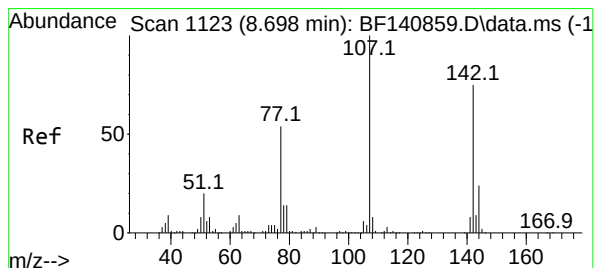
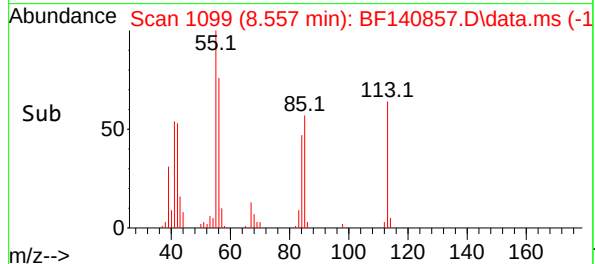
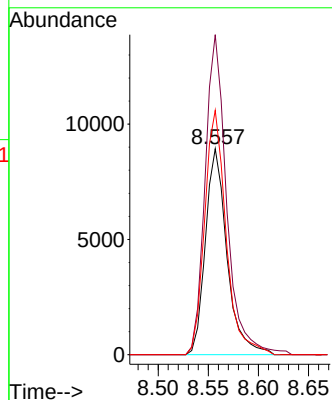
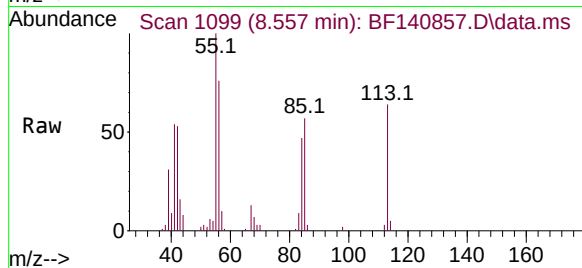




#35
Caprolactam
Concen: 9.925 ng
RT: 8.557 min Scan# 1104
Delta R.T. -0.030 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

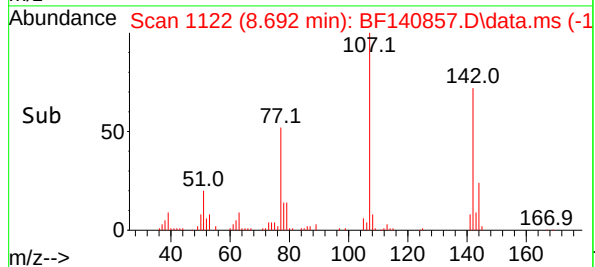
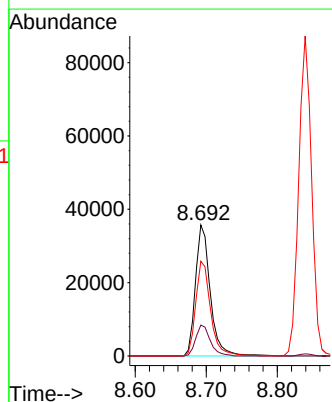
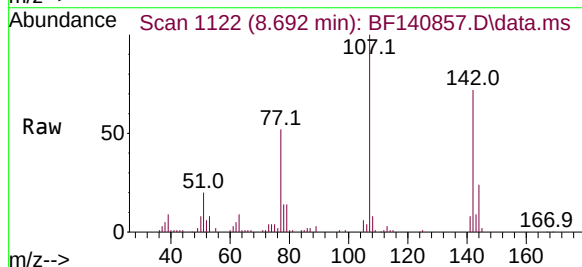
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

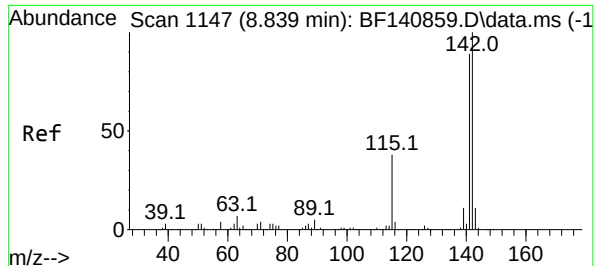
Tgt Ion:113 Resp: 13417
Ion Ratio Lower Upper
113 100
55 155.4 132.3 172.3
56 118.6 100.3 140.3



#36
4-Chloro-3-methylphenol
Concen: 10.150 ng
RT: 8.692 min Scan# 1122
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:107 Resp: 51876
Ion Ratio Lower Upper
107 100
144 23.6 19.4 29.2
142 72.3 60.3 90.5





#37

2-Methylnaphthalene

Concen: 10.093 ng

RT: 8.839 min Scan# 1147

Delta R.T. -0.000 min

Lab File: BF140857.D

Acq: 16 Dec 2024 13:05

Instrument :

BNA_F

ClientSampleId :

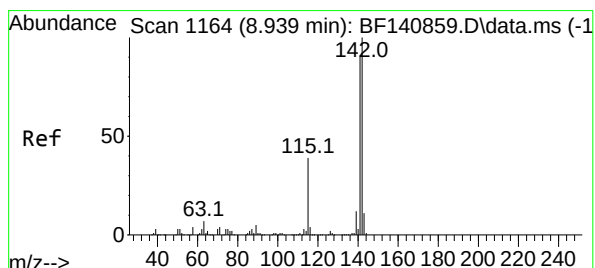
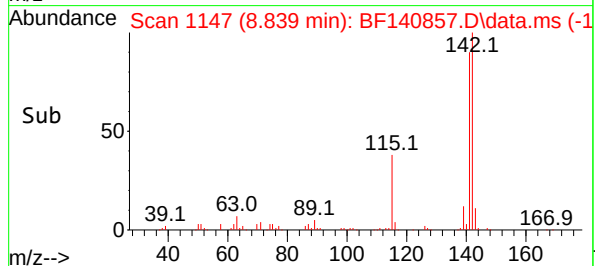
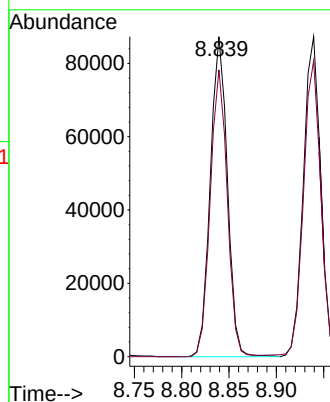
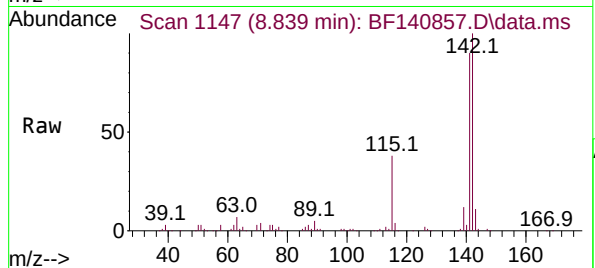
SSTDICC010

Tgt Ion:142 Resp: 109525

Ion Ratio Lower Upper

142 100

141 89.7 71.0 106.6



#38

1-Methylnaphthalene

Concen: 10.335 ng

RT: 8.939 min Scan# 1164

Delta R.T. -0.000 min

Lab File: BF140857.D

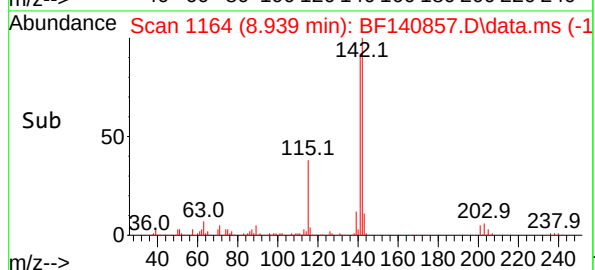
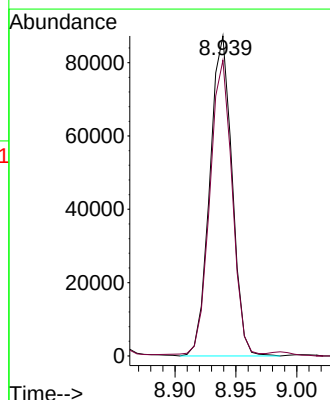
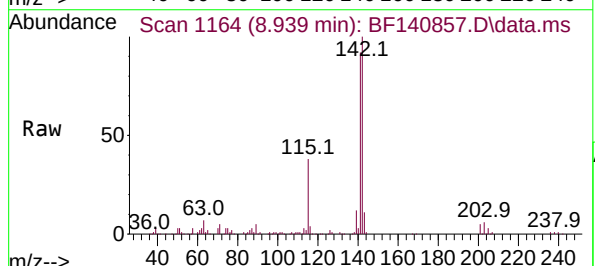
Acq: 16 Dec 2024 13:05

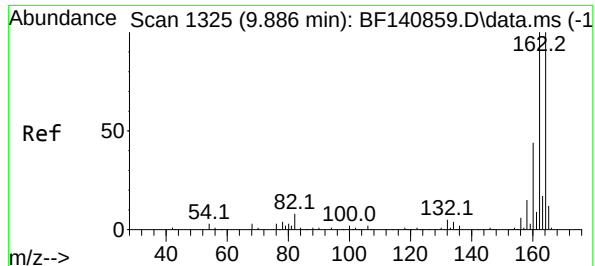
Tgt Ion:142 Resp: 110917

Ion Ratio Lower Upper

142 100

141 92.4 73.4 110.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.880 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140857.D

Acq: 16 Dec 2024 13:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

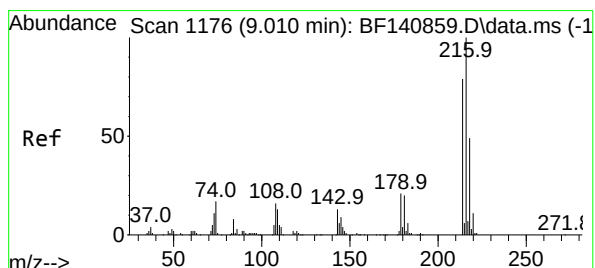
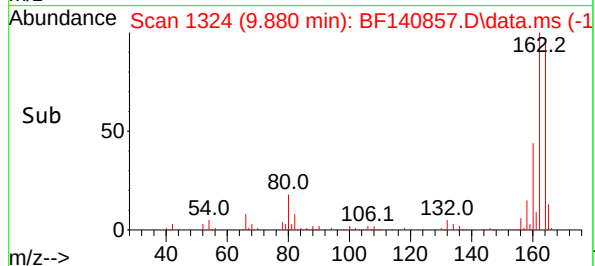
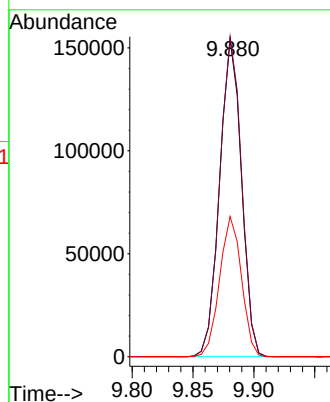
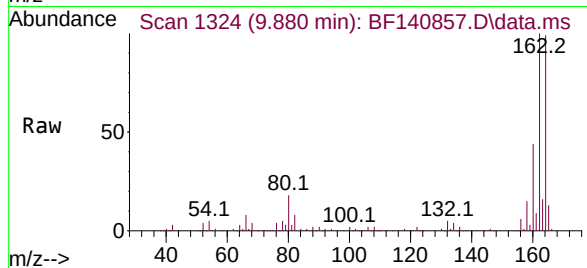
Tgt Ion:164 Resp: 192062

Ion Ratio Lower Upper

164 100

162 100.9 79.9 119.9

160 44.2 35.2 52.8



#40

1,2,4,5-Tetrachlorobenzene

Concen: 9.320 ng

RT: 9.004 min Scan# 1175

Delta R.T. -0.006 min

Lab File: BF140857.D

Acq: 16 Dec 2024 13:05

Tgt Ion:216 Resp: 55018

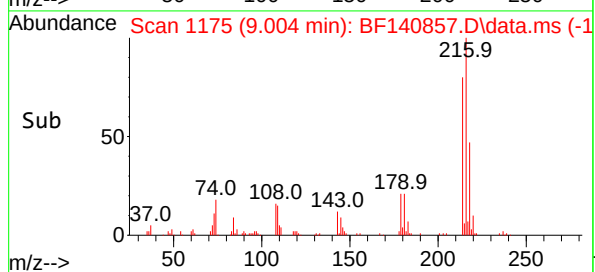
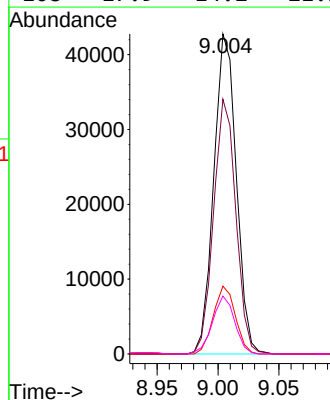
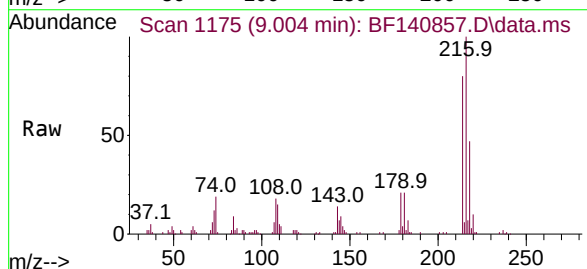
Ion Ratio Lower Upper

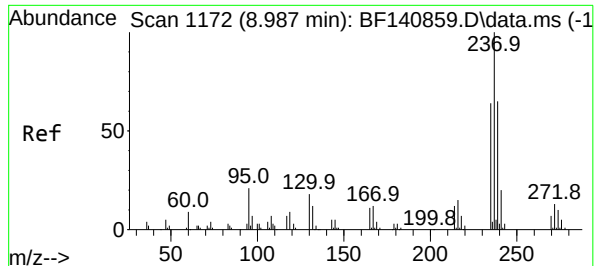
216 100

214 78.6 63.6 95.4

179 20.7 17.0 25.4

108 17.9 14.2 21.2

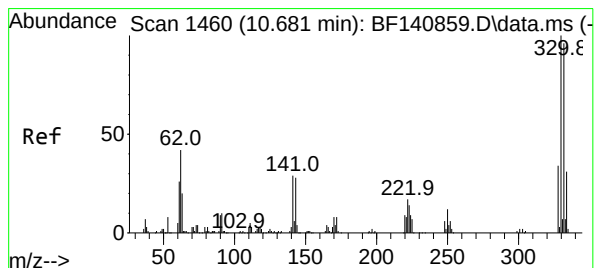
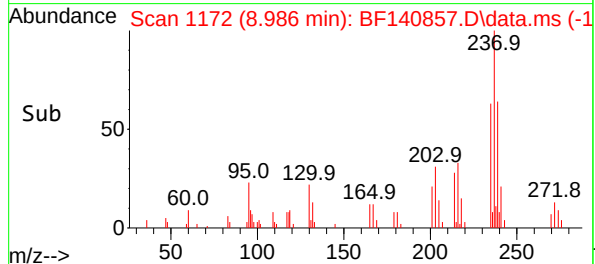
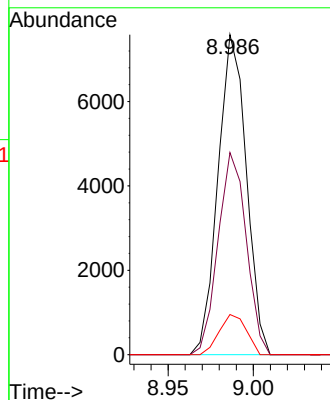
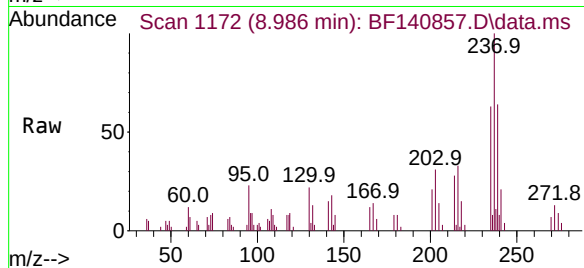




#41
Hexachlorocyclopentadiene
Concen: 8.866 ng
RT: 8.986 min Scan# 1172
Delta R.T. -0.001 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

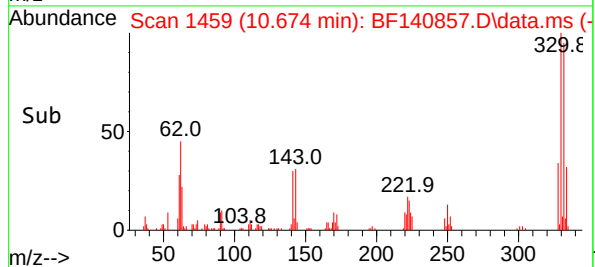
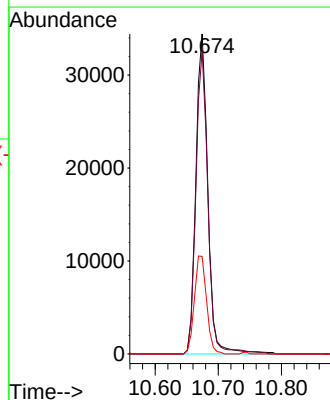
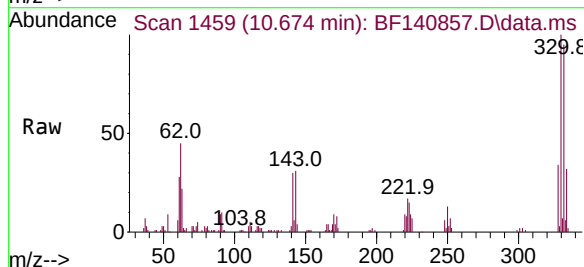
Instrument :
BNA_F
ClientSampleId :
SSTDIC010

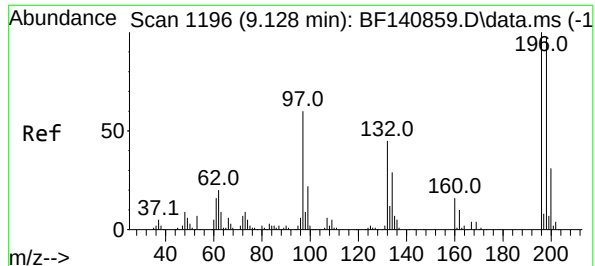
Tgt Ion:	237	Resp:	8781
Ion	Ratio	Lower	Upper
237	100		
235	63.1	43.7	83.7
272	12.5	0.0	32.9



#42
2,4,6-Tribromophenol
Concen: 19.954 ng
RT: 10.674 min Scan# 1459
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:	330	Resp:	45327
Ion	Ratio	Lower	Upper
330	100		
332	94.6	76.2	114.4
141	31.1	24.9	37.3





#43

2,4,6-Trichlorophenol

Concen: 9.006 ng

RT: 9.127 min Scan# 1196

Delta R.T. -0.000 min

Lab File: BF140857.D

Acq: 16 Dec 2024 13:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

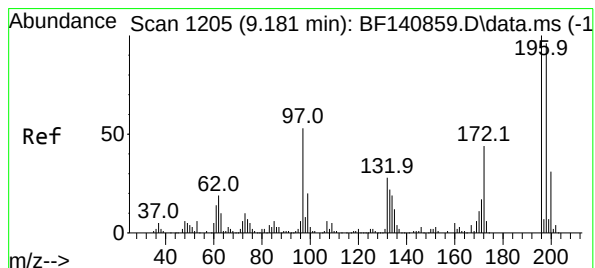
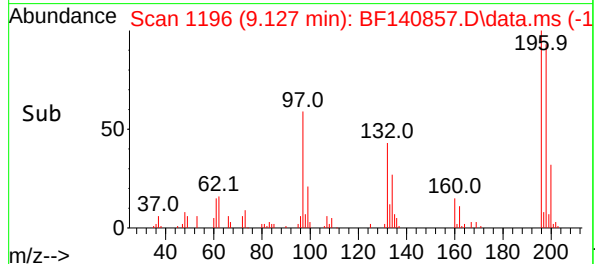
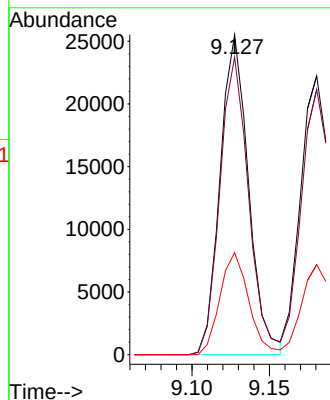
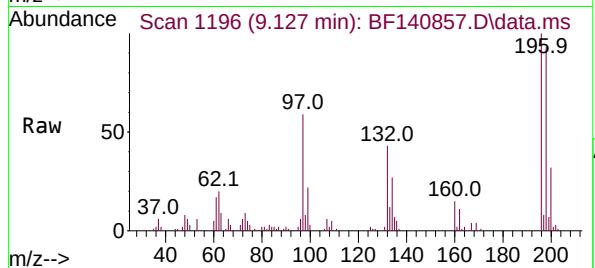
Tgt Ion:196 Resp: 32555

Ion Ratio Lower Upper

196 100

198 93.0 77.4 116.0

200 31.9 24.5 36.7



#44

2,4,5-Trichlorophenol

Concen: 8.817 ng

RT: 9.180 min Scan# 1205

Delta R.T. -0.000 min

Lab File: BF140857.D

Acq: 16 Dec 2024 13:05

Tgt Ion:196 Resp: 35030

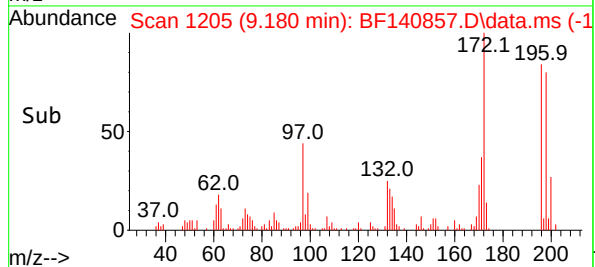
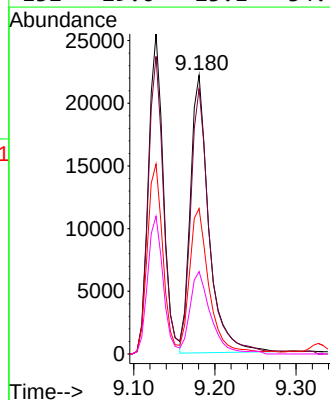
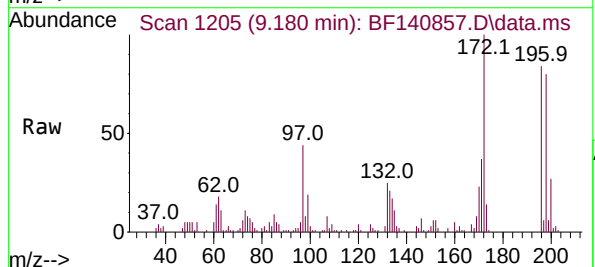
Ion Ratio Lower Upper

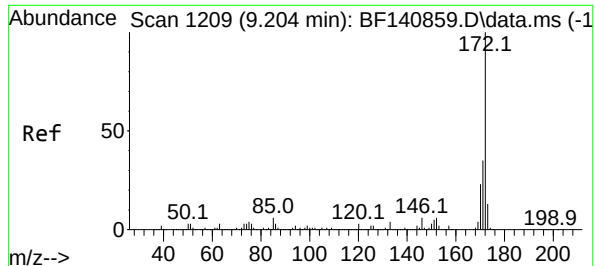
196 100

198 95.2 77.2 115.8

97 52.2 42.2 63.4

132 29.6 23.1 34.7





#45

2-Fluorobiphenyl

Concen: 19.381 ng

RT: 9.198 min Scan# 1208

Delta R.T. -0.006 min

Lab File: BF140857.D

Acq: 16 Dec 2024 13:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

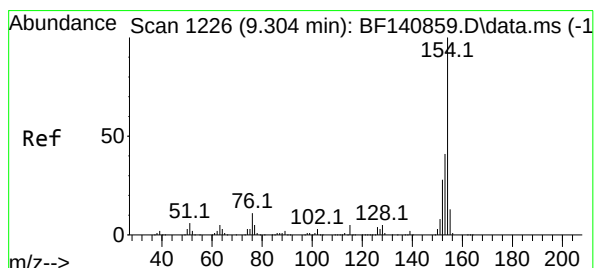
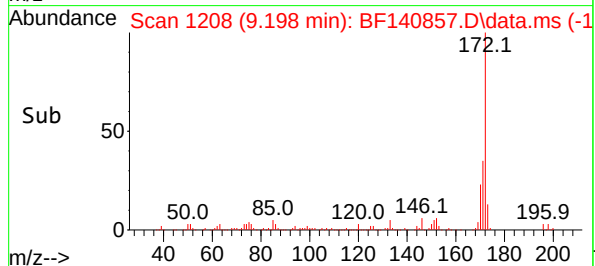
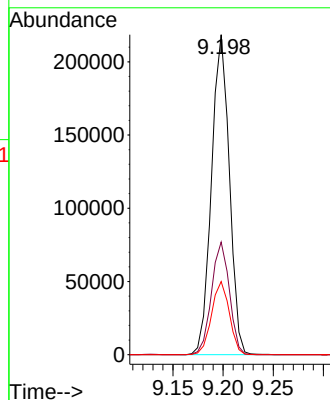
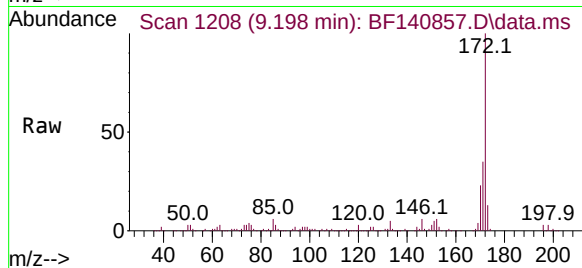
Tgt Ion:172 Resp: 270749

Ion Ratio Lower Upper

172 100

171 35.2 28.4 42.6

170 22.8 18.6 28.0



#46

1,1'-Biphenyl

Concen: 9.509 ng

RT: 9.298 min Scan# 1225

Delta R.T. -0.006 min

Lab File: BF140857.D

Acq: 16 Dec 2024 13:05

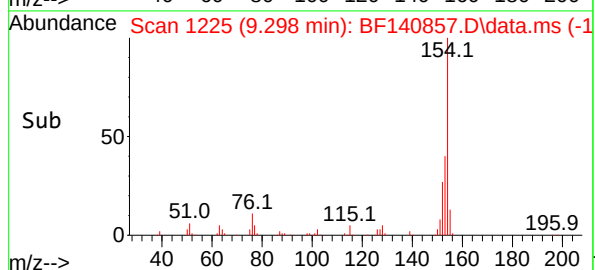
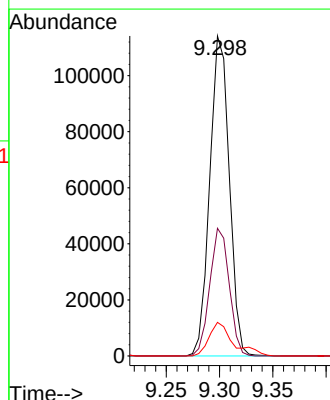
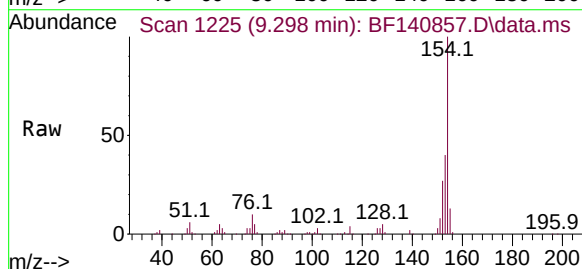
Tgt Ion:154 Resp: 145227

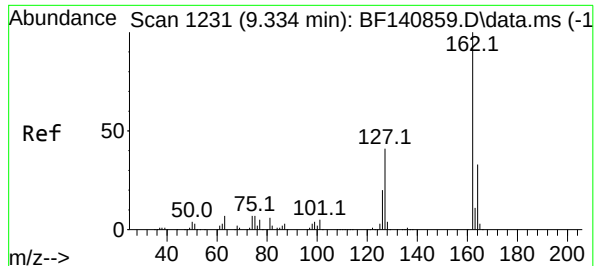
Ion Ratio Lower Upper

154 100

153 39.9 20.8 60.8

76 10.5 0.0 31.0





#47

2-Chloronaphthalene

Concen: 9.507 ng

RT: 9.327 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140857.D

Acq: 16 Dec 2024 13:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

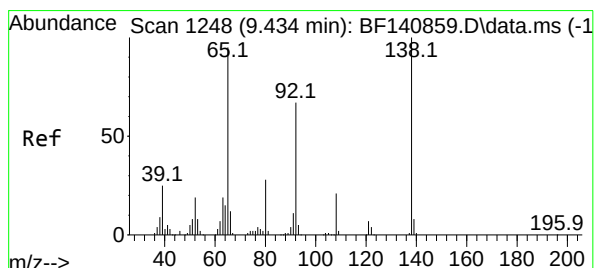
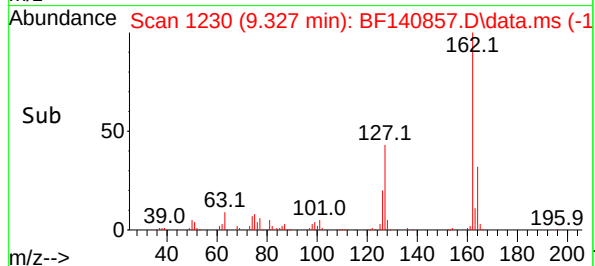
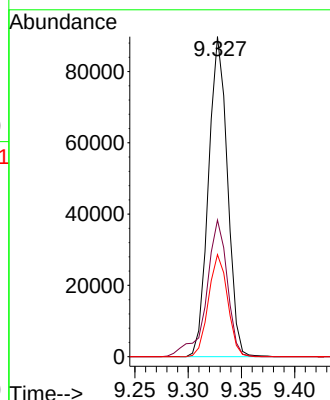
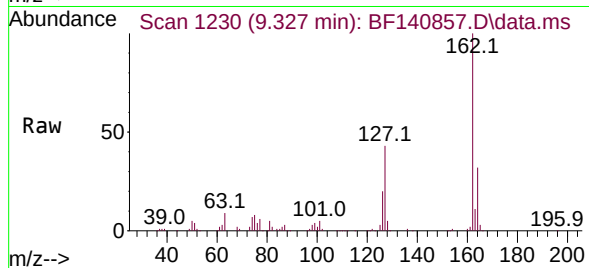
Tgt Ion:162 Resp: 111077

Ion Ratio Lower Upper

162 100

127 42.7 33.5 50.3

164 31.9 26.2 39.2



#48

2-Nitroaniline

Concen: 9.416 ng

RT: 9.433 min Scan# 1248

Delta R.T. -0.000 min

Lab File: BF140857.D

Acq: 16 Dec 2024 13:05

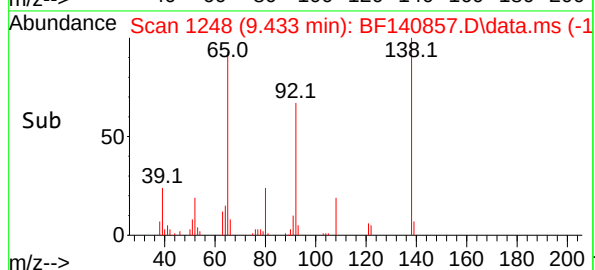
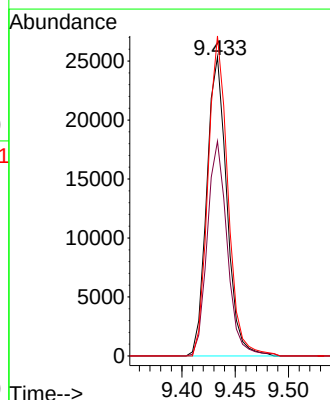
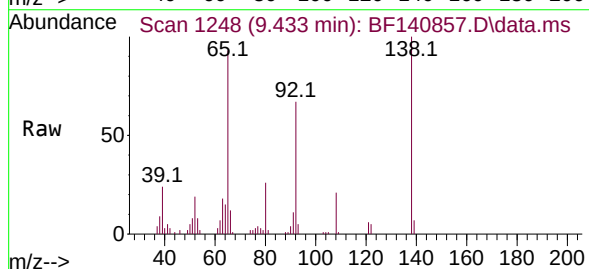
Tgt Ion: 65 Resp: 33225

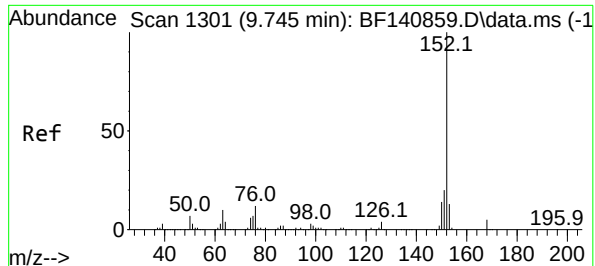
Ion Ratio Lower Upper

65 100

92 71.8 56.3 84.5

138 107.0 83.8 125.6





#49

Acenaphthylene

Concen: 10.187 ng

RT: 9.739 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140857.D

Acq: 16 Dec 2024 13:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

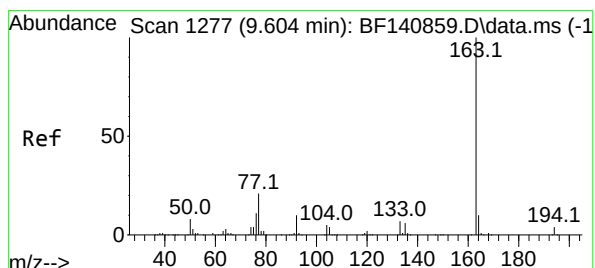
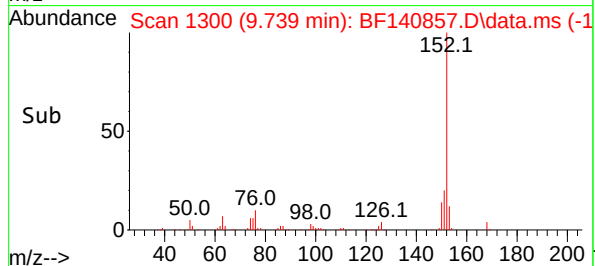
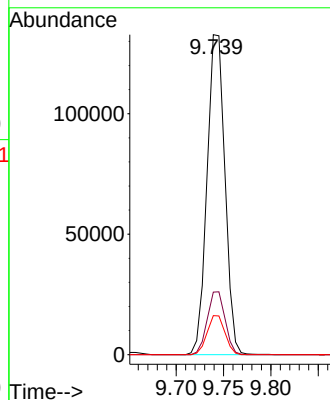
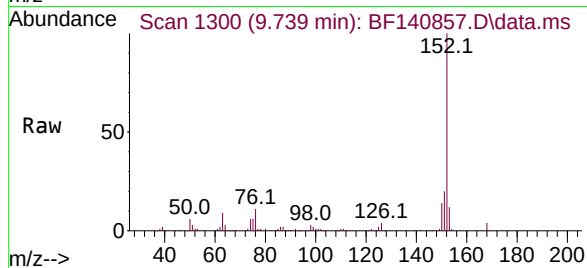
Tgt Ion:152 Resp: 174905

Ion Ratio Lower Upper

152 100

151 19.6 16.0 24.0

153 12.2 10.6 16.0



#50

Dimethylphthalate

Concen: 9.693 ng

RT: 9.598 min Scan# 1276

Delta R.T. -0.006 min

Lab File: BF140857.D

Acq: 16 Dec 2024 13:05

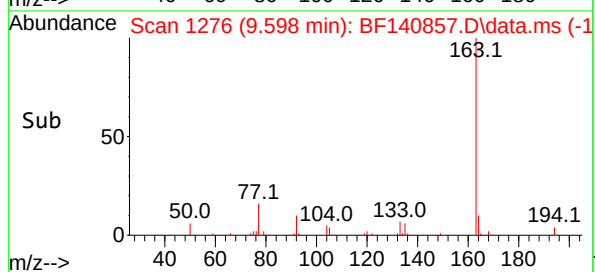
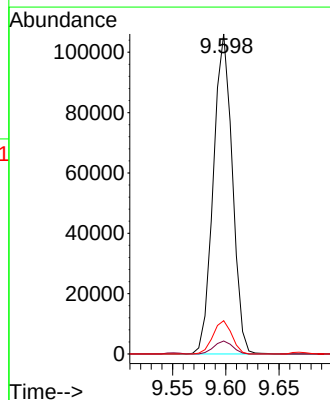
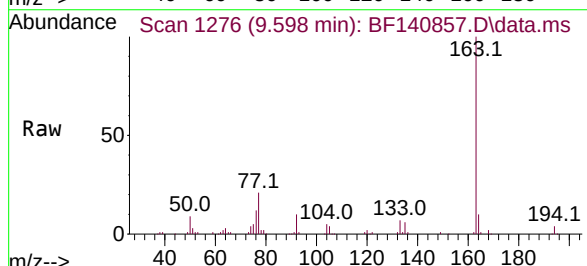
Tgt Ion:163 Resp: 131257

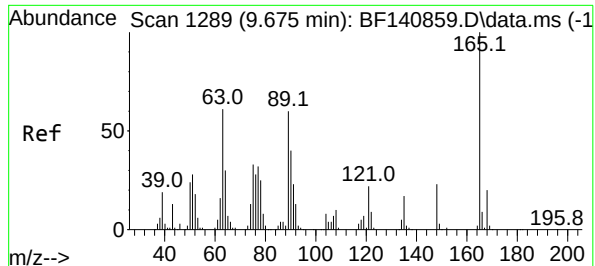
Ion Ratio Lower Upper

163 100

194 4.1 3.1 4.7

164 10.4 8.1 12.1





#51

2,6-Dinitrotoluene

Concen: 9.831 ng

RT: 9.669 min Scan# 1288

Delta R.T. -0.006 min

Lab File: BF140857.D

Acq: 16 Dec 2024 13:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

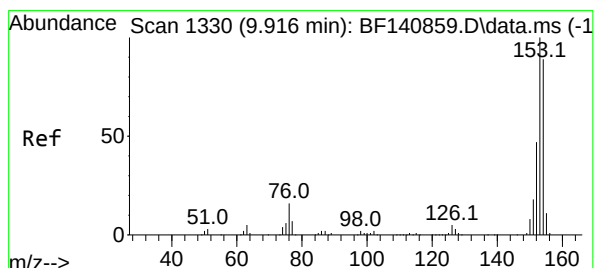
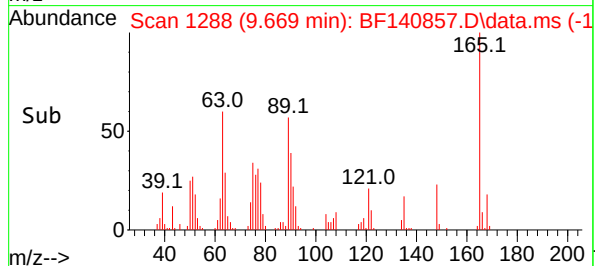
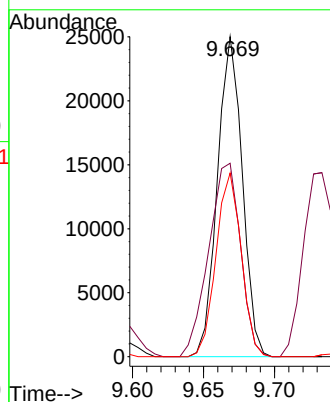
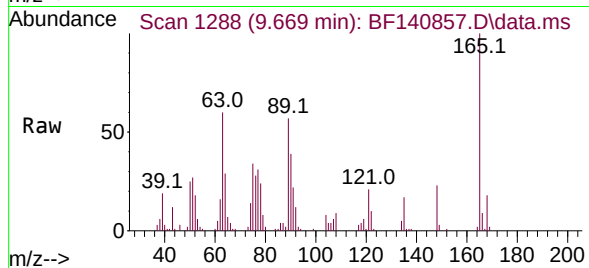
Tgt Ion:165 Resp: 30431

Ion Ratio Lower Upper

165 100

63 60.5 49.7 74.5

89 57.4 48.2 72.4



#52

Acenaphthene

Concen: 10.419 ng

RT: 9.916 min Scan# 1330

Delta R.T. -0.000 min

Lab File: BF140857.D

Acq: 16 Dec 2024 13:05

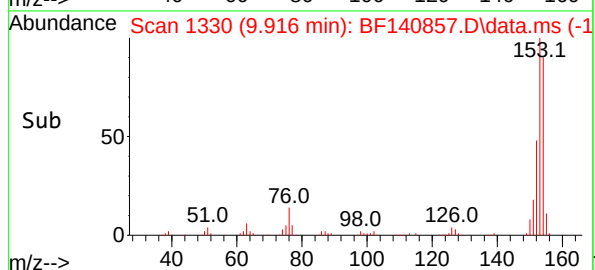
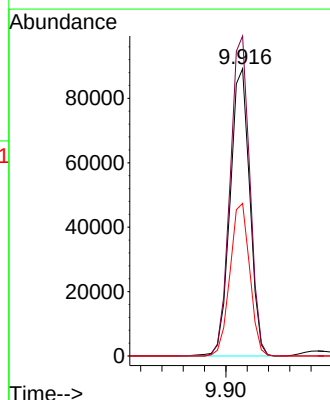
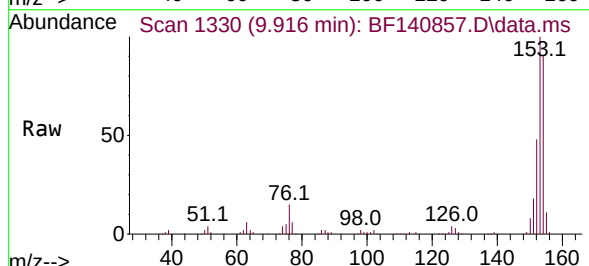
Tgt Ion:154 Resp: 114273

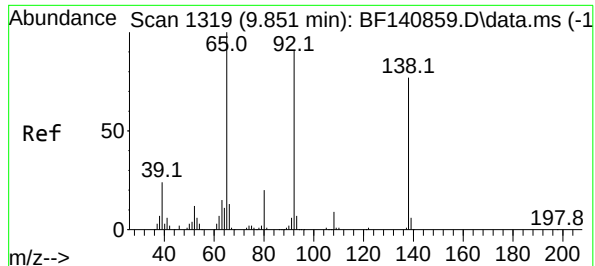
Ion Ratio Lower Upper

154 100

153 111.4 89.9 134.9

152 53.1 42.6 63.8

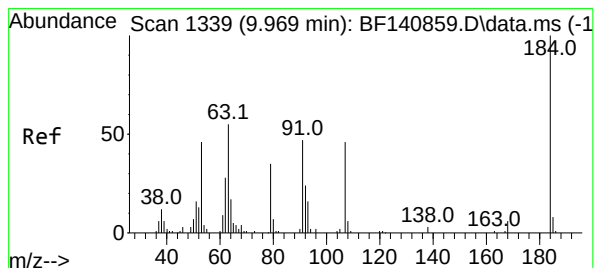
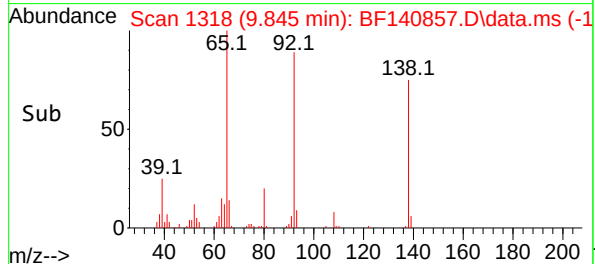
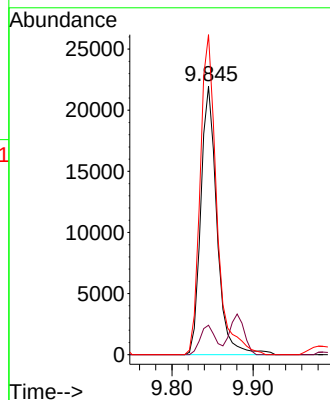
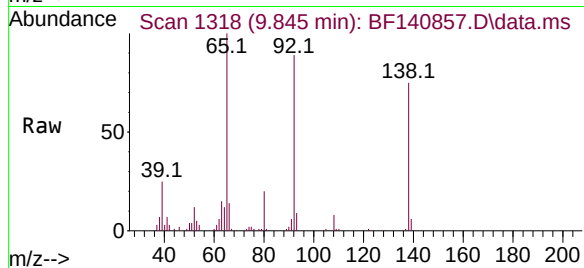




#53
3-Nitroaniline
Concen: 9.885 ng
RT: 9.845 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

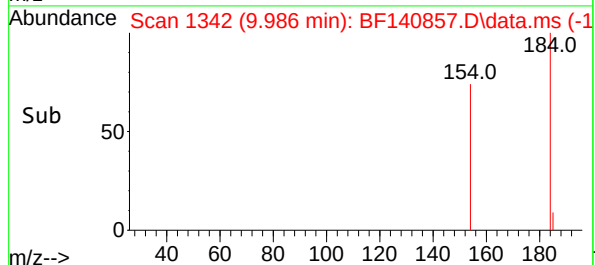
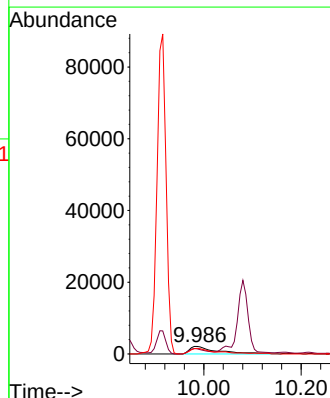
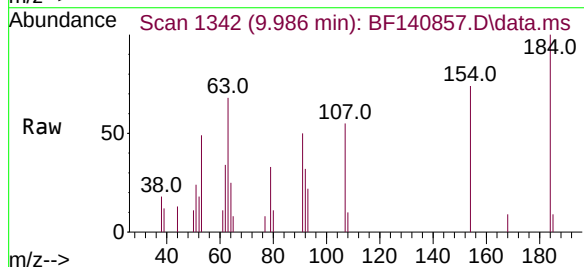
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

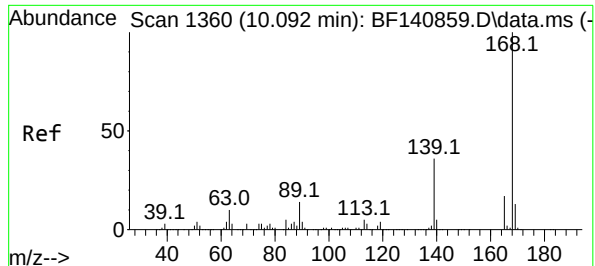
Tgt Ion:138 Resp: 30367
Ion Ratio Lower Upper
138 100
108 11.0 9.0 13.4
92 119.2 95.5 143.3



#54
2,4-Dinitrophenol
Concen: 11.701 ng
RT: 9.986 min Scan# 1342
Delta R.T. 0.017 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:184 Resp: 8488
Ion Ratio Lower Upper
184 100
63 67.8 51.6 77.4
154 74.2 56.1 84.1





#55

Dibenzofuran

Concen: 10.598 ng

RT: 10.086 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140857.D

Acq: 16 Dec 2024 13:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

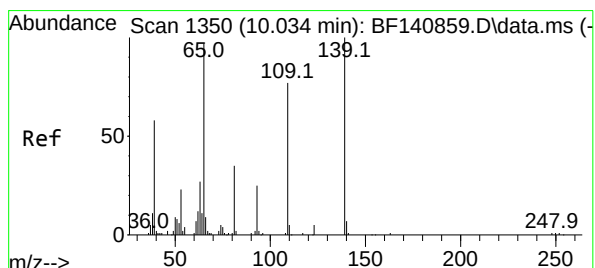
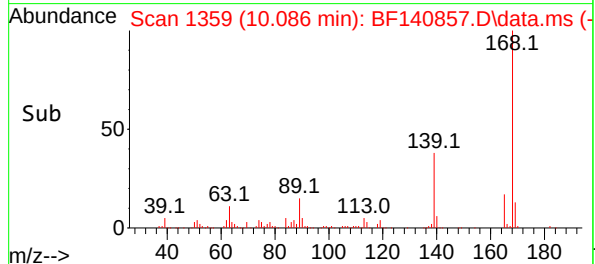
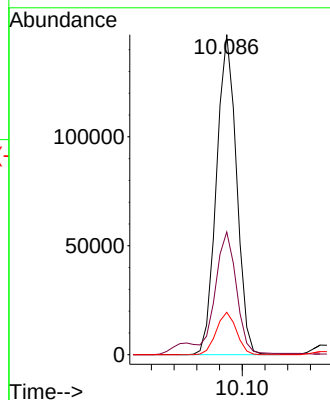
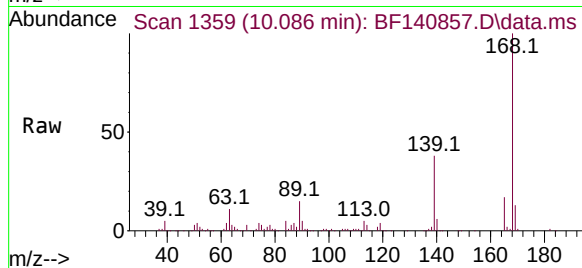
Tgt Ion:168 Resp: 180108

Ion Ratio Lower Upper

168 100

139 38.3 31.1 46.7

169 13.3 10.6 16.0



#56

4-Nitrophenol

Concen: 9.461 ng m

RT: 10.051 min Scan# 1353

Delta R.T. 0.017 min

Lab File: BF140857.D

Acq: 16 Dec 2024 13:05

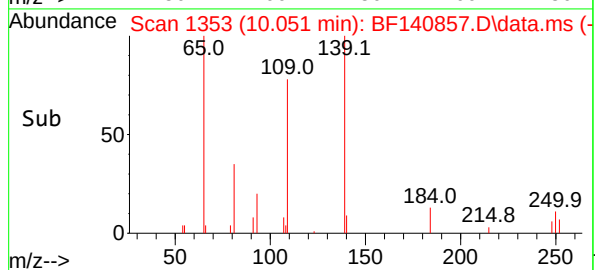
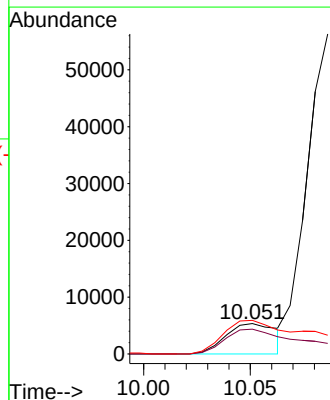
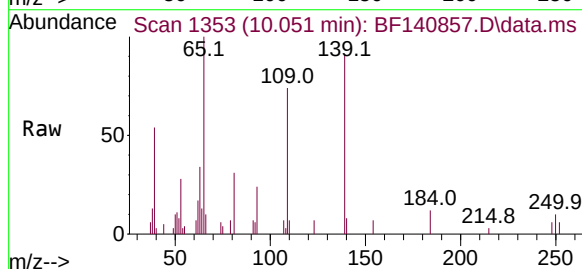
Tgt Ion:139 Resp: 8781

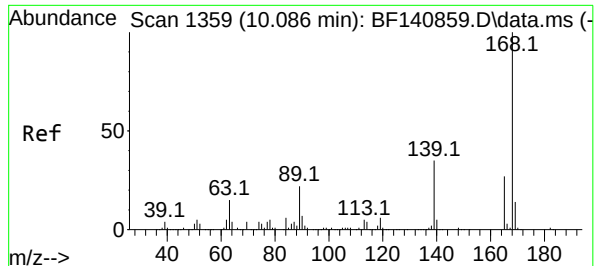
Ion Ratio Lower Upper

139 100

109 81.7 56.7 96.7

65 110.3 78.1 118.1

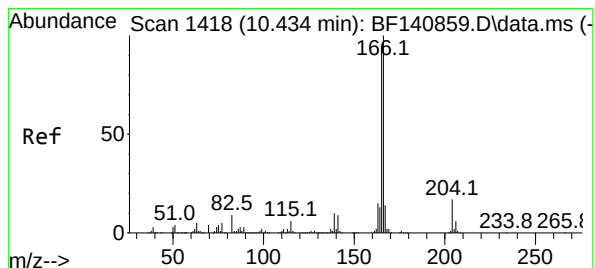
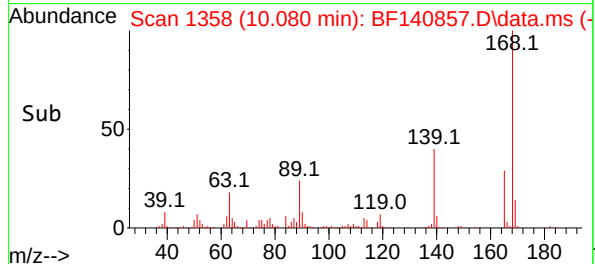
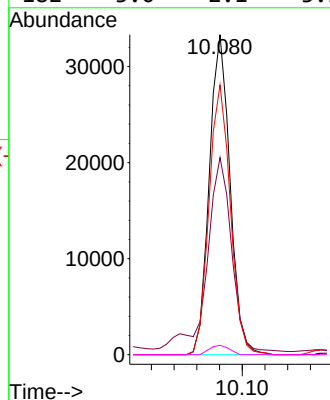
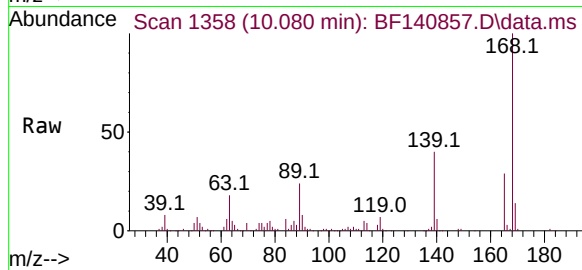




#57
2,4-Dinitrotoluene
Concen: 10.339 ng
RT: 10.080 min Scan# 1359
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

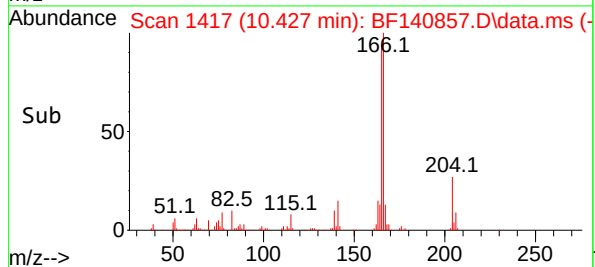
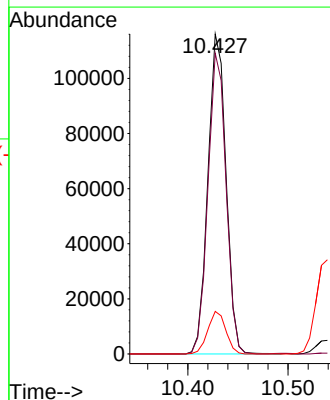
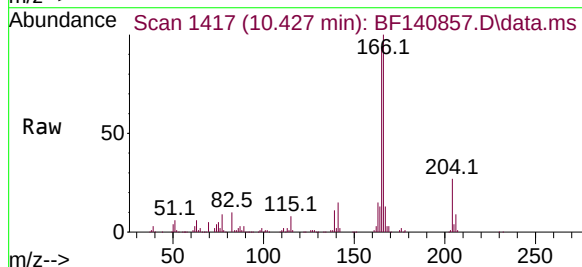
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

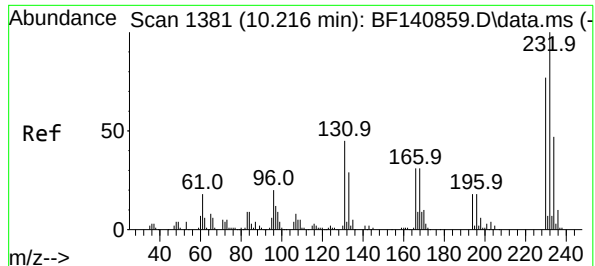
Tgt Ion:165 Resp: 42109
Ion Ratio Lower Upper
165 100
63 61.6 49.3 73.9
89 84.3 66.2 99.4
182 3.0 2.1 3.1



#58
Fluorene
Concen: 10.424 ng
RT: 10.427 min Scan# 1417
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:166 Resp: 146155
Ion Ratio Lower Upper
166 100
165 93.9 75.1 112.7
167 13.3 11.1 16.7

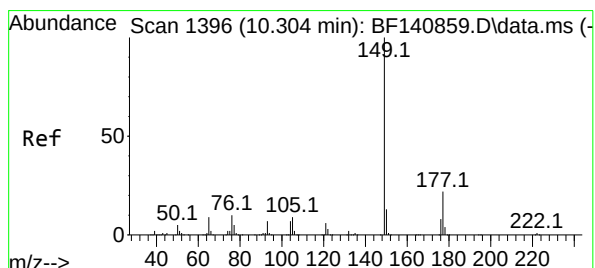
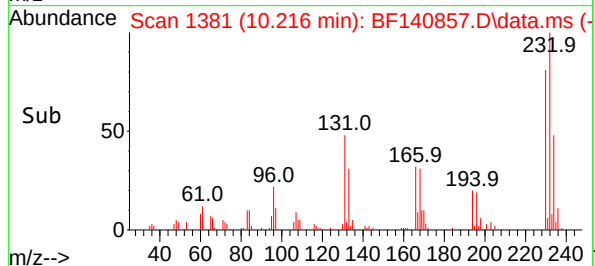
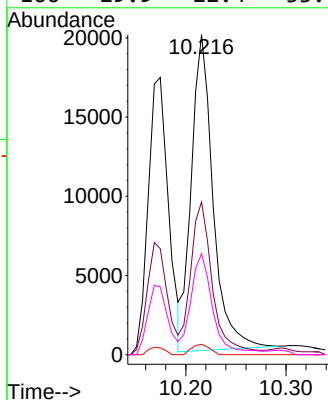
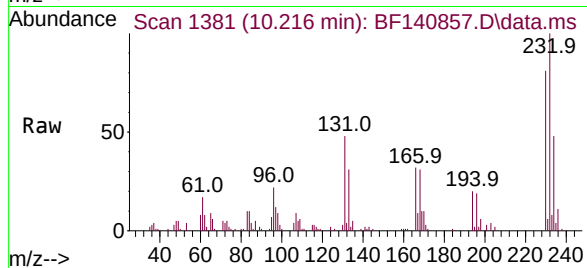




#59
2,3,4,6-Tetrachlorophenol
Concen: 9.251 ng
RT: 10.216 min Scan# 1381
Delta R.T. -0.000 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

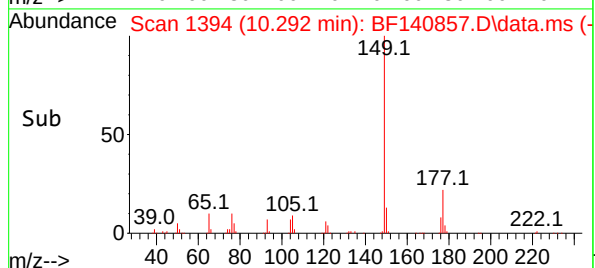
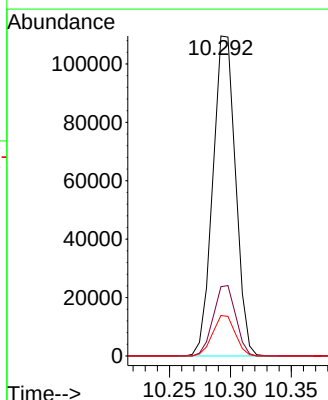
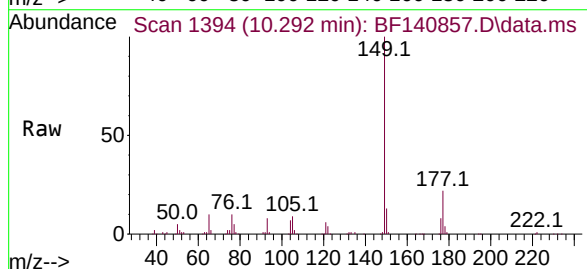
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

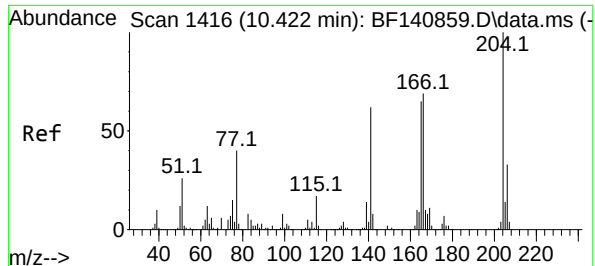
Tgt Ion:232 Resp: 29950
Ion Ratio Lower Upper
232 100
131 48.8 35.1 52.7
130 2.7 1.8 2.8
166 29.9 22.4 33.6



#60
Diethylphthalate
Concen: 10.147 ng
RT: 10.292 min Scan# 1394
Delta R.T. -0.012 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:149 Resp: 142484
Ion Ratio Lower Upper
149 100
177 21.7 17.2 25.8
150 12.7 10.1 15.1

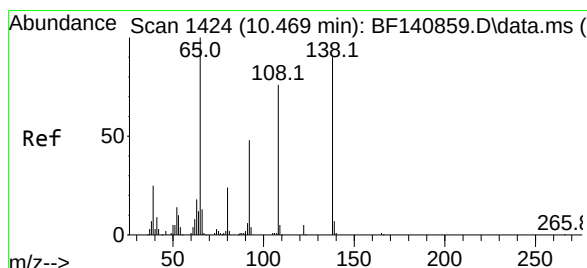
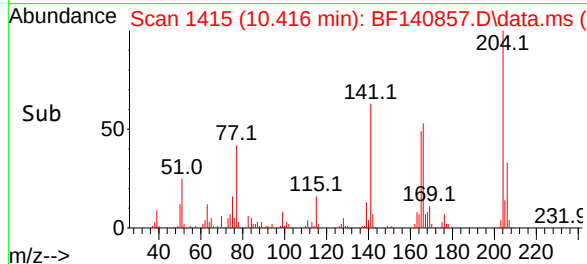
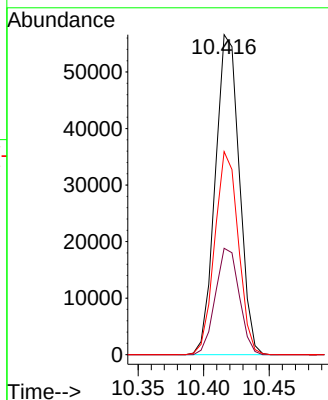
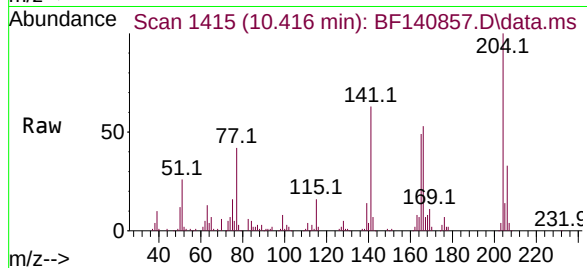




#61
4-Chlorophenyl-phenylether
Concen: 10.224 ng
RT: 10.416 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

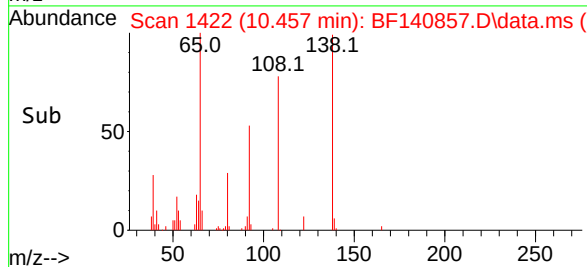
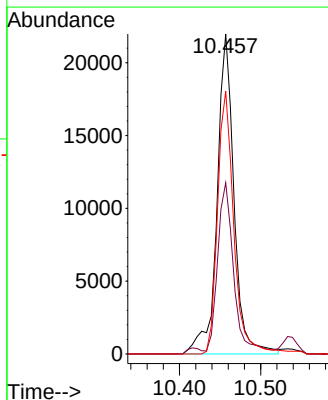
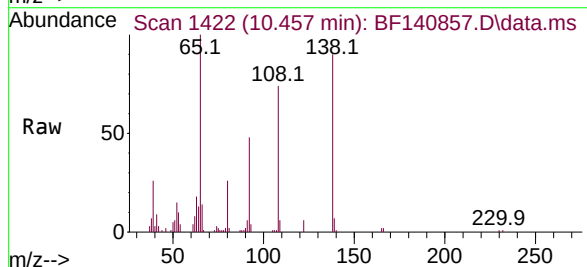
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

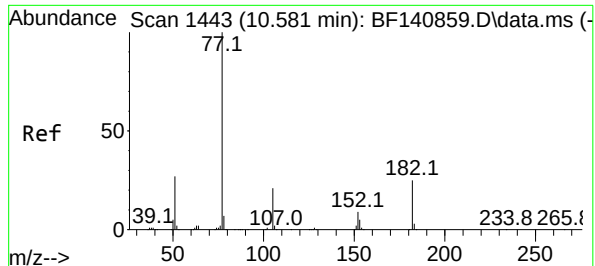
Tgt Ion:204 Resp: 72010
Ion Ratio Lower Upper
204 100
206 33.3 26.5 39.7
141 63.4 50.0 75.0



#62
4-Nitroaniline
Concen: 9.956 ng
RT: 10.457 min Scan# 1422
Delta R.T. -0.012 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:138 Resp: 31962
Ion Ratio Lower Upper
138 100
92 53.5 32.6 72.6
108 82.1 64.1 104.1

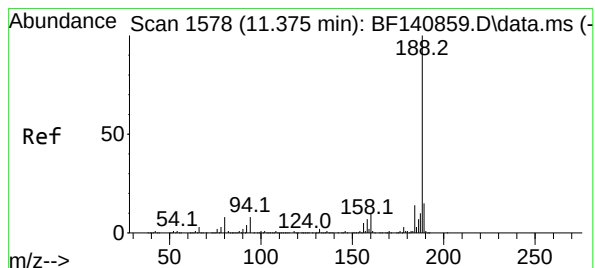
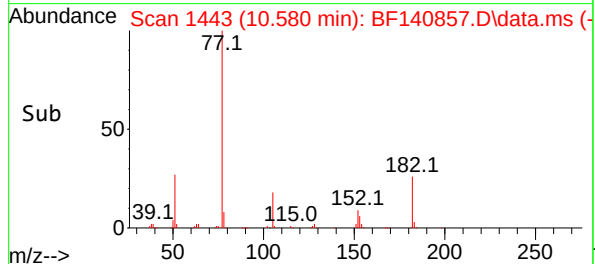
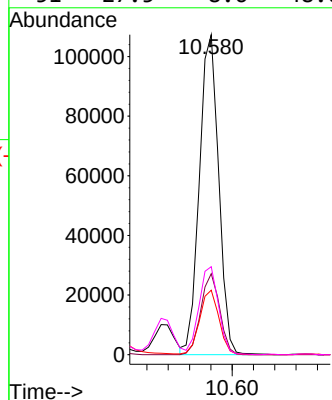
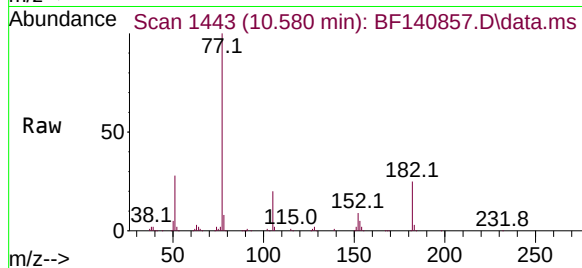




#63
Azobenzene
Concen: 10.267 ng
RT: 10.580 min Scan# 1443
Delta R.T. -0.000 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

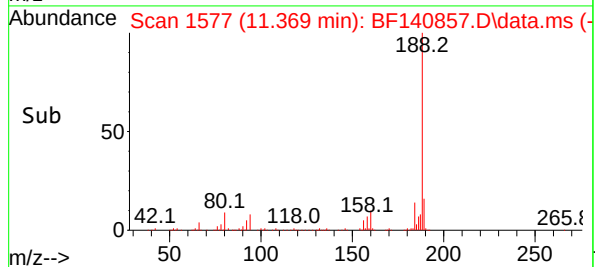
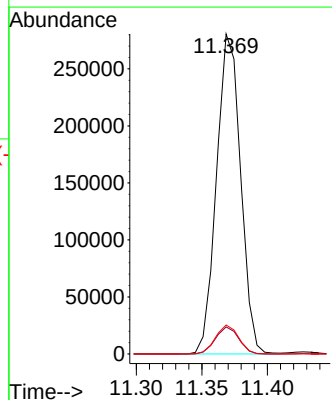
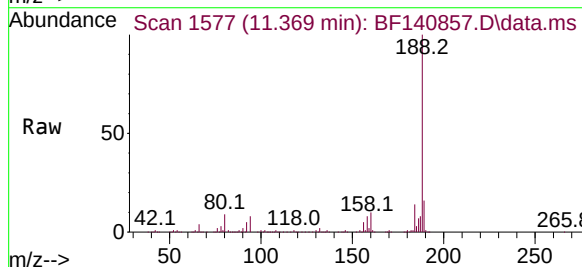
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

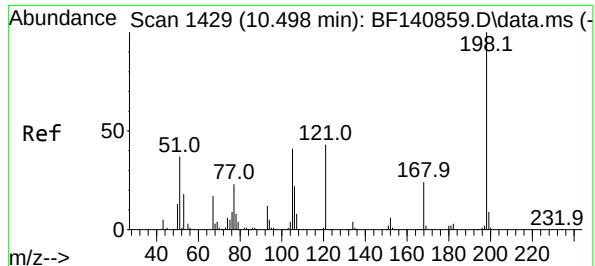
Tgt Ion: 77	Resp: 135524
Ion Ratio	Lower Upper
77 100	
182 25.3	4.5 44.5
105 20.1	0.9 40.9
51 27.5	8.6 48.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion: 188	Resp: 358020
Ion Ratio	Lower Upper
188 100	
94 8.5	6.4 9.6
80 9.1	6.8 10.2

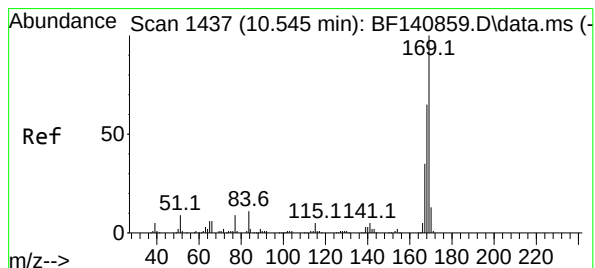
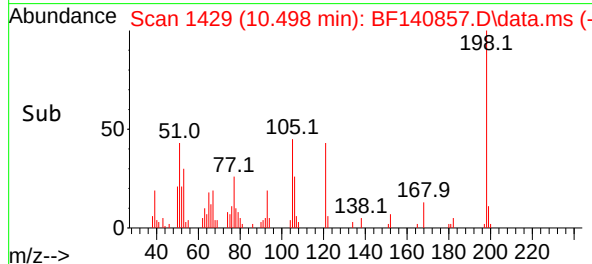
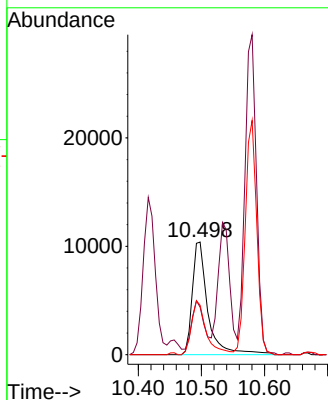
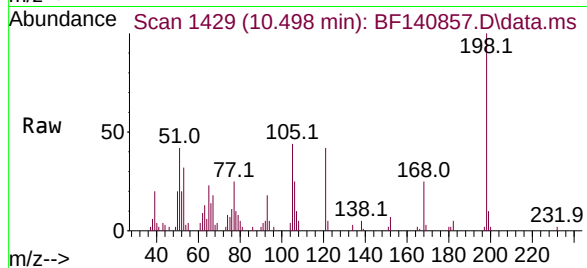




#65
4,6-Dinitro-2-methylphenol
Concen: 8.752 ng
RT: 10.498 min Scan# 1429
Delta R.T. -0.000 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

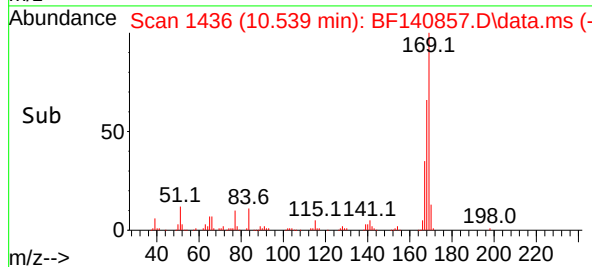
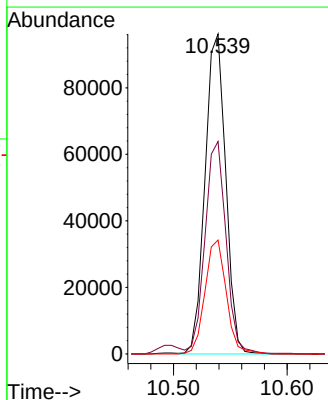
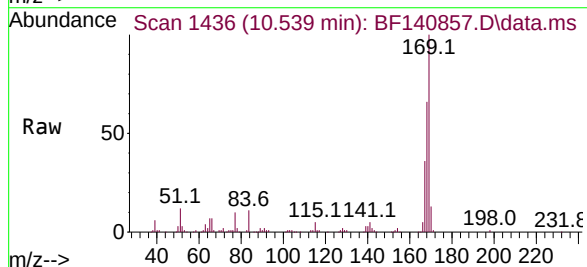
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

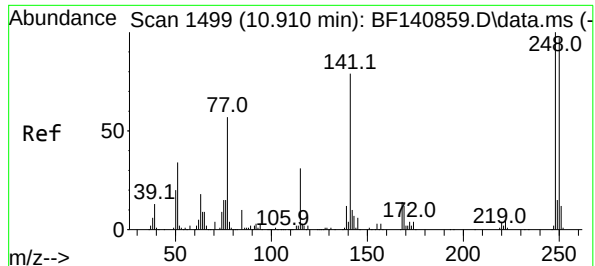
Tgt Ion	Ratio	Lower	Upper
198	100		
51	42.2	24.4	64.4
105	43.9	22.1	62.1



#66
n-Nitrosodiphenylamine
Concen: 11.038 ng
RT: 10.539 min Scan# 1436
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion	Ratio	Lower	Upper
169	100		
168	66.4	53.4	80.0
167	35.6	28.3	42.5

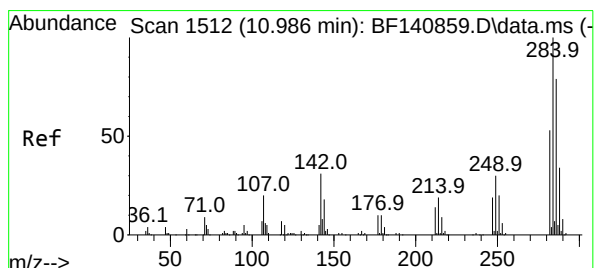
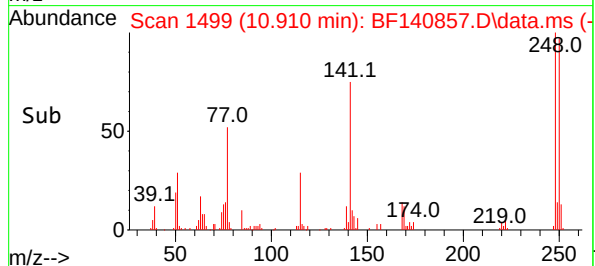
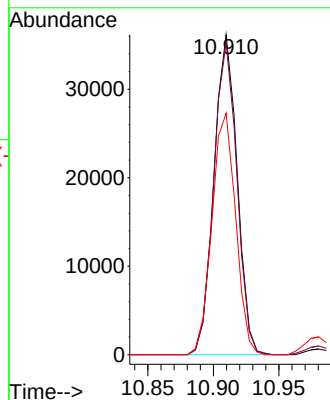
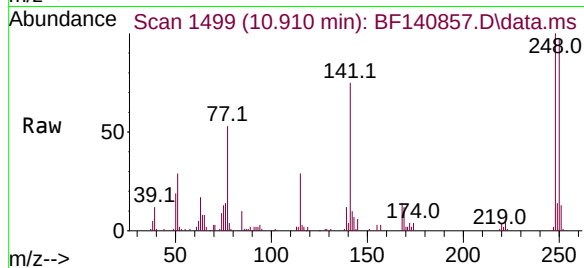




#67
4-Bromophenyl-phenylether
Concen: 11.082 ng
RT: 10.910 min Scan# 1499
Delta R.T. -0.000 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

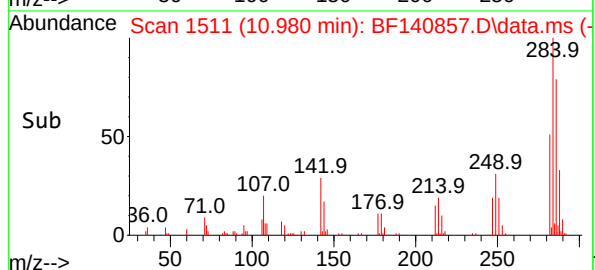
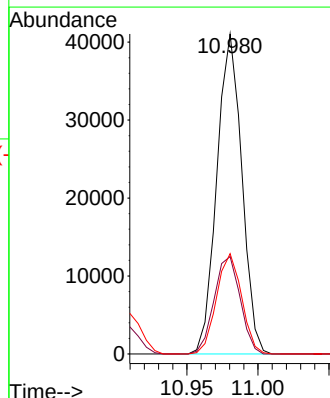
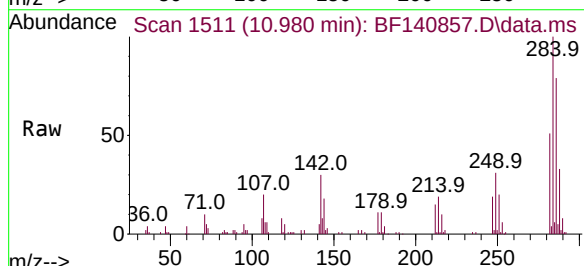
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

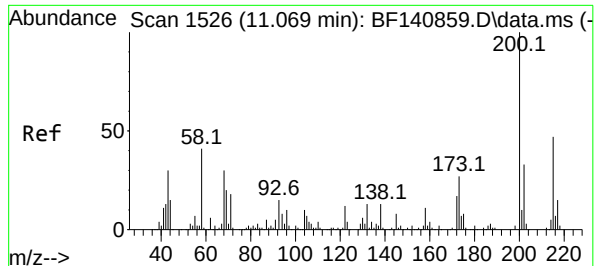
Tgt Ion:248 Resp: 44385
Ion Ratio Lower Upper
248 100
250 97.4 77.4 116.2
141 75.5 62.9 94.3



#68
Hexachlorobenzene
Concen: 11.040 ng
RT: 10.980 min Scan# 1511
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:284 Resp: 50135
Ion Ratio Lower Upper
284 100
142 30.4 24.6 36.8
249 31.3 24.3 36.5





#69

Atrazine

Concen: 11.864 ng

RT: 11.063 min Scan# 1525

Delta R.T. -0.006 min

Lab File: BF140857.D

Acq: 16 Dec 2024 13:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

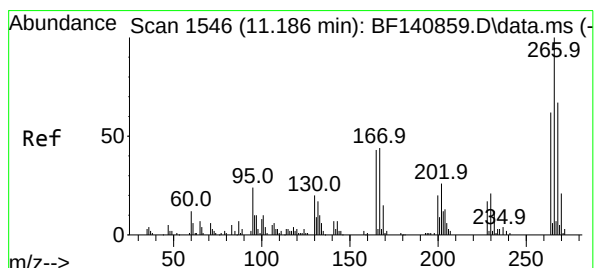
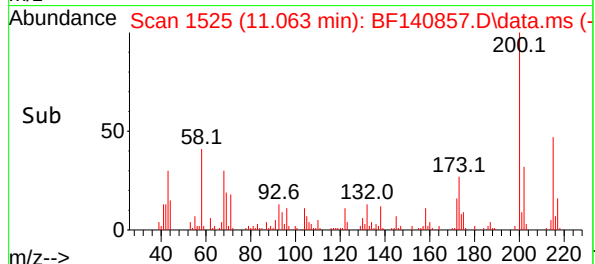
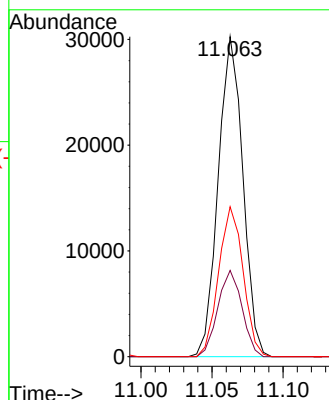
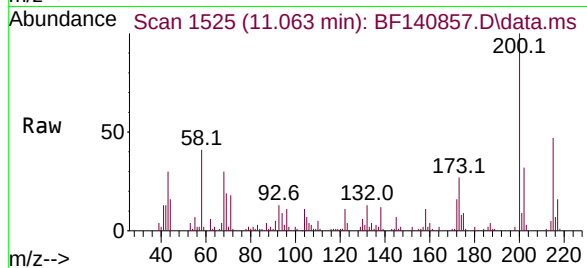
Tgt Ion:200 Resp: 36472

Ion Ratio Lower Upper

200 100

173 26.9 6.6 46.6

215 46.8 26.7 66.7



#70

Pentachlorophenol

Concen: 6.725 ng m

RT: 11.192 min Scan# 1547

Delta R.T. 0.006 min

Lab File: BF140857.D

Acq: 16 Dec 2024 13:05

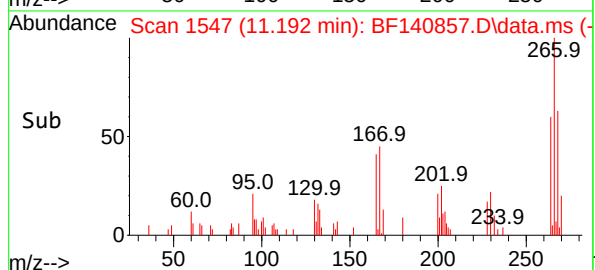
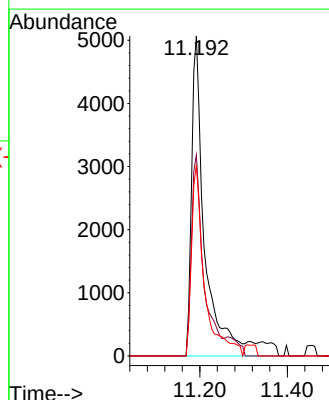
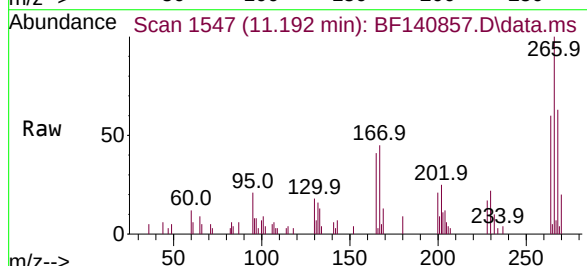
Tgt Ion:266 Resp: 11171

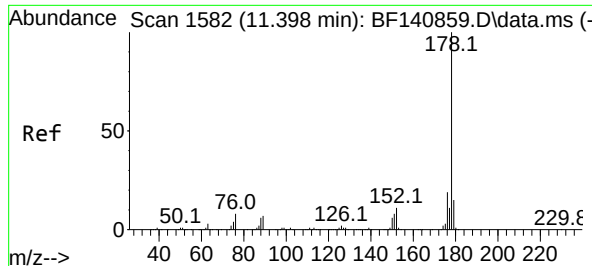
Ion Ratio Lower Upper

266 100

268 62.8 54.0 81.0

264 59.7 49.4 74.2

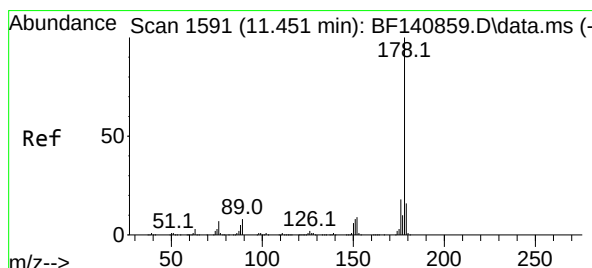
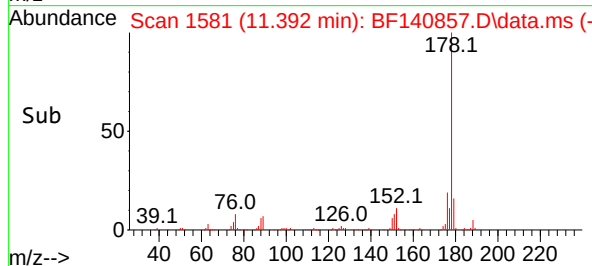
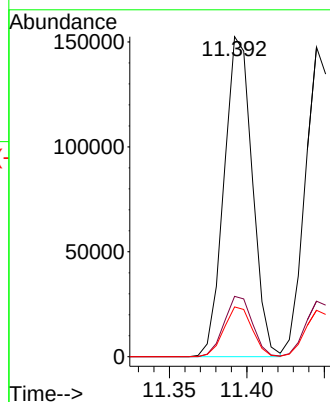
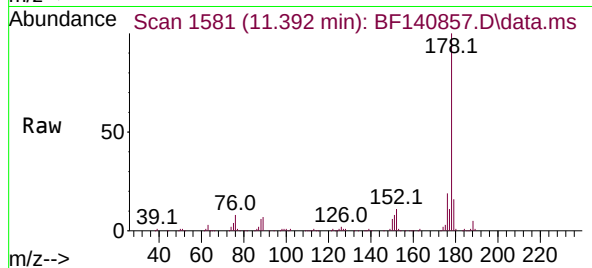




#71
Phenanthrene
Concen: 10.510 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

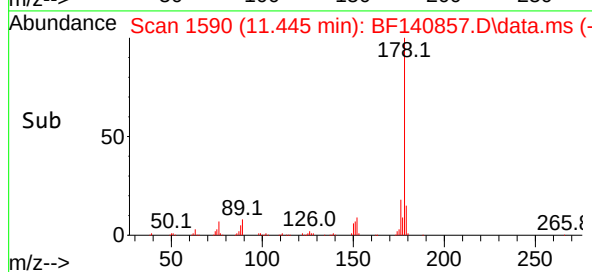
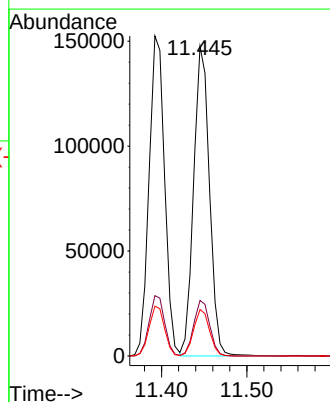
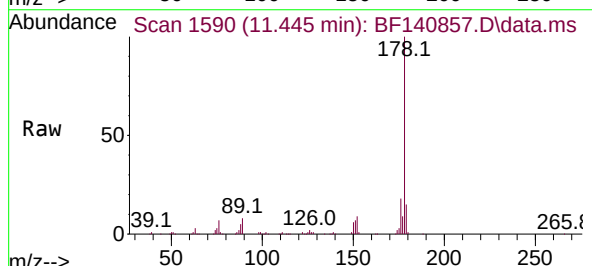
Instrument :
BNA_F
ClientSampleId :
SSTDIC010

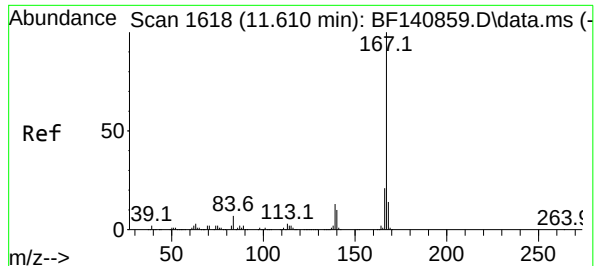
Tgt Ion:178 Resp: 193504
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.2
179 15.6 12.1 18.1



#72
Anthracene
Concen: 10.502 ng
RT: 11.445 min Scan# 1590
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:178 Resp: 190407
Ion Ratio Lower Upper
178 100
176 18.0 14.6 22.0
179 15.0 12.6 18.8

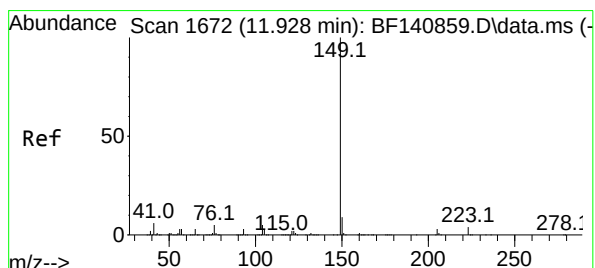
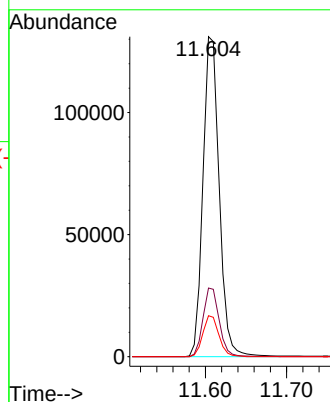
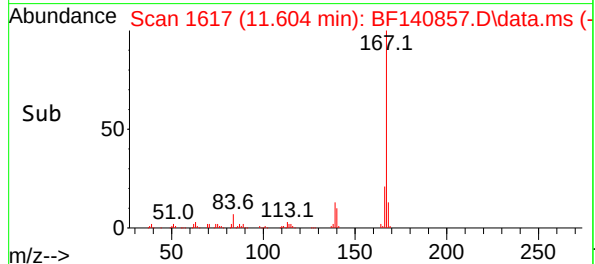
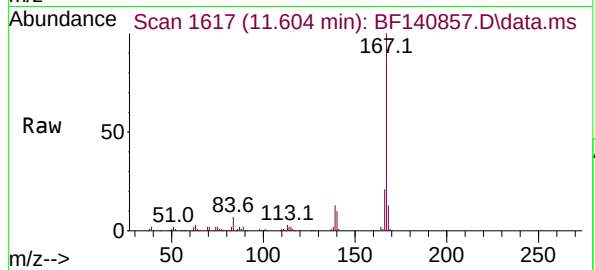




#73
Carbazole
Concen: 10.259 ng
RT: 11.604 min Scan# 1617
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

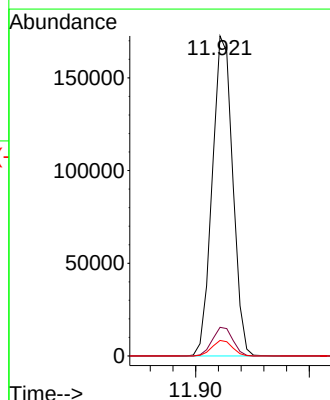
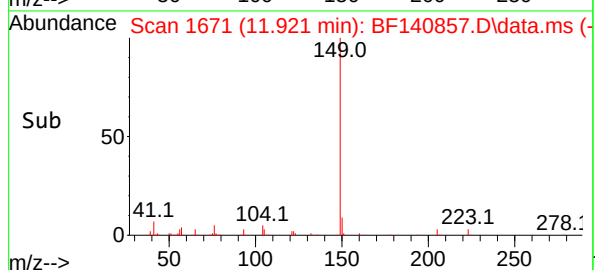
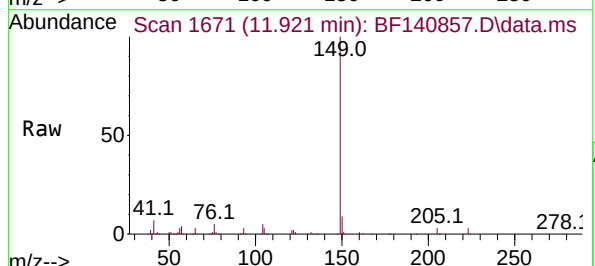
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

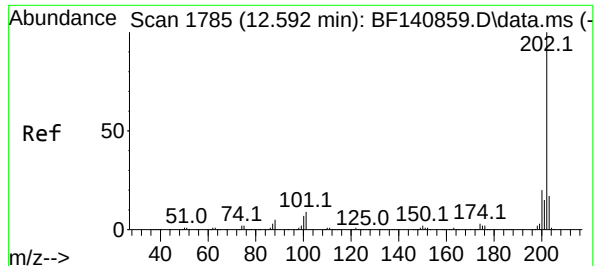
Tgt Ion:167 Resp: 182199
Ion Ratio Lower Upper
167 100
166 21.4 17.0 25.6
139 12.8 10.2 15.2



#74
Di-n-butylphthalate
Concen: 10.359 ng
RT: 11.921 min Scan# 1671
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:149 Resp: 215903
Ion Ratio Lower Upper
149 100
150 9.0 7.5 11.3
104 4.9 3.8 5.8

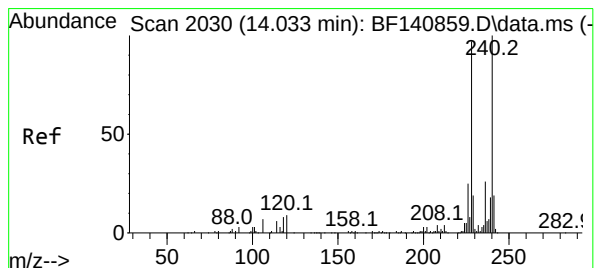
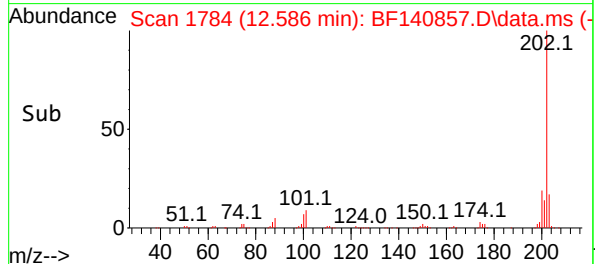
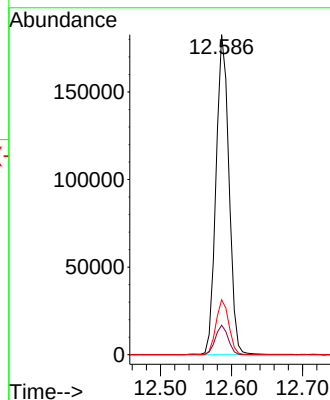
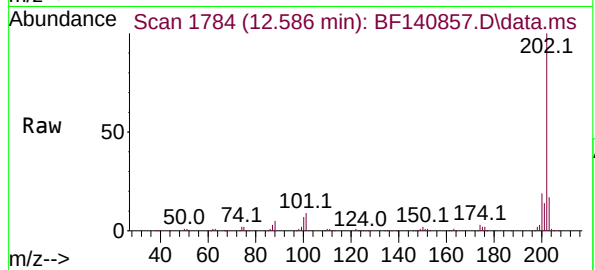




#75
Fluoranthene
Concen: 10.896 ng
RT: 12.586 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

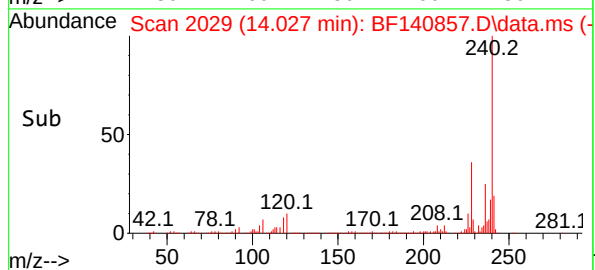
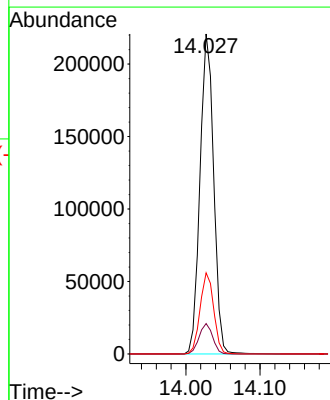
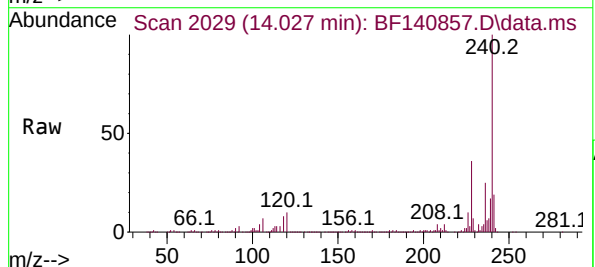
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

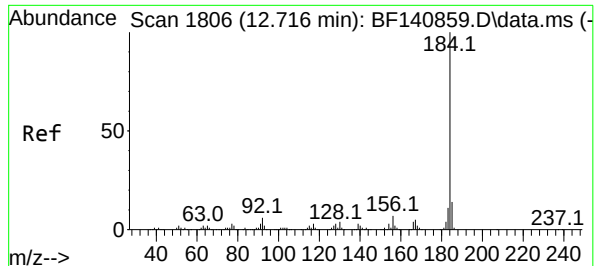
Tgt Ion:202 Resp: 231038
Ion Ratio Lower Upper
202 100
101 9.2 0.0 29.3
203 17.1 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:240 Resp: 282501
Ion Ratio Lower Upper
240 100
120 9.5 7.6 11.4
236 25.3 20.5 30.7

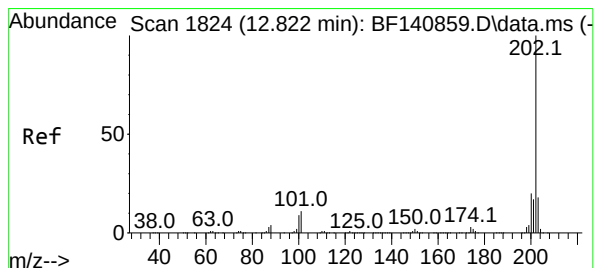
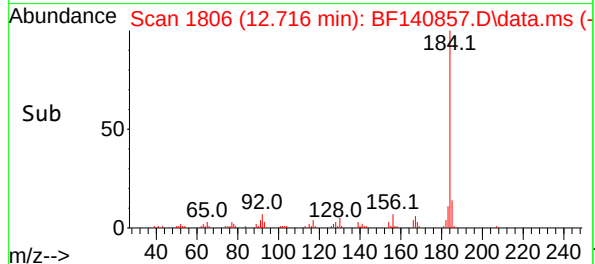
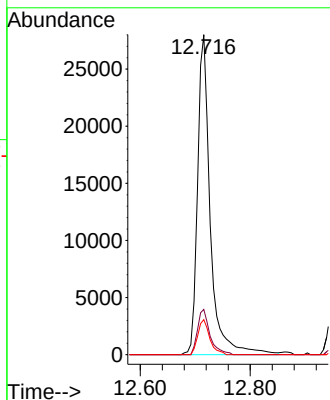
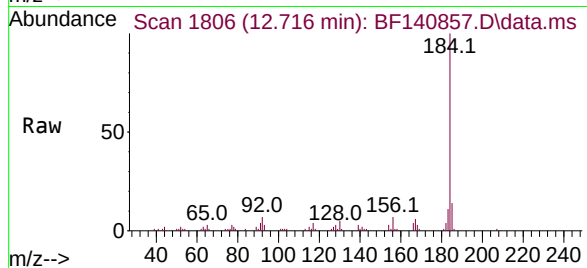




#77
Benzidine
Concen: 7.818 ng
RT: 12.716 min Scan# 1806
Delta R.T. -0.000 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

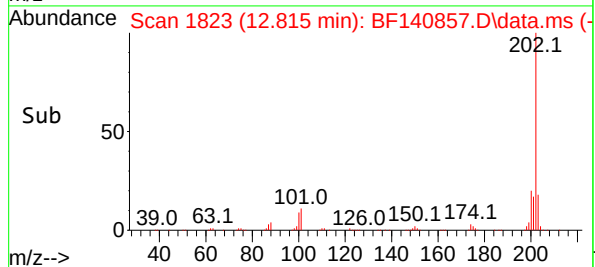
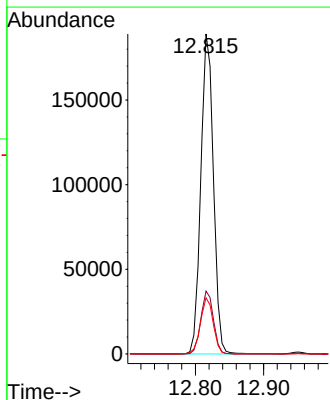
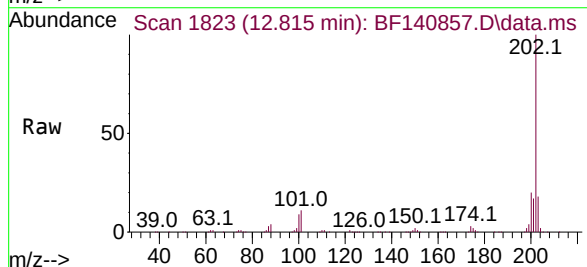
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

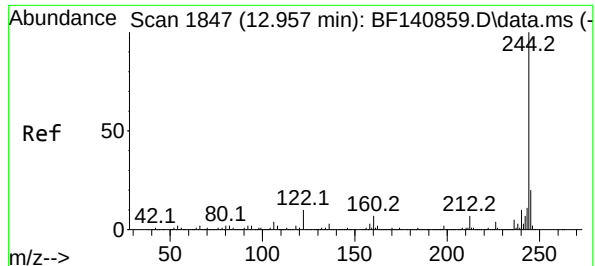
Tgt Ion:184 Resp: 45074
Ion Ratio Lower Upper
184 100
185 14.1 11.1 16.7
183 11.0 9.0 13.4



#78
Pyrene
Concen: 9.663 ng
RT: 12.815 min Scan# 1823
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:202 Resp: 242761
Ion Ratio Lower Upper
202 100
200 19.6 16.1 24.1
203 17.5 14.2 21.4





#79

Terphenyl-d14

Concen: 19.670 ng

RT: 12.951 min Scan# 1846

Delta R.T. -0.006 min

Lab File: BF140857.D

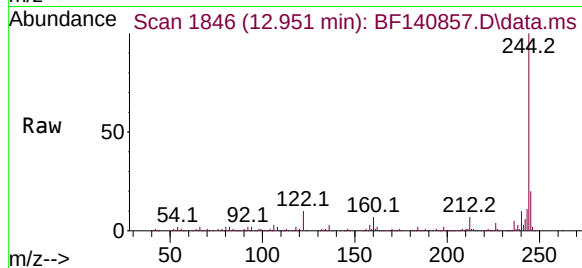
Acq: 16 Dec 2024 13:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC010



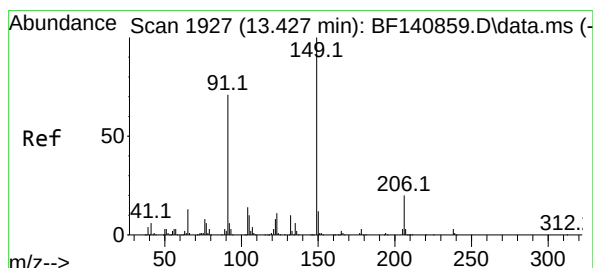
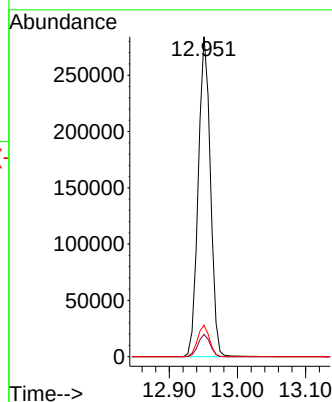
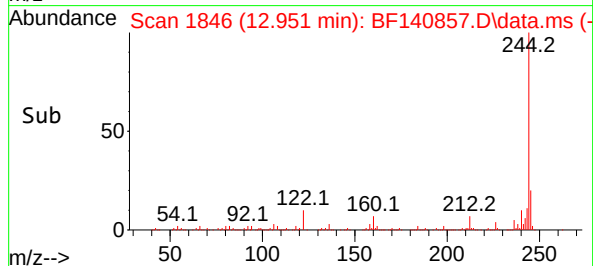
Tgt Ion:244 Resp: 352398

Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

122 9.8 8.2 12.2



#80

Butylbenzylphthalate

Concen: 9.411 ng

RT: 13.427 min Scan# 1927

Delta R.T. -0.000 min

Lab File: BF140857.D

Acq: 16 Dec 2024 13:05

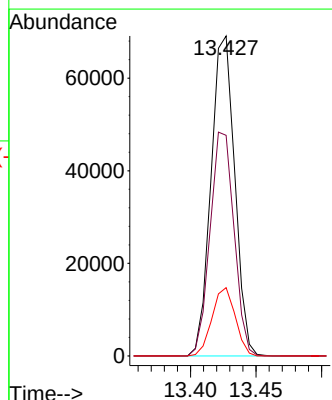
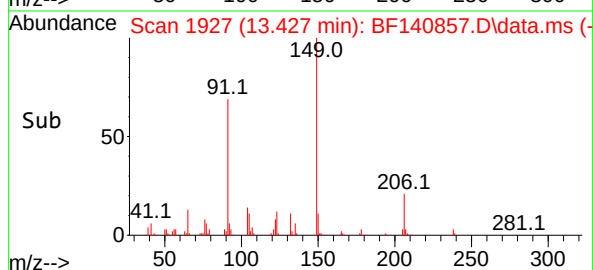
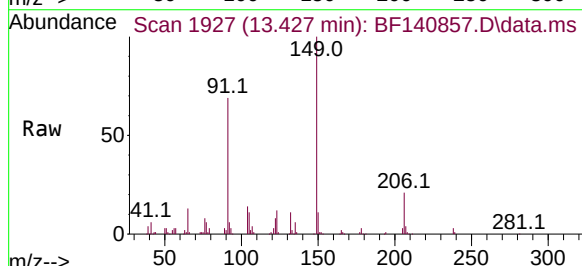
Tgt Ion:149 Resp: 86987

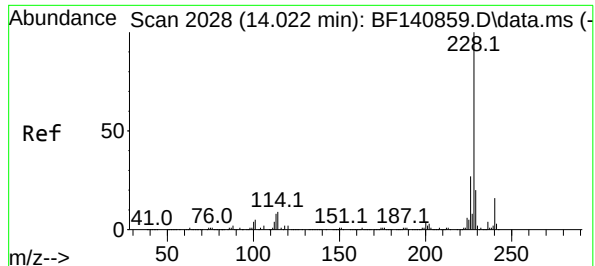
Ion Ratio Lower Upper

149 100

91 69.0 56.7 85.1

206 21.4 16.4 24.6

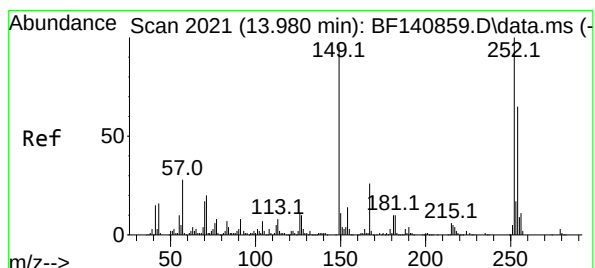
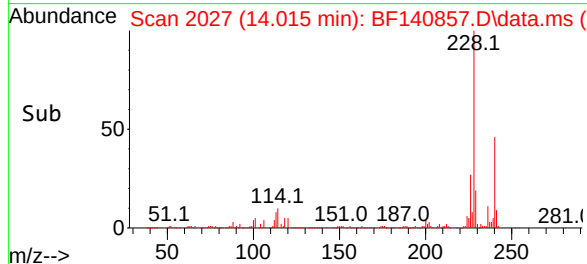
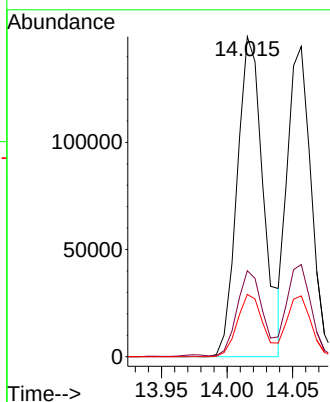
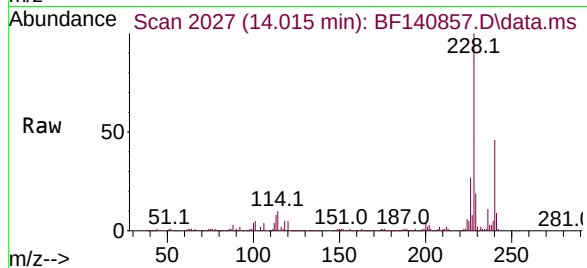




#81
Benzo(a)anthracene
Concen: 10.395 ng
RT: 14.015 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

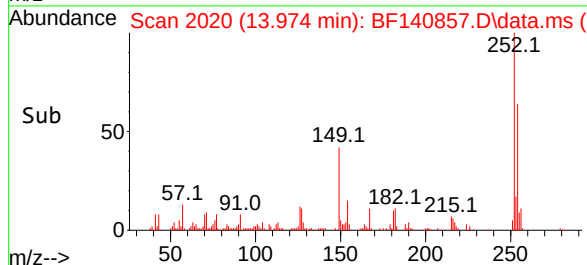
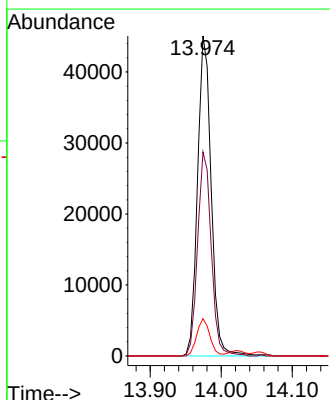
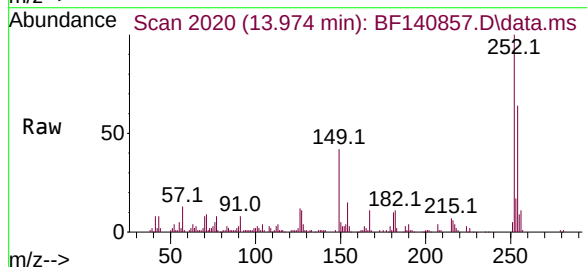
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

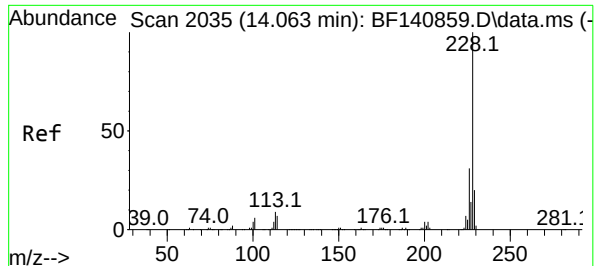
Tgt Ion:228 Resp: 208127
Ion Ratio Lower Upper
228 100
226 26.9 21.8 32.8
229 19.5 15.8 23.8



#82
3,3'-Dichlorobenzidine
Concen: 9.994 ng
RT: 13.974 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion:252 Resp: 60368
Ion Ratio Lower Upper
252 100
254 63.7 52.3 78.5
126 11.7 8.4 12.6





#83

Chrysene

Concen: 9.963 ng

RT: 14.057 min Scan# 2034

Delta R.T. -0.006 min

Lab File: BF140857.D

Acq: 16 Dec 2024 13:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

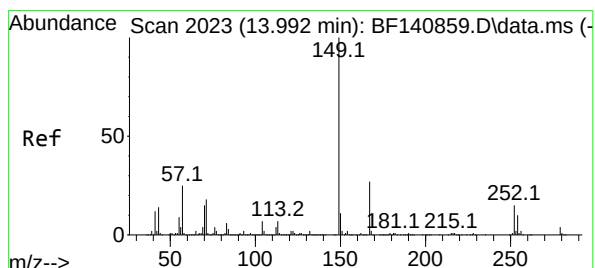
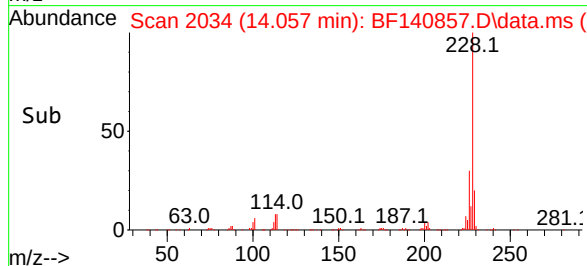
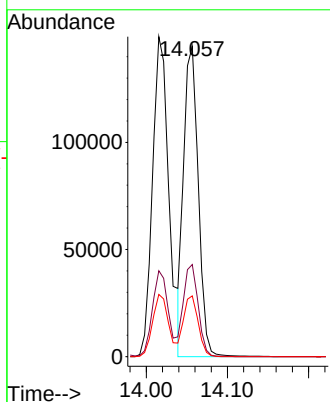
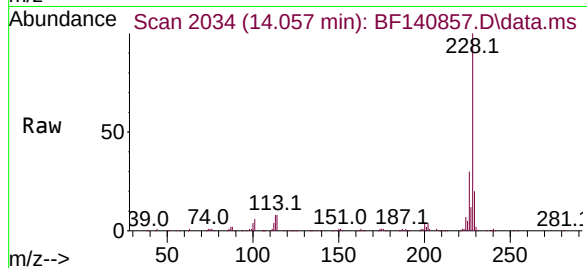
Tgt Ion:228 Resp: 181387

Ion Ratio Lower Upper

228 100

226 29.7 24.1 36.1

229 19.6 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 9.562 ng

RT: 13.992 min Scan# 2023

Delta R.T. -0.000 min

Lab File: BF140857.D

Acq: 16 Dec 2024 13:05

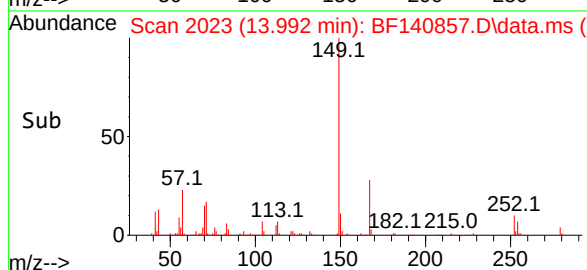
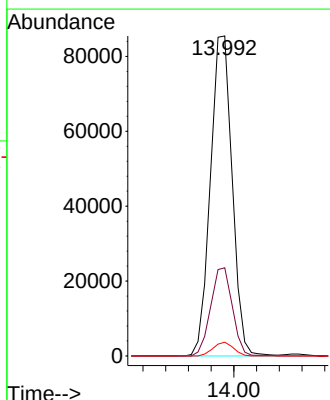
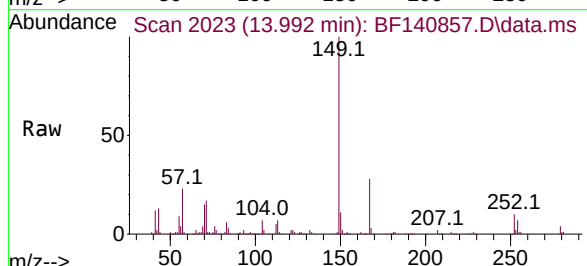
Tgt Ion:149 Resp: 113963

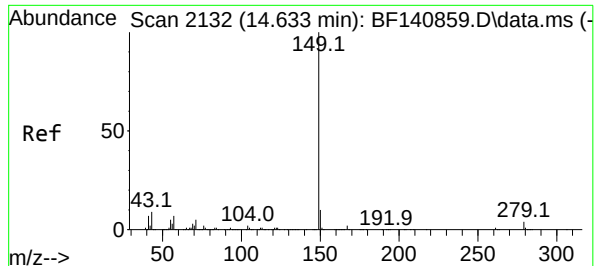
Ion Ratio Lower Upper

149 100

167 27.6 21.8 32.8

279 4.3 3.5 5.3

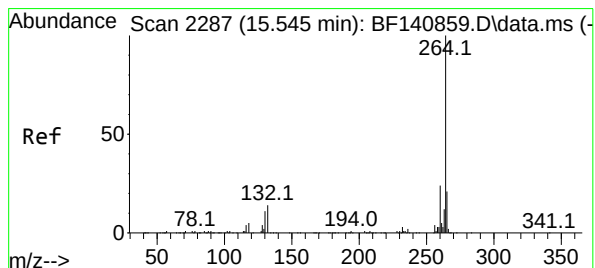
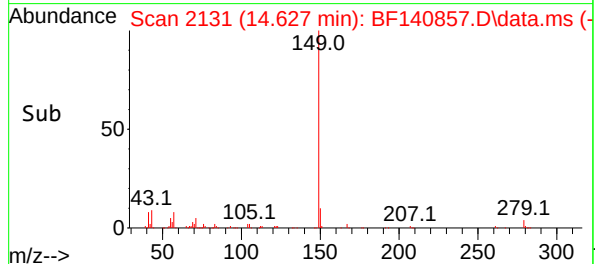
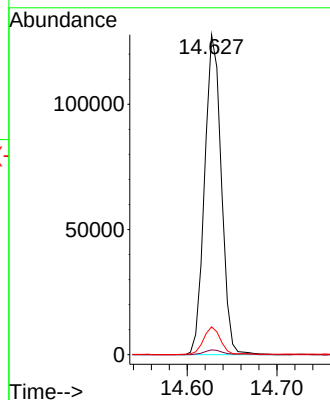
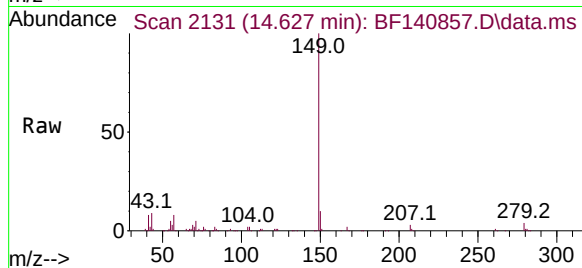




#85
Di-n-octyl phthalate
Concen: 9.161 ng
RT: 14.627 min Scan# 2131
Delta R.T. -0.006 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

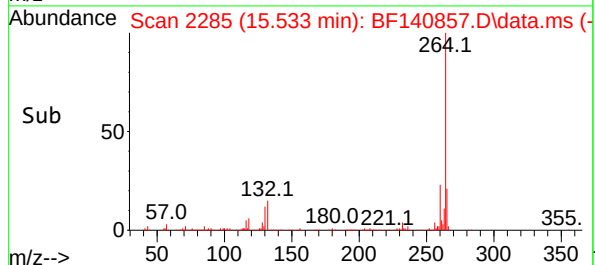
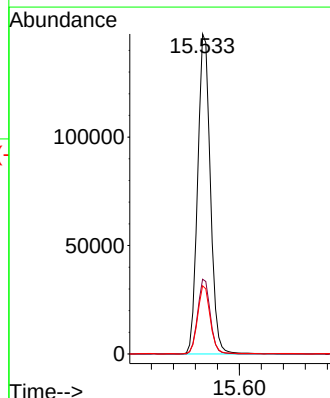
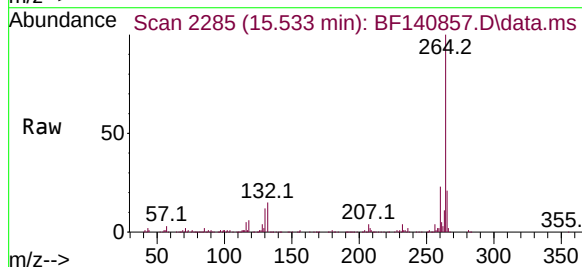
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

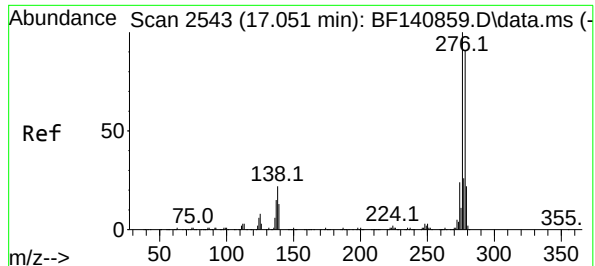
Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	9.1	7.0	10.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2285
Delta R.T. -0.012 min
Lab File: BF140857.D
Acq: 16 Dec 2024 13:05

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.1	28.7
265	21.3	17.0	25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.405 ng

RT: 17.033 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF140857.D

Acq: 16 Dec 2024 13:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

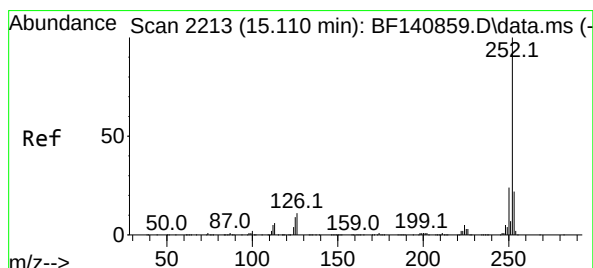
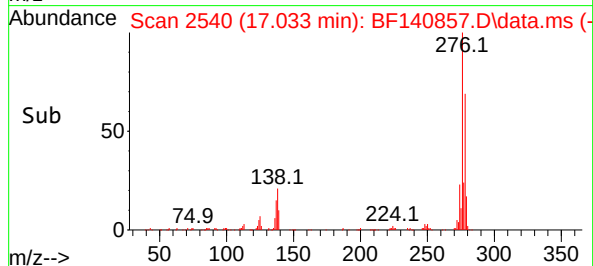
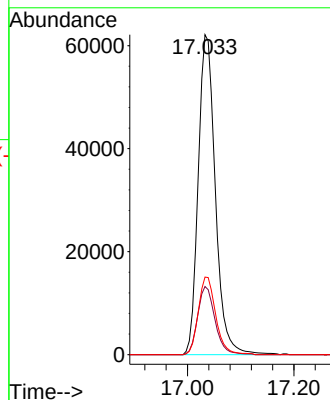
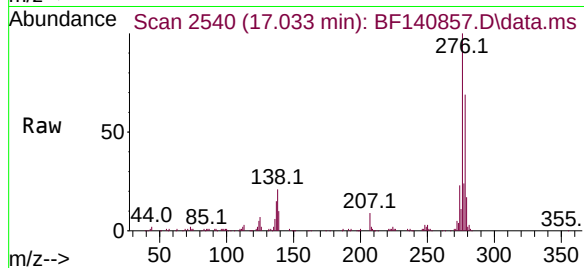
Tgt Ion:276 Resp: 138792

Ion Ratio Lower Upper

276 100

138 21.6 16.9 25.3

277 24.7 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 10.558 ng

RT: 15.104 min Scan# 2212

Delta R.T. -0.006 min

Lab File: BF140857.D

Acq: 16 Dec 2024 13:05

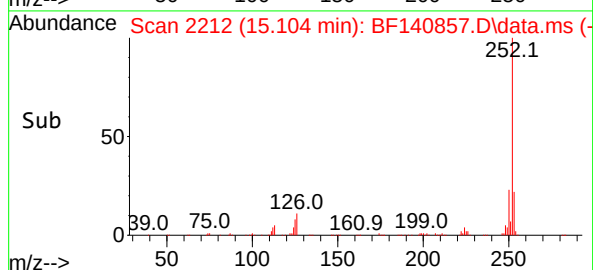
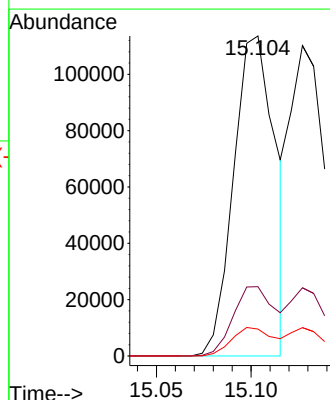
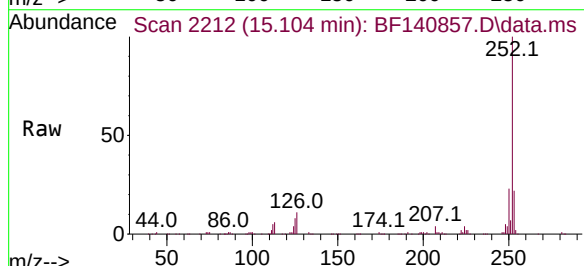
Tgt Ion:252 Resp: 173313

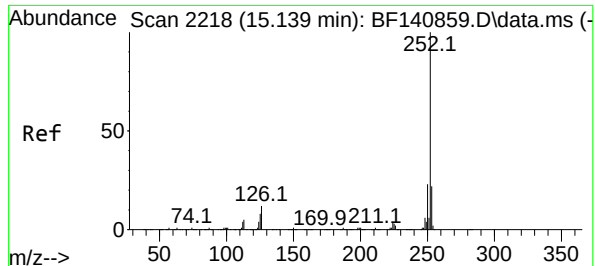
Ion Ratio Lower Upper

252 100

253 21.6 17.8 26.6

125 8.4 7.0 10.4





#89

Benzo(k)fluoranthene

Concen: 10.499 ng

RT: 15.127 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF140857.D

Acq: 16 Dec 2024 13:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

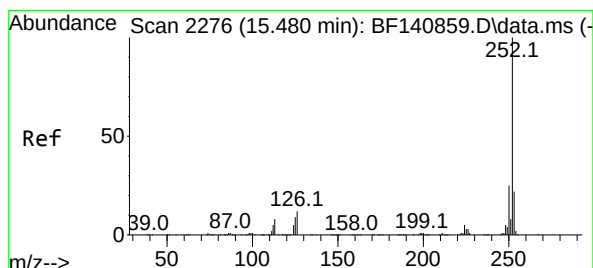
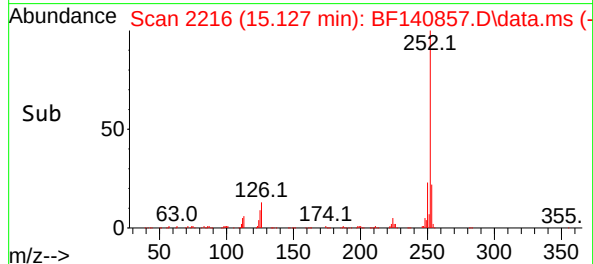
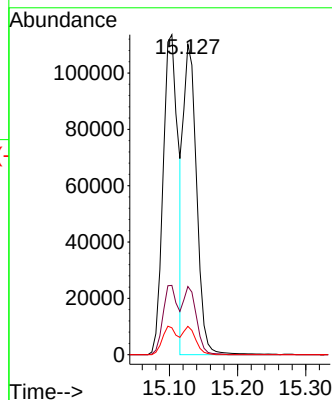
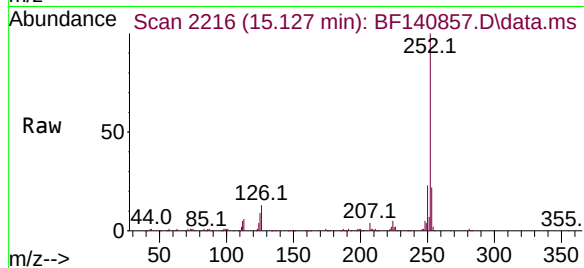
Tgt Ion:252 Resp: 147840

Ion Ratio Lower Upper

252 100

253 22.0 17.5 26.3

125 9.1 6.8 10.2



#90

Benzo(a)pyrene

Concen: 9.973 ng

RT: 15.474 min Scan# 2275

Delta R.T. -0.006 min

Lab File: BF140857.D

Acq: 16 Dec 2024 13:05

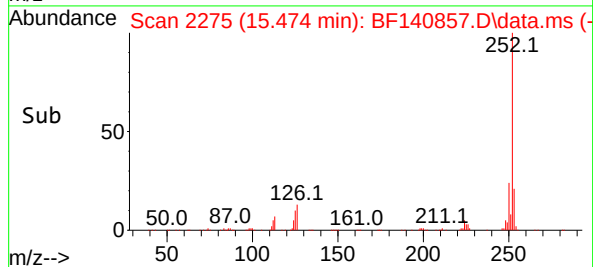
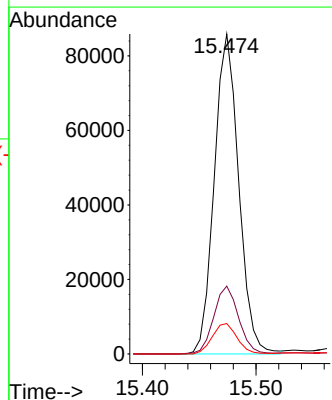
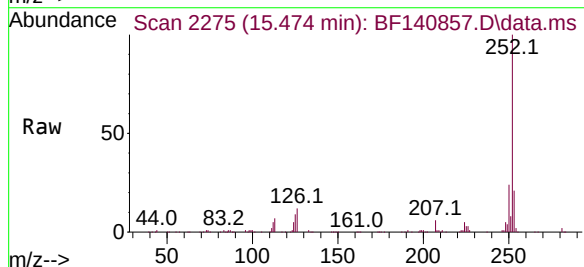
Tgt Ion:252 Resp: 128194

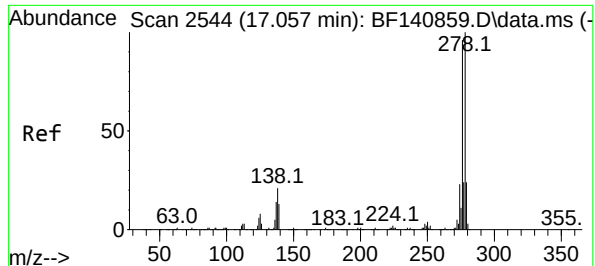
Ion Ratio Lower Upper

252 100

253 21.2 17.5 26.3

125 9.5 7.5 11.3





#91

Dibenzo(a,h)anthracene

Concen: 9.532 ng

RT: 17.039 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF140857.D

Acq: 16 Dec 2024 13:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

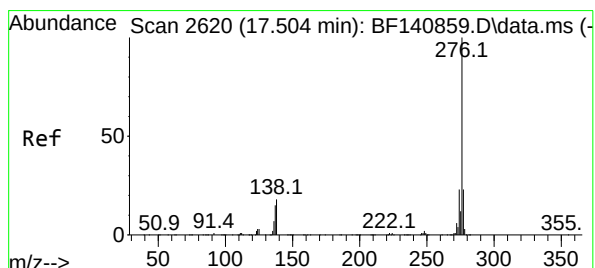
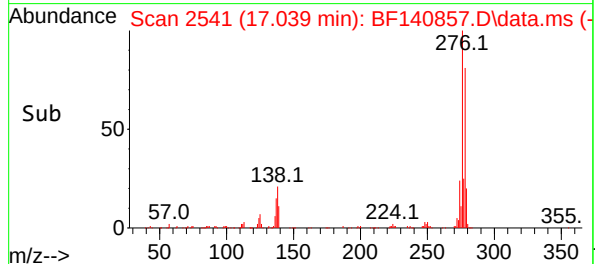
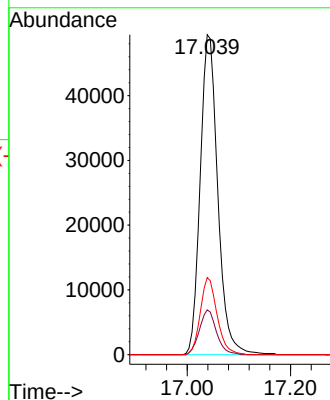
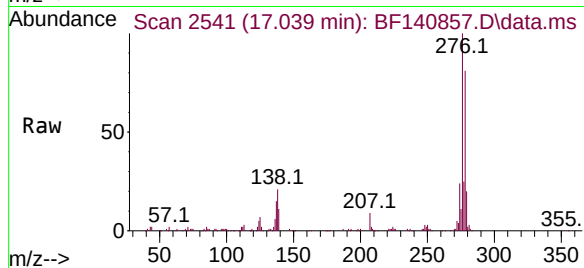
Tgt Ion:278 Resp: 116533

Ion Ratio Lower Upper

278 100

139 14.0 10.6 16.0

279 24.1 19.2 28.8



#92

Benzo(g,h,i)perylene

Concen: 9.240 ng

RT: 17.492 min Scan# 2618

Delta R.T. -0.012 min

Lab File: BF140857.D

Acq: 16 Dec 2024 13:05

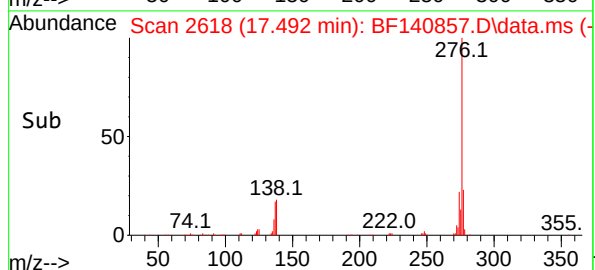
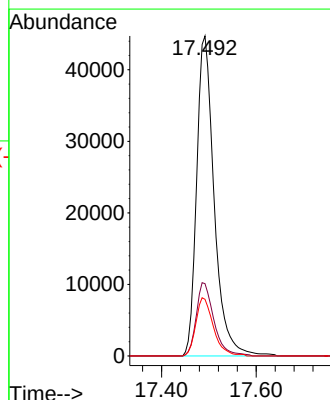
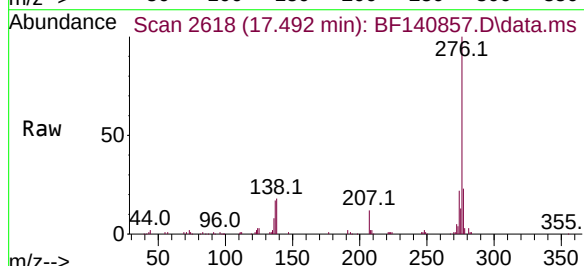
Tgt Ion:276 Resp: 114976

Ion Ratio Lower Upper

276 100

277 22.6 18.7 28.1

138 17.7 14.2 21.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
 Data File : BF140858.D
 Acq On : 16 Dec 2024 14:00
 Operator : RC/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC020

Quant Time: Dec 16 16:48:30 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 16 16:38:27 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.846	152	71395	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	269448	20.000	ng	0.00
39) Acenaphthene-d10	9.881	164	153586	20.000	ng	0.00
64) Phenanthrene-d10	11.375	188	299699	20.000	ng	0.00
76) Chrysene-d12	14.039	240	234229	20.000	ng	0.00
86) Perylene-d12	15.563	264	220576	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	182586	42.100	ng	0.00
7) Phenol-d6	6.493	99	237156	41.285	ng	0.00
23) Nitrobenzene-d5	7.410	82	226356	42.030	ng	0.00
42) 2,4,6-Tribromophenol	10.675	330	74311	40.909	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	472330	42.281	ng	0.00
79) Terphenyl-d14	12.957	244	570640	38.416	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.622	88	38355	20.532	ng	96
3) Pyridine	3.405	79	91704	21.197	ng	99
4) n-Nitrosodimethylamine	3.340	42	44712	20.501	ng	97
6) Aniline	6.516	93	103355	21.043	ng	# 81
8) 2-Chlorophenol	6.640	128	96909	20.490	ng	98
9) Benzaldehyde	6.404	77	70862	22.263	ng	98
10) Phenol	6.510	94	123728	20.782	ng	90
11) bis(2-Chloroethyl)ether	6.581	93	91473	20.602	ng	98
12) 1,3-Dichlorobenzene	6.787	146	111145	20.624	ng	99
13) 1,4-Dichlorobenzene	6.863	146	113006	20.658	ng	98
14) 1,2-Dichlorobenzene	7.016	146	107719	20.870	ng	97
15) Benzyl Alcohol	6.998	79	88251	21.487	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.122	45	108472	20.739	ng	89
17) 2-Methylphenol	7.110	107	77132	20.427	ng	97
18) Hexachloroethane	7.351	117	41766	20.509	ng	97
19) n-Nitroso-di-n-propyla...	7.257	70	71344	20.705	ng	100
20) 3+4-Methylphenols	7.269	107	102814	20.534	ng	# 88
22) Acetophenone	7.257	105	140187	20.798	ng	98
24) Nitrobenzene	7.434	77	114486	20.750	ng	98
25) Isophorone	7.669	82	185900	20.601	ng	100
26) 2-Nitrophenol	7.751	139	52133	20.516	ng	99
27) 2,4-Dimethylphenol	7.787	122	60750	20.471	ng	98
28) bis(2-Chloroethoxy)met...	7.875	93	115605	20.512	ng	98
29) 2,4-Dichlorophenol	7.998	162	84299	20.575	ng	99
30) 1,2,4-Trichlorobenzene	8.069	180	96194	20.481	ng	99
31) Naphthalene	8.151	128	303425	20.500	ng	99
32) Benzoic acid	7.910	122	51770	18.394	ng	97
33) 4-Chloroaniline	8.204	127	101583	20.664	ng	99
34) Hexachlorobutadiene	8.263	225	65803	20.824	ng	99
35) Caprolactam	8.569	113	24344	19.958	ng	98
36) 4-Chloro-3-methylphenol	8.693	107	93611	20.300	ng	98
37) 2-Methylnaphthalene	8.840	142	199492	20.375	ng	100
38) 1-Methylnaphthalene	8.940	142	193053	19.937	ng	100
40) 1,2,4,5-Tetrachloroben...	9.004	216	98517	20.869	ng	99
41) Hexachlorocyclopentadiene	8.987	237	18486	21.391	ng	99
43) 2,4,6-Trichlorophenol	9.128	196	59284	20.509	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
 Data File : BF140858.D
 Acq On : 16 Dec 2024 14:00
 Operator : RC/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC020

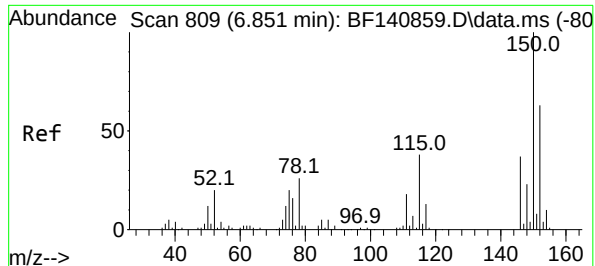
Quant Time: Dec 16 16:48:30 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 16 16:38:27 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.181	196	65450	20.600	ng	99
46) 1,1'-Biphenyl	9.304	154	251662	20.606	ng	98
47) 2-Chloronaphthalene	9.328	162	192611	20.615	ng	98
48) 2-Nitroaniline	9.434	65	57140	20.250	ng	99
49) Acenaphthylene	9.745	152	288710	21.027	ng	99
50) Dimethylphthalate	9.598	163	220880	20.399	ng	99
51) 2,6-Dinitrotoluene	9.669	165	50302	20.321	ng	97
52) Acenaphthene	9.916	154	179112	20.422	ng	99
53) 3-Nitroaniline	9.845	138	50453	20.538	ng	100
54) 2,4-Dinitrophenol	9.969	184	16571	19.139	ng	96
55) Dibenzofuran	10.087	168	281092	20.683	ng	98
56) 4-Nitrophenol	10.039	139	20392	19.017	ng	90
57) 2,4-Dinitrotoluene	10.081	165	67570	20.746	ng	100
58) Fluorene	10.434	166	229160	20.439	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.216	232	52966	20.459	ng	98
60) Diethylphthalate	10.298	149	229798	20.466	ng	100
61) 4-Chlorophenyl-phenyle...	10.422	204	116545	20.693	ng	97
62) 4-Nitroaniline	10.457	138	52016	20.263	ng	97
63) Azobenzene	10.581	77	214137	20.286	ng	99
65) 4,6-Dinitro-2-methylph...	10.492	198	32520	19.149	ng	93
66) n-Nitrosodiphenylamine	10.539	169	192873	20.932	ng	100
67) 4-Bromophenyl-phenylether	10.910	248	70804	21.118	ng	99
68) Hexachlorobenzene	10.981	284	80189	21.095	ng	99
69) Atrazine	11.069	200	57872	22.488	ng	99
70) Pentachlorophenol	11.186	266	24650m	17.726	ng	
71) Phenanthrene	11.398	178	321392	20.854	ng	100
72) Anthracene	11.451	178	315664	20.798	ng	99
73) Carbazole	11.610	167	307615	20.692	ng	99
74) Di-n-butylphthalate	11.928	149	369257	21.164	ng	99
75) Fluoranthene	12.586	202	374894	21.122	ng	100
77) Benzidine	12.716	184	93986	19.660	ng	99
78) Pyrene	12.822	202	386539	18.558	ng	99
80) Butylbenzylphthalate	13.427	149	145401	18.972	ng	97
81) Benzo(a)anthracene	14.027	228	332845	20.050	ng	99
82) 3,3'-Dichlorobenzidine	13.986	252	105124	20.989	ng	97
83) Chrysene	14.069	228	319417	21.160	ng	99
84) Bis(2-ethylhexyl)phtha...	13.998	149	204953	20.740	ng	97
85) Di-n-octyl phthalate	14.651	149	315841	21.125	ng	99
87) Indeno(1,2,3-cd)pyrene	17.068	276	293402	21.315	ng	100
88) Benzo(b)fluoranthene	15.121	252	319848	20.890	ng	99
89) Benzo(k)fluoranthene	15.151	252	269871	20.548	ng	99
90) Benzo(a)pyrene	15.498	252	250110	20.861	ng	99
91) Dibenzo(a,h)anthracene	17.074	278	240810	21.117	ng	99
92) Benzo(g,h,i)perylene	17.515	276	241228	20.785	ng	99

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

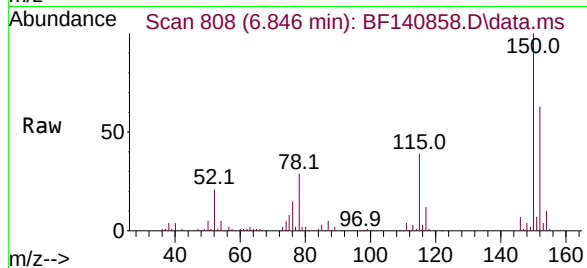
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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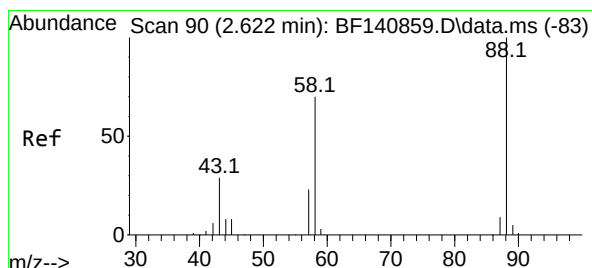
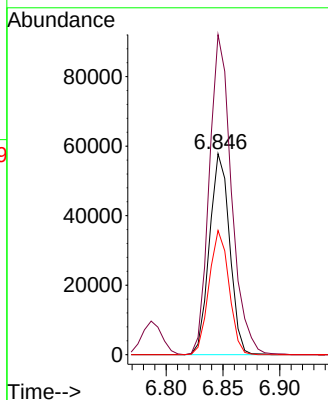
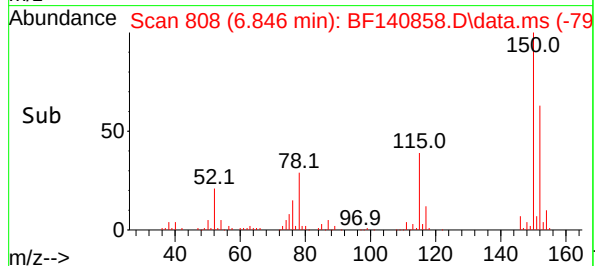


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.846 min Scan# 80
Delta R.T. -0.005 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

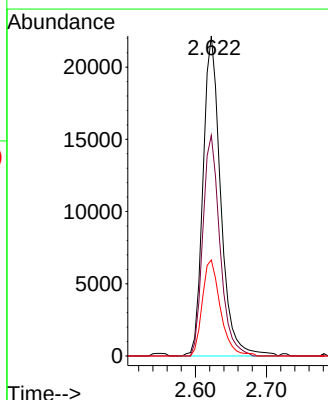
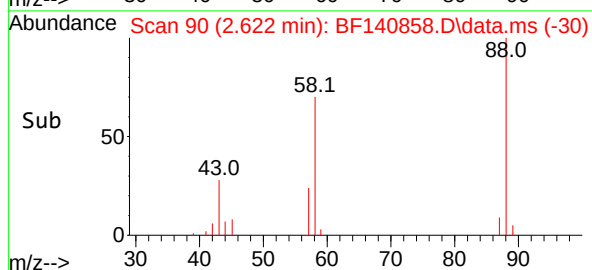
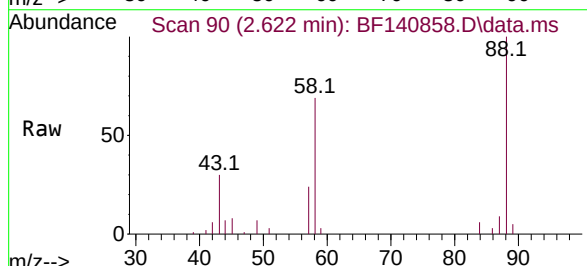


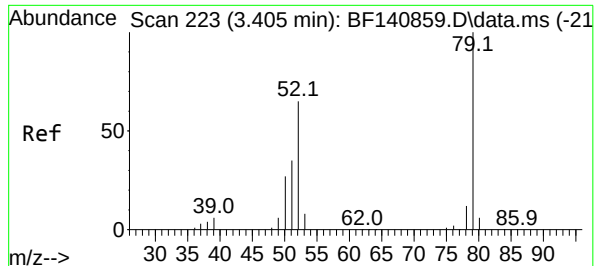
Tgt Ion:152 Resp: 71395
Ion Ratio Lower Upper
152 100
150 159.2 127.9 191.9
115 61.8 48.0 72.0



#2
1,4-Dioxane
Concen: 20.532 ng
RT: 2.622 min Scan# 90
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion: 88 Resp: 38355
Ion Ratio Lower Upper
88 100
58 66.7 55.8 83.8
43 30.7 22.7 34.1





#3

Pyridine

Concen: 21.197 ng

RT: 3.405 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF140858.D

Acq: 16 Dec 2024 14:00

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

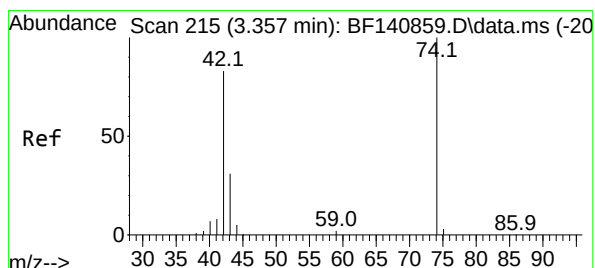
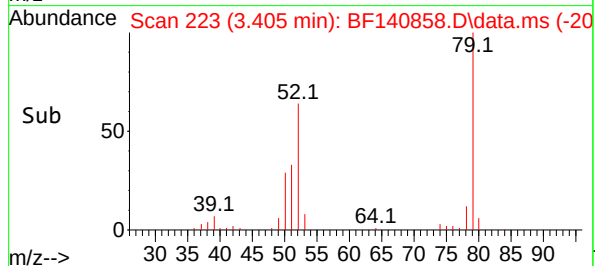
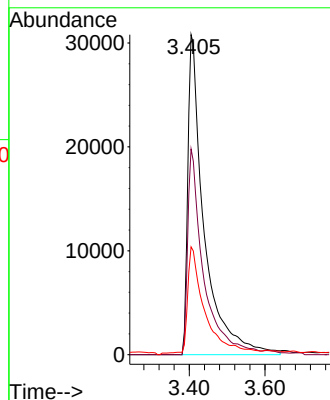
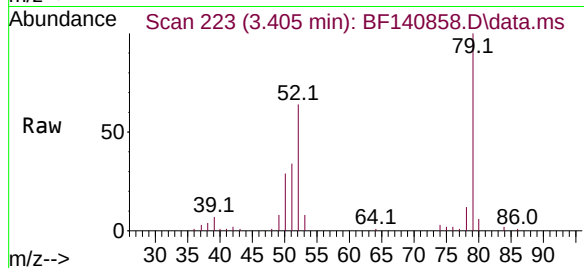
Tgt Ion: 79 Resp: 91704

Ion Ratio Lower Upper

79 100

52 64.3 51.7 77.5

51 33.7 28.2 42.4



#4

n-Nitrosodimethylamine

Concen: 20.501 ng

RT: 3.340 min Scan# 212

Delta R.T. -0.018 min

Lab File: BF140858.D

Acq: 16 Dec 2024 14:00

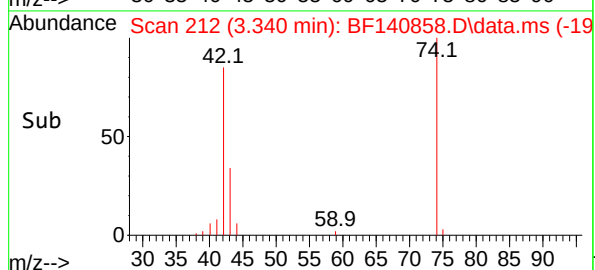
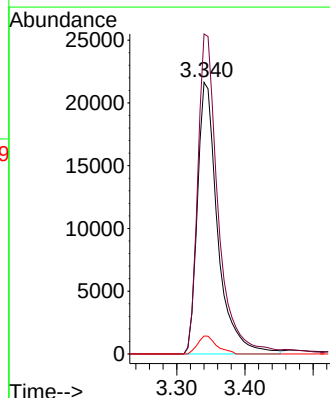
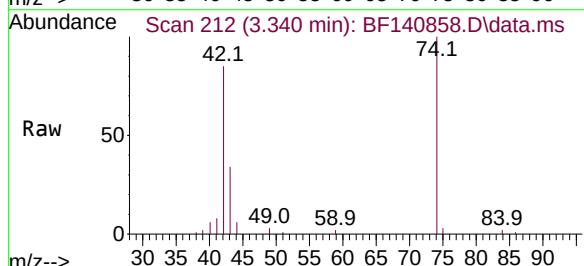
Tgt Ion: 42 Resp: 44712

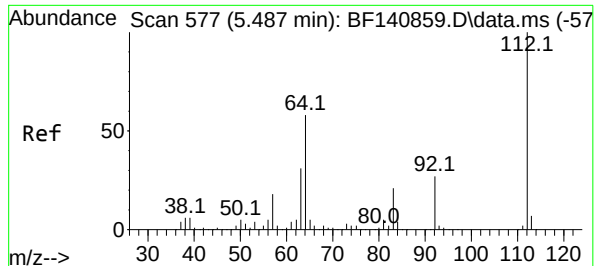
Ion Ratio Lower Upper

42 100

74 117.8 96.9 145.3

44 6.6 4.4 6.6

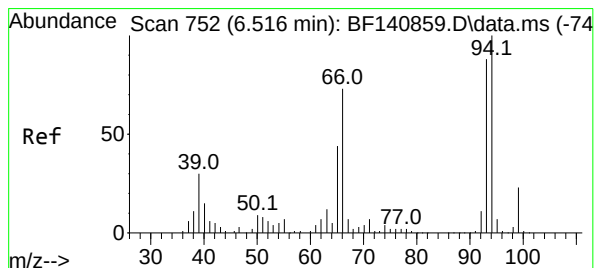
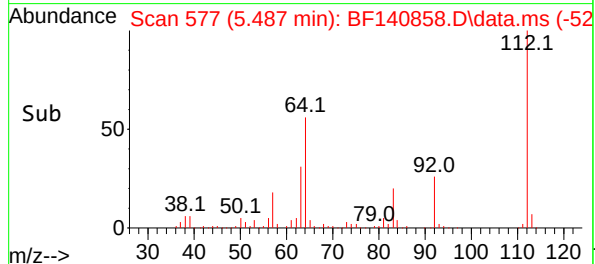
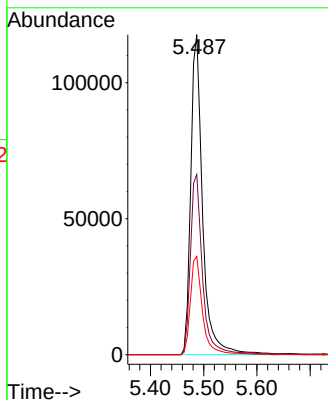
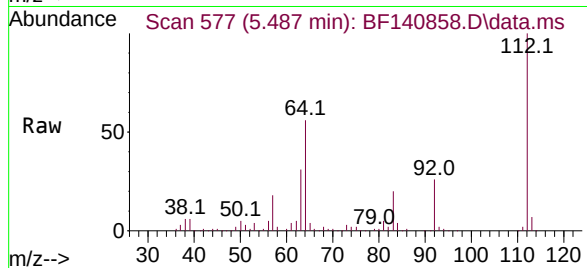




#5
2-Fluorophenol
Concen: 42.100 ng
RT: 5.487 min Scan# 51
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

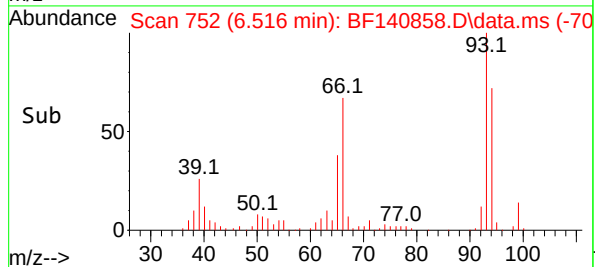
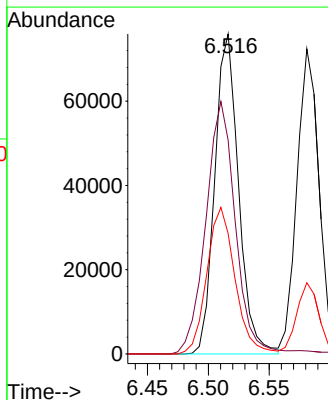
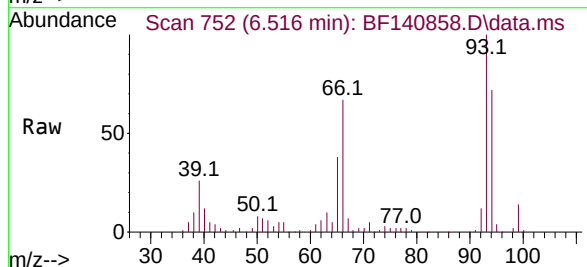
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

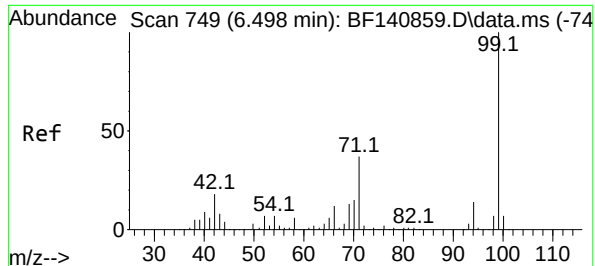
Tgt Ion:112 Resp: 182586
Ion Ratio Lower Upper
112 100
64 56.3 46.1 69.1
63 30.7 24.9 37.3



#6
Aniline
Concen: 21.043 ng
RT: 6.516 min Scan# 752
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion: 93 Resp: 103355
Ion Ratio Lower Upper
93 100
66 66.9 67.0 100.4#
65 37.7 40.4 60.6#





#7

Phenol-d6

Concen: 41.285 ng

RT: 6.493 min Scan# 749

Delta R.T. -0.006 min

Lab File: BF140858.D

Acq: 16 Dec 2024 14:00

Instrument :

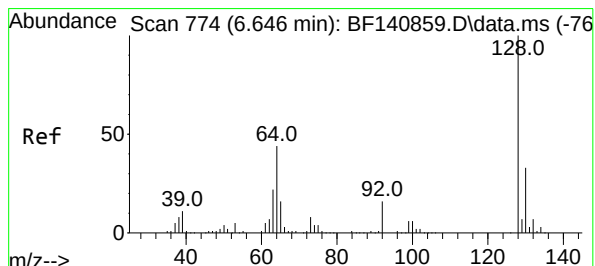
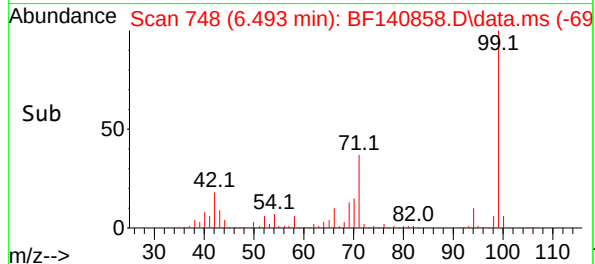
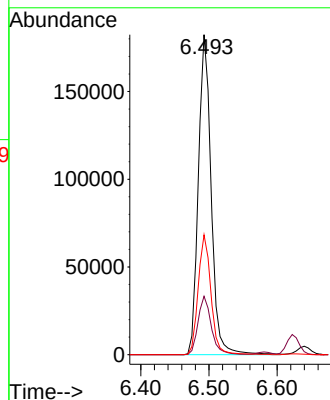
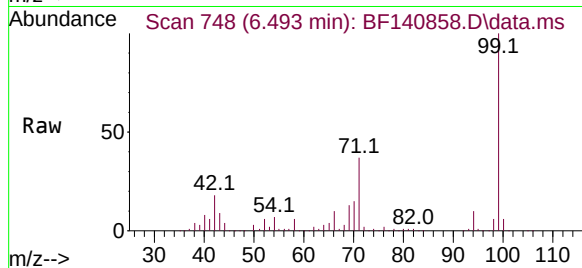
BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion: 99 Resp: 237156

Ion	Ratio	Lower	Upper
99	100		
42	18.3	14.3	21.5
71	37.4	29.9	44.9



#8

2-Chlorophenol

Concen: 20.490 ng

RT: 6.640 min Scan# 773

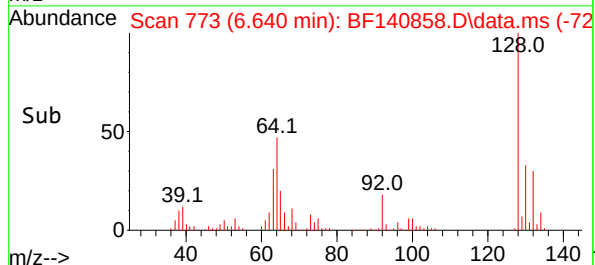
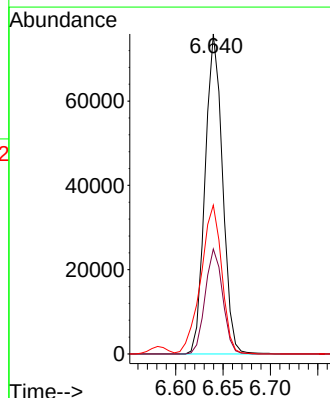
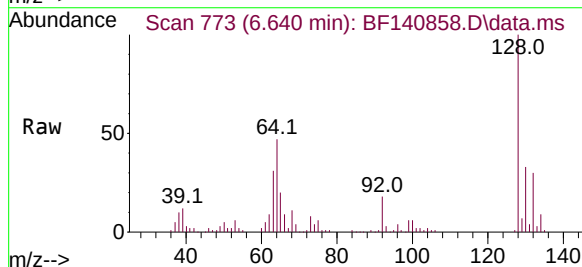
Delta R.T. -0.006 min

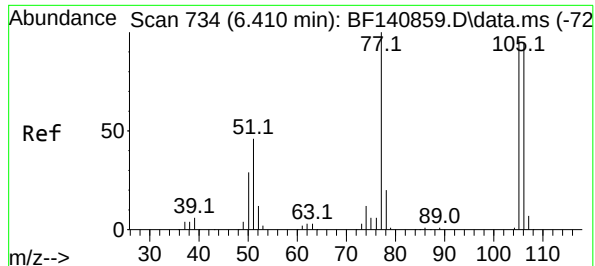
Lab File: BF140858.D

Acq: 16 Dec 2024 14:00

Tgt Ion: 128 Resp: 96909

Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.9	52.9
64	46.5	24.3	64.3





#9

Benzaldehyde

Concen: 22.263 ng

RT: 6.404 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF140858.D

Acq: 16 Dec 2024 14:00

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

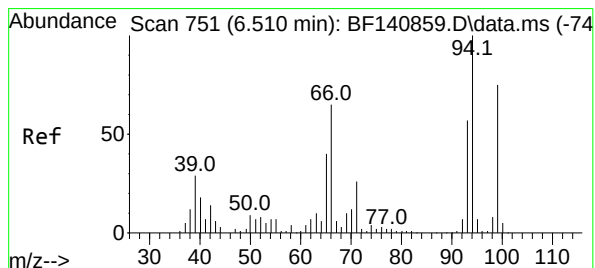
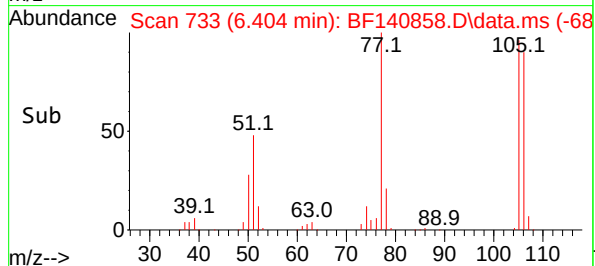
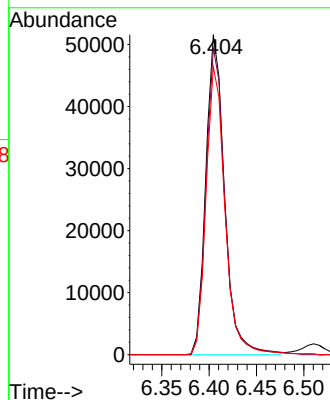
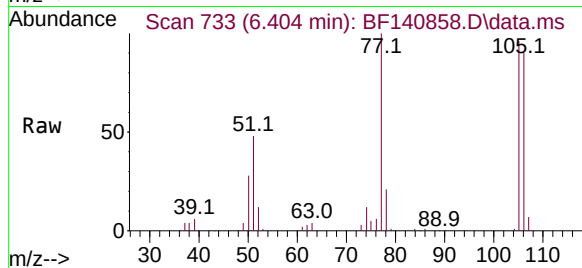
Tgt Ion: 77 Resp: 70862

Ion Ratio Lower Upper

77 100

105 95.9 75.8 115.8

106 89.9 74.1 114.1



#10

Phenol

Concen: 20.782 ng

RT: 6.510 min Scan# 751

Delta R.T. 0.000 min

Lab File: BF140858.D

Acq: 16 Dec 2024 14:00

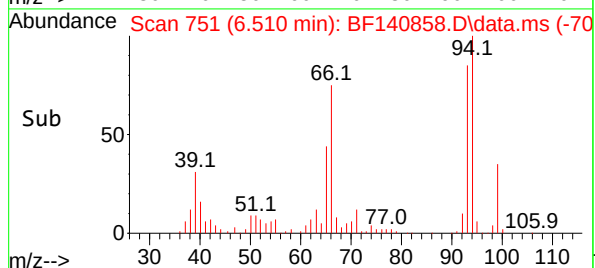
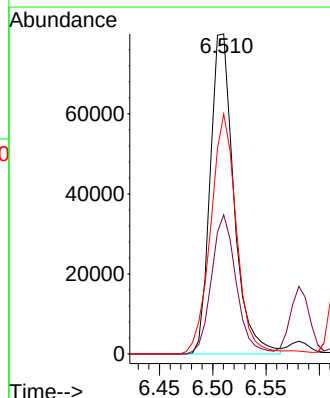
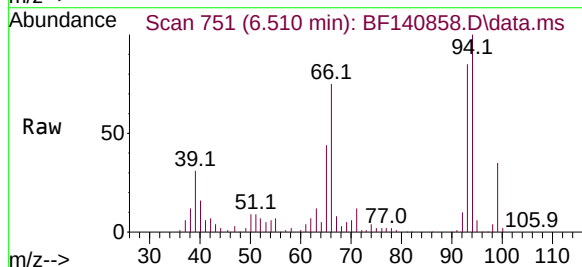
Tgt Ion: 94 Resp: 123728

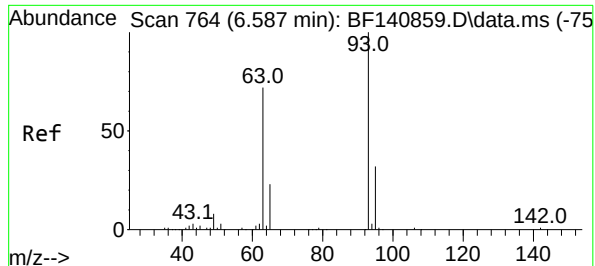
Ion Ratio Lower Upper

94 100

65 43.5 19.9 59.9

66 75.0 45.6 85.6

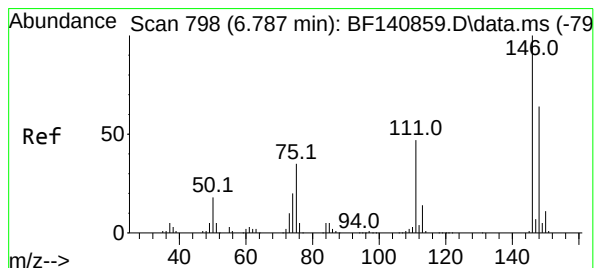
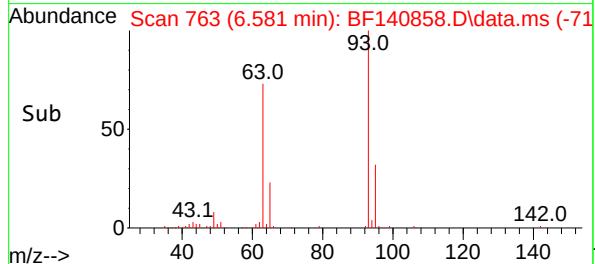
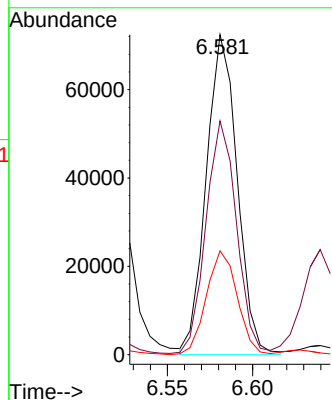
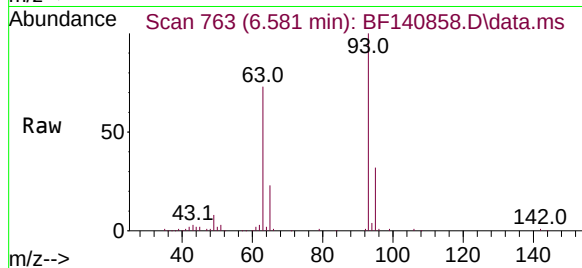




#11
bis(2-Chloroethyl)ether
Concen: 20.602 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

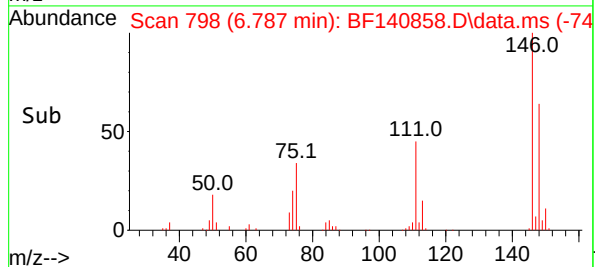
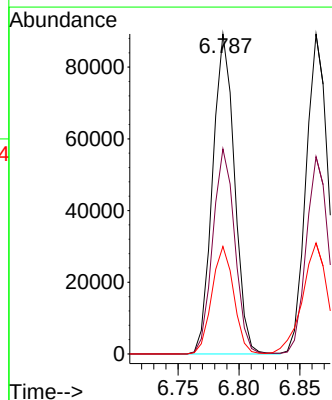
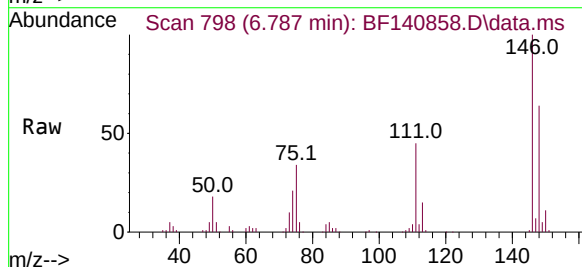
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

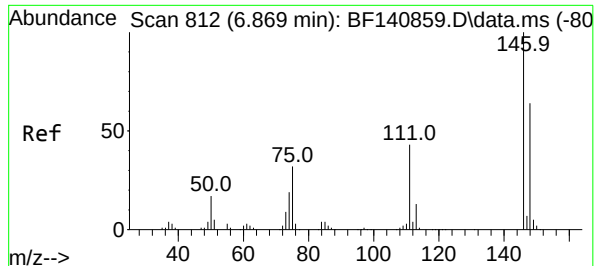
Tgt Ion: 93 Resp: 91473
Ion Ratio Lower Upper
93 100
63 73.0 51.0 91.0
95 32.5 12.0 52.0



#12
1,3-Dichlorobenzene
Concen: 20.624 ng
RT: 6.787 min Scan# 798
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion: 146 Resp: 111145
Ion Ratio Lower Upper
146 100
148 64.1 51.0 76.6
75 33.6 28.1 42.1





#13

1,4-Dichlorobenzene

Concen: 20.658 ng

RT: 6.863 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF140858.D

Acq: 16 Dec 2024 14:00

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

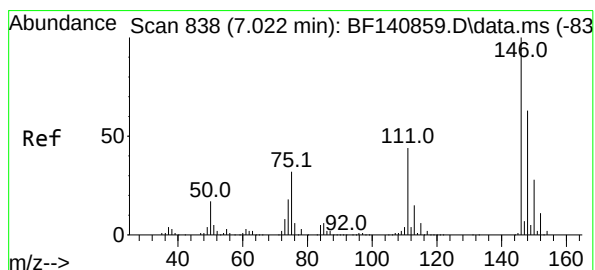
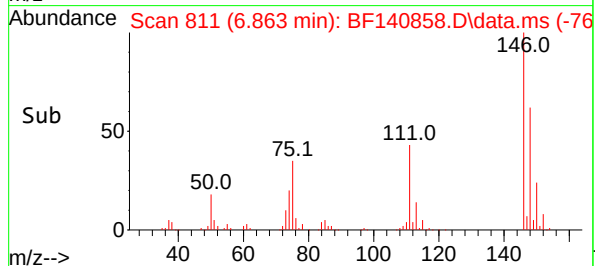
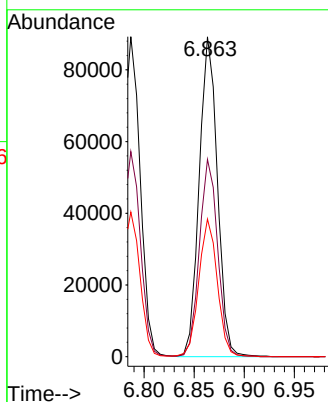
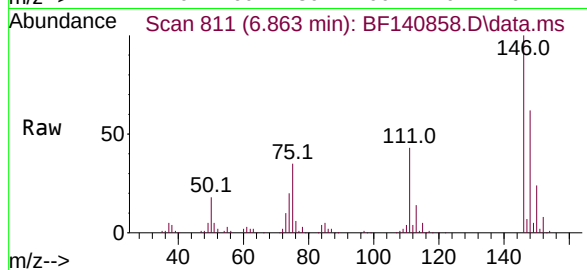
Tgt Ion:146 Resp: 113006

Ion Ratio Lower Upper

146 100

148 61.7 51.3 76.9

111 43.0 34.4 51.6



#14

1,2-Dichlorobenzene

Concen: 20.870 ng

RT: 7.016 min Scan# 837

Delta R.T. -0.006 min

Lab File: BF140858.D

Acq: 16 Dec 2024 14:00

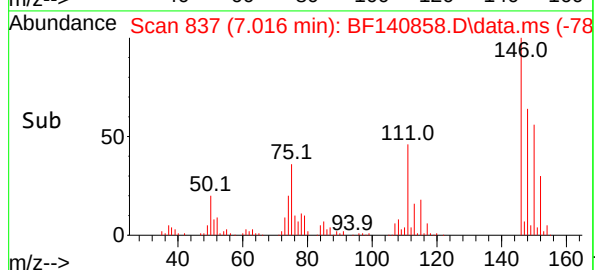
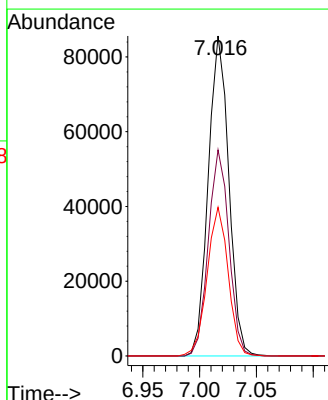
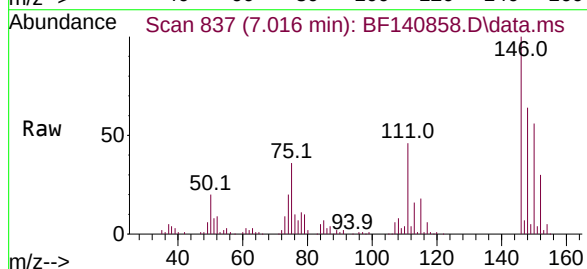
Tgt Ion:146 Resp: 107719

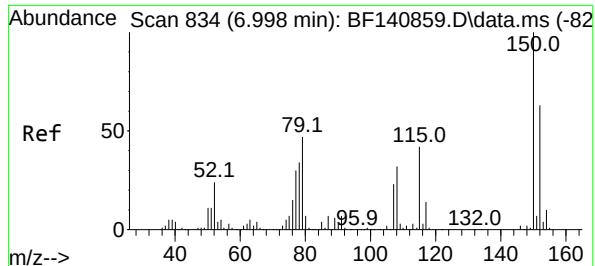
Ion Ratio Lower Upper

146 100

148 64.4 50.0 75.0

111 46.4 35.6 53.4





#15

Benzyl Alcohol

Concen: 21.487 ng

RT: 6.998 min Scan# 834

Delta R.T. 0.000 min

Lab File: BF140858.D

Acq: 16 Dec 2024 14:00

Instrument :

BNA_F

ClientSampleId :

SSTDIC020

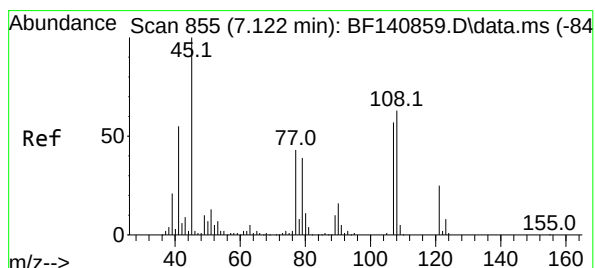
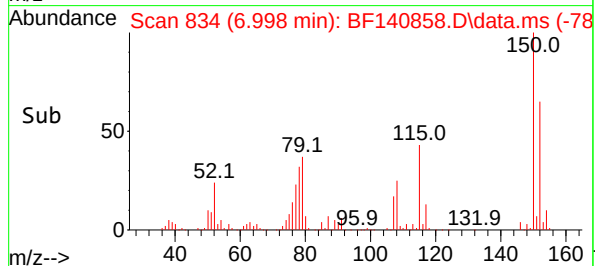
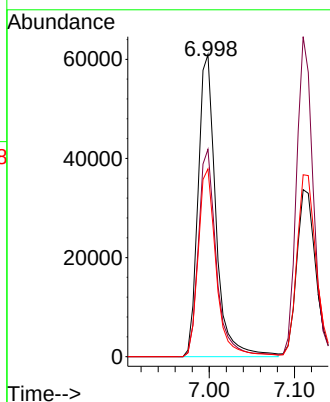
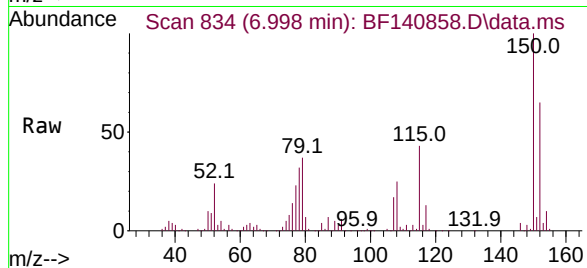
Tgt Ion: 79 Resp: 88251

Ion Ratio Lower Upper

79 100

108 68.6 55.1 82.7

77 62.2 50.6 76.0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 20.739 ng

RT: 7.122 min Scan# 855

Delta R.T. 0.000 min

Lab File: BF140858.D

Acq: 16 Dec 2024 14:00

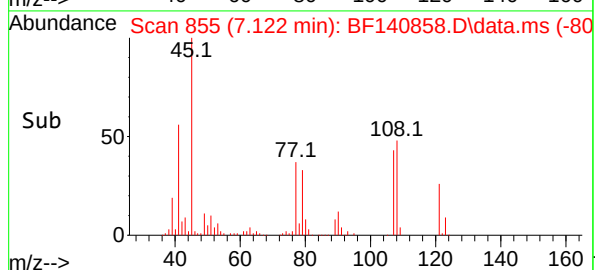
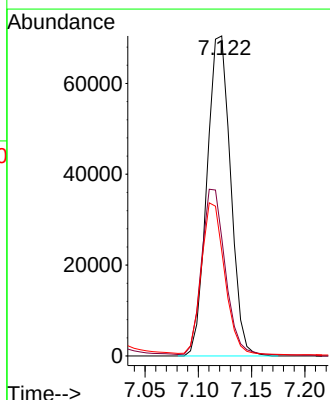
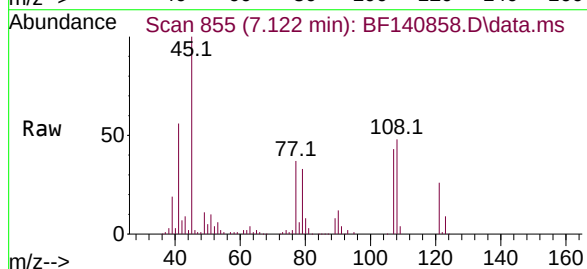
Tgt Ion: 45 Resp: 108472

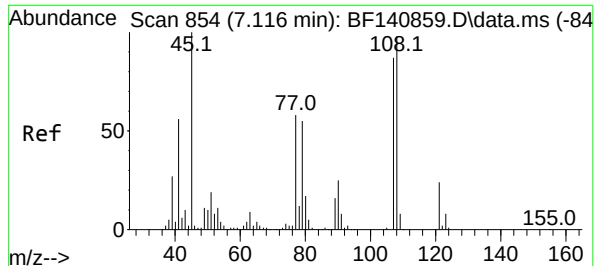
Ion Ratio Lower Upper

45 100

77 37.0 23.3 63.3

79 32.9 20.0 60.0

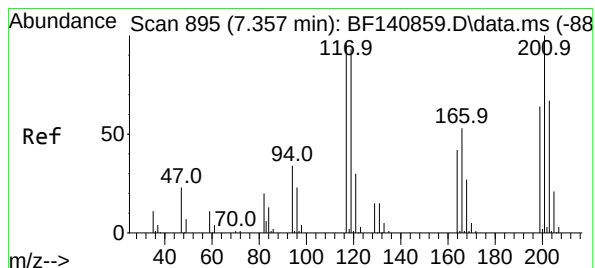
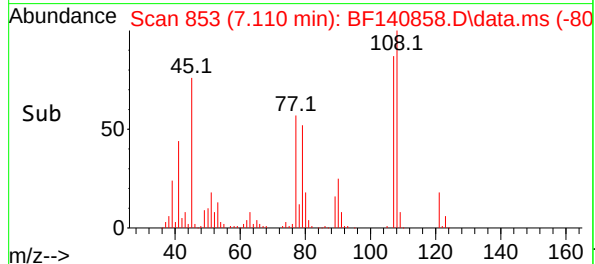
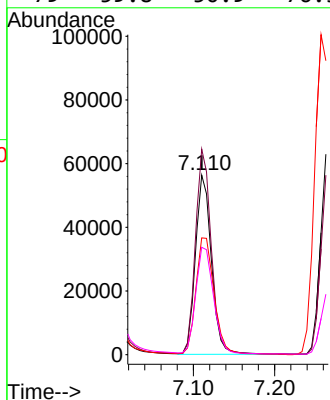
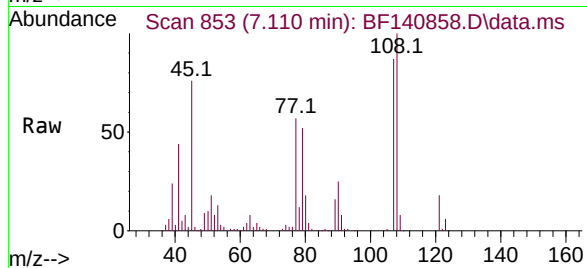




#17
2-Methylphenol
Concen: 20.427 ng
RT: 7.110 min Scan# 853
Delta R.T. -0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

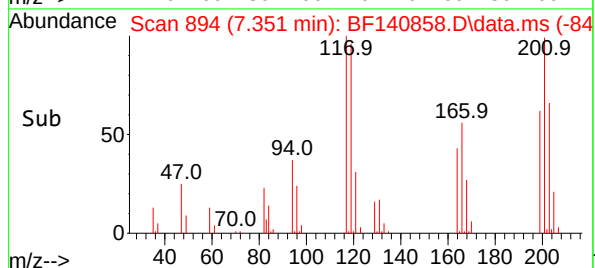
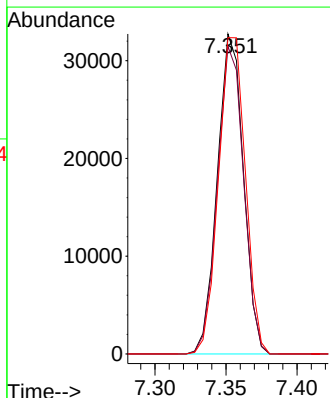
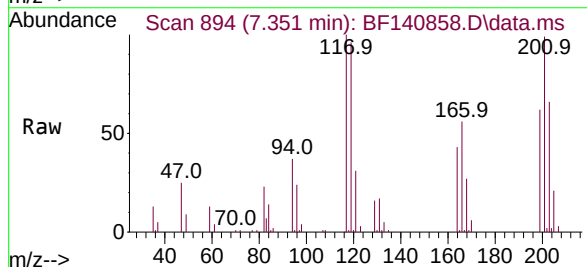
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

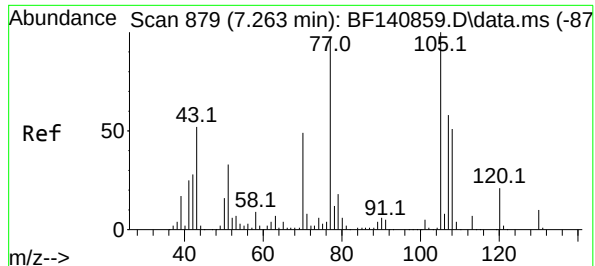
Tgt Ion:	107	Resp:	77132
Ion	Ratio	Lower	Upper
107	100		
108	114.5	90.2	135.4
77	65.1	53.8	80.6
79	59.8	50.9	76.3



#18
Hexachloroethane
Concen: 20.509 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:	117	Resp:	41766
Ion	Ratio	Lower	Upper
117	100		
119	96.1	77.4	116.0
201	98.9	83.4	125.0





#19

n-Nitroso-di-n-propylamine

Concen: 20.705 ng

RT: 7.257 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF140858.D

Acq: 16 Dec 2024 14:00

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion: 70 Resp: 71344

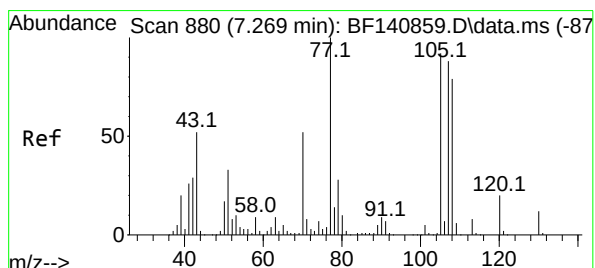
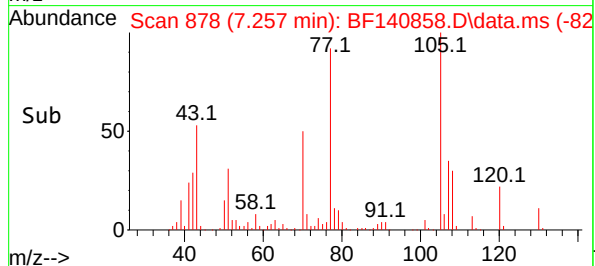
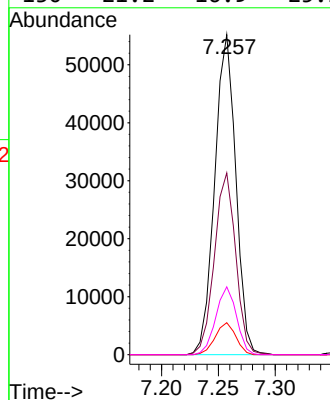
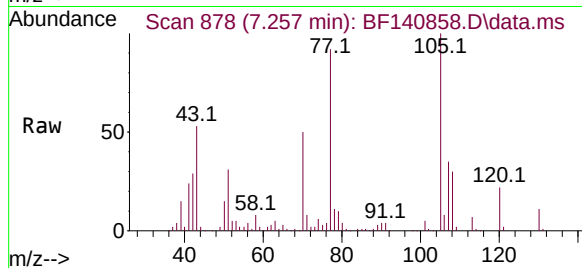
Ion Ratio Lower Upper

70 100

42 56.8 45.3 67.9

101 10.0 8.0 12.0

130 21.2 16.9 25.3



#20

3+4-Methylphenols

Concen: 20.534 ng

RT: 7.269 min Scan# 880

Delta R.T. 0.000 min

Lab File: BF140858.D

Acq: 16 Dec 2024 14:00

Tgt Ion:107 Resp: 102814

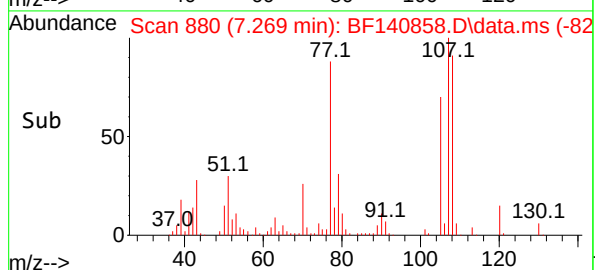
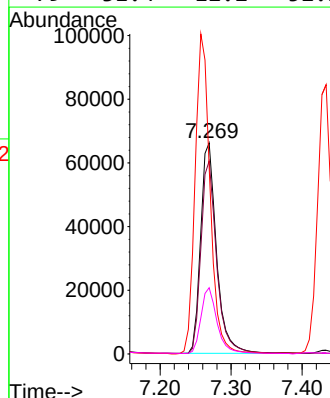
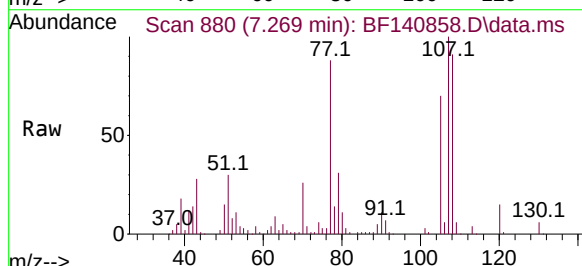
Ion Ratio Lower Upper

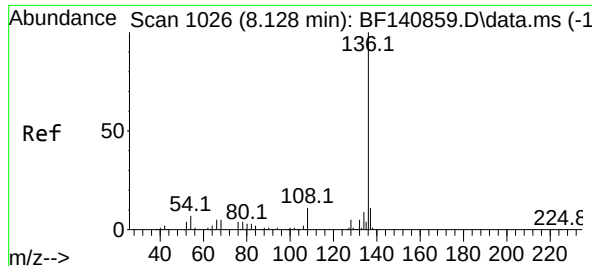
107 100

108 91.5 70.1 110.1

77 88.5 94.4 134.4#

79 31.4 12.2 52.2

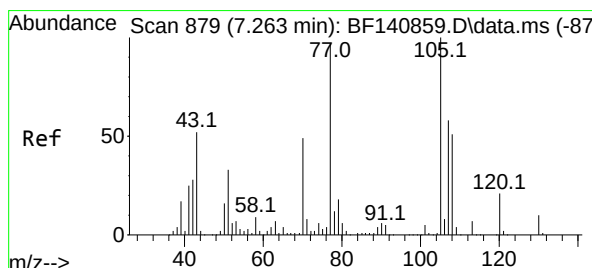
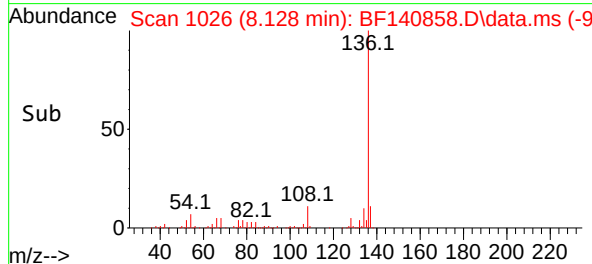
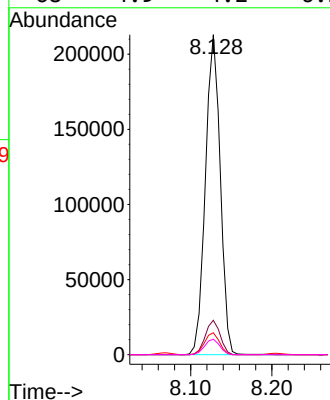
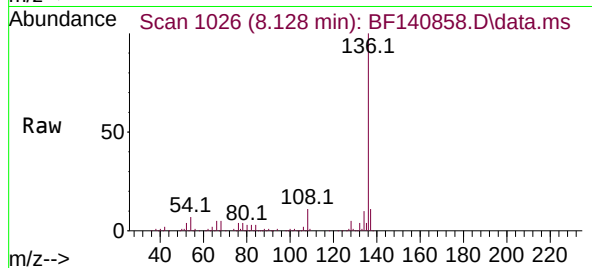




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

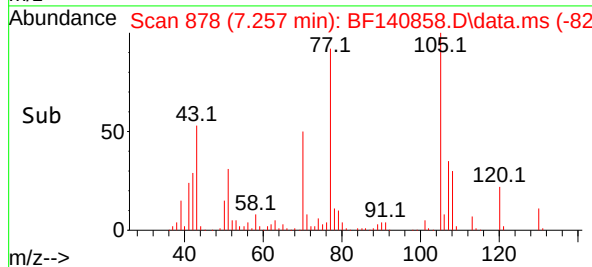
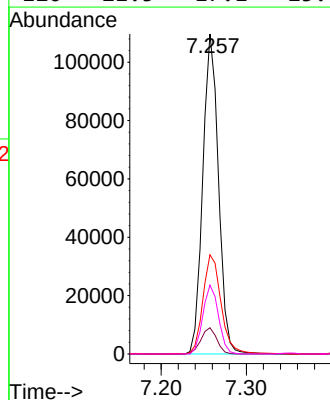
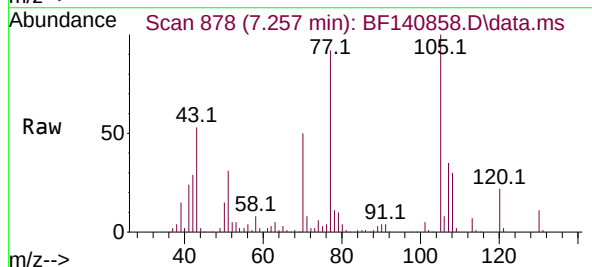
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

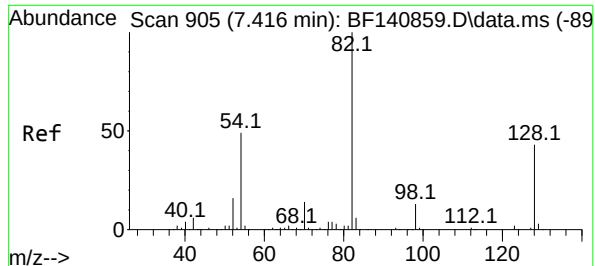
Tgt Ion:136 Resp: 269448
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.4
54 6.8 5.6 8.4
68 4.9 4.2 6.2



#22
Acetophenone
Concen: 20.798 ng
RT: 7.257 min Scan# 878
Delta R.T. -0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:105 Resp: 140187
Ion Ratio Lower Upper
105 100
71 8.2 6.2 9.4
51 31.0 26.3 39.5
120 21.5 17.1 25.7





#23

Nitrobenzene-d5

Concen: 42.030 ng

RT: 7.410 min Scan# 904

Delta R.T. -0.006 min

Lab File: BF140858.D

Acq: 16 Dec 2024 14:00

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

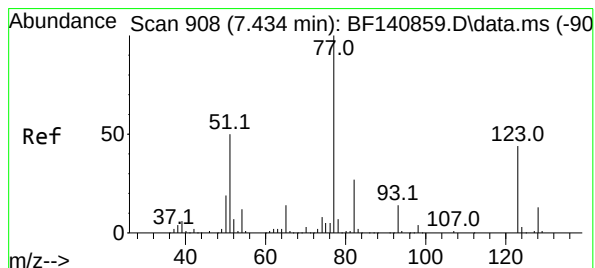
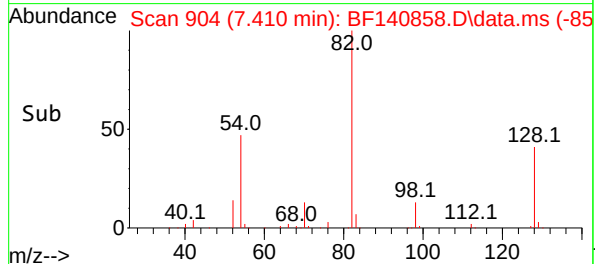
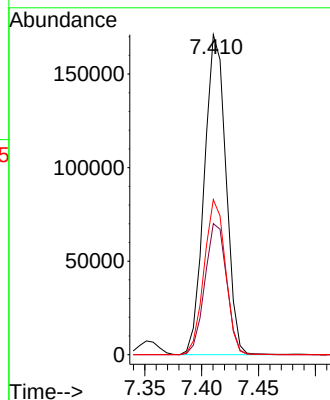
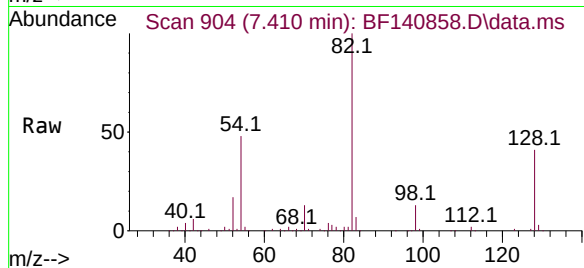
Tgt Ion: 82 Resp: 226356

Ion Ratio Lower Upper

82 100

128 40.9 34.4 51.6

54 48.5 38.8 58.2



#24

Nitrobenzene

Concen: 20.750 ng

RT: 7.434 min Scan# 908

Delta R.T. 0.000 min

Lab File: BF140858.D

Acq: 16 Dec 2024 14:00

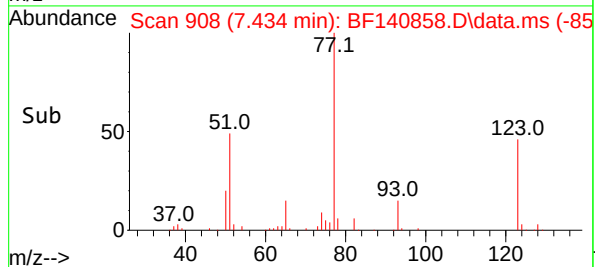
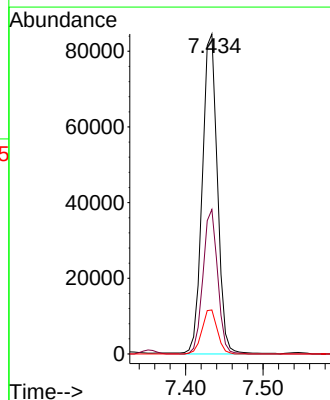
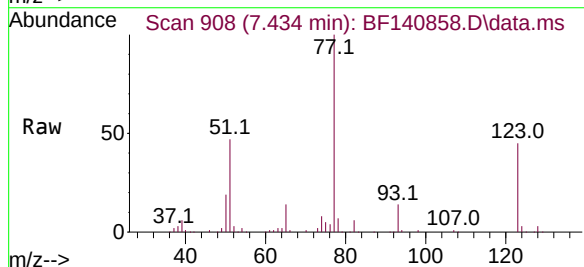
Tgt Ion: 77 Resp: 114486

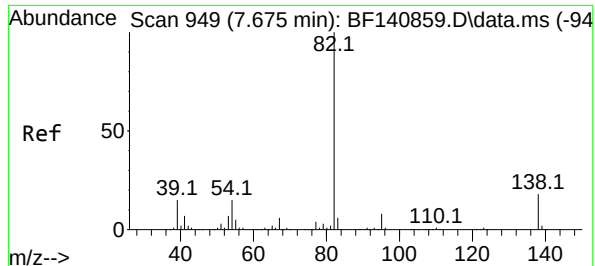
Ion Ratio Lower Upper

77 100

123 45.2 35.0 52.4

65 13.7 11.4 17.0





#25

Isophorone

Concen: 20.601 ng

RT: 7.669 min Scan# 948

Delta R.T. -0.006 min

Lab File: BF140858.D

Acq: 16 Dec 2024 14:00

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

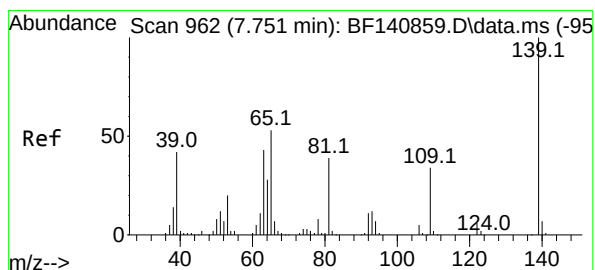
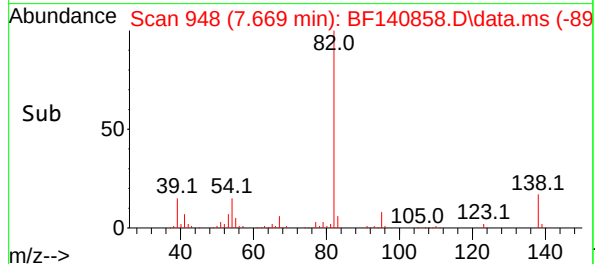
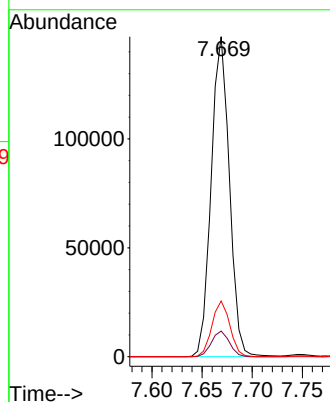
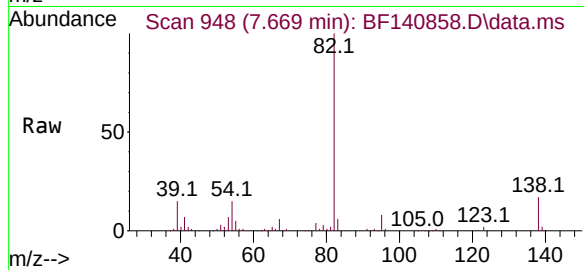
Tgt Ion: 82 Resp: 185900

Ion Ratio Lower Upper

82 100

95 8.0 6.3 9.5

138 17.4 14.1 21.1



#26

2-Nitrophenol

Concen: 20.516 ng

RT: 7.751 min Scan# 962

Delta R.T. 0.000 min

Lab File: BF140858.D

Acq: 16 Dec 2024 14:00

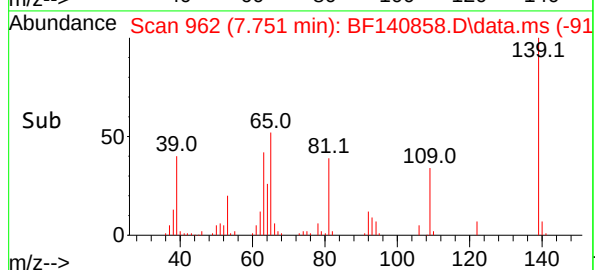
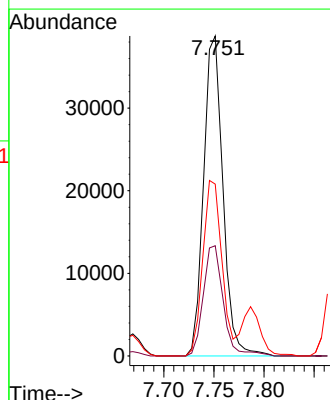
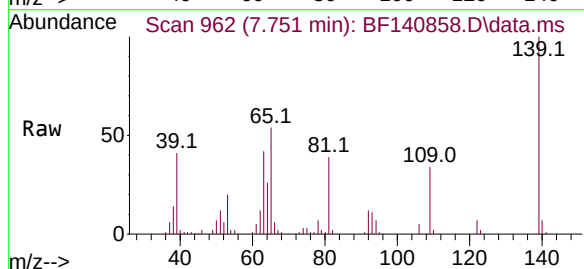
Tgt Ion:139 Resp: 52133

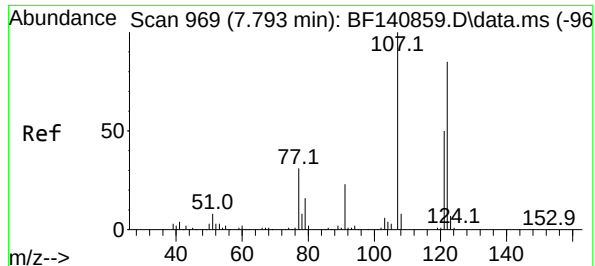
Ion Ratio Lower Upper

139 100

109 34.5 26.9 40.3

65 53.7 42.6 64.0





#27

2,4-Dimethylphenol

Concen: 20.471 ng

RT: 7.787 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF140858.D

Acq: 16 Dec 2024 14:00

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

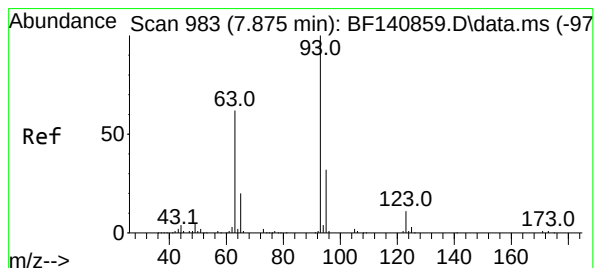
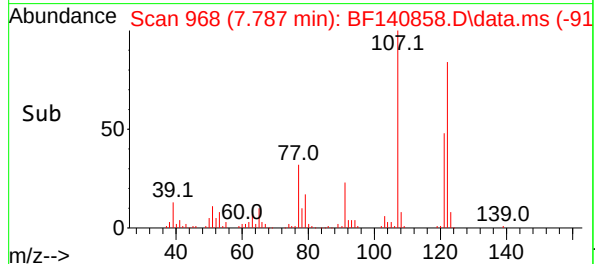
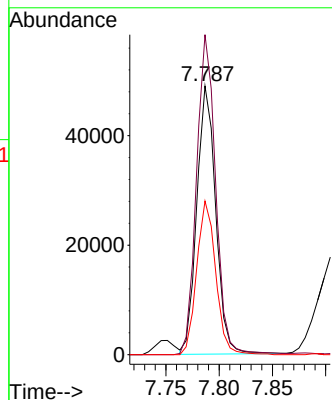
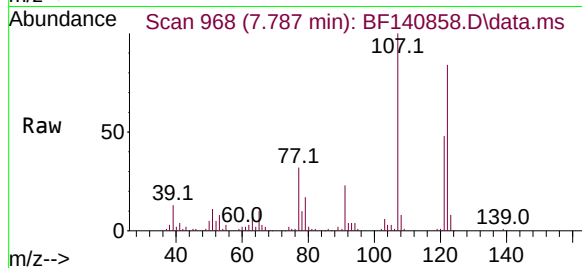
Tgt Ion:122 Resp: 60750

Ion Ratio Lower Upper

122 100

107 119.1 92.6 139.0

121 57.2 45.8 68.8



#28

bis(2-Chloroethoxy)methane

Concen: 20.512 ng

RT: 7.875 min Scan# 983

Delta R.T. 0.000 min

Lab File: BF140858.D

Acq: 16 Dec 2024 14:00

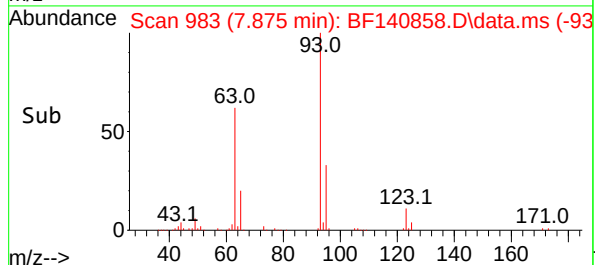
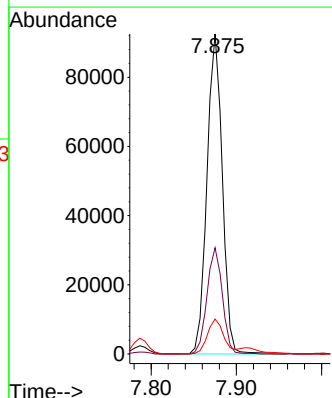
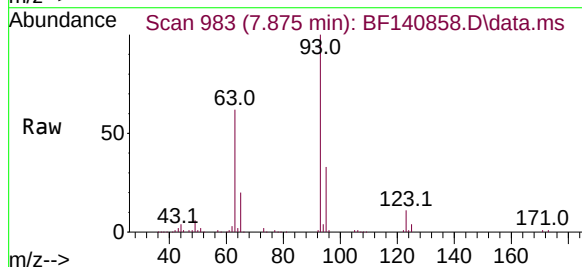
Tgt Ion: 93 Resp: 115605

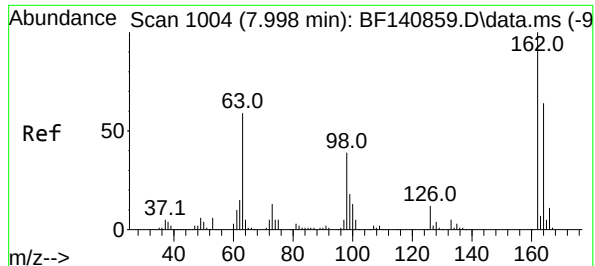
Ion Ratio Lower Upper

93 100

95 33.2 25.3 37.9

123 10.9 8.6 13.0





#29

2,4-Dichlorophenol

Concen: 20.575 ng

RT: 7.998 min Scan# 1004

Delta R.T. 0.000 min

Lab File: BF140858.D

Acq: 16 Dec 2024 14:00

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

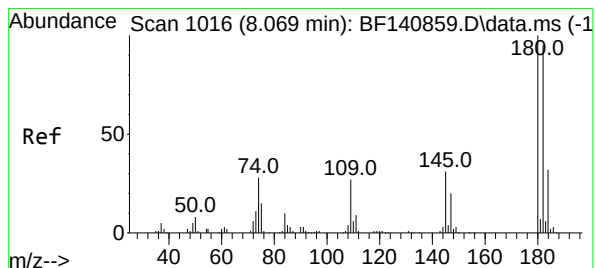
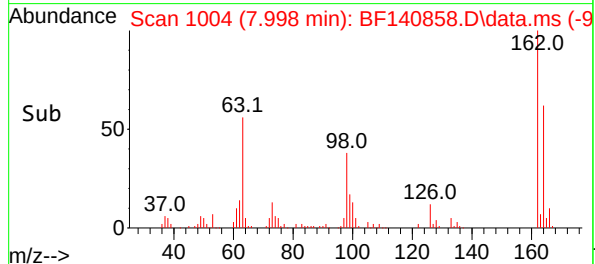
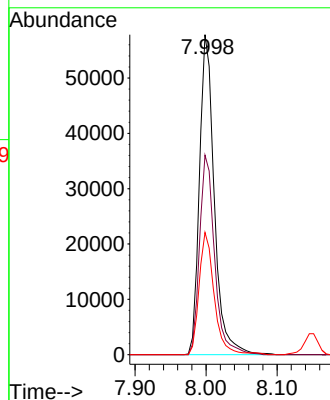
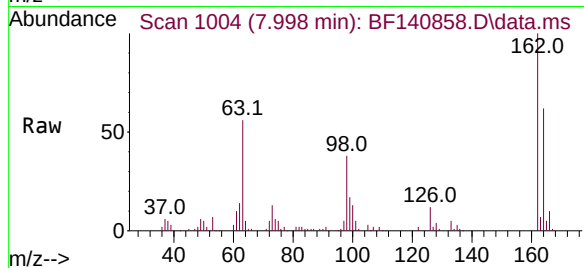
Tgt Ion:162 Resp: 84299

Ion Ratio Lower Upper

162 100

164 62.3 43.7 83.7

98 38.2 18.6 58.6



#30

1,2,4-Trichlorobenzene

Concen: 20.481 ng

RT: 8.069 min Scan# 1016

Delta R.T. 0.000 min

Lab File: BF140858.D

Acq: 16 Dec 2024 14:00

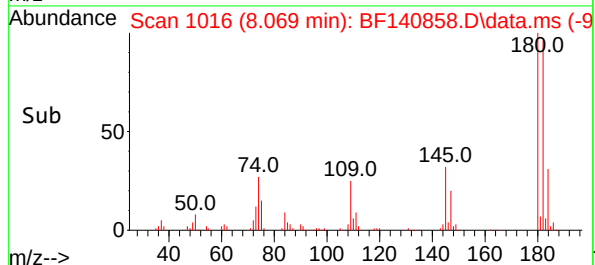
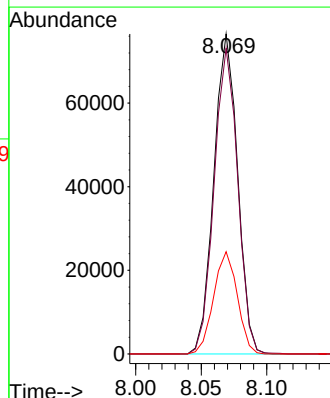
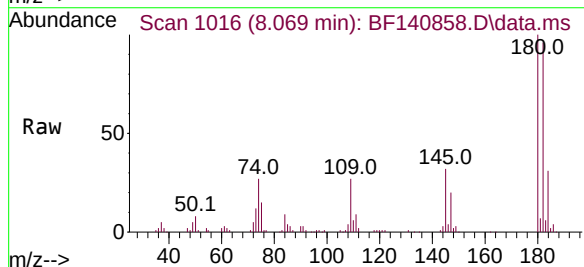
Tgt Ion:180 Resp: 96194

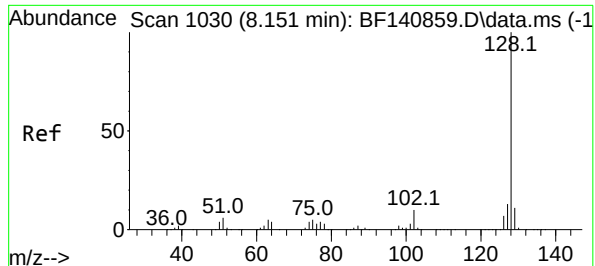
Ion Ratio Lower Upper

180 100

182 95.5 75.8 113.6

145 31.9 25.2 37.8





#31

Naphthalene

Concen: 20.500 ng

RT: 8.151 min Scan# 1030

Delta R.T. 0.000 min

Lab File: BF140858.D

Acq: 16 Dec 2024 14:00

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

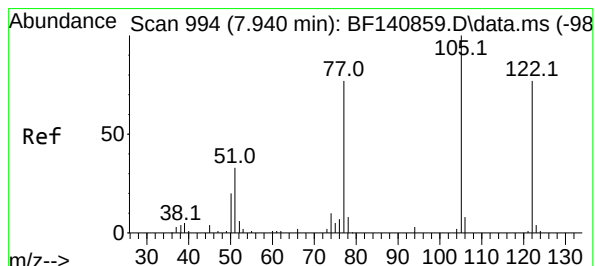
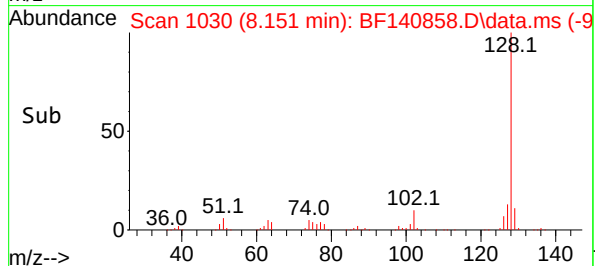
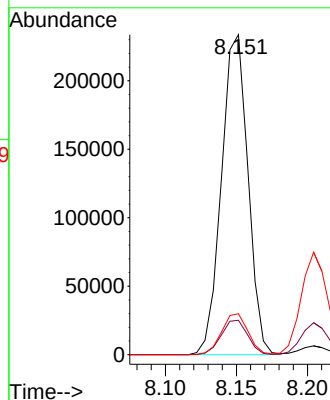
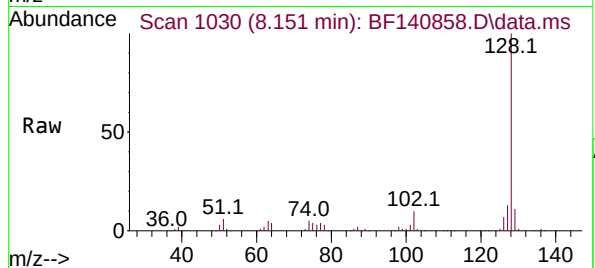
Tgt Ion:128 Resp: 303425

Ion Ratio Lower Upper

128 100

129 10.8 8.9 13.3

127 12.8 10.6 16.0



#32

Benzoic acid

Concen: 18.394 ng

RT: 7.910 min Scan# 989

Delta R.T. -0.030 min

Lab File: BF140858.D

Acq: 16 Dec 2024 14:00

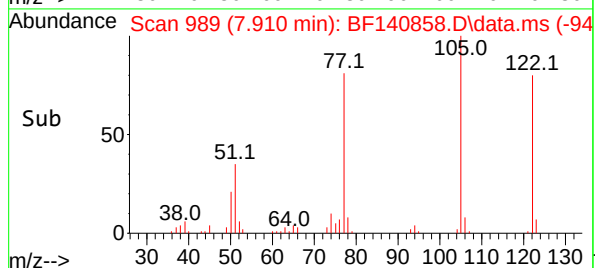
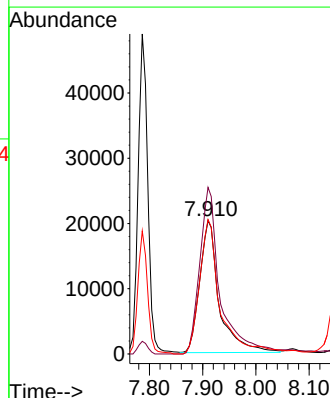
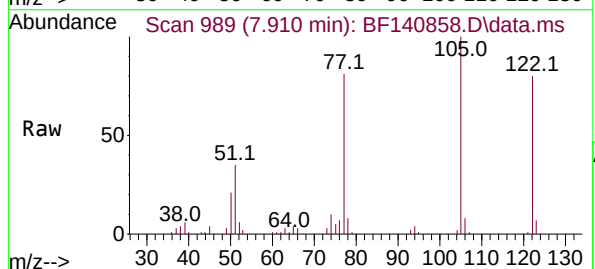
Tgt Ion:122 Resp: 51770

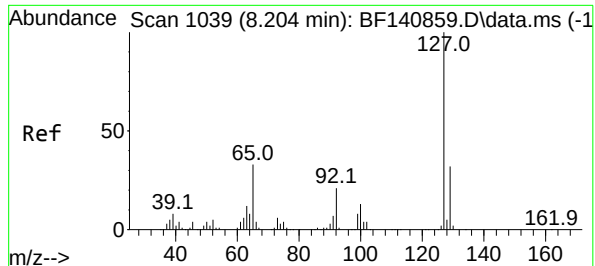
Ion Ratio Lower Upper

122 100

105 125.0 108.3 148.3

77 100.9 78.8 118.8





#33

4-Chloroaniline

Concen: 20.664 ng

RT: 8.204 min Scan# 1039

Delta R.T. 0.000 min

Lab File: BF140858.D

Acq: 16 Dec 2024 14:00

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:127 Resp: 101583

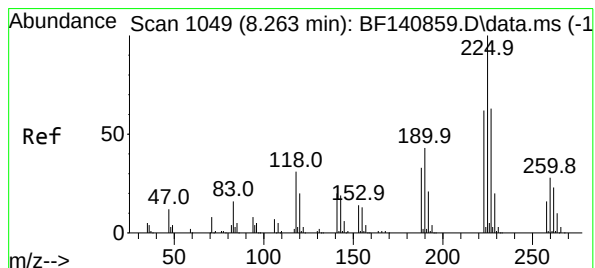
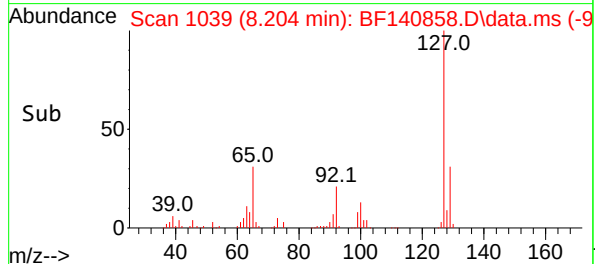
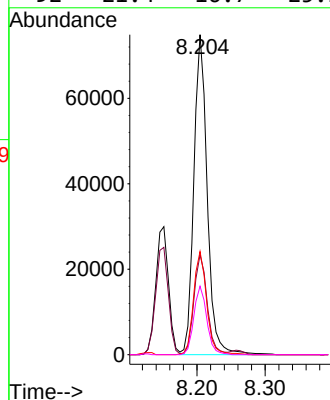
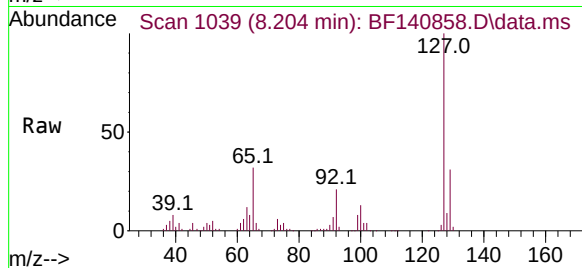
Ion Ratio Lower Upper

127 100

129 31.3 26.0 39.0

65 32.3 26.0 39.0

92 21.4 16.7 25.1



#34

Hexachlorobutadiene

Concen: 20.824 ng

RT: 8.263 min Scan# 1049

Delta R.T. 0.000 min

Lab File: BF140858.D

Acq: 16 Dec 2024 14:00

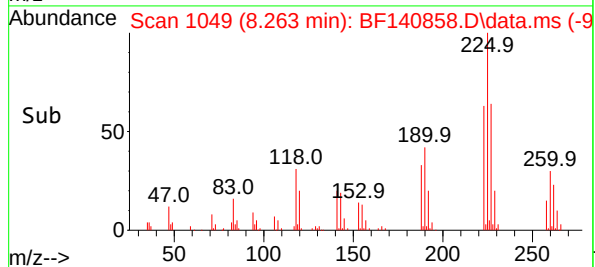
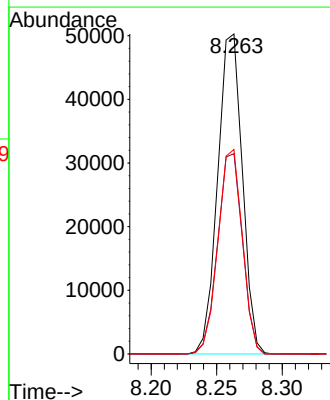
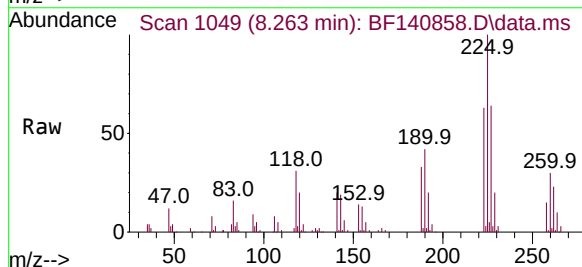
Tgt Ion:225 Resp: 65803

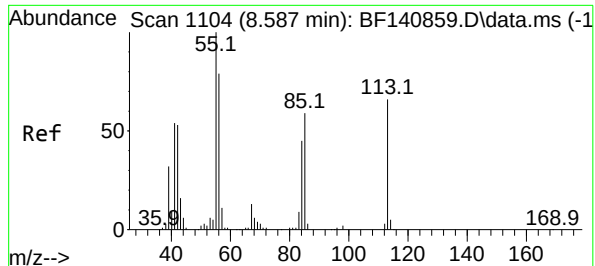
Ion Ratio Lower Upper

225 100

223 62.6 49.6 74.4

227 63.9 50.7 76.1





#35

Caprolactam

Concen: 19.958 ng

RT: 8.569 min Scan# 1104

Delta R.T. -0.018 min

Lab File: BF140858.D

Acq: 16 Dec 2024 14:00

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

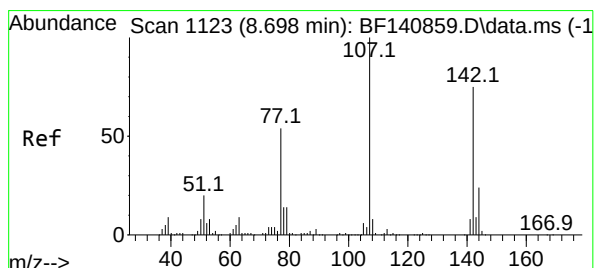
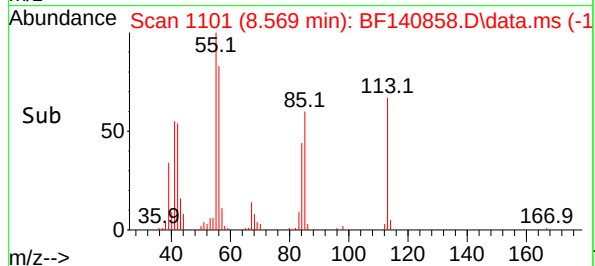
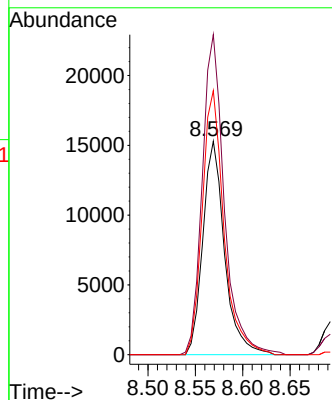
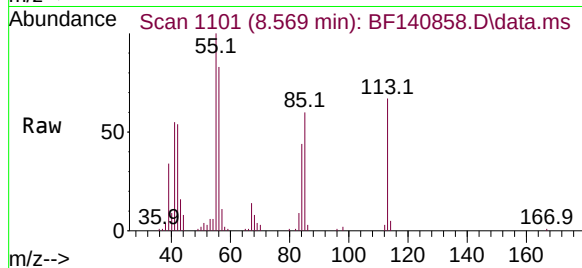
Tgt Ion:113 Resp: 24344

Ion Ratio Lower Upper

113 100

55 149.9 132.3 172.3

56 123.7 100.3 140.3



#36

4-Chloro-3-methylphenol

Concen: 20.300 ng

RT: 8.693 min Scan# 1122

Delta R.T. -0.006 min

Lab File: BF140858.D

Acq: 16 Dec 2024 14:00

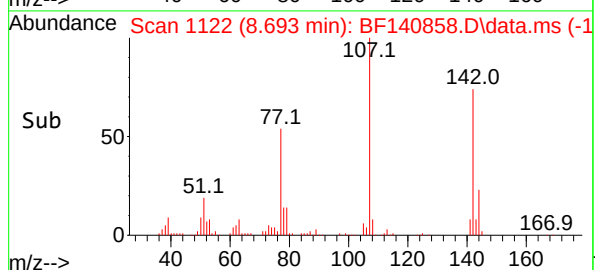
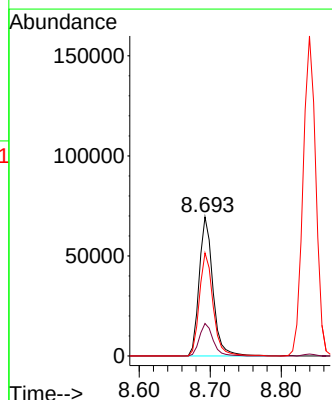
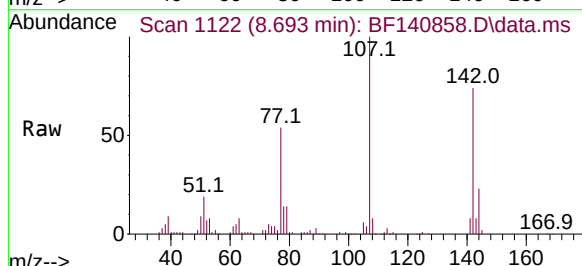
Tgt Ion:107 Resp: 93611

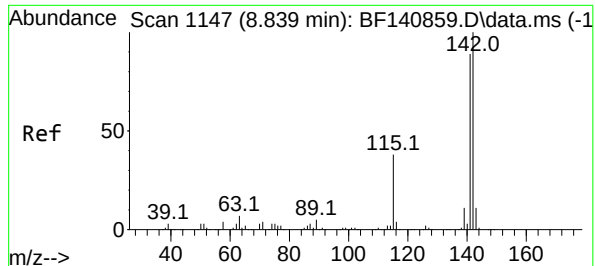
Ion Ratio Lower Upper

107 100

144 23.4 19.4 29.2

142 74.1 60.3 90.5





#37

2-Methylnaphthalene

Concen: 20.375 ng

RT: 8.840 min Scan# 1147

Delta R.T. 0.000 min

Lab File: BF140858.D

Acq: 16 Dec 2024 14:00

Instrument :

BNA_F

ClientSampleId :

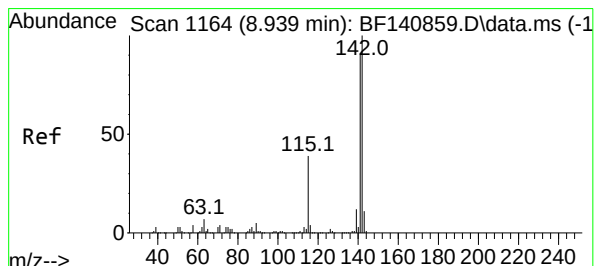
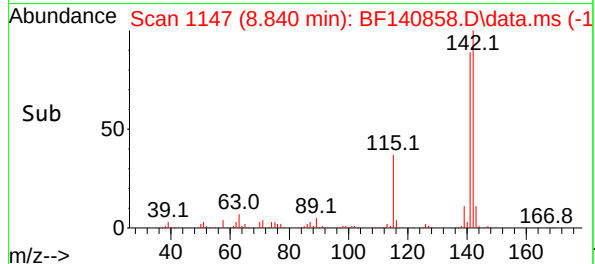
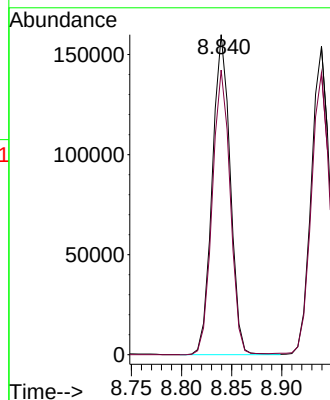
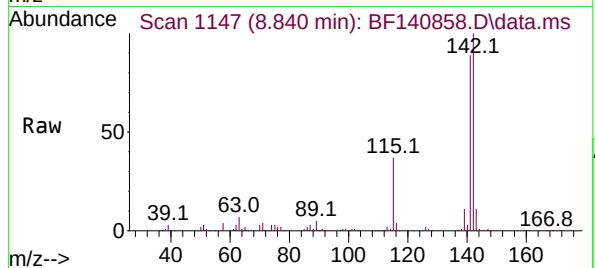
SSTDICC020

Tgt Ion:142 Resp: 199492

Ion Ratio Lower Upper

142 100

141 89.0 71.0 106.6



#38

1-Methylnaphthalene

Concen: 19.937 ng

RT: 8.940 min Scan# 1164

Delta R.T. 0.000 min

Lab File: BF140858.D

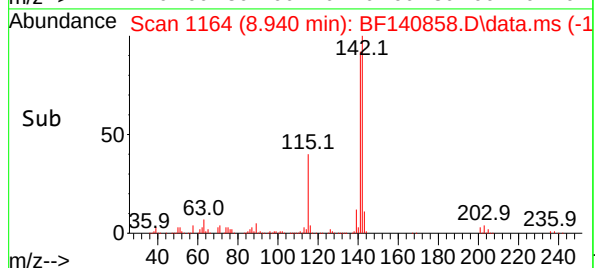
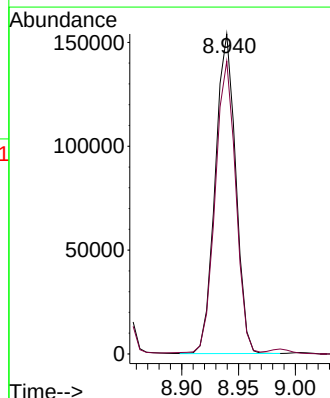
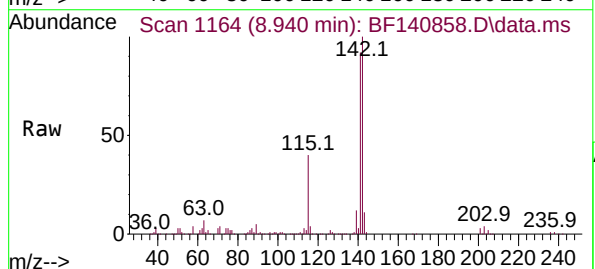
Acq: 16 Dec 2024 14:00

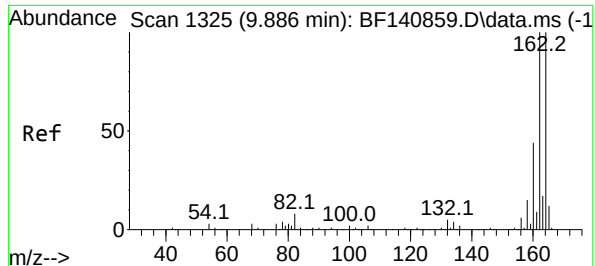
Tgt Ion:142 Resp: 193053

Ion Ratio Lower Upper

142 100

141 91.5 73.4 110.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.881 min Scan# 1175

Delta R.T. -0.006 min

Lab File: BF140858.D

Acq: 16 Dec 2024 14:00

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

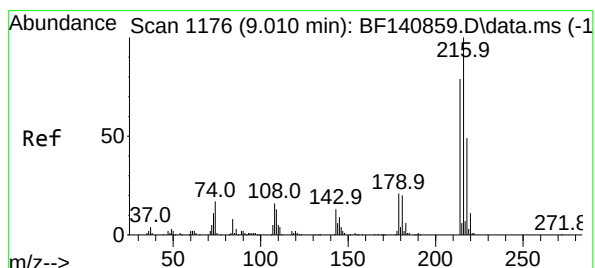
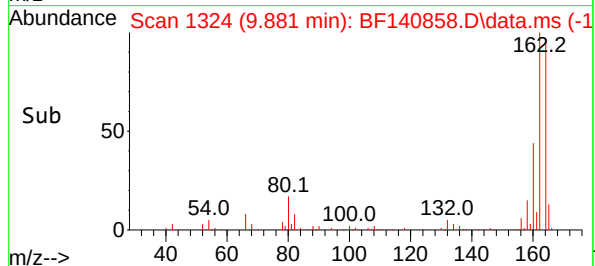
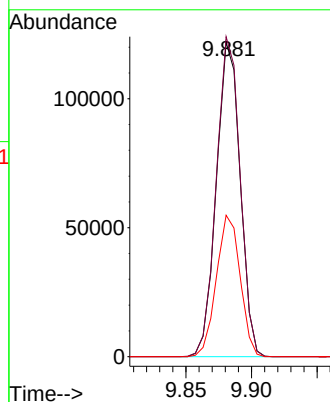
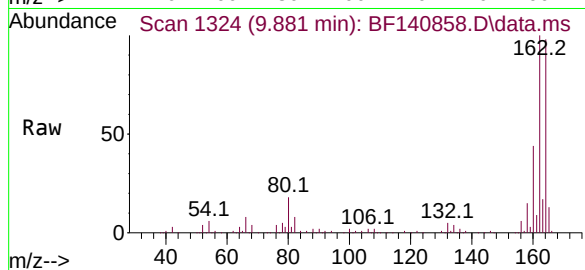
Tgt Ion:164 Resp: 153586

Ion Ratio Lower Upper

164 100

162 101.8 79.9 119.9

160 45.0 35.2 52.8



#40

1,2,4,5-Tetrachlorobenzene

Concen: 20.869 ng

RT: 9.004 min Scan# 1175

Delta R.T. -0.006 min

Lab File: BF140858.D

Acq: 16 Dec 2024 14:00

Tgt Ion:216 Resp: 98517

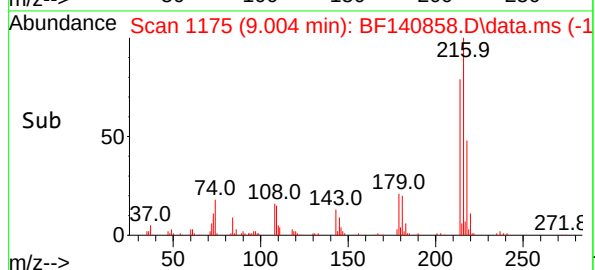
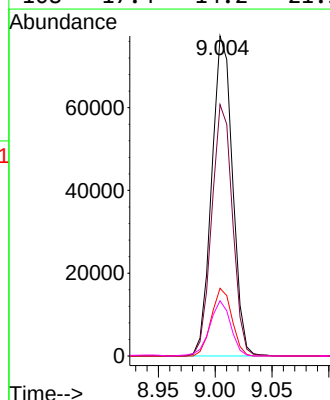
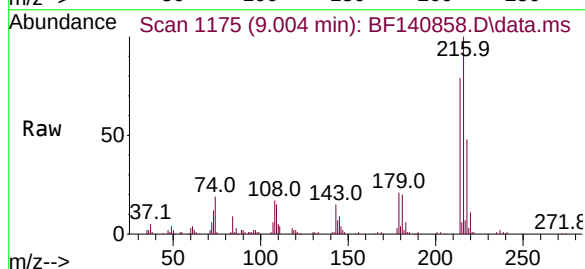
Ion Ratio Lower Upper

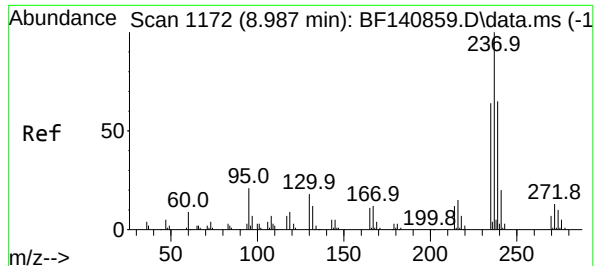
216 100

214 78.3 63.6 95.4

179 20.8 17.0 25.4

108 17.4 14.2 21.2

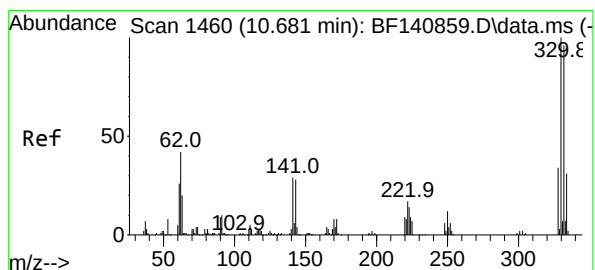
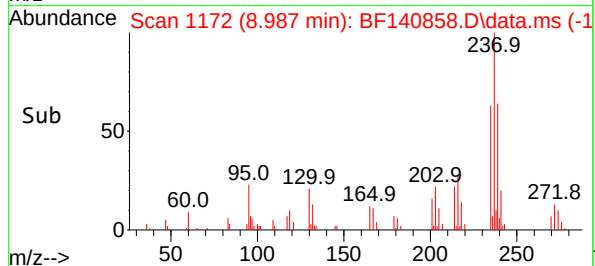
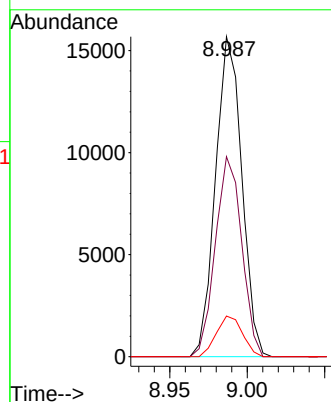
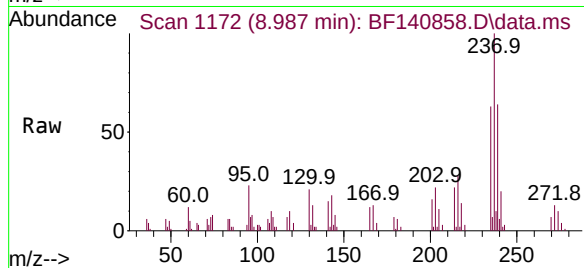




#41
Hexachlorocyclopentadiene
Concen: 21.391 ng
RT: 8.987 min Scan# 1172
Delta R.T. -0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

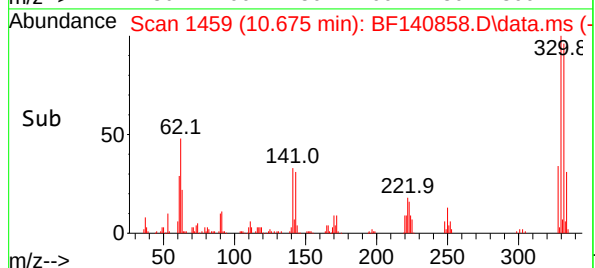
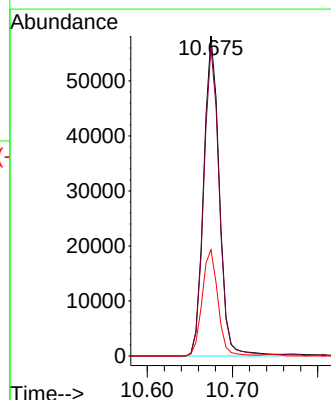
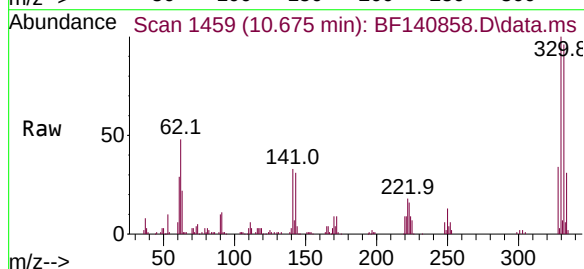
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

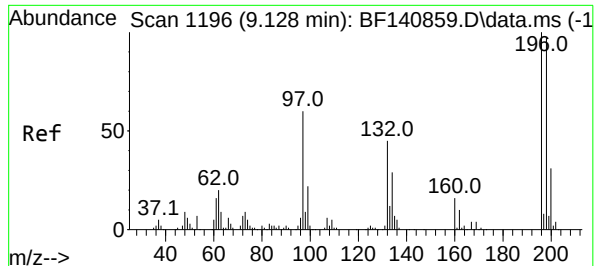
Tgt Ion:237 Resp: 18486
Ion Ratio Lower Upper
237 100
235 62.5 43.7 83.7
272 12.7 0.0 32.9



#42
2,4,6-Tribromophenol
Concen: 40.909 ng
RT: 10.675 min Scan# 1459
Delta R.T. -0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:330 Resp: 74311
Ion Ratio Lower Upper
330 100
332 96.4 76.2 114.4
141 33.3 24.9 37.3





#43

2,4,6-Trichlorophenol

Concen: 20.509 ng

RT: 9.128 min Scan# 1196

Delta R.T. 0.000 min

Lab File: BF140858.D

Acq: 16 Dec 2024 14:00

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

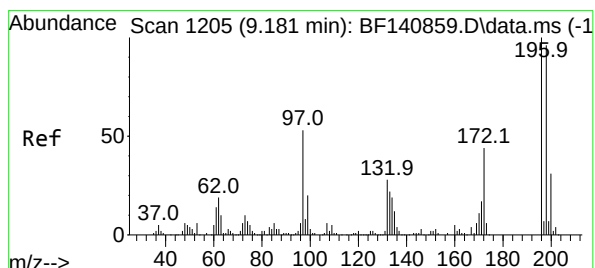
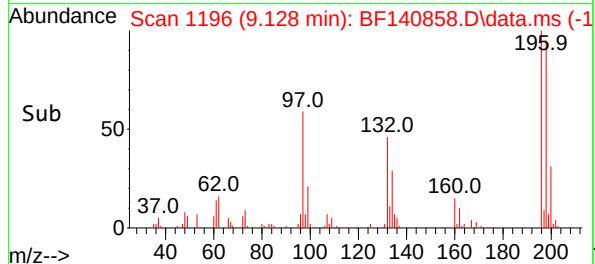
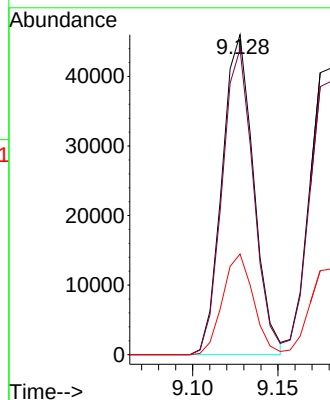
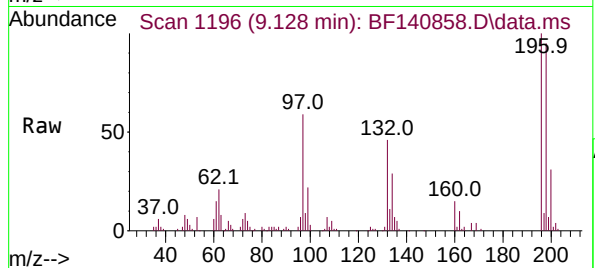
Tgt Ion:196 Resp: 59284

Ion Ratio Lower Upper

196 100

198 95.5 77.4 116.0

200 31.5 24.5 36.7



#44

2,4,5-Trichlorophenol

Concen: 20.600 ng

RT: 9.181 min Scan# 1205

Delta R.T. 0.000 min

Lab File: BF140858.D

Acq: 16 Dec 2024 14:00

Tgt Ion:196 Resp: 65450

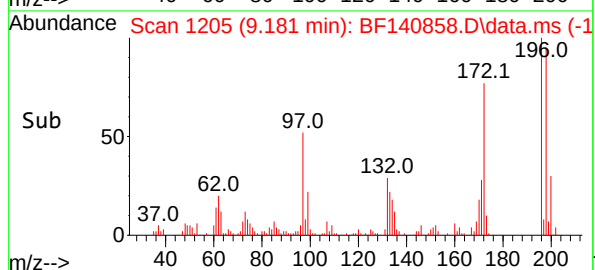
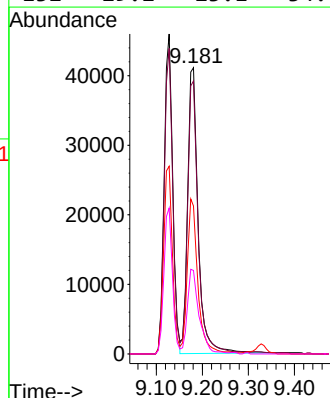
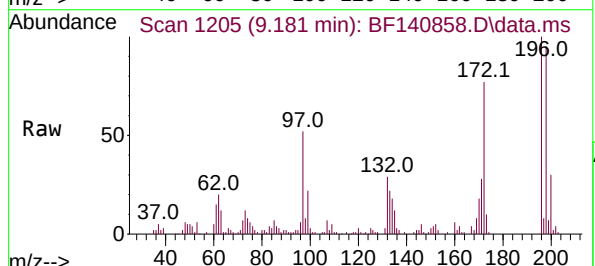
Ion Ratio Lower Upper

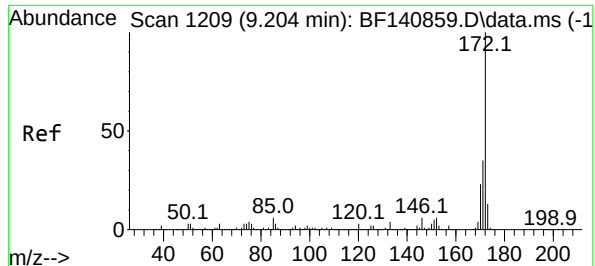
196 100

198 95.3 77.2 115.8

97 51.7 42.2 63.4

132 29.2 23.1 34.7





#45

2-Fluorobiphenyl

Concen: 42.281 ng

RT: 9.198 min Scan# 1208

Delta R.T. -0.006 min

Lab File: BF140858.D

Acq: 16 Dec 2024 14:00

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

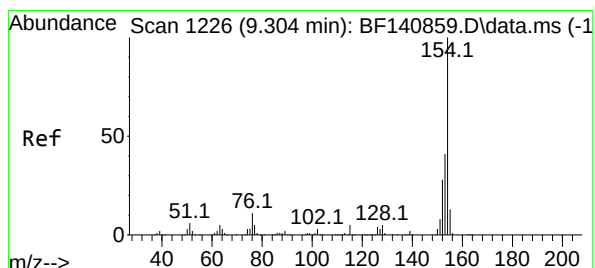
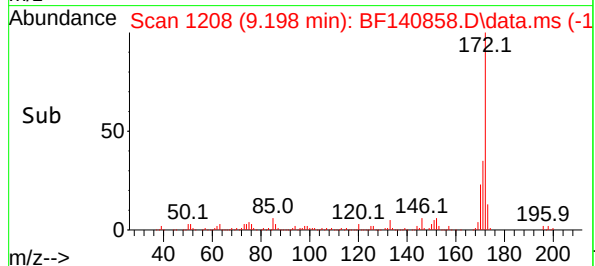
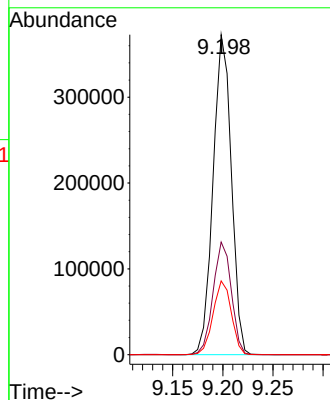
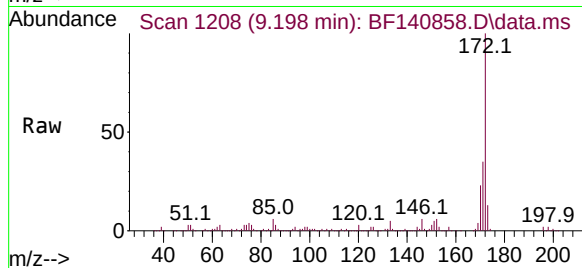
Tgt Ion:172 Resp: 472330

Ion Ratio Lower Upper

172 100

171 35.2 28.4 42.6

170 23.1 18.6 28.0



#46

1,1'-Biphenyl

Concen: 20.606 ng

RT: 9.304 min Scan# 1226

Delta R.T. 0.000 min

Lab File: BF140858.D

Acq: 16 Dec 2024 14:00

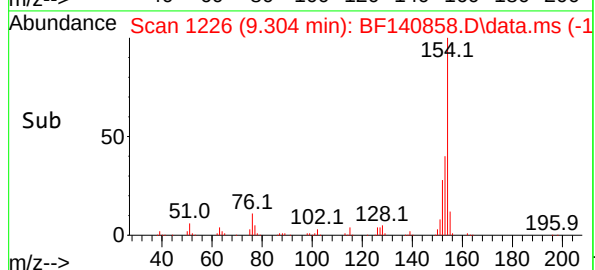
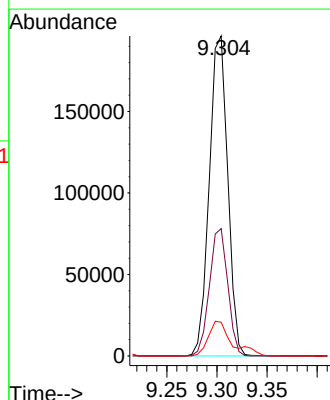
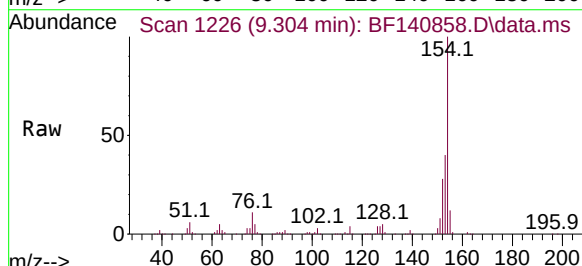
Tgt Ion:154 Resp: 251662

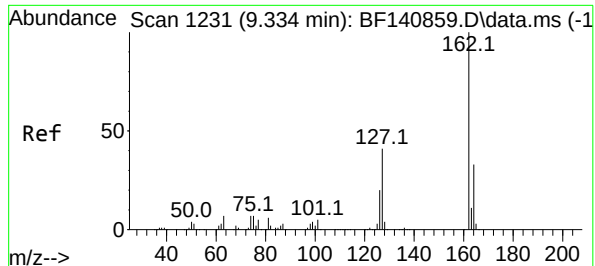
Ion Ratio Lower Upper

154 100

153 39.8 20.8 60.8

76 10.5 0.0 31.0





#47

2-Chloronaphthalene

Concen: 20.615 ng

RT: 9.328 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140858.D

Acq: 16 Dec 2024 14:00

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

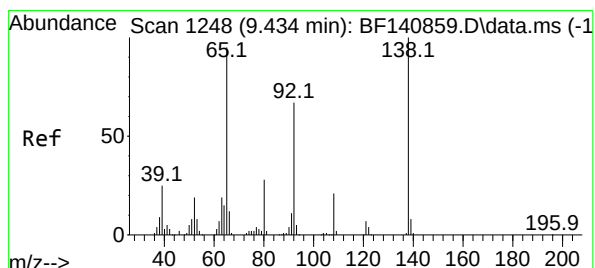
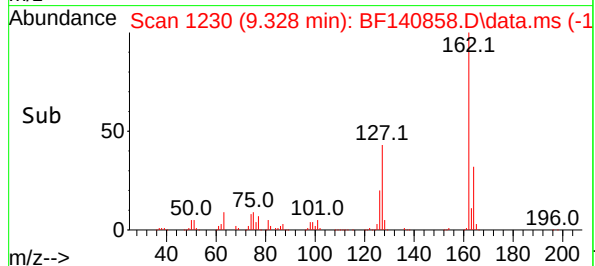
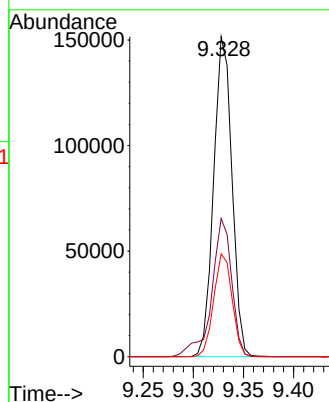
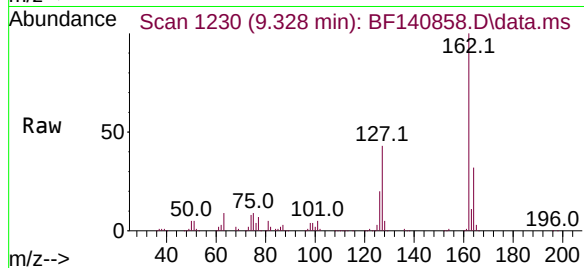
Tgt Ion:162 Resp: 192611

Ion Ratio Lower Upper

162 100

127 43.2 33.5 50.3

164 32.1 26.2 39.2



#48

2-Nitroaniline

Concen: 20.250 ng

RT: 9.434 min Scan# 1248

Delta R.T. 0.000 min

Lab File: BF140858.D

Acq: 16 Dec 2024 14:00

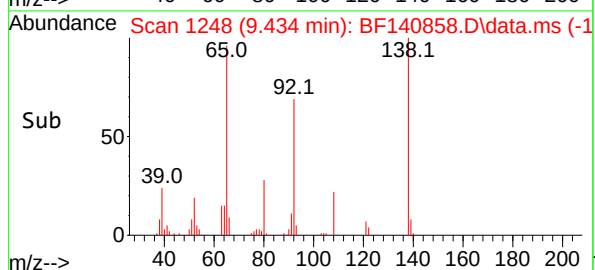
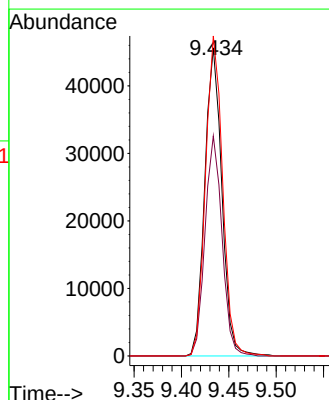
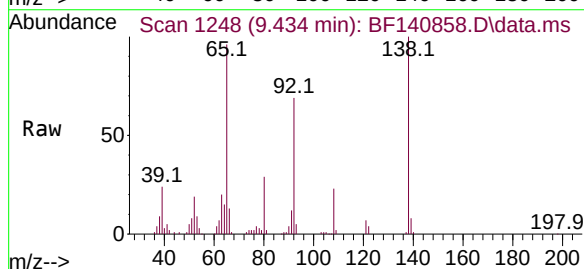
Tgt Ion: 65 Resp: 57140

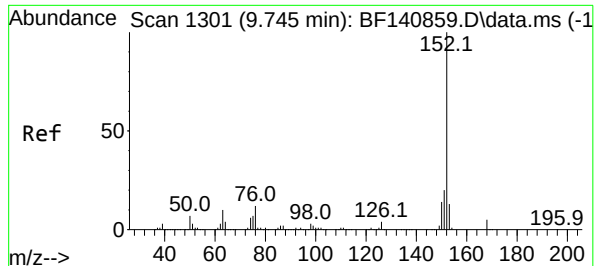
Ion Ratio Lower Upper

65 100

92 71.4 56.3 84.5

138 103.9 83.8 125.6





#49

Acenaphthylene

Concen: 21.027 ng

RT: 9.745 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF140858.D

Acq: 16 Dec 2024 14:00

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

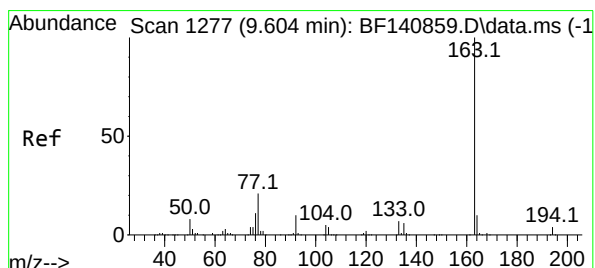
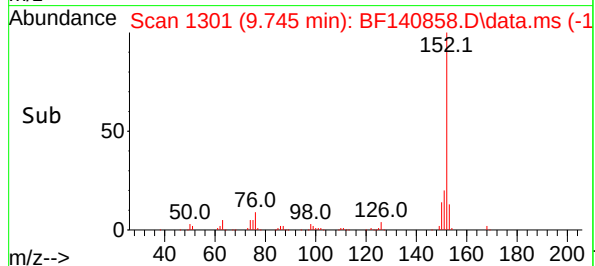
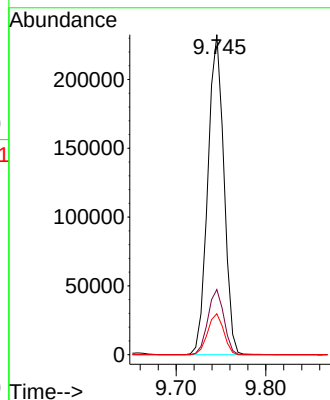
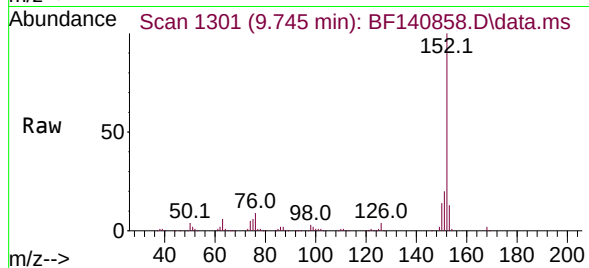
Tgt Ion:152 Resp: 288710

Ion Ratio Lower Upper

152 100

151 20.3 16.0 24.0

153 12.8 10.6 16.0



#50

Dimethylphthalate

Concen: 20.399 ng

RT: 9.598 min Scan# 1276

Delta R.T. -0.006 min

Lab File: BF140858.D

Acq: 16 Dec 2024 14:00

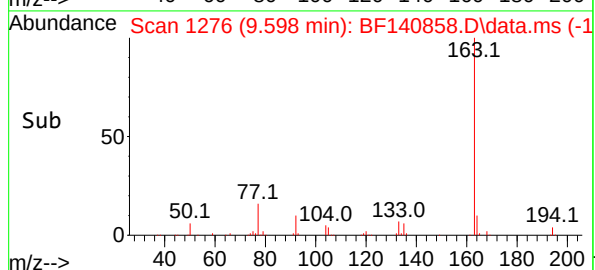
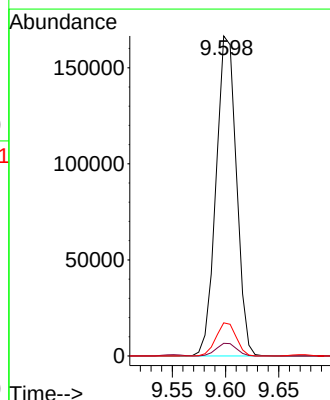
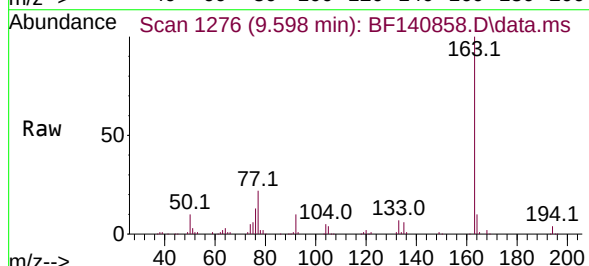
Tgt Ion:163 Resp: 220880

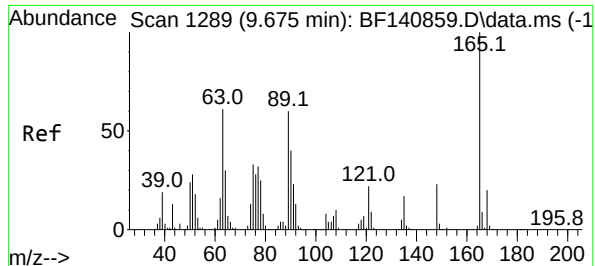
Ion Ratio Lower Upper

163 100

194 4.0 3.1 4.7

164 10.3 8.1 12.1





#51

2,6-Dinitrotoluene

Concen: 20.321 ng

RT: 9.669 min Scan# 1288

Delta R.T. -0.006 min

Lab File: BF140858.D

Acq: 16 Dec 2024 14:00

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

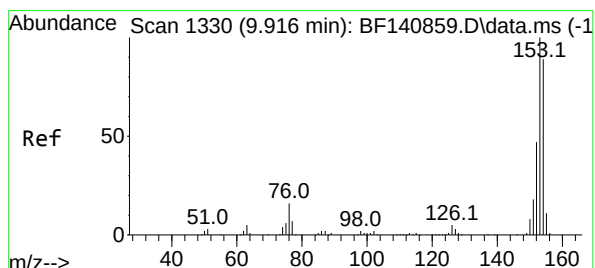
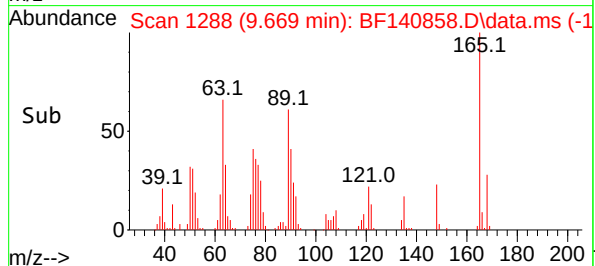
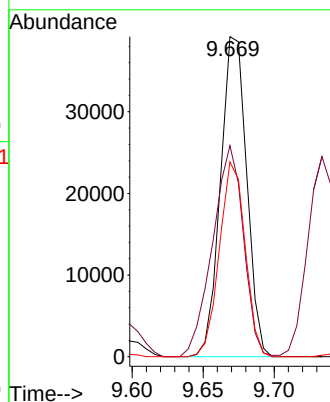
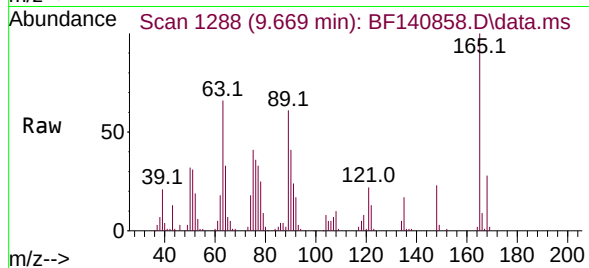
Tgt Ion:165 Resp: 50302

Ion Ratio Lower Upper

165 100

63 66.0 49.7 74.5

89 60.9 48.2 72.4



#52

Acenaphthene

Concen: 20.422 ng

RT: 9.916 min Scan# 1330

Delta R.T. 0.000 min

Lab File: BF140858.D

Acq: 16 Dec 2024 14:00

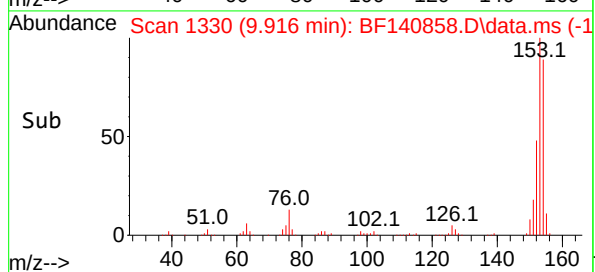
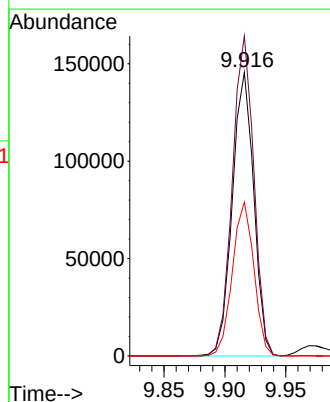
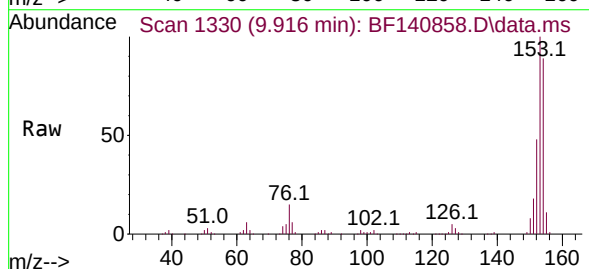
Tgt Ion:154 Resp: 179112

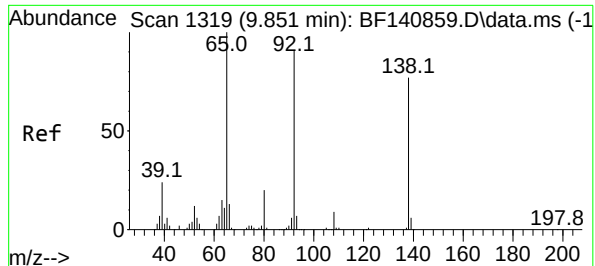
Ion Ratio Lower Upper

154 100

153 112.8 89.9 134.9

152 54.2 42.6 63.8

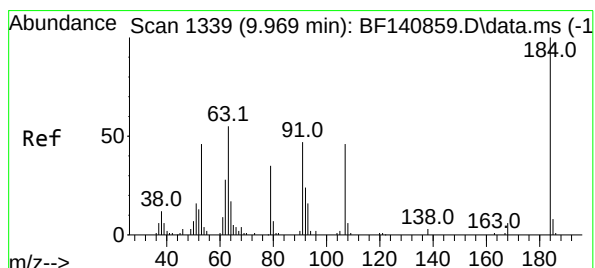
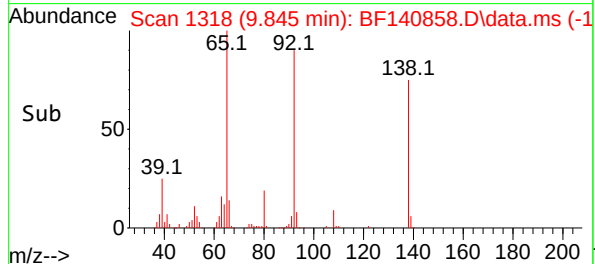
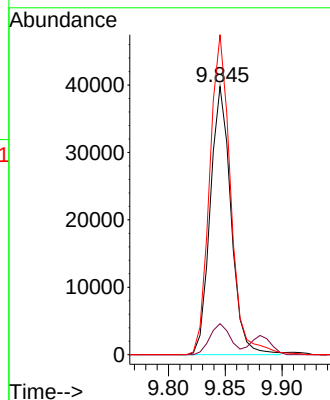
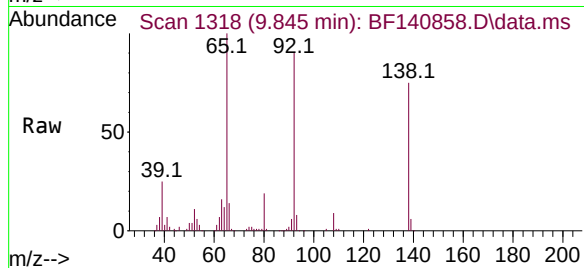




#53
3-Nitroaniline
Concen: 20.538 ng
RT: 9.845 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

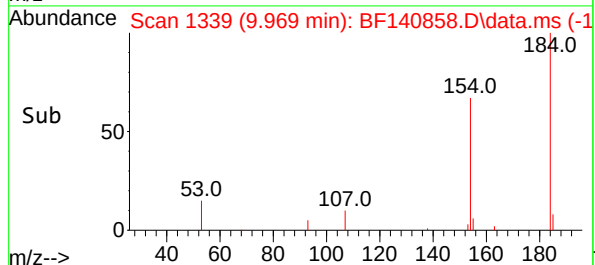
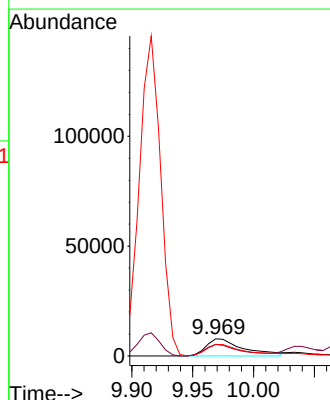
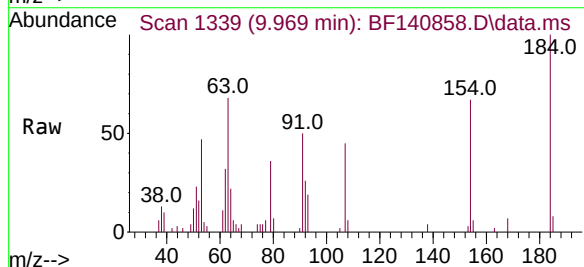
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

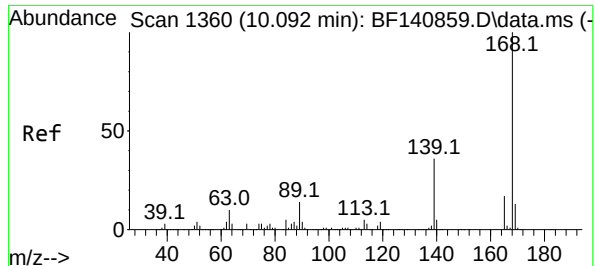
Tgt Ion:138 Resp: 50453
Ion Ratio Lower Upper
138 100
108 11.6 9.0 13.4
92 119.3 95.5 143.3



#54
2,4-Dinitrophenol
Concen: 19.139 ng
RT: 9.969 min Scan# 1339
Delta R.T. -0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:184 Resp: 16571
Ion Ratio Lower Upper
184 100
63 67.6 51.6 77.4
154 67.1 56.1 84.1

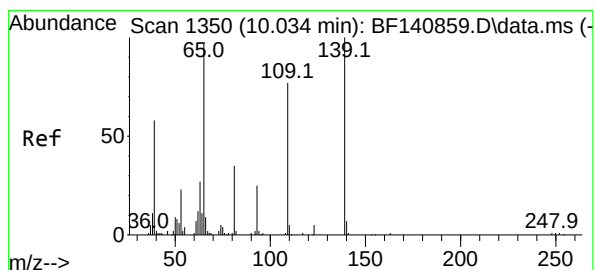
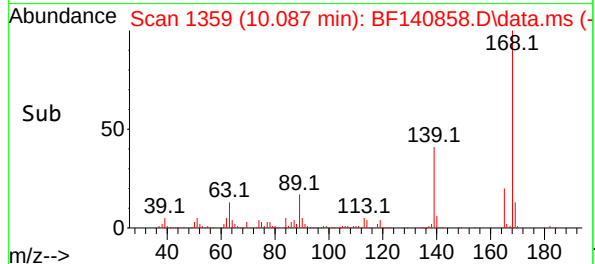
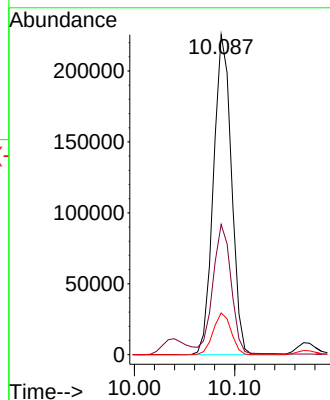
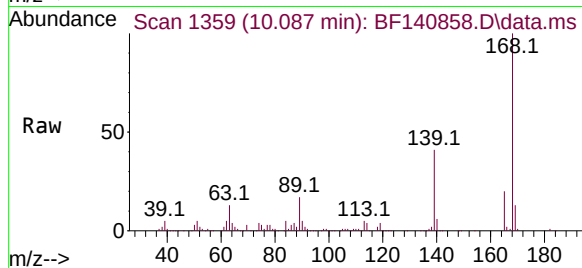




#55
Dibenzenofuran
Concen: 20.683 ng
RT: 10.087 min Scan# 1359
Delta R.T. -0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

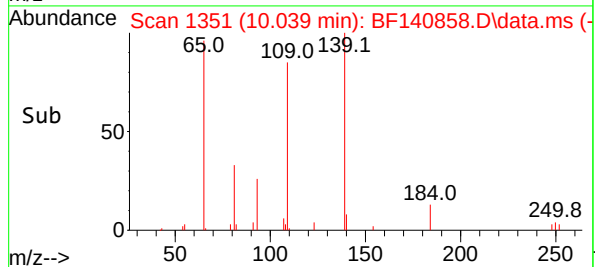
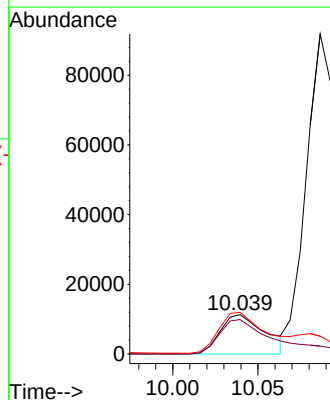
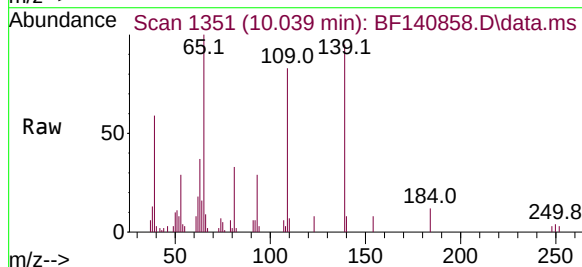
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

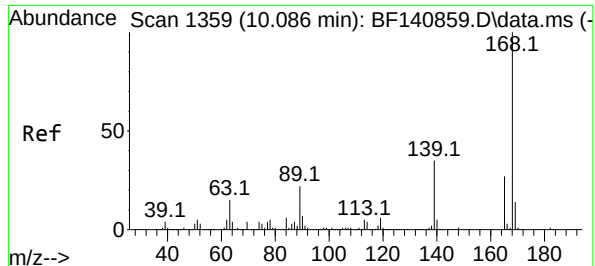
Tgt Ion:168 Resp: 281092
Ion Ratio Lower Upper
168 100
139 40.7 31.1 46.7
169 13.1 10.6 16.0



#56
4-Nitrophenol
Concen: 19.017 ng
RT: 10.039 min Scan# 1351
Delta R.T. 0.005 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:139 Resp: 20392
Ion Ratio Lower Upper
139 100
109 87.3 56.7 96.7
65 105.5 78.1 118.1





#57

2,4-Dinitrotoluene

Concen: 20.746 ng

RT: 10.081 min Scan# 1358

Delta R.T. -0.006 min

Lab File: BF140858.D

Acq: 16 Dec 2024 14:00

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:165 Resp: 67570

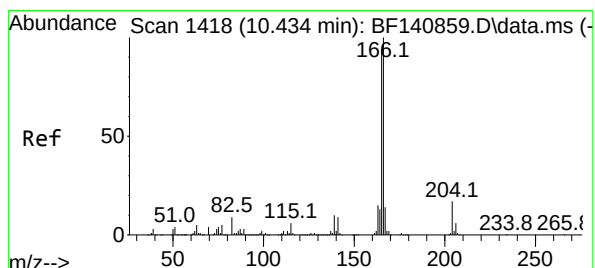
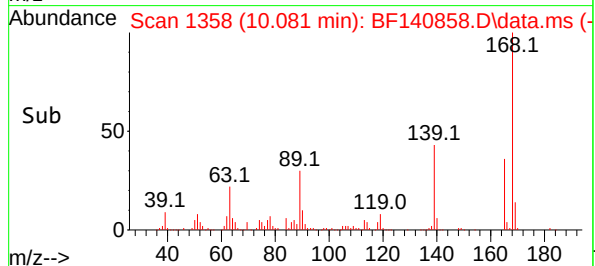
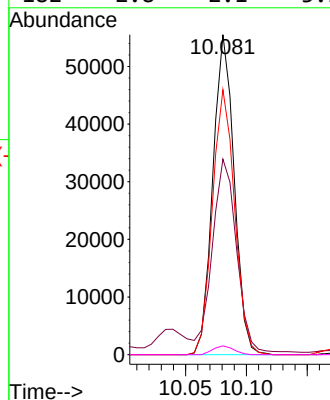
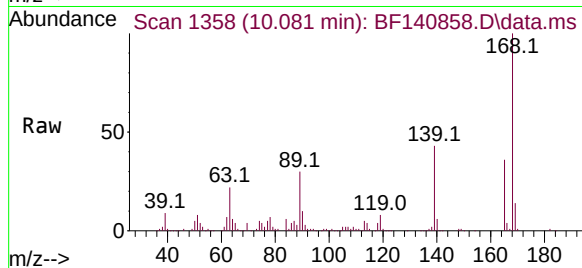
Ion Ratio Lower Upper

165 100

63 61.1 49.3 73.9

89 82.8 66.2 99.4

182 2.8 2.1 3.1



#58

Fluorene

Concen: 20.439 ng

RT: 10.434 min Scan# 1418

Delta R.T. 0.000 min

Lab File: BF140858.D

Acq: 16 Dec 2024 14:00

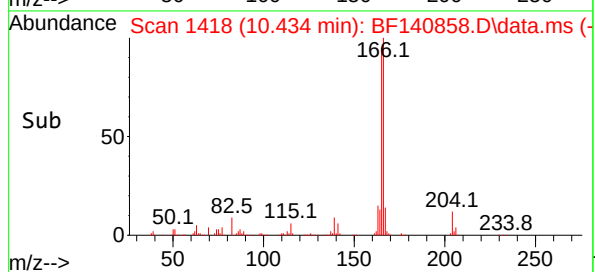
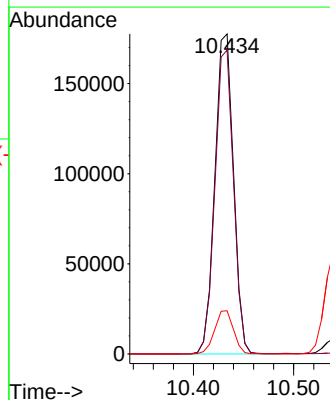
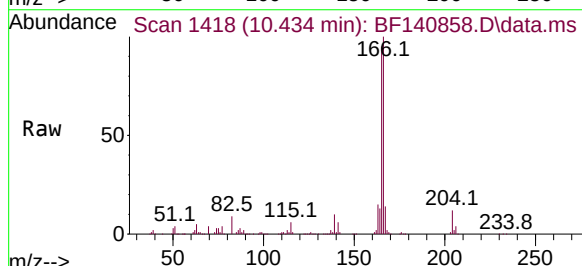
Tgt Ion:166 Resp: 229160

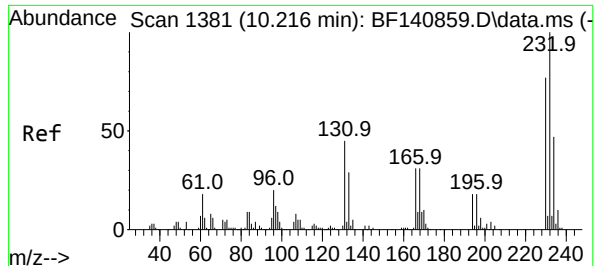
Ion Ratio Lower Upper

166 100

165 95.0 75.1 112.7

167 13.5 11.1 16.7

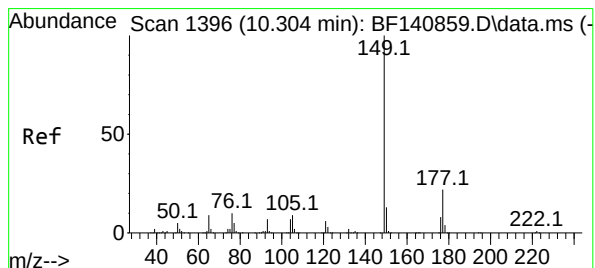
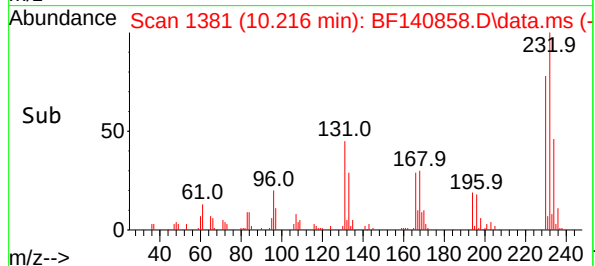
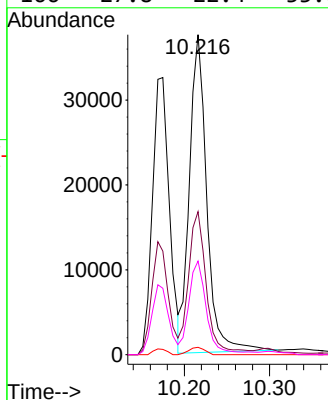
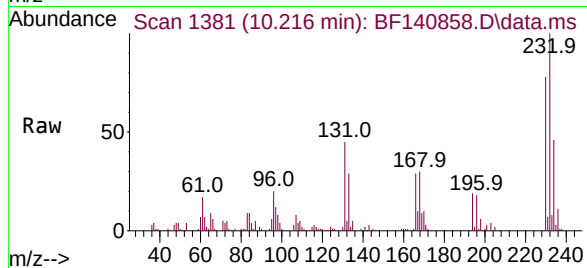




#59
2,3,4,6-Tetrachlorophenol
Concen: 20.459 ng
RT: 10.216 min Scan# 1381
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

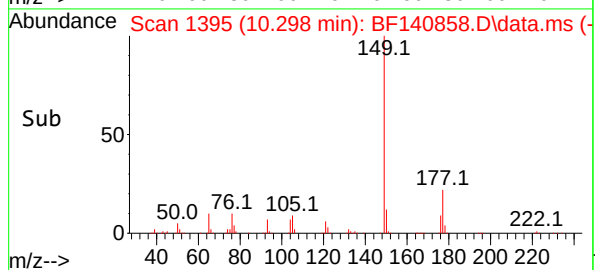
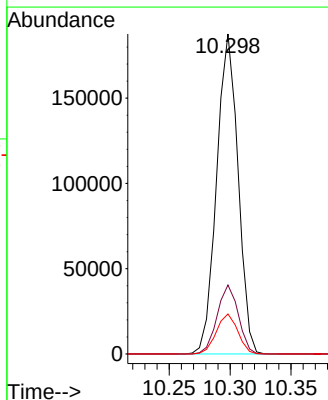
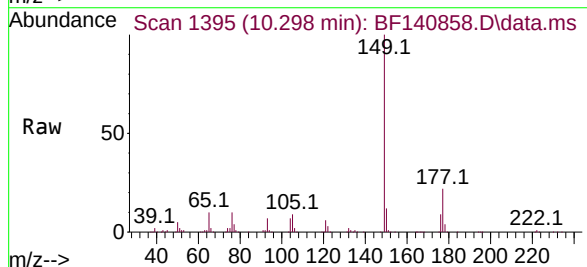
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

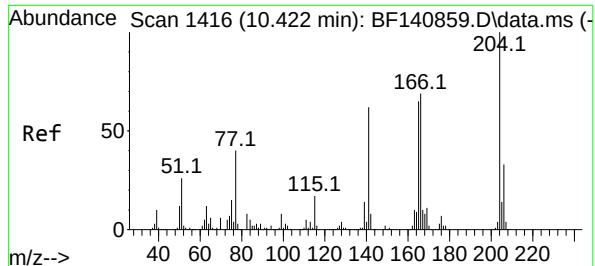
Tgt Ion:232 Resp: 52966
Ion Ratio Lower Upper
232 100
131 46.0 35.1 52.7
130 2.1 1.8 2.8
166 27.8 22.4 33.6



#60
Diethylphthalate
Concen: 20.466 ng
RT: 10.298 min Scan# 1395
Delta R.T. -0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:149 Resp: 229798
Ion Ratio Lower Upper
149 100
177 21.5 17.2 25.8
150 12.5 10.1 15.1

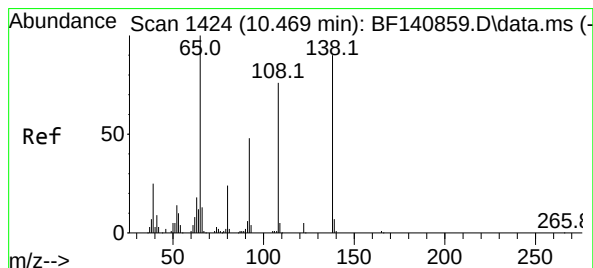
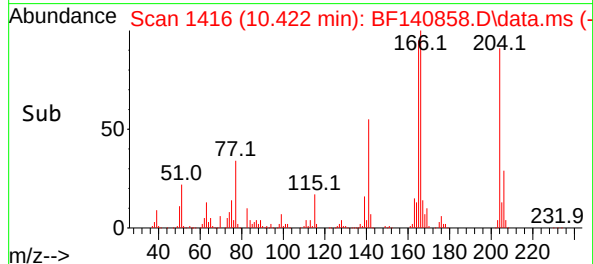
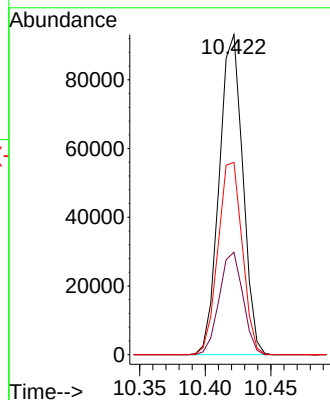
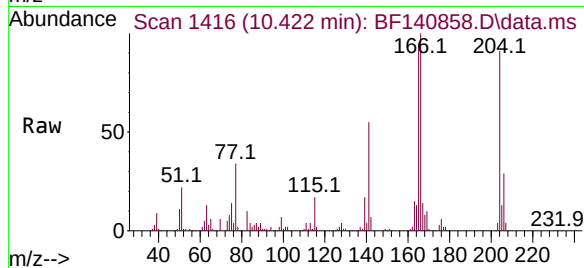




#61
4-Chlorophenyl-phenylether
Concen: 20.693 ng
RT: 10.422 min Scan# 1416
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

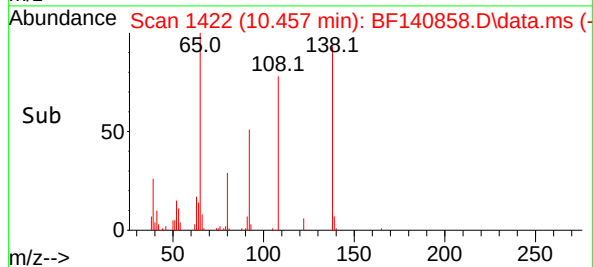
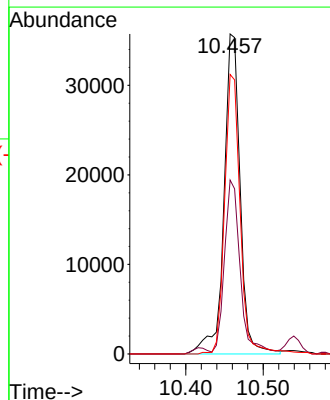
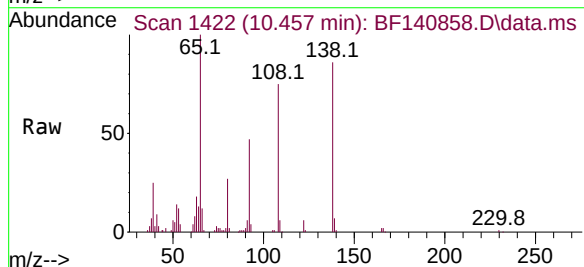
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

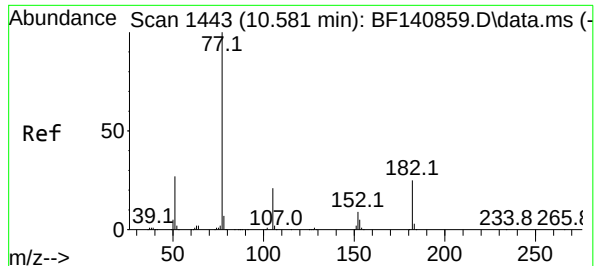
Tgt Ion:204 Resp: 116545
Ion Ratio Lower Upper
204 100
206 32.0 26.5 39.7
141 60.1 50.0 75.0



#62
4-Nitroaniline
Concen: 20.263 ng
RT: 10.457 min Scan# 1422
Delta R.T. -0.012 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:138 Resp: 52016
Ion Ratio Lower Upper
138 100
92 54.4 32.6 72.6
108 87.4 64.1 104.1

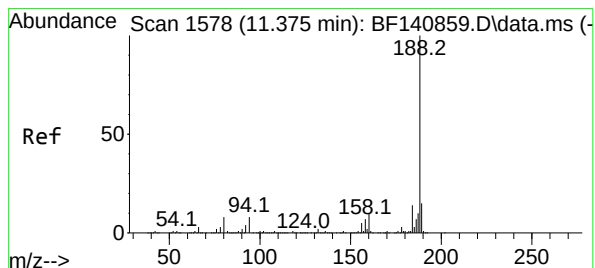
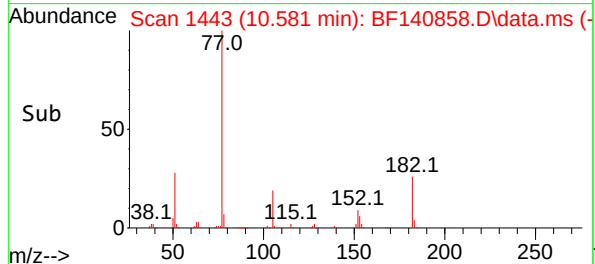
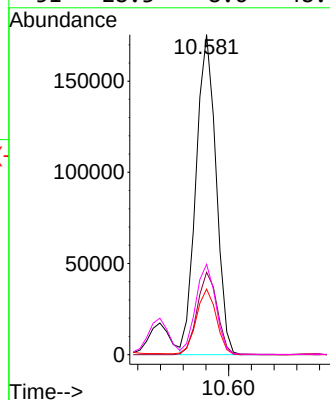
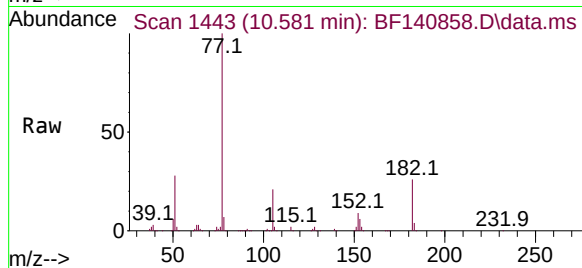




#63
Azobenzene
Concen: 20.286 ng
RT: 10.581 min Scan# 1443
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

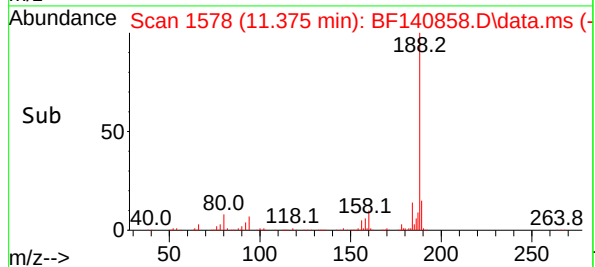
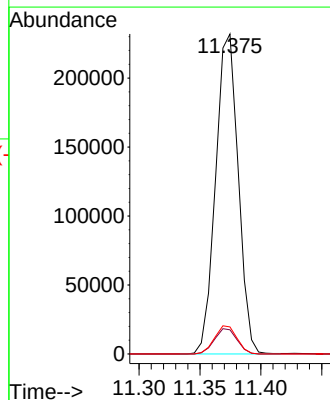
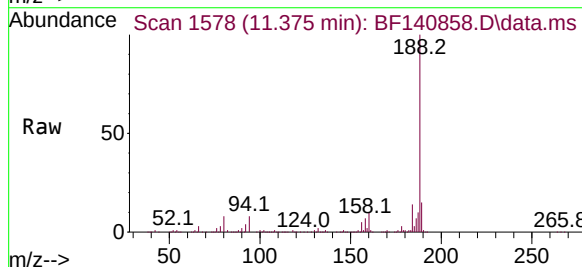
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

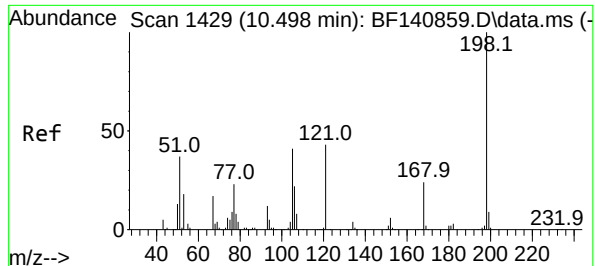
Tgt Ion: 77	Resp: 214137
Ion Ratio	Lower Upper
77 100	
182 25.8	4.5 44.5
105 20.5	0.9 40.9
51 28.3	8.6 48.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.375 min Scan# 1578
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion: 188	Resp: 299699
Ion Ratio	Lower Upper
188 100	
94 7.6	6.4 9.6
80 8.4	6.8 10.2

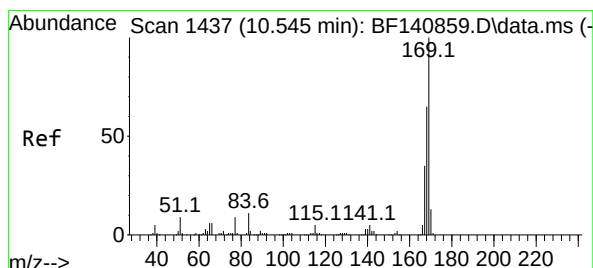
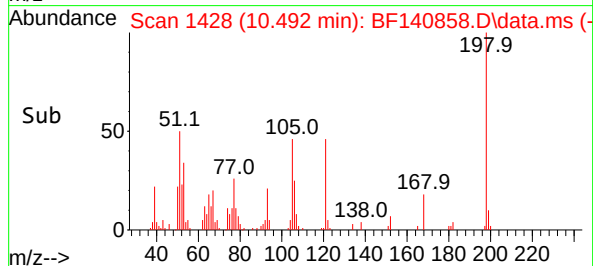
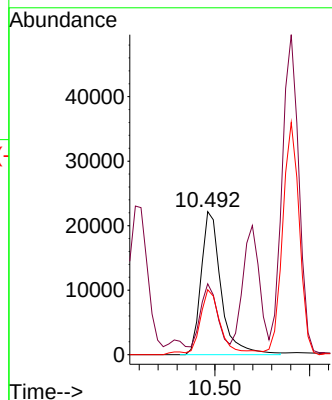
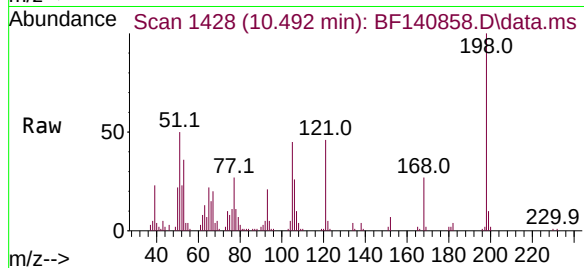




#65
4,6-Dinitro-2-methylphenol
Concen: 19.149 ng
RT: 10.492 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

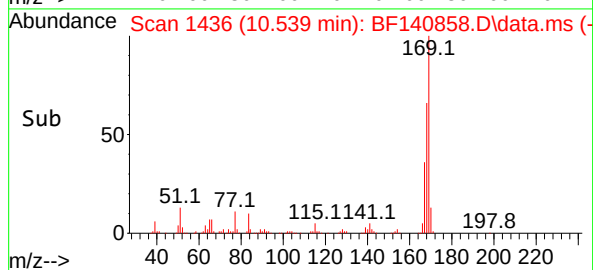
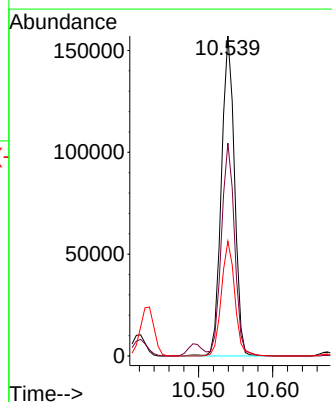
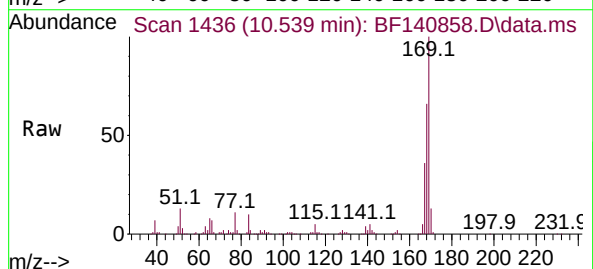
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

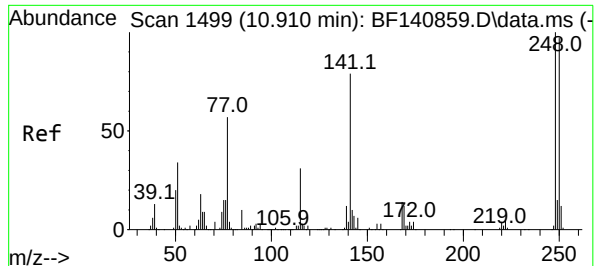
Tgt Ion:198 Resp: 32520
Ion Ratio Lower Upper
198 100
51 49.6 24.4 64.4
105 45.4 22.1 62.1



#66
n-Nitrosodiphenylamine
Concen: 20.932 ng
RT: 10.539 min Scan# 1436
Delta R.T. -0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:169 Resp: 192873
Ion Ratio Lower Upper
169 100
168 66.5 53.4 80.0
167 35.9 28.3 42.5

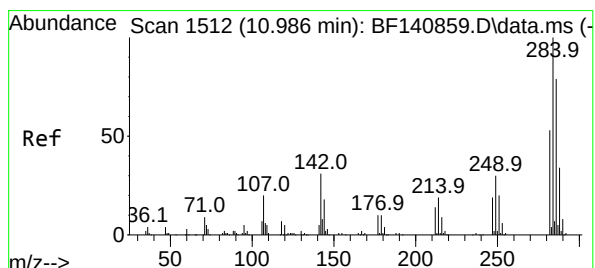
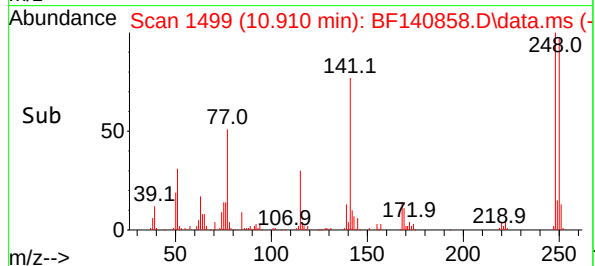
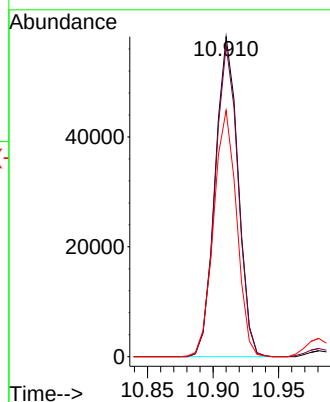
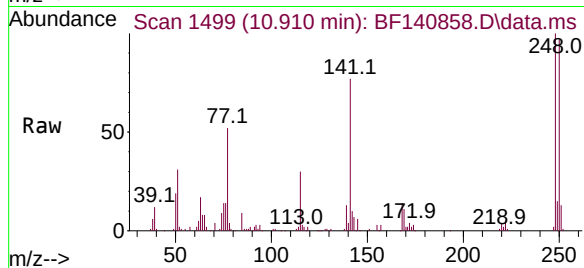




#67
4-Bromophenyl-phenylether
Concen: 21.118 ng
RT: 10.910 min Scan# 1499
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

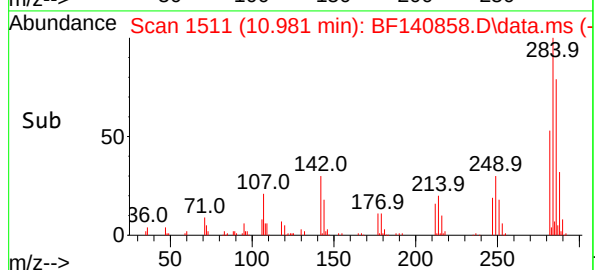
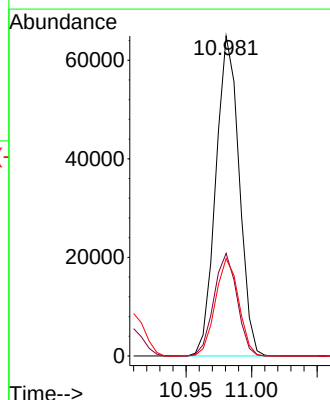
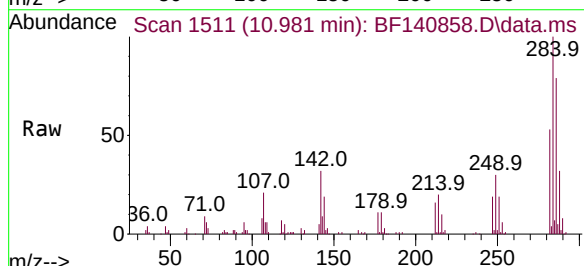
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

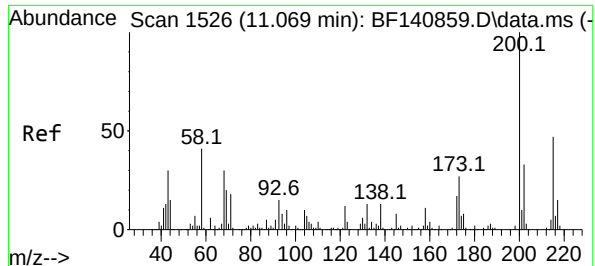
Tgt Ion:248 Resp: 70804
Ion Ratio Lower Upper
248 100
250 97.3 77.4 116.2
141 77.0 62.9 94.3



#68
Hexachlorobenzene
Concen: 21.095 ng
RT: 10.981 min Scan# 1511
Delta R.T. -0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:284 Resp: 80189
Ion Ratio Lower Upper
284 100
142 32.0 24.6 36.8
249 30.5 24.3 36.5





#69

Atrazine

Concen: 22.488 ng

RT: 11.069 min Scan# 1526

Delta R.T. 0.000 min

Lab File: BF140858.D

Acq: 16 Dec 2024 14:00

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

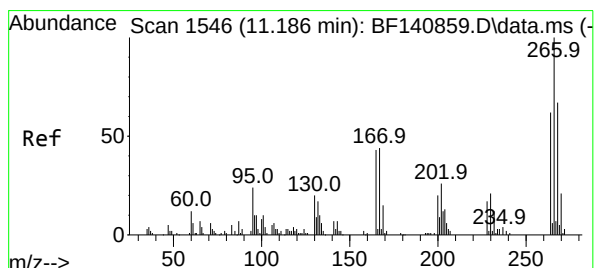
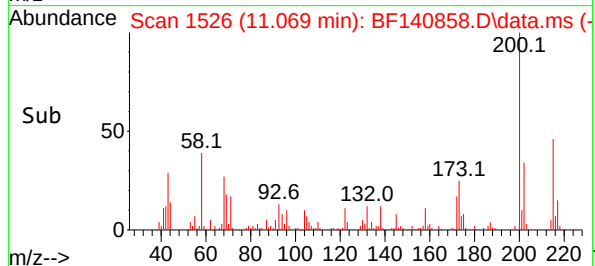
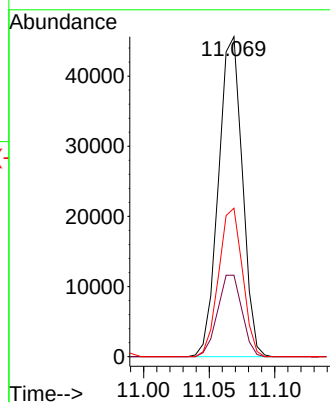
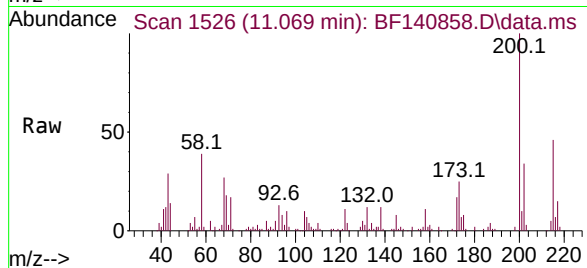
Tgt Ion:200 Resp: 57872

Ion Ratio Lower Upper

200 100

173 25.5 6.6 46.6

215 46.4 26.7 66.7



#70

Pentachlorophenol

Concen: 17.726 ng m

RT: 11.186 min Scan# 1546

Delta R.T. 0.000 min

Lab File: BF140858.D

Acq: 16 Dec 2024 14:00

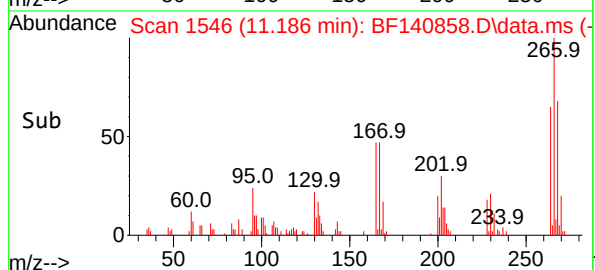
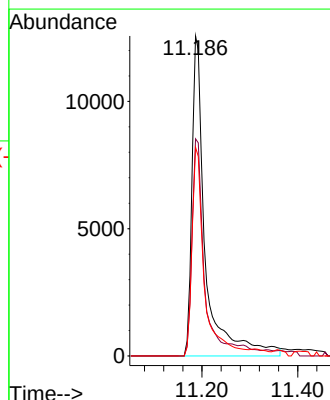
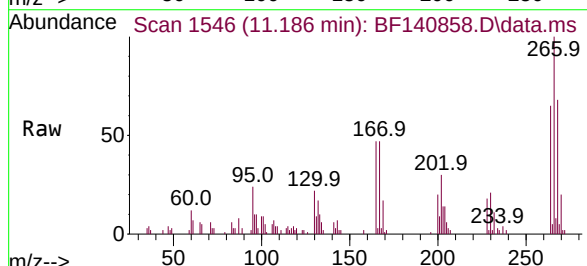
Tgt Ion:266 Resp: 24650

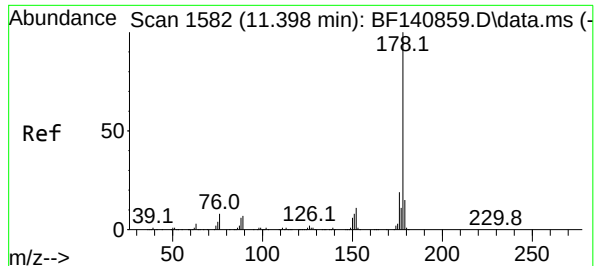
Ion Ratio Lower Upper

266 100

268 67.9 54.0 81.0

264 65.2 49.4 74.2

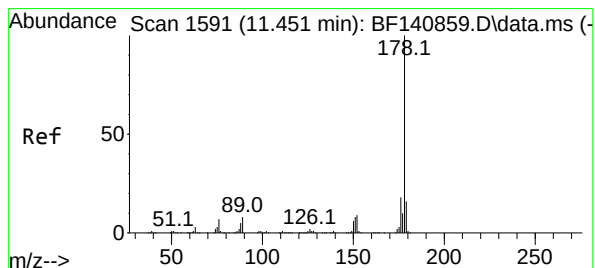
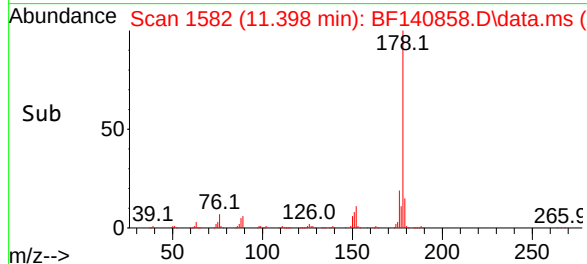
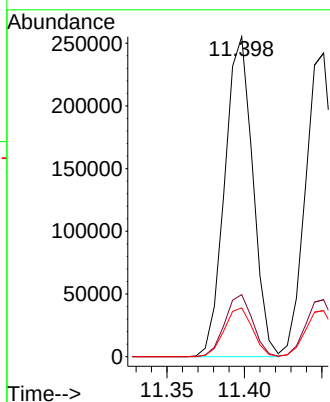
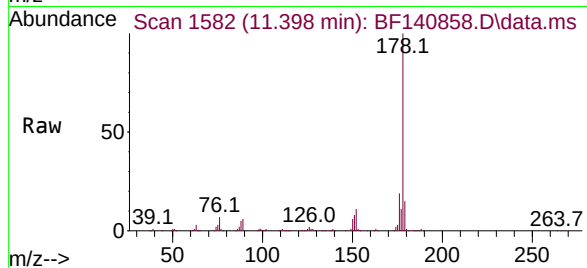




#71
Phenanthrene
Concen: 20.854 ng
RT: 11.398 min Scan# 1582
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

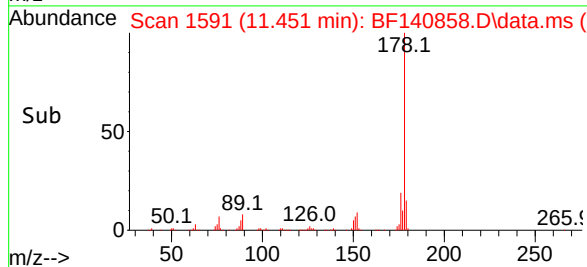
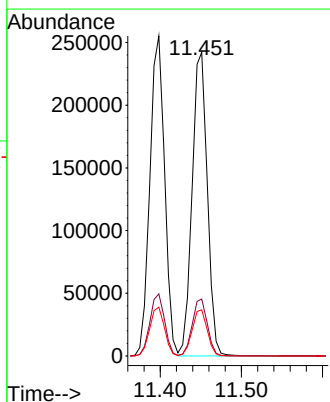
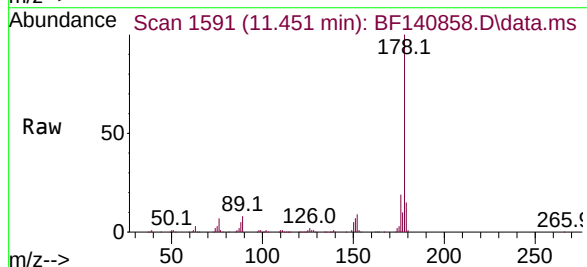
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

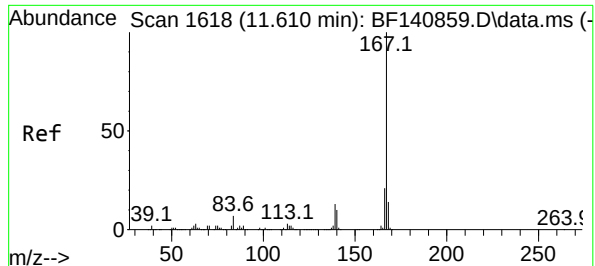
Tgt Ion:178 Resp: 321392
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.2
179 15.3 12.1 18.1



#72
Anthracene
Concen: 20.798 ng
RT: 11.451 min Scan# 1591
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:178 Resp: 315664
Ion Ratio Lower Upper
178 100
176 18.8 14.6 22.0
179 15.2 12.6 18.8

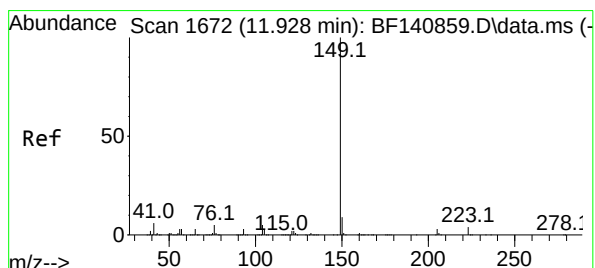
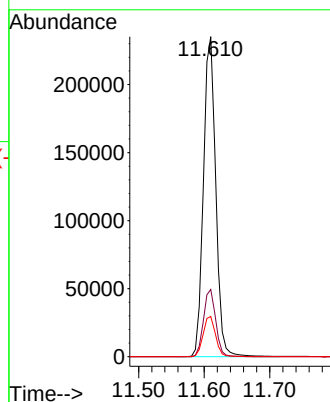
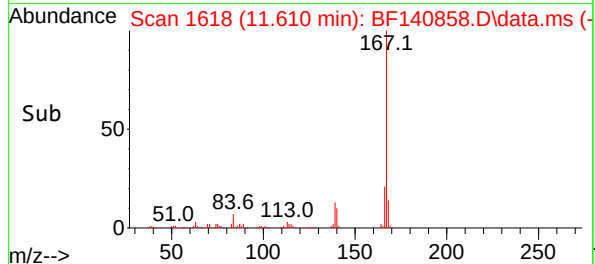
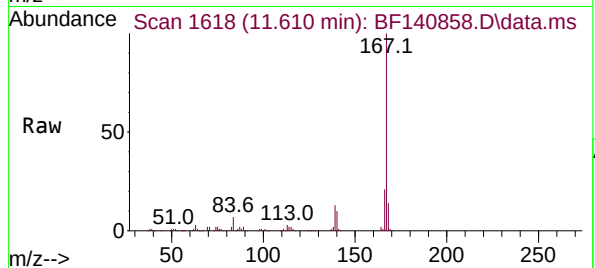




#73
Carbazole
Concen: 20.692 ng
RT: 11.610 min Scan# 1618
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

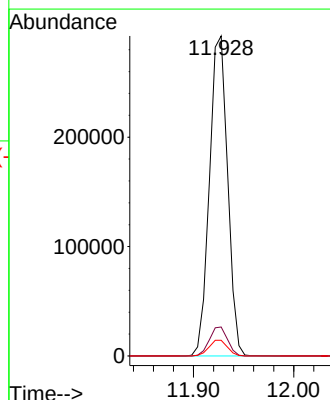
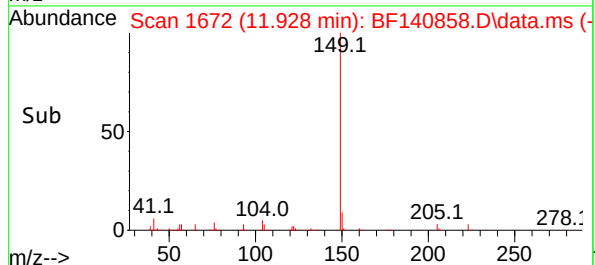
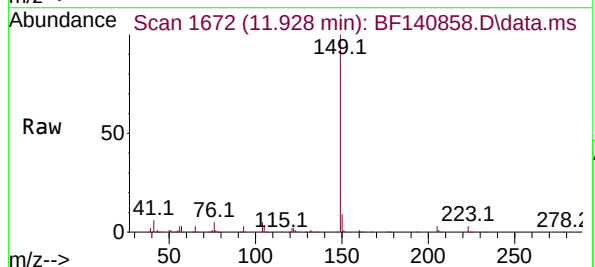
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

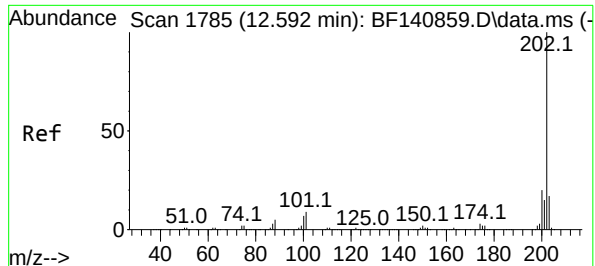
Tgt Ion:167 Resp: 307615
Ion Ratio Lower Upper
167 100
166 21.0 17.0 25.6
139 12.6 10.2 15.2



#74
Di-n-butylphthalate
Concen: 21.164 ng
RT: 11.928 min Scan# 1672
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:149 Resp: 369257
Ion Ratio Lower Upper
149 100
150 9.0 7.5 11.3
104 4.9 3.8 5.8

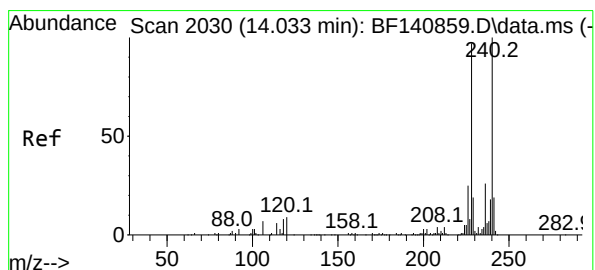
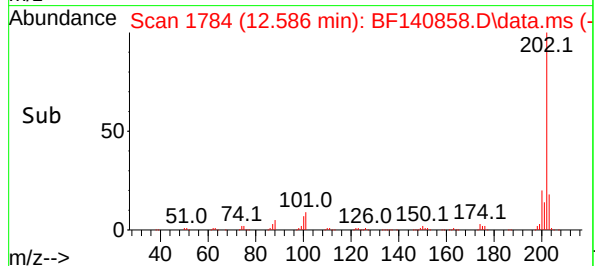
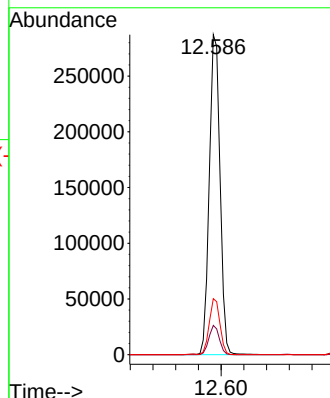
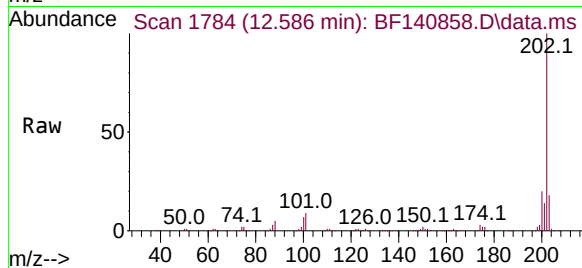




#75
Fluoranthene
Concen: 21.122 ng
RT: 12.586 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

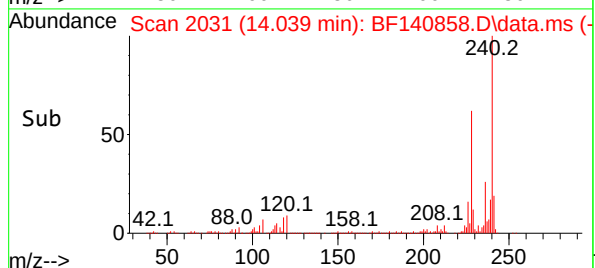
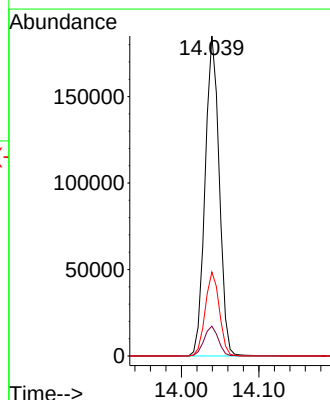
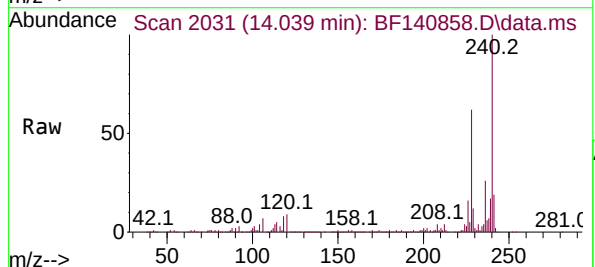
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

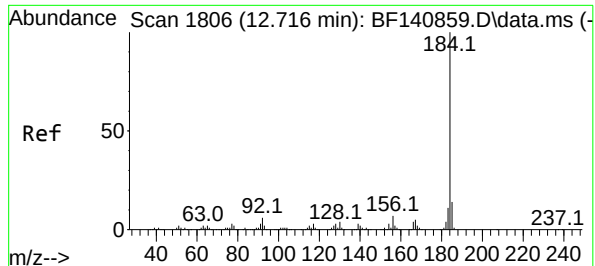
Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.2	0.0	29.3
203	17.5	0.0	37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. 0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.3	7.6	11.4
236	26.3	20.5	30.7

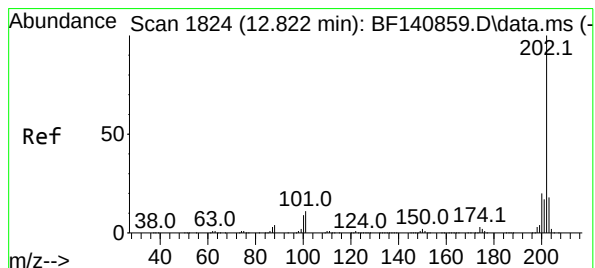
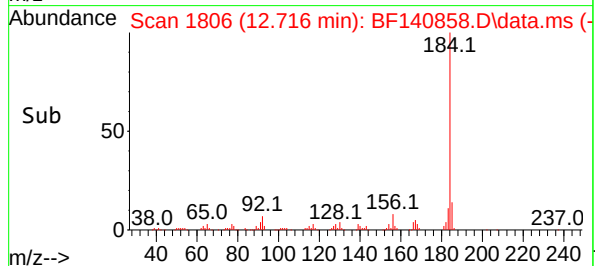
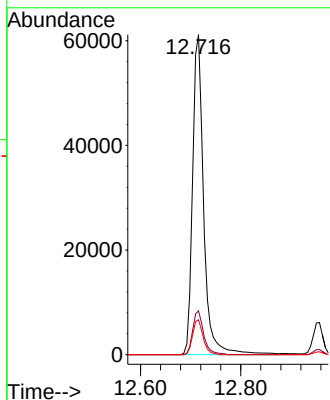
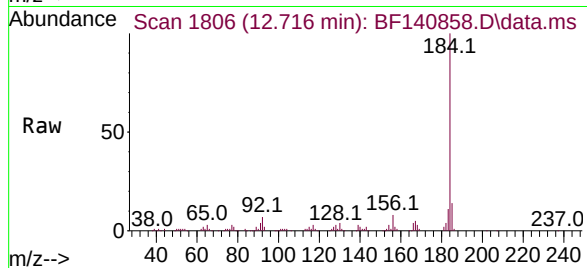




#77
Benzidine
Concen: 19.660 ng
RT: 12.716 min Scan# 1806
Delta R.T. -0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

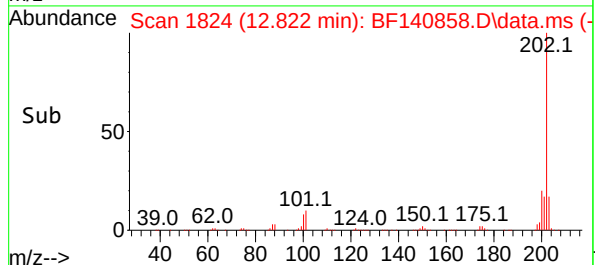
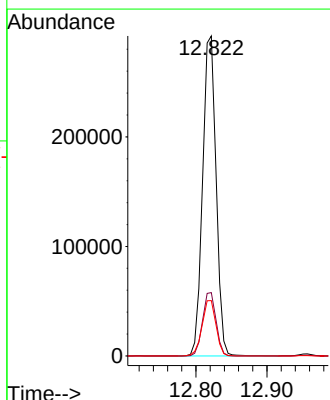
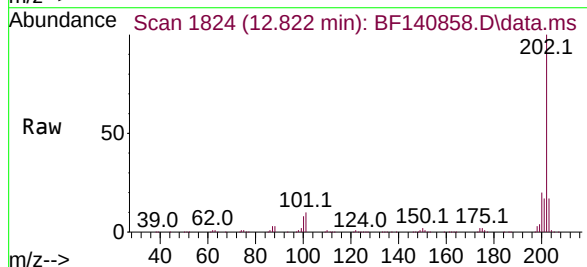
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

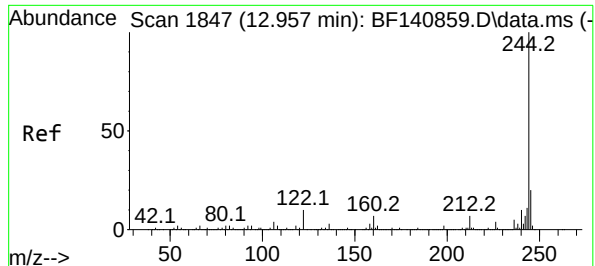
Tgt Ion:184 Resp: 93986
Ion Ratio Lower Upper
184 100
185 13.7 11.1 16.7
183 10.9 9.0 13.4



#78
Pyrene
Concen: 18.558 ng
RT: 12.822 min Scan# 1824
Delta R.T. 0.000 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:202 Resp: 386539
Ion Ratio Lower Upper
202 100
200 19.8 16.1 24.1
203 17.3 14.2 21.4





#79

Terphenyl-d14

Concen: 38.416 ng

RT: 12.957 min Scan# 1847

Delta R.T. 0.000 min

Lab File: BF140858.D

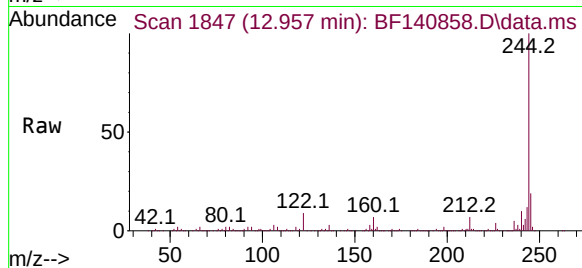
Acq: 16 Dec 2024 14:00

Instrument :

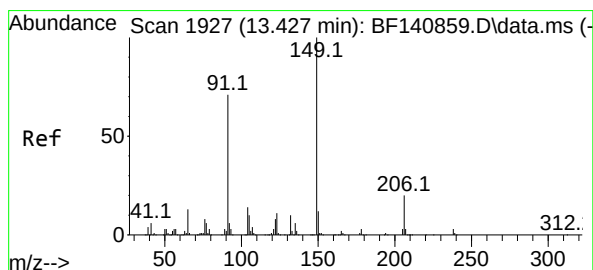
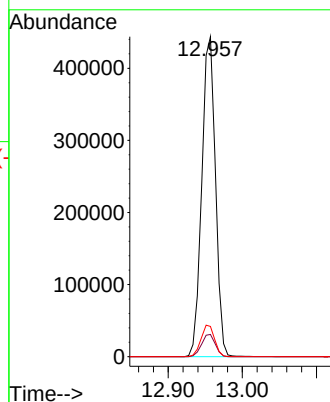
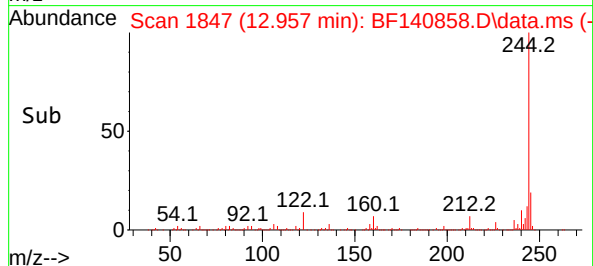
BNA_F

ClientSampleId :

SSTDICC020



Tgt Ion:244	Resp: 570640
Ion Ratio	Lower Upper
244	100
212	7.0 5.6 8.4
122	9.5 8.2 12.2



#80

Butylbenzylphthalate

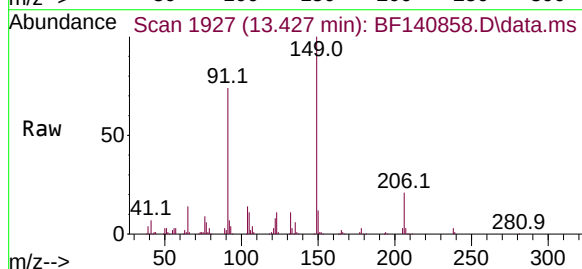
Concen: 18.972 ng

RT: 13.427 min Scan# 1927

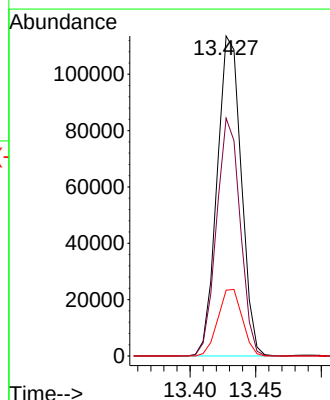
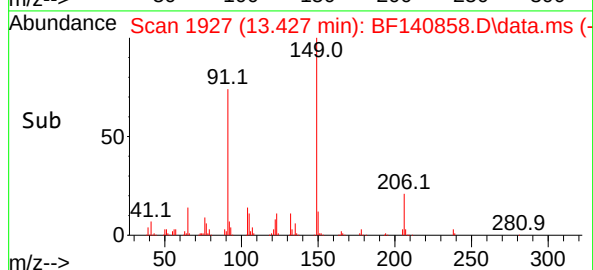
Delta R.T. 0.000 min

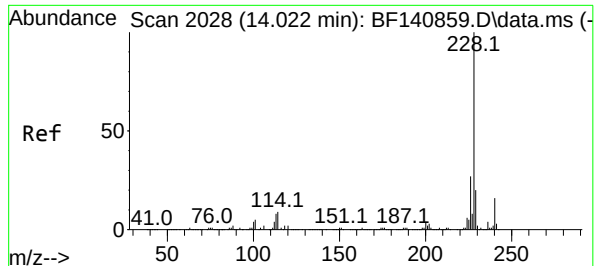
Lab File: BF140858.D

Acq: 16 Dec 2024 14:00



Tgt Ion:149	Resp: 145401
Ion Ratio	Lower Upper
149	100
91	74.3 56.7 85.1
206	20.6 16.4 24.6

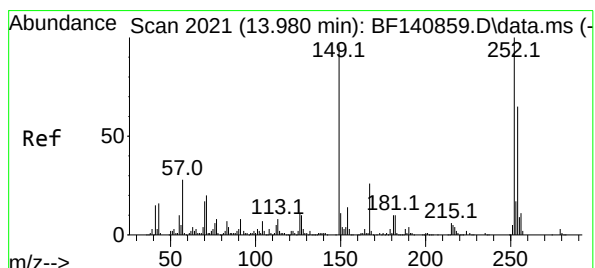
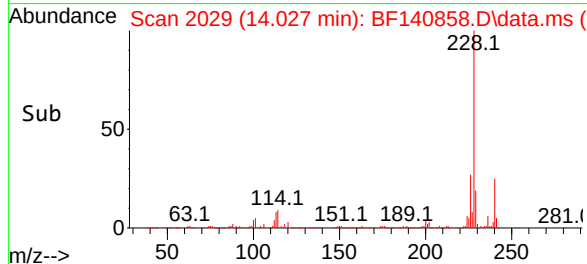
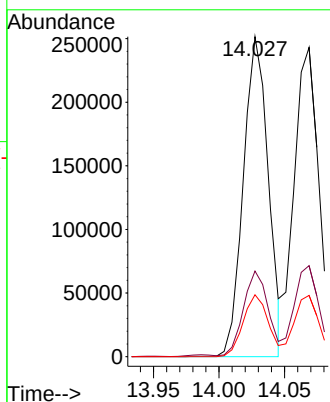
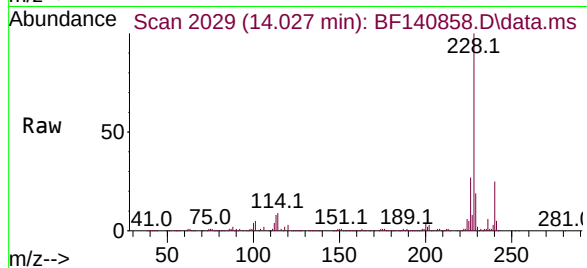




#81
Benzo(a)anthracene
Concen: 20.050 ng
RT: 14.027 min Scan# 2028
Delta R.T. 0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

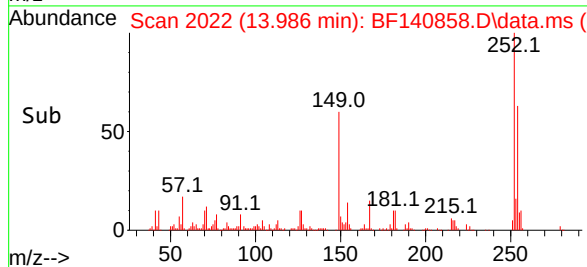
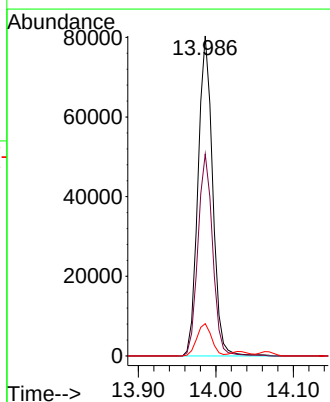
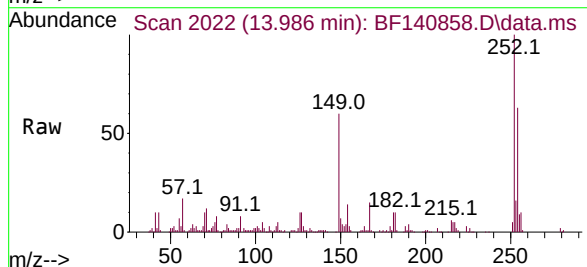
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

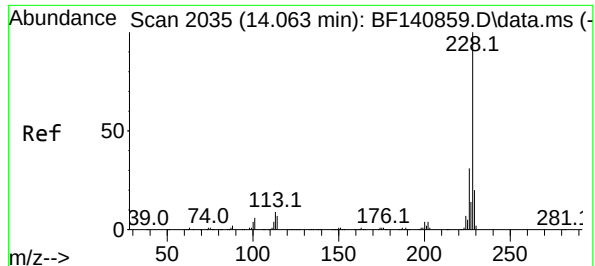
Tgt Ion:228 Resp: 332845
Ion Ratio Lower Upper
228 100
226 26.8 21.8 32.8
229 19.3 15.8 23.8



#82
3,3'-Dichlorobenzidine
Concen: 20.989 ng
RT: 13.986 min Scan# 2022
Delta R.T. 0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:252 Resp: 105124
Ion Ratio Lower Upper
252 100
254 63.1 52.3 78.5
126 10.1 8.4 12.6

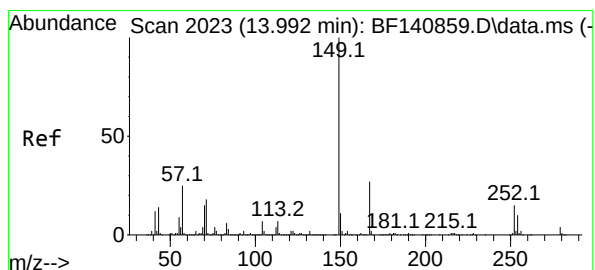
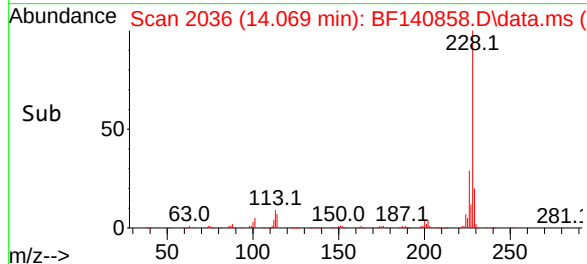
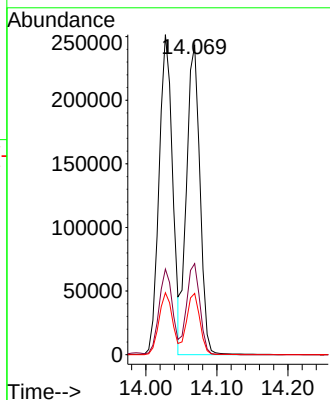
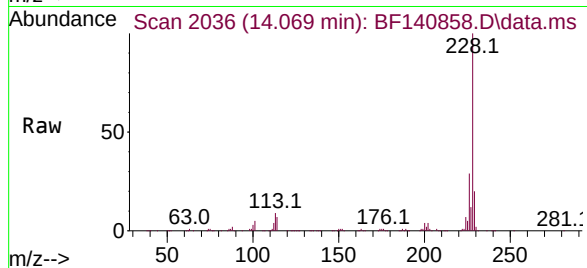




#83
Chrysene
Concen: 21.160 ng
RT: 14.069 min Scan# 2036
Delta R.T. 0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

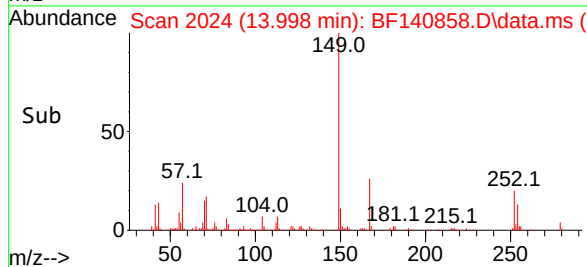
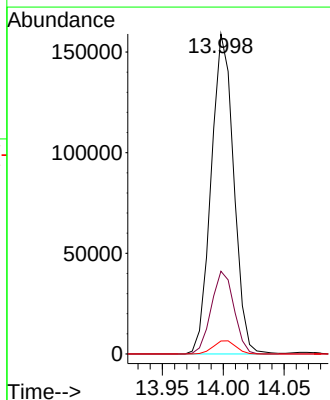
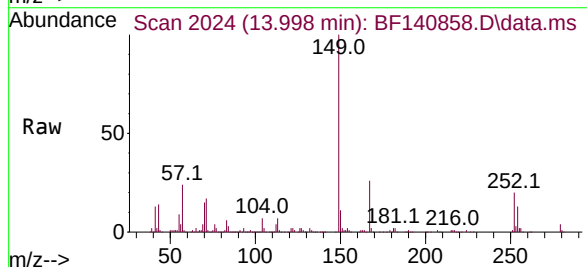
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

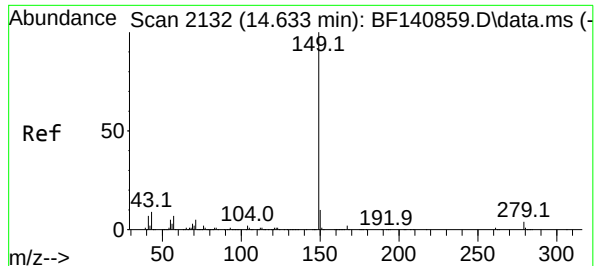
Tgt Ion:228 Resp: 319417
Ion Ratio Lower Upper
228 100
226 29.4 24.1 36.1
229 19.8 16.0 24.0



#84
Bis(2-ethylhexyl)phthalate
Concen: 20.740 ng
RT: 13.998 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:149 Resp: 204953
Ion Ratio Lower Upper
149 100
167 25.9 21.8 32.8
279 4.0 3.5 5.3

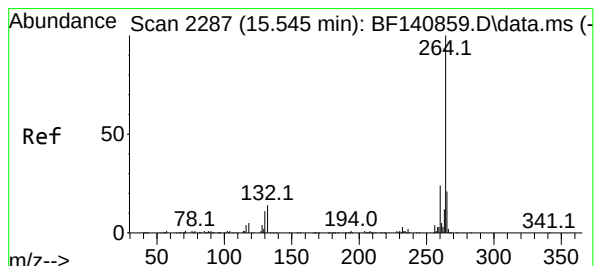
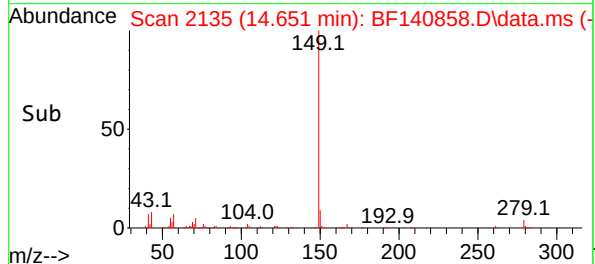
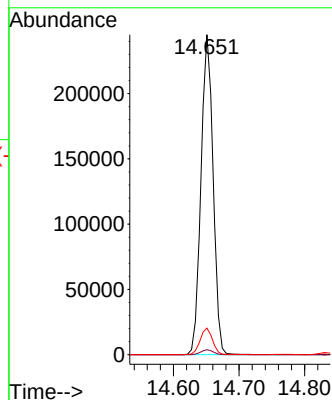
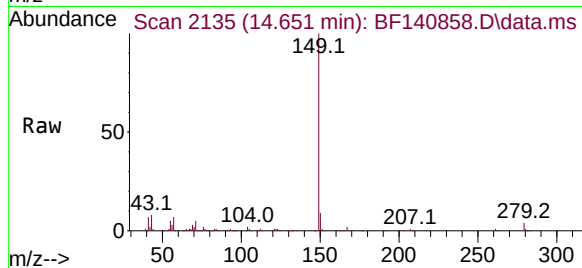




#85
Di-n-octyl phthalate
Concen: 21.125 ng
RT: 14.651 min Scan# 2135
Delta R.T. 0.018 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

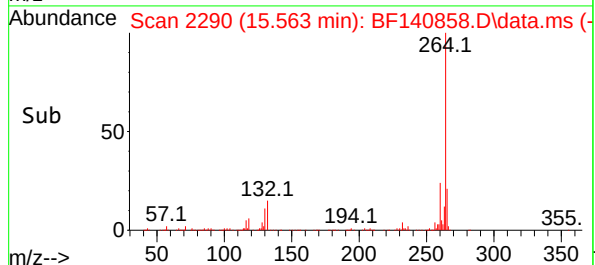
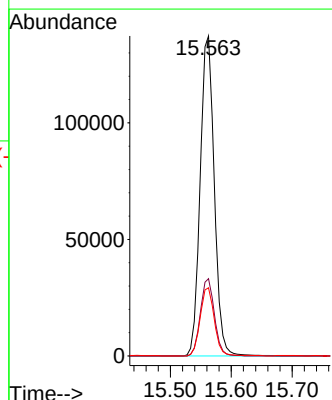
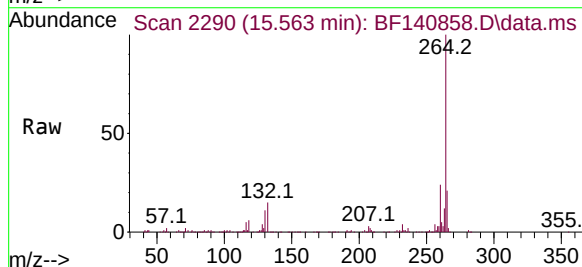
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

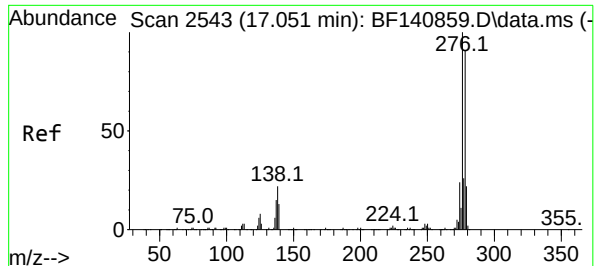
Tgt Ion:149 Resp: 315841
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 8.5 7.0 10.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.563 min Scan# 2290
Delta R.T. 0.018 min
Lab File: BF140858.D
Acq: 16 Dec 2024 14:00

Tgt Ion:264 Resp: 220576
Ion Ratio Lower Upper
264 100
260 24.1 19.1 28.7
265 21.3 17.0 25.4

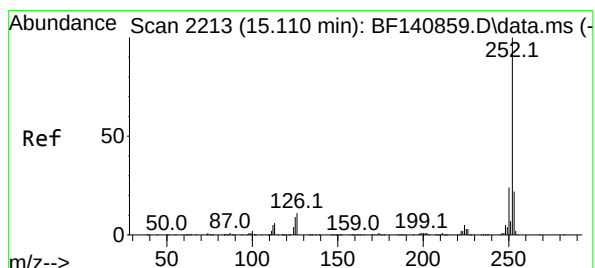
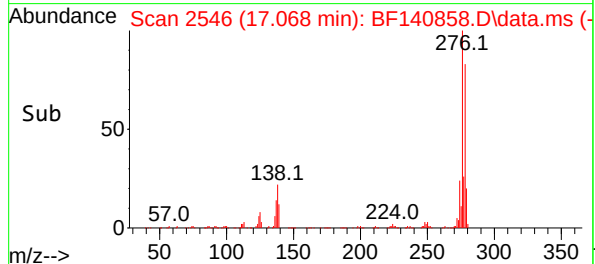
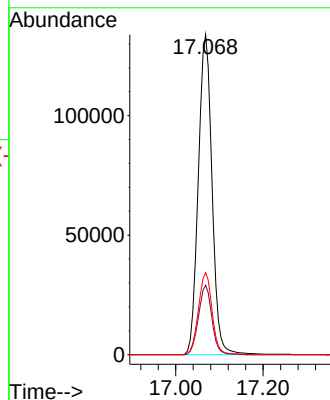
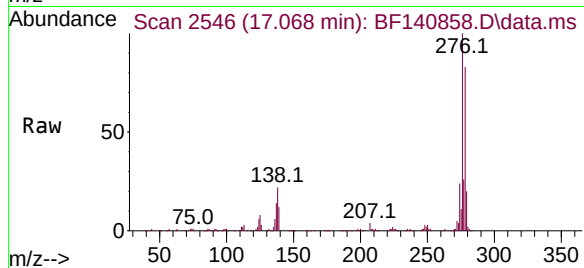




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 21.315 ng
 RT: 17.068 min Scan# 2108
 Delta R.T. 0.018 min
 Lab File: BF140858.D
 Acq: 16 Dec 2024 14:00

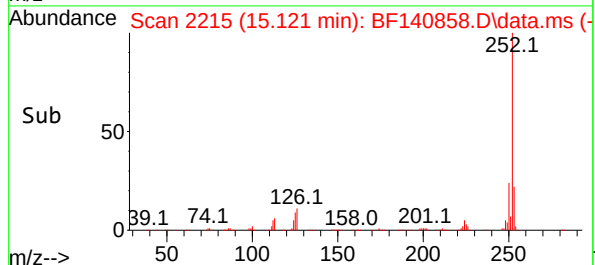
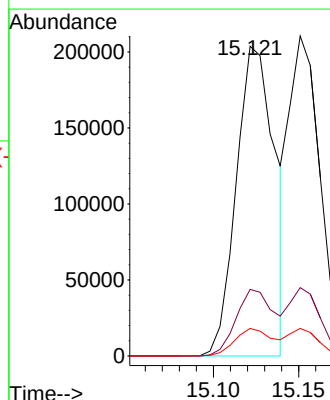
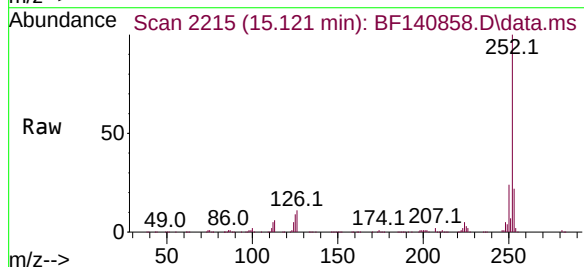
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC020

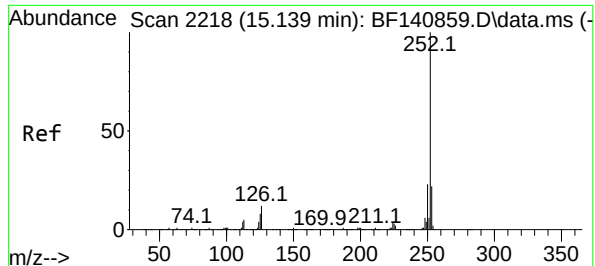
Tgt Ion:276 Resp: 293402
 Ion Ratio Lower Upper
 276 100
 138 21.1 16.9 25.3
 277 25.5 20.2 30.4



#88
 Benzo(b)fluoranthene
 Concen: 20.890 ng
 RT: 15.121 min Scan# 2215
 Delta R.T. 0.012 min
 Lab File: BF140858.D
 Acq: 16 Dec 2024 14:00

Tgt Ion:252 Resp: 319848
 Ion Ratio Lower Upper
 252 100
 253 21.5 17.8 26.6
 125 8.9 7.0 10.4





#89

Benzo(k)fluoranthene

Concen: 20.548 ng

RT: 15.151 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF140858.D

Acq: 16 Dec 2024 14:00

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

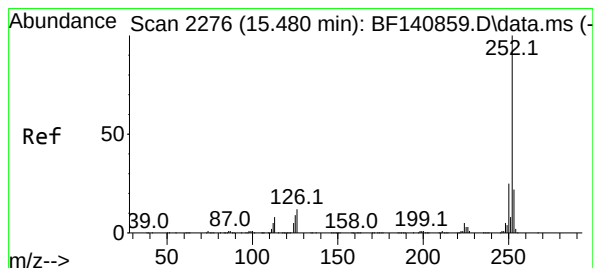
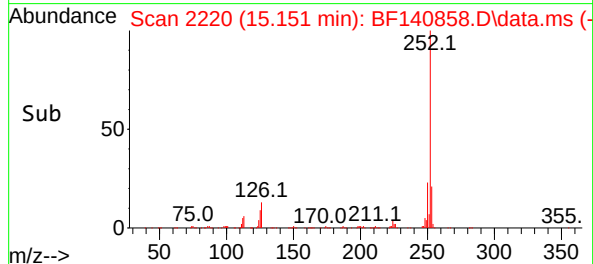
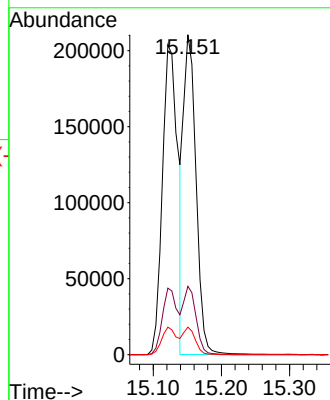
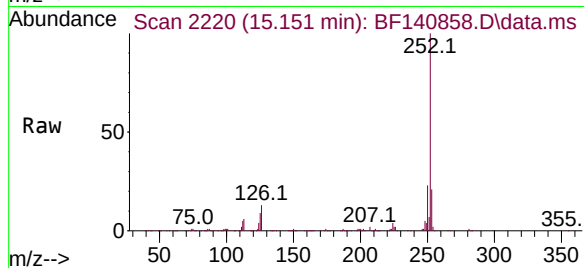
Tgt Ion:252 Resp: 269871

Ion Ratio Lower Upper

252 100

253 21.3 17.5 26.3

125 8.6 6.8 10.2



#90

Benzo(a)pyrene

Concen: 20.861 ng

RT: 15.498 min Scan# 2279

Delta R.T. 0.018 min

Lab File: BF140858.D

Acq: 16 Dec 2024 14:00

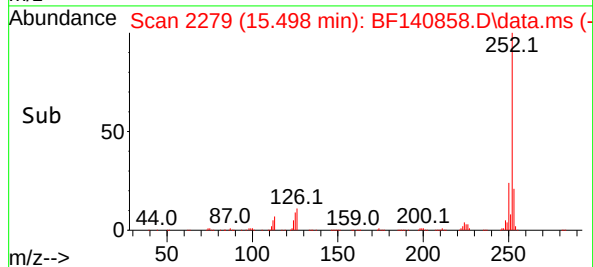
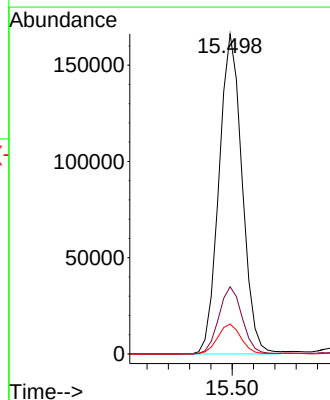
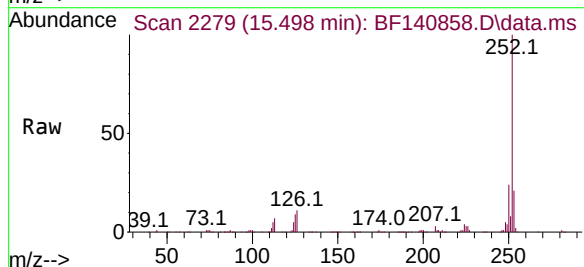
Tgt Ion:252 Resp: 250110

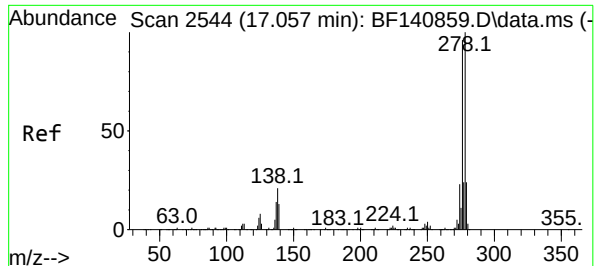
Ion Ratio Lower Upper

252 100

253 21.0 17.5 26.3

125 9.4 7.5 11.3





#91

Dibenzo(a,h)anthracene

Concen: 21.117 ng

RT: 17.074 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF140858.D

Acq: 16 Dec 2024 14:00

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

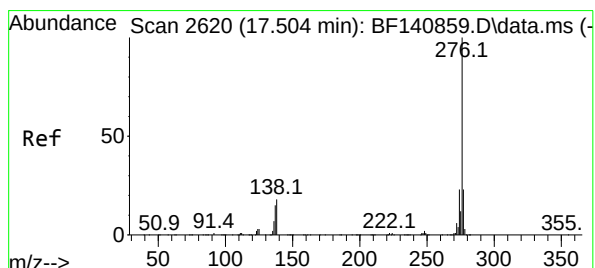
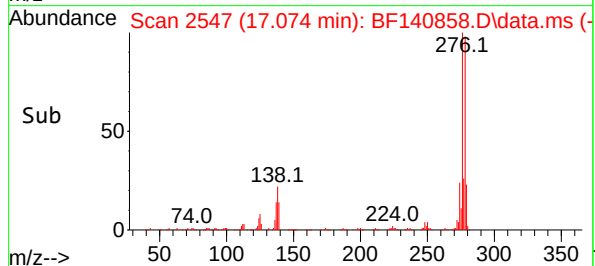
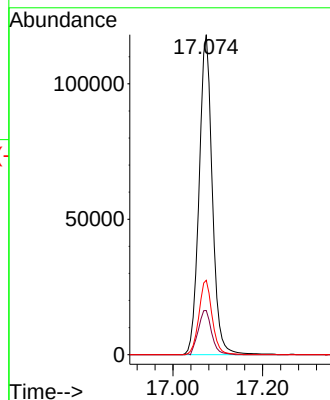
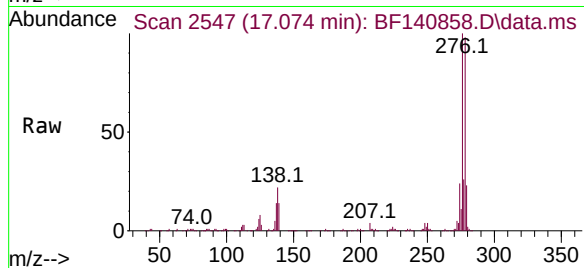
Tgt Ion:278 Resp: 240810

Ion Ratio Lower Upper

278 100

139 13.8 10.6 16.0

279 23.3 19.2 28.8



#92

Benzo(g,h,i)perylene

Concen: 20.785 ng

RT: 17.515 min Scan# 2622

Delta R.T. 0.012 min

Lab File: BF140858.D

Acq: 16 Dec 2024 14:00

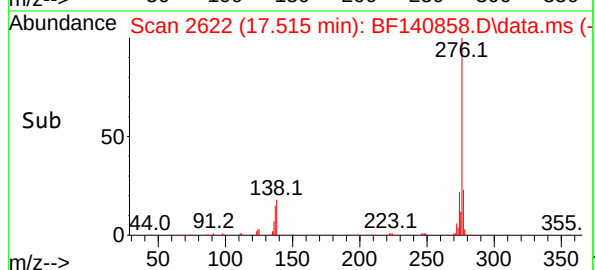
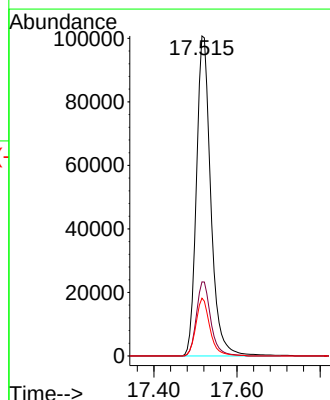
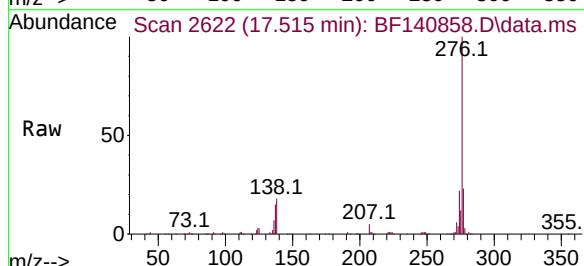
Tgt Ion:276 Resp: 241228

Ion Ratio Lower Upper

276 100

277 23.1 18.7 28.1

138 18.0 14.2 21.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
 Data File : BF140859.D
 Acq On : 16 Dec 2024 14:26
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICCC040

Quant Time: Dec 16 16:49:21 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 16 16:38:27 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	77674	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	293537	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	179301	20.000	ng	0.00
64) Phenanthrene-d10	11.375	188	361848	20.000	ng	0.00
76) Chrysene-d12	14.033	240	241027	20.000	ng	0.00
86) Perylene-d12	15.545	264	202727	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	372670	78.982	ng	0.00
7) Phenol-d6	6.498	99	486855	77.902	ng	0.00
23) Nitrobenzene-d5	7.416	82	461011	78.576	ng	0.00
42) 2,4,6-Tribromophenol	10.681	330	172188	81.197	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	981889	75.290	ng	0.00
79) Terphenyl-d14	12.957	244	1163098	76.093	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.622	88	78111	38.433	ng	100
3) Pyridine	3.405	79	189803	40.326	ng	100
4) n-Nitrosodimethylamine	3.357	42	93747	39.510	ng	100
6) Aniline	6.516	93	213440	39.944	ng	100
8) 2-Chlorophenol	6.646	128	202098	39.277	ng	100
9) Benzaldehyde	6.410	77	134222	38.761	ng	100
10) Phenol	6.510	94	253259	39.100	ng	100
11) bis(2-Chloroethyl)ether	6.587	93	190608	39.459	ng	100
12) 1,3-Dichlorobenzene	6.787	146	228181	38.918	ng	100
13) 1,4-Dichlorobenzene	6.869	146	232493	39.065	ng	100
14) 1,2-Dichlorobenzene	7.022	146	223134	39.737	ng	100
15) Benzyl Alcohol	6.998	79	178597	39.968	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.122	45	223455	39.269	ng	100
17) 2-Methylphenol	7.116	107	161380	39.284	ng	100
18) Hexachloroethane	7.357	117	86395	38.994	ng	100
19) n-Nitroso-di-n-propyla...	7.263	70	143279	38.220	ng	100
20) 3+4-Methylphenols	7.269	107	210531	38.648	ng	100
22) Acetophenone	7.263	105	289650	39.446	ng	100
24) Nitrobenzene	7.434	77	235847	39.238	ng	100
25) Isophorone	7.675	82	381938	38.852	ng	100
26) 2-Nitrophenol	7.751	139	109806	39.666	ng	100
27) 2,4-Dimethylphenol	7.793	122	128970	39.892	ng	100
28) bis(2-Chloroethoxy)met...	7.875	93	244652	39.846	ng	100
29) 2,4-Dichlorophenol	7.998	162	175409	39.299	ng	100
30) 1,2,4-Trichlorobenzene	8.069	180	200471	39.180	ng	100
31) Naphthalene	8.151	128	626585	38.860	ng	100
32) Benzoic acid	7.940	122	124210	40.510	ng	100
33) 4-Chloroaniline	8.204	127	211976	39.582	ng	100
34) Hexachlorobutadiene	8.263	225	136482	39.646	ng	100
35) Caprolactam	8.587	113	53059	39.930	ng	100
36) 4-Chloro-3-methylphenol	8.698	107	198298	39.473	ng	100
37) 2-Methylnaphthalene	8.839	142	423369	39.693	ng	100
38) 1-Methylnaphthalene	8.939	142	414363	39.281	ng	100
40) 1,2,4,5-Tetrachloroben...	9.010	216	208141	37.768	ng	100
41) Hexachlorocyclopentadiene	8.987	237	50793	39.476	ng	100
43) 2,4,6-Trichlorophenol	9.128	196	130363	38.631	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
 Data File : BF140859.D
 Acq On : 16 Dec 2024 14:26
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICCC040

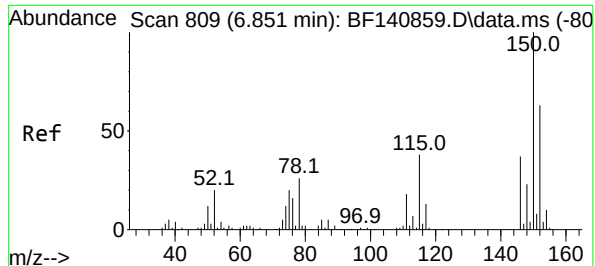
Quant Time: Dec 16 16:49:21 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 16 16:38:27 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.181	196	142411	38.395	ng	100
46) 1,1'-Biphenyl	9.304	154	542419	38.044	ng	100
47) 2-Chloronaphthalene	9.334	162	419357	38.447	ng	100
48) 2-Nitroaniline	9.434	65	128421	38.984	ng	100
49) Acenaphthylene	9.745	152	621763	38.790	ng	100
50) Dimethylphthalate	9.604	163	487517	38.566	ng	100
51) 2,6-Dinitrotoluene	9.675	165	111990	38.752	ng	100
52) Acenaphthene	9.916	154	398965	38.965	ng	100
53) 3-Nitroaniline	9.851	138	113227	39.481	ng	100
54) 2,4-Dinitrophenol	9.969	184	47982	37.788	ng	100
55) Dibenzofuran	10.092	168	619833	39.066	ng	100
56) 4-Nitrophenol	10.034	139	59043	40.590	ng	100
57) 2,4-Dinitrotoluene	10.086	165	150199	39.502	ng	100
58) Fluorene	10.434	166	517920	39.568	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.216	232	127023	42.028	ng	100
60) Diethylphthalate	10.304	149	516146	39.375	ng	100
61) 4-Chlorophenyl-phenyle...	10.422	204	256836	39.062	ng	100
62) 4-Nitroaniline	10.469	138	121143	40.423	ng	100
63) Azobenzene	10.581	77	490731	39.821	ng	100
65) 4,6-Dinitro-2-methylph...	10.498	198	84370	41.148	ng	100
66) n-Nitrosodiphenylamine	10.545	169	433296	38.947	ng	100
67) 4-Bromophenyl-phenylether	10.910	248	159117	39.307	ng	100
68) Hexachlorobenzene	10.986	284	177811	38.742	ng	100
69) Atrazine	11.069	200	121493	39.101	ng	100
70) Pentachlorophenol	11.186	266	70638	42.072	ng	100
71) Phenanthrene	11.398	178	711714	38.248	ng	100
72) Anthracene	11.451	178	702321	38.326	ng	100
73) Carbazole	11.610	167	689096	38.392	ng	100
74) Di-n-butylphthalate	11.928	149	816942	38.782	ng	100
75) Fluoranthene	12.592	202	817749	38.159	ng	100
77) Benzidine	12.716	184	194791	39.598	ng	100
78) Pyrene	12.822	202	818937	38.208	ng	100
80) Butylbenzylphthalate	13.427	149	311465	39.493	ng	100
81) Benzo(a)anthracene	14.022	228	654937	38.340	ng	100
82) 3,3'-Dichlorobenzidine	13.980	252	198481	38.511	ng	100
83) Chrysene	14.063	228	612484	39.430	ng	100
84) Bis(2-ethylhexyl)phtha...	13.992	149	395970	38.939	ng	100
85) Di-n-octyl phthalate	14.633	149	589634	38.326	ng	100
87) Indeno(1,2,3-cd)pyrene	17.051	276	514416	40.662	ng	100
88) Benzo(b)fluoranthene	15.110	252	524660	37.283	ng	100
89) Benzo(k)fluoranthene	15.139	252	496310	41.115	ng	100
90) Benzo(a)pyrene	15.480	252	435015	39.478	ng	100
91) Dibenzo(a,h)anthracene	17.057	278	428983	40.931	ng	100
92) Benzo(g,h,i)perylene	17.504	276	434898	40.771	ng	100

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

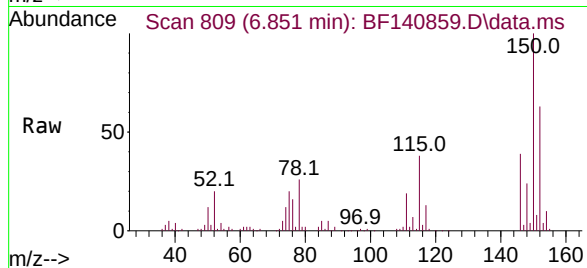
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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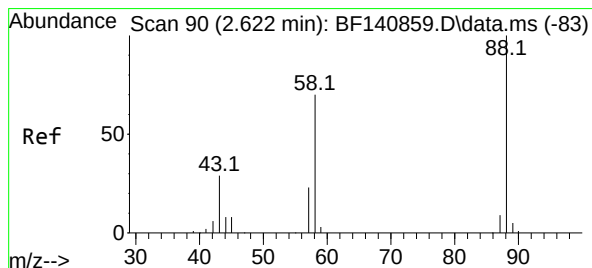
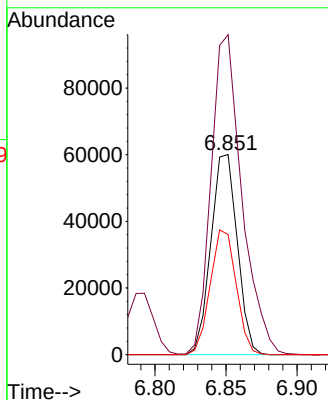
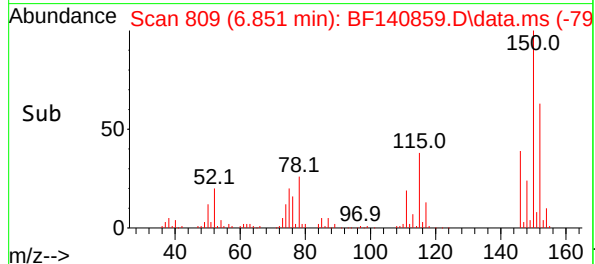


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 809
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

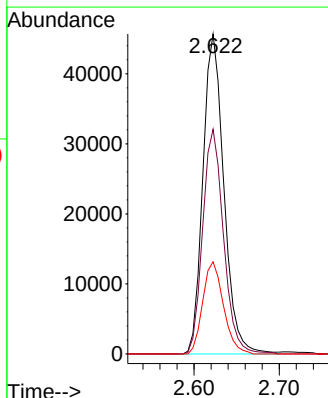
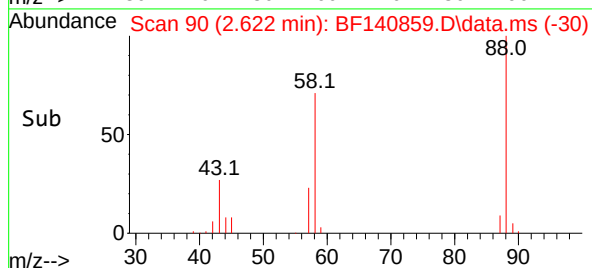
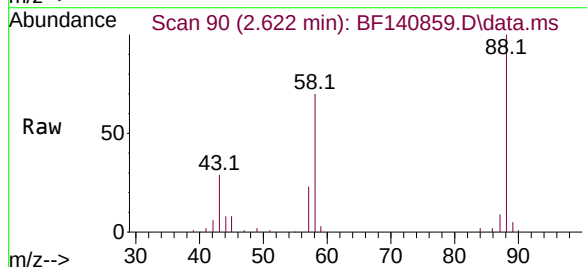


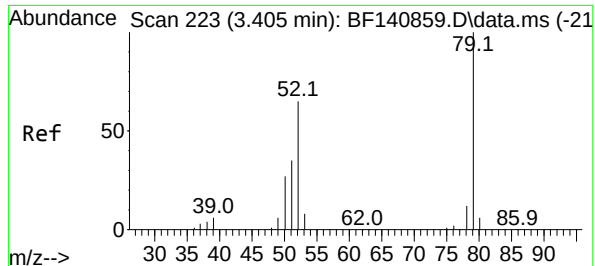
Tgt Ion:152 Resp: 77674
Ion Ratio Lower Upper
152 100
150 159.9 127.9 191.9
115 60.0 48.0 72.0



#2
1,4-Dioxane
Concen: 38.433 ng
RT: 2.622 min Scan# 90
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

Tgt Ion: 88 Resp: 78111
Ion Ratio Lower Upper
88 100
58 69.8 55.8 83.8
43 28.4 22.7 34.1





#3

Pyridine

Concen: 40.326 ng

RT: 3.405 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF140859.D

Acq: 16 Dec 2024 14:26

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

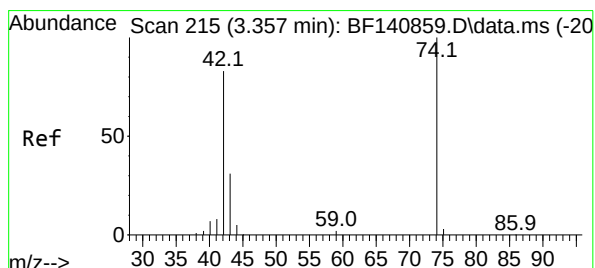
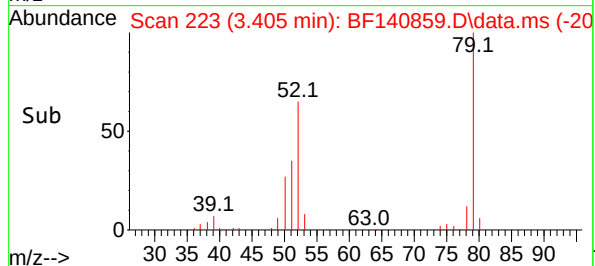
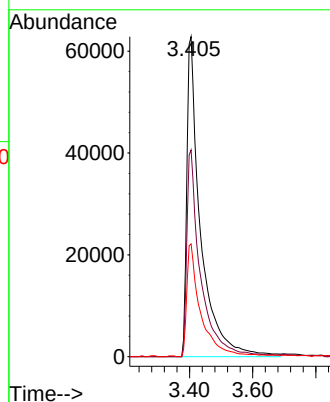
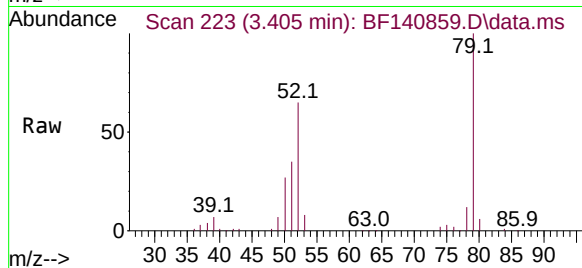
Tgt Ion: 79 Resp: 189803

Ion Ratio Lower Upper

79 100

52 64.6 51.7 77.5

51 35.3 28.2 42.4



#4

n-Nitrosodimethylamine

Concen: 39.510 ng

RT: 3.357 min Scan# 215

Delta R.T. 0.000 min

Lab File: BF140859.D

Acq: 16 Dec 2024 14:26

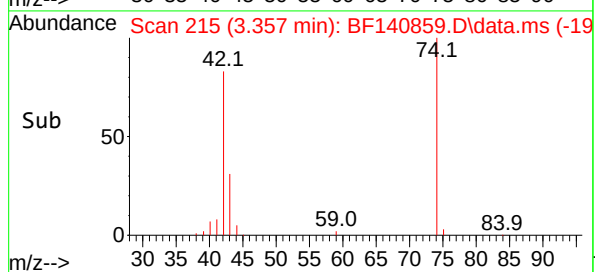
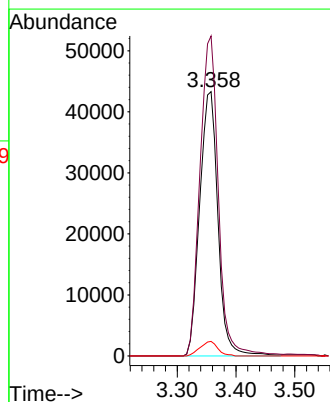
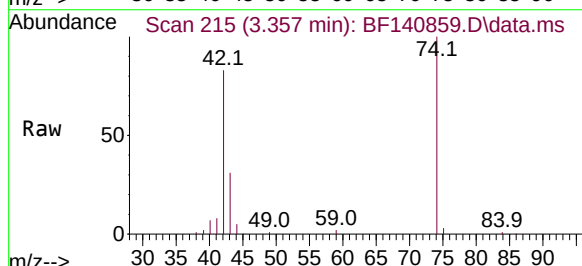
Tgt Ion: 42 Resp: 93747

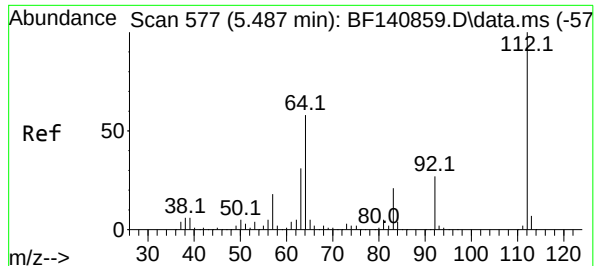
Ion Ratio Lower Upper

42 100

74 121.1 96.9 145.3

44 5.5 4.4 6.6

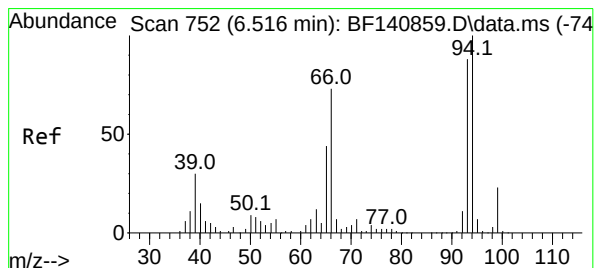
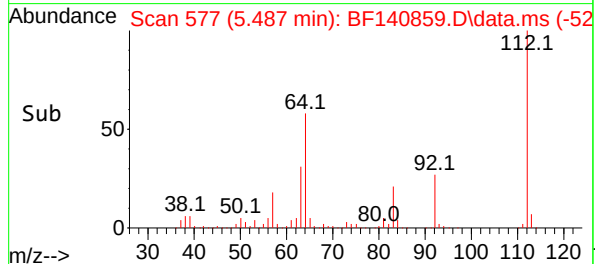
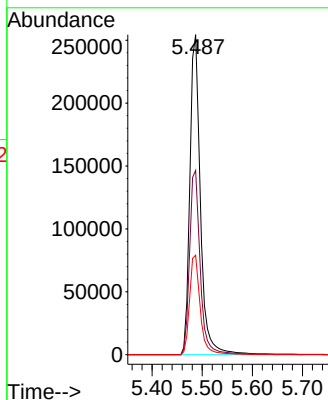
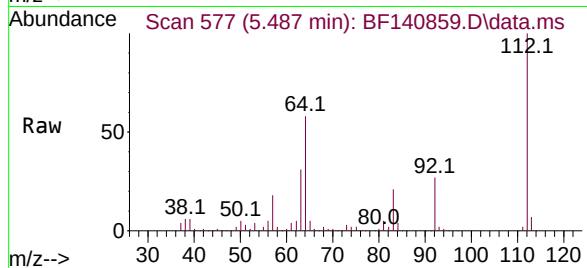




#5
2-Fluorophenol
Concen: 78.982 ng
RT: 5.487 min Scan# 51
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

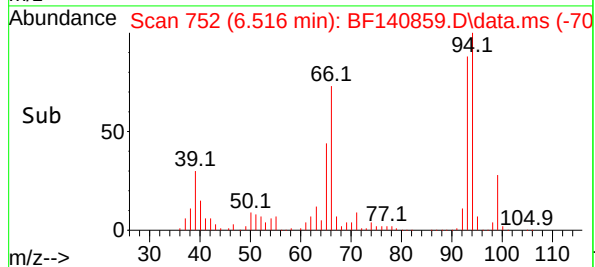
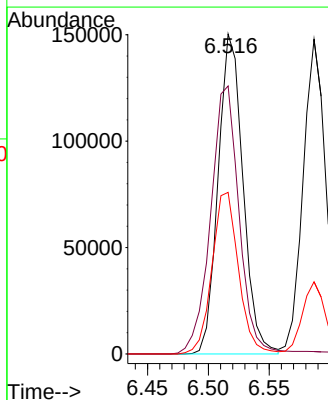
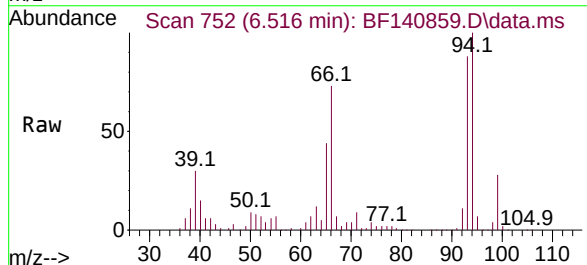
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

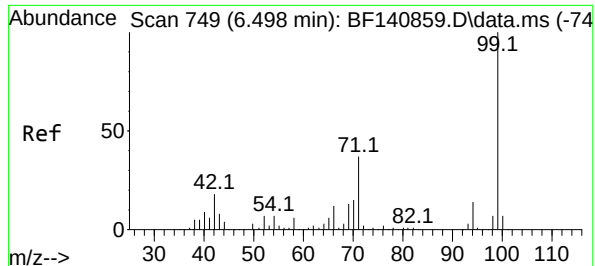
Tgt Ion:112 Resp: 372670
Ion Ratio Lower Upper
112 100
64 57.6 46.1 69.1
63 31.1 24.9 37.3



#6
Aniline
Concen: 39.944 ng
RT: 6.516 min Scan# 752
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

Tgt Ion: 93 Resp: 213440
Ion Ratio Lower Upper
93 100
66 83.7 67.0 100.4
65 50.5 40.4 60.6





#7

Phenol-d6

Concen: 77.902 ng

RT: 6.498 min Scan# 749

Delta R.T. 0.000 min

Lab File: BF140859.D

Acq: 16 Dec 2024 14:26

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

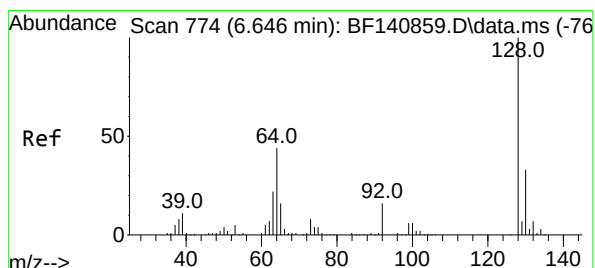
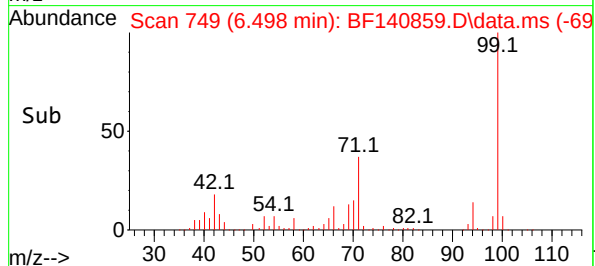
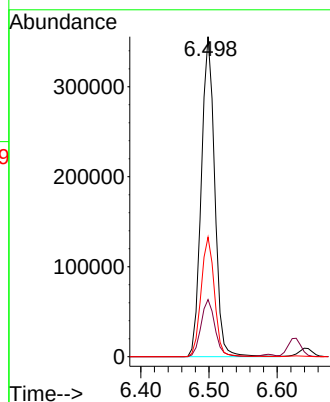
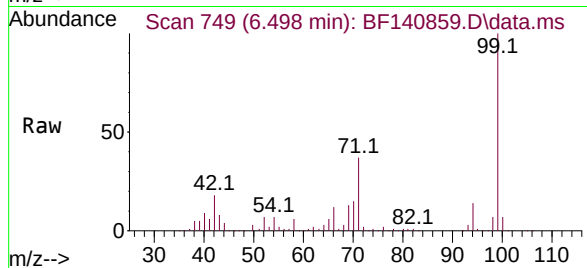
Tgt Ion: 99 Resp: 486855

Ion Ratio Lower Upper

99 100

42 17.9 14.3 21.5

71 37.4 29.9 44.9



#8

2-Chlorophenol

Concen: 39.277 ng

RT: 6.646 min Scan# 774

Delta R.T. 0.000 min

Lab File: BF140859.D

Acq: 16 Dec 2024 14:26

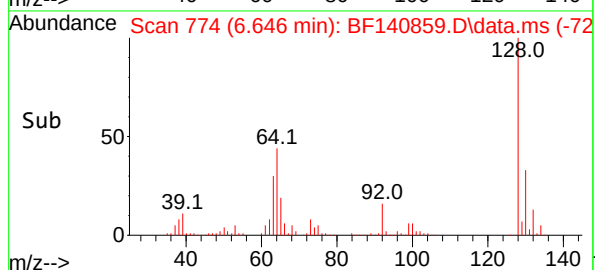
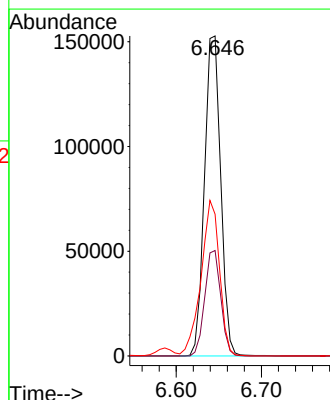
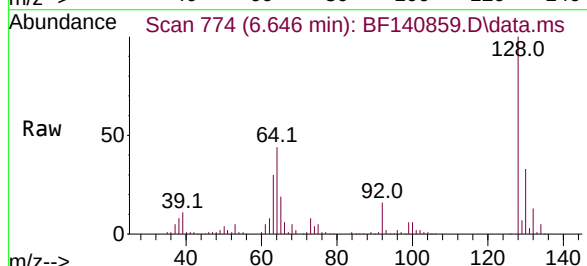
Tgt Ion:128 Resp: 202098

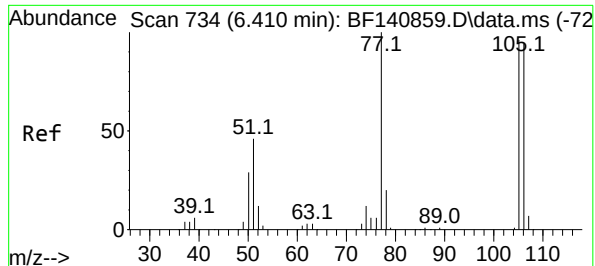
Ion Ratio Lower Upper

128 100

130 32.9 12.9 52.9

64 44.3 24.3 64.3





#9

Benzaldehyde

Concen: 38.761 ng

RT: 6.410 min Scan# 710

Delta R.T. 0.000 min

Lab File: BF140859.D

Acq: 16 Dec 2024 14:26

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

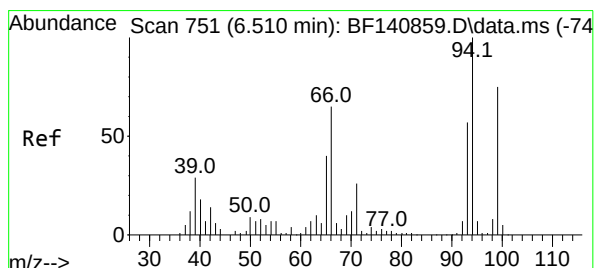
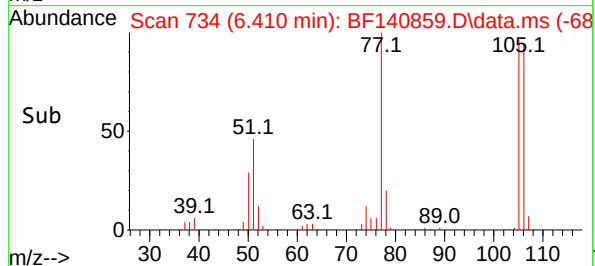
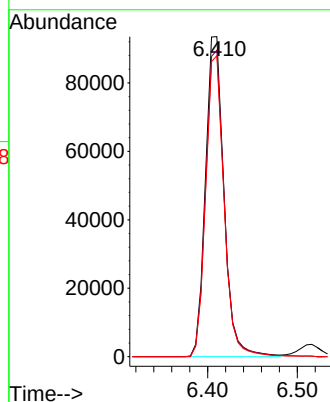
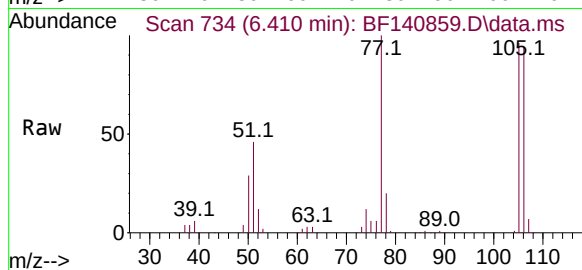
Tgt Ion: 77 Resp: 134222

Ion Ratio Lower Upper

77 100

105 95.8 75.8 115.8

106 94.1 74.1 114.1



#10

Phenol

Concen: 39.100 ng

RT: 6.510 min Scan# 751

Delta R.T. 0.000 min

Lab File: BF140859.D

Acq: 16 Dec 2024 14:26

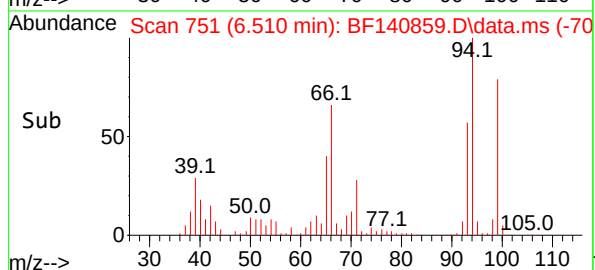
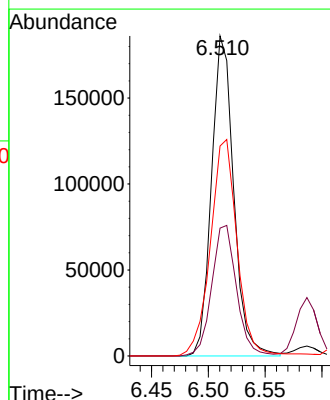
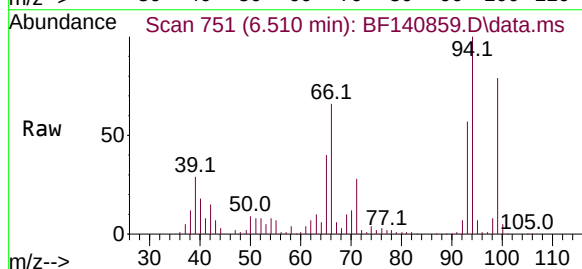
Tgt Ion: 94 Resp: 253259

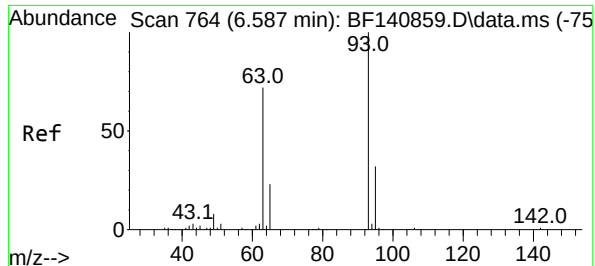
Ion Ratio Lower Upper

94 100

65 39.9 19.9 59.9

66 65.6 45.6 85.6





#11

bis(2-Chloroethyl)ether

Concen: 39.459 ng

RT: 6.587 min Scan# 764

Delta R.T. 0.000 min

Lab File: BF140859.D

Acq: 16 Dec 2024 14:26

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

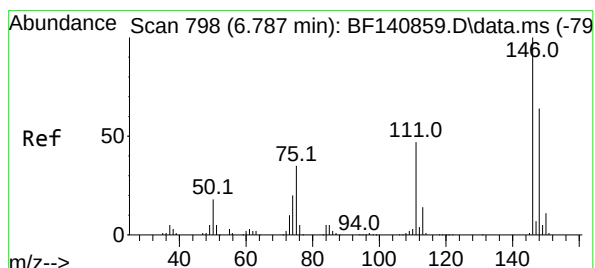
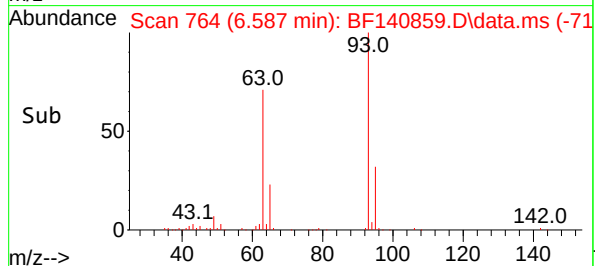
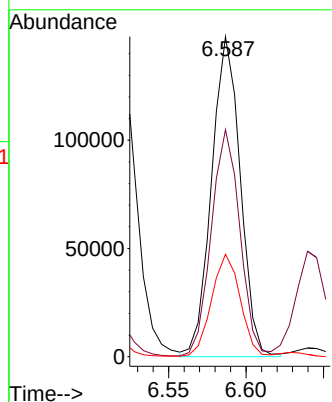
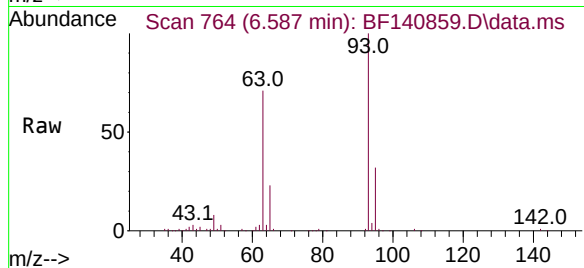
Tgt Ion: 93 Resp: 190608

Ion Ratio Lower Upper

93 100

63 71.0 51.0 91.0

95 32.0 12.0 52.0



#12

1,3-Dichlorobenzene

Concen: 38.918 ng

RT: 6.787 min Scan# 798

Delta R.T. 0.000 min

Lab File: BF140859.D

Acq: 16 Dec 2024 14:26

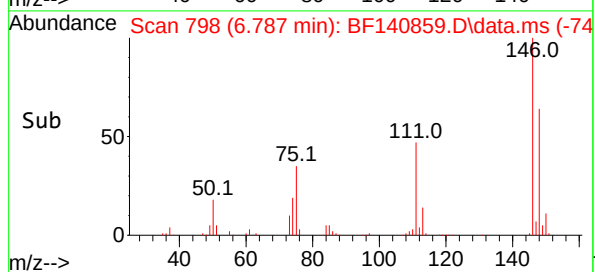
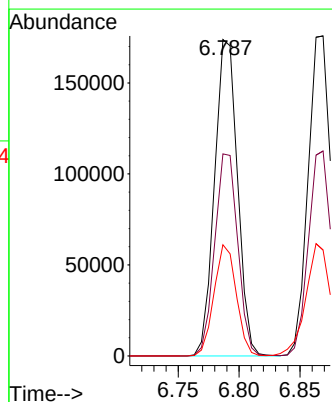
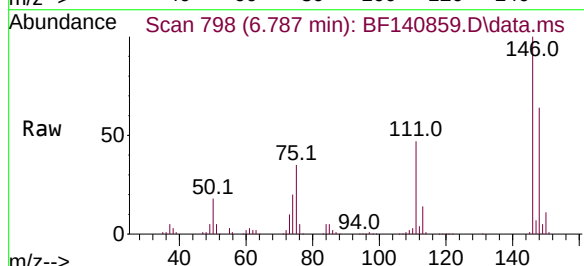
Tgt Ion:146 Resp: 228181

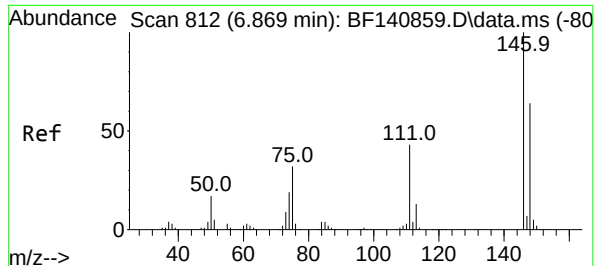
Ion Ratio Lower Upper

146 100

148 63.8 51.0 76.6

75 35.1 28.1 42.1





#13

1,4-Dichlorobenzene

Concen: 39.065 ng

RT: 6.869 min Scan# 812

Delta R.T. 0.000 min

Lab File: BF140859.D

Acq: 16 Dec 2024 14:26

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

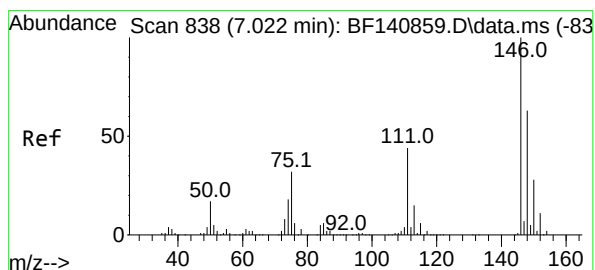
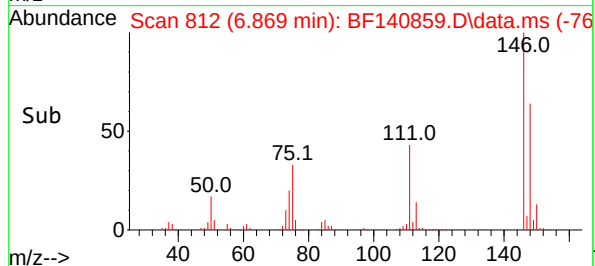
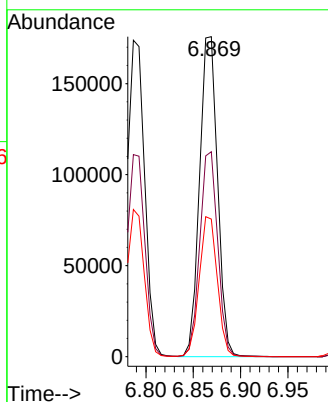
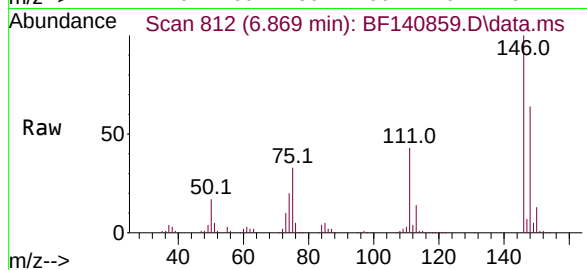
Tgt Ion:146 Resp: 232493

Ion Ratio Lower Upper

146 100

148 64.1 51.3 76.9

111 43.0 34.4 51.6



#14

1,2-Dichlorobenzene

Concen: 39.737 ng

RT: 7.022 min Scan# 838

Delta R.T. 0.000 min

Lab File: BF140859.D

Acq: 16 Dec 2024 14:26

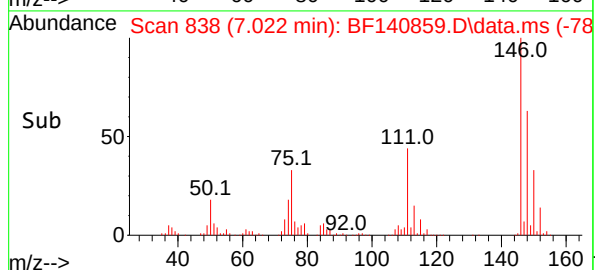
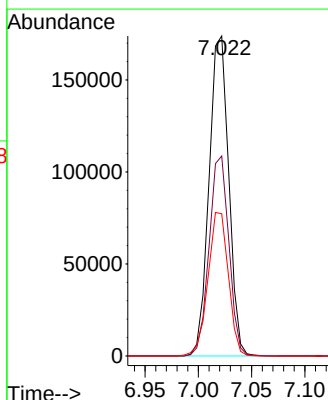
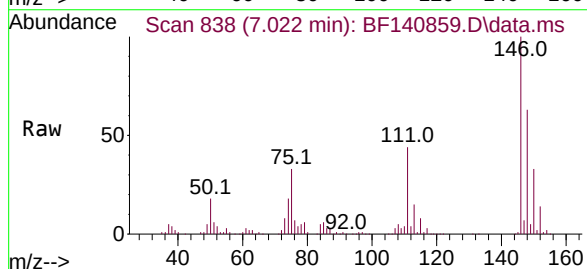
Tgt Ion:146 Resp: 223134

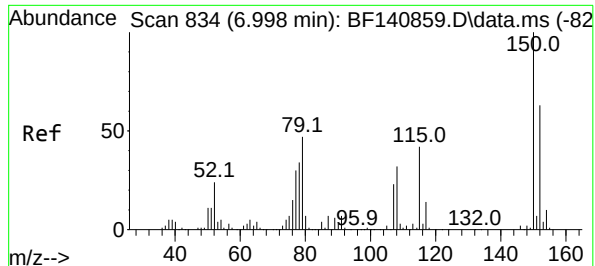
Ion Ratio Lower Upper

146 100

148 62.5 50.0 75.0

111 44.5 35.6 53.4





#15

Benzyl Alcohol

Concen: 39.968 ng

RT: 6.998 min Scan# 834

Delta R.T. 0.000 min

Lab File: BF140859.D

Acq: 16 Dec 2024 14:26

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

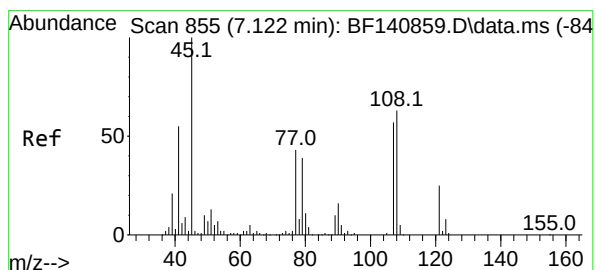
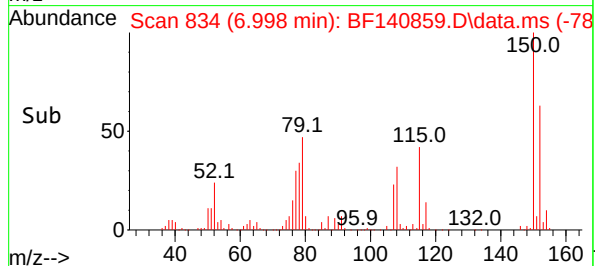
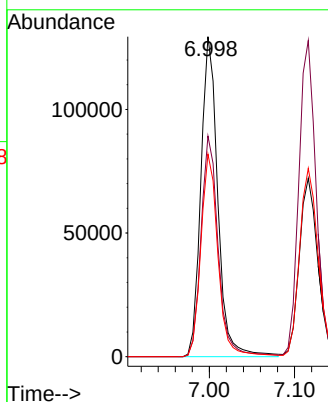
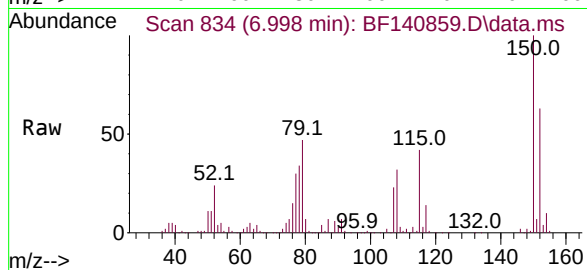
Tgt Ion: 79 Resp: 178597

Ion Ratio Lower Upper

79 100

108 68.9 55.1 82.7

77 63.3 50.6 76.0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 39.269 ng

RT: 7.122 min Scan# 855

Delta R.T. 0.000 min

Lab File: BF140859.D

Acq: 16 Dec 2024 14:26

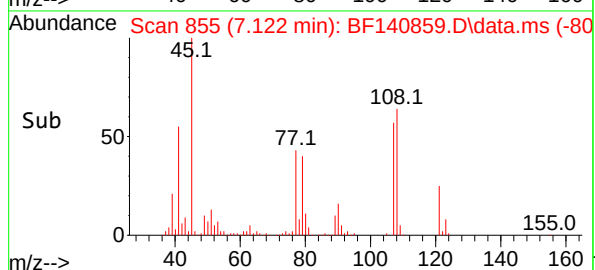
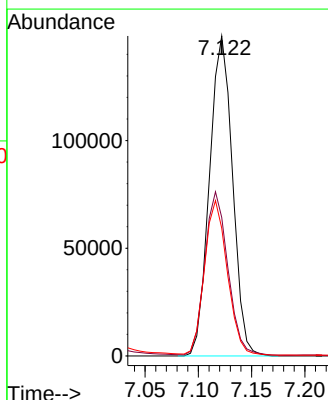
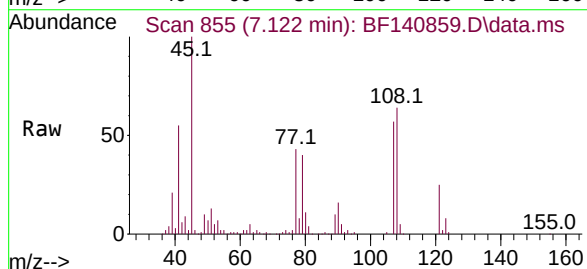
Tgt Ion: 45 Resp: 223455

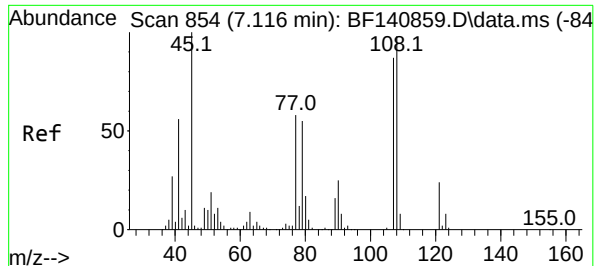
Ion Ratio Lower Upper

45 100

77 43.3 23.3 63.3

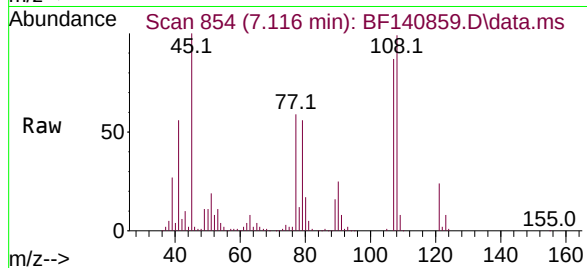
79 40.0 20.0 60.0



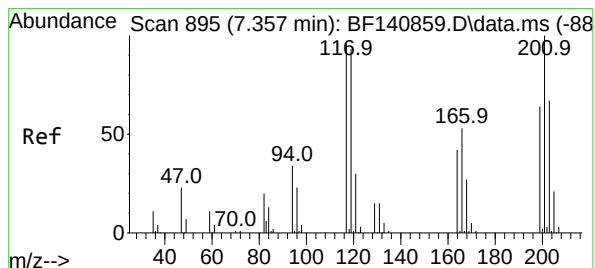
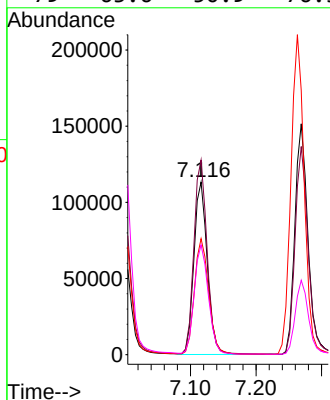
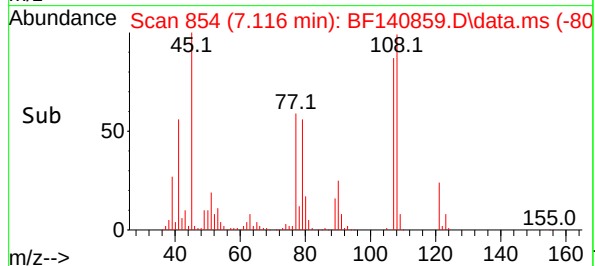


#17
2-Methylphenol
Concen: 39.284 ng
RT: 7.116 min Scan# 854
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

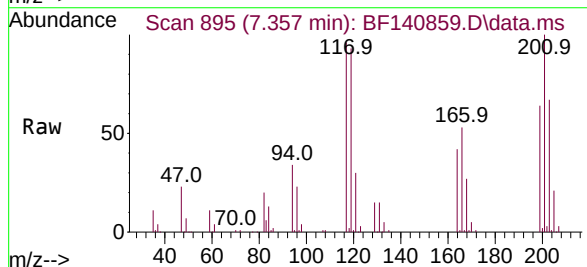
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



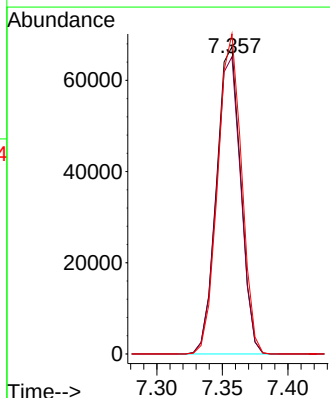
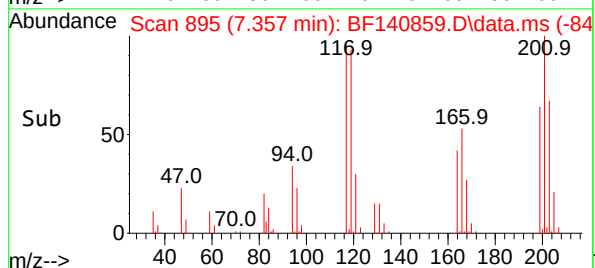
Tgt Ion:107 Resp: 161380
Ion Ratio Lower Upper
107 100
108 112.8 90.2 135.4
77 67.2 53.8 80.6
79 63.6 50.9 76.3

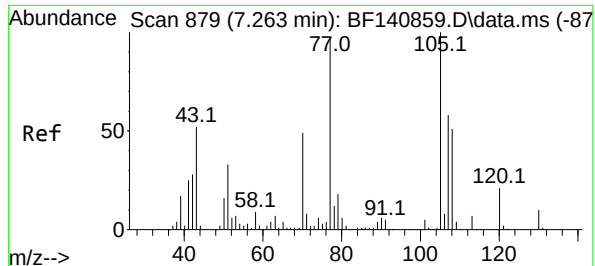


#18
Hexachloroethane
Concen: 38.994 ng
RT: 7.357 min Scan# 895
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26



Tgt Ion:117 Resp: 86395
Ion Ratio Lower Upper
117 100
119 96.7 77.4 116.0
201 104.2 83.4 125.0





#19

n-Nitroso-di-n-propylamine

Concen: 38.220 ng

RT: 7.263 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF140859.D

Acq: 16 Dec 2024 14:26

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 70 Resp: 143279

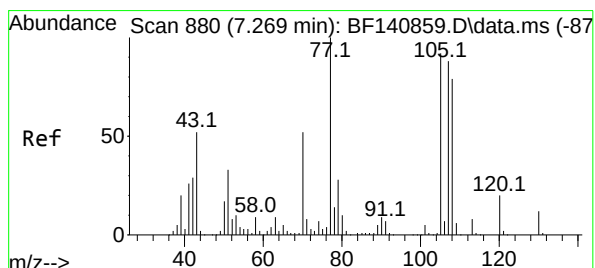
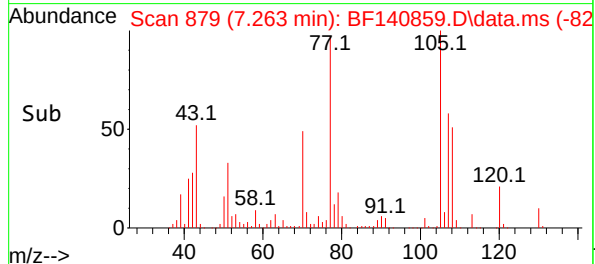
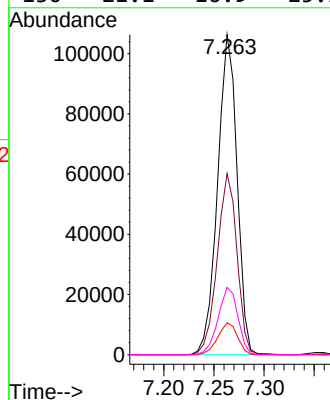
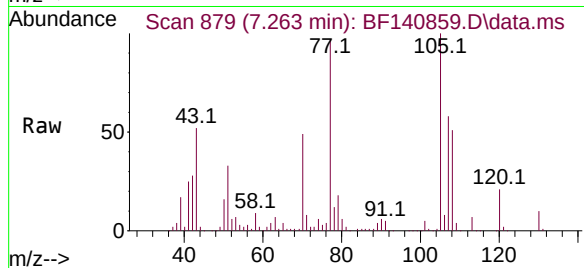
Ion Ratio Lower Upper

70 100

42 56.6 45.3 67.9

101 10.0 8.0 12.0

130 21.1 16.9 25.3



#20

3+4-Methylphenols

Concen: 38.648 ng

RT: 7.269 min Scan# 880

Delta R.T. 0.000 min

Lab File: BF140859.D

Acq: 16 Dec 2024 14:26

Tgt Ion: 107 Resp: 210531

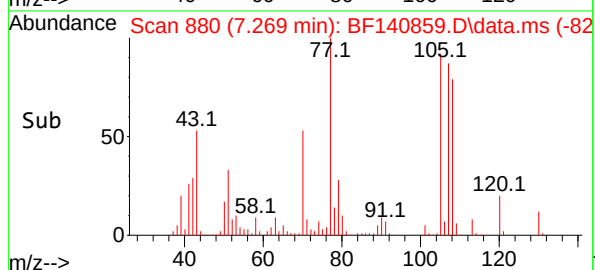
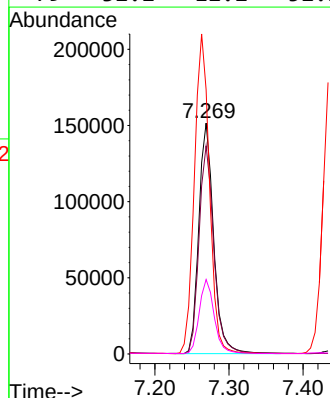
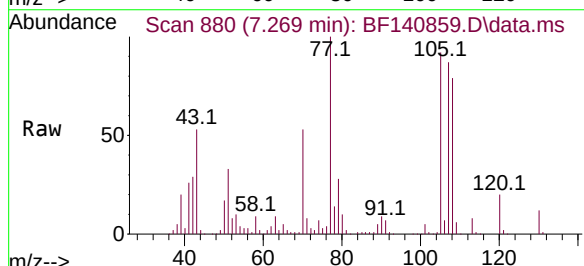
Ion Ratio Lower Upper

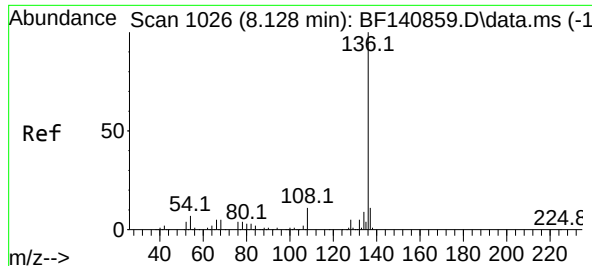
107 100

108 90.1 70.1 110.1

77 114.4 94.4 134.4

79 32.2 12.2 52.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.128 min Scan# 1026

Delta R.T. 0.000 min

Lab File: BF140859.D

Acq: 16 Dec 2024 14:26

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:136 Resp: 293537

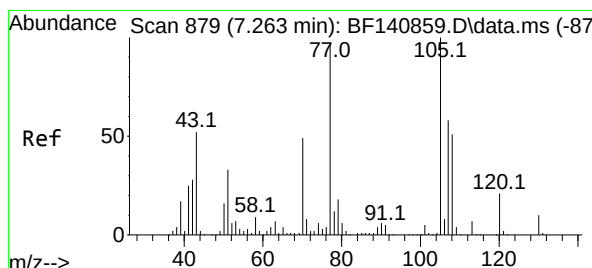
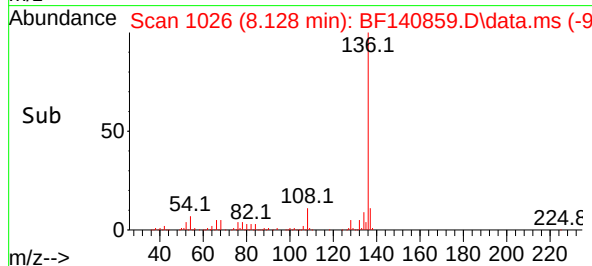
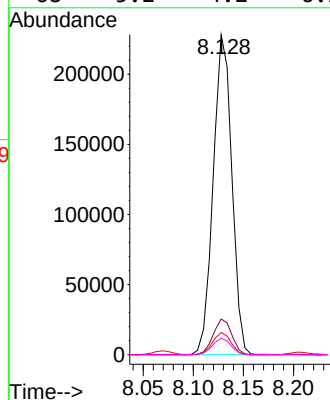
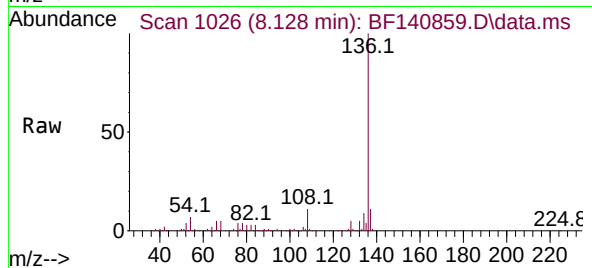
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.4

54 7.0 5.6 8.4

68 5.2 4.2 6.2



#22

Acetophenone

Concen: 39.446 ng

RT: 7.263 min Scan# 879

Delta R.T. 0.000 min

Lab File: BF140859.D

Acq: 16 Dec 2024 14:26

Tgt Ion:105 Resp: 289650

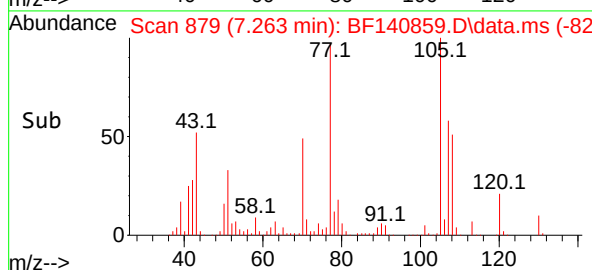
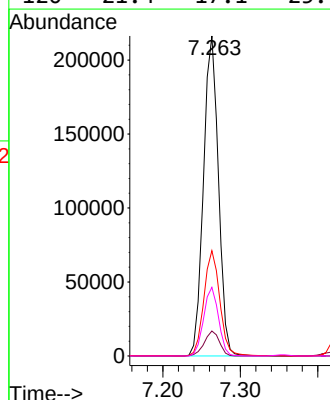
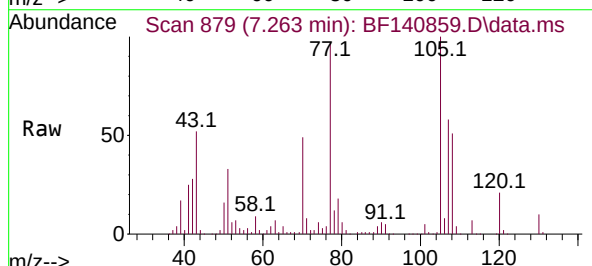
Ion Ratio Lower Upper

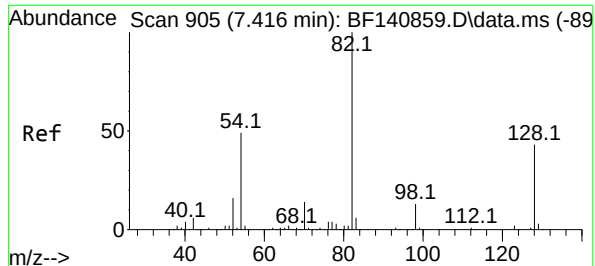
105 100

71 7.8 6.2 9.4

51 32.9 26.3 39.5

120 21.4 17.1 25.7





#23

Nitrobenzene-d5

Concen: 78.576 ng

RT: 7.416 min Scan# 905

Delta R.T. 0.000 min

Lab File: BF140859.D

Acq: 16 Dec 2024 14:26

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

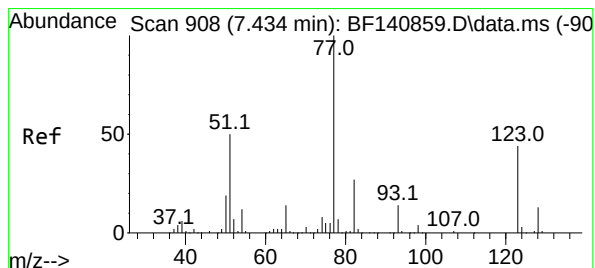
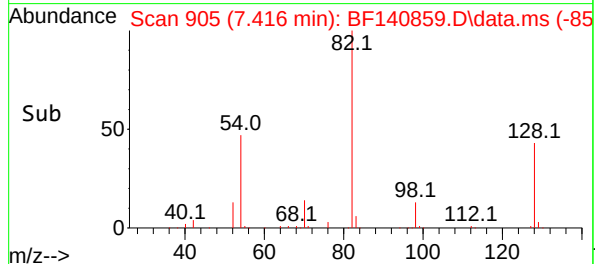
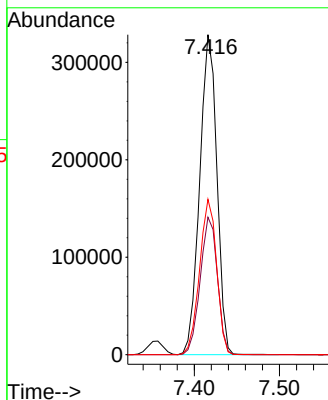
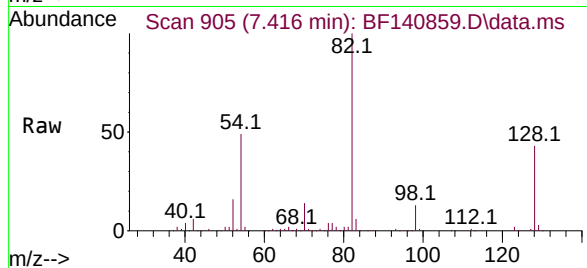
Tgt Ion: 82 Resp: 461011

Ion Ratio Lower Upper

82 100

128 43.0 34.4 51.6

54 48.5 38.8 58.2



#24

Nitrobenzene

Concen: 39.238 ng

RT: 7.434 min Scan# 908

Delta R.T. 0.000 min

Lab File: BF140859.D

Acq: 16 Dec 2024 14:26

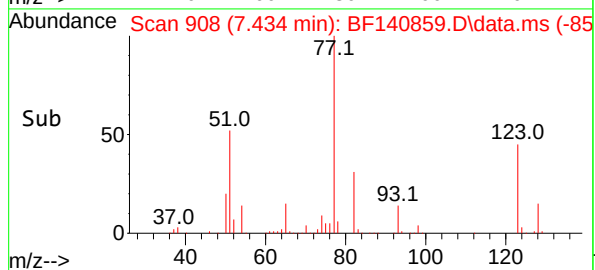
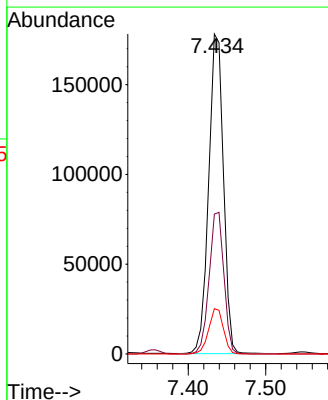
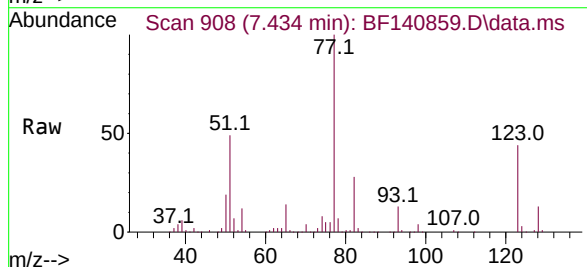
Tgt Ion: 77 Resp: 235847

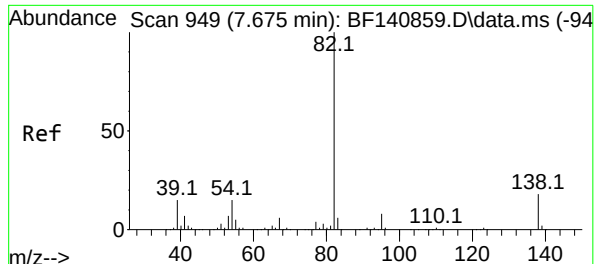
Ion Ratio Lower Upper

77 100

123 43.7 35.0 52.4

65 14.2 11.4 17.0





#25

Isophorone

Concen: 38.852 ng

RT: 7.675 min Scan# 949

Delta R.T. 0.000 min

Lab File: BF140859.D

Acq: 16 Dec 2024 14:26

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

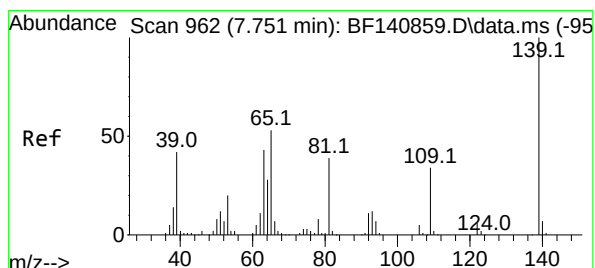
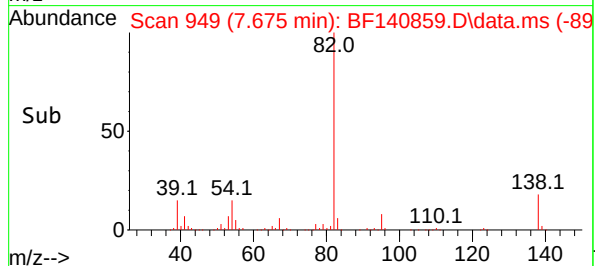
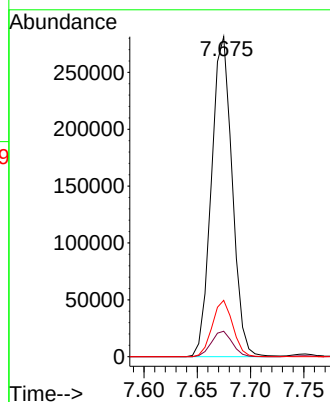
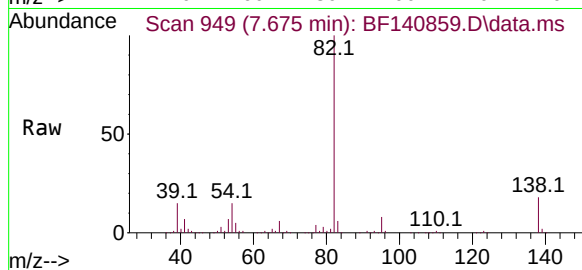
Tgt Ion: 82 Resp: 381938

Ion Ratio Lower Upper

82 100

95 7.9 6.3 9.5

138 17.6 14.1 21.1



#26

2-Nitrophenol

Concen: 39.666 ng

RT: 7.751 min Scan# 962

Delta R.T. 0.000 min

Lab File: BF140859.D

Acq: 16 Dec 2024 14:26

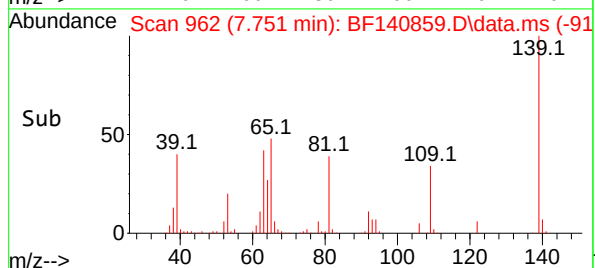
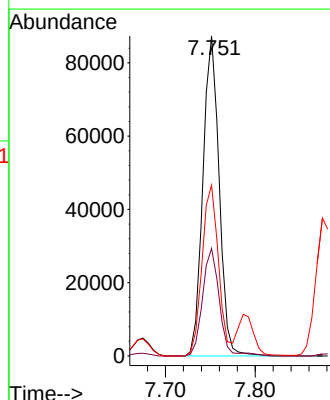
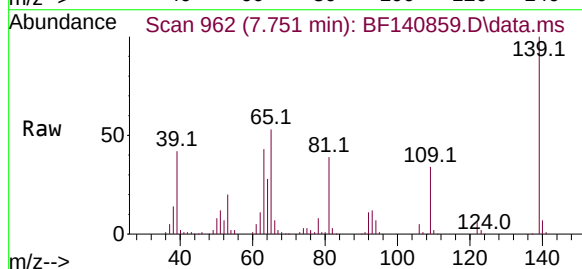
Tgt Ion:139 Resp: 109806

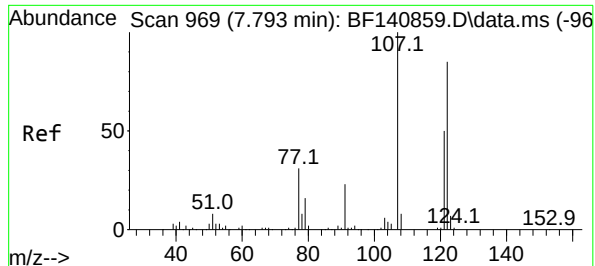
Ion Ratio Lower Upper

139 100

109 33.6 26.9 40.3

65 53.3 42.6 64.0





#27

2,4-Dimethylphenol

Concen: 39.892 ng

RT: 7.793 min Scan# 969

Delta R.T. 0.000 min

Lab File: BF140859.D

Acq: 16 Dec 2024 14:26

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

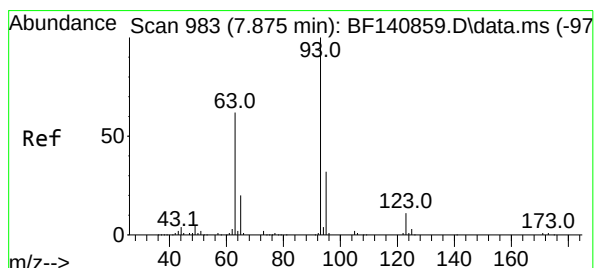
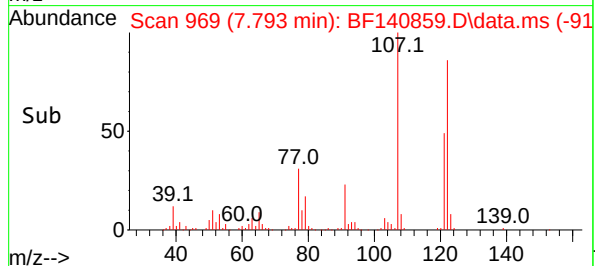
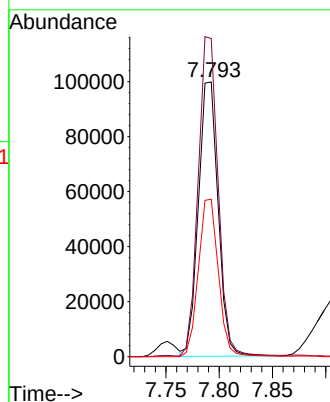
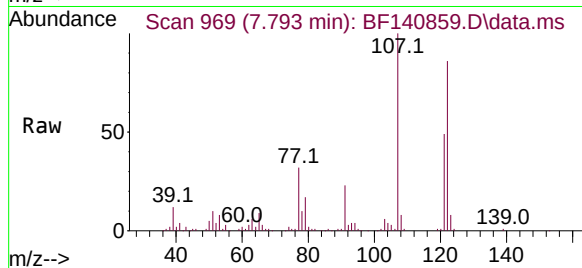
Tgt Ion:122 Resp: 128970

Ion Ratio Lower Upper

122 100

107 115.8 92.6 139.0

121 57.3 45.8 68.8



#28

bis(2-Chloroethoxy)methane

Concen: 39.846 ng

RT: 7.875 min Scan# 983

Delta R.T. 0.000 min

Lab File: BF140859.D

Acq: 16 Dec 2024 14:26

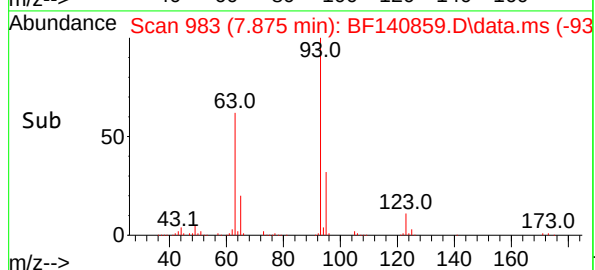
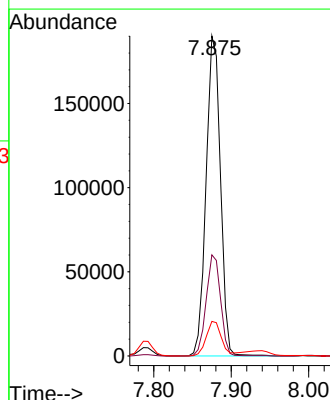
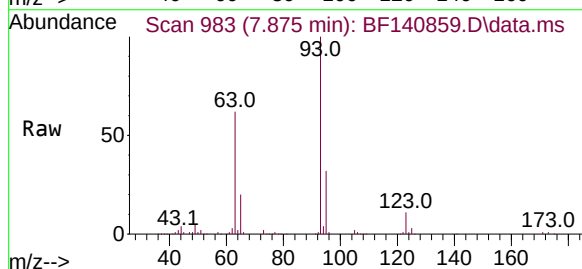
Tgt Ion: 93 Resp: 244652

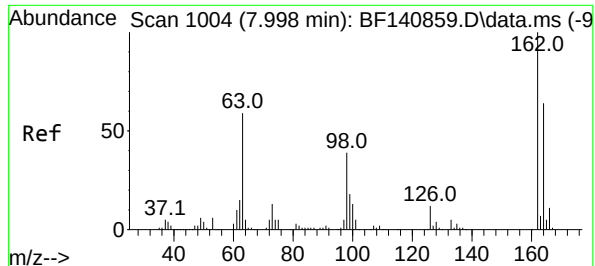
Ion Ratio Lower Upper

93 100

95 31.6 25.3 37.9

123 10.8 8.6 13.0





#29

2,4-Dichlorophenol

Concen: 39.299 ng

RT: 7.998 min Scan# 1004

Delta R.T. 0.000 min

Lab File: BF140859.D

Acq: 16 Dec 2024 14:26

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

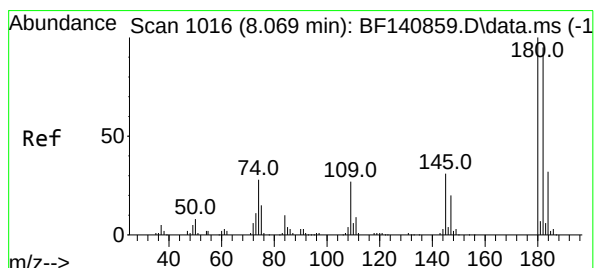
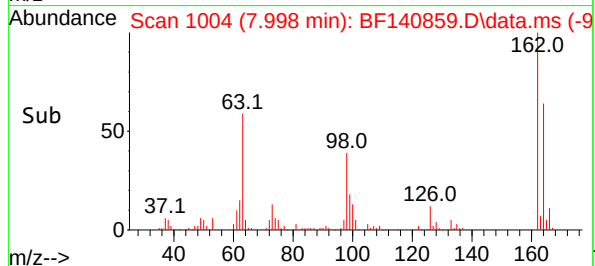
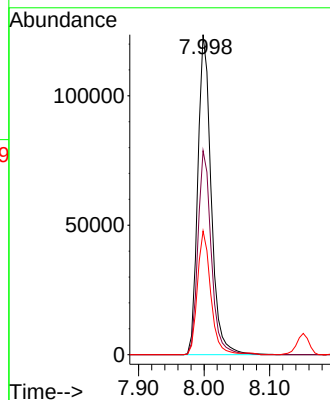
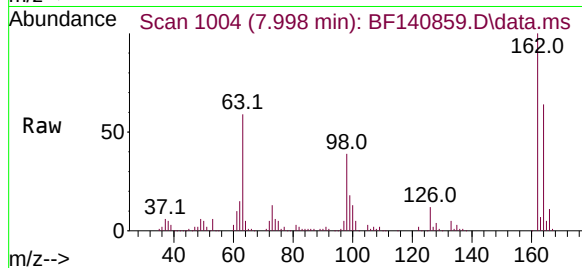
Tgt Ion:162 Resp: 175409

Ion Ratio Lower Upper

162 100

164 63.7 43.7 83.7

98 38.6 18.6 58.6



#30

1,2,4-Trichlorobenzene

Concen: 39.180 ng

RT: 8.069 min Scan# 1016

Delta R.T. 0.000 min

Lab File: BF140859.D

Acq: 16 Dec 2024 14:26

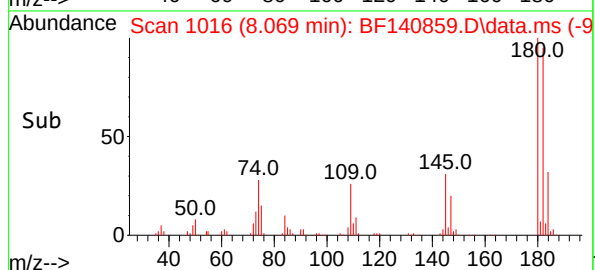
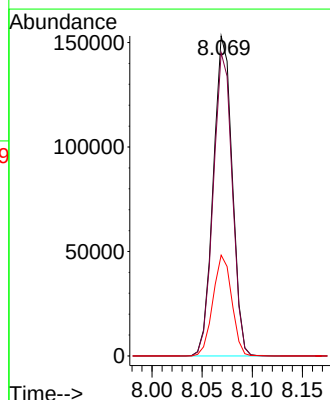
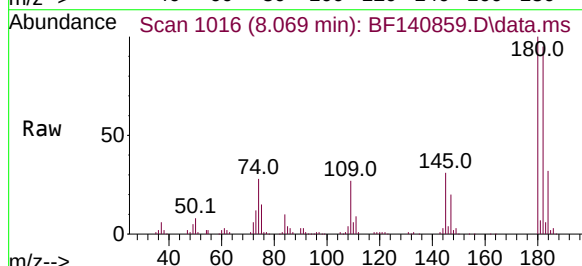
Tgt Ion:180 Resp: 200471

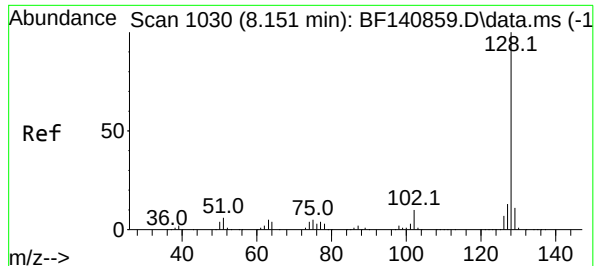
Ion Ratio Lower Upper

180 100

182 94.7 75.8 113.6

145 31.5 25.2 37.8





#31

Naphthalene

Concen: 38.860 ng

RT: 8.151 min Scan# 1030

Delta R.T. 0.000 min

Lab File: BF140859.D

Acq: 16 Dec 2024 14:26

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

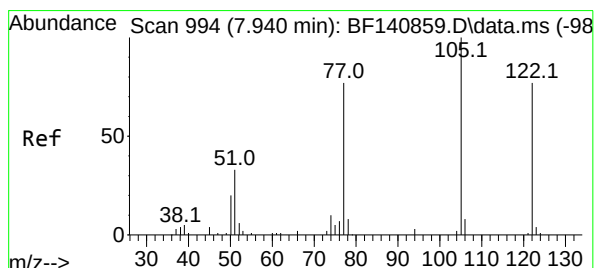
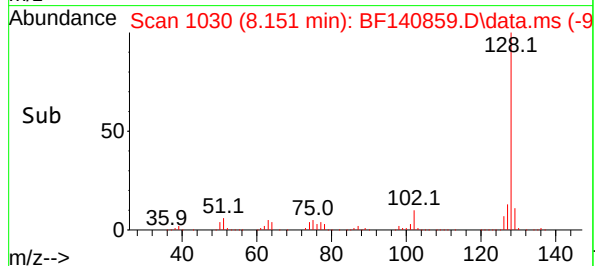
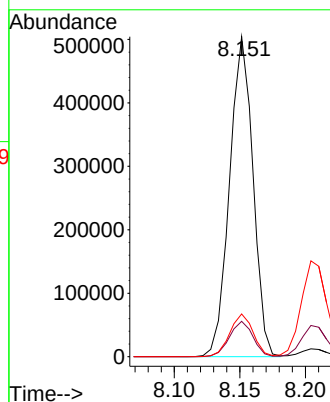
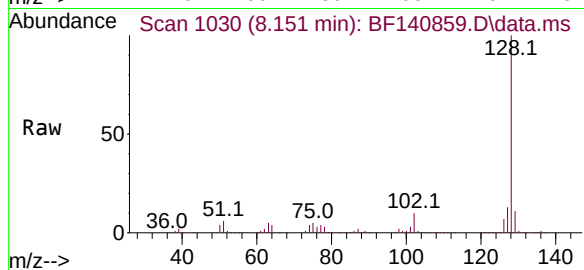
Tgt Ion:128 Resp: 626585

Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

127 13.3 10.6 16.0



#32

Benzoic acid

Concen: 40.510 ng

RT: 7.940 min Scan# 994

Delta R.T. -0.000 min

Lab File: BF140859.D

Acq: 16 Dec 2024 14:26

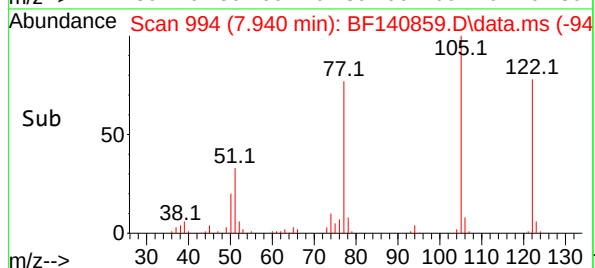
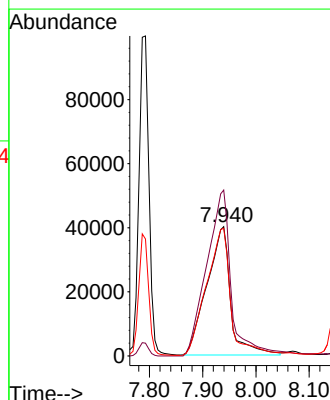
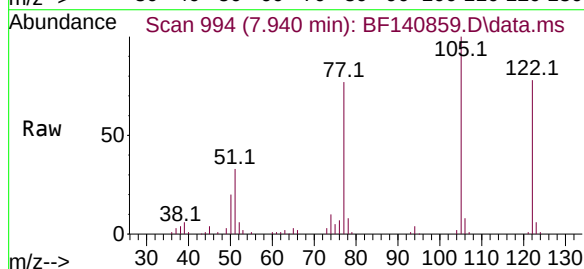
Tgt Ion:122 Resp: 124210

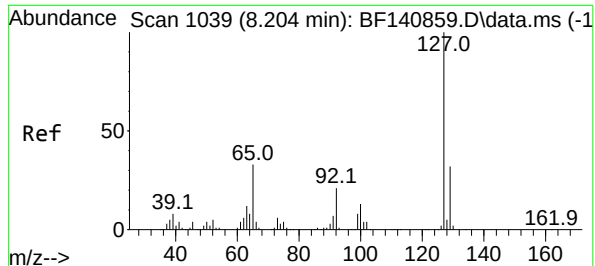
Ion Ratio Lower Upper

122 100

105 128.3 108.3 148.3

77 98.8 78.8 118.8





#33

4-Chloroaniline

Concen: 39.582 ng

RT: 8.204 min Scan# 1039

Delta R.T. 0.000 min

Lab File: BF140859.D

Acq: 16 Dec 2024 14:26

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:127 Resp: 211976

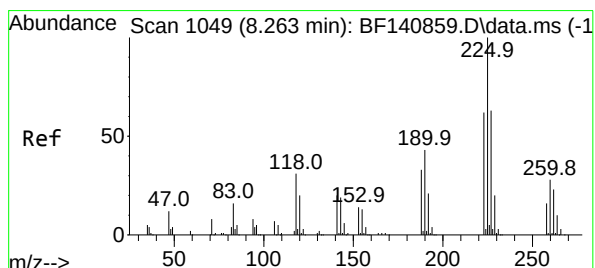
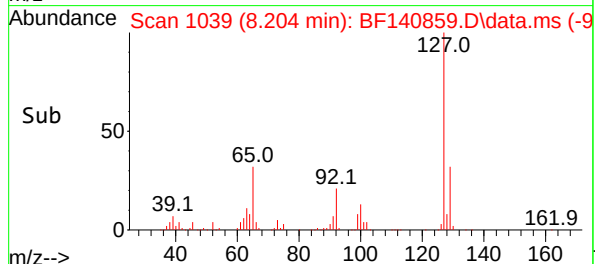
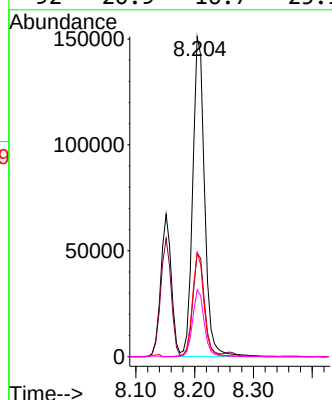
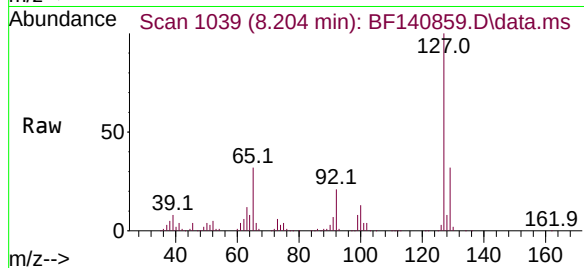
Ion Ratio Lower Upper

127 100

129 32.5 26.0 39.0

65 32.5 26.0 39.0

92 20.9 16.7 25.1



#34

Hexachlorobutadiene

Concen: 39.646 ng

RT: 8.263 min Scan# 1049

Delta R.T. 0.000 min

Lab File: BF140859.D

Acq: 16 Dec 2024 14:26

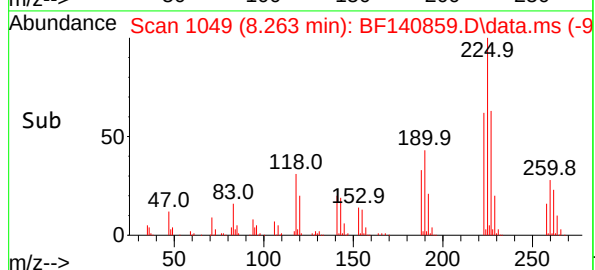
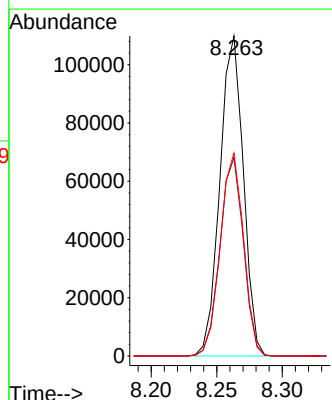
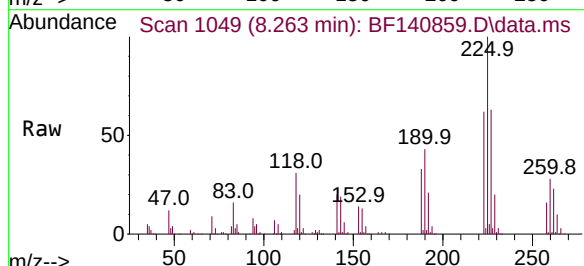
Tgt Ion:225 Resp: 136482

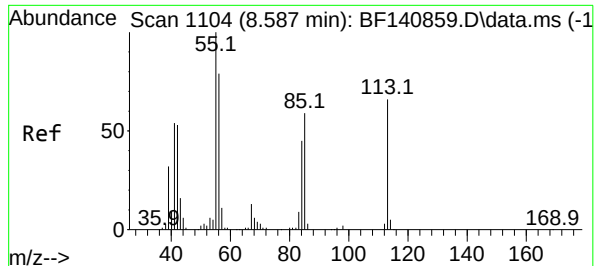
Ion Ratio Lower Upper

225 100

223 62.0 49.6 74.4

227 63.4 50.7 76.1

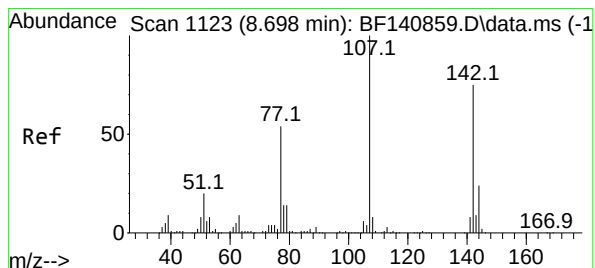
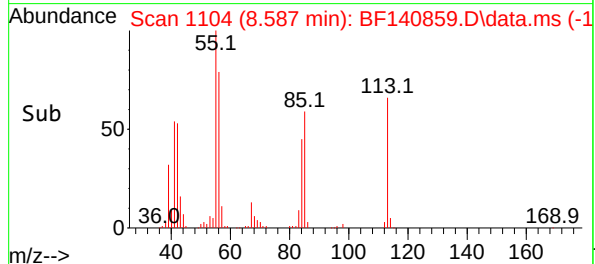
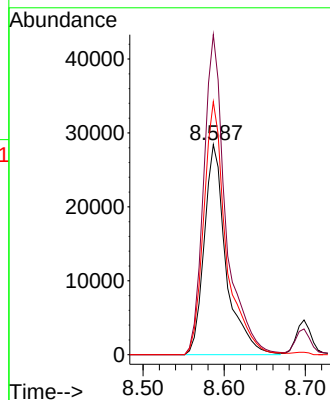
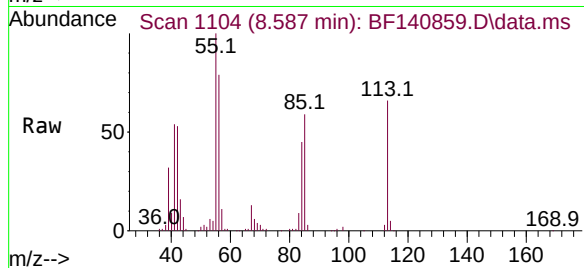




#35
Caprolactam
Concen: 39.930 ng
RT: 8.587 min Scan# 1104
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

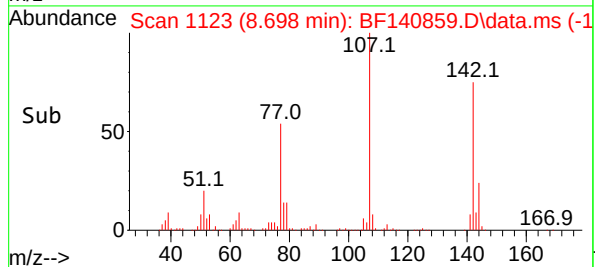
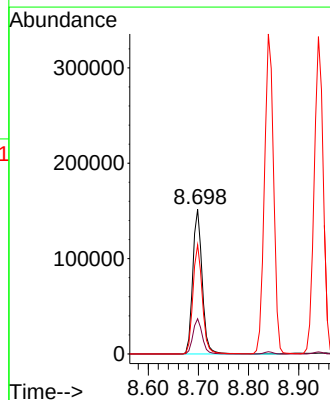
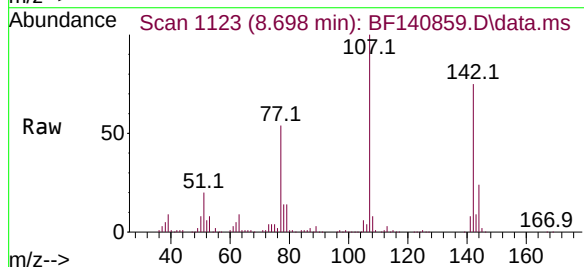
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

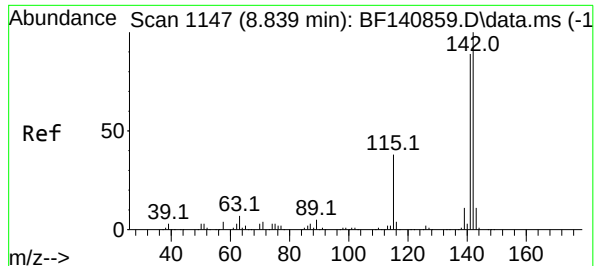
Tgt Ion	Ratio	Lower	Upper
113	100		
55	152.3	132.3	172.3
56	120.3	100.3	140.3



#36
4-Chloro-3-methylphenol
Concen: 39.473 ng
RT: 8.698 min Scan# 1123
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

Tgt Ion	Ratio	Lower	Upper
107	100		
144	24.3	19.4	29.2
142	75.4	60.3	90.5





#37

2-Methylnaphthalene

Concen: 39.693 ng

RT: 8.839 min Scan# 1147

Delta R.T. 0.000 min

Lab File: BF140859.D

Acq: 16 Dec 2024 14:26

Instrument :

BNA_F

ClientSampleId :

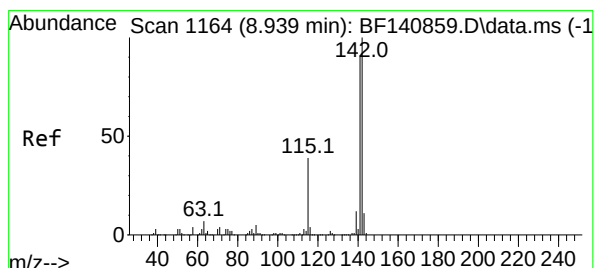
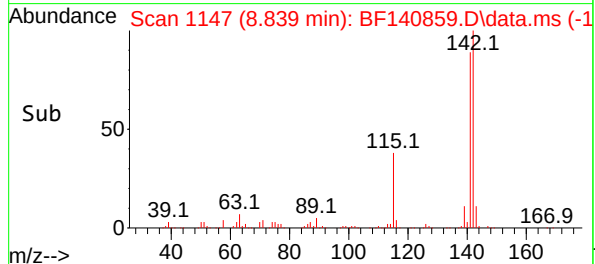
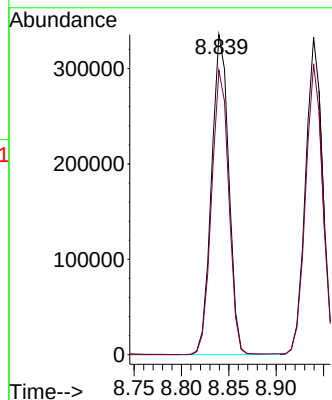
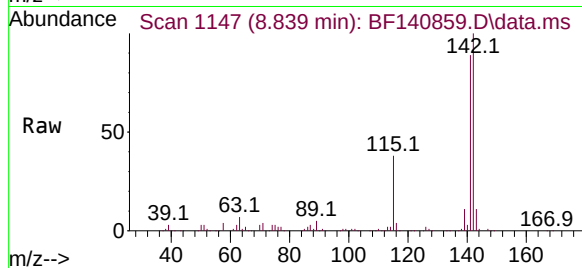
SSTDICCC040

Tgt Ion:142 Resp: 423369

Ion Ratio Lower Upper

142 100

141 88.8 71.0 106.6



#38

1-Methylnaphthalene

Concen: 39.281 ng

RT: 8.939 min Scan# 1164

Delta R.T. 0.000 min

Lab File: BF140859.D

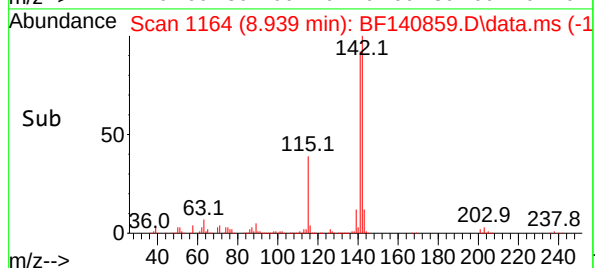
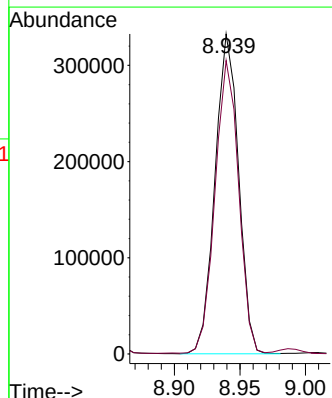
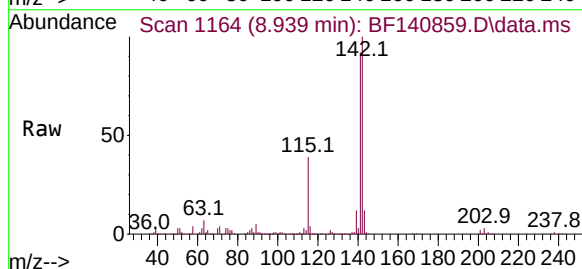
Acq: 16 Dec 2024 14:26

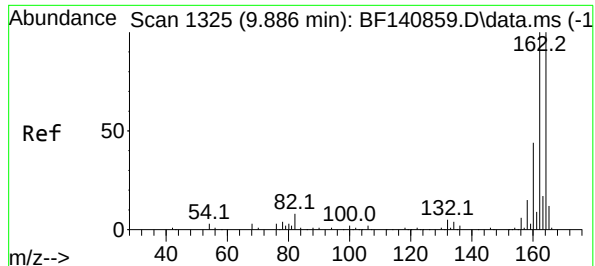
Tgt Ion:142 Resp: 414363

Ion Ratio Lower Upper

142 100

141 91.7 73.4 110.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.886 min Scan# 1176

Delta R.T. 0.000 min

Lab File: BF140859.D

Acq: 16 Dec 2024 14:26

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

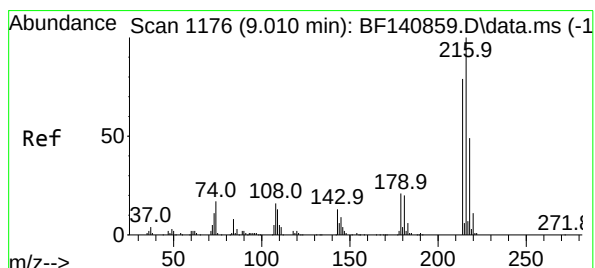
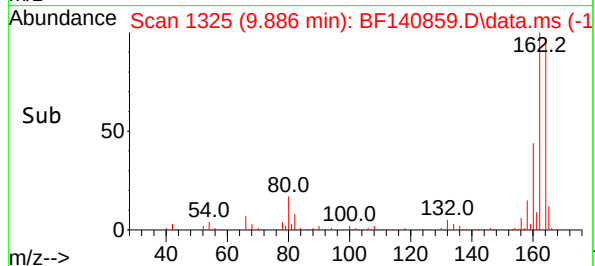
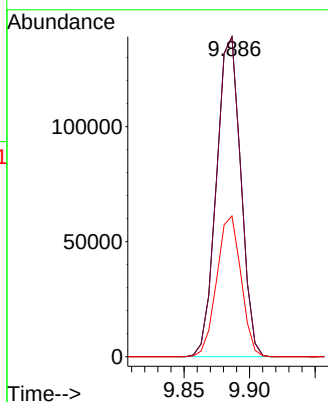
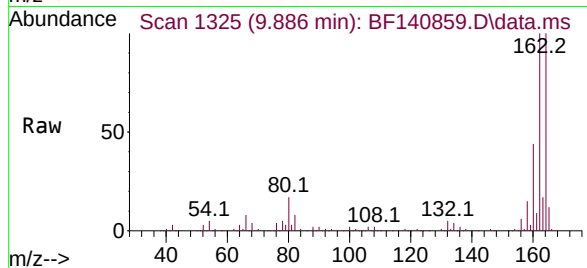
Tgt Ion:164 Resp: 179301

Ion Ratio Lower Upper

164 100

162 99.9 79.9 119.9

160 44.0 35.2 52.8



#40

1,2,4,5-Tetrachlorobenzene

Concen: 37.768 ng

RT: 9.010 min Scan# 1176

Delta R.T. 0.000 min

Lab File: BF140859.D

Acq: 16 Dec 2024 14:26

Tgt Ion:216 Resp: 208141

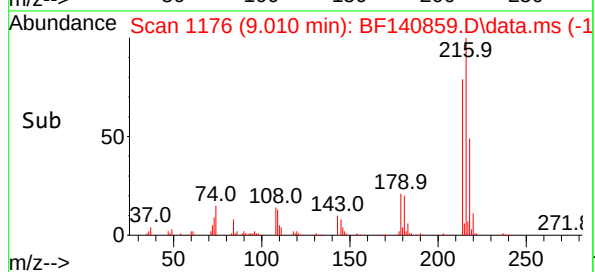
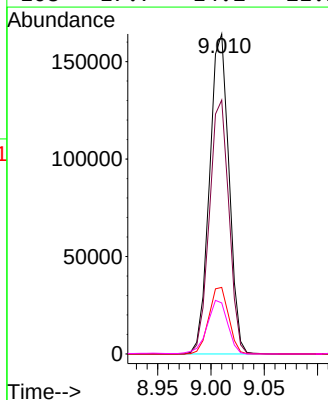
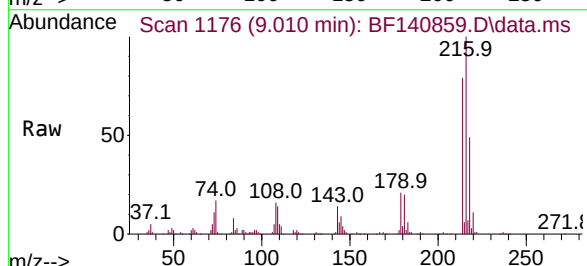
Ion Ratio Lower Upper

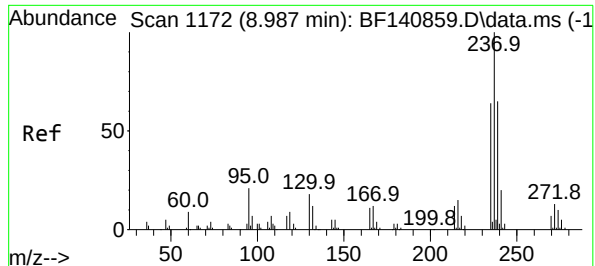
216 100

214 79.5 63.6 95.4

179 21.2 17.0 25.4

108 17.7 14.2 21.2





#41

Hexachlorocyclopentadiene

Concen: 39.476 ng

RT: 8.987 min Scan# 1172

Delta R.T. -0.000 min

Lab File: BF140859.D

Acq: 16 Dec 2024 14:26

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

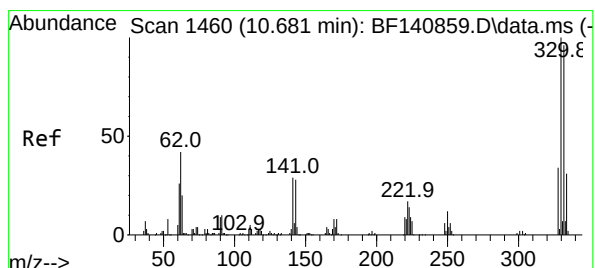
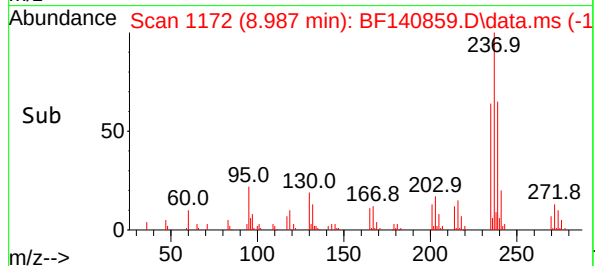
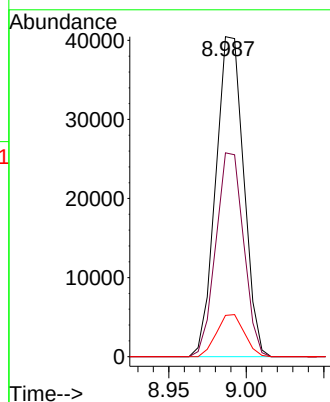
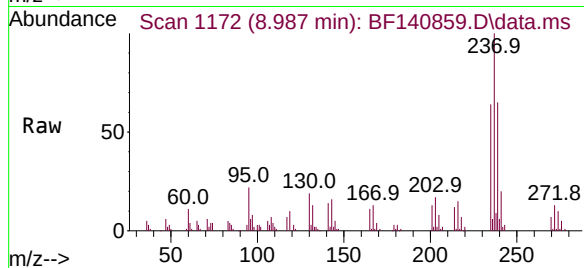
Tgt Ion:237 Resp: 50793

Ion Ratio Lower Upper

237 100

235 63.7 43.7 83.7

272 12.9 0.0 32.9



#42

2,4,6-Tribromophenol

Concen: 81.197 ng

RT: 10.681 min Scan# 1460

Delta R.T. 0.000 min

Lab File: BF140859.D

Acq: 16 Dec 2024 14:26

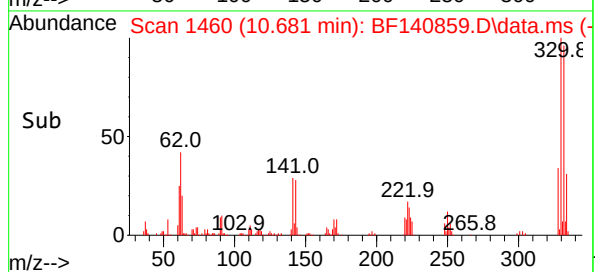
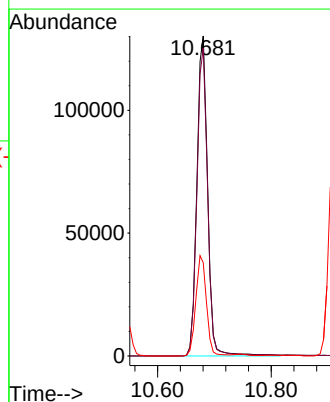
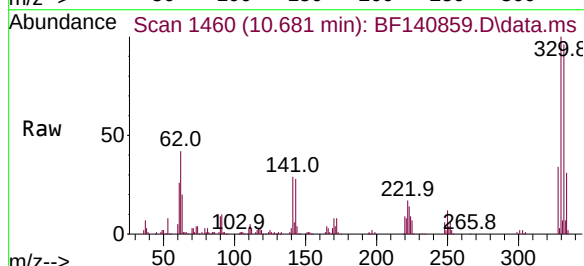
Tgt Ion:330 Resp: 172188

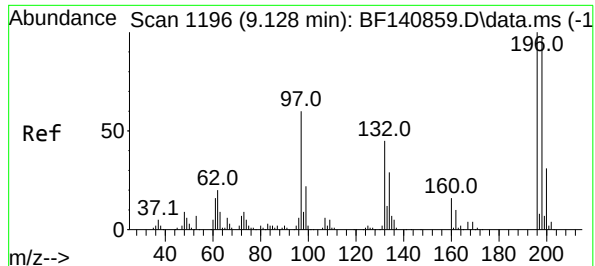
Ion Ratio Lower Upper

330 100

332 95.3 76.2 114.4

141 31.1 24.9 37.3





#43

2,4,6-Trichlorophenol

Concen: 38.631 ng

RT: 9.128 min Scan# 1196

Delta R.T. 0.000 min

Lab File: BF140859.D

Acq: 16 Dec 2024 14:26

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

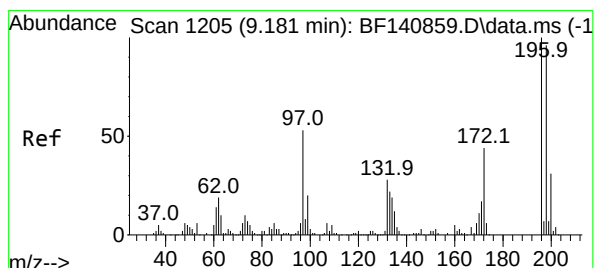
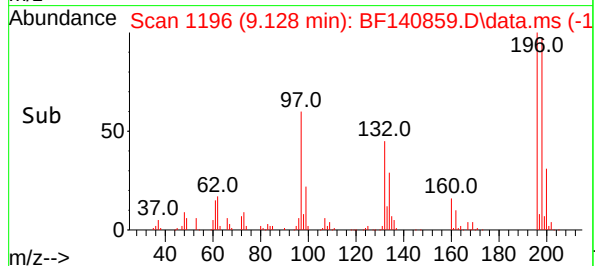
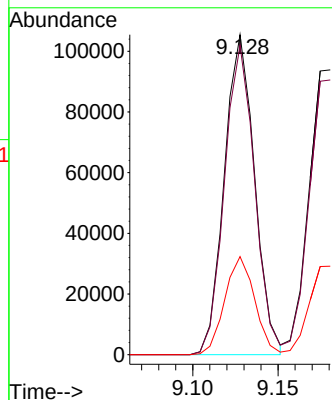
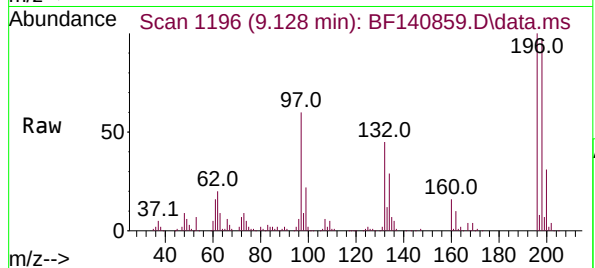
Tgt Ion:196 Resp: 130363

Ion Ratio Lower Upper

196 100

198 96.7 77.4 116.0

200 30.6 24.5 36.7



#44

2,4,5-Trichlorophenol

Concen: 38.395 ng

RT: 9.181 min Scan# 1205

Delta R.T. 0.000 min

Lab File: BF140859.D

Acq: 16 Dec 2024 14:26

Tgt Ion:196 Resp: 142411

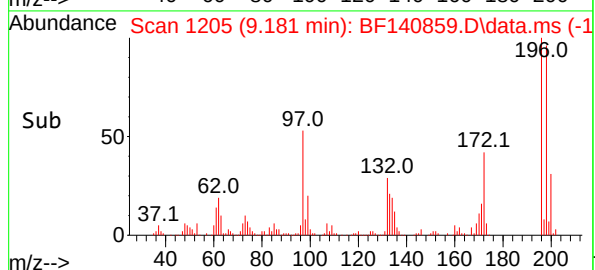
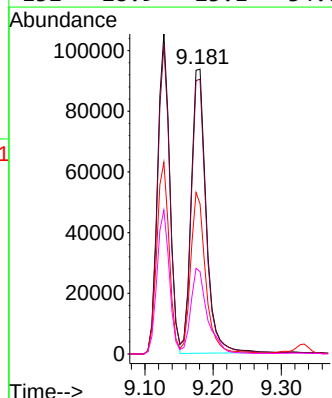
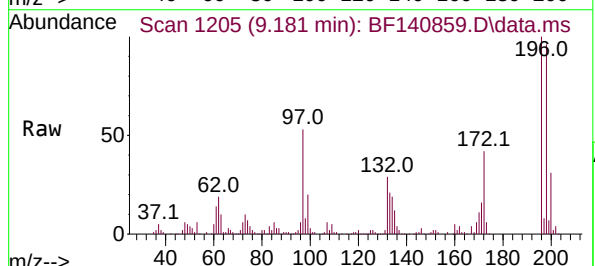
Ion Ratio Lower Upper

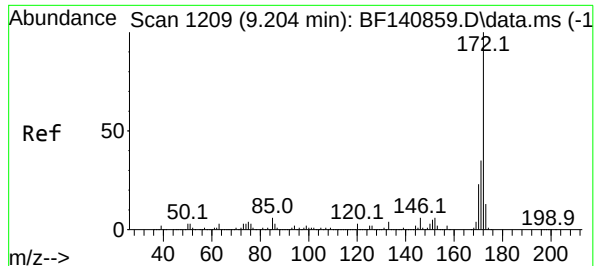
196 100

198 96.5 77.2 115.8

97 52.8 42.2 63.4

132 28.9 23.1 34.7





#45

2-Fluorobiphenyl

Concen: 75.290 ng

RT: 9.204 min Scan# 1209

Delta R.T. 0.000 min

Lab File: BF140859.D

Acq: 16 Dec 2024 14:26

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

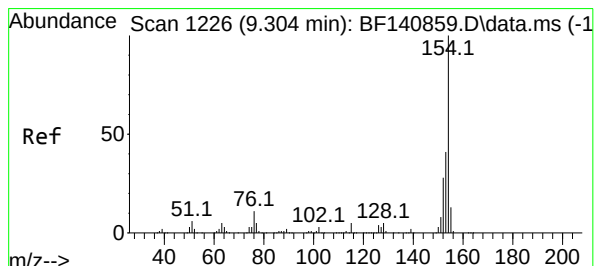
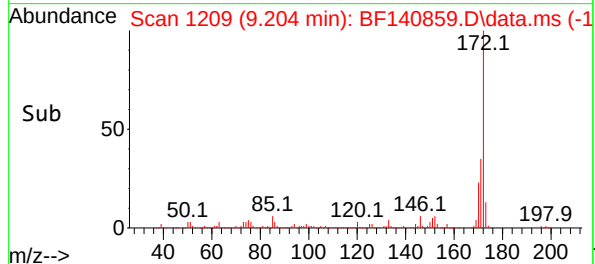
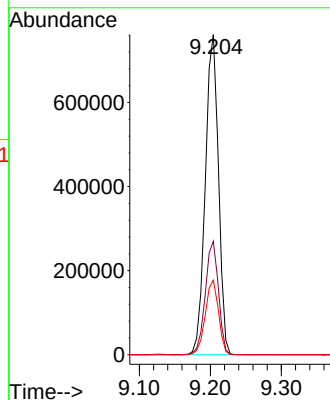
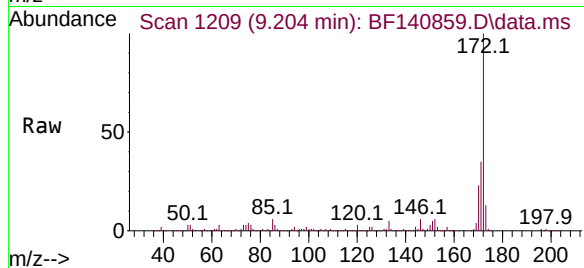
Tgt Ion:172 Resp: 981889

Ion Ratio Lower Upper

172 100

171 35.5 28.4 42.6

170 23.3 18.6 28.0



#46

1,1'-Biphenyl

Concen: 38.044 ng

RT: 9.304 min Scan# 1226

Delta R.T. 0.000 min

Lab File: BF140859.D

Acq: 16 Dec 2024 14:26

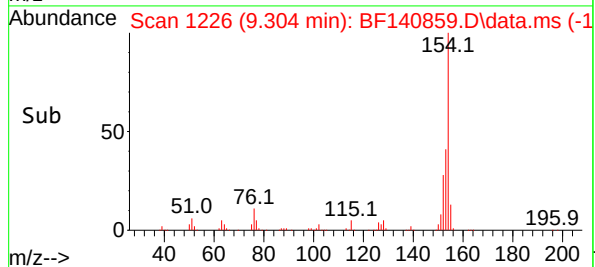
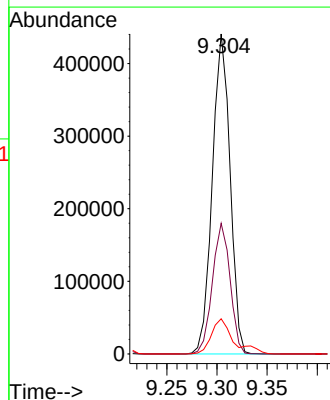
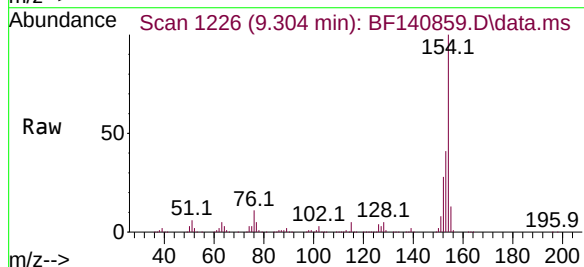
Tgt Ion:154 Resp: 542419

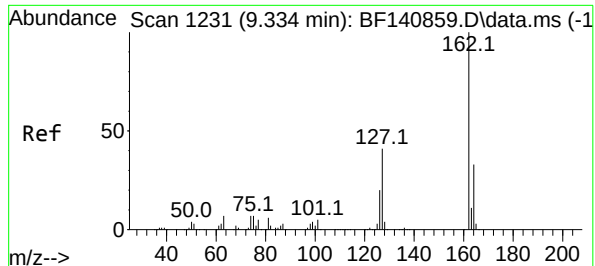
Ion Ratio Lower Upper

154 100

153 40.8 20.8 60.8

76 11.0 0.0 31.0

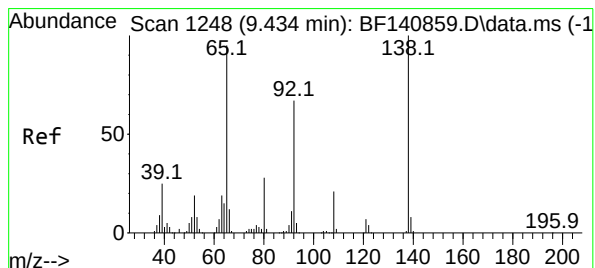
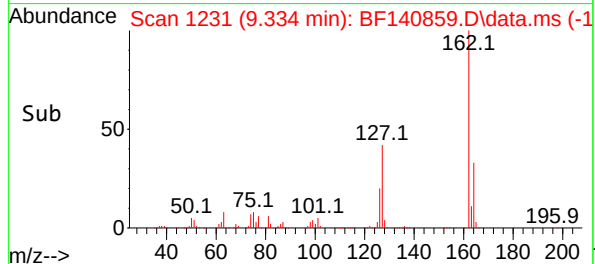
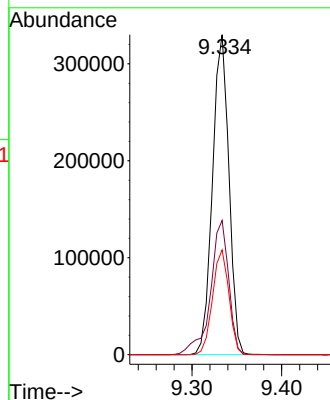
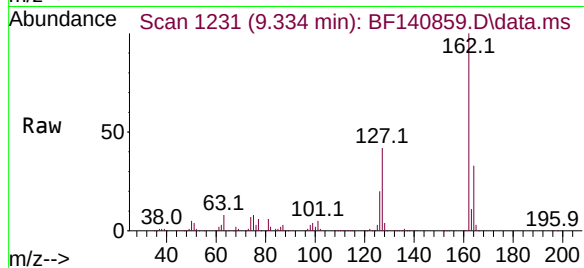




#47
2-Chloronaphthalene
Concen: 38.447 ng
RT: 9.334 min Scan# 1231
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

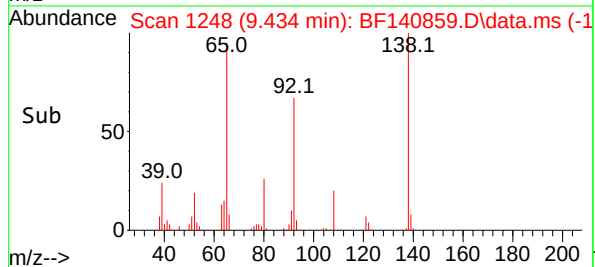
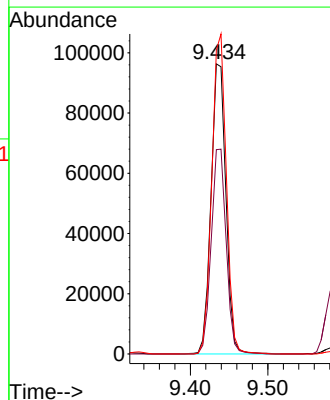
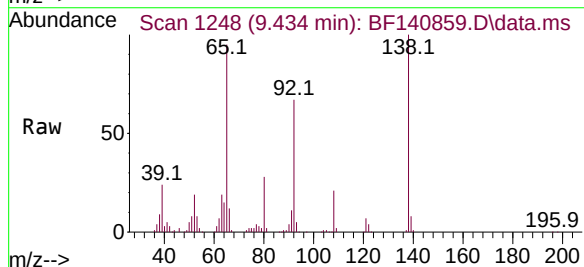
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

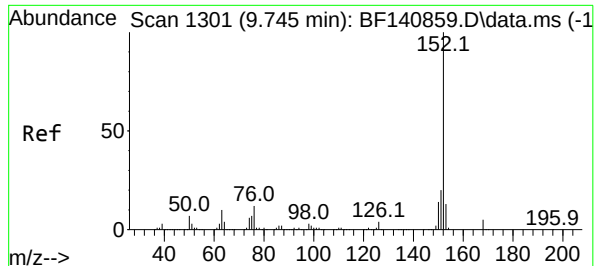
Tgt Ion:162 Resp: 419357
Ion Ratio Lower Upper
162 100
127 41.9 33.5 50.3
164 32.7 26.2 39.2



#48
2-Nitroaniline
Concen: 38.984 ng
RT: 9.434 min Scan# 1248
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

Tgt Ion: 65 Resp: 128421
Ion Ratio Lower Upper
65 100
92 70.4 56.3 84.5
138 104.7 83.8 125.6





#49

Acenaphthylene

Concen: 38.790 ng

RT: 9.745 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF140859.D

Acq: 16 Dec 2024 14:26

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

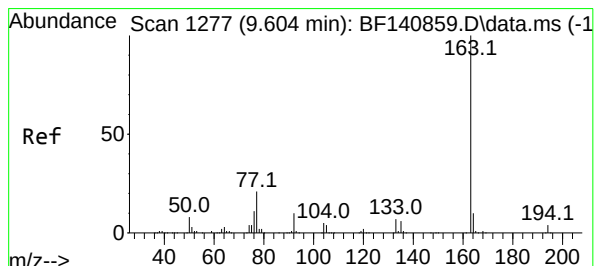
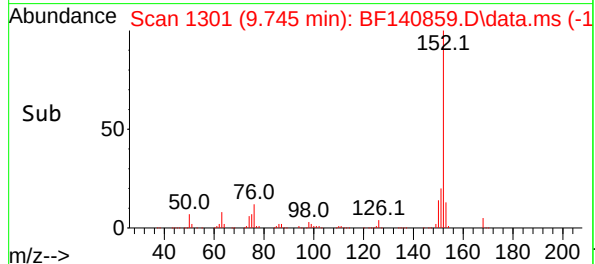
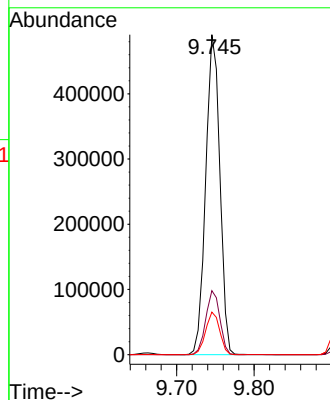
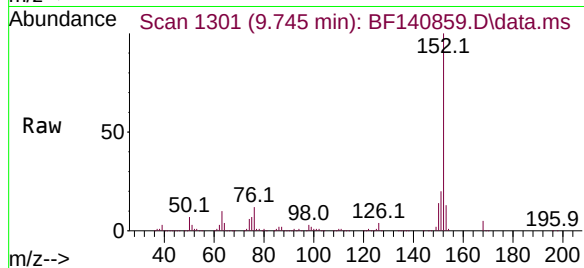
Tgt Ion:152 Resp: 621763

Ion Ratio Lower Upper

152 100

151 20.0 16.0 24.0

153 13.3 10.6 16.0



#50

Dimethylphthalate

Concen: 38.566 ng

RT: 9.604 min Scan# 1277

Delta R.T. 0.000 min

Lab File: BF140859.D

Acq: 16 Dec 2024 14:26

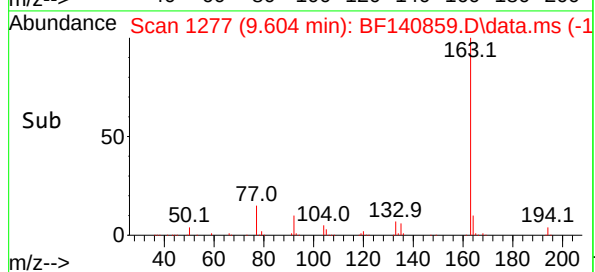
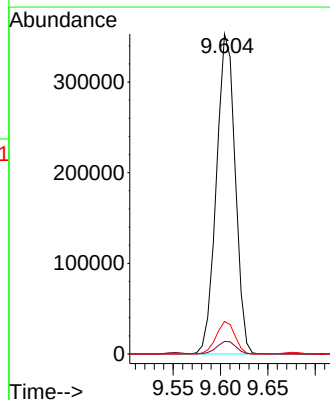
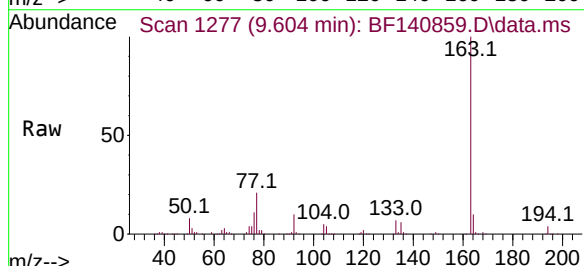
Tgt Ion:163 Resp: 487517

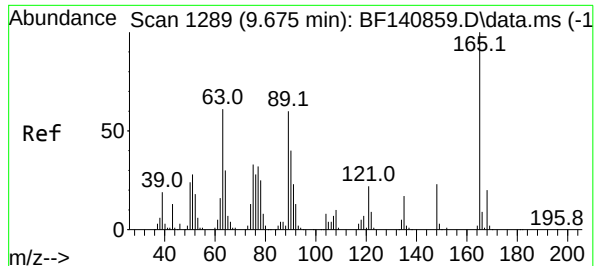
Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

164 10.1 8.1 12.1





#51

2,6-Dinitrotoluene

Concen: 38.752 ng

RT: 9.675 min Scan# 1289

Delta R.T. 0.000 min

Lab File: BF140859.D

Acq: 16 Dec 2024 14:26

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

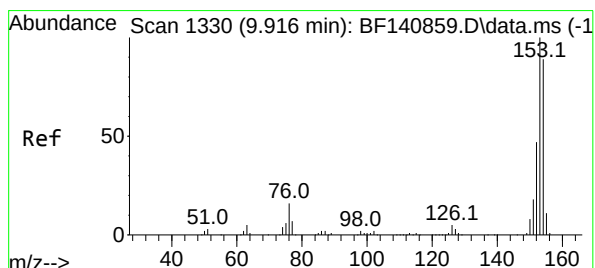
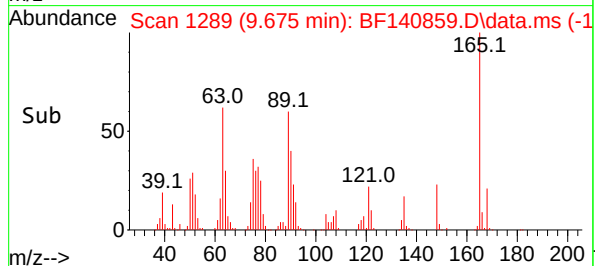
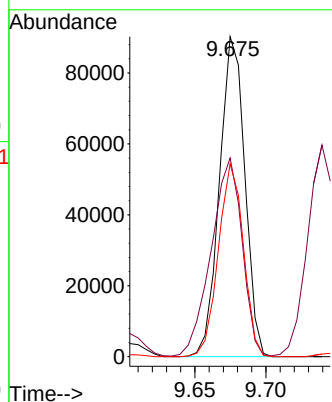
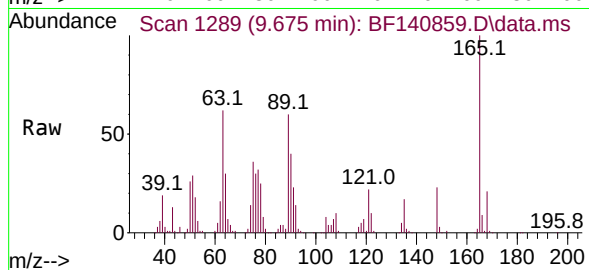
Tgt Ion:165 Resp: 111990

Ion Ratio Lower Upper

165 100

63 62.1 49.7 74.5

89 60.3 48.2 72.4



#52

Acenaphthene

Concen: 38.965 ng

RT: 9.916 min Scan# 1330

Delta R.T. 0.000 min

Lab File: BF140859.D

Acq: 16 Dec 2024 14:26

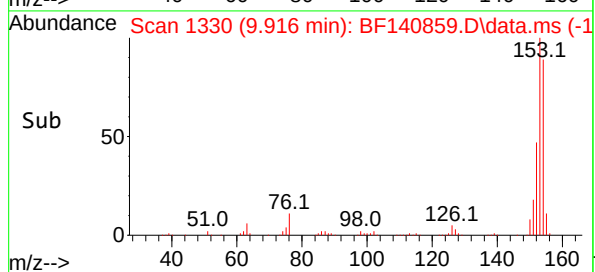
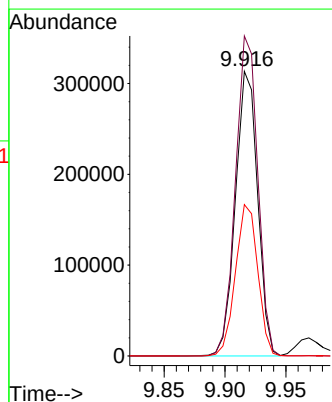
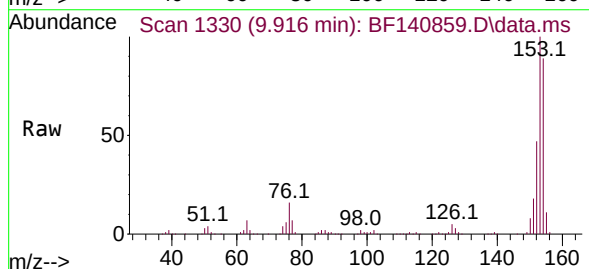
Tgt Ion:154 Resp: 398965

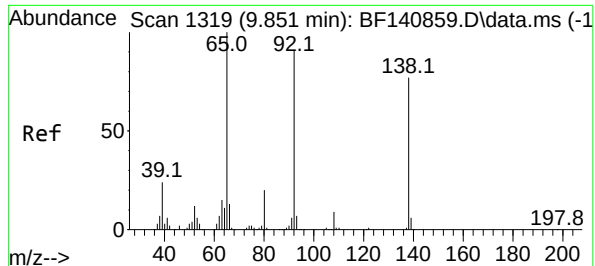
Ion Ratio Lower Upper

154 100

153 112.4 89.9 134.9

152 53.2 42.6 63.8

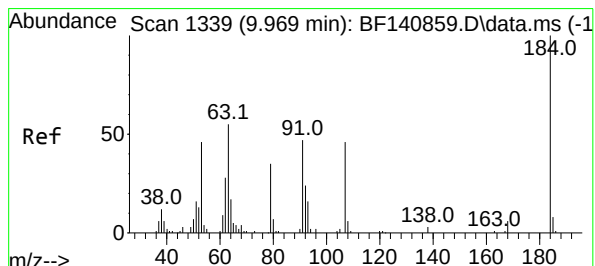
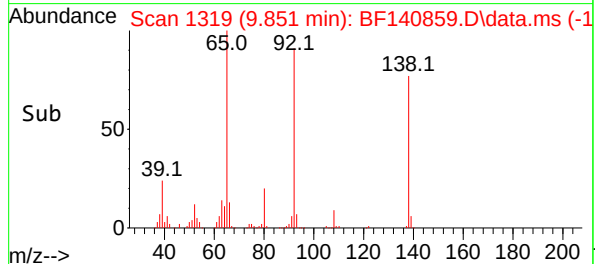
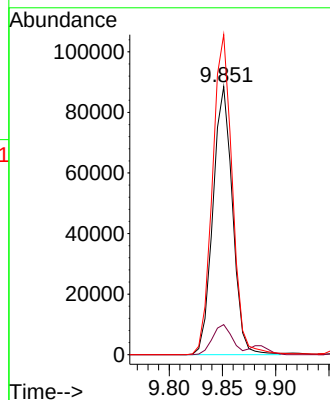
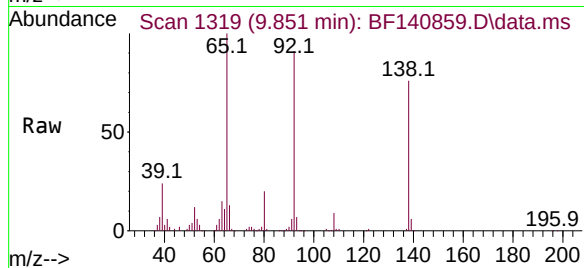




#53
3-Nitroaniline
Concen: 39.481 ng
RT: 9.851 min Scan# 1319
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

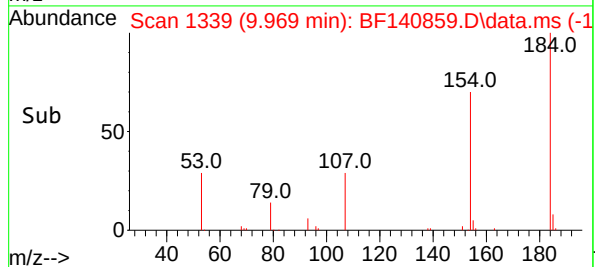
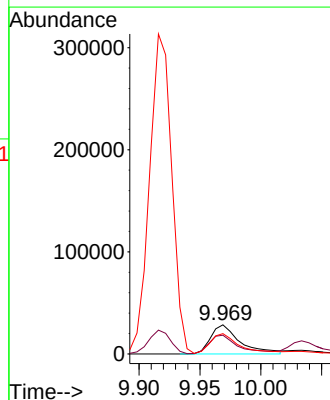
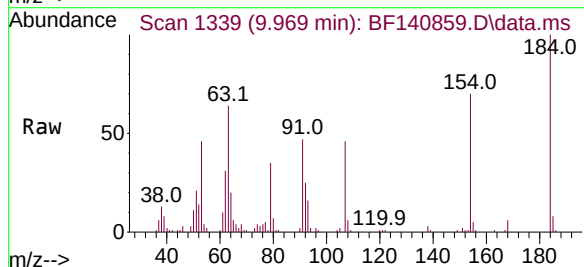
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

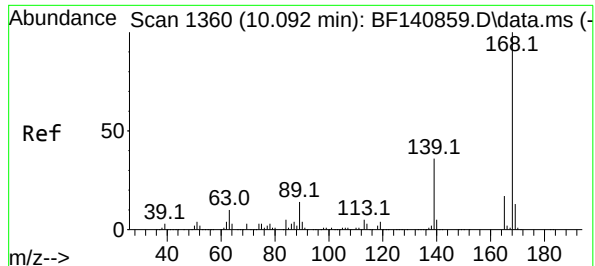
Tgt Ion:138 Resp: 113227
Ion Ratio Lower Upper
138 100
108 11.2 9.0 13.4
92 119.4 95.5 143.3



#54
2,4-Dinitrophenol
Concen: 37.788 ng
RT: 9.969 min Scan# 1339
Delta R.T. -0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

Tgt Ion:184 Resp: 47982
Ion Ratio Lower Upper
184 100
63 64.5 51.6 77.4
154 70.1 56.1 84.1





#55

Dibenzenofuran

Concen: 39.066 ng

RT: 10.092 min Scan# 1360

Delta R.T. 0.000 min

Lab File: BF140859.D

Acq: 16 Dec 2024 14:26

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

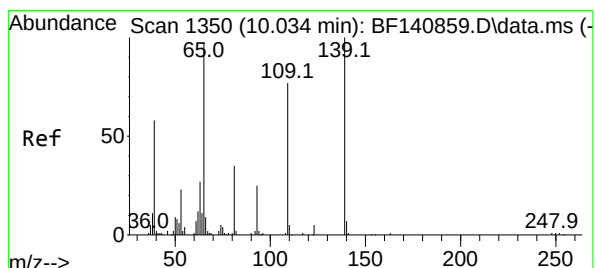
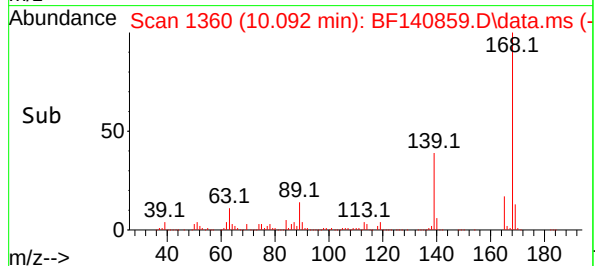
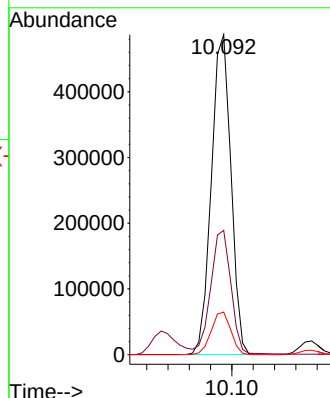
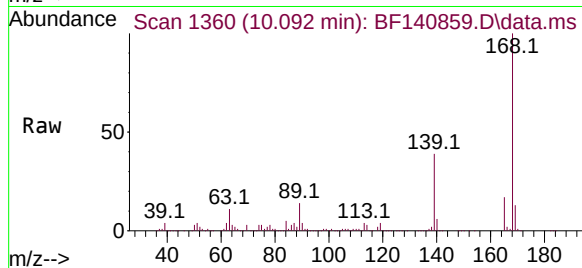
Tgt Ion:168 Resp: 619833

Ion Ratio Lower Upper

168 100

139 38.9 31.1 46.7

169 13.3 10.6 16.0



#56

4-Nitrophenol

Concen: 40.590 ng

RT: 10.034 min Scan# 1350

Delta R.T. -0.000 min

Lab File: BF140859.D

Acq: 16 Dec 2024 14:26

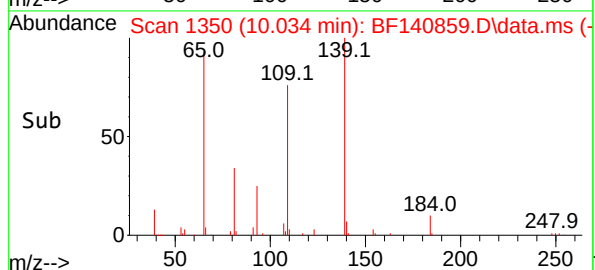
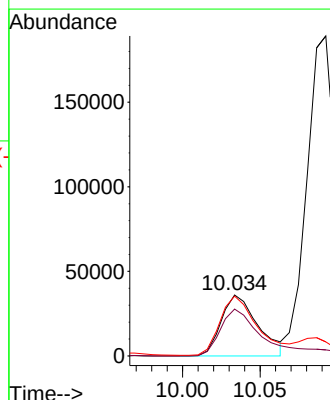
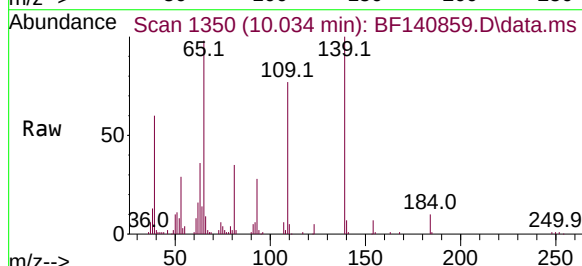
Tgt Ion:139 Resp: 59043

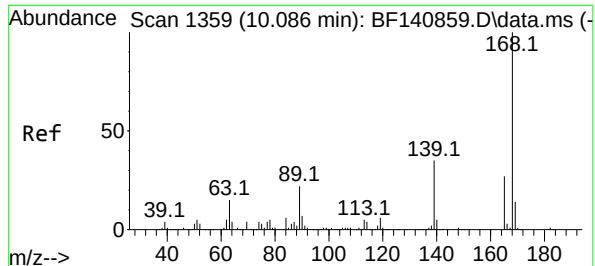
Ion Ratio Lower Upper

139 100

109 76.7 56.7 96.7

65 98.1 78.1 118.1

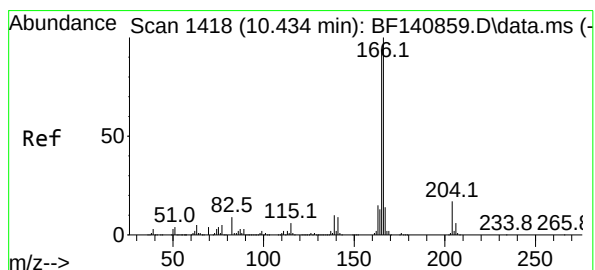
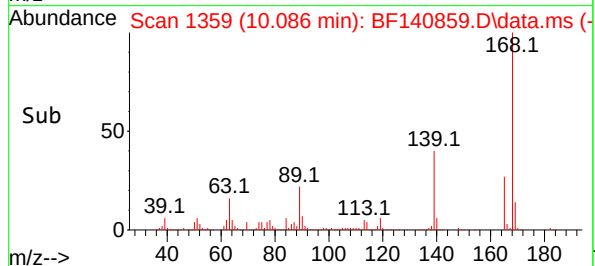
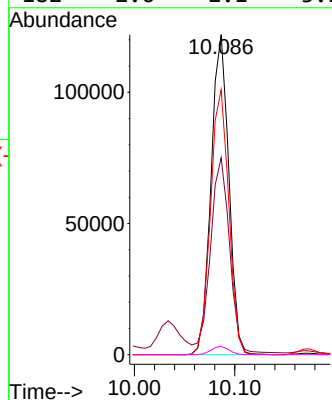
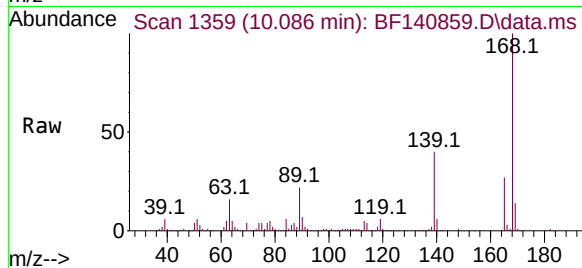




#57
2,4-Dinitrotoluene
Concen: 39.502 ng
RT: 10.086 min Scan# 1359
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

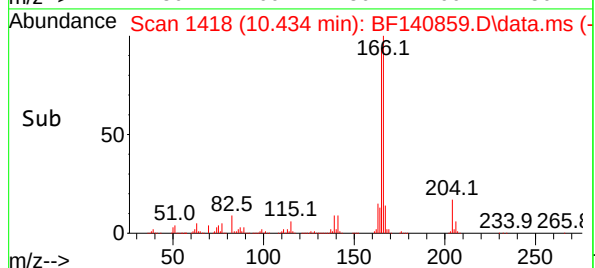
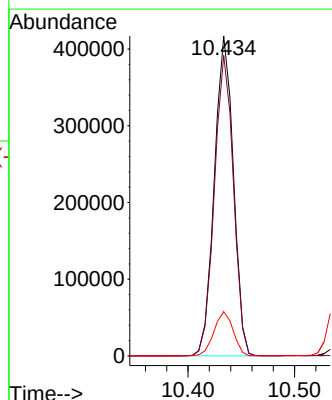
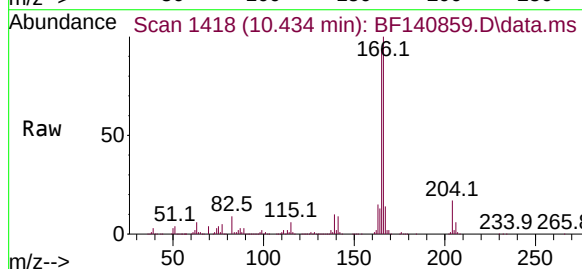
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

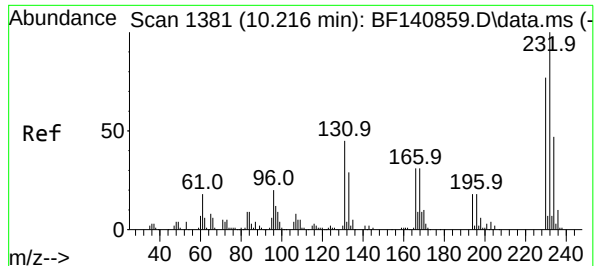
Tgt Ion:165 Resp: 150199
Ion Ratio Lower Upper
165 100
63 61.6 49.3 73.9
89 82.8 66.2 99.4
182 2.6 2.1 3.1



#58
Fluorene
Concen: 39.568 ng
RT: 10.434 min Scan# 1418
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

Tgt Ion:166 Resp: 517920
Ion Ratio Lower Upper
166 100
165 93.9 75.1 112.7
167 13.9 11.1 16.7

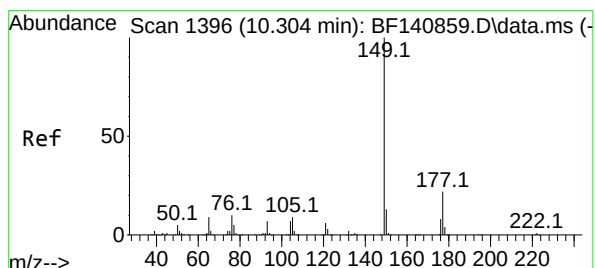
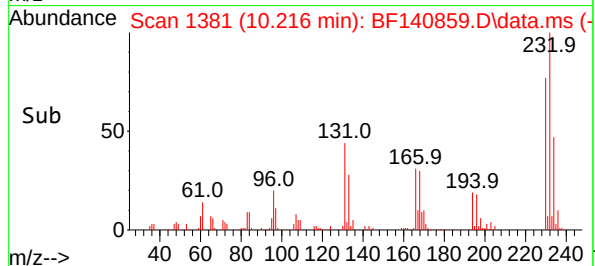
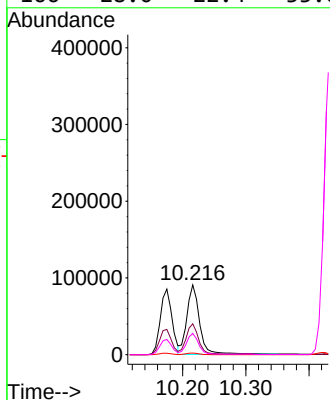
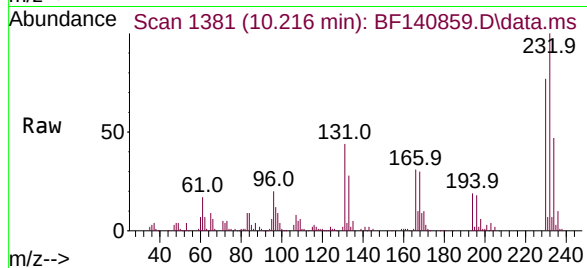




#59
2,3,4,6-Tetrachlorophenol
Concen: 42.028 ng
RT: 10.216 min Scan# 1381
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

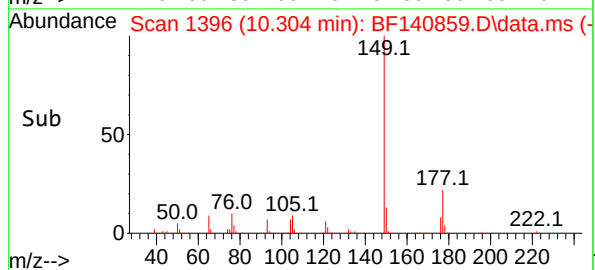
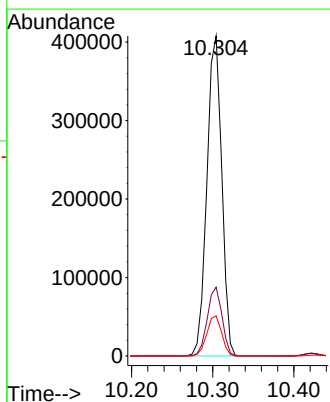
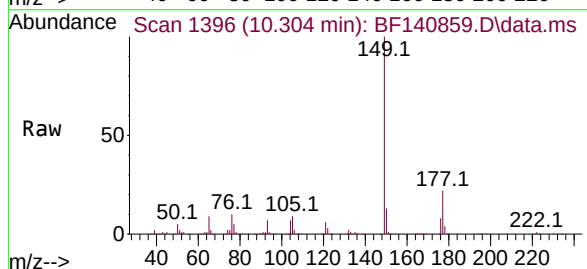
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

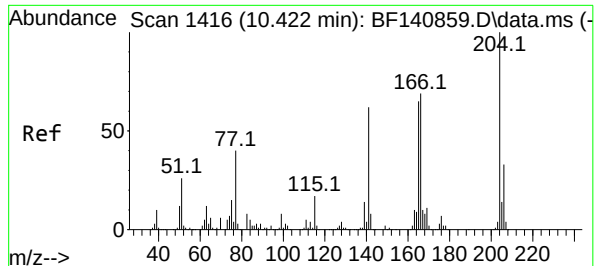
Tgt Ion:232 Resp: 127023
Ion Ratio Lower Upper
232 100
131 43.9 35.1 52.7
130 2.3 1.8 2.8
166 28.0 22.4 33.6



#60
Diethylphthalate
Concen: 39.375 ng
RT: 10.304 min Scan# 1396
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

Tgt Ion:149 Resp: 516146
Ion Ratio Lower Upper
149 100
177 21.5 17.2 25.8
150 12.6 10.1 15.1

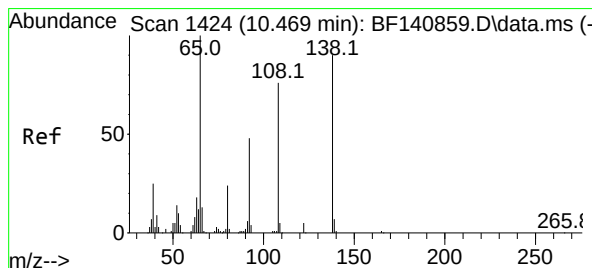
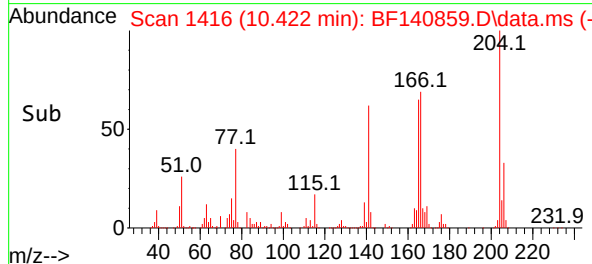
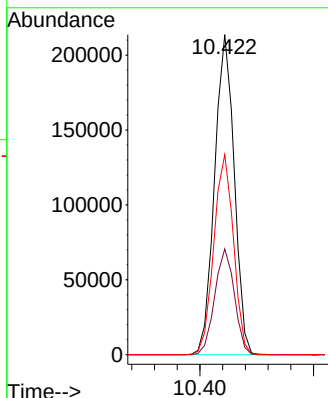
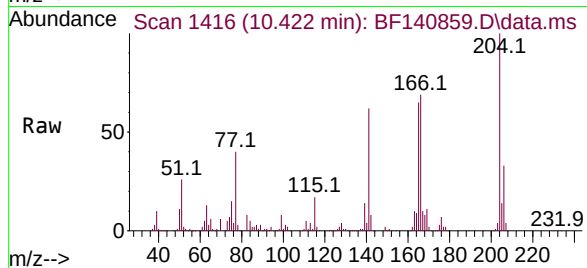




#61
4-Chlorophenyl-phenylether
Concen: 39.062 ng
RT: 10.422 min Scan# 1416
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

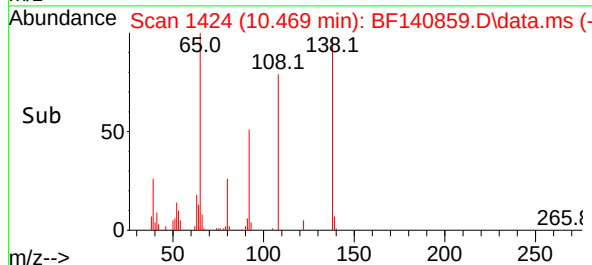
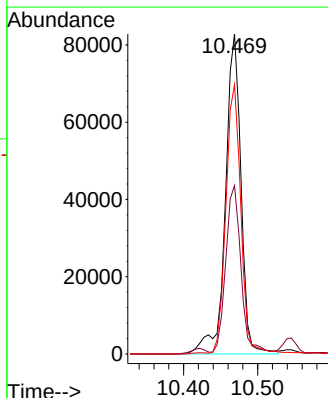
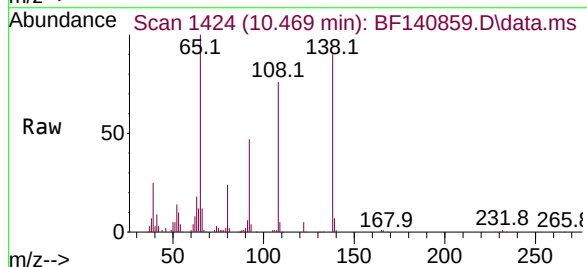
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

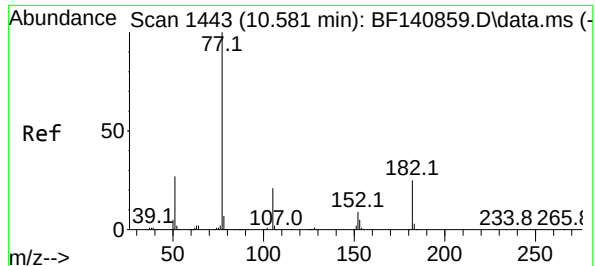
Tgt Ion:204 Resp: 256836
Ion Ratio Lower Upper
204 100
206 33.1 26.5 39.7
141 62.5 50.0 75.0



#62
4-Nitroaniline
Concen: 40.423 ng
RT: 10.469 min Scan# 1424
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

Tgt Ion:138 Resp: 121143
Ion Ratio Lower Upper
138 100
92 52.6 32.6 72.6
108 84.1 64.1 104.1

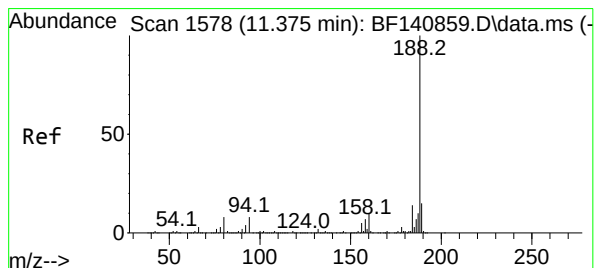
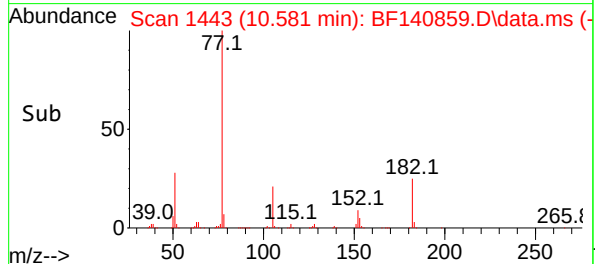
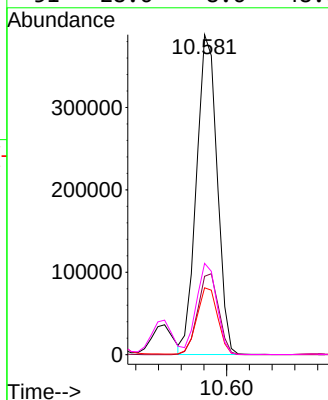
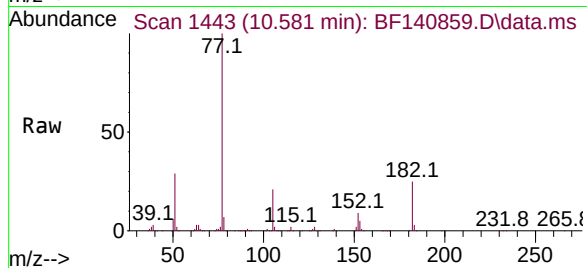




#63
Azobenzene
Concen: 39.821 ng
RT: 10.581 min Scan# 1443
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

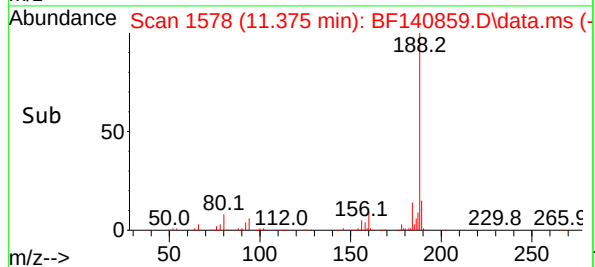
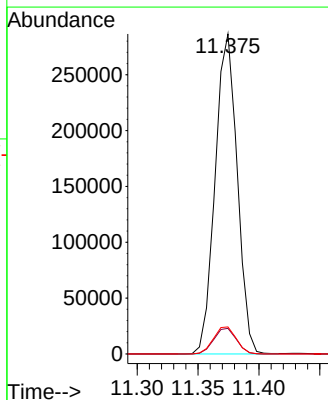
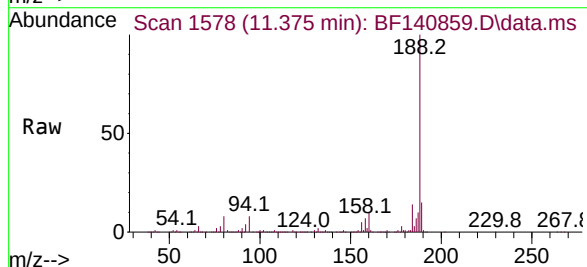
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

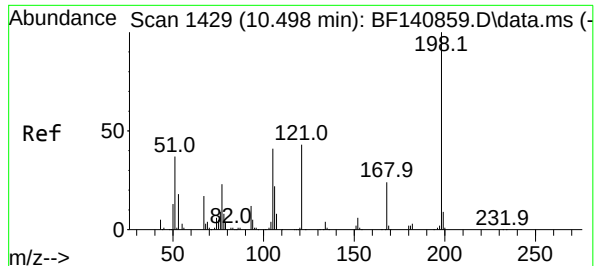
Tgt Ion	Ratio	Lower	Upper
77	100		
182	24.5	4.5	44.5
105	20.9	0.9	40.9
51	28.6	8.6	48.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.375 min Scan# 1578
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.0	6.4	9.6
80	8.5	6.8	10.2

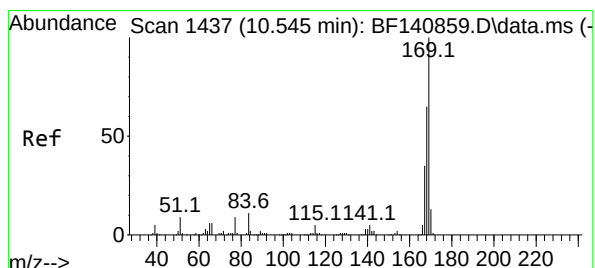
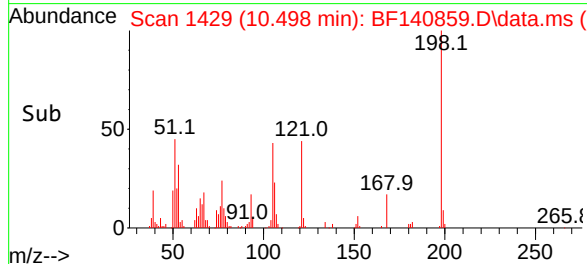
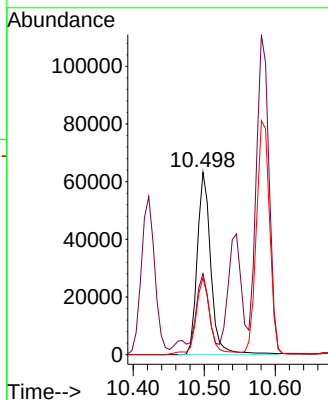
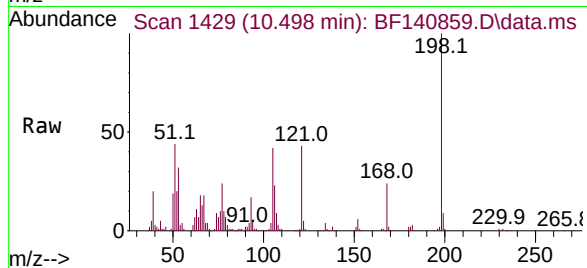




#65
4,6-Dinitro-2-methylphenol
Concen: 41.148 ng
RT: 10.498 min Scan# 1429
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

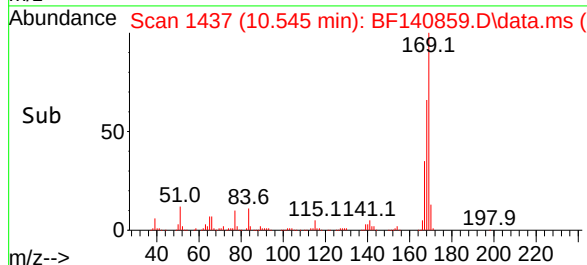
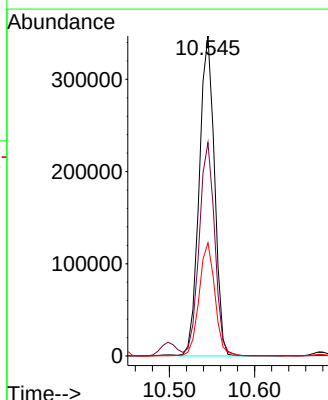
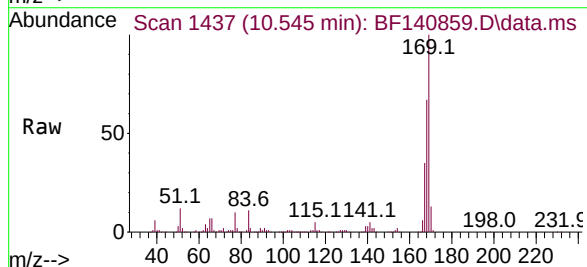
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

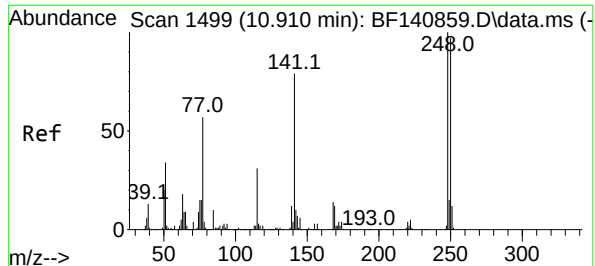
Tgt Ion	Ratio	Lower	Upper
198	100		
51	44.4	24.4	64.4
105	42.1	22.1	62.1



#66
n-Nitrosodiphenylamine
Concen: 38.947 ng
RT: 10.545 min Scan# 1437
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

Tgt Ion	Ratio	Lower	Upper
169	100		
168	66.7	53.4	80.0
167	35.4	28.3	42.5

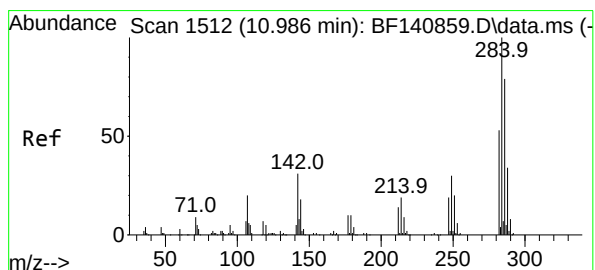
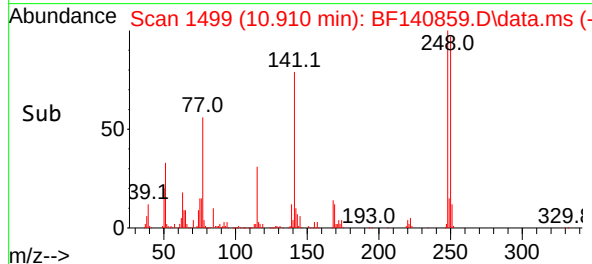
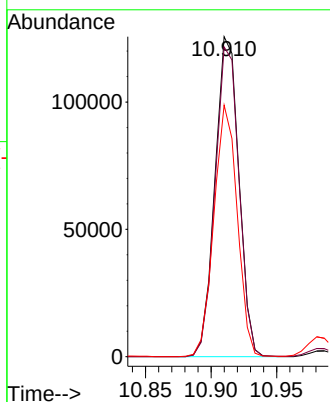
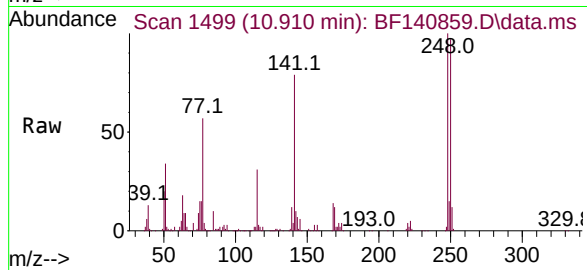




#67
4-Bromophenyl-phenylether
Concen: 39.307 ng
RT: 10.910 min Scan# 1499
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

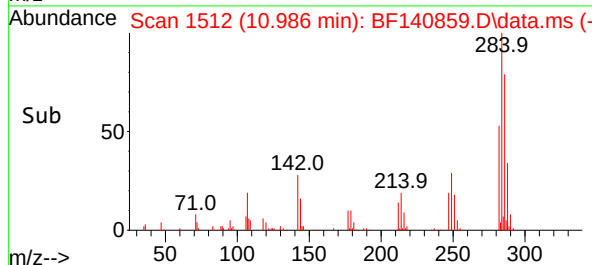
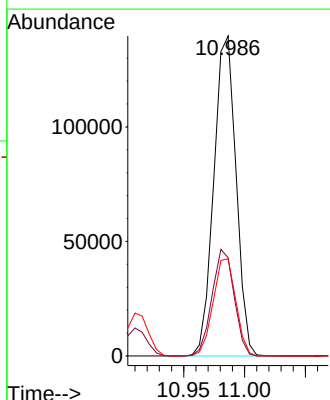
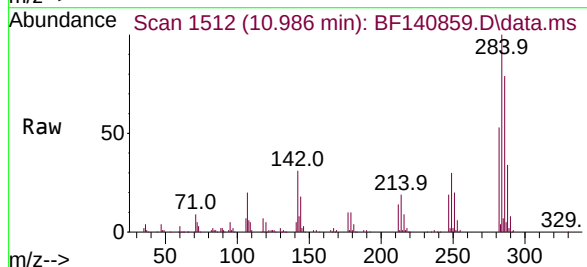
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

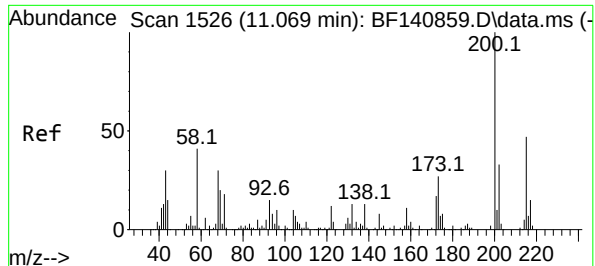
Tgt Ion:248 Resp: 159117
Ion Ratio Lower Upper
248 100
250 96.8 77.4 116.2
141 78.6 62.9 94.3



#68
Hexachlorobenzene
Concen: 38.742 ng
RT: 10.986 min Scan# 1512
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

Tgt Ion:284 Resp: 177811
Ion Ratio Lower Upper
284 100
142 30.7 24.6 36.8
249 30.4 24.3 36.5

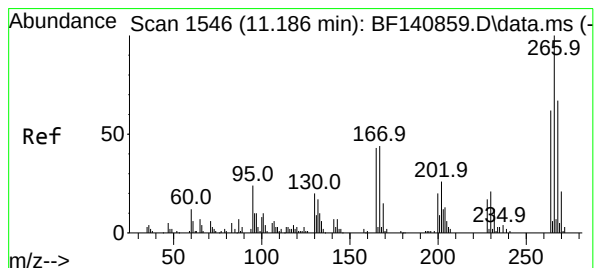
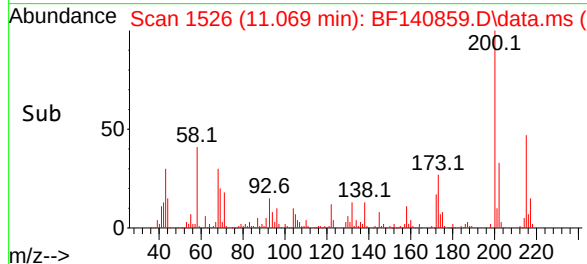
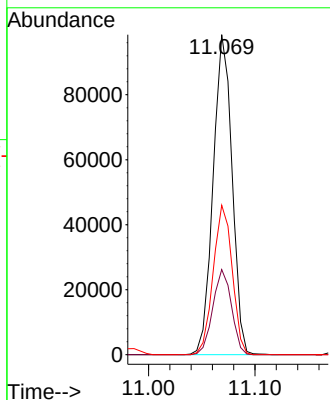
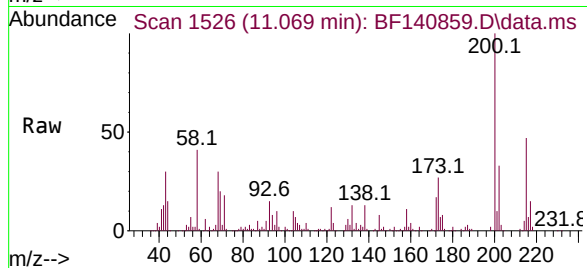




#69
Atrazine
Concen: 39.101 ng
RT: 11.069 min Scan# 1526
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

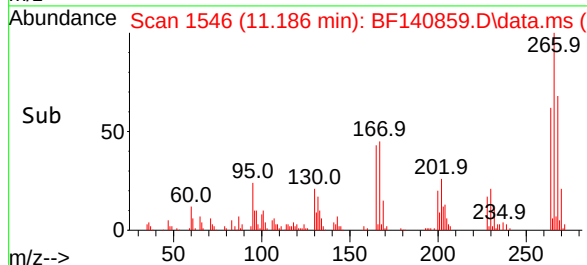
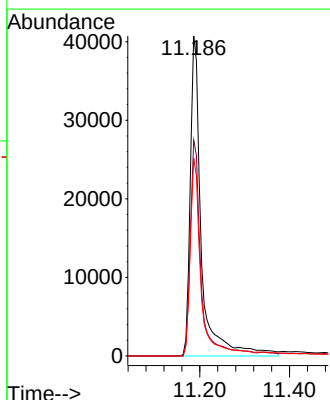
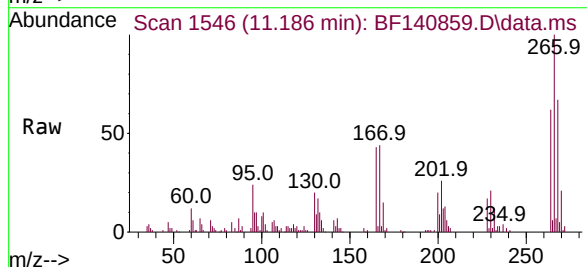
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

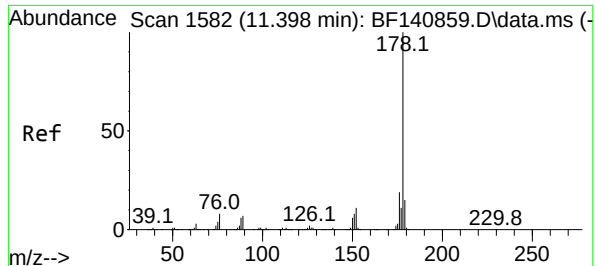
Tgt Ion:200 Resp: 121493
Ion Ratio Lower Upper
200 100
173 26.6 6.6 46.6
215 46.7 26.7 66.7



#70
Pentachlorophenol
Concen: 42.072 ng
RT: 11.186 min Scan# 1546
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

Tgt Ion:266 Resp: 70638
Ion Ratio Lower Upper
266 100
268 67.5 54.0 81.0
264 61.8 49.4 74.2

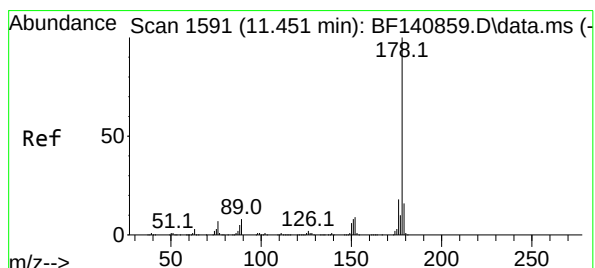
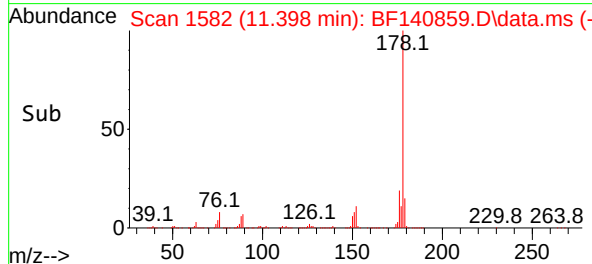
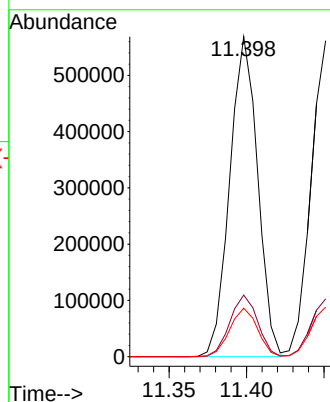
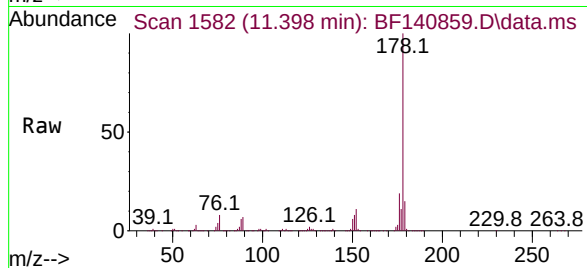




#71
Phenanthrene
Concen: 38.248 ng
RT: 11.398 min Scan# 1582
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

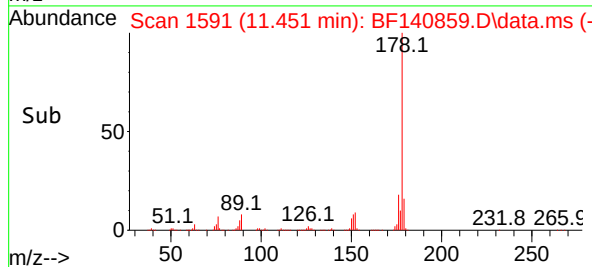
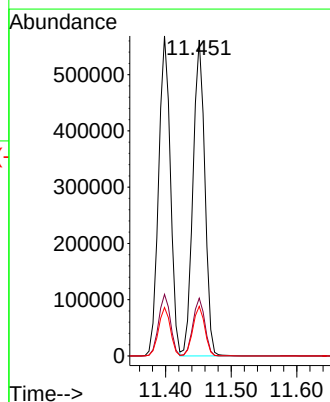
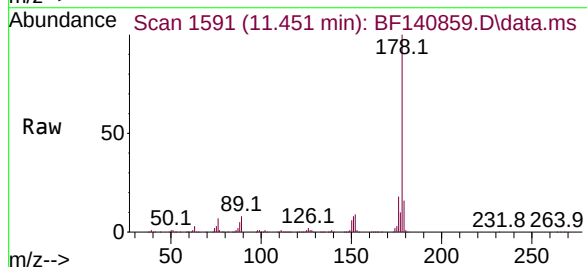
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

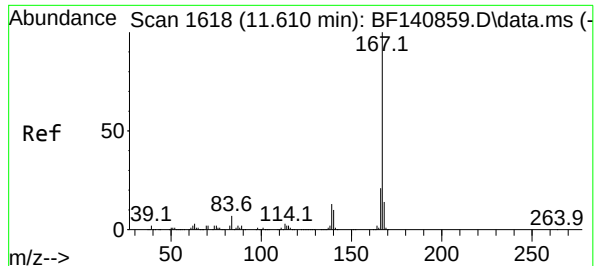
Tgt Ion:178 Resp: 711714
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.2
179 15.1 12.1 18.1



#72
Anthracene
Concen: 38.326 ng
RT: 11.451 min Scan# 1591
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

Tgt Ion:178 Resp: 702321
Ion Ratio Lower Upper
178 100
176 18.3 14.6 22.0
179 15.7 12.6 18.8

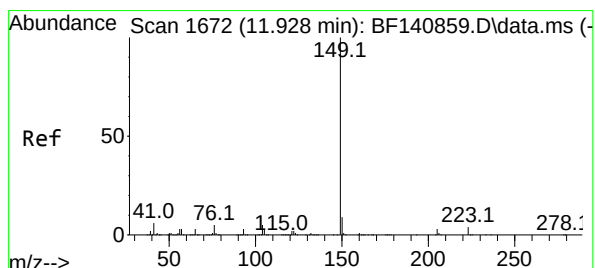
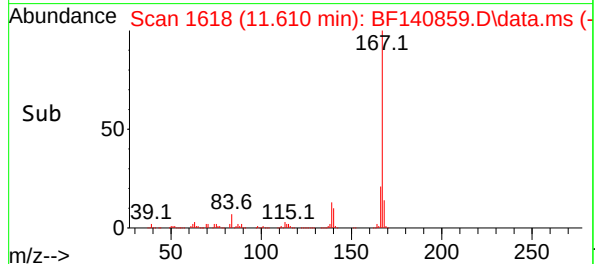
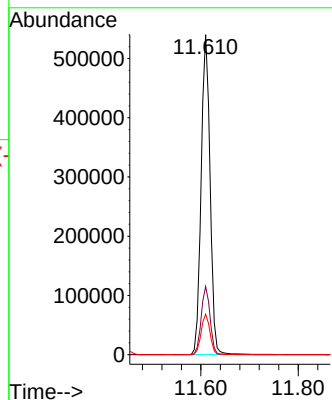
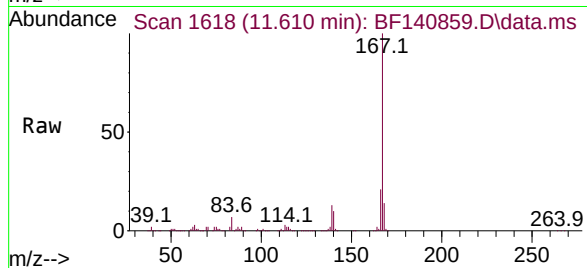




#73
Carbazole
Concen: 38.392 ng
RT: 11.610 min Scan# 1618
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

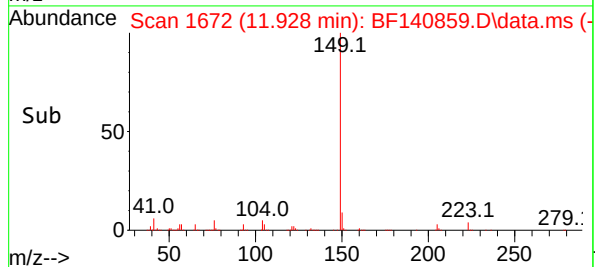
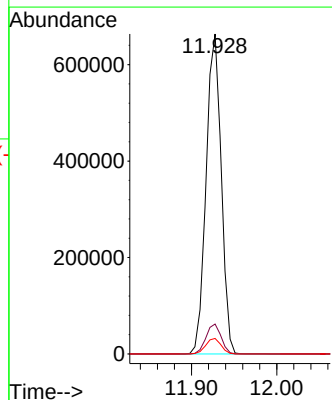
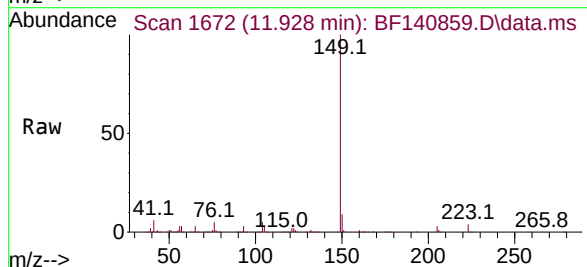
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

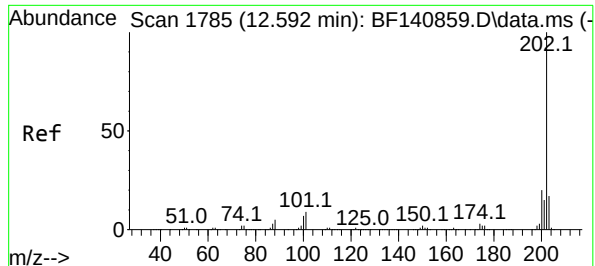
Tgt Ion:167 Resp: 689096
Ion Ratio Lower Upper
167 100
166 21.3 17.0 25.6
139 12.7 10.2 15.2



#74
Di-n-butylphthalate
Concen: 38.782 ng
RT: 11.928 min Scan# 1672
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

Tgt Ion:149 Resp: 816942
Ion Ratio Lower Upper
149 100
150 9.4 7.5 11.3
104 4.8 3.8 5.8

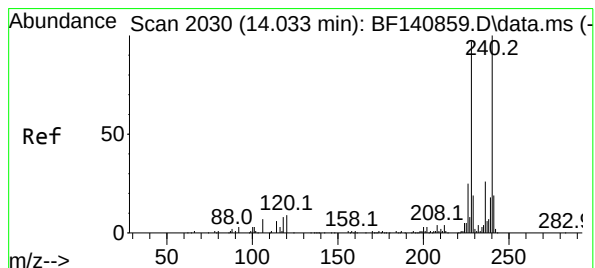
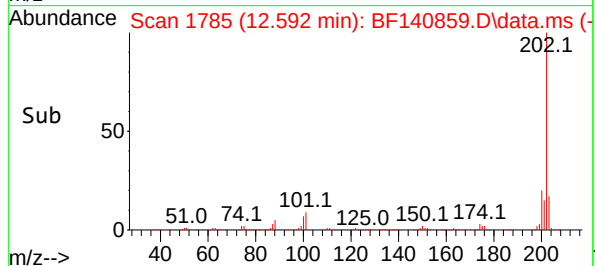
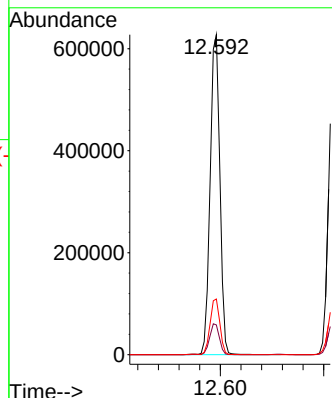
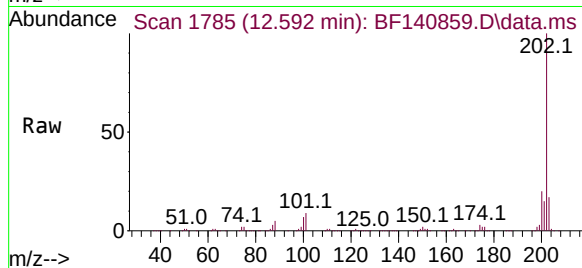




#75
Fluoranthene
Concen: 38.159 ng
RT: 12.592 min Scan# 1785
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

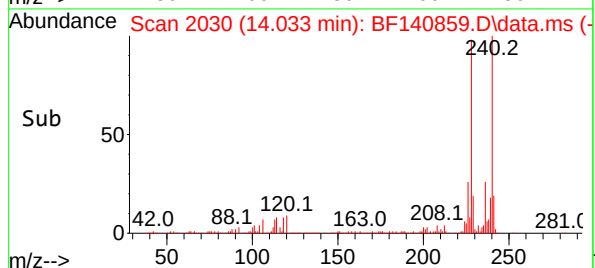
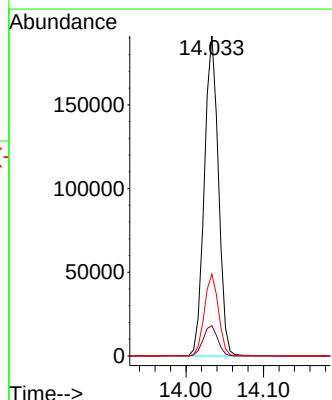
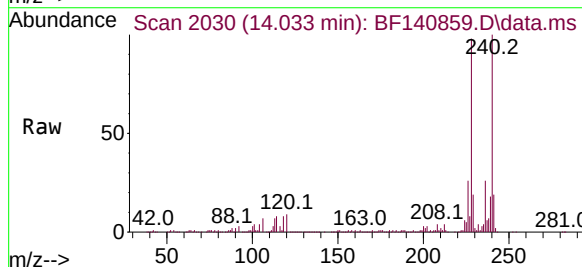
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

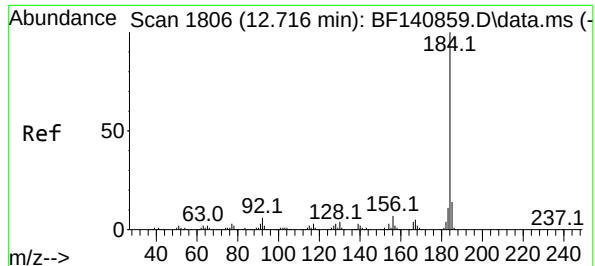
Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.3	0.0	29.3
203	17.4	0.0	37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.5	7.6	11.4
236	25.6	20.5	30.7





#77

Benzidine

Concen: 39.598 ng

RT: 12.716 min Scan# 1806

Delta R.T. -0.000 min

Lab File: BF140859.D

Acq: 16 Dec 2024 14:26

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

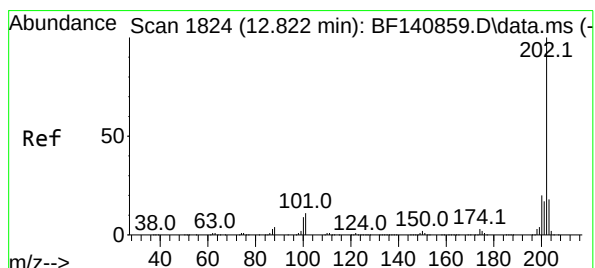
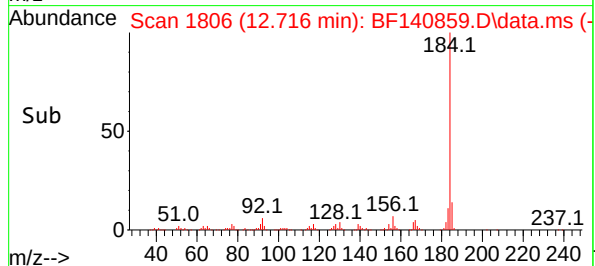
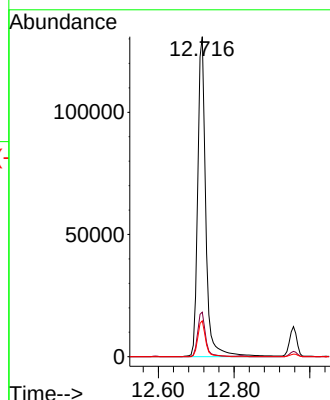
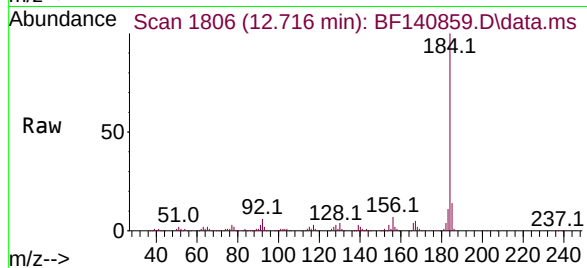
Tgt Ion:184 Resp: 194791

Ion Ratio Lower Upper

184 100

185 13.9 11.1 16.7

183 11.2 9.0 13.4



#78

Pyrene

Concen: 38.208 ng

RT: 12.822 min Scan# 1824

Delta R.T. 0.000 min

Lab File: BF140859.D

Acq: 16 Dec 2024 14:26

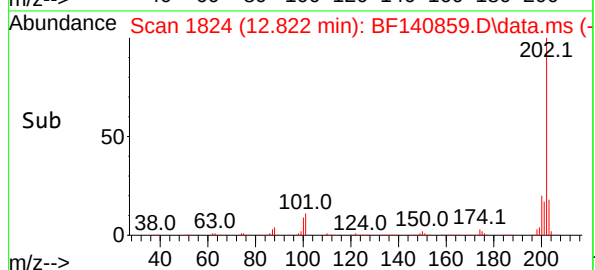
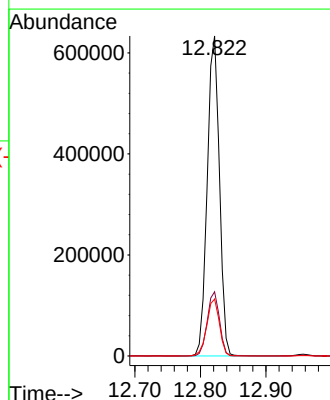
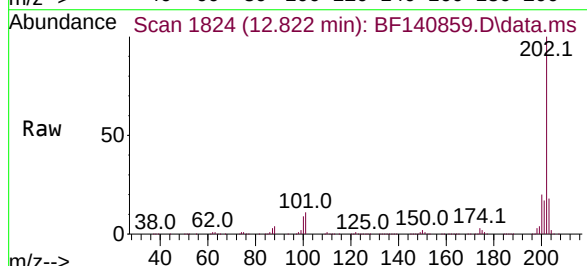
Tgt Ion:202 Resp: 818937

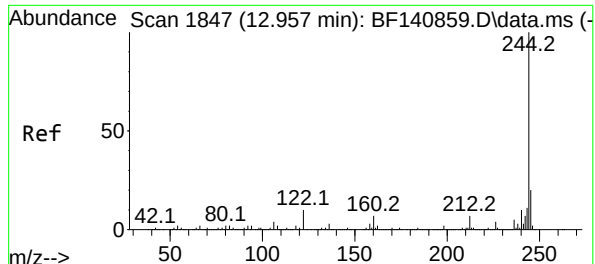
Ion Ratio Lower Upper

202 100

200 20.1 16.1 24.1

203 17.8 14.2 21.4





#79

Terphenyl-d14

Concen: 76.093 ng

RT: 12.957 min Scan# 1847

Delta R.T. 0.000 min

Lab File: BF140859.D

Acq: 16 Dec 2024 14:26

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

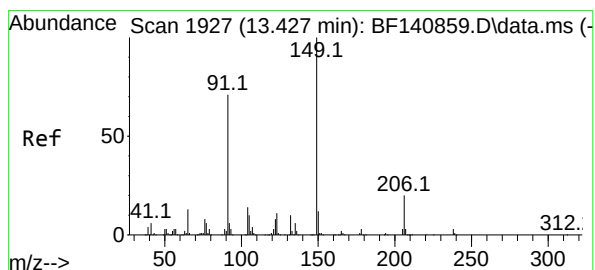
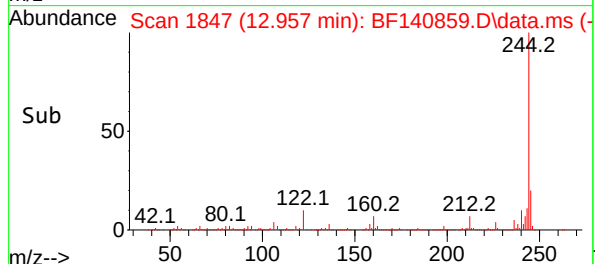
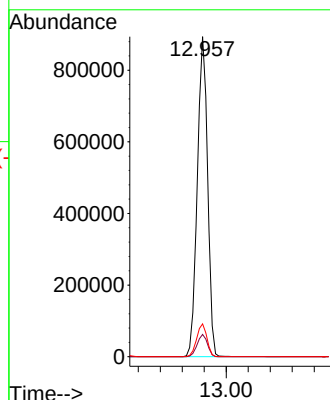
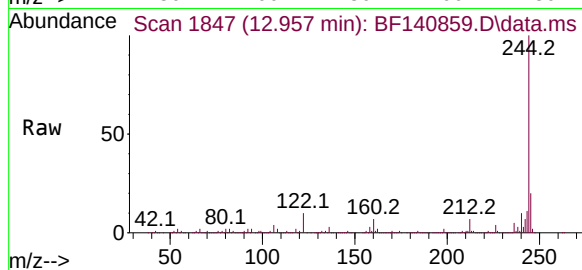
Tgt Ion:244 Resp: 1163098

Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

122 10.2 8.2 12.2



#80

Butylbenzylphthalate

Concen: 39.493 ng

RT: 13.427 min Scan# 1927

Delta R.T. 0.000 min

Lab File: BF140859.D

Acq: 16 Dec 2024 14:26

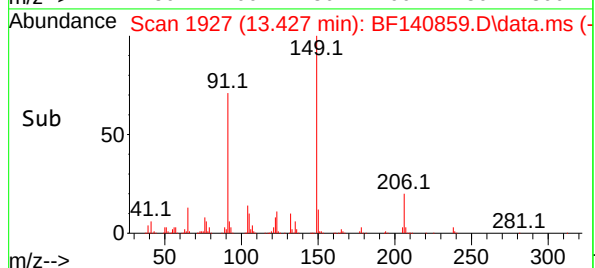
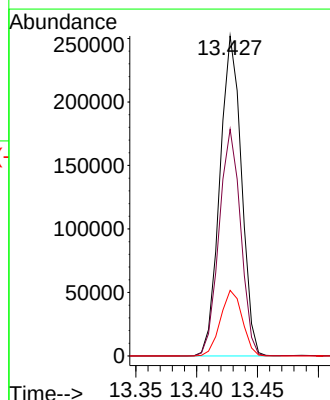
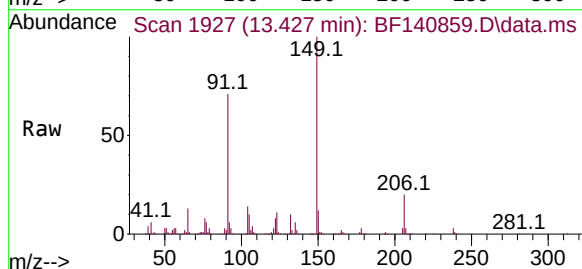
Tgt Ion:149 Resp: 311465

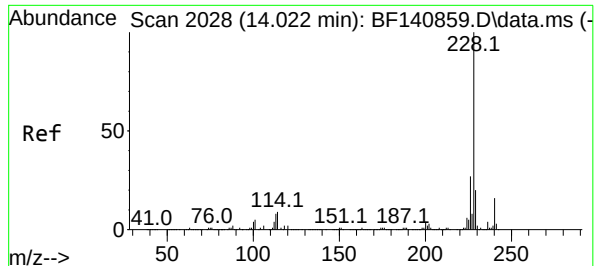
Ion Ratio Lower Upper

149 100

91 70.9 56.7 85.1

206 20.5 16.4 24.6

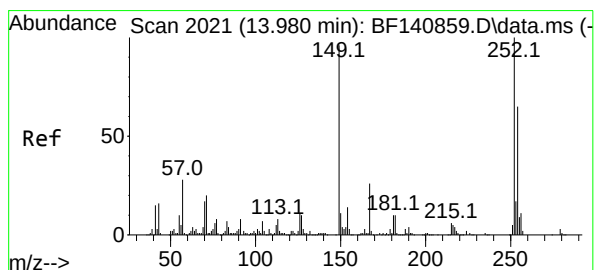
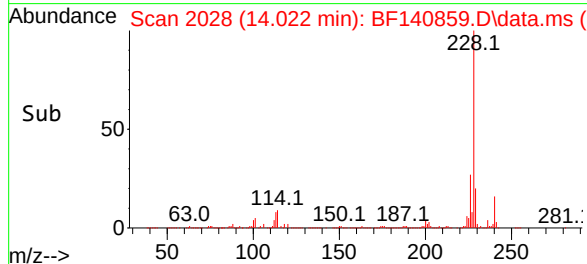
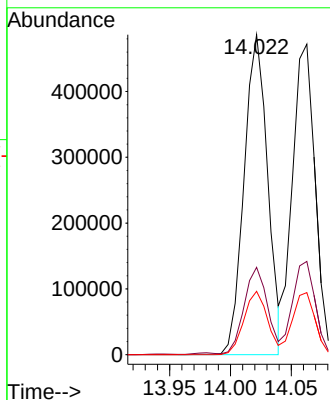
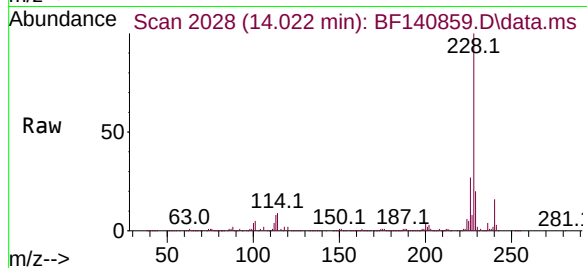




#81
Benzo(a)anthracene
Concen: 38.340 ng
RT: 14.022 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

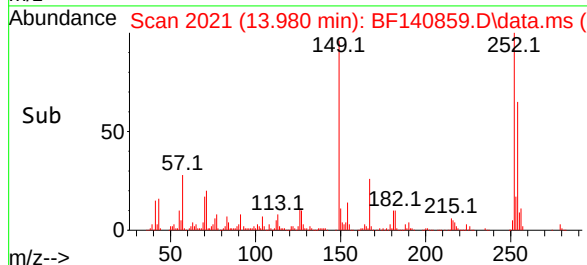
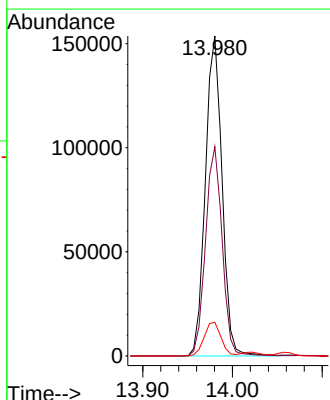
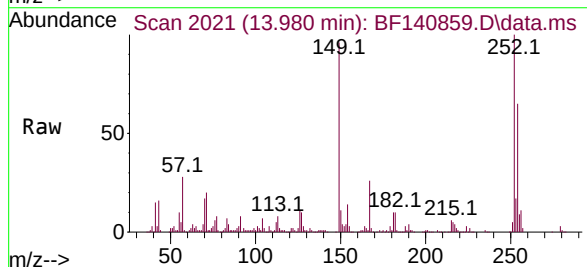
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

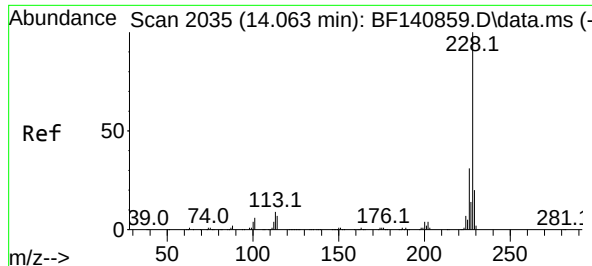
Tgt Ion:228 Resp: 654937
Ion Ratio Lower Upper
228 100
226 27.3 21.8 32.8
229 19.8 15.8 23.8



#82
3,3'-Dichlorobenzidine
Concen: 38.511 ng
RT: 13.980 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

Tgt Ion:252 Resp: 198481
Ion Ratio Lower Upper
252 100
254 65.4 52.3 78.5
126 10.5 8.4 12.6

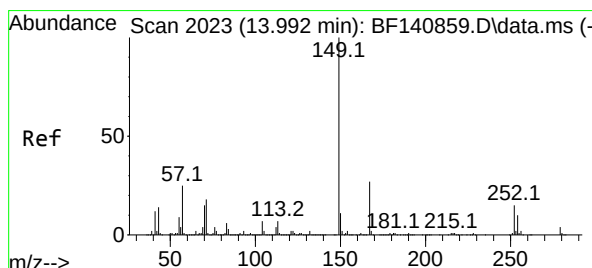
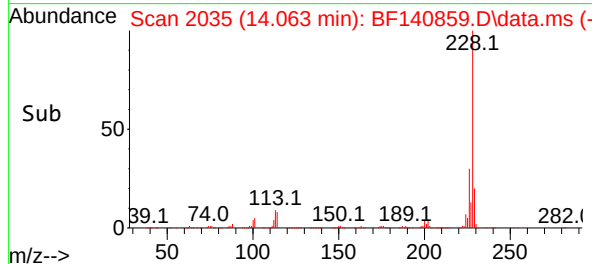
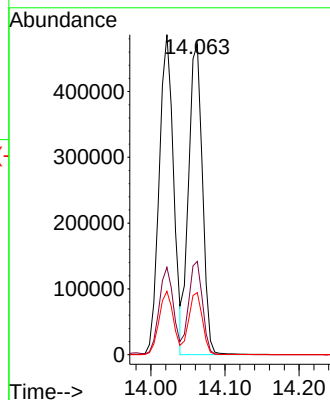
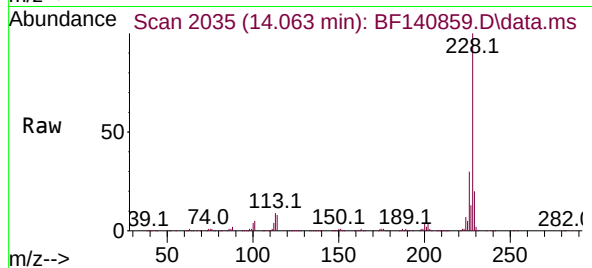




#83
Chrysene
Concen: 39.430 ng
RT: 14.063 min Scan# 2035
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

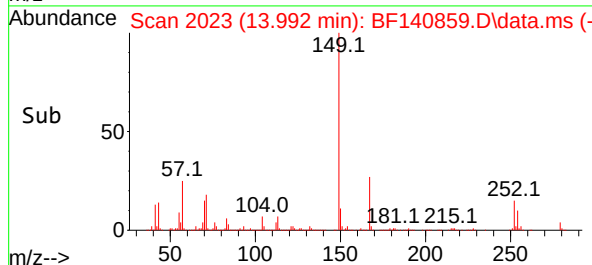
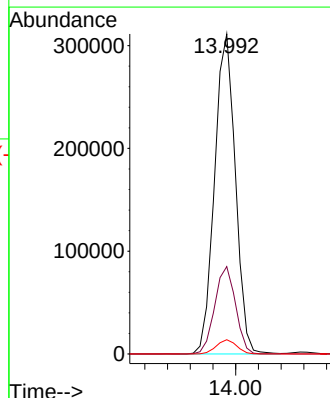
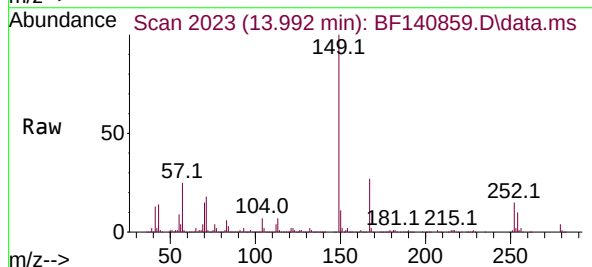
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

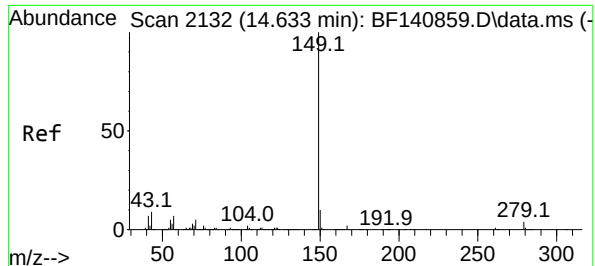
Tgt Ion:228 Resp: 612484
Ion Ratio Lower Upper
228 100
226 30.1 24.1 36.1
229 20.0 16.0 24.0



#84
Bis(2-ethylhexyl)phthalate
Concen: 38.939 ng
RT: 13.992 min Scan# 2023
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

Tgt Ion:149 Resp: 395970
Ion Ratio Lower Upper
149 100
167 27.3 21.8 32.8
279 4.4 3.5 5.3

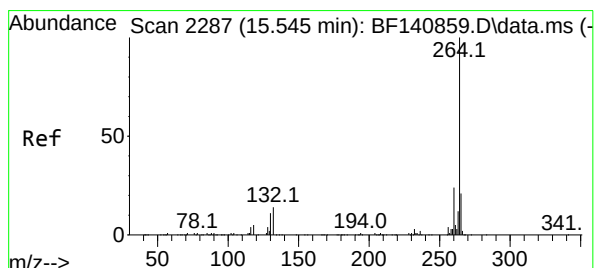
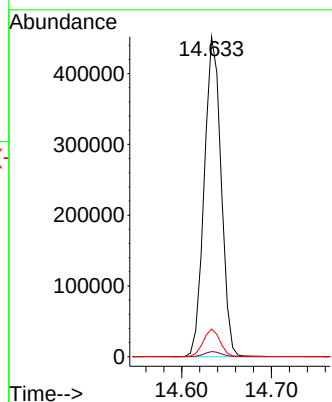
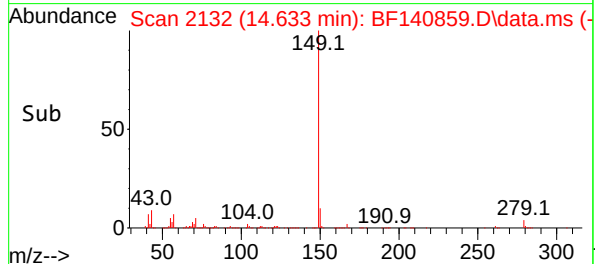
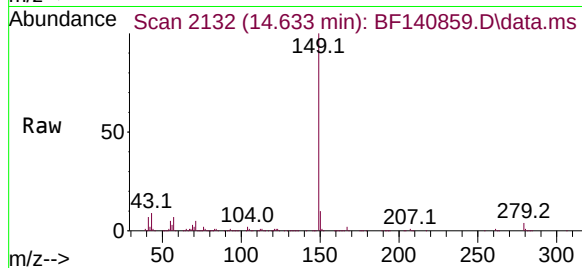




#85
Di-n-octyl phthalate
Concen: 38.326 ng
RT: 14.633 min Scan# 2132
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

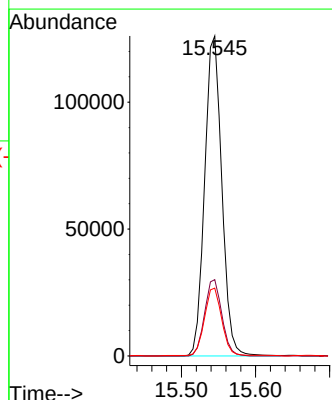
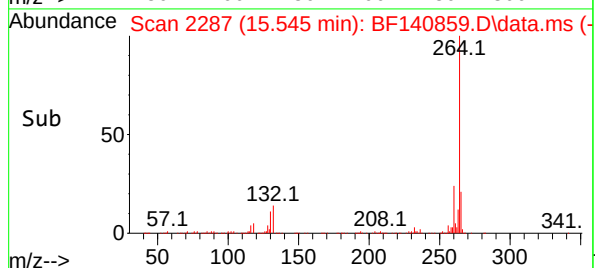
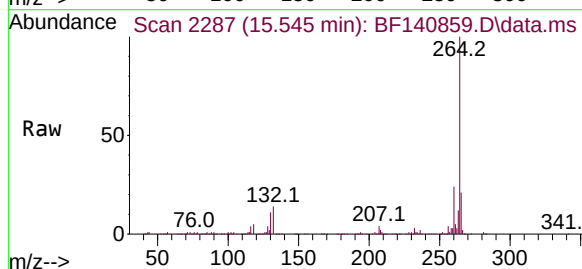
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

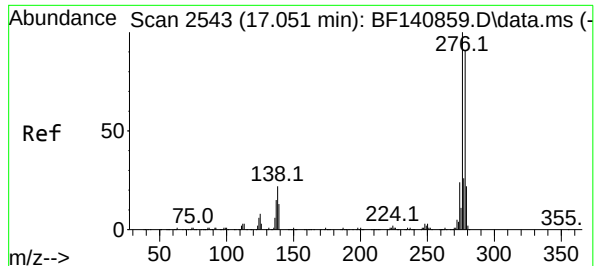
Tgt Ion:149 Resp: 589634
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 8.8 7.0 10.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2287
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

Tgt Ion:264 Resp: 202727
Ion Ratio Lower Upper
264 100
260 23.9 19.1 28.7
265 21.2 17.0 25.4

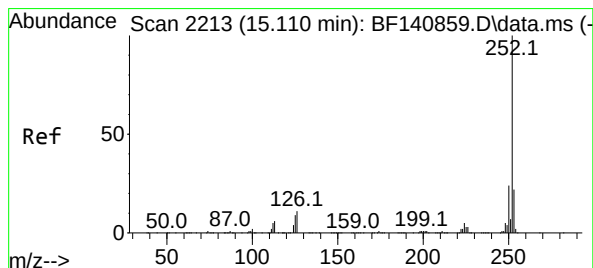
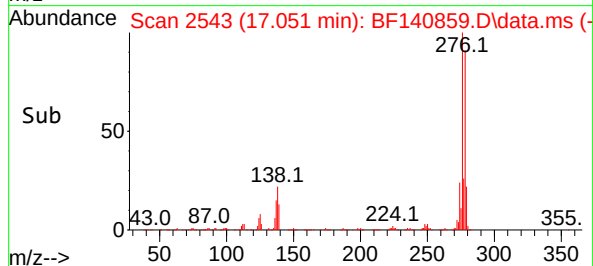
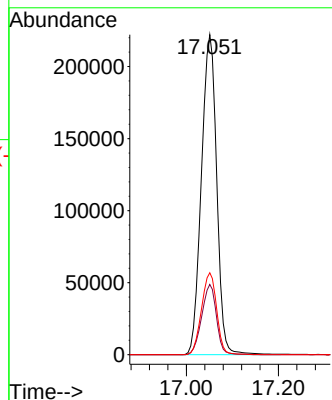
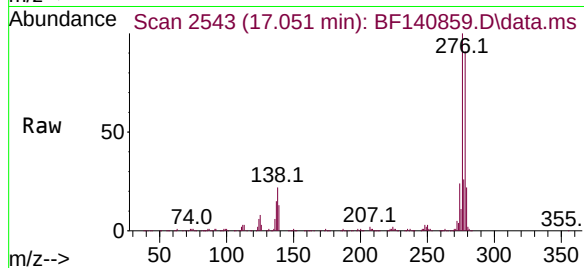




#87
Indeno(1,2,3-cd)pyrene
Concen: 40.662 ng
RT: 17.051 min Scan# 2148
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

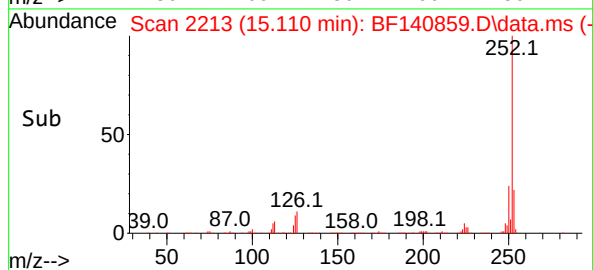
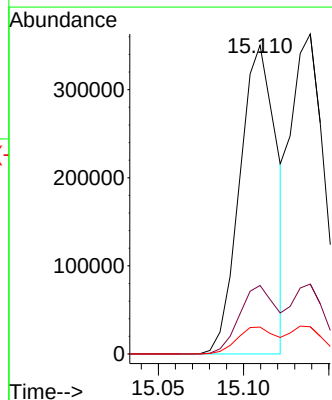
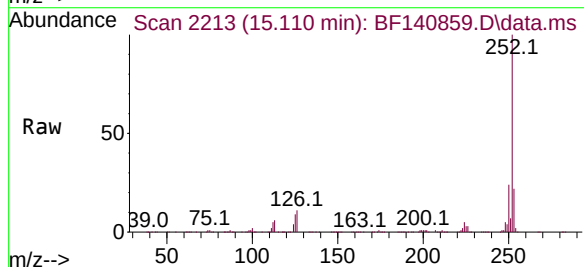
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

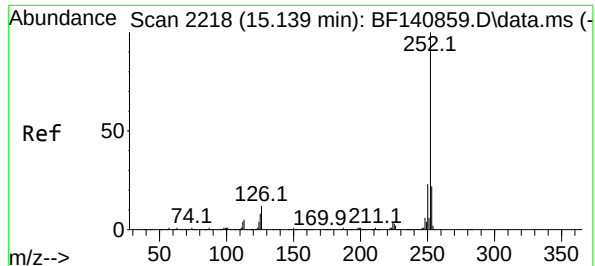
Tgt Ion:276 Resp: 514416
Ion Ratio Lower Upper
276 100
138 21.1 16.9 25.3
277 25.3 20.2 30.4



#88
Benzo(b)fluoranthene
Concen: 37.283 ng
RT: 15.110 min Scan# 2213
Delta R.T. 0.000 min
Lab File: BF140859.D
Acq: 16 Dec 2024 14:26

Tgt Ion:252 Resp: 524660
Ion Ratio Lower Upper
252 100
253 22.2 17.8 26.6
125 8.7 7.0 10.4





#89

Benzo(k)fluoranthene

Concen: 41.115 ng

RT: 15.139 min Scan# 2218

Delta R.T. 0.000 min

Lab File: BF140859.D

Acq: 16 Dec 2024 14:26

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

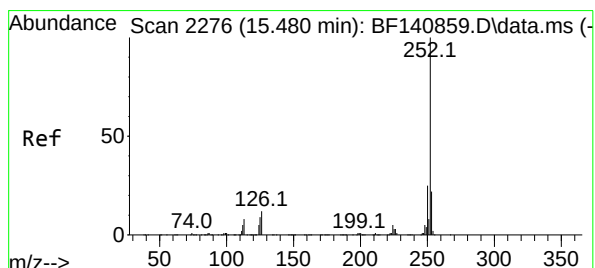
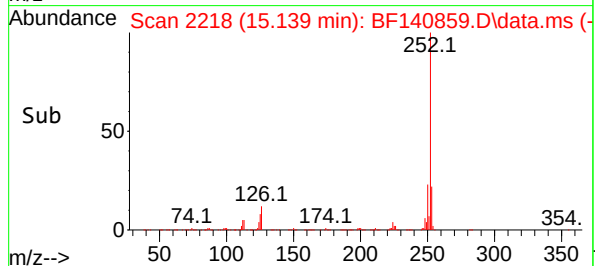
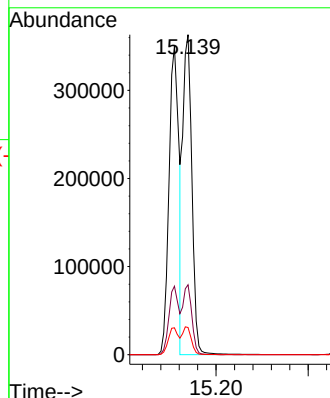
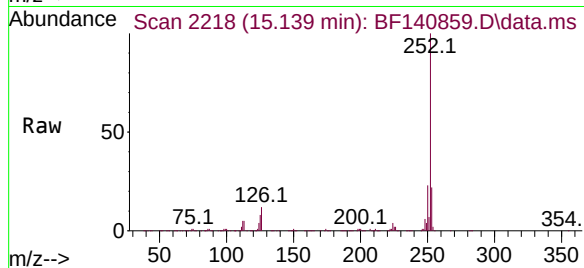
Tgt Ion:252 Resp: 496310

Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

125 8.5 6.8 10.2



#90

Benzo(a)pyrene

Concen: 39.478 ng

RT: 15.480 min Scan# 2276

Delta R.T. 0.000 min

Lab File: BF140859.D

Acq: 16 Dec 2024 14:26

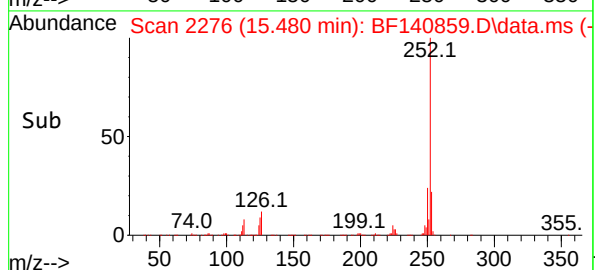
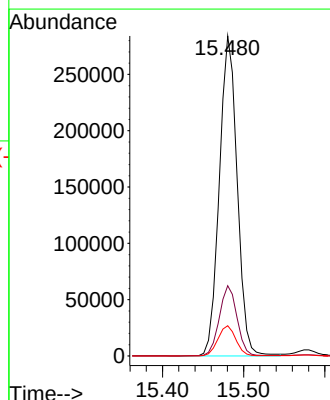
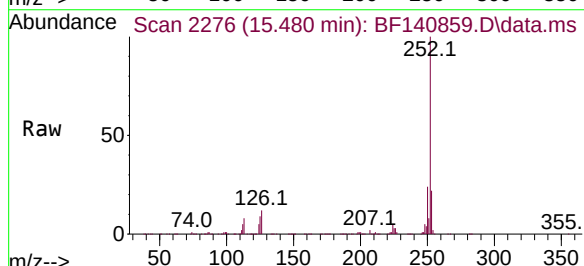
Tgt Ion:252 Resp: 435015

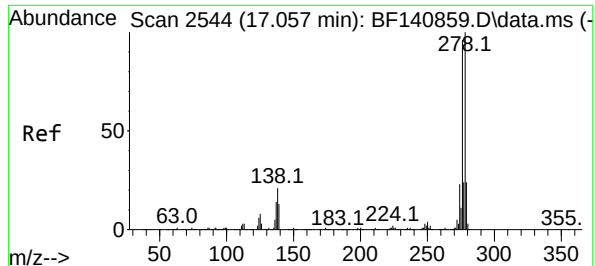
Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

125 9.4 7.5 11.3





#91

Dibenzo(a,h)anthracene

Concen: 40.931 ng

RT: 17.057 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF140859.D

Acq: 16 Dec 2024 14:26

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

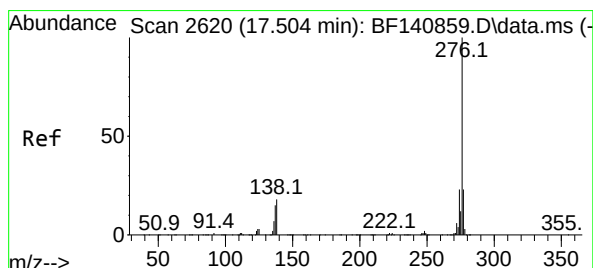
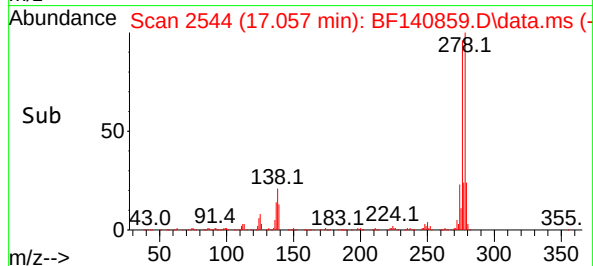
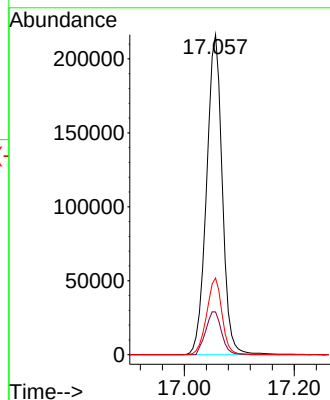
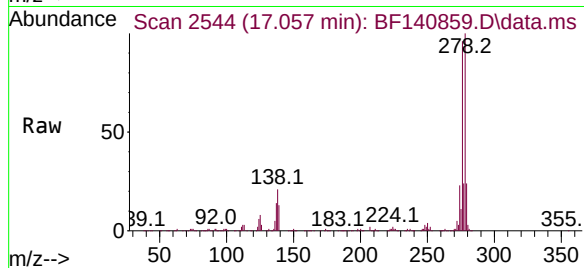
Tgt Ion:278 Resp: 428983

Ion Ratio Lower Upper

278 100

139 13.3 10.6 16.0

279 24.0 19.2 28.8



#92

Benzo(g,h,i)perylene

Concen: 40.771 ng

RT: 17.504 min Scan# 2620

Delta R.T. 0.000 min

Lab File: BF140859.D

Acq: 16 Dec 2024 14:26

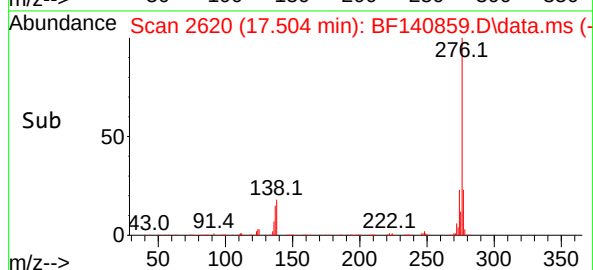
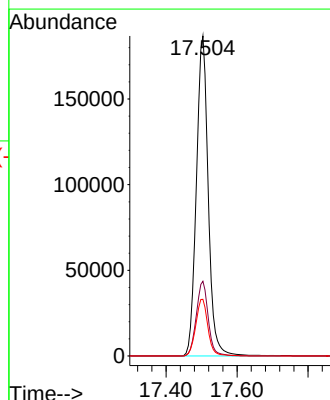
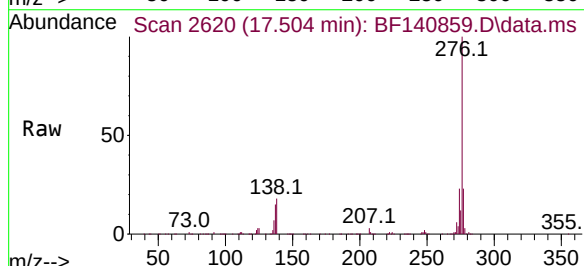
Tgt Ion:276 Resp: 434898

Ion Ratio Lower Upper

276 100

277 23.4 18.7 28.1

138 17.7 14.2 21.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
 Data File : BF140860.D
 Acq On : 16 Dec 2024 15:23
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050

Quant Time: Dec 16 16:50:14 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 16 16:38:27 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	76886	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	285955	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	172713	20.000	ng	0.00
64) Phenanthrene-d10	11.374	188	351718	20.000	ng	0.00
76) Chrysene-d12	14.033	240	231973	20.000	ng	0.00
86) Perylene-d12	15.527	264	225570	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	473230	101.322	ng	0.00
7) Phenol-d6	6.498	99	605803	97.928	ng	0.00
23) Nitrobenzene-d5	7.422	82	568078	99.392	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	202693	99.228	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	1161315	92.444	ng	0.00
79) Terphenyl-d14	12.957	244	1405567	95.545	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.622	88	100045	49.730	ng	100
3) Pyridine	3.399	79	234673	50.370	ng	98
4) n-Nitrosodimethylamine	3.363	42	119432	50.851	ng	99
6) Aniline	6.522	93	262131	49.559	ng	90
8) 2-Chlorophenol	6.645	128	252311	49.538	ng	98
9) Benzaldehyde	6.410	77	158111	46.127	ng	99
10) Phenol	6.516	94	315876	49.267	ng	96
11) bis(2-Chloroethyl)ether	6.587	93	237699	49.712	ng	98
12) 1,3-Dichlorobenzene	6.792	146	287366	49.515	ng	98
13) 1,4-Dichlorobenzene	6.869	146	287394	48.784	ng	99
14) 1,2-Dichlorobenzene	7.022	146	269678	48.518	ng	98
15) Benzyl Alcohol	6.998	79	219795	49.692	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.122	45	276410	49.072	ng	94
17) 2-Methylphenol	7.116	107	199766	49.127	ng	99
18) Hexachloroethane	7.357	117	107131	48.849	ng	99
19) n-Nitroso-di-n-propyla...	7.269	70	180295	48.587	ng	99
20) 3+4-Methylphenols	7.269	107	261470	48.491	ng	94
22) Acetophenone	7.263	105	354645	49.578	ng	99
24) Nitrobenzene	7.439	77	291463	49.777	ng	99
25) Isophorone	7.675	82	474812	49.580	ng	99
26) 2-Nitrophenol	7.751	139	136187	50.500	ng	98
27) 2,4-Dimethylphenol	7.792	122	156314	49.632	ng	97
28) bis(2-Chloroethoxy)met...	7.881	93	299078	50.002	ng	99
29) 2,4-Dichlorophenol	7.998	162	215069	49.463	ng	98
30) 1,2,4-Trichlorobenzene	8.069	180	244191	48.990	ng	98
31) Naphthalene	8.151	128	779270	49.610	ng	100
32) Benzoic acid	7.951	122	157548	52.746	ng	100
33) 4-Chloroaniline	8.210	127	255688	49.011	ng	99
34) Hexachlorobutadiene	8.263	225	166884	49.763	ng	99
35) Caprolactam	8.592	113	63631	49.156	ng	97
36) 4-Chloro-3-methylphenol	8.698	107	237414	48.512	ng	98
37) 2-Methylnaphthalene	8.839	142	500202	48.139	ng	100
38) 1-Methylnaphthalene	8.939	142	490420	47.724	ng	100
40) 1,2,4,5-Tetrachloroben...	9.010	216	248636	46.837	ng	99
41) Hexachlorocyclopentadiene	8.992	237	70543	50.029	ng	99
43) 2,4,6-Trichlorophenol	9.128	196	154361	47.487	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
 Data File : BF140860.D
 Acq On : 16 Dec 2024 15:23
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050

Quant Time: Dec 16 16:50:14 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 16 16:38:27 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.181	196	170411	47.697	ng	99
46) 1,1'-Biphenyl	9.304	154	631768	46.001	ng	99
47) 2-Chloronaphthalene	9.333	162	485339	46.194	ng	98
48) 2-Nitroaniline	9.439	65	147104	46.359	ng	96
49) Acenaphthylene	9.745	152	732431	47.437	ng	100
50) Dimethylphthalate	9.610	163	564903	46.392	ng	99
51) 2,6-Dinitrotoluene	9.680	165	130941	47.039	ng	97
52) Acenaphthene	9.922	154	475150	48.175	ng	100
53) 3-Nitroaniline	9.851	138	140148	50.732	ng	99
54) 2,4-Dinitrophenol	9.969	184	62738	48.955	ng	99
55) Dibenzofuran	10.092	168	736252	48.174	ng	100
56) 4-Nitrophenol	10.033	139	72965	50.818	ng	96
57) 2,4-Dinitrotoluene	10.086	165	181952	49.679	ng	99
58) Fluorene	10.433	166	617054	48.940	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.216	232	153671	52.784	ng	100
60) Diethylphthalate	10.304	149	624564	49.463	ng	99
61) 4-Chlorophenyl-phenyle...	10.422	204	313978	49.574	ng	99
62) 4-Nitroaniline	10.469	138	148255	51.356	ng	99
63) Azobenzene	10.586	77	586556	49.412	ng	99
65) 4,6-Dinitro-2-methylph...	10.504	198	103510	51.936	ng	98
66) n-Nitrosodiphenylamine	10.545	169	520491	48.132	ng	100
67) 4-Bromophenyl-phenylether	10.916	248	188429	47.888	ng	97
68) Hexachlorobenzene	10.986	284	215259	48.252	ng	99
69) Atrazine	11.075	200	134376	44.493	ng	99
70) Pentachlorophenol	11.192	266	89834	55.046	ng	99
71) Phenanthrene	11.398	178	868333	48.009	ng	99
72) Anthracene	11.451	178	860045	48.285	ng	99
73) Carbazole	11.610	167	854710	48.990	ng	99
74) Di-n-butylphthalate	11.927	149	1041587	50.870	ng	100
75) Fluoranthene	12.592	202	1000374	48.026	ng	99
77) Benzidine	12.716	184	285677	60.340	ng	99
78) Pyrene	12.821	202	1021434	49.516	ng	100
80) Butylbenzylphthalate	13.427	149	389705	51.343	ng	99
81) Benzo(a)anthracene	14.015	228	804868	48.956	ng	100
82) 3,3'-Dichlorobenzidine	13.974	252	250344	50.470	ng	99
83) Chrysene	14.057	228	727490	48.661	ng	100
84) Bis(2-ethylhexyl)phtha...	13.986	149	495633	50.642	ng	100
85) Di-n-octyl phthalate	14.621	149	777794	52.530	ng	100
87) Indeno(1,2,3-cd)pyrene	17.039	276	625642	44.446	ng	99
88) Benzo(b)fluoranthene	15.098	252	712222	45.486	ng	99
89) Benzo(k)fluoranthene	15.127	252	644153	47.959	ng	99
90) Benzo(a)pyrene	15.468	252	595306	48.554	ng	99
91) Dibenzo(a,h)anthracene	17.039	278	517904	44.411	ng	99
92) Benzo(g,h,i)perylene	17.486	276	532268	44.846	ng	99

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

TIC: BF140860.D\data.ms

Abundance

Time-->

1,4-Dioxane

n-Nitroethylaniline

2-Fluorophenol,S

Benzaldehyde

bis(2-chloroethyl)ether

Aniline

Chlorophenol

Phenyl-H,S

1,7-Dibromobenzene,P

1,2-Dichlorobenzene,C

2,2-Dimethylpropane

Hexachlorocyclopentadiene

Nitrobenzene-d5,S

Benzoic acid

2-Nitrotoluene

Caprolactam

4-Chloro-3-methylphenol,C

Hexachlorocyclopentadiene,P

2-Methylphthalate

2,4-Dichlorophenol

2-Nitroaniline

Acetophenone

2,4-Dinitrochlorobenzene

2,3,4,6-Tetrachlorophenylphthalate

2,4-Dinitrophenol

4-Bromobenzene

Airazine

Pentachlorophenol,C

Phenanthrene-d10,I

Carbazole

Di-n-butylphthalate

Fluoranthene,C

Pyrene

Terphenyl-d14,S

Butylbenzylphthalate

Chrysene-d12,I

2,3-Dichlorobenzo(a)anthracenylhexyl phthalate

Di-n-octyl phthalate,c

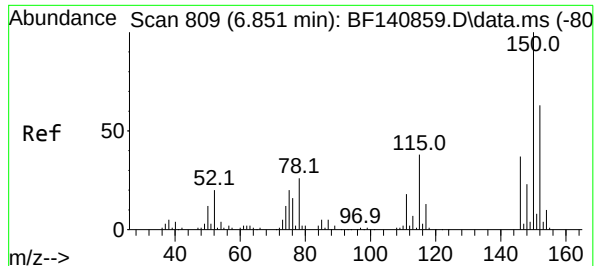
Benzo(a)pyrene

Perylene-d12,I

Benzo(a)pyrene,C

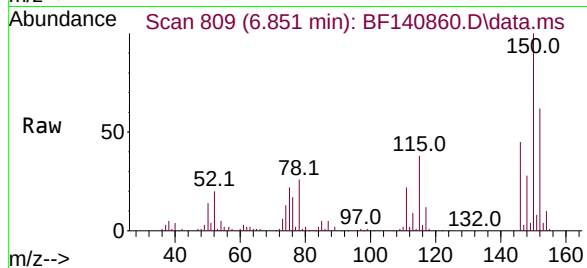
Dibenz(a,h,i)perylene

Benzo(g,h,i)perylene

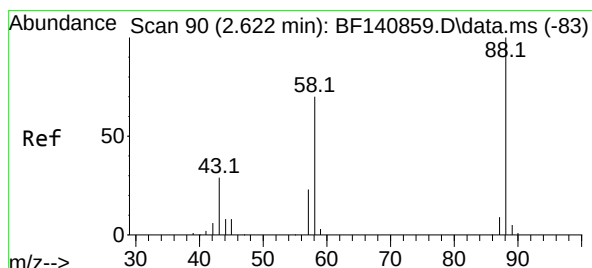
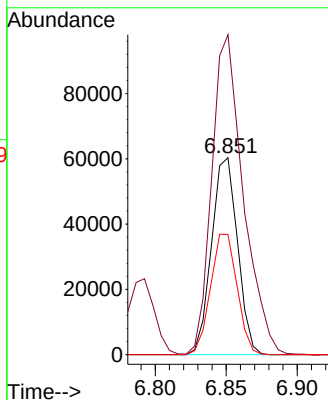
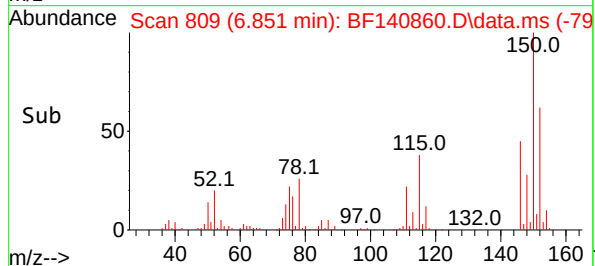


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 809
Delta R.T. 0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

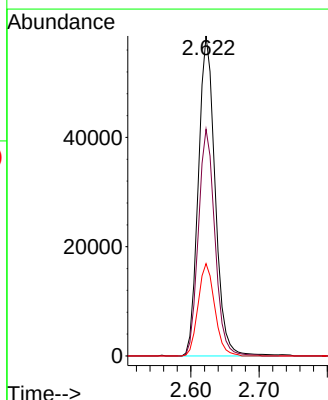
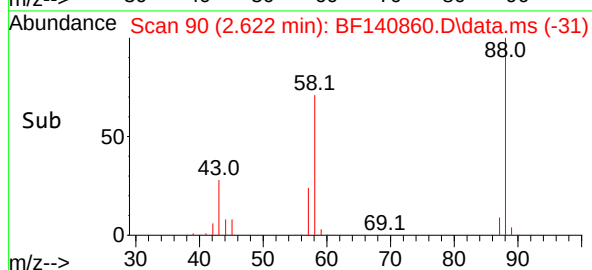
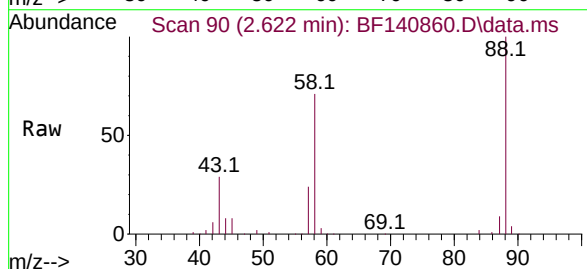


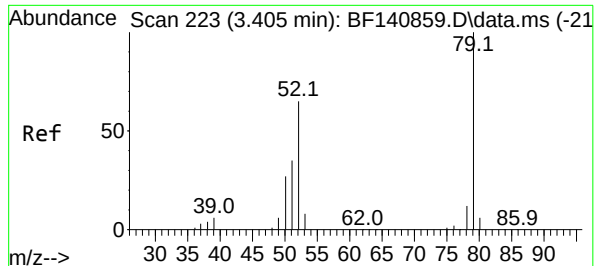
Tgt Ion:152 Resp: 76886
Ion Ratio Lower Upper
152 100
150 162.5 127.9 191.9
115 61.1 48.0 72.0



#2
1,4-Dioxane
Concen: 49.730 ng
RT: 2.622 min Scan# 90
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

Tgt Ion: 88 Resp: 100045
Ion Ratio Lower Upper
88 100
58 69.7 55.8 83.8
43 28.5 22.7 34.1





#3

Pyridine

Concen: 50.370 ng

RT: 3.399 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF140860.D

Acq: 16 Dec 2024 15:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

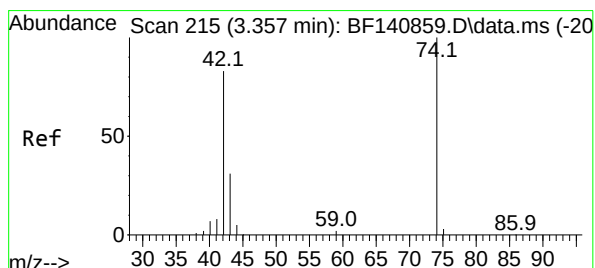
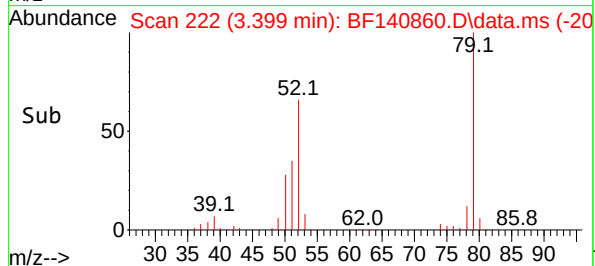
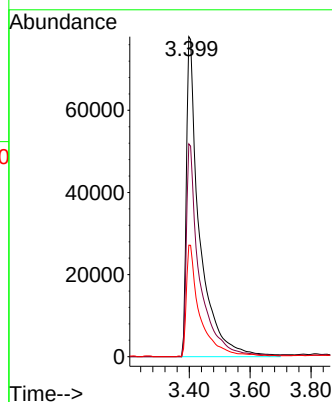
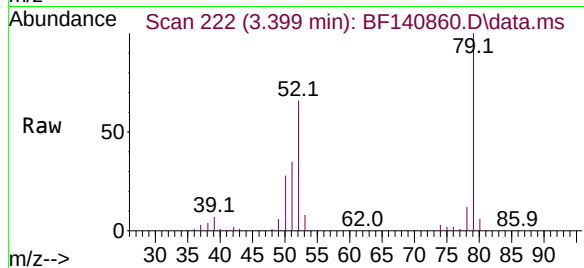
Tgt Ion: 79 Resp: 234673

Ion Ratio Lower Upper

79 100

52 66.5 51.7 77.5

51 34.9 28.2 42.4



#4

n-Nitrosodimethylamine

Concen: 50.851 ng

RT: 3.363 min Scan# 216

Delta R.T. 0.006 min

Lab File: BF140860.D

Acq: 16 Dec 2024 15:23

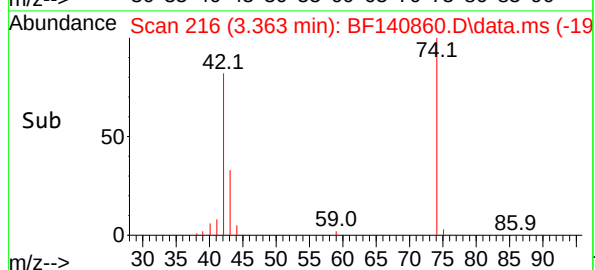
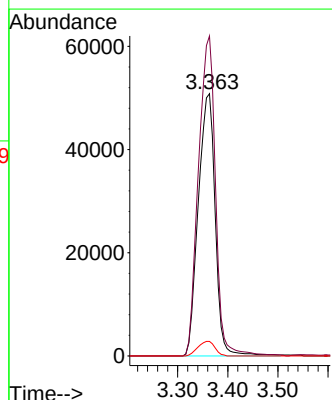
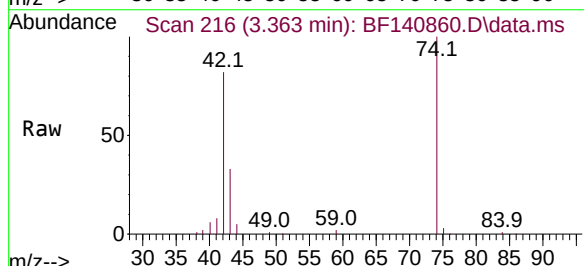
Tgt Ion: 42 Resp: 119432

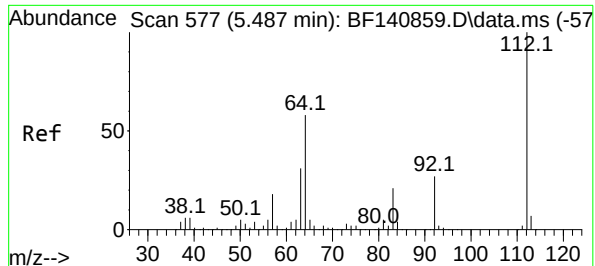
Ion Ratio Lower Upper

42 100

74 122.0 96.9 145.3

44 5.5 4.4 6.6

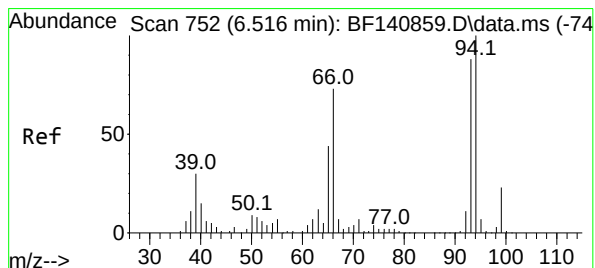
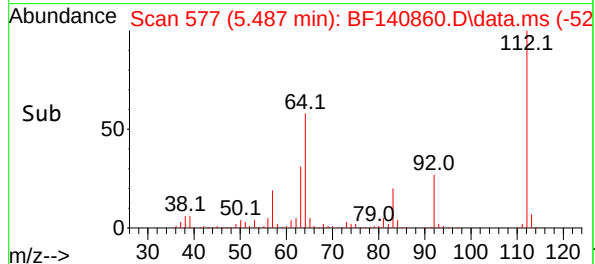
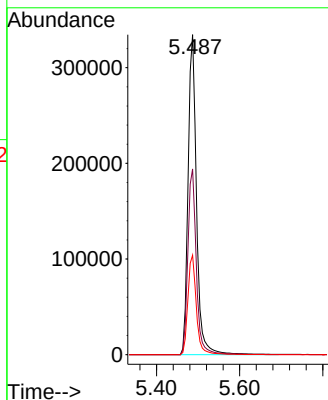
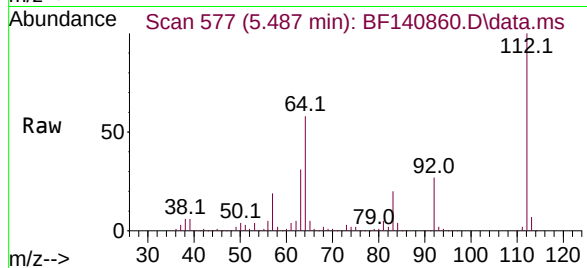




#5
2-Fluorophenol
Concen: 101.322 ng
RT: 5.487 min Scan# 51
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

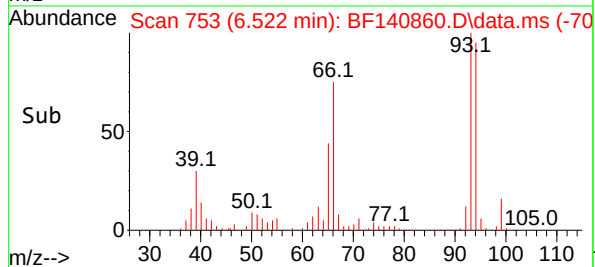
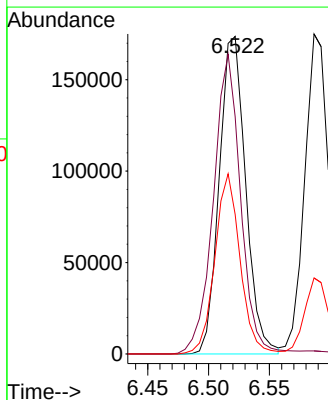
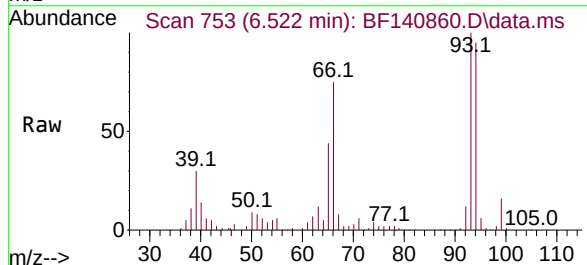
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

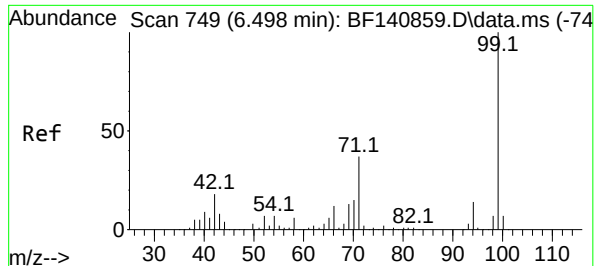
Tgt Ion:112 Resp: 473230
Ion Ratio Lower Upper
112 100
64 58.0 46.1 69.1
63 31.1 24.9 37.3



#6
Aniline
Concen: 49.559 ng
RT: 6.522 min Scan# 753
Delta R.T. 0.006 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

Tgt Ion: 93 Resp: 262131
Ion Ratio Lower Upper
93 100
66 74.7 67.0 100.4
65 43.9 40.4 60.6

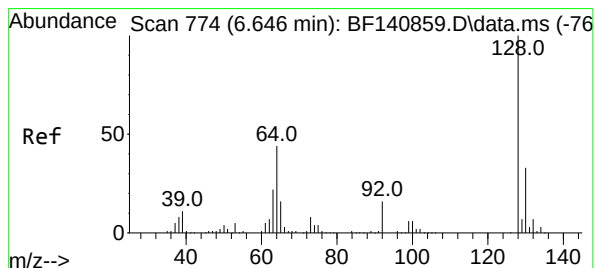
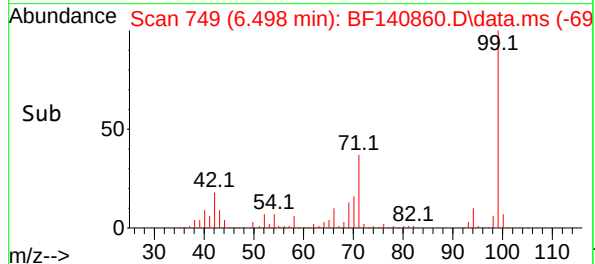
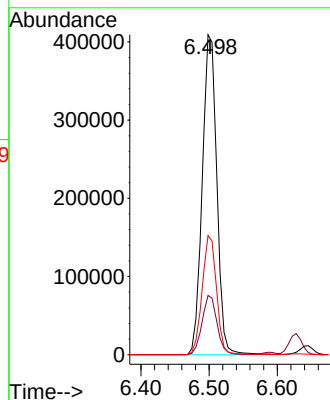
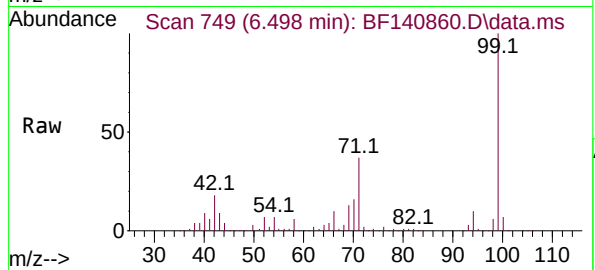




#7
Phenol-d6
Concen: 97.928 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

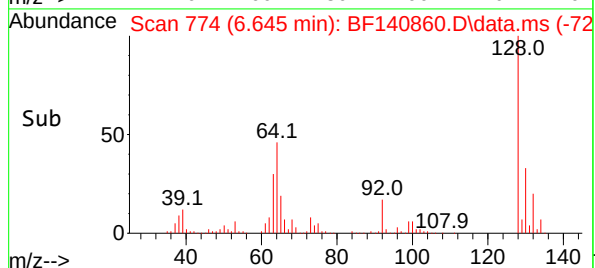
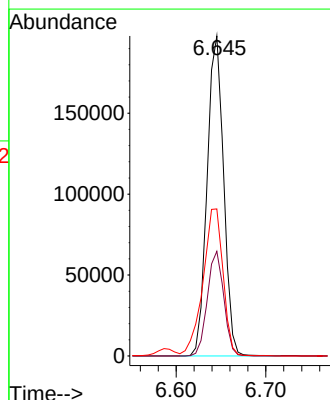
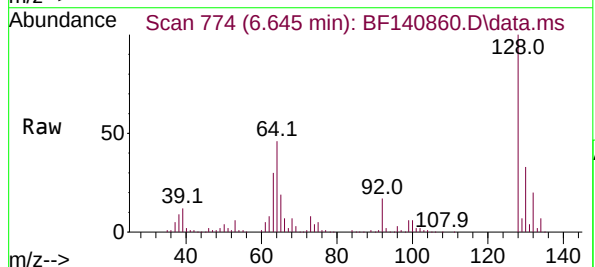
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

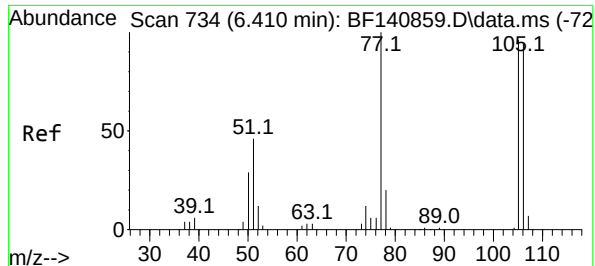
Tgt Ion: 99 Resp: 605803
Ion Ratio Lower Upper
99 100
42 18.5 14.3 21.5
71 37.2 29.9 44.9



#8
2-Chlorophenol
Concen: 49.538 ng
RT: 6.645 min Scan# 774
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

Tgt Ion: 128 Resp: 252311
Ion Ratio Lower Upper
128 100
130 32.7 12.9 52.9
64 45.9 24.3 64.3





#9

Benzaldehyde

Concen: 46.127 ng

RT: 6.410 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF140860.D

Acq: 16 Dec 2024 15:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

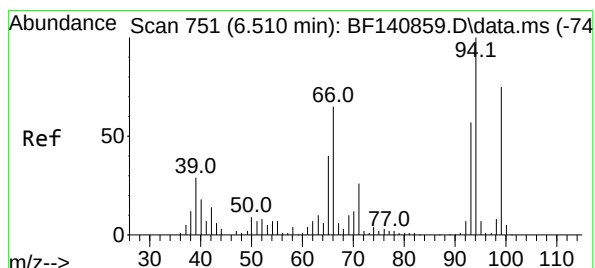
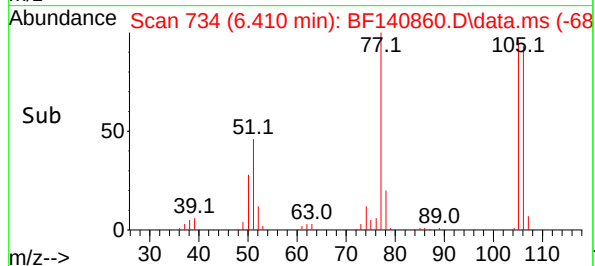
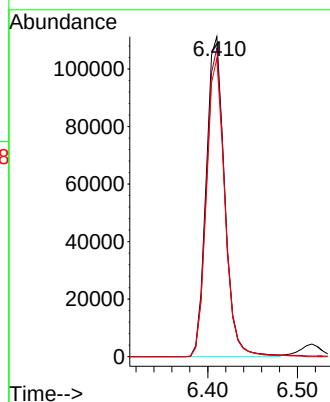
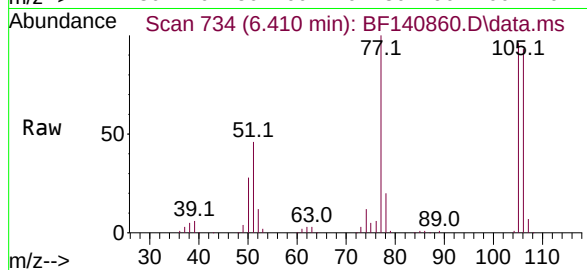
Tgt Ion: 77 Resp: 158111

Ion Ratio Lower Upper

77 100

105 96.4 75.8 115.8

106 93.2 74.1 114.1



#10

Phenol

Concen: 49.267 ng

RT: 6.516 min Scan# 752

Delta R.T. 0.006 min

Lab File: BF140860.D

Acq: 16 Dec 2024 15:23

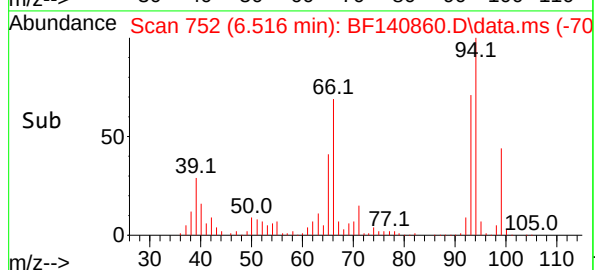
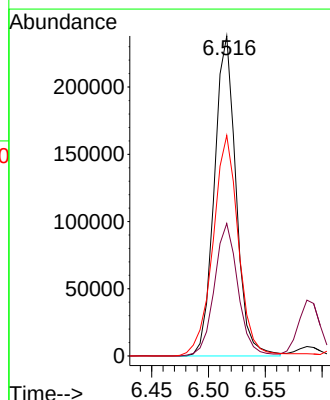
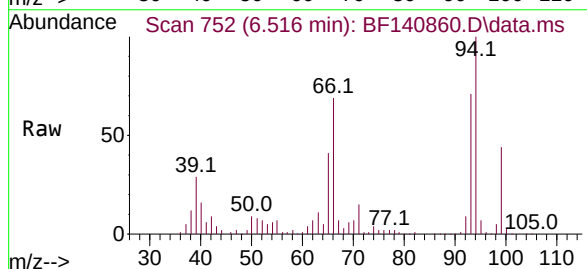
Tgt Ion: 94 Resp: 315876

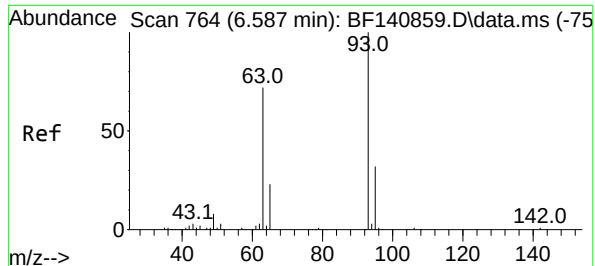
Ion Ratio Lower Upper

94 100

65 41.4 19.9 59.9

66 68.9 45.6 85.6

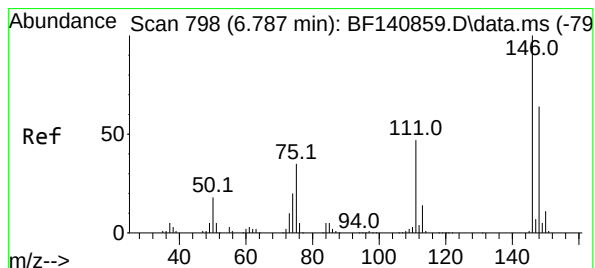
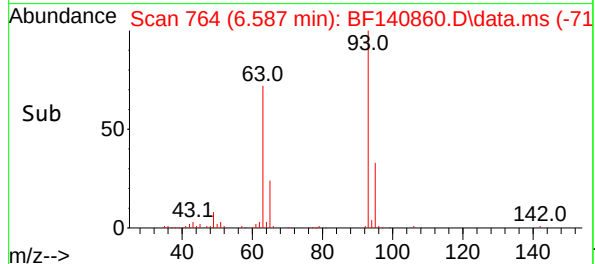
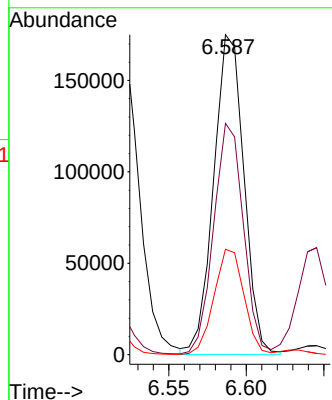
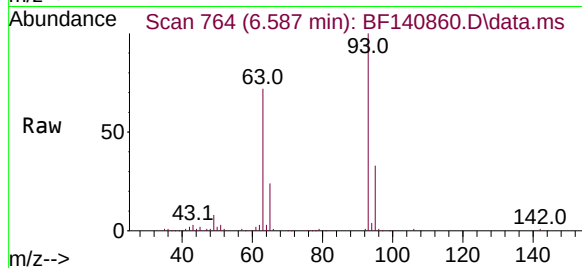




#11
bis(2-Chloroethyl)ether
Concen: 49.712 ng
RT: 6.587 min Scan# 701
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

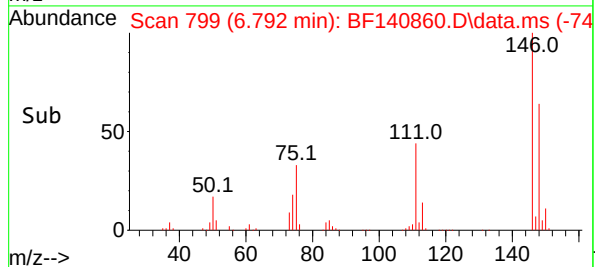
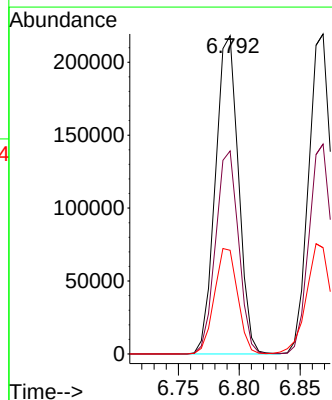
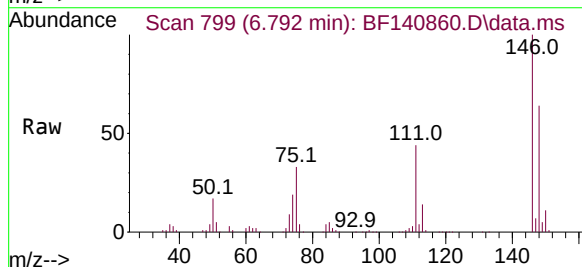
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

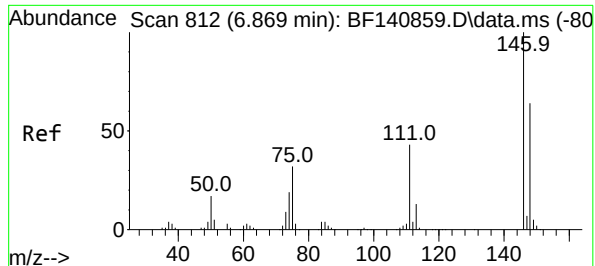
Tgt Ion: 93 Resp: 237699
Ion Ratio Lower Upper
93 100
63 72.3 51.0 91.0
95 32.9 12.0 52.0



#12
1,3-Dichlorobenzene
Concen: 49.515 ng
RT: 6.792 min Scan# 799
Delta R.T. 0.006 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

Tgt Ion: 146 Resp: 287366
Ion Ratio Lower Upper
146 100
148 63.8 51.0 76.6
75 32.6 28.1 42.1





#13

1,4-Dichlorobenzene

Concen: 48.784 ng

RT: 6.869 min Scan# 812

Delta R.T. -0.000 min

Lab File: BF140860.D

Acq: 16 Dec 2024 15:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

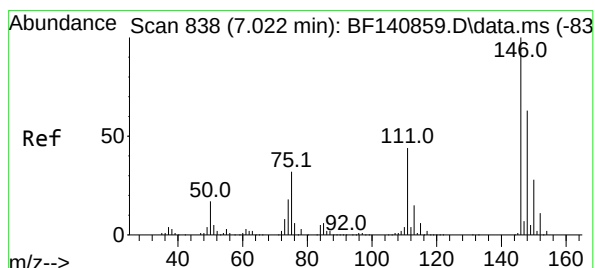
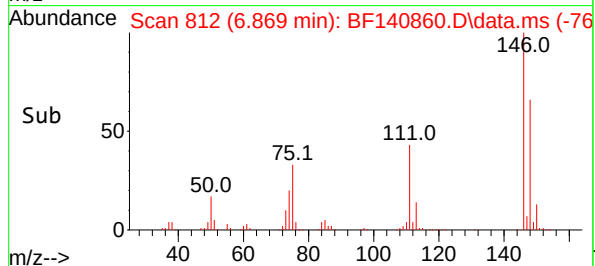
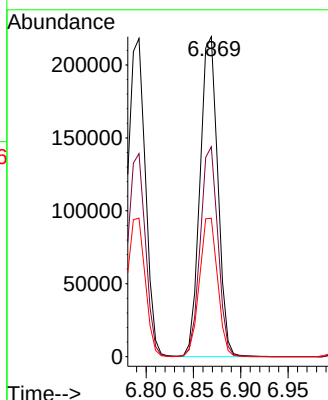
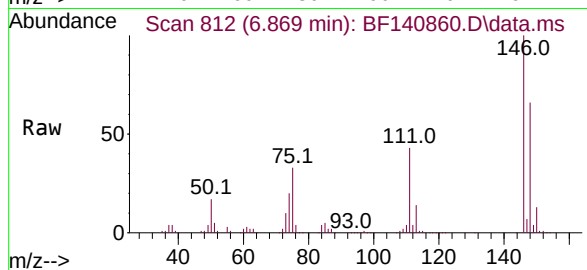
Tgt Ion:146 Resp: 287394

Ion Ratio Lower Upper

146 100

148 65.6 51.3 76.9

111 43.3 34.4 51.6



#14

1,2-Dichlorobenzene

Concen: 48.518 ng

RT: 7.022 min Scan# 838

Delta R.T. -0.000 min

Lab File: BF140860.D

Acq: 16 Dec 2024 15:23

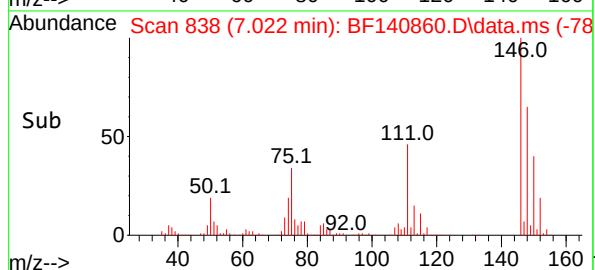
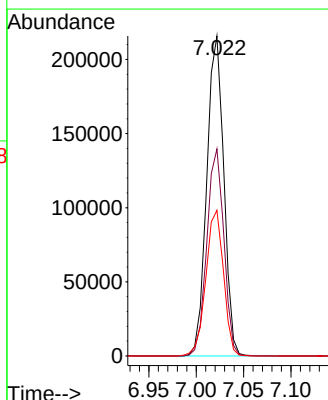
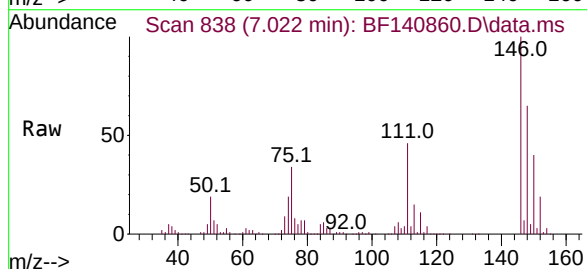
Tgt Ion:146 Resp: 269678

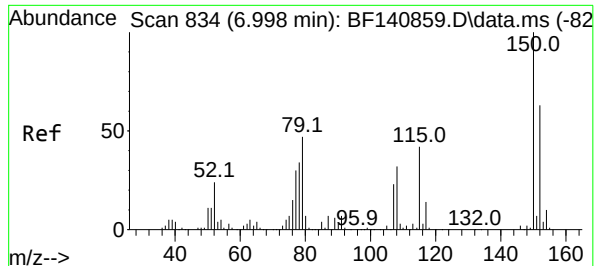
Ion Ratio Lower Upper

146 100

148 64.7 50.0 75.0

111 45.5 35.6 53.4





#15

Benzyl Alcohol

Concen: 49.692 ng

RT: 6.998 min Scan# 81

Delta R.T. -0.000 min

Lab File: BF140860.D

Acq: 16 Dec 2024 15:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

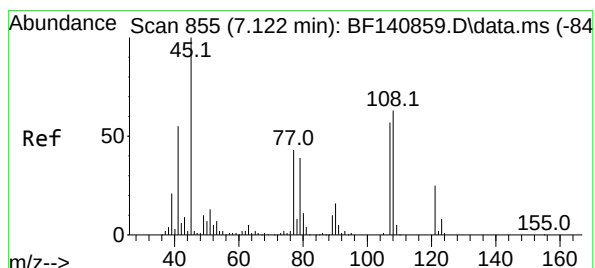
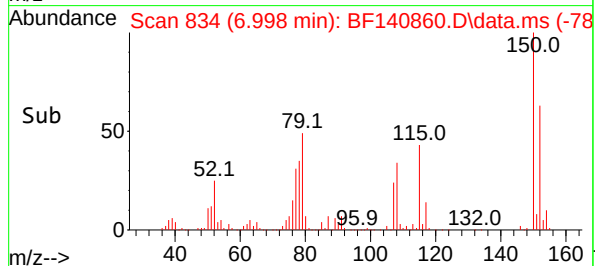
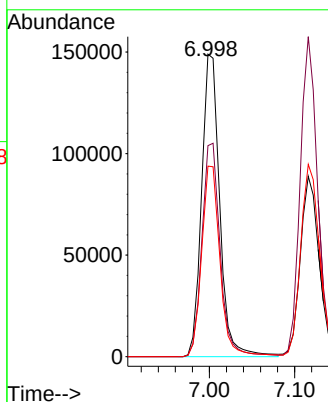
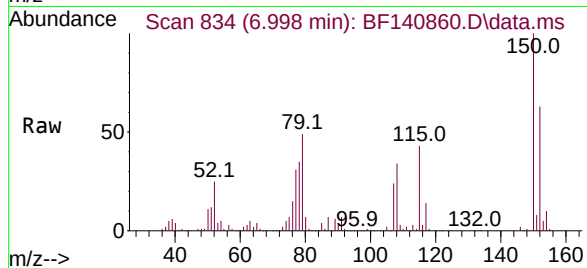
Tgt Ion: 79 Resp: 219795

Ion Ratio Lower Upper

79 100

108 69.7 55.1 82.7

77 63.0 50.6 76.0



#16

2,2'-oxybis(1-chloropropane)

Concen: 49.072 ng

RT: 7.122 min Scan# 855

Delta R.T. -0.000 min

Lab File: BF140860.D

Acq: 16 Dec 2024 15:23

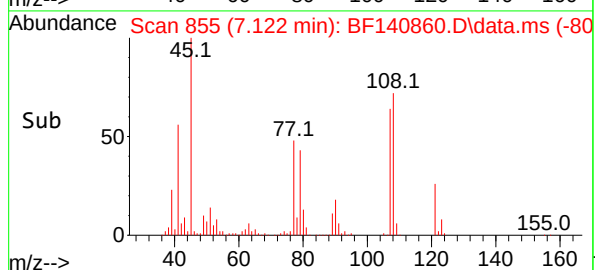
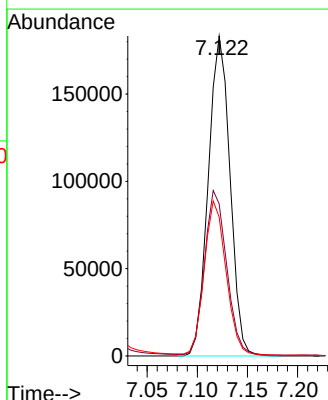
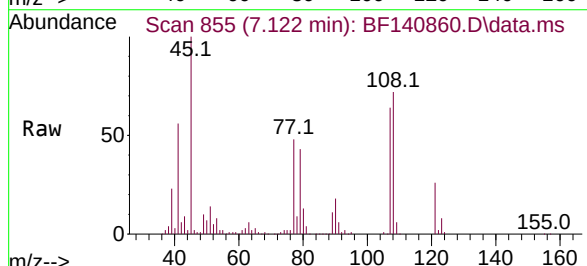
Tgt Ion: 45 Resp: 276410

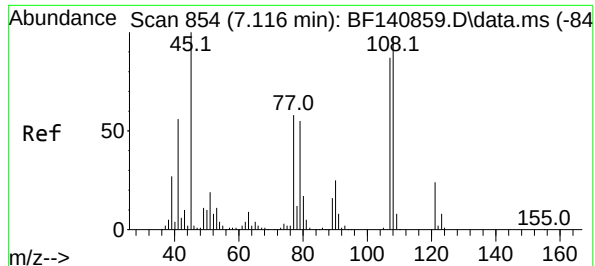
Ion Ratio Lower Upper

45 100

77 47.6 23.3 63.3

79 43.4 20.0 60.0

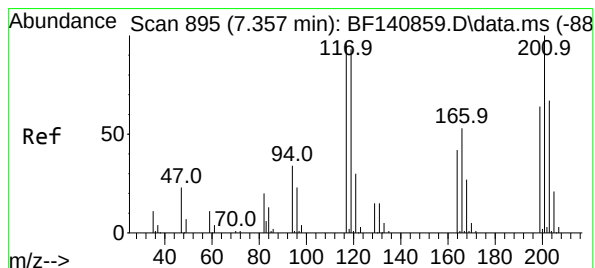
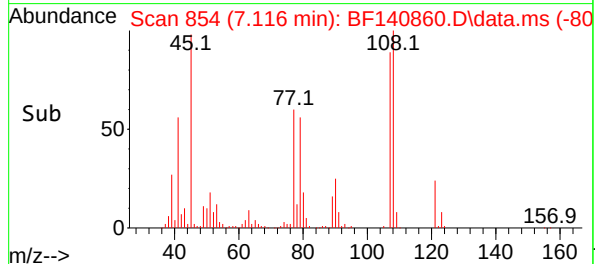
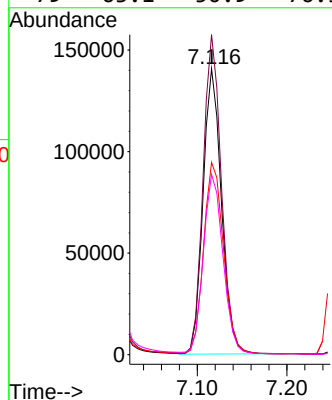
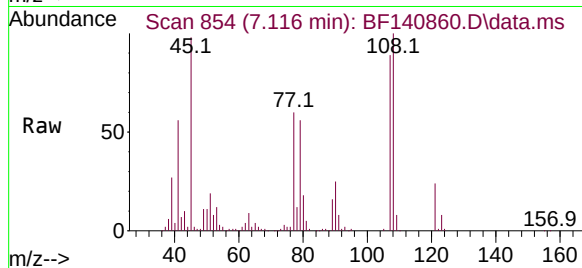




#17
2-Methylphenol
Concen: 49.127 ng
RT: 7.116 min Scan# 854
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

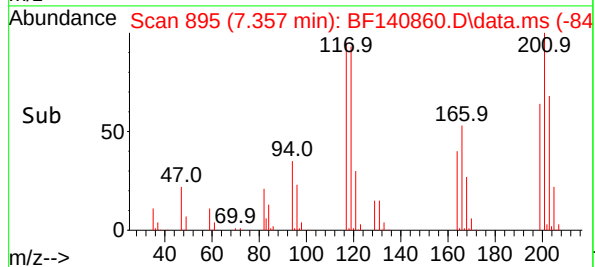
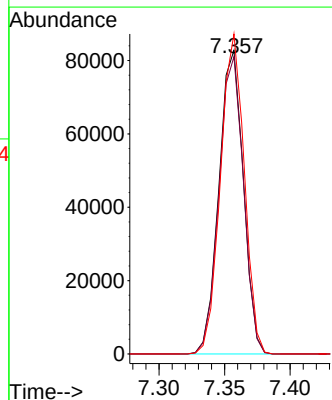
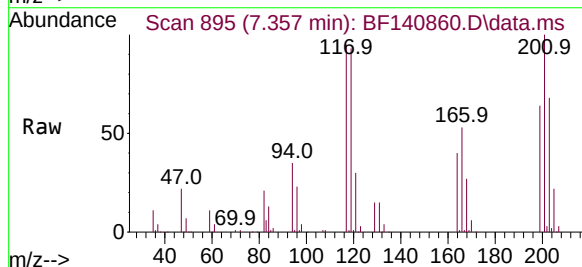
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

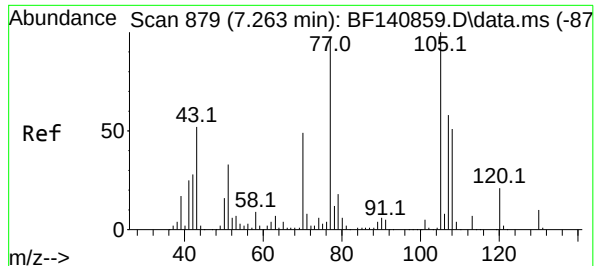
Tgt Ion:107 Resp: 199766
Ion Ratio Lower Upper
107 100
108 111.9 90.2 135.4
77 67.3 53.8 80.6
79 63.1 50.9 76.3



#18
Hexachloroethane
Concen: 48.849 ng
RT: 7.357 min Scan# 895
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

Tgt Ion:117 Resp: 107131
Ion Ratio Lower Upper
117 100
119 97.9 77.4 116.0
201 105.4 83.4 125.0





#19

n-Nitroso-di-n-propylamine

Concen: 48.587 ng

RT: 7.269 min Scan# 879

Delta R.T. 0.006 min

Lab File: BF140860.D

Acq: 16 Dec 2024 15:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion: 70 Resp: 180295

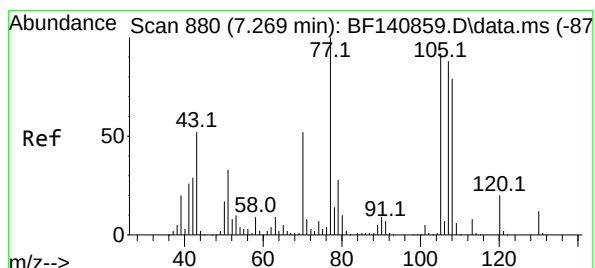
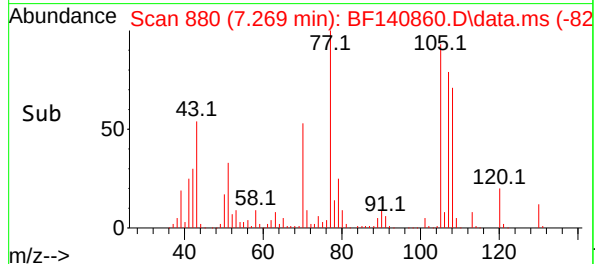
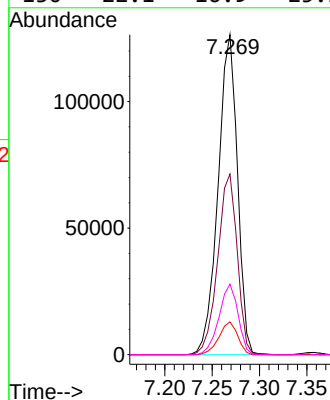
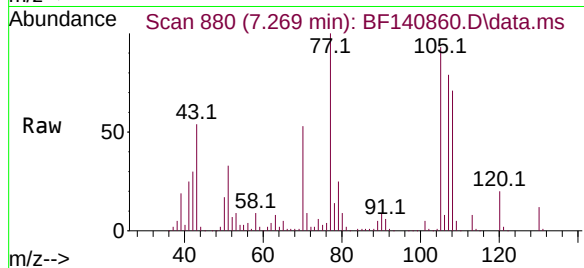
Ion Ratio Lower Upper

70 100

42 56.4 45.3 67.9

101 10.2 8.0 12.0

130 22.1 16.9 25.3



#20

3+4-Methylphenols

Concen: 48.491 ng

RT: 7.269 min Scan# 880

Delta R.T. -0.000 min

Lab File: BF140860.D

Acq: 16 Dec 2024 15:23

Tgt Ion:107 Resp: 261470

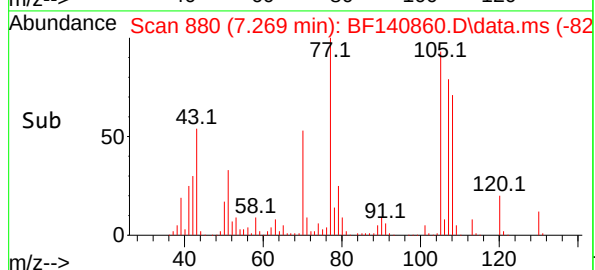
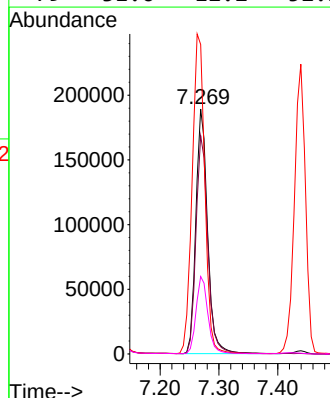
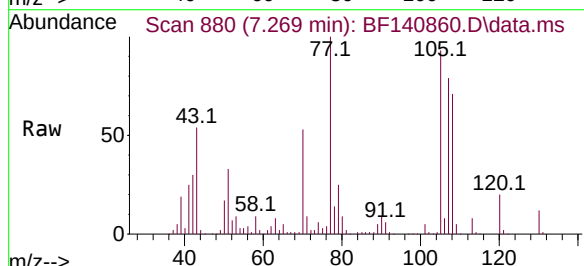
Ion Ratio Lower Upper

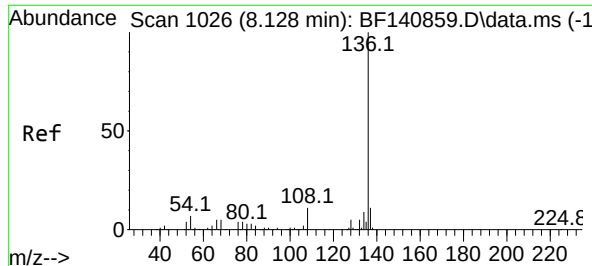
107 100

108 89.1 70.1 110.1

77 126.3 94.4 134.4

79 31.6 12.2 52.2



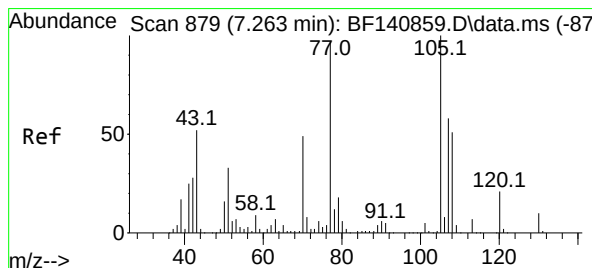
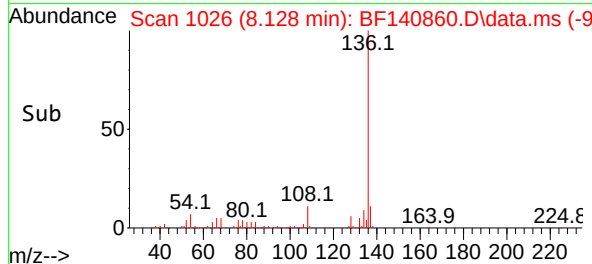
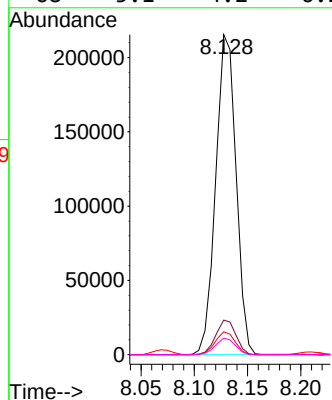
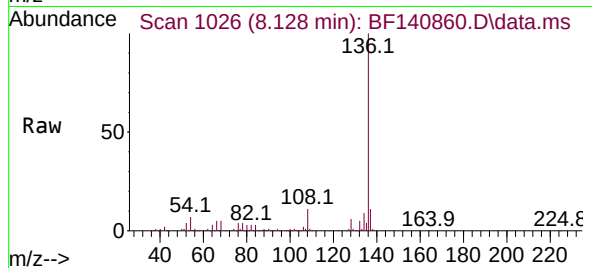


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1026
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:136 Resp: 285955

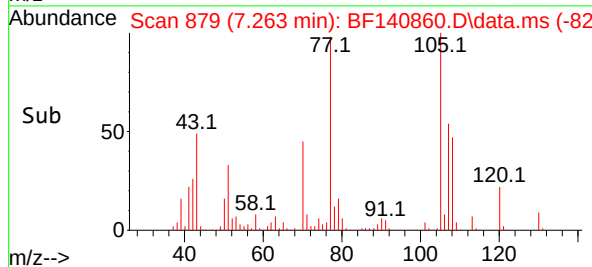
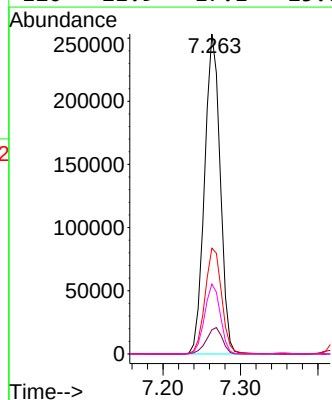
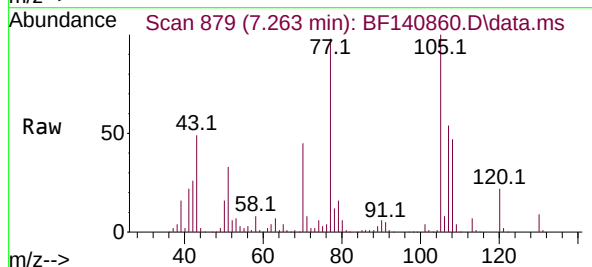
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.0	13.4
54	7.1	5.6	8.4
68	5.1	4.2	6.2

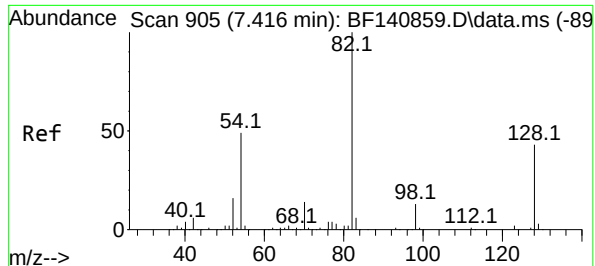


#22
Acetophenone
Concen: 49.578 ng
RT: 7.263 min Scan# 879
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

Tgt Ion:105 Resp: 354645

Ion	Ratio	Lower	Upper
105	100		
71	7.5	6.2	9.4
51	33.1	26.3	39.5
120	21.9	17.1	25.7





#23

Nitrobenzene-d5

Concen: 99.392 ng

RT: 7.422 min Scan# 906

Delta R.T. 0.006 min

Lab File: BF140860.D

Acq: 16 Dec 2024 15:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

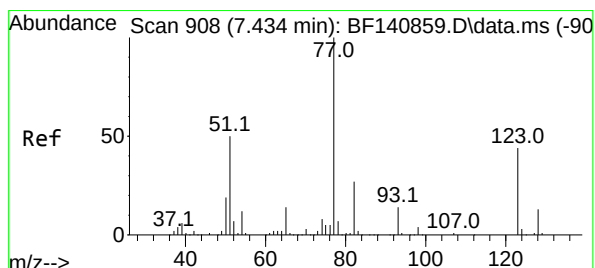
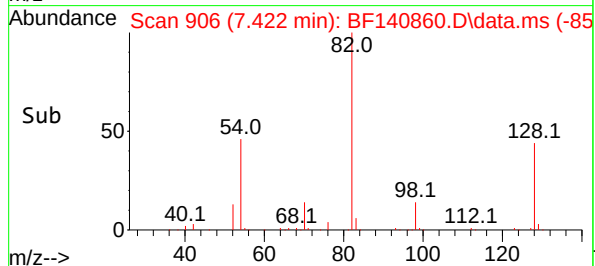
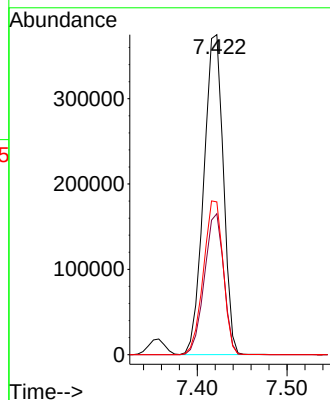
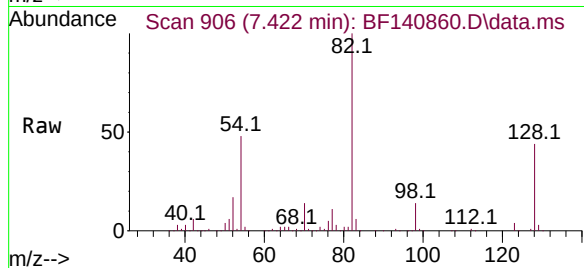
Tgt Ion: 82 Resp: 568078

Ion Ratio Lower Upper

82 100

128 44.0 34.4 51.6

54 47.7 38.8 58.2



#24

Nitrobenzene

Concen: 49.777 ng

RT: 7.439 min Scan# 909

Delta R.T. 0.006 min

Lab File: BF140860.D

Acq: 16 Dec 2024 15:23

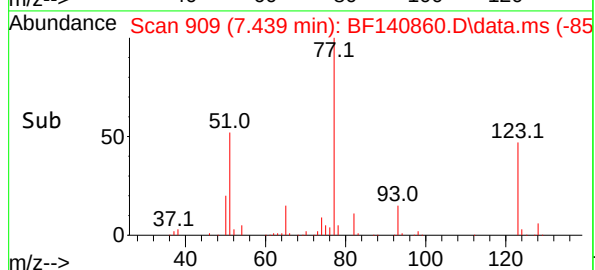
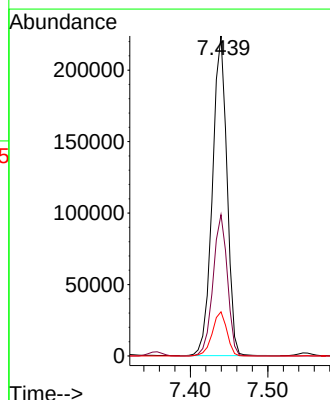
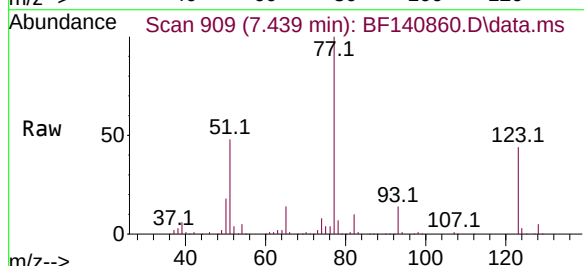
Tgt Ion: 77 Resp: 291463

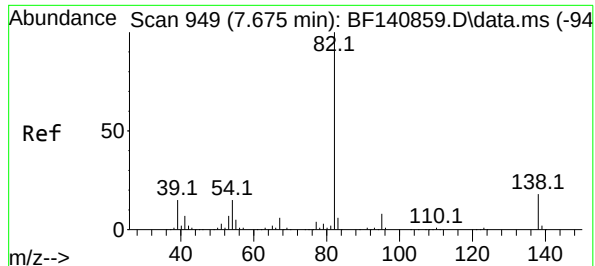
Ion Ratio Lower Upper

77 100

123 44.1 35.0 52.4

65 13.8 11.4 17.0





#25

Isophorone

Concen: 49.580 ng

RT: 7.675 min Scan# 949

Delta R.T. -0.000 min

Lab File: BF140860.D

Acq: 16 Dec 2024 15:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

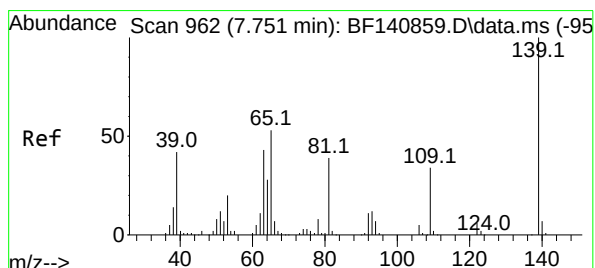
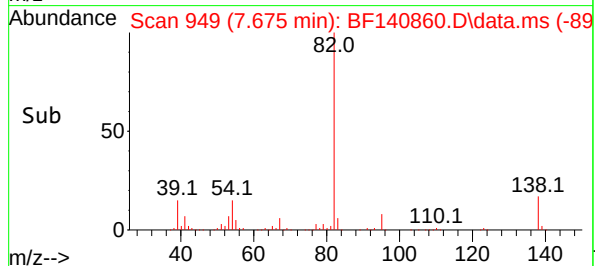
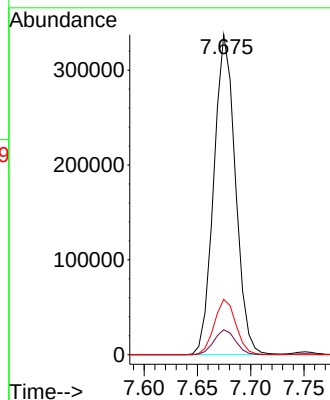
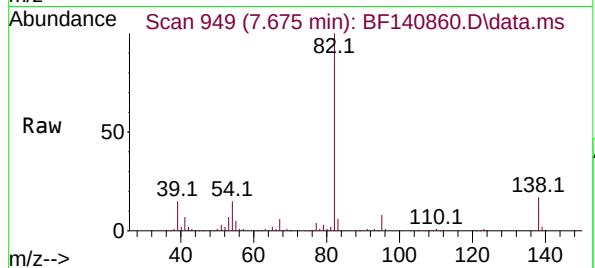
Tgt Ion: 82 Resp: 474812

Ion Ratio Lower Upper

82 100

95 7.8 6.3 9.5

138 17.3 14.1 21.1



#26

2-Nitrophenol

Concen: 50.500 ng

RT: 7.751 min Scan# 962

Delta R.T. -0.000 min

Lab File: BF140860.D

Acq: 16 Dec 2024 15:23

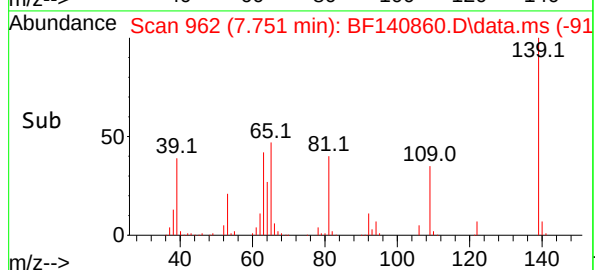
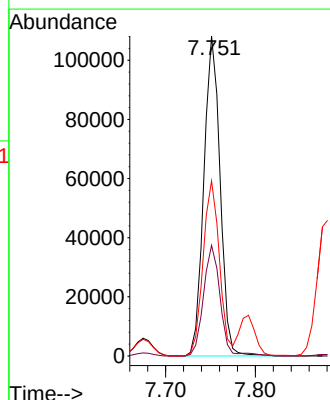
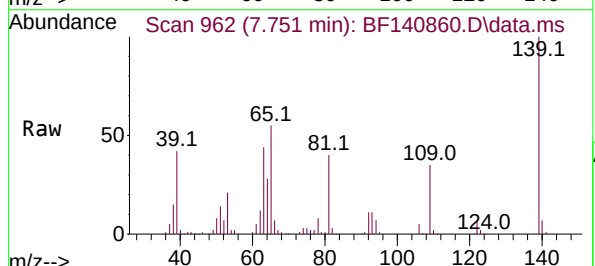
Tgt Ion:139 Resp: 136187

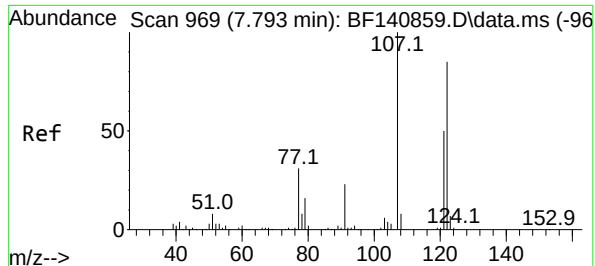
Ion Ratio Lower Upper

139 100

109 34.5 26.9 40.3

65 54.7 42.6 64.0





#27

2,4-Dimethylphenol

Concen: 49.632 ng

RT: 7.792 min Scan# 91

Delta R.T. -0.000 min

Lab File: BF140860.D

Acq: 16 Dec 2024 15:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

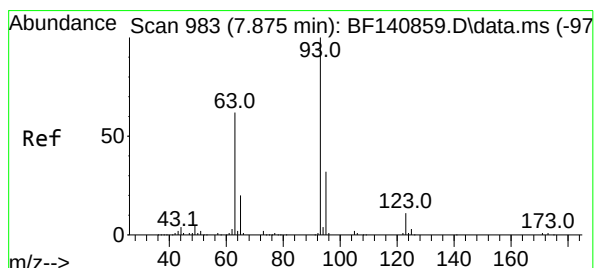
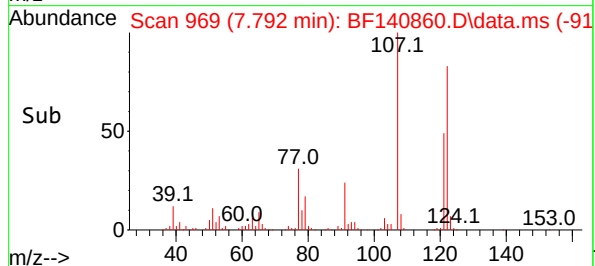
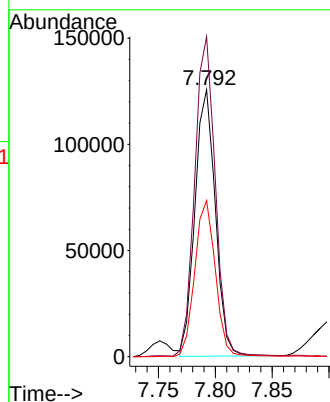
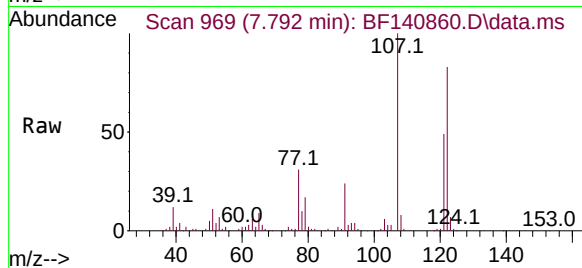
Tgt Ion:122 Resp: 156314

Ion Ratio Lower Upper

122 100

107 119.8 92.6 139.0

121 58.5 45.8 68.8



#28

bis(2-Chloroethoxy)methane

Concen: 50.002 ng

RT: 7.881 min Scan# 984

Delta R.T. 0.006 min

Lab File: BF140860.D

Acq: 16 Dec 2024 15:23

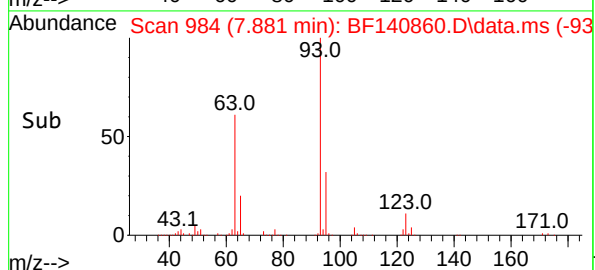
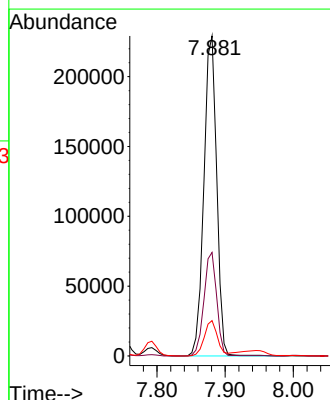
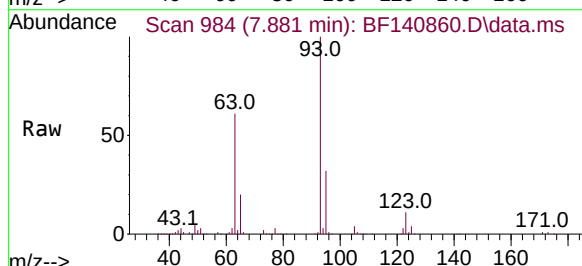
Tgt Ion: 93 Resp: 299078

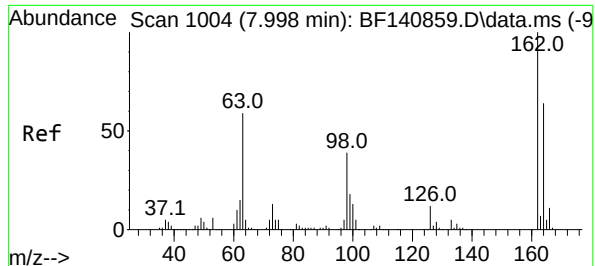
Ion Ratio Lower Upper

93 100

95 32.3 25.3 37.9

123 11.0 8.6 13.0





#29

2,4-Dichlorophenol

Concen: 49.463 ng

RT: 7.998 min Scan# 1004

Delta R.T. -0.000 min

Lab File: BF140860.D

Acq: 16 Dec 2024 15:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

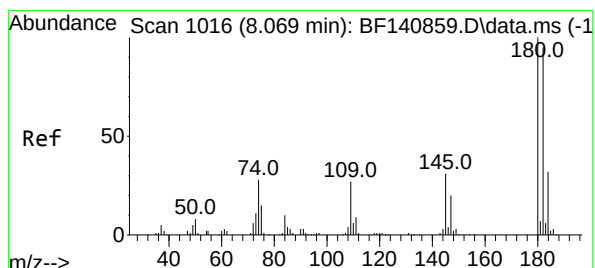
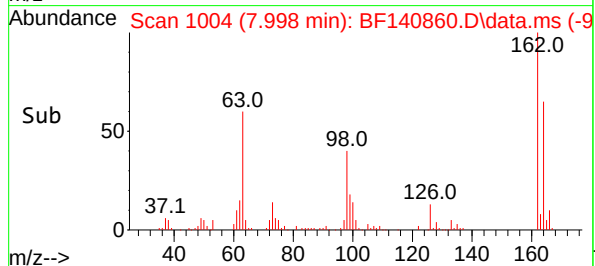
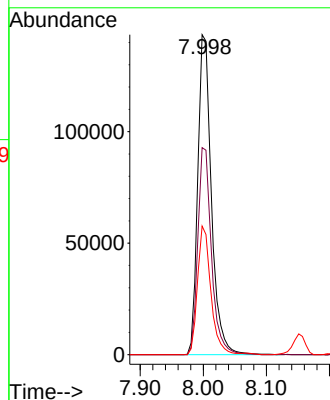
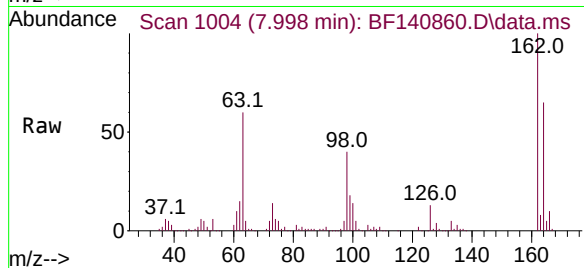
Tgt Ion:162 Resp: 215069

Ion Ratio Lower Upper

162 100

164 64.7 43.7 83.7

98 40.2 18.6 58.6



#30

1,2,4-Trichlorobenzene

Concen: 48.990 ng

RT: 8.069 min Scan# 1016

Delta R.T. -0.000 min

Lab File: BF140860.D

Acq: 16 Dec 2024 15:23

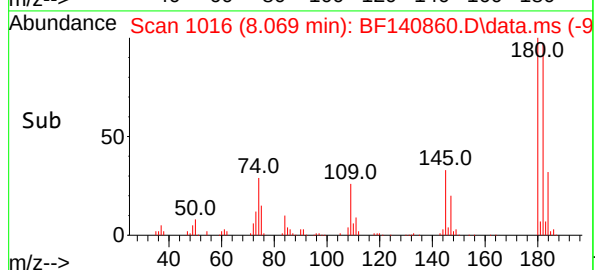
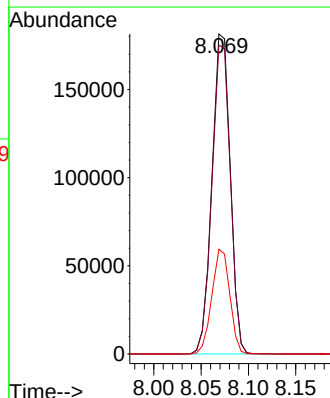
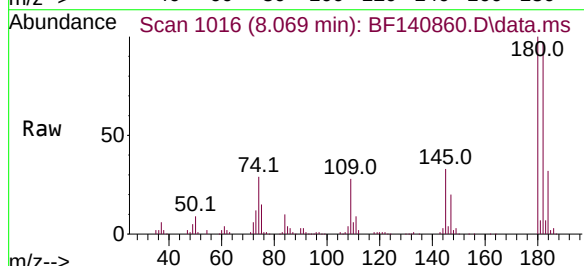
Tgt Ion:180 Resp: 244191

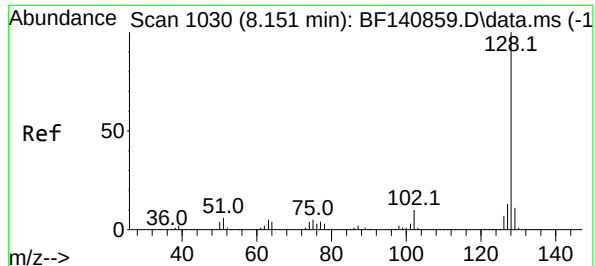
Ion Ratio Lower Upper

180 100

182 96.5 75.8 113.6

145 32.7 25.2 37.8





#31

Naphthalene

Concen: 49.610 ng

RT: 8.151 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF140860.D

Acq: 16 Dec 2024 15:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

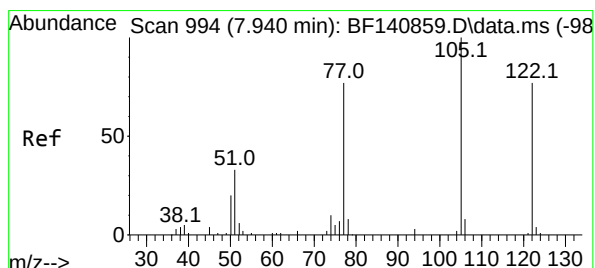
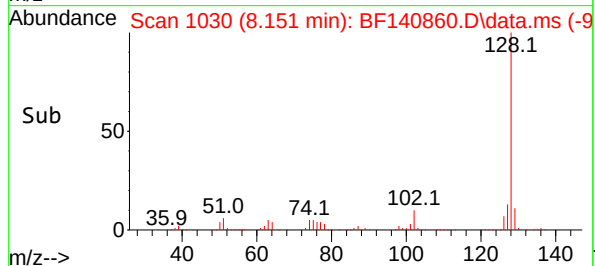
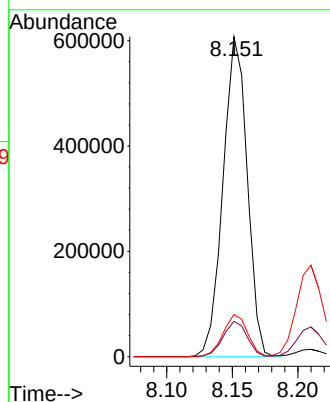
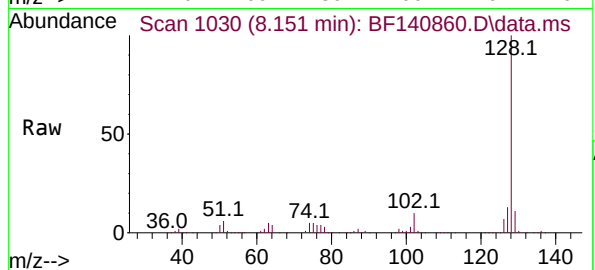
Tgt Ion:128 Resp: 779270

Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

127 13.2 10.6 16.0



#32

Benzoic acid

Concen: 52.746 ng

RT: 7.951 min Scan# 996

Delta R.T. 0.011 min

Lab File: BF140860.D

Acq: 16 Dec 2024 15:23

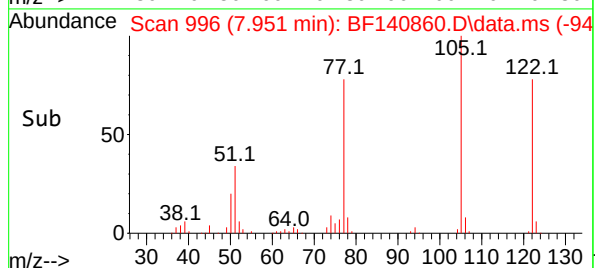
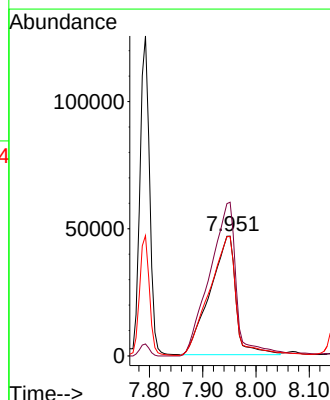
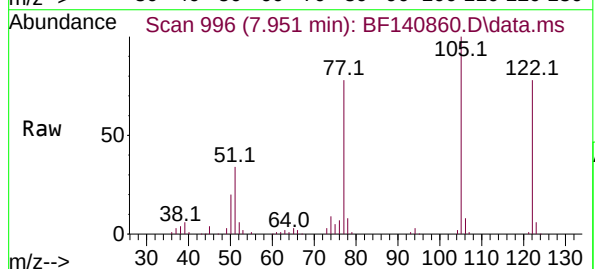
Tgt Ion:122 Resp: 157548

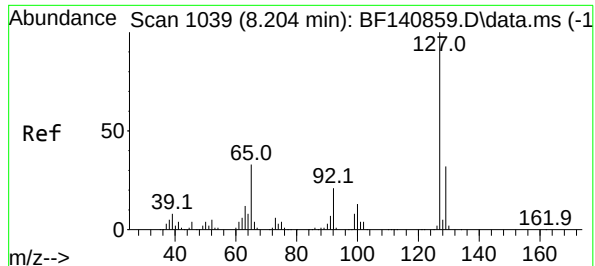
Ion Ratio Lower Upper

122 100

105 128.3 108.3 148.3

77 99.7 78.8 118.8





#33

4-Chloroaniline

Concen: 49.011 ng

RT: 8.210 min Scan# 1040

Delta R.T. 0.006 min

Lab File: BF140860.D

Acq: 16 Dec 2024 15:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:127 Resp: 255688

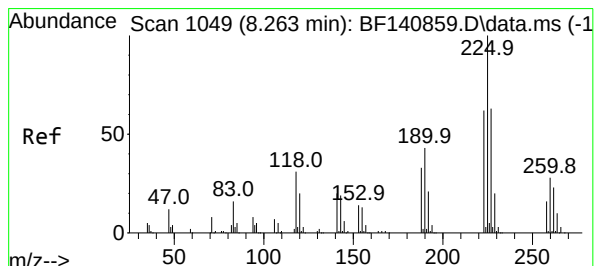
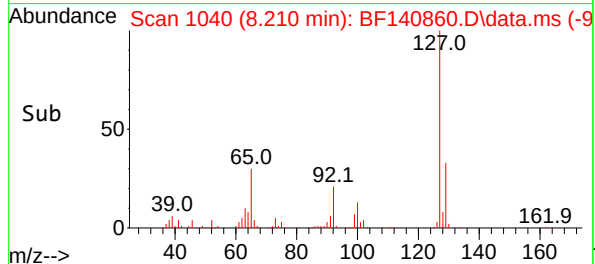
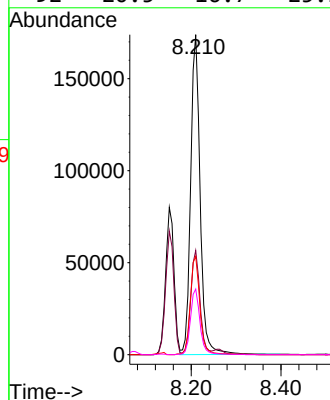
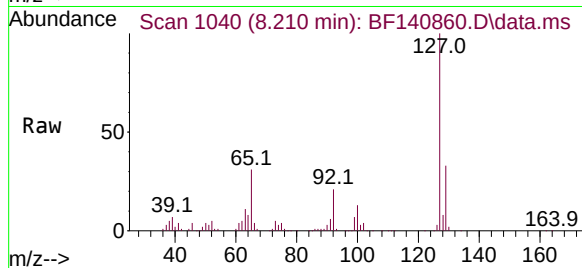
Ion Ratio Lower Upper

127 100

129 32.5 26.0 39.0

65 30.8 26.0 39.0

92 20.5 16.7 25.1



#34

Hexachlorobutadiene

Concen: 49.763 ng

RT: 8.263 min Scan# 1049

Delta R.T. -0.000 min

Lab File: BF140860.D

Acq: 16 Dec 2024 15:23

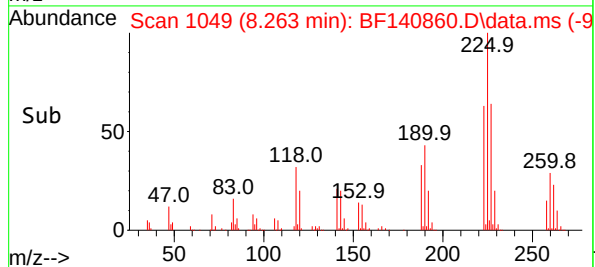
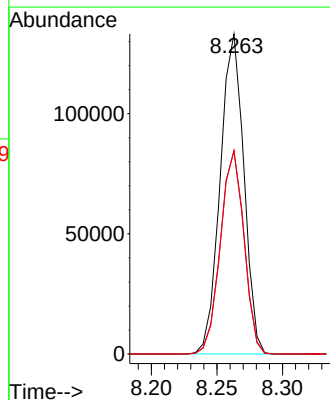
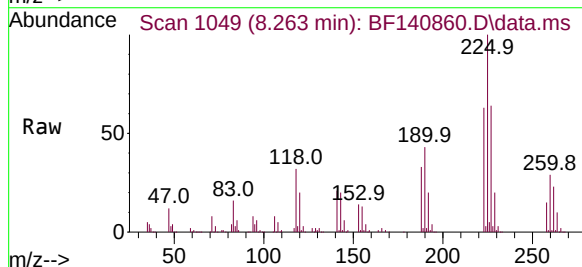
Tgt Ion:225 Resp: 166884

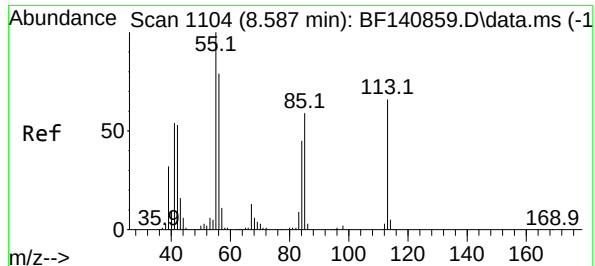
Ion Ratio Lower Upper

225 100

223 63.4 49.6 74.4

227 63.6 50.7 76.1





#35

Caprolactam

Concen: 49.156 ng

RT: 8.592 min Scan# 1105

Delta R.T. 0.006 min

Lab File: BF140860.D

Acq: 16 Dec 2024 15:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

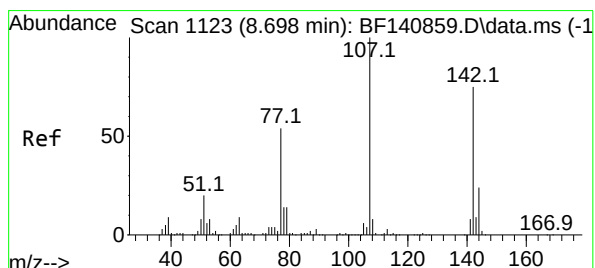
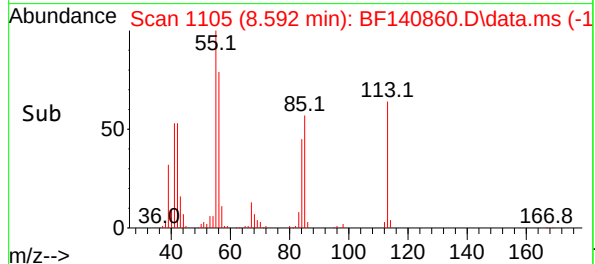
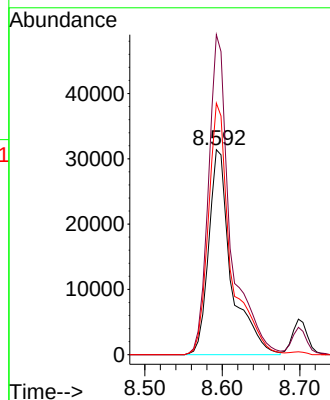
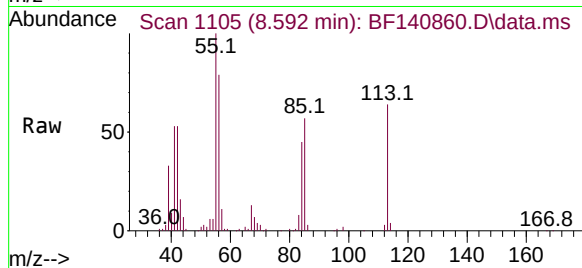
Tgt Ion:113 Resp: 63631

Ion Ratio Lower Upper

113 100

55 156.1 132.3 172.3

56 122.7 100.3 140.3



#36

4-Chloro-3-methylphenol

Concen: 48.512 ng

RT: 8.698 min Scan# 1123

Delta R.T. -0.000 min

Lab File: BF140860.D

Acq: 16 Dec 2024 15:23

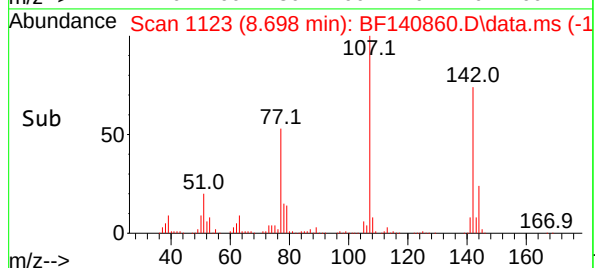
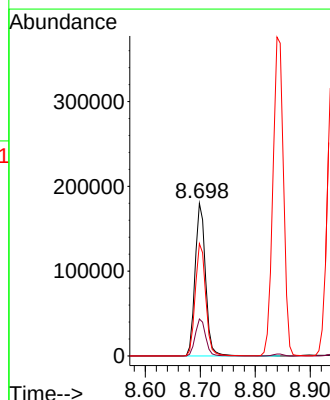
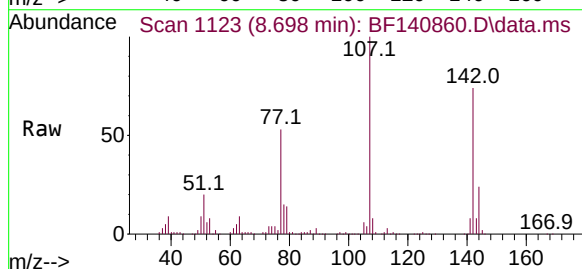
Tgt Ion:107 Resp: 237414

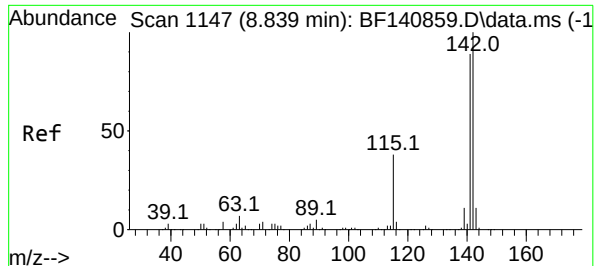
Ion Ratio Lower Upper

107 100

144 24.2 19.4 29.2

142 73.6 60.3 90.5





#37

2-Methylnaphthalene

Concen: 48.139 ng

RT: 8.839 min Scan# 1147

Delta R.T. -0.000 min

Lab File: BF140860.D

Acq: 16 Dec 2024 15:23

Instrument :

BNA_F

ClientSampleId :

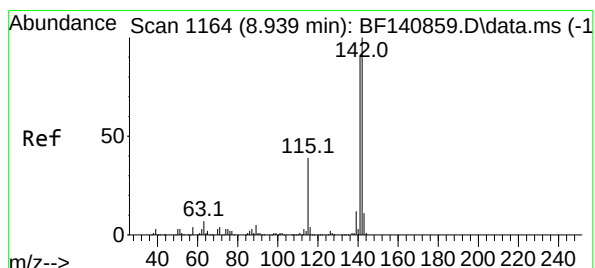
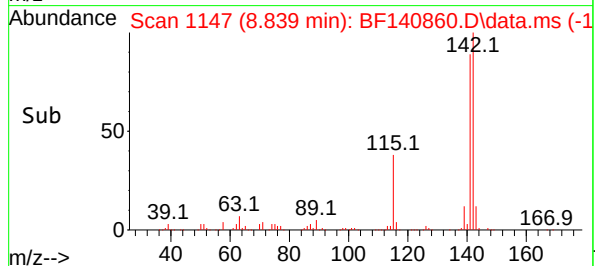
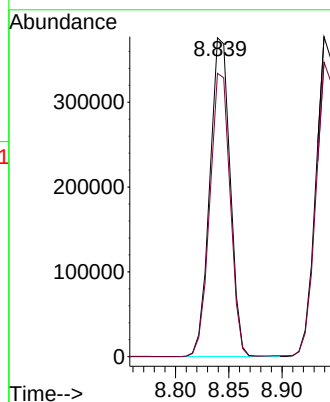
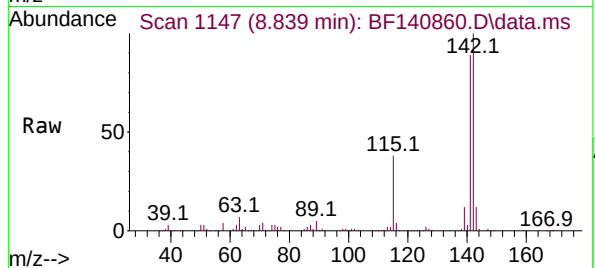
SSTDICC050

Tgt Ion:142 Resp: 500202

Ion Ratio Lower Upper

142 100

141 88.9 71.0 106.6



#38

1-Methylnaphthalene

Concen: 47.724 ng

RT: 8.939 min Scan# 1164

Delta R.T. -0.000 min

Lab File: BF140860.D

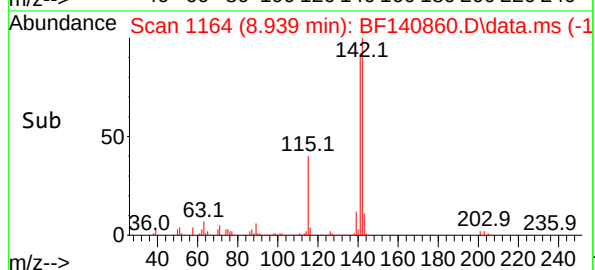
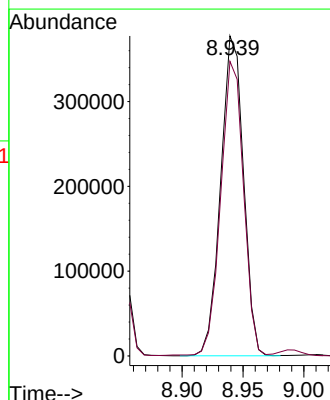
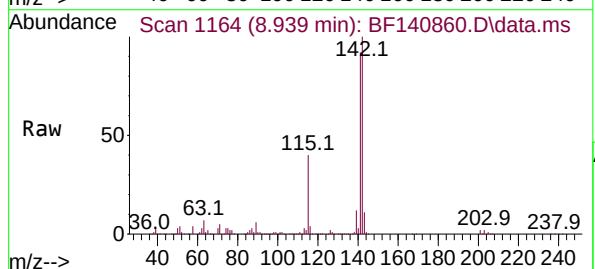
Acq: 16 Dec 2024 15:23

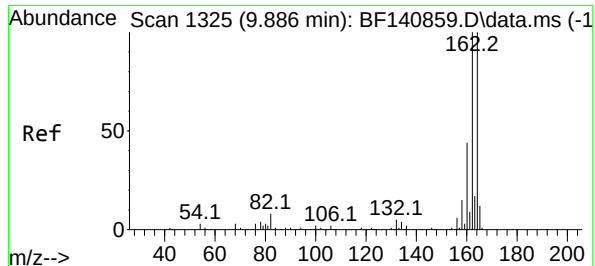
Tgt Ion:142 Resp: 490420

Ion Ratio Lower Upper

142 100

141 92.0 73.4 110.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.886 min Scan# 1176

Delta R.T. -0.000 min

Lab File: BF140860.D

Acq: 16 Dec 2024 15:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

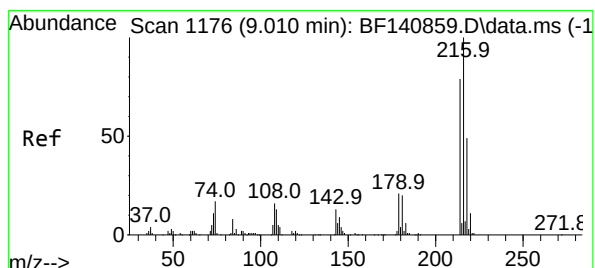
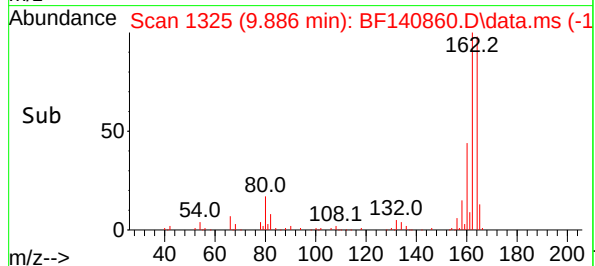
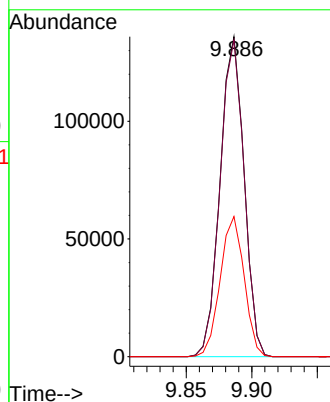
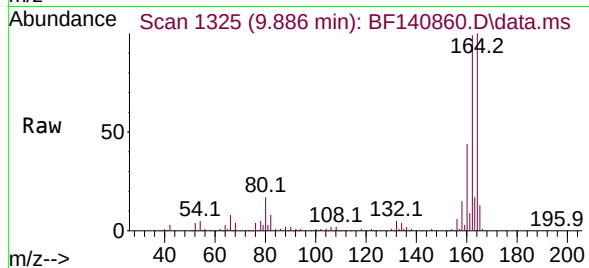
Tgt Ion:164 Resp: 172713

Ion Ratio Lower Upper

164 100

162 98.9 79.9 119.9

160 43.8 35.2 52.8



#40

1,2,4,5-Tetrachlorobenzene

Concen: 46.837 ng

RT: 9.010 min Scan# 1176

Delta R.T. -0.000 min

Lab File: BF140860.D

Acq: 16 Dec 2024 15:23

Tgt Ion:216 Resp: 248636

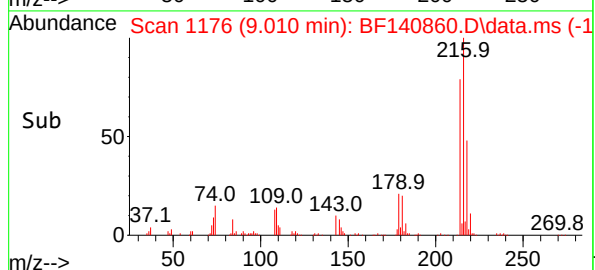
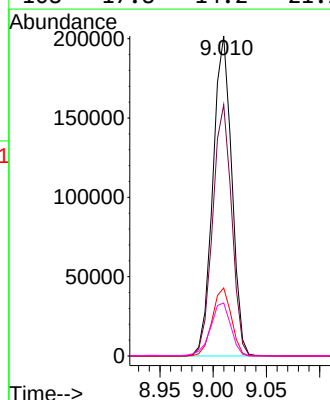
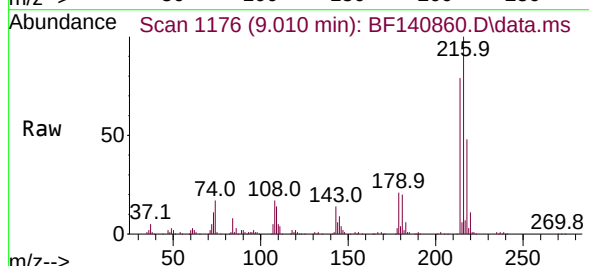
Ion Ratio Lower Upper

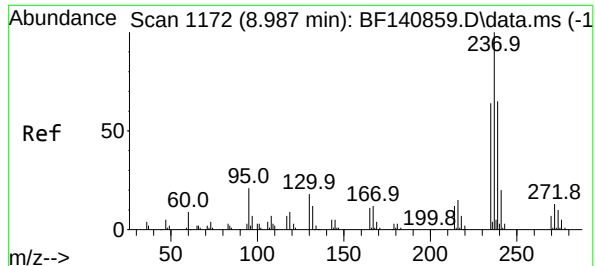
216 100

214 78.7 63.6 95.4

179 21.4 17.0 25.4

108 17.8 14.2 21.2

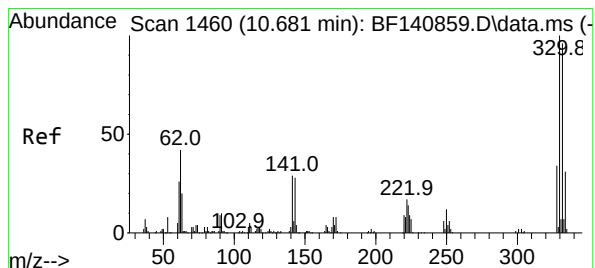
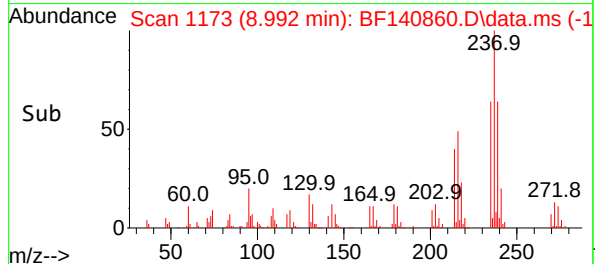
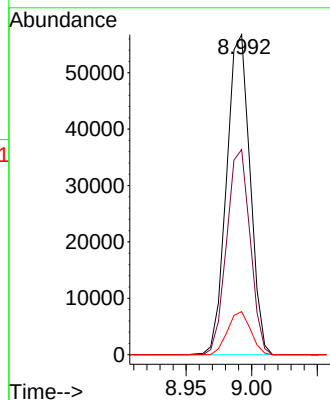
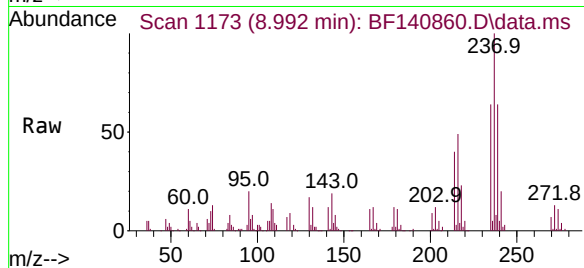




#41
Hexachlorocyclopentadiene
Concen: 50.029 ng
RT: 8.992 min Scan# 1172
Delta R.T. 0.005 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

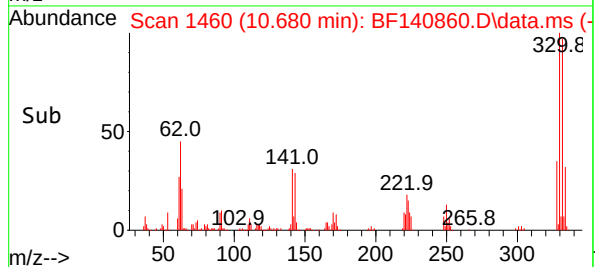
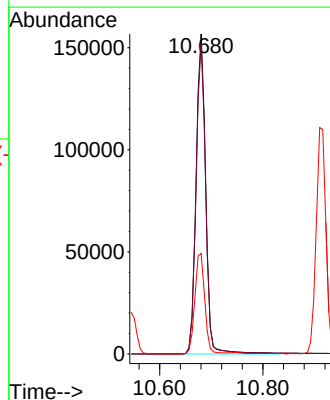
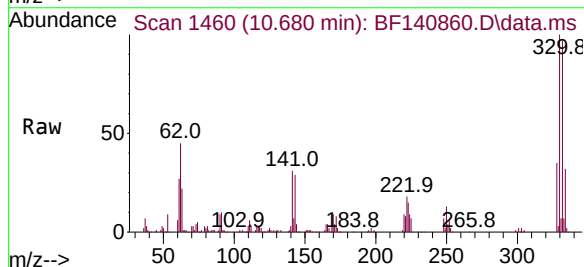
Instrument :
BNA_F
ClientSampleId :
SSTDIC050

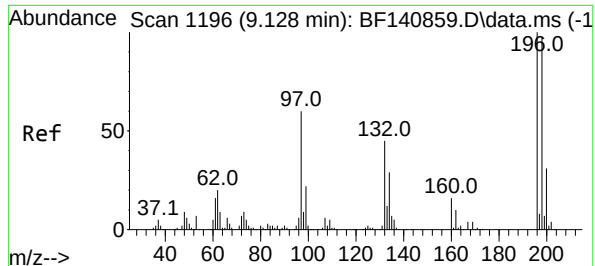
Tgt Ion:237 Resp: 70543
Ion Ratio Lower Upper
237 100
235 64.1 43.7 83.7
272 13.5 0.0 32.9



#42
2,4,6-Tribromophenol
Concen: 99.228 ng
RT: 10.680 min Scan# 1460
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

Tgt Ion:330 Resp: 202693
Ion Ratio Lower Upper
330 100
332 96.8 76.2 114.4
141 32.4 24.9 37.3





#43

2,4,6-Trichlorophenol

Concen: 47.487 ng

RT: 9.128 min Scan# 1196

Delta R.T. -0.000 min

Lab File: BF140860.D

Acq: 16 Dec 2024 15:23

Instrument :

BNA_F

ClientSampleId :

SSTDIC050

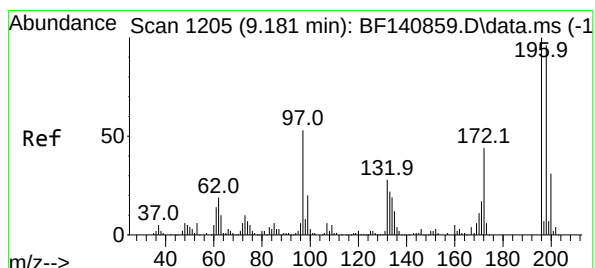
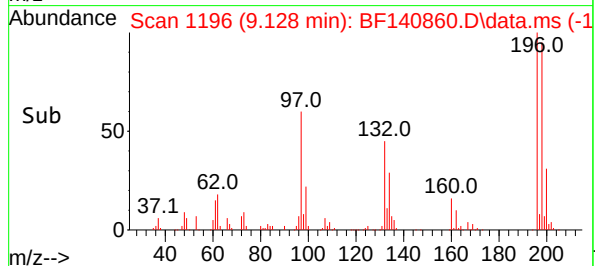
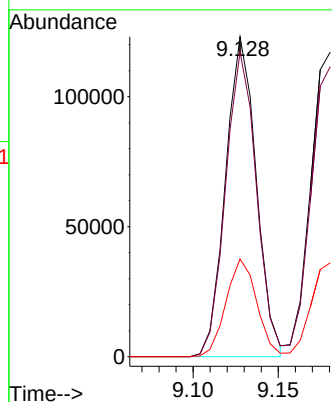
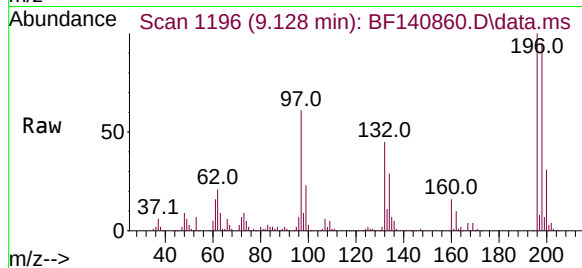
Tgt Ion:196 Resp: 154361

Ion Ratio Lower Upper

196 100

198 95.3 77.4 116.0

200 30.5 24.5 36.7



#44

2,4,5-Trichlorophenol

Concen: 47.697 ng

RT: 9.181 min Scan# 1205

Delta R.T. -0.000 min

Lab File: BF140860.D

Acq: 16 Dec 2024 15:23

Tgt Ion:196 Resp: 170411

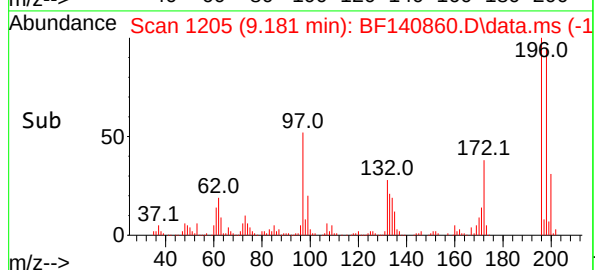
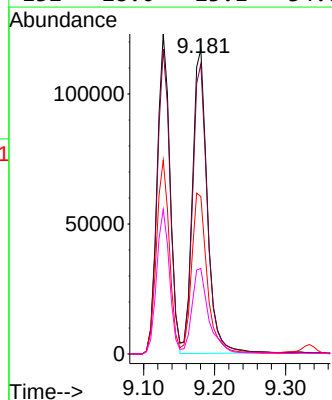
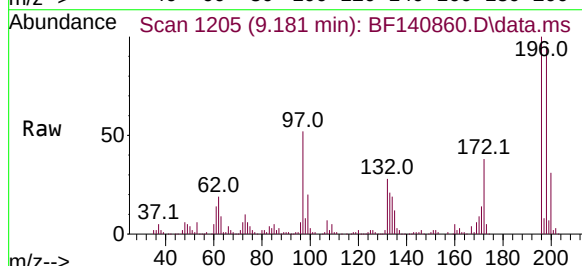
Ion Ratio Lower Upper

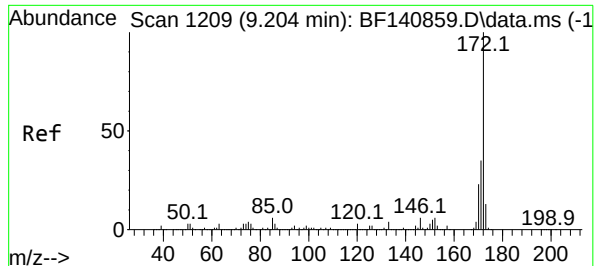
196 100

198 95.2 77.2 115.8

97 51.7 42.2 63.4

132 28.0 23.1 34.7





#45

2-Fluorobiphenyl

Concen: 92.444 ng

RT: 9.204 min Scan# 1209

Delta R.T. -0.000 min

Lab File: BF140860.D

Acq: 16 Dec 2024 15:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

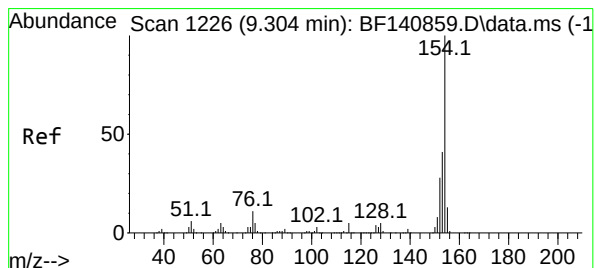
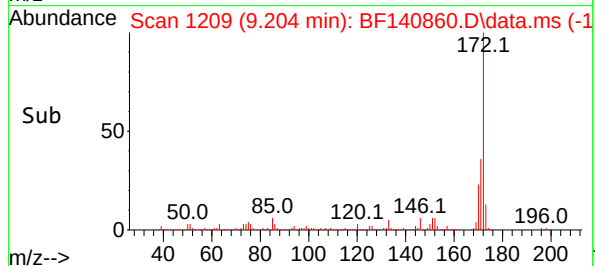
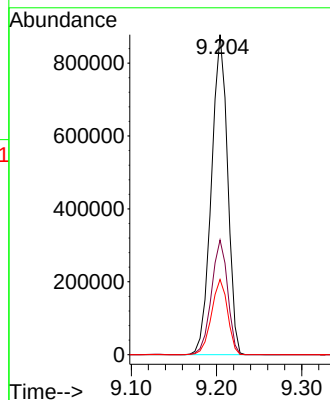
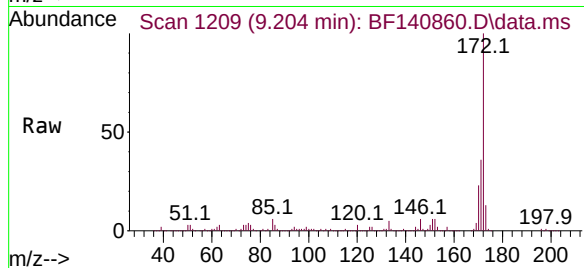
Tgt Ion:172 Resp: 1161315

Ion Ratio Lower Upper

172 100

171 35.8 28.4 42.6

170 23.5 18.6 28.0



#46

1,1'-Biphenyl

Concen: 46.001 ng

RT: 9.304 min Scan# 1226

Delta R.T. -0.000 min

Lab File: BF140860.D

Acq: 16 Dec 2024 15:23

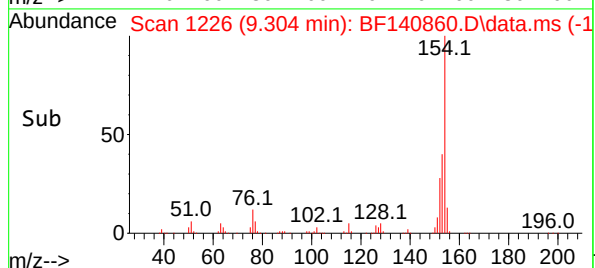
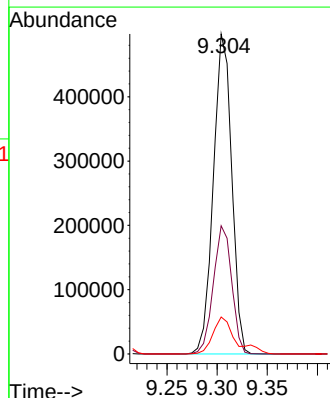
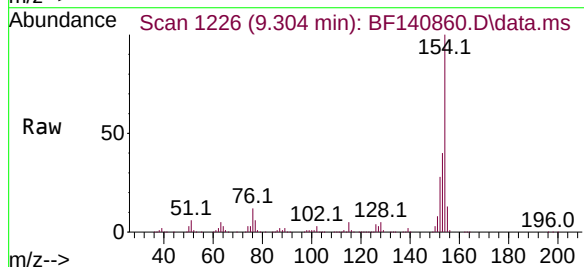
Tgt Ion:154 Resp: 631768

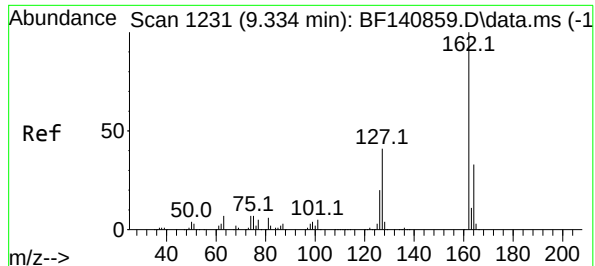
Ion Ratio Lower Upper

154 100

153 40.0 20.8 60.8

76 11.5 0.0 31.0





#47

2-Chloronaphthalene

Concen: 46.194 ng

RT: 9.333 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF140860.D

Acq: 16 Dec 2024 15:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

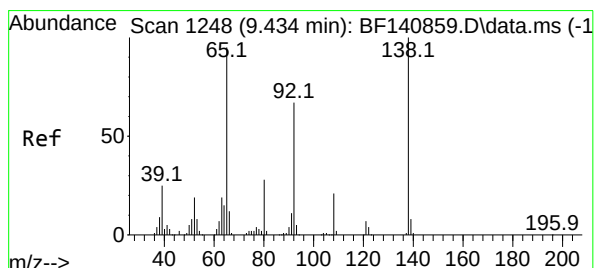
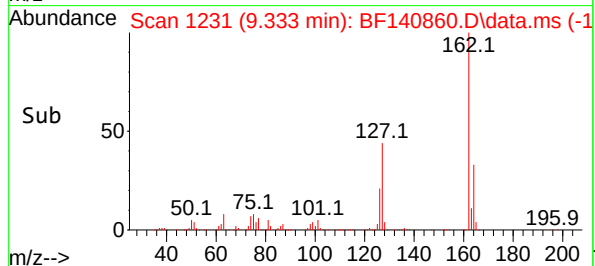
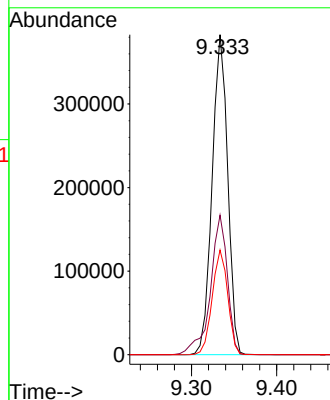
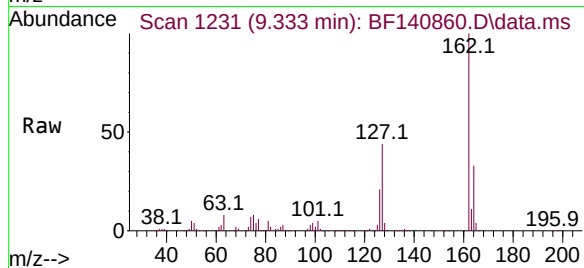
Tgt Ion:162 Resp: 485339

Ion Ratio Lower Upper

162 100

127 43.6 33.5 50.3

164 32.7 26.2 39.2



#48

2-Nitroaniline

Concen: 46.359 ng

RT: 9.439 min Scan# 1249

Delta R.T. 0.006 min

Lab File: BF140860.D

Acq: 16 Dec 2024 15:23

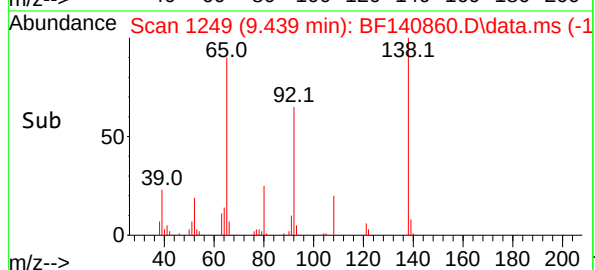
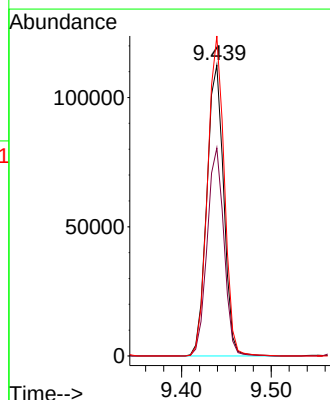
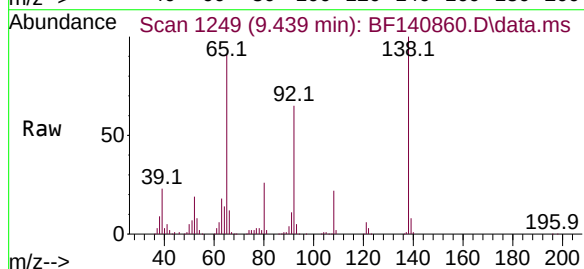
Tgt Ion: 65 Resp: 147104

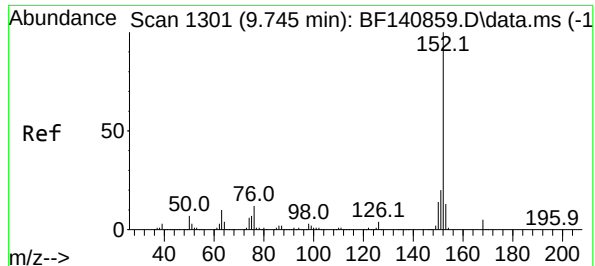
Ion Ratio Lower Upper

65 100

92 71.5 56.3 84.5

138 110.0 83.8 125.6





#49

Acenaphthylene

Concen: 47.437 ng

RT: 9.745 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF140860.D

Acq: 16 Dec 2024 15:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

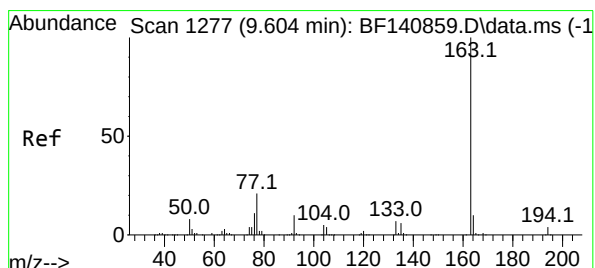
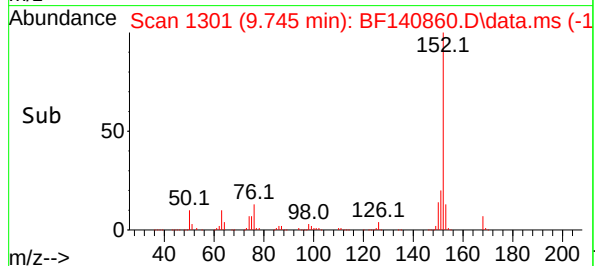
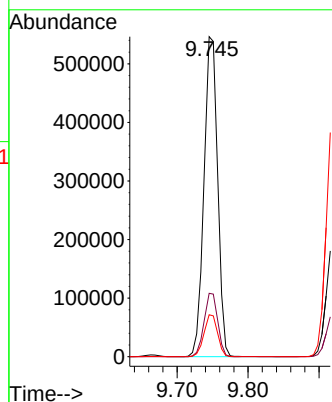
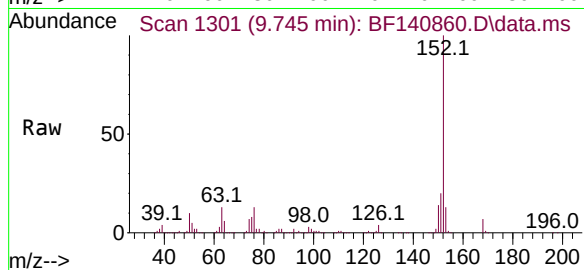
Tgt Ion:152 Resp: 732431

Ion Ratio Lower Upper

152 100

151 19.8 16.0 24.0

153 13.1 10.6 16.0



#50

Dimethylphthalate

Concen: 46.392 ng

RT: 9.610 min Scan# 1278

Delta R.T. 0.006 min

Lab File: BF140860.D

Acq: 16 Dec 2024 15:23

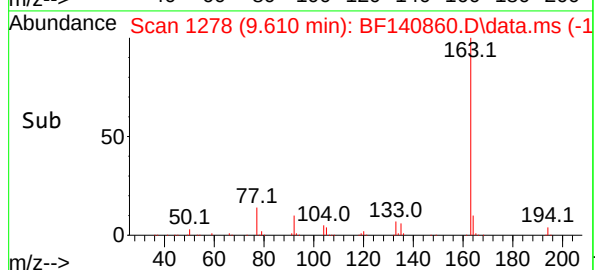
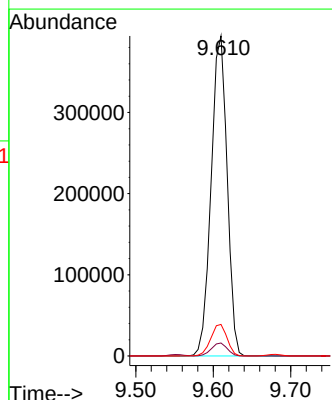
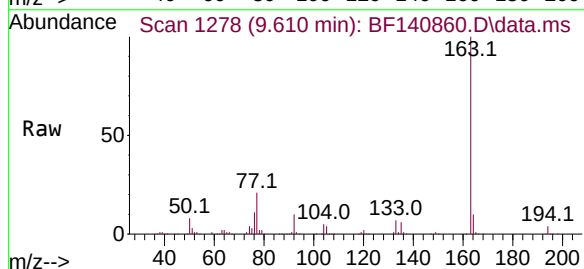
Tgt Ion:163 Resp: 564903

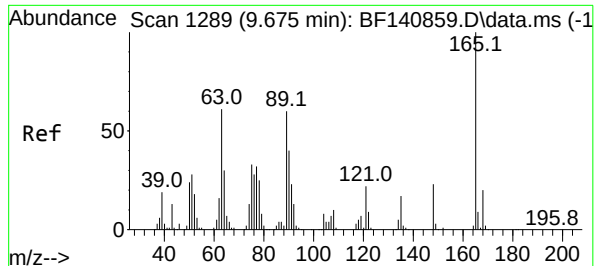
Ion Ratio Lower Upper

163 100

194 4.1 3.1 4.7

164 9.9 8.1 12.1





#51

2,6-Dinitrotoluene

Concen: 47.039 ng

RT: 9.680 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF140860.D

Acq: 16 Dec 2024 15:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

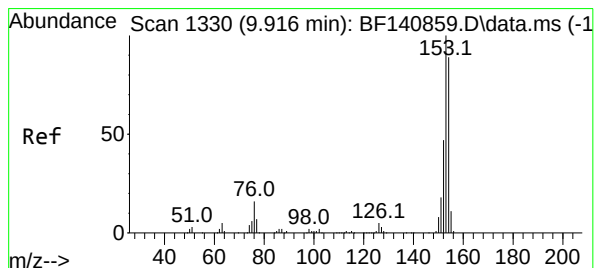
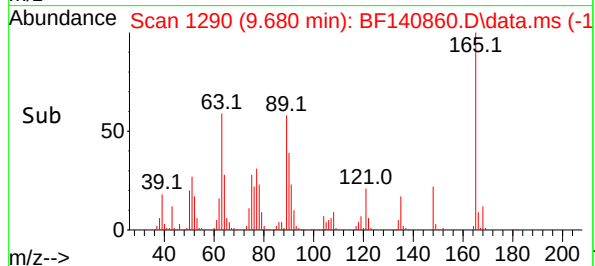
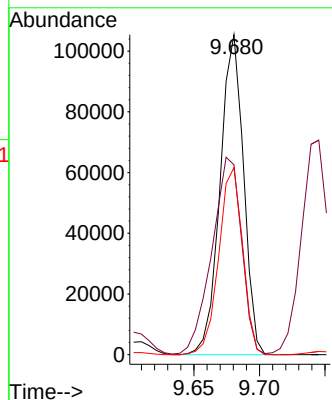
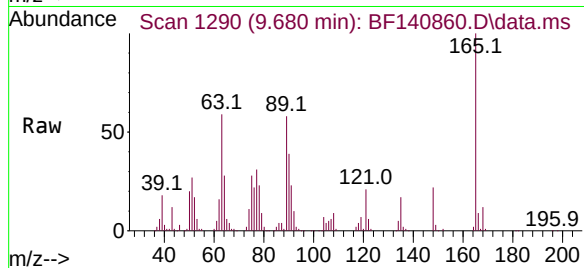
Tgt Ion:165 Resp: 130941

Ion Ratio Lower Upper

165 100

63 59.4 49.7 74.5

89 58.5 48.2 72.4



#52

Acenaphthene

Concen: 48.175 ng

RT: 9.922 min Scan# 1331

Delta R.T. 0.006 min

Lab File: BF140860.D

Acq: 16 Dec 2024 15:23

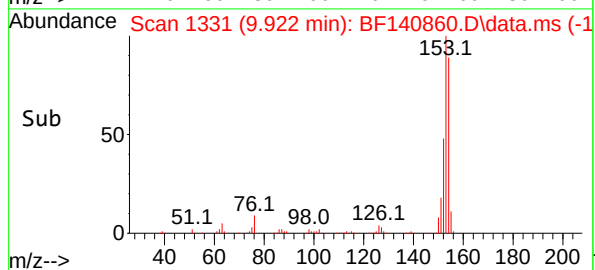
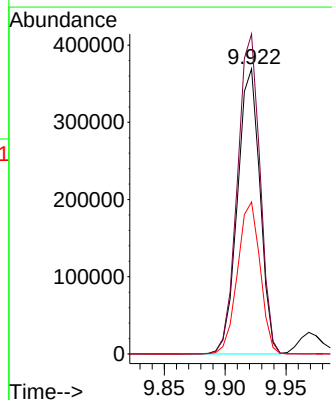
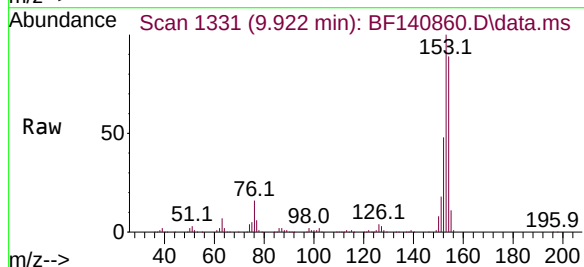
Tgt Ion:154 Resp: 475150

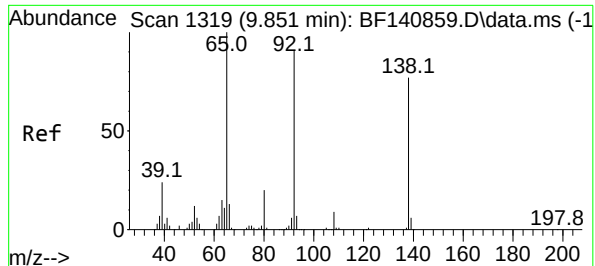
Ion Ratio Lower Upper

154 100

153 112.2 89.9 134.9

152 53.3 42.6 63.8

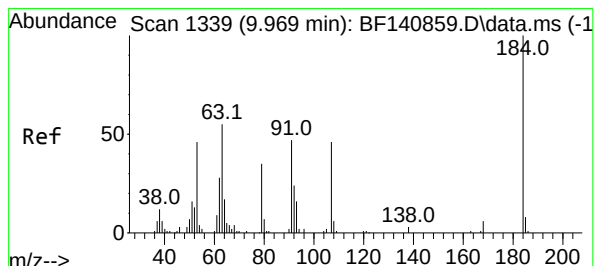
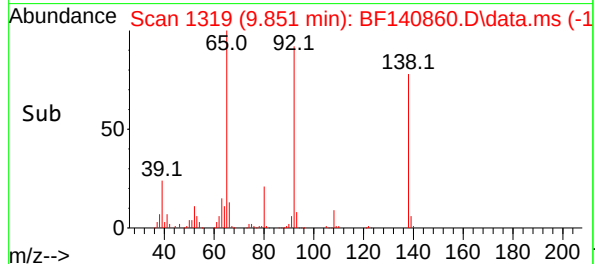
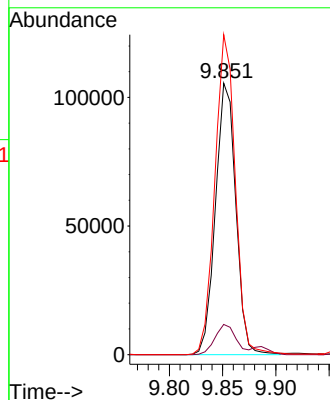
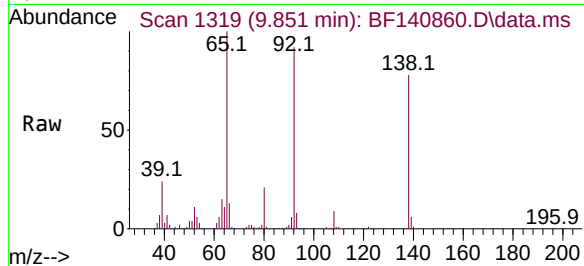




#53
3-Nitroaniline
Concen: 50.732 ng
RT: 9.851 min Scan# 1319
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

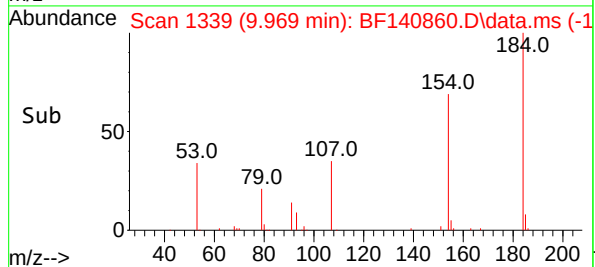
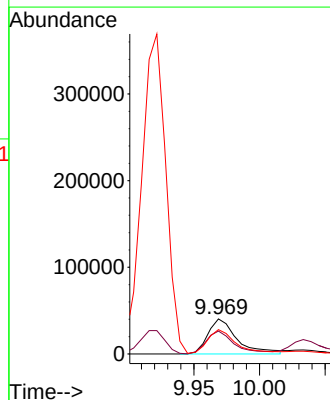
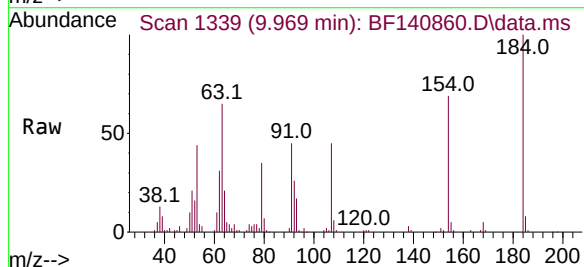
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

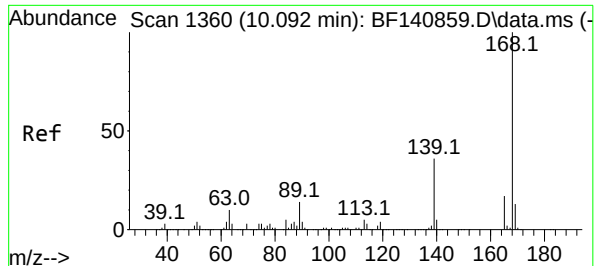
Tgt Ion:138 Resp: 140148
Ion Ratio Lower Upper
138 100
108 11.1 9.0 13.4
92 117.8 95.5 143.3



#54
2,4-Dinitrophenol
Concen: 48.955 ng
RT: 9.969 min Scan# 1339
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

Tgt Ion:184 Resp: 62738
Ion Ratio Lower Upper
184 100
63 65.4 51.6 77.4
154 69.1 56.1 84.1





#55

Dibenzenofuran

Concen: 48.174 ng

RT: 10.092 min Scan# 1360

Delta R.T. -0.000 min

Lab File: BF140860.D

Acq: 16 Dec 2024 15:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

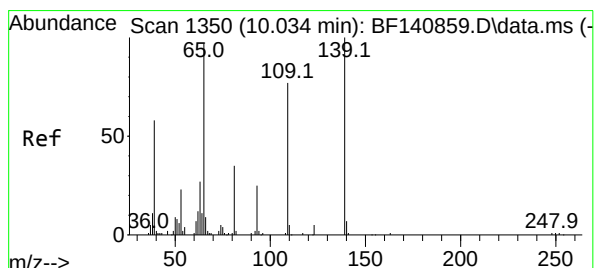
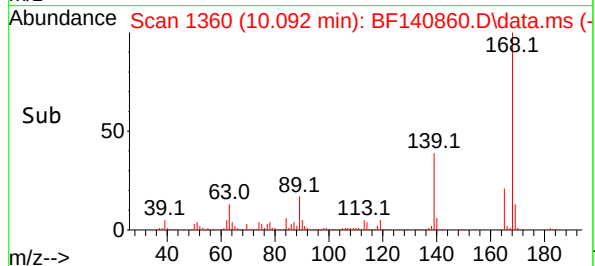
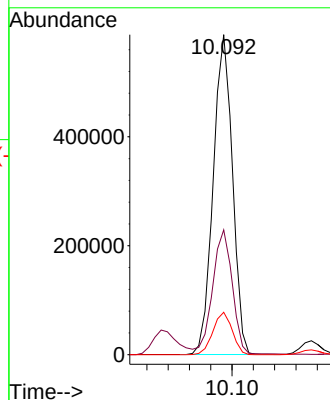
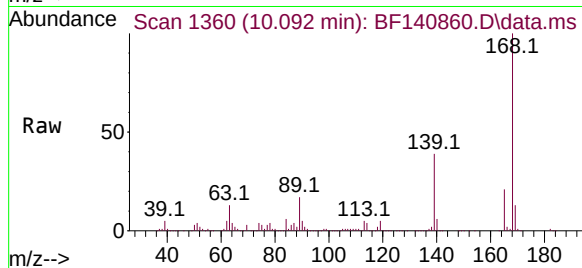
Tgt Ion:168 Resp: 736252

Ion Ratio Lower Upper

168 100

139 39.0 31.1 46.7

169 13.2 10.6 16.0



#56

4-Nitrophenol

Concen: 50.818 ng

RT: 10.033 min Scan# 1350

Delta R.T. -0.001 min

Lab File: BF140860.D

Acq: 16 Dec 2024 15:23

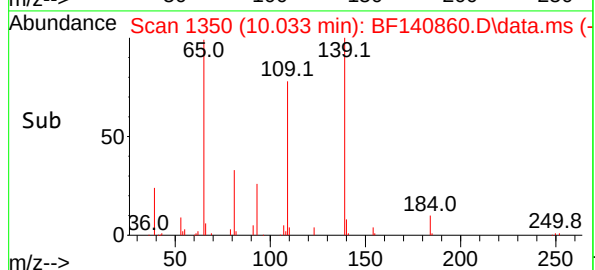
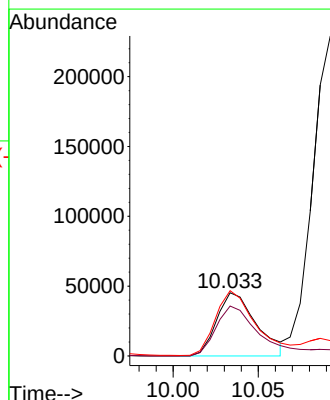
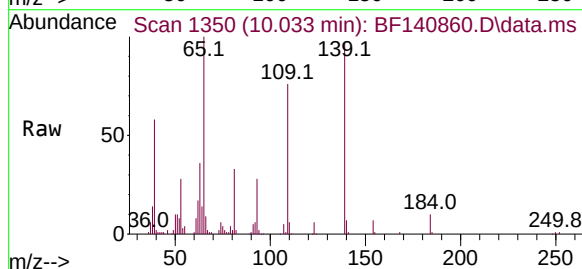
Tgt Ion:139 Resp: 72965

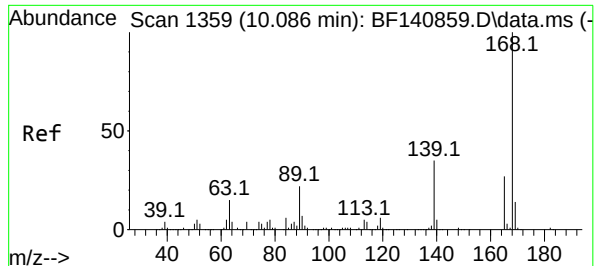
Ion Ratio Lower Upper

139 100

109 78.9 56.7 96.7

65 103.3 78.1 118.1

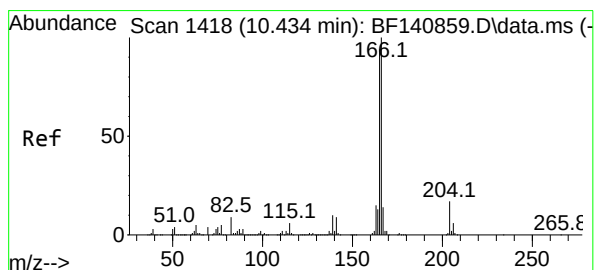
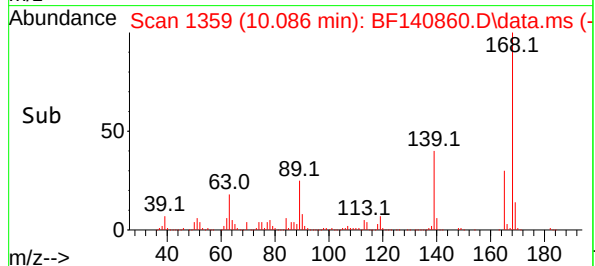
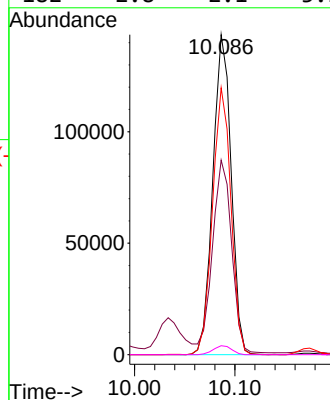
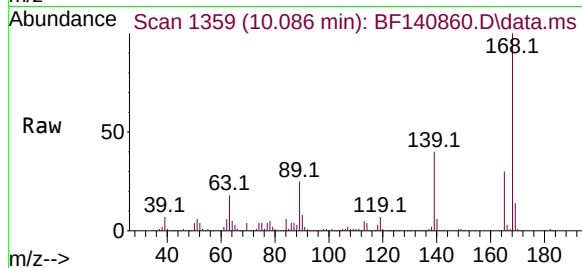




#57
2,4-Dinitrotoluene
Concen: 49.679 ng
RT: 10.086 min Scan# 1359
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

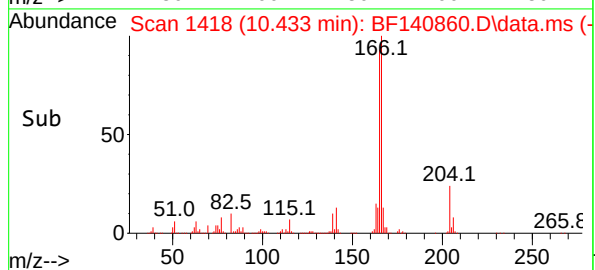
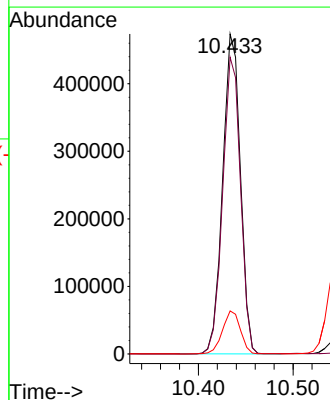
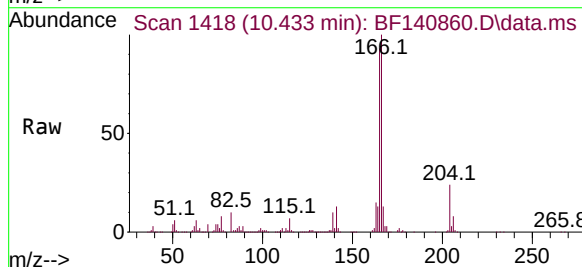
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

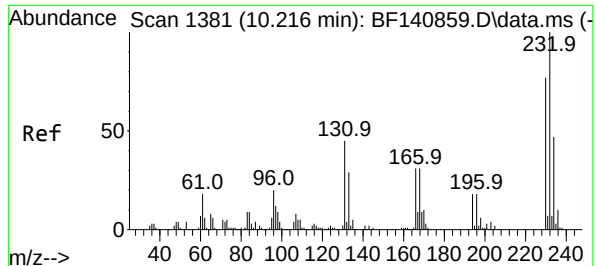
Tgt Ion:165 Resp: 181952
Ion Ratio Lower Upper
165 100
63 60.8 49.3 73.9
89 83.4 66.2 99.4
182 2.8 2.1 3.1



#58
Fluorene
Concen: 48.940 ng
RT: 10.433 min Scan# 1418
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

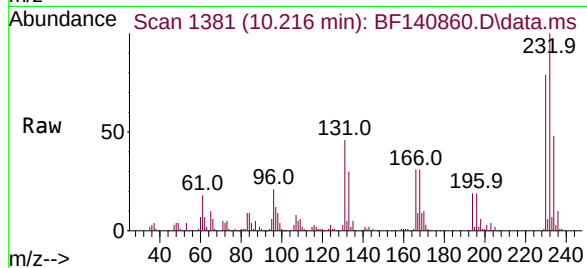
Tgt Ion:166 Resp: 617054
Ion Ratio Lower Upper
166 100
165 92.7 75.1 112.7
167 13.4 11.1 16.7



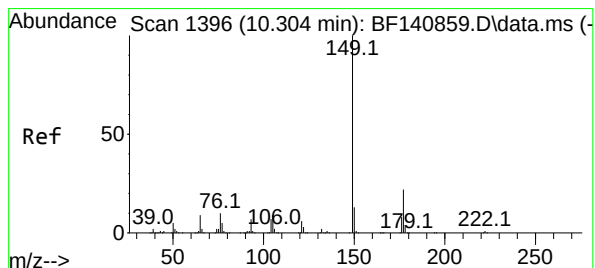
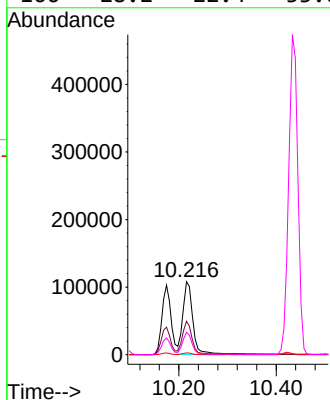
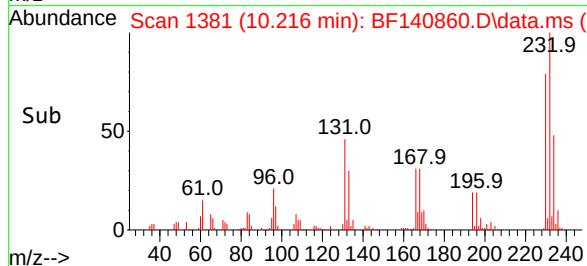


#59
2,3,4,6-Tetrachlorophenol
Concen: 52.784 ng
RT: 10.216 min Scan# 1381
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

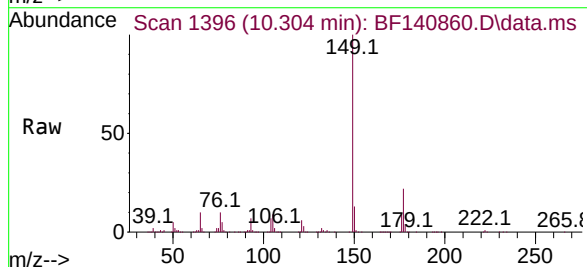
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



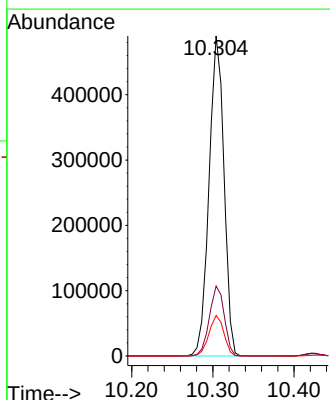
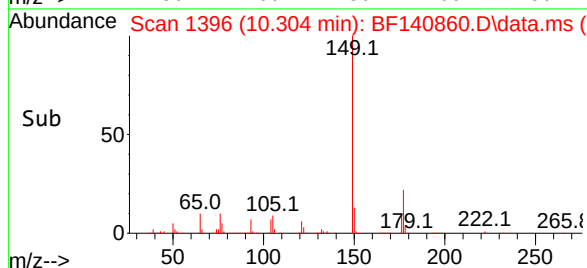
Tgt Ion:232 Resp: 153671
Ion Ratio Lower Upper
232 100
131 44.3 35.1 52.7
130 2.4 1.8 2.8
166 28.2 22.4 33.6

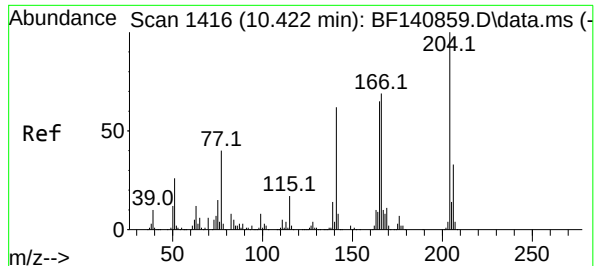


#60
Diethylphthalate
Concen: 49.463 ng
RT: 10.304 min Scan# 1396
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23



Tgt Ion:149 Resp: 624564
Ion Ratio Lower Upper
149 100
177 21.9 17.2 25.8
150 12.7 10.1 15.1

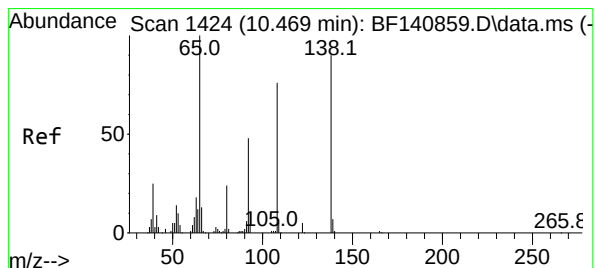
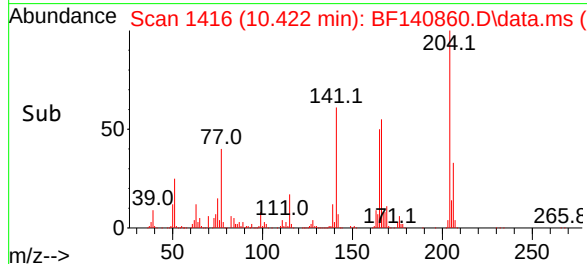
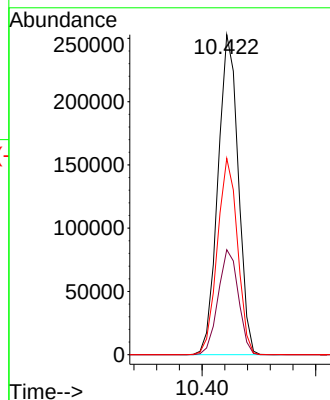
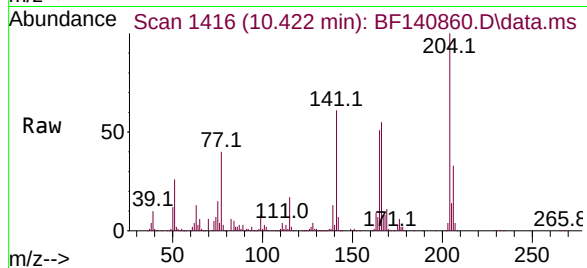




#61
4-Chlorophenyl-phenylether
Concen: 49.574 ng
RT: 10.422 min Scan# 1416
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

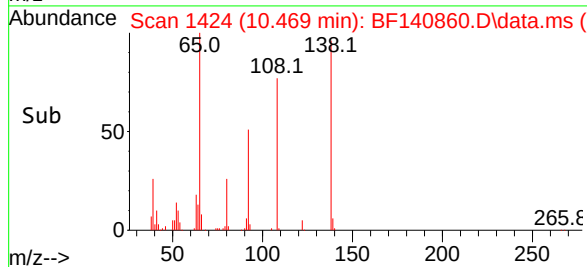
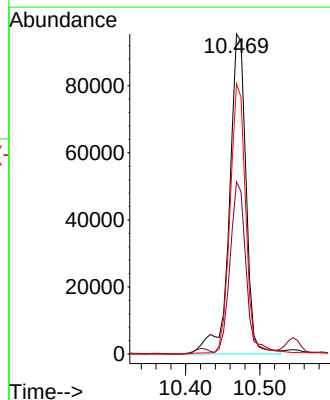
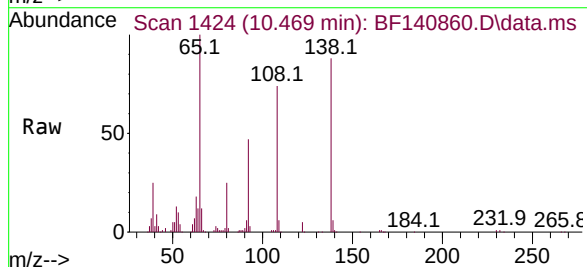
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

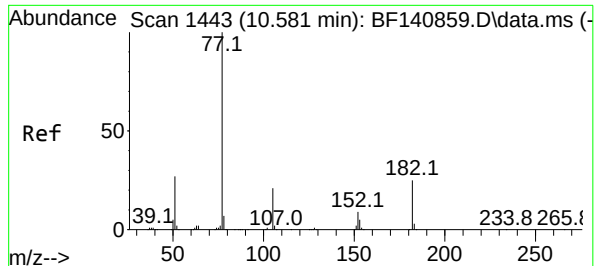
Tgt Ion:204 Resp: 313978
Ion Ratio Lower Upper
204 100
206 32.8 26.5 39.7
141 61.3 50.0 75.0



#62
4-Nitroaniline
Concen: 51.356 ng
RT: 10.469 min Scan# 1424
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

Tgt Ion:138 Resp: 148255
Ion Ratio Lower Upper
138 100
92 53.8 32.6 72.6
108 84.4 64.1 104.1

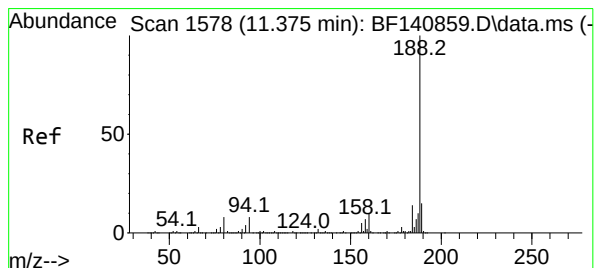
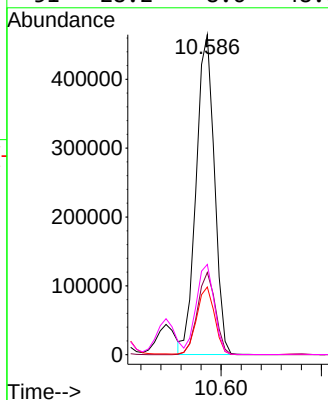
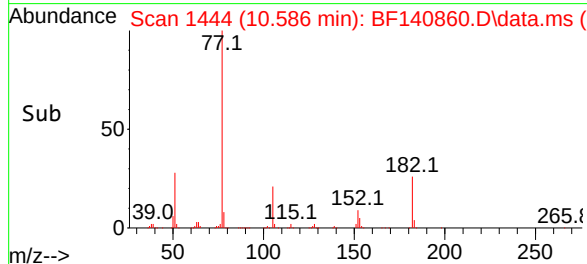
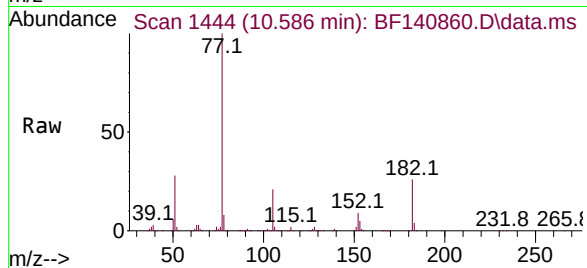




#63
Azobenzene
Concen: 49.412 ng
RT: 10.586 min Scan# 1444
Delta R.T. 0.006 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

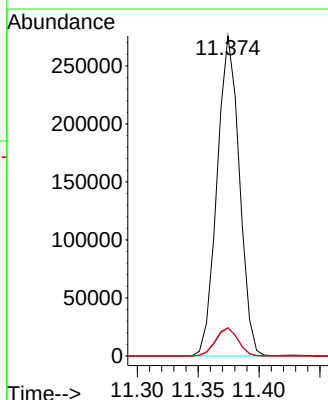
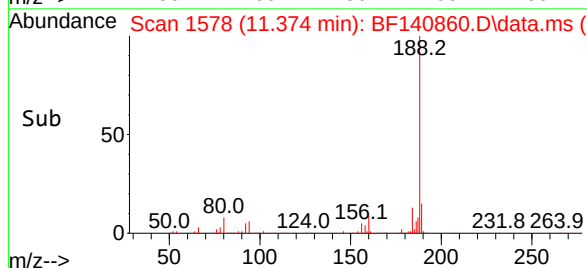
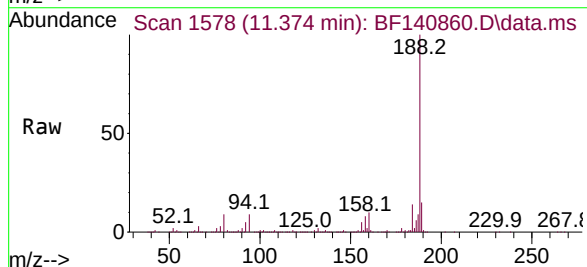
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

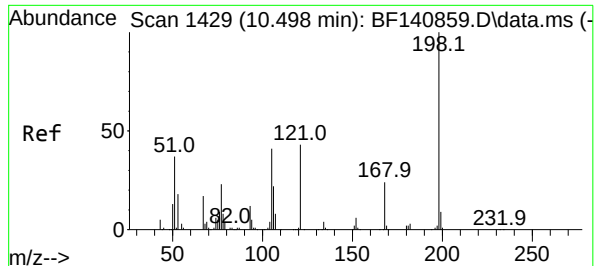
Tgt Ion: 77	Resp: 586556
Ion Ratio	Lower Upper
77 100	
182 25.7	4.5 44.5
105 21.1	0.9 40.9
51 28.2	8.6 48.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 1578
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

Tgt Ion:188	Resp: 351718
Ion Ratio	Lower Upper
188 100	
94 8.8	6.4 9.6
80 8.9	6.8 10.2

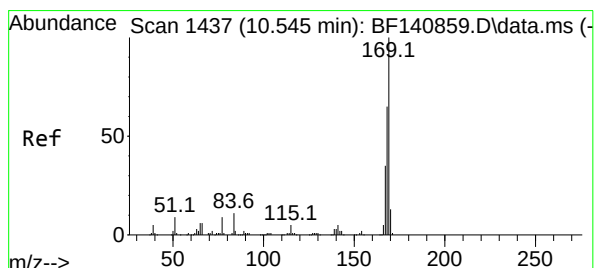
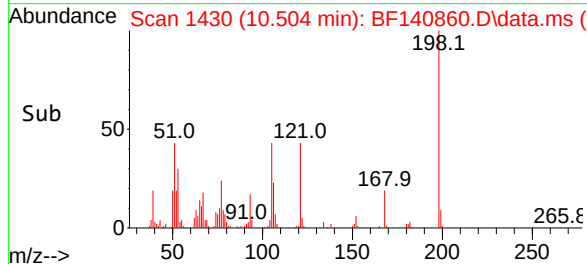
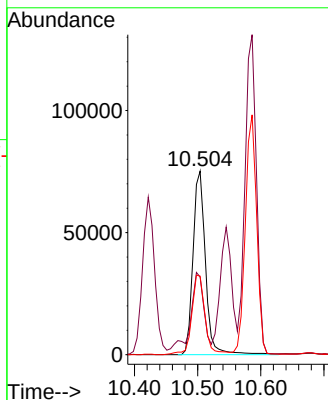
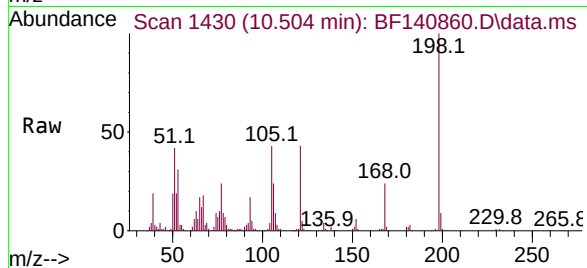




#65
4,6-Dinitro-2-methylphenol
Concen: 51.936 ng
RT: 10.504 min Scan# 1429
Delta R.T. 0.006 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

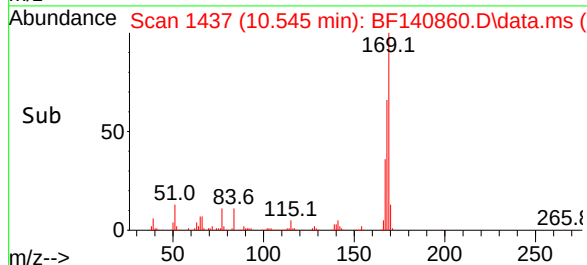
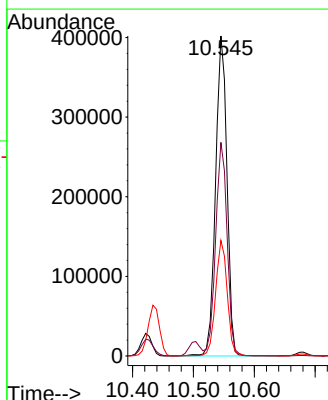
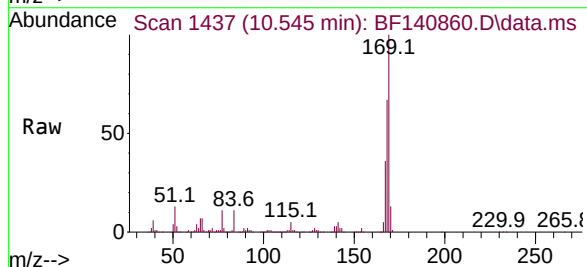
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

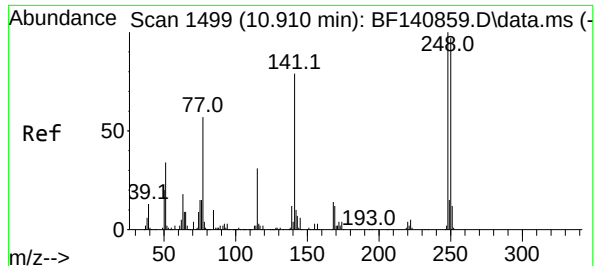
Tgt Ion	Ratio	Lower	Upper
198	100		
51	42.3	24.4	64.4
105	42.8	22.1	62.1



#66
n-Nitrosodiphenylamine
Concen: 48.132 ng
RT: 10.545 min Scan# 1437
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

Tgt Ion	Ratio	Lower	Upper
169	100		
168	66.8	53.4	80.0
167	36.1	28.3	42.5

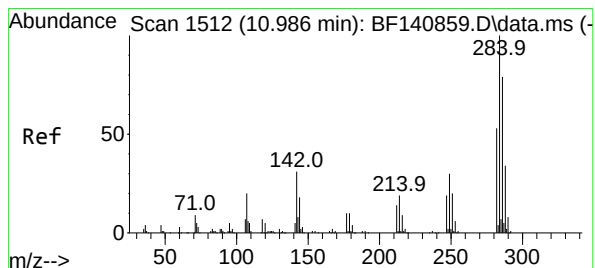
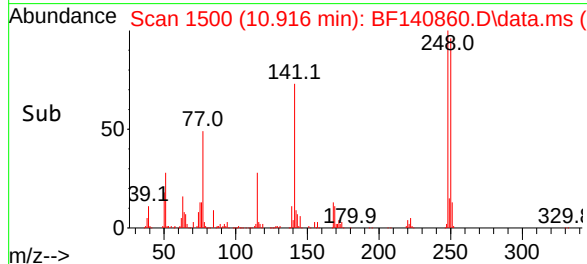
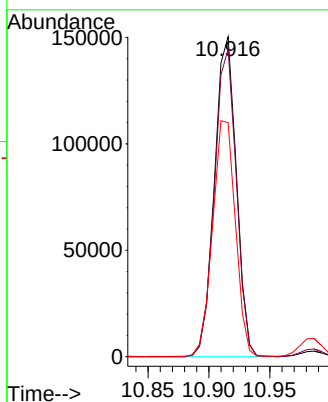
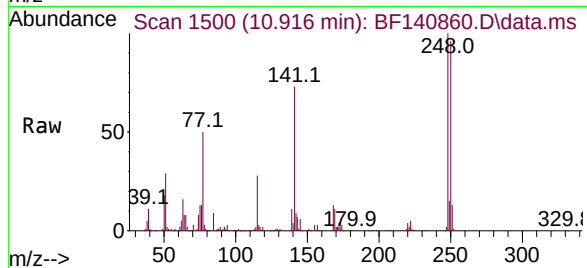




#67
4-Bromophenyl-phenylether
Concen: 47.888 ng
RT: 10.916 min Scan# 1499
Delta R.T. 0.006 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

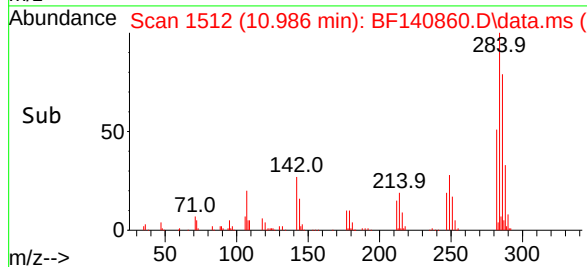
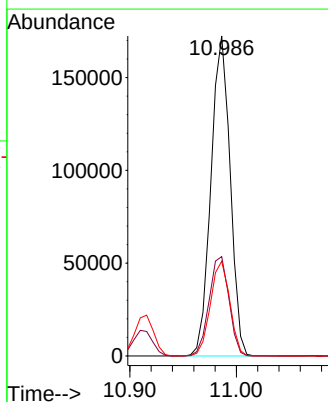
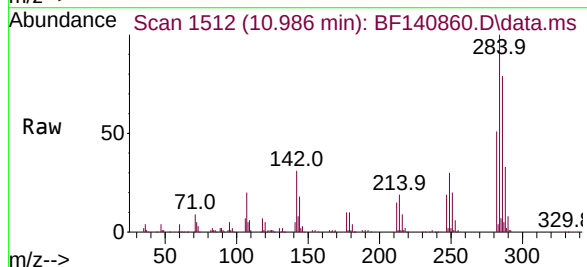
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

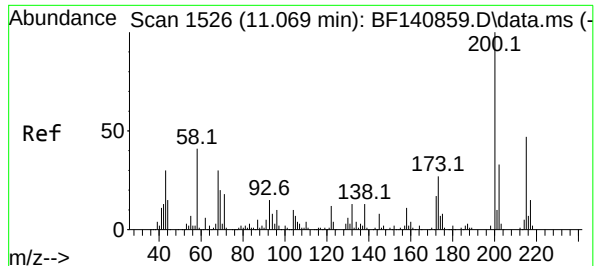
Tgt Ion:248 Resp: 188429
Ion Ratio Lower Upper
248 100
250 96.1 77.4 116.2
141 73.1 62.9 94.3



#68
Hexachlorobenzene
Concen: 48.252 ng
RT: 10.986 min Scan# 1512
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

Tgt Ion:284 Resp: 215259
Ion Ratio Lower Upper
284 100
142 31.0 24.6 36.8
249 29.6 24.3 36.5

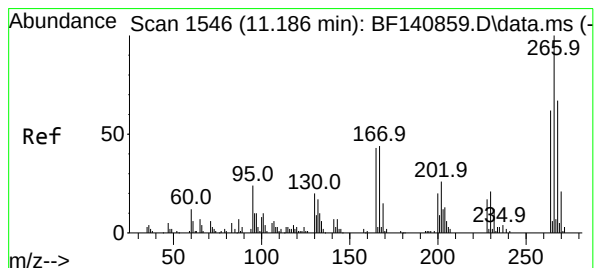
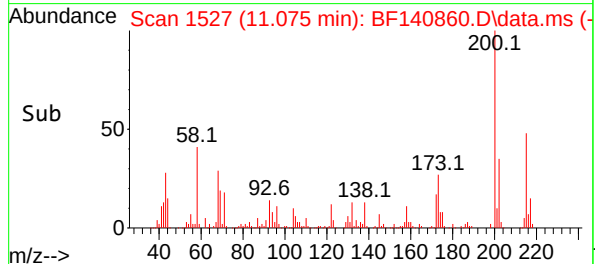
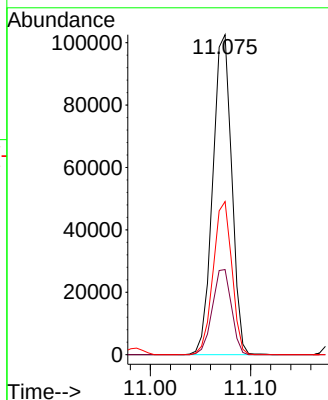
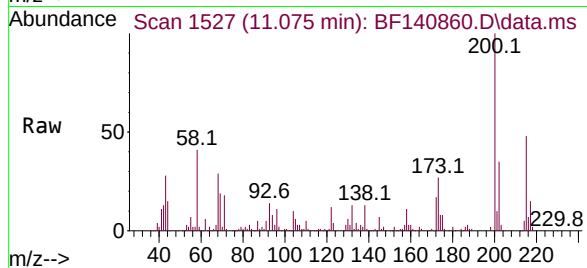




#69
Atrazine
Concen: 44.493 ng
RT: 11.075 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

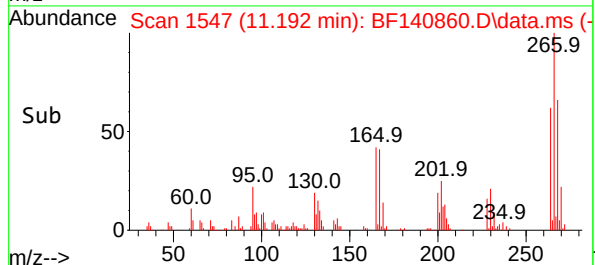
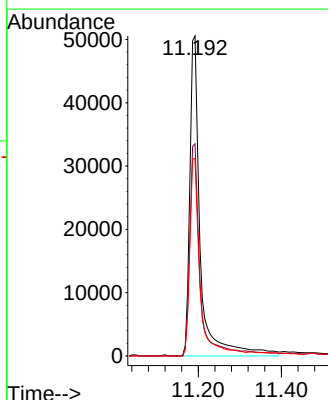
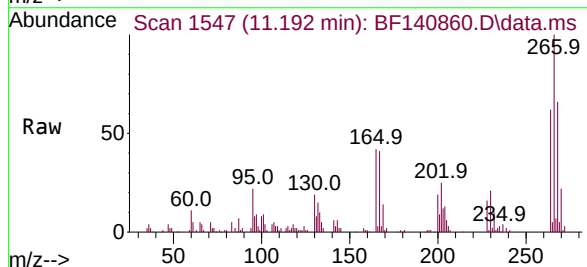
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

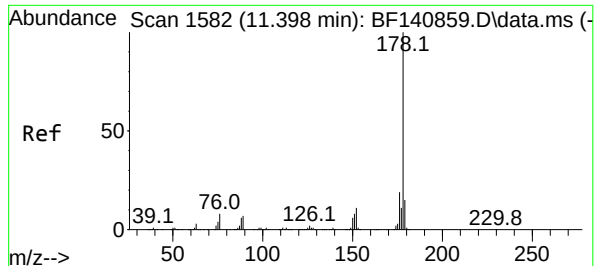
Tgt Ion:200 Resp: 134376
Ion Ratio Lower Upper
200 100
173 26.6 6.6 46.6
215 47.8 26.7 66.7



#70
Pentachlorophenol
Concen: 55.046 ng
RT: 11.192 min Scan# 1547
Delta R.T. 0.006 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

Tgt Ion:266 Resp: 89834
Ion Ratio Lower Upper
266 100
268 66.3 54.0 81.0
264 61.8 49.4 74.2

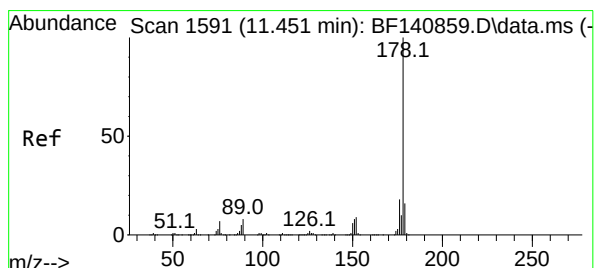
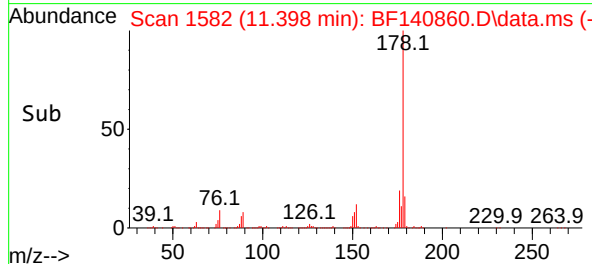
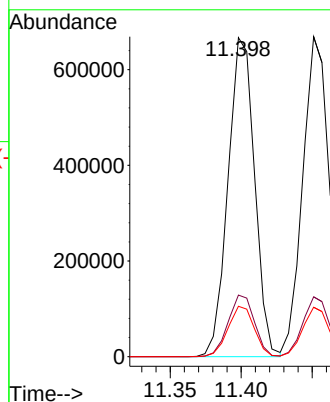
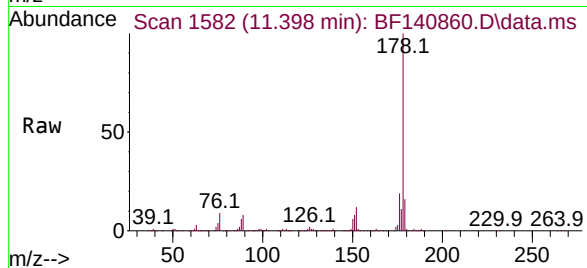




#71
Phenanthrene
Concen: 48.009 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

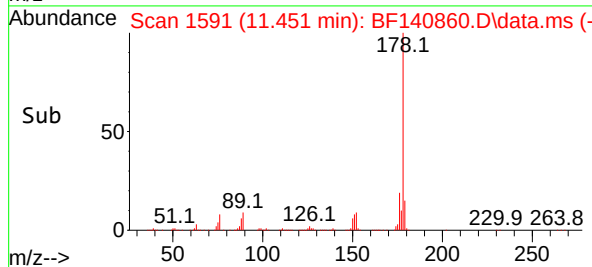
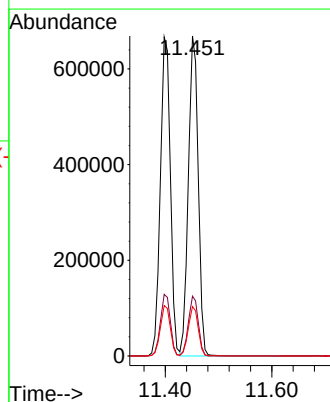
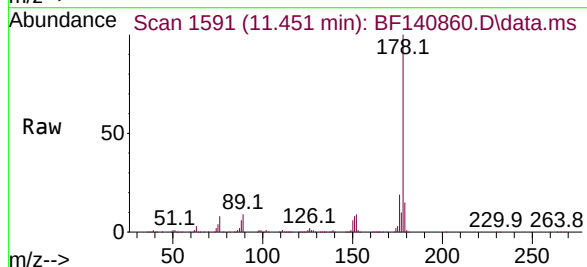
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

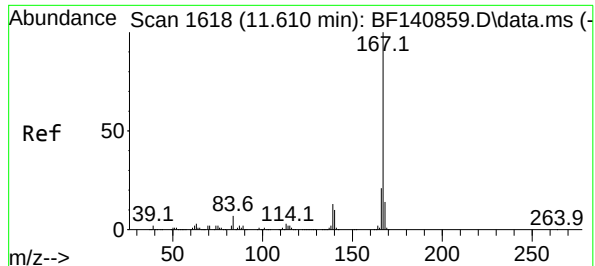
Tgt Ion:178 Resp: 868333
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.2
179 15.8 12.1 18.1



#72
Anthracene
Concen: 48.285 ng
RT: 11.451 min Scan# 1591
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

Tgt Ion:178 Resp: 860045
Ion Ratio Lower Upper
178 100
176 18.7 14.6 22.0
179 15.5 12.6 18.8

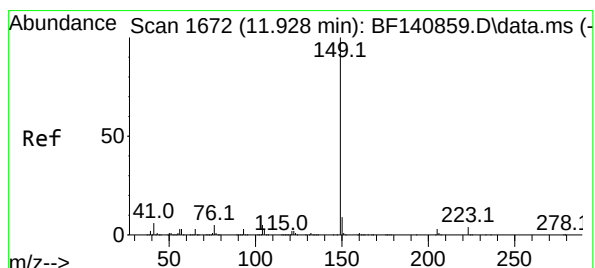
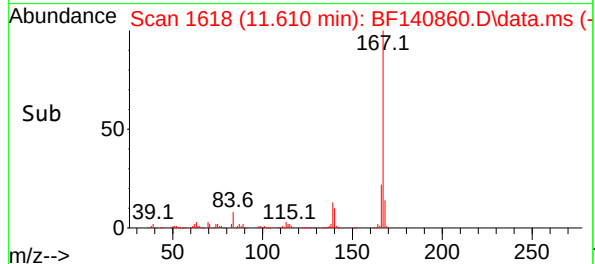
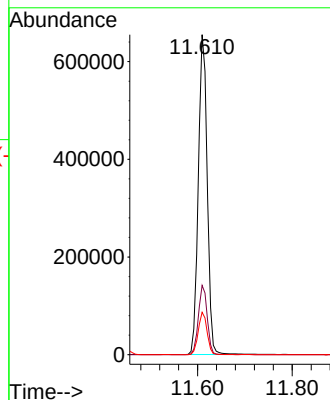
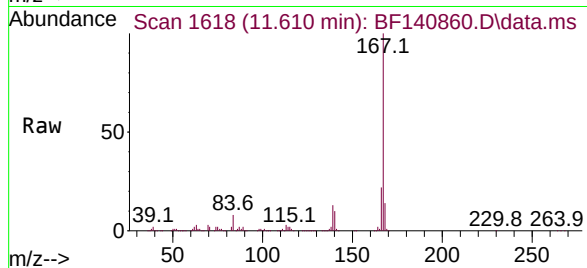




#73
Carbazole
Concen: 48.990 ng
RT: 11.610 min Scan# 1618
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

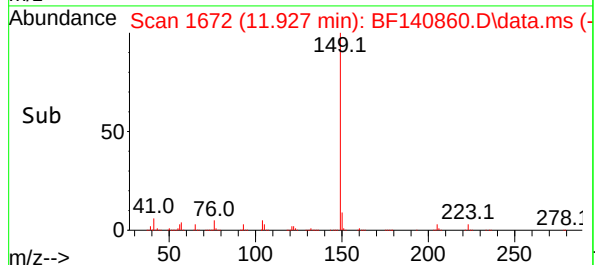
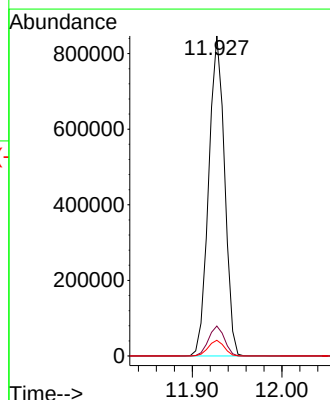
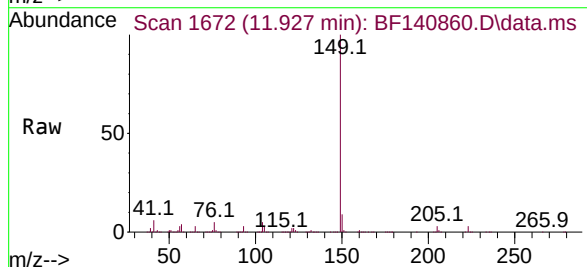
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

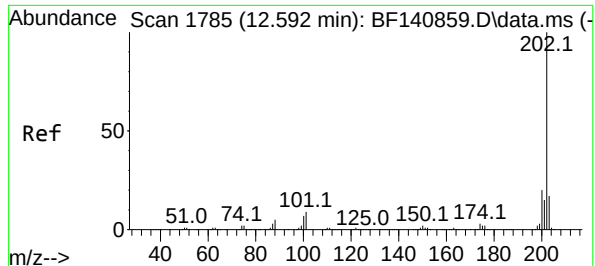
Tgt Ion:167 Resp: 854710
Ion Ratio Lower Upper
167 100
166 21.6 17.0 25.6
139 13.3 10.2 15.2



#74
Di-n-butylphthalate
Concen: 50.870 ng
RT: 11.927 min Scan# 1672
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

Tgt Ion:149 Resp: 1041587
Ion Ratio Lower Upper
149 100
150 9.4 7.5 11.3
104 4.9 3.8 5.8

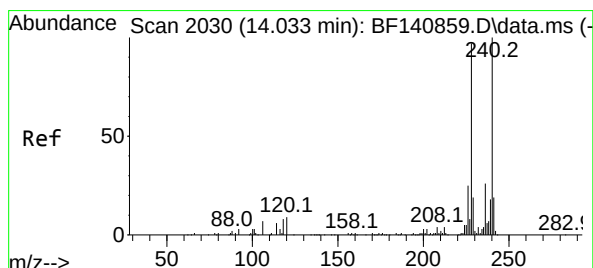
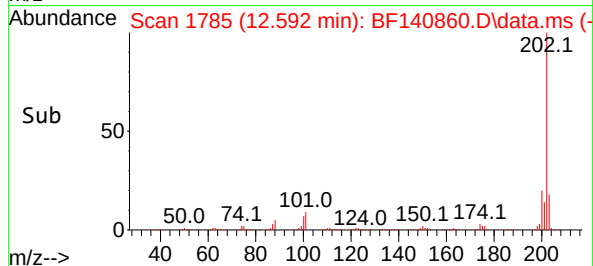
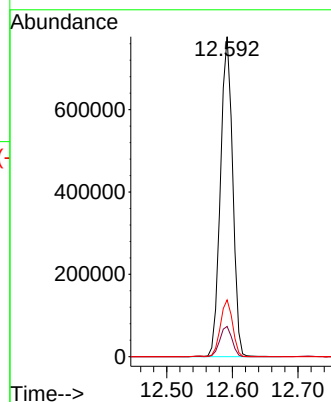
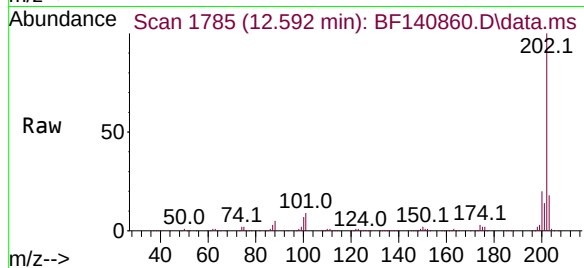




#75
Fluoranthene
Concen: 48.026 ng
RT: 12.592 min Scan# 1785
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

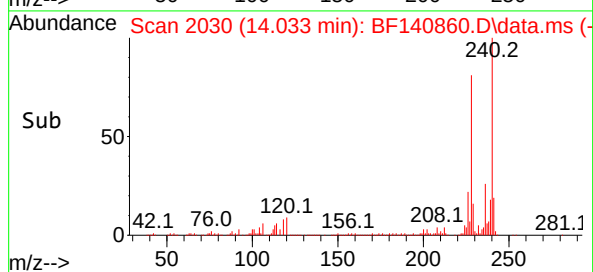
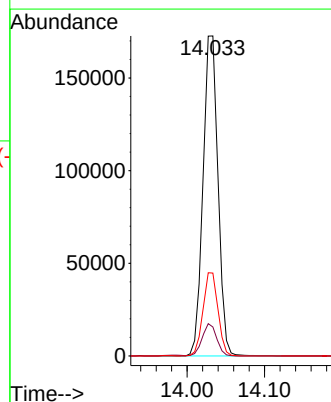
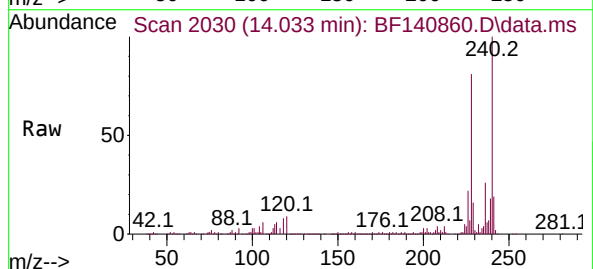
Instrument :
BNA_F
ClientSampleId :
SSTDIC050

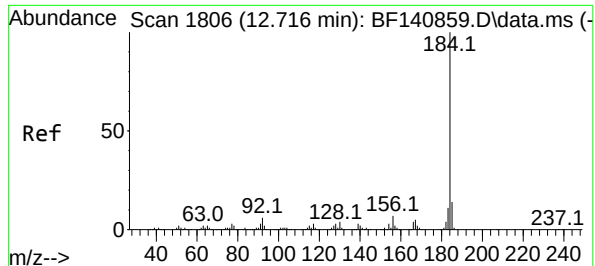
Tgt Ion:202 Resp: 1000374
Ion Ratio Lower Upper
202 100
101 9.5 0.0 29.3
203 17.8 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

Tgt Ion:240 Resp: 231973
Ion Ratio Lower Upper
240 100
120 9.0 7.6 11.4
236 25.9 20.5 30.7

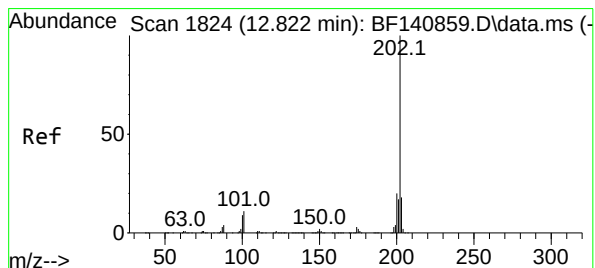
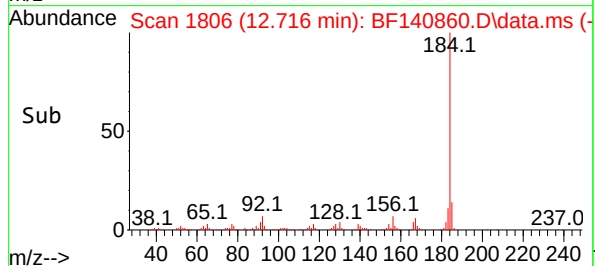
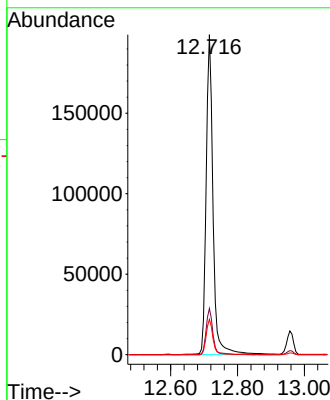
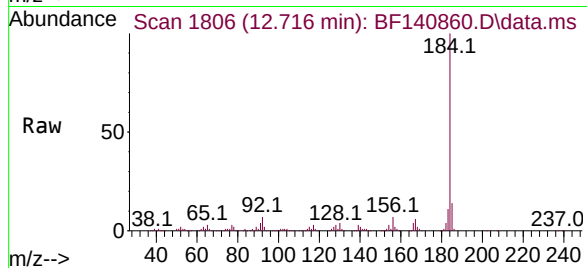




#77
Benzidine
Concen: 60.340 ng
RT: 12.716 min Scan# 1806
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

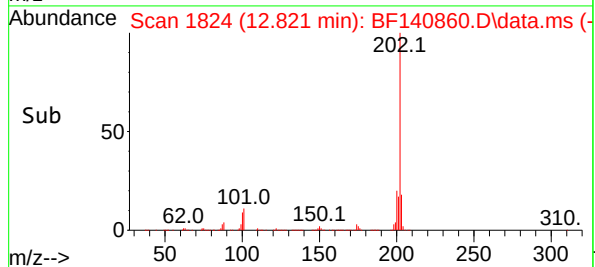
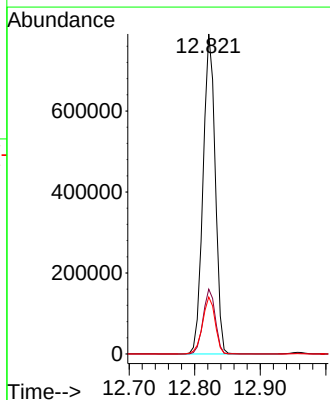
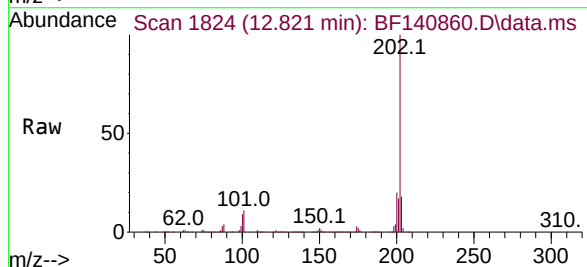
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

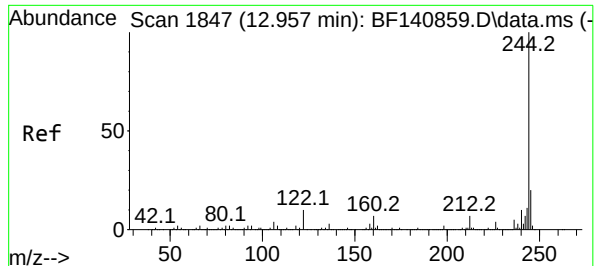
Tgt Ion:184 Resp: 285677
Ion Ratio Lower Upper
184 100
185 14.5 11.1 16.7
183 11.1 9.0 13.4



#78
Pyrene
Concen: 49.516 ng
RT: 12.821 min Scan# 1824
Delta R.T. -0.000 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

Tgt Ion:202 Resp: 1021434
Ion Ratio Lower Upper
202 100
200 20.3 16.1 24.1
203 17.8 14.2 21.4





#79

Terphenyl-d14

Concen: 95.545 ng

RT: 12.957 min Scan# 1847

Delta R.T. -0.000 min

Lab File: BF140860.D

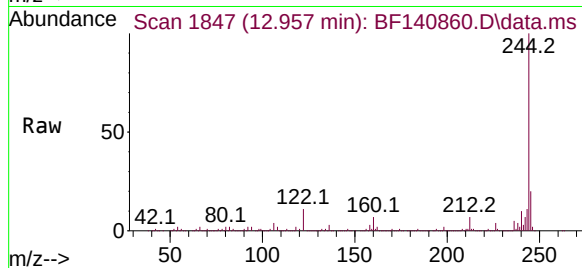
Acq: 16 Dec 2024 15:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC050



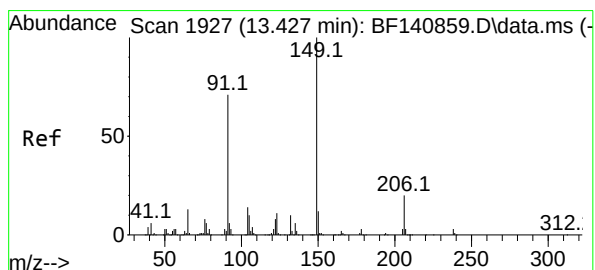
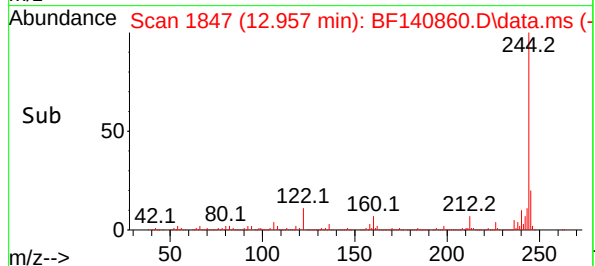
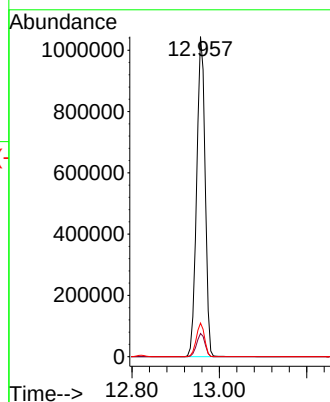
Tgt Ion:244 Resp: 1405567

Ion Ratio Lower Upper

244 100

212 7.3 5.6 8.4

122 10.5 8.2 12.2



#80

Butylbenzylphthalate

Concen: 51.343 ng

RT: 13.427 min Scan# 1927

Delta R.T. -0.000 min

Lab File: BF140860.D

Acq: 16 Dec 2024 15:23

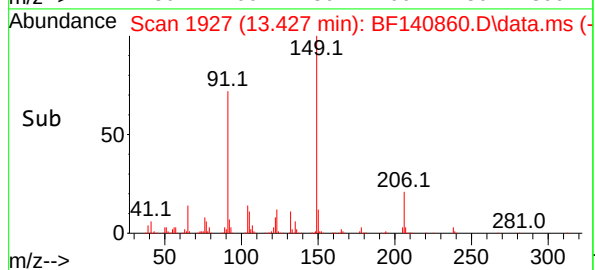
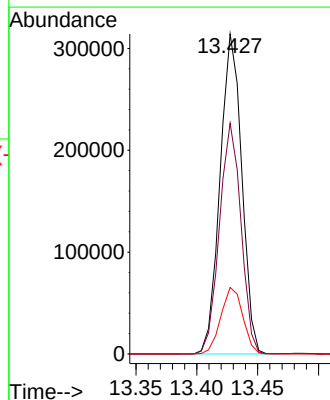
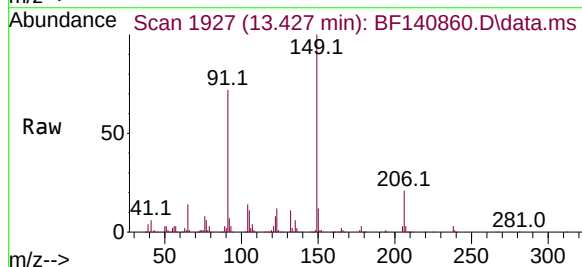
Tgt Ion:149 Resp: 389705

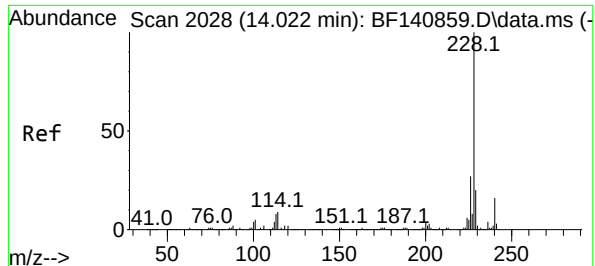
Ion Ratio Lower Upper

149 100

91 72.1 56.7 85.1

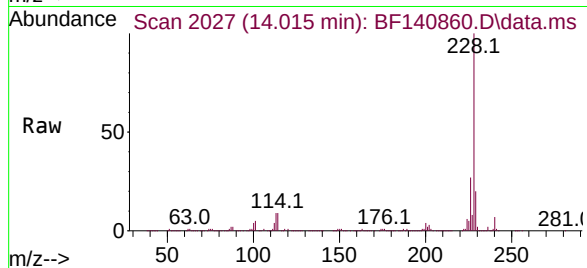
206 20.8 16.4 24.6



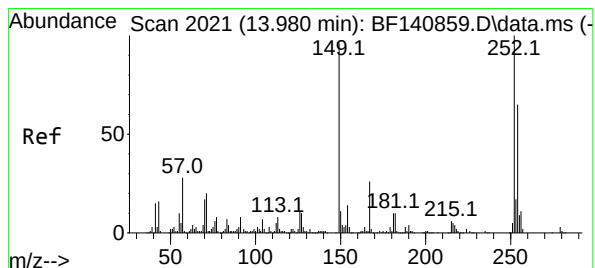
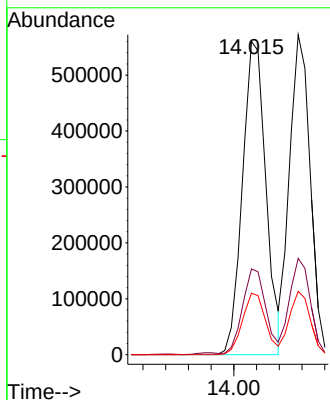
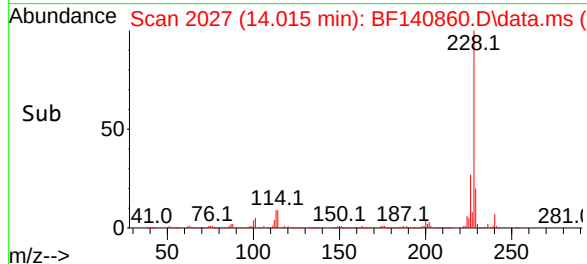


#81
Benzo(a)anthracene
Concen: 48.956 ng
RT: 14.015 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

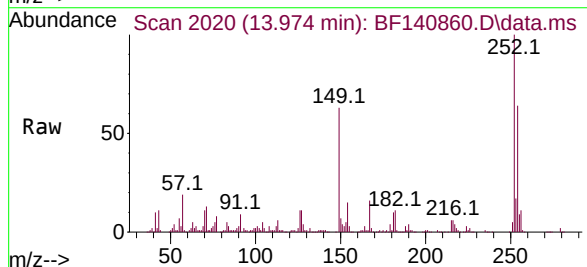
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



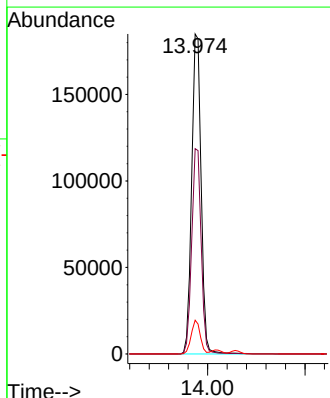
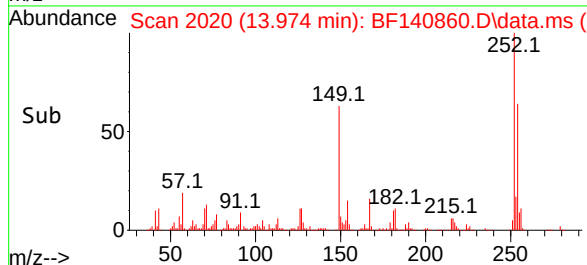
Tgt Ion:228 Resp: 804868
Ion Ratio Lower Upper
228 100
226 27.4 21.8 32.8
229 19.6 15.8 23.8

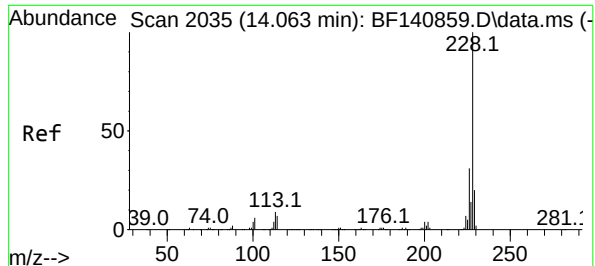


#82
3,3'-Dichlorobenzidine
Concen: 50.470 ng
RT: 13.974 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23



Tgt Ion:252 Resp: 250344
Ion Ratio Lower Upper
252 100
254 64.2 52.3 78.5
126 10.6 8.4 12.6

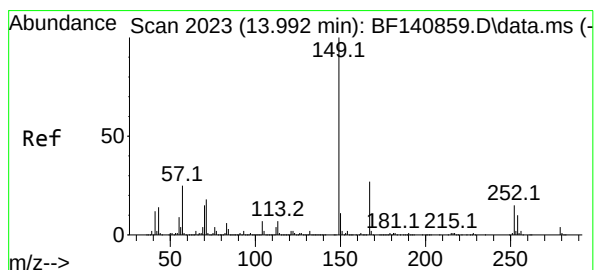
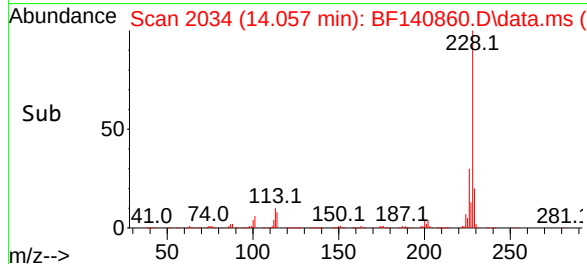
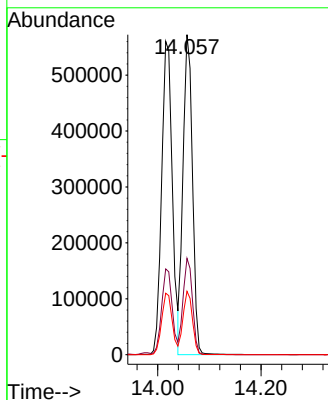
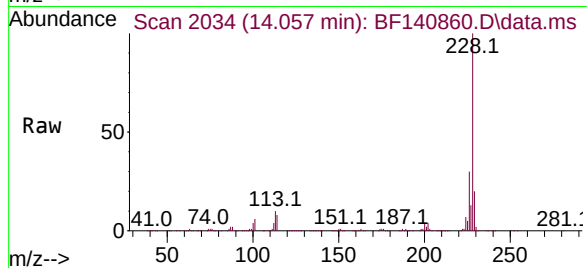




#83
Chrysene
Concen: 48.661 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.006 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

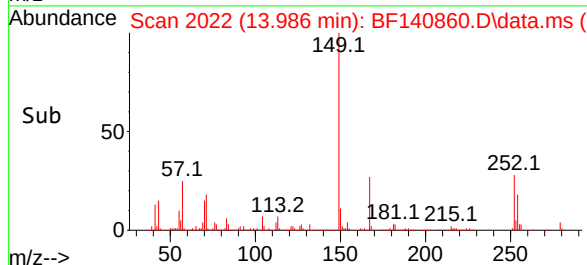
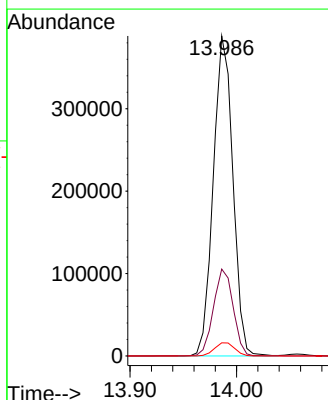
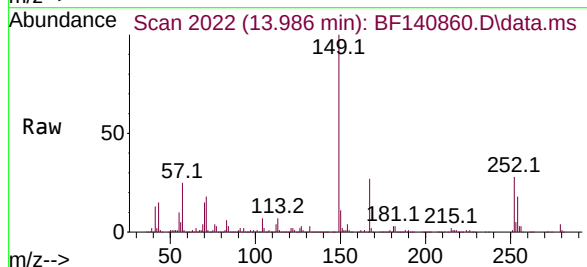
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

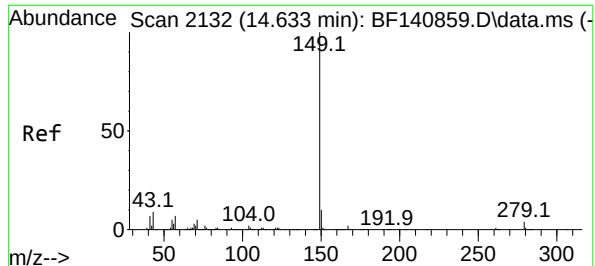
Tgt Ion:228 Resp: 727490
Ion Ratio Lower Upper
228 100
226 30.1 24.1 36.1
229 19.8 16.0 24.0



#84
Bis(2-ethylhexyl)phthalate
Concen: 50.642 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

Tgt Ion:149 Resp: 495633
Ion Ratio Lower Upper
149 100
167 27.1 21.8 32.8
279 4.1 3.5 5.3





#85

Di-n-octyl phthalate

Concen: 52.530 ng

RT: 14.621 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF140860.D

Acq: 16 Dec 2024 15:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

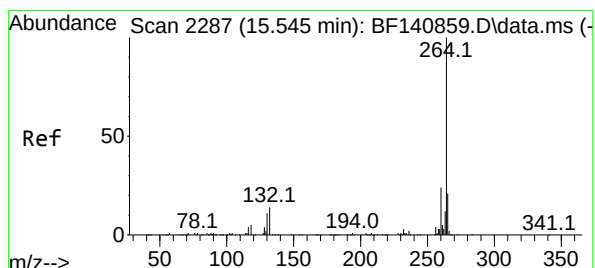
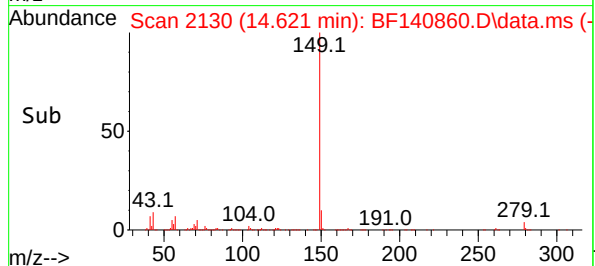
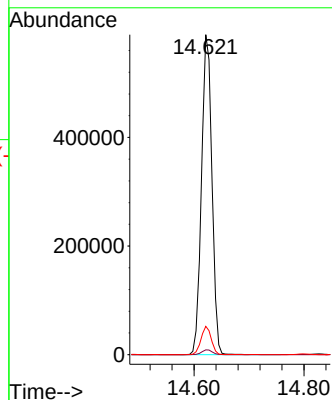
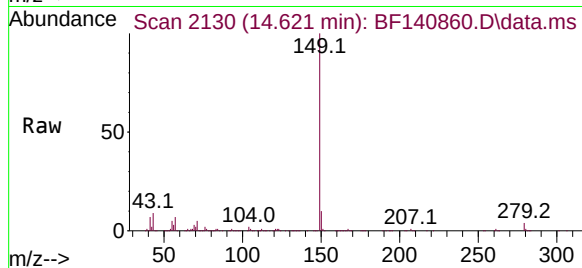
Tgt Ion:149 Resp: 777794

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 8.8 7.0 10.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 2284

Delta R.T. -0.018 min

Lab File: BF140860.D

Acq: 16 Dec 2024 15:23

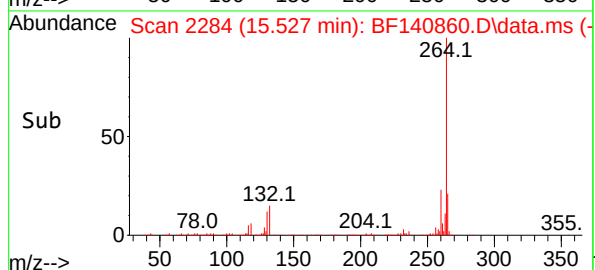
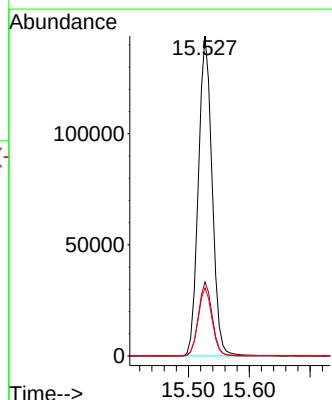
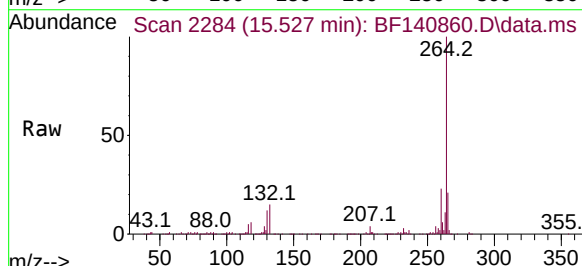
Tgt Ion:264 Resp: 225570

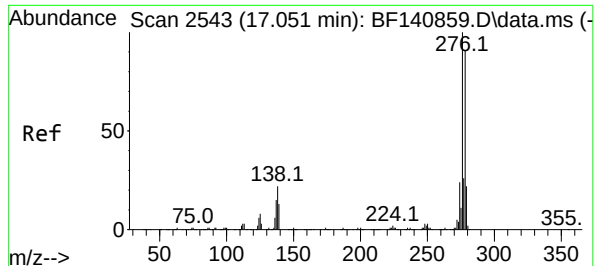
Ion Ratio Lower Upper

264 100

260 23.1 19.1 28.7

265 21.2 17.0 25.4

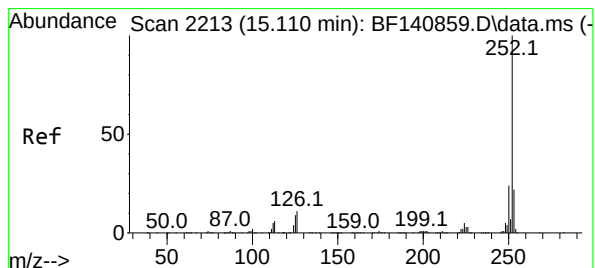
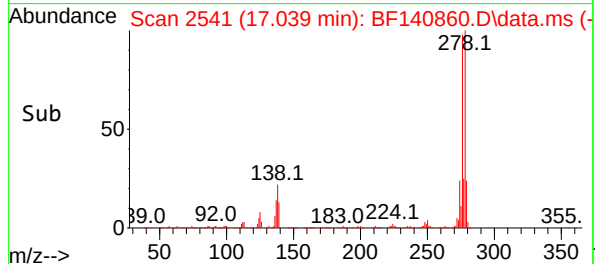
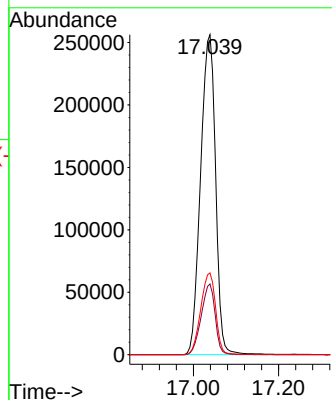
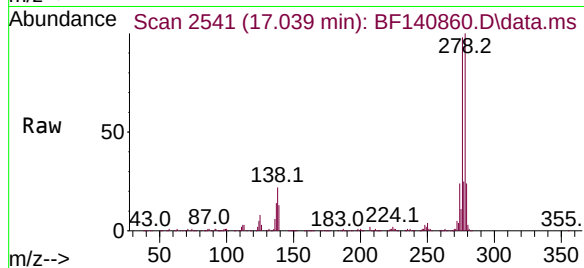




#87
Indeno(1,2,3-cd)pyrene
Concen: 44.446 ng
RT: 17.039 min Scan# 211
Delta R.T. -0.012 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

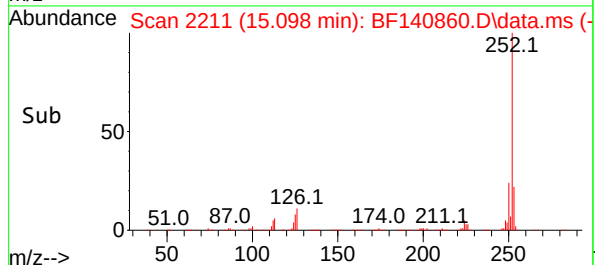
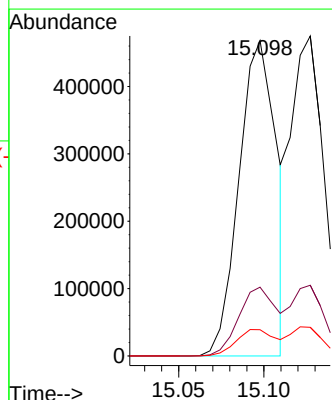
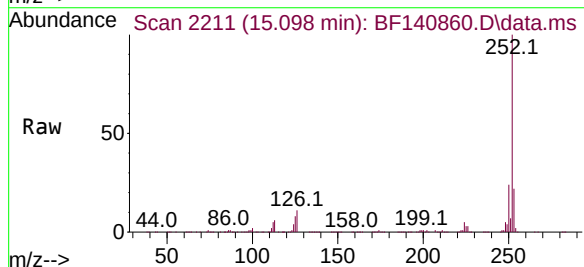
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

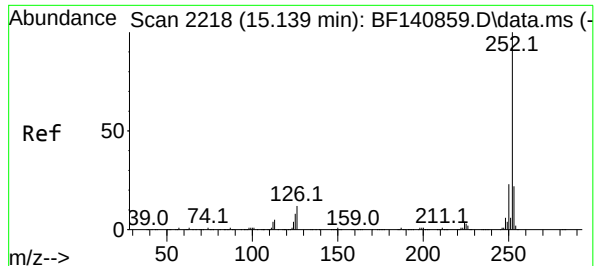
Tgt Ion:276 Resp: 625642
Ion Ratio Lower Upper
276 100
138 20.6 16.9 25.3
277 25.4 20.2 30.4



#88
Benzo(b)fluoranthene
Concen: 45.486 ng
RT: 15.098 min Scan# 2211
Delta R.T. -0.012 min
Lab File: BF140860.D
Acq: 16 Dec 2024 15:23

Tgt Ion:252 Resp: 712222
Ion Ratio Lower Upper
252 100
253 21.8 17.8 26.6
125 8.3 7.0 10.4





#89

Benzo(k)fluoranthene

Concen: 47.959 ng

RT: 15.127 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF140860.D

Acq: 16 Dec 2024 15:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

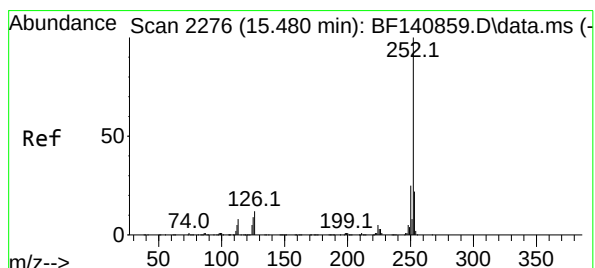
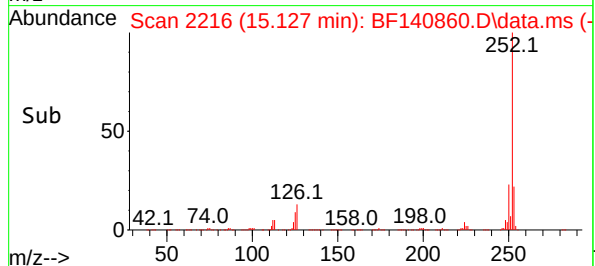
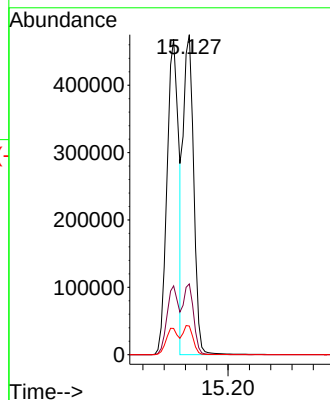
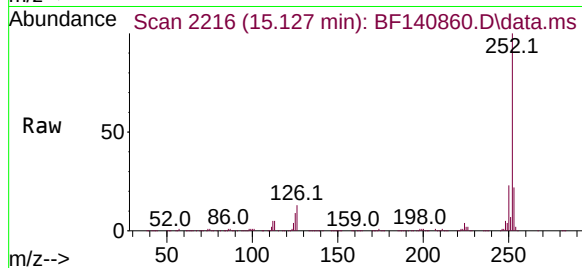
Tgt Ion:252 Resp: 644153

Ion Ratio Lower Upper

252 100

253 22.1 17.5 26.3

125 8.9 6.8 10.2



#90

Benzo(a)pyrene

Concen: 48.554 ng

RT: 15.468 min Scan# 2274

Delta R.T. -0.012 min

Lab File: BF140860.D

Acq: 16 Dec 2024 15:23

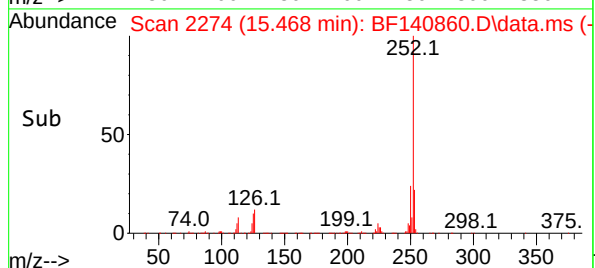
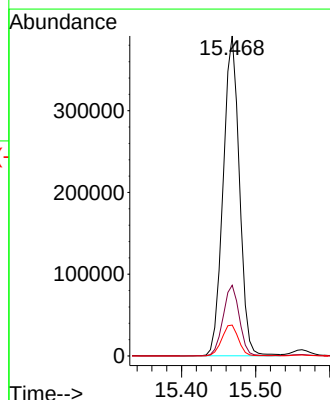
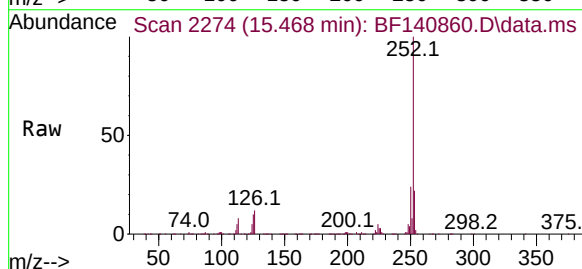
Tgt Ion:252 Resp: 595306

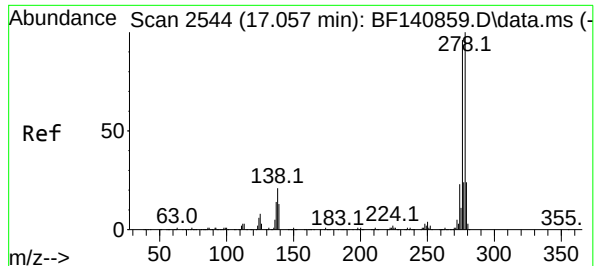
Ion Ratio Lower Upper

252 100

253 22.1 17.5 26.3

125 9.7 7.5 11.3





#91

Dibenzo(a,h)anthracene

Concen: 44.411 ng

RT: 17.039 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF140860.D

Acq: 16 Dec 2024 15:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

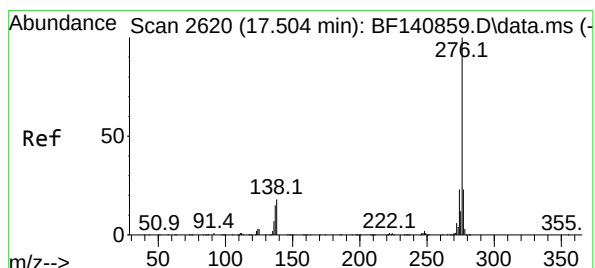
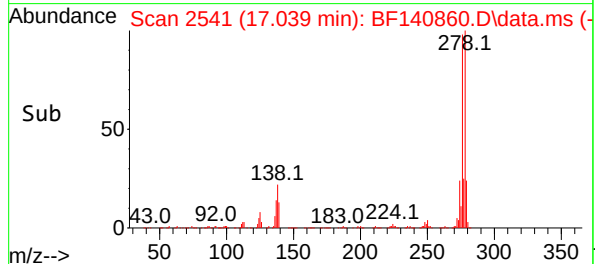
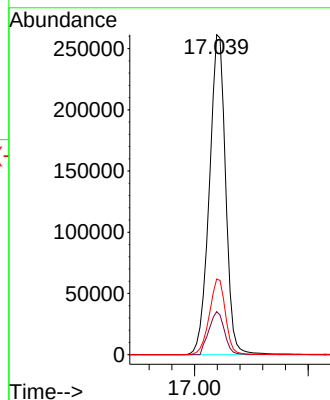
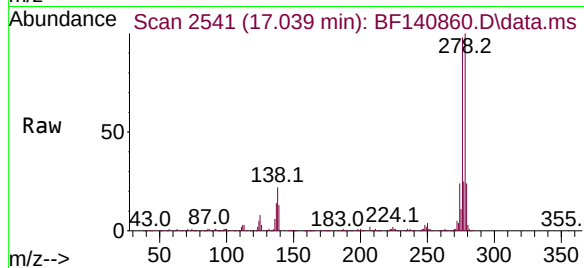
Tgt Ion:278 Resp: 517904

Ion Ratio Lower Upper

278 100

139 13.4 10.6 16.0

279 23.7 19.2 28.8



#92

Benzo(g,h,i)perylene

Concen: 44.846 ng

RT: 17.486 min Scan# 2617

Delta R.T. -0.018 min

Lab File: BF140860.D

Acq: 16 Dec 2024 15:23

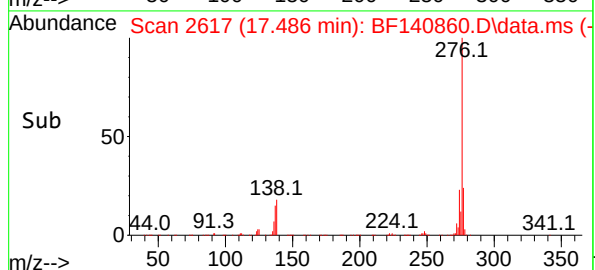
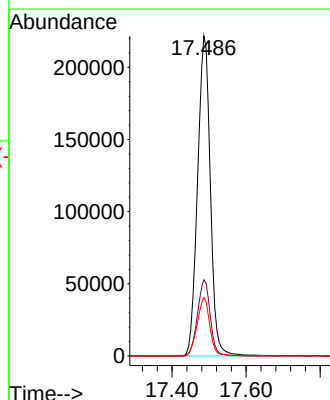
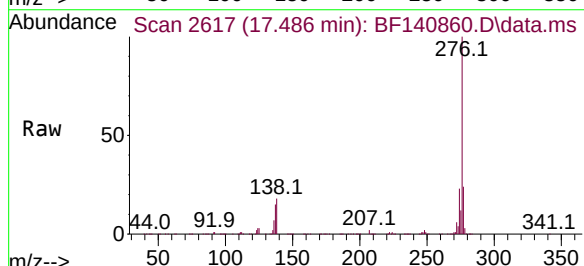
Tgt Ion:276 Resp: 532268

Ion Ratio Lower Upper

276 100

277 23.8 18.7 28.1

138 18.2 14.2 21.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
 Data File : BF140861.D
 Acq On : 16 Dec 2024 15:49
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060

Quant Time: Dec 16 16:51:06 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 16 16:38:27 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	71125	20.000	ng	0.00
21) Naphthalene-d8	8.133	136	259532	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	148549	20.000	ng	0.00
64) Phenanthrene-d10	11.374	188	283911	20.000	ng	0.00
76) Chrysene-d12	14.033	240	189956	20.000	ng	0.00
86) Perylene-d12	15.527	264	161062	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	530122	122.696	ng	0.00
7) Phenol-d6	6.504	99	692405	120.993	ng	0.00
23) Nitrobenzene-d5	7.422	82	646998	124.724	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	216378	123.158	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	1287749	119.184	ng	0.00
79) Terphenyl-d14	12.963	244	1435829	119.191	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.616	88	112534	60.469	ng	99
3) Pyridine	3.398	79	263425	61.121	ng	98
4) n-Nitrosodimethylamine	3.363	42	138309	63.658	ng	100
6) Aniline	6.522	93	292063	59.690	ng	95
8) 2-Chlorophenol	6.645	128	288270	61.183	ng	97
9) Benzaldehyde	6.410	77	170596	53.801	ng	99
10) Phenol	6.516	94	360221	60.734	ng	98
11) bis(2-Chloroethyl)ether	6.592	93	270334	61.117	ng	100
12) 1,3-Dichlorobenzene	6.792	146	326363	60.789	ng	98
13) 1,4-Dichlorobenzene	6.869	146	329906	60.537	ng	100
14) 1,2-Dichlorobenzene	7.022	146	306086	59.529	ng	98
15) Benzyl Alcohol	7.004	79	251539	61.475	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.122	45	307981	59.106	ng	89
17) 2-Methylphenol	7.116	107	227597	60.504	ng	100
18) Hexachloroethane	7.357	117	123680	60.962	ng	98
19) n-Nitroso-di-n-propyla...	7.269	70	202582	59.015	ng	99
20) 3+4-Methylphenols	7.275	107	297926	59.728	ng	93
22) Acetophenone	7.269	105	403586	62.164	ng	98
24) Nitrobenzene	7.439	77	334236	62.893	ng	99
25) Isophorone	7.681	82	544844	62.685	ng	100
26) 2-Nitrophenol	7.751	139	156696	64.020	ng	98
27) 2,4-Dimethylphenol	7.792	122	177170	61.982	ng	97
28) bis(2-Chloroethoxy)met...	7.880	93	332048	61.166	ng	98
29) 2,4-Dichlorophenol	8.004	162	246376	62.432	ng	99
30) 1,2,4-Trichlorobenzene	8.075	180	281649	62.258	ng	100
31) Naphthalene	8.151	128	874776	61.360	ng	100
32) Benzoic acid	7.957	122	184163	67.933	ng	98
33) 4-Chloroaniline	8.210	127	282583	59.681	ng	99
34) Hexachlorobutadiene	8.263	225	185962	61.097	ng	99
35) Caprolactam	8.604	113	71386	60.761	ng	99
36) 4-Chloro-3-methylphenol	8.704	107	266211	59.935	ng	100
37) 2-Methylnaphthalene	8.845	142	559572	59.336	ng	100
38) 1-Methylnaphthalene	8.945	142	550027	58.973	ng	99
40) 1,2,4,5-Tetrachloroben...	9.010	216	277082	60.686	ng	100
41) Hexachlorocyclopentadiene	8.992	237	81340	60.032	ng	99
43) 2,4,6-Trichlorophenol	9.127	196	176148	63.005	ng	98

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 Data File : BF140861.D
 Acq On : 16 Dec 2024 15:49
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060

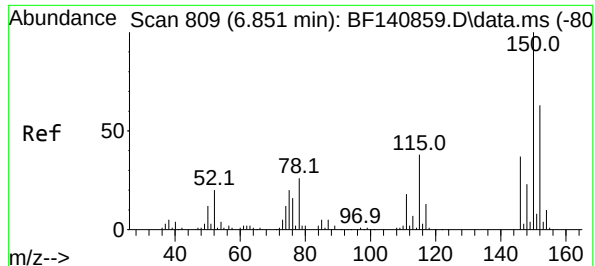
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 16 16:38:27 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.180	196	189802	61.766	ng	99
46) 1,1'-Biphenyl	9.310	154	701999	59.429	ng	99
47) 2-Chloronaphthalene	9.333	162	537602	59.491	ng	98
48) 2-Nitroaniline	9.439	65	168378	61.695	ng	98
49) Acenaphthylene	9.751	152	794616	59.836	ng	100
50) Dimethylphthalate	9.610	163	631578	60.305	ng	99
51) 2,6-Dinitrotoluene	9.680	165	143106	59.771	ng	100
52) Acenaphthene	9.922	154	511499	60.297	ng	100
53) 3-Nitroaniline	9.857	138	144867	60.971	ng	99
54) 2,4-Dinitrophenol	9.969	184	71344	62.619	ng	98
55) Dibenzofuran	10.092	168	778085	59.193	ng	99
56) 4-Nitrophenol	10.033	139	78468	62.429	ng	94
57) 2,4-Dinitrotoluene	10.092	165	189784	60.246	ng	98
58) Fluorene	10.439	166	634898	58.546	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.216	232	158455	63.281	ng	99
60) Diethylphthalate	10.304	149	651190	59.961	ng	100
61) 4-Chlorophenyl-phenyle...	10.422	204	324333	59.539	ng	100
62) 4-Nitroaniline	10.474	138	150990	60.812	ng	98
63) Azobenzene	10.586	77	594674	58.245	ng	99
65) 4,6-Dinitro-2-methylph...	10.504	198	109821	68.263	ng	97
66) n-Nitrosodiphenylamine	10.551	169	532978	61.058	ng	99
67) 4-Bromophenyl-phenylether	10.916	248	196628	61.907	ng	97
68) Hexachlorobenzene	10.986	284	219687	61.005	ng	98
69) Atrazine	11.074	200	134000	54.965	ng	99
70) Pentachlorophenol	11.192	266	90656	68.816	ng	99
71) Phenanthrene	11.404	178	863112	59.118	ng	99
72) Anthracene	11.457	178	851368	59.213	ng	99
73) Carbazole	11.610	167	826415	58.682	ng	99
74) Di-n-butylphthalate	11.927	149	1009898	61.102	ng	99
75) Fluoranthene	12.592	202	1000773	59.520	ng	100
77) Benzidine	12.715	184	258833	66.762	ng	99
78) Pyrene	12.821	202	1008093	59.679	ng	100
80) Butylbenzylphthalate	13.427	149	387906	62.410	ng	99
81) Benzo(a)anthracene	14.021	228	808026	60.019	ng	99
82) 3,3'-Dichlorobenzidine	13.980	252	254358	62.622	ng	97
83) Chrysene	14.062	228	731004	59.712	ng	100
84) Bis(2-ethylhexyl)phtha...	13.986	149	507221	63.289	ng	99
85) Di-n-octyl phthalate	14.627	149	754409	62.220	ng	99
87) Indeno(1,2,3-cd)pyrene	17.045	276	642591	63.934	ng	100
88) Benzo(b)fluoranthene	15.098	252	696582	62.306	ng	99
89) Benzo(k)fluoranthene	15.127	252	571329	59.574	ng	99
90) Benzo(a)pyrene	15.474	252	542075	61.920	ng	99
91) Dibenzo(a,h)anthracene	17.050	278	539476	64.789	ng	98
92) Benzo(g,h,i)perylene	17.498	276	530525	62.602	ng	99

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

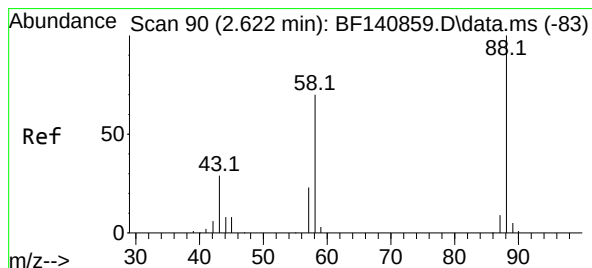
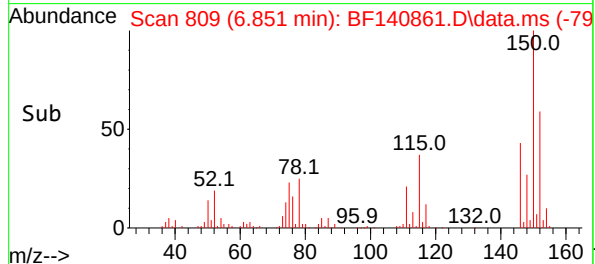
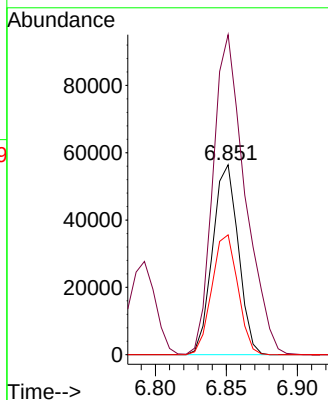
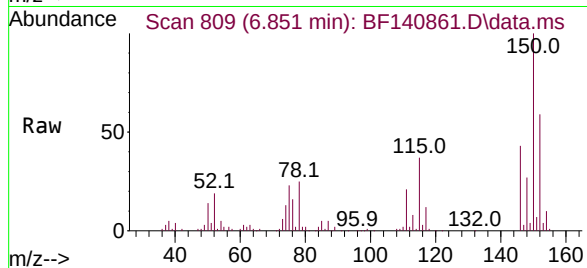
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

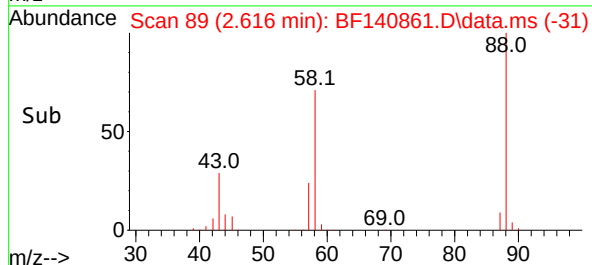
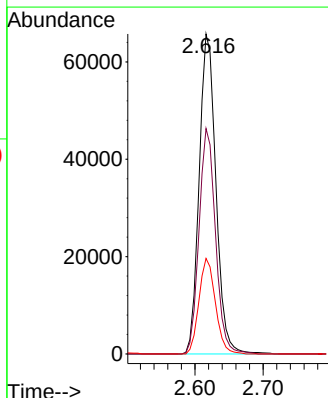
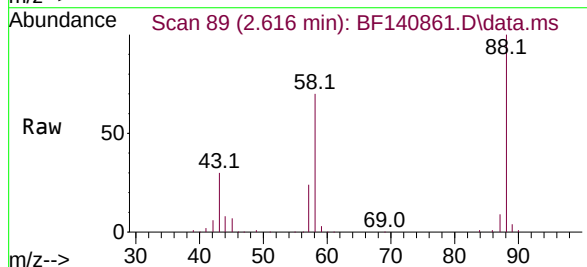
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

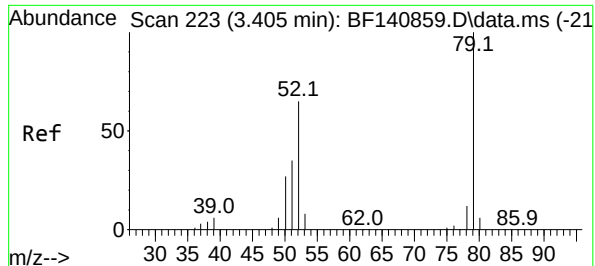
Tgt Ion:152 Resp: 71125
Ion Ratio Lower Upper
152 100
150 168.5 127.9 191.9
115 63.1 48.0 72.0



#2
1,4-Dioxane
Concen: 60.469 ng
RT: 2.616 min Scan# 89
Delta R.T. -0.006 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

Tgt Ion: 88 Resp: 112534
Ion Ratio Lower Upper
88 100
58 69.2 55.8 83.8
43 29.3 22.7 34.1





#3

Pyridine

Concen: 61.121 ng

RT: 3.398 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF140861.D

Acq: 16 Dec 2024 15:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

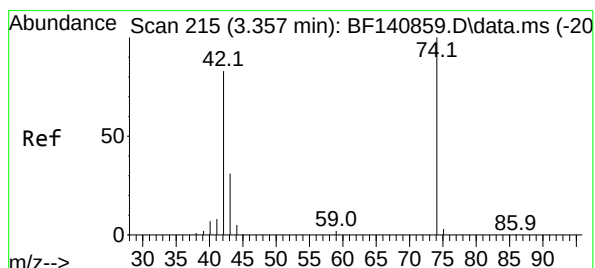
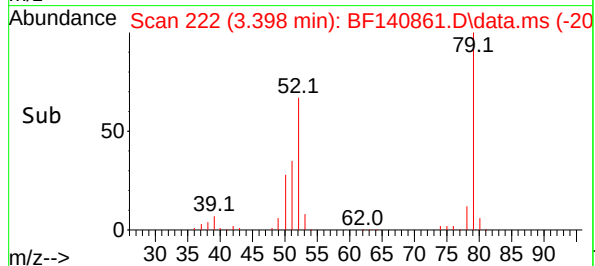
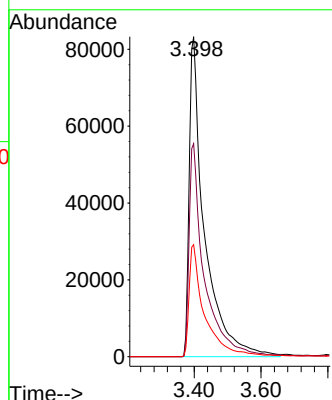
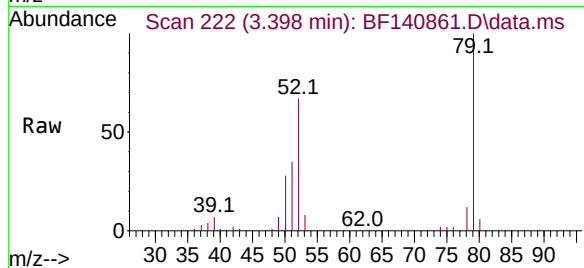
Tgt Ion: 79 Resp: 263425

Ion Ratio Lower Upper

79 100

52 66.6 51.7 77.5

51 35.0 28.2 42.4



#4

n-Nitrosodimethylamine

Concen: 63.658 ng

RT: 3.363 min Scan# 216

Delta R.T. 0.006 min

Lab File: BF140861.D

Acq: 16 Dec 2024 15:49

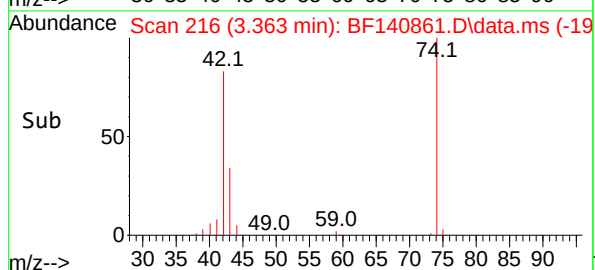
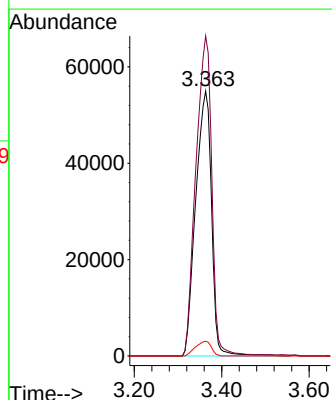
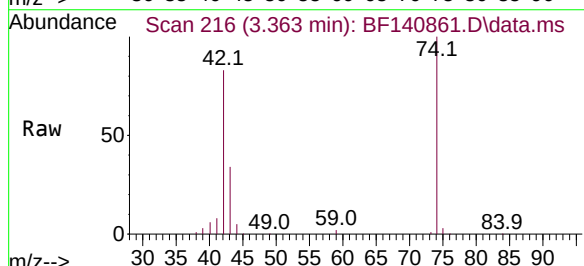
Tgt Ion: 42 Resp: 138309

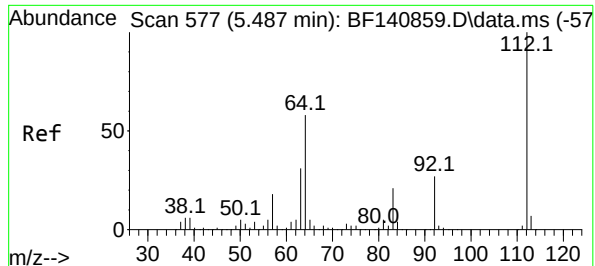
Ion Ratio Lower Upper

42 100

74 120.7 96.9 145.3

44 5.6 4.4 6.6

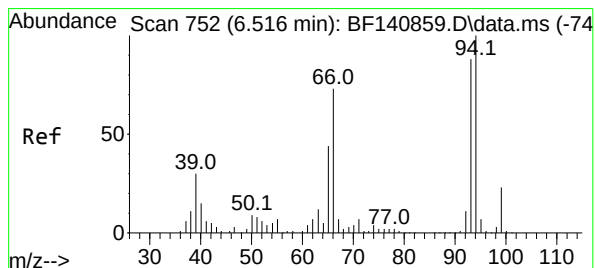
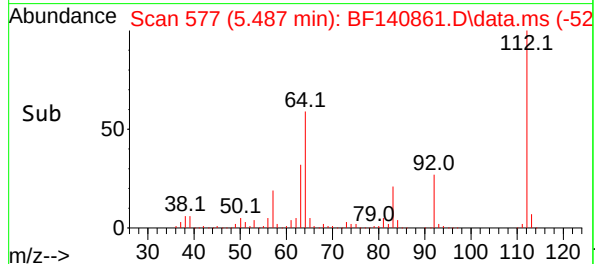
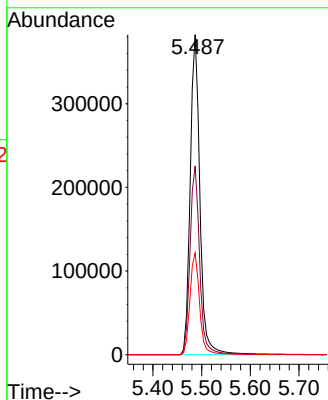
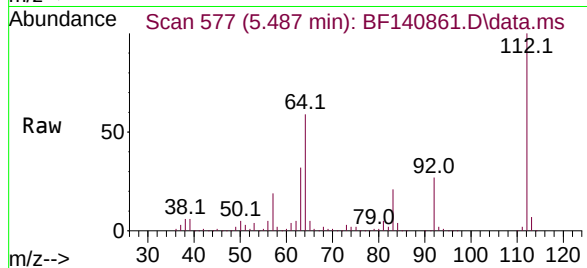




#5
2-Fluorophenol
Concen: 122.696 ng
RT: 5.487 min Scan# 51
Delta R.T. -0.000 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

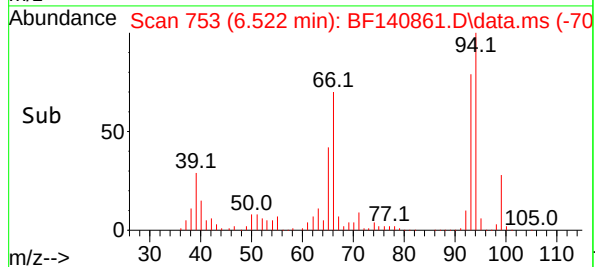
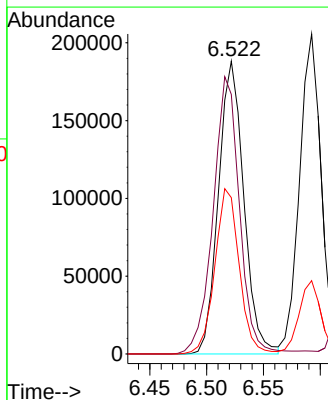
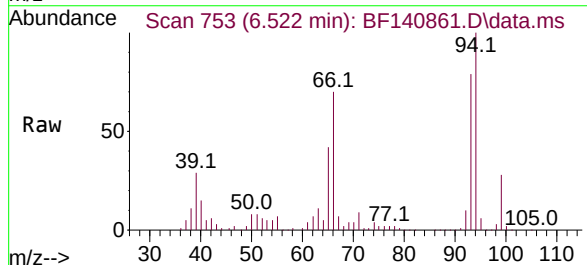
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

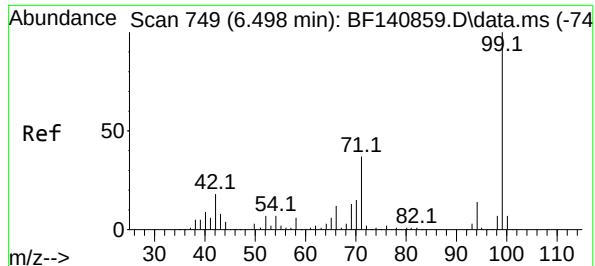
Tgt Ion:112 Resp: 530122
Ion Ratio Lower Upper
112 100
64 59.0 46.1 69.1
63 31.8 24.9 37.3



#6
Aniline
Concen: 59.690 ng
RT: 6.522 min Scan# 753
Delta R.T. 0.006 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

Tgt Ion: 93 Resp: 292063
Ion Ratio Lower Upper
93 100
66 88.6 67.0 100.4
65 53.4 40.4 60.6

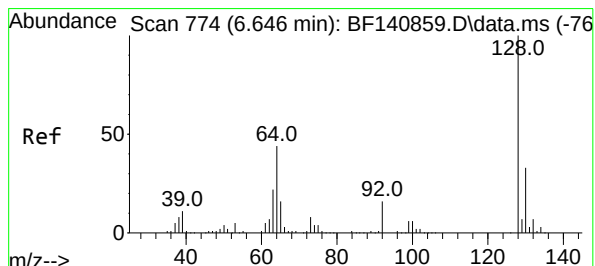
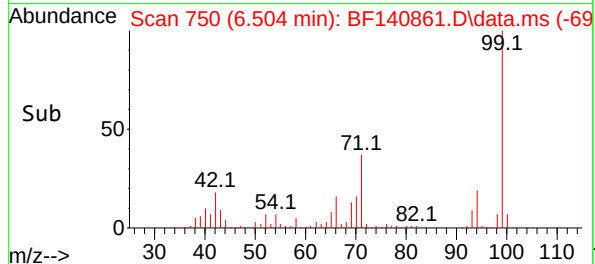
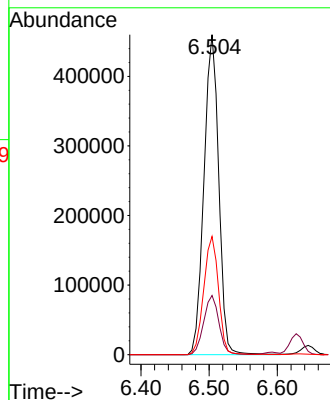
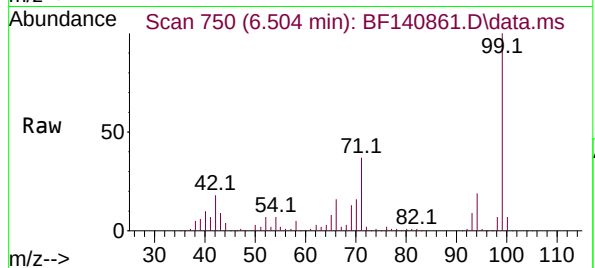




#7
Phenol-d6
Concen: 120.993 ng
RT: 6.504 min Scan# 749
Delta R.T. 0.006 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

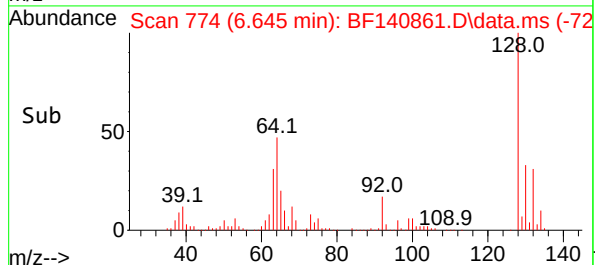
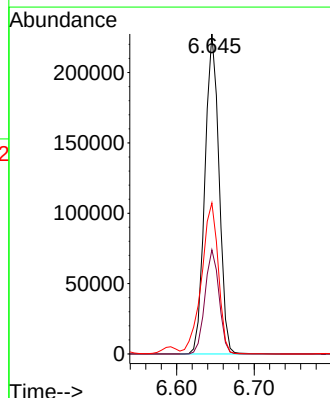
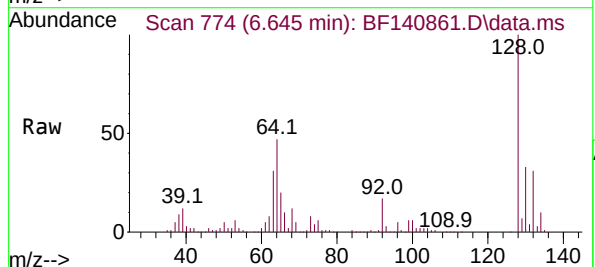
Instrument :
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ClientSampleId :
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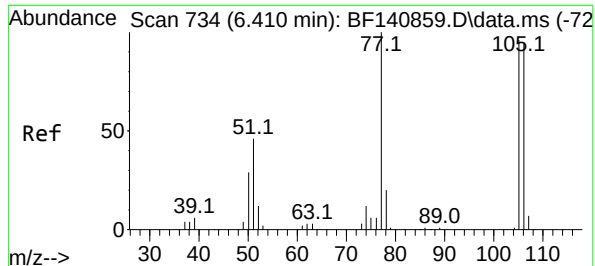
Tgt Ion: 99 Resp: 692405
Ion Ratio Lower Upper
99 100
42 18.5 14.3 21.5
71 36.9 29.9 44.9



#8
2-Chlorophenol
Concen: 61.183 ng
RT: 6.645 min Scan# 774
Delta R.T. -0.000 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

Tgt Ion: 128 Resp: 288270
Ion Ratio Lower Upper
128 100
130 32.6 12.9 52.9
64 47.2 24.3 64.3





#9

Benzaldehyde

Concen: 53.801 ng

RT: 6.410 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF140861.D

Acq: 16 Dec 2024 15:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

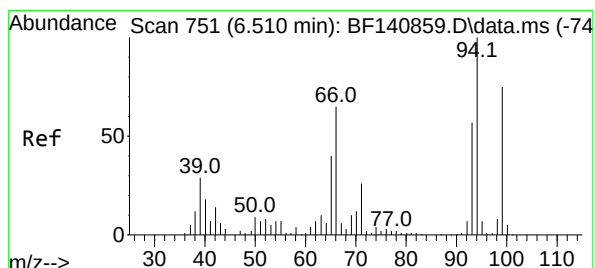
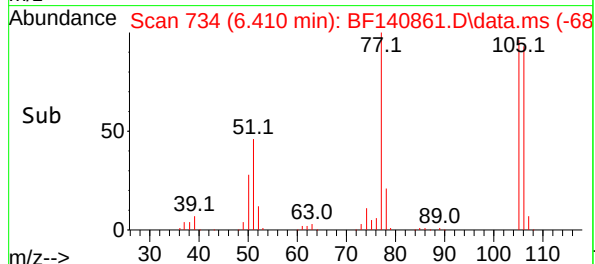
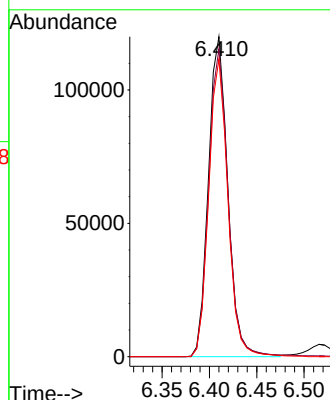
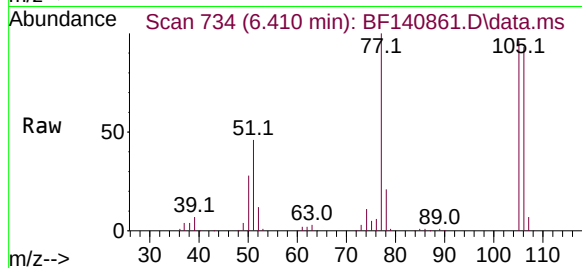
Tgt Ion: 77 Resp: 170596

Ion Ratio Lower Upper

77 100

105 96.2 75.8 115.8

106 93.0 74.1 114.1



#10

Phenol

Concen: 60.734 ng

RT: 6.516 min Scan# 752

Delta R.T. 0.006 min

Lab File: BF140861.D

Acq: 16 Dec 2024 15:49

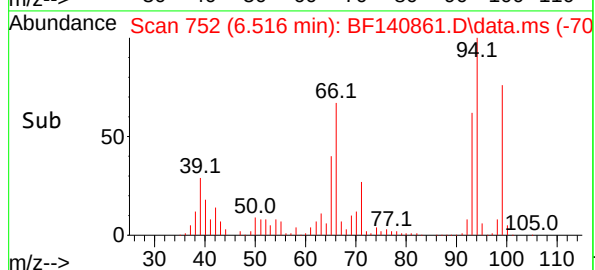
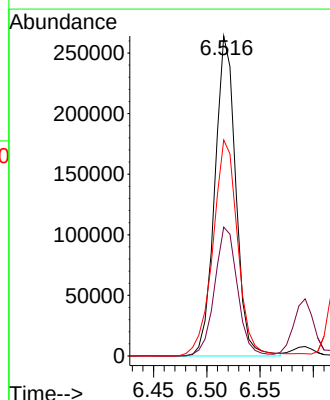
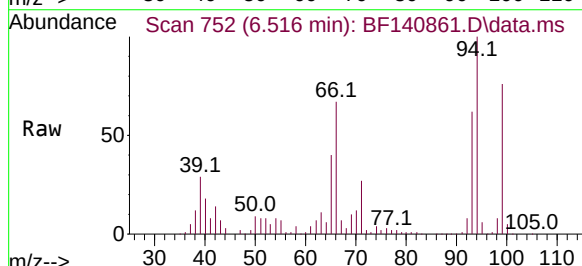
Tgt Ion: 94 Resp: 360221

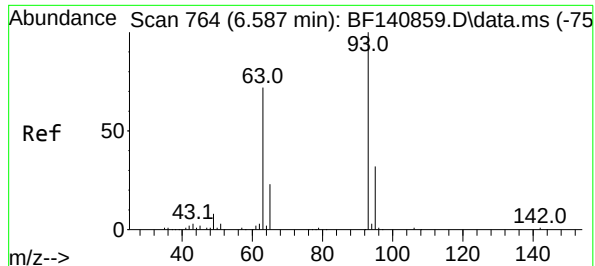
Ion Ratio Lower Upper

94 100

65 40.2 19.9 59.9

66 67.5 45.6 85.6





#11

bis(2-Chloroethyl)ether

Concen: 61.117 ng

RT: 6.592 min Scan# 765

Delta R.T. 0.006 min

Lab File: BF140861.D

Acq: 16 Dec 2024 15:49

Instrument :

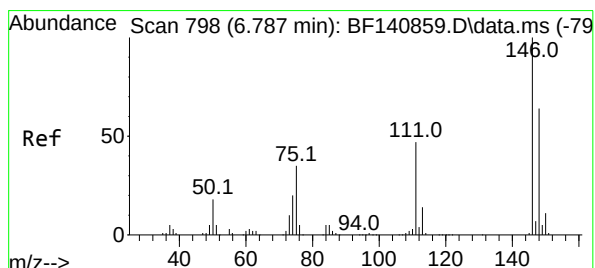
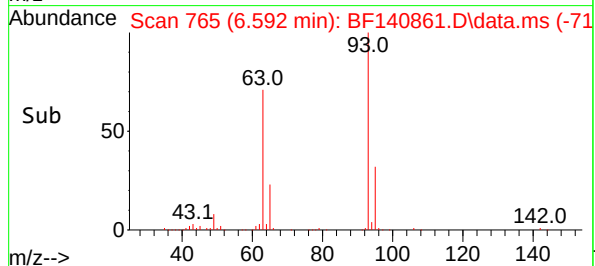
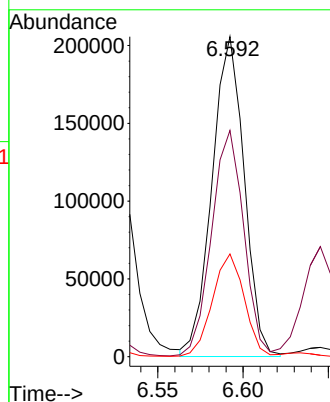
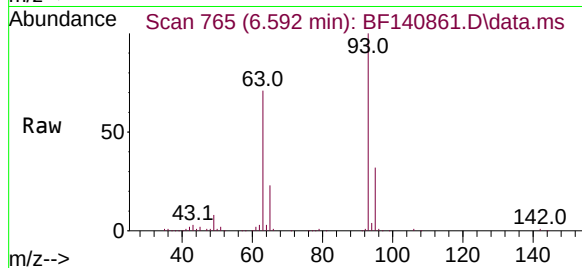
BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion: 93 Resp: 270334

Ion	Ratio	Lower	Upper
93	100		
63	70.7	51.0	91.0
95	32.1	12.0	52.0



#12

1,3-Dichlorobenzene

Concen: 60.789 ng

RT: 6.792 min Scan# 799

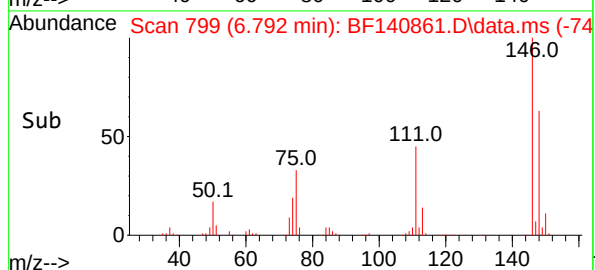
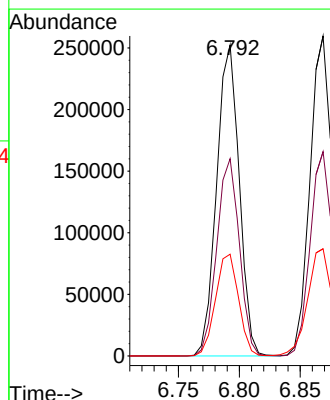
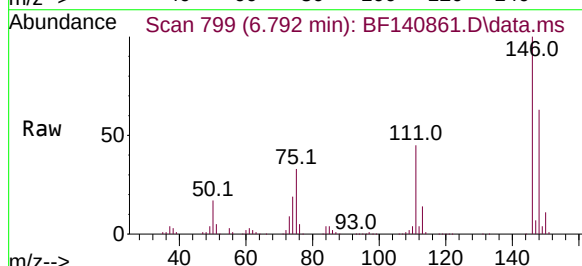
Delta R.T. 0.006 min

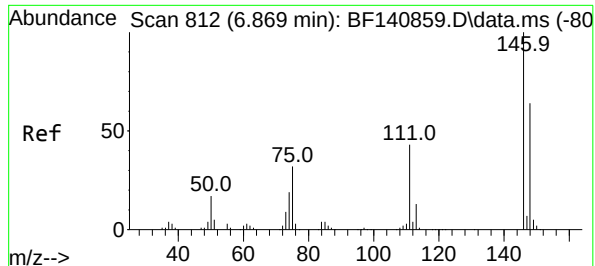
Lab File: BF140861.D

Acq: 16 Dec 2024 15:49

Tgt Ion: 146 Resp: 326363

Ion	Ratio	Lower	Upper
146	100		
148	63.4	51.0	76.6
75	32.7	28.1	42.1





#13

1,4-Dichlorobenzene

Concen: 60.537 ng

RT: 6.869 min Scan# 812

Delta R.T. -0.000 min

Lab File: BF140861.D

Acq: 16 Dec 2024 15:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

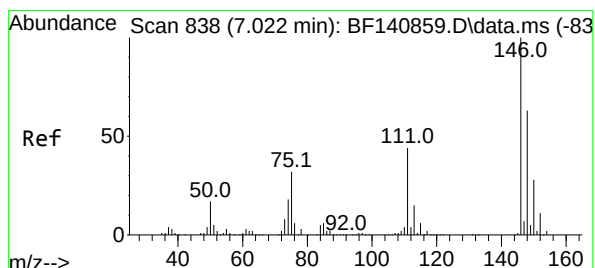
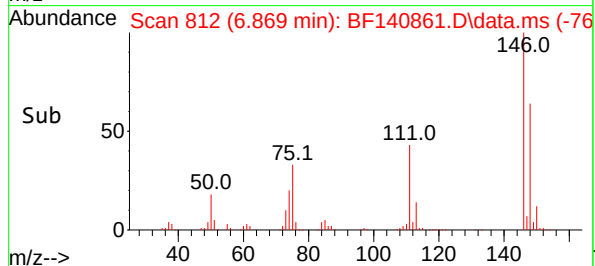
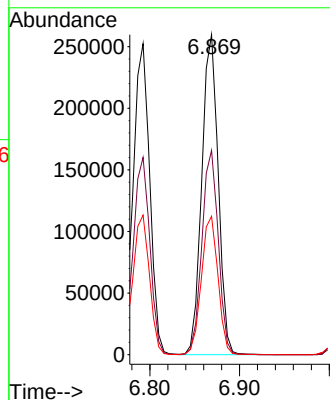
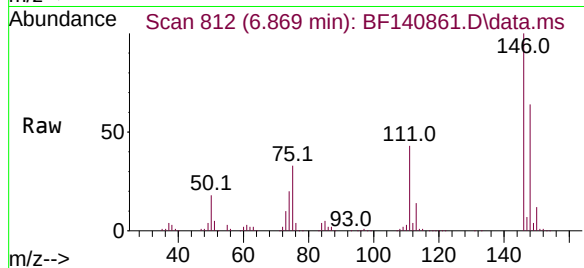
Tgt Ion:146 Resp: 329906

Ion Ratio Lower Upper

146 100

148 63.8 51.3 76.9

111 43.3 34.4 51.6



#14

1,2-Dichlorobenzene

Concen: 59.529 ng

RT: 7.022 min Scan# 838

Delta R.T. -0.000 min

Lab File: BF140861.D

Acq: 16 Dec 2024 15:49

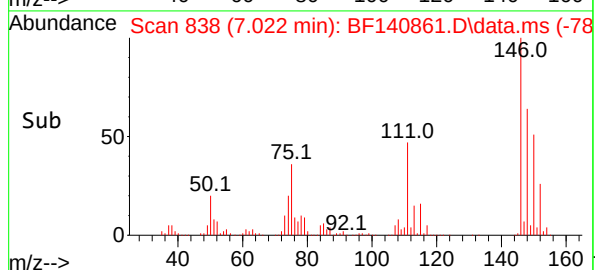
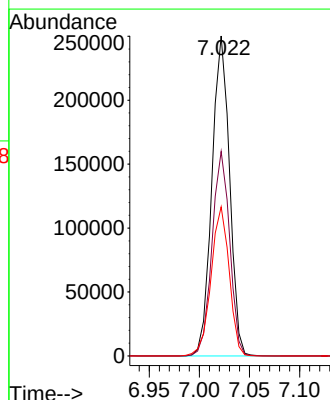
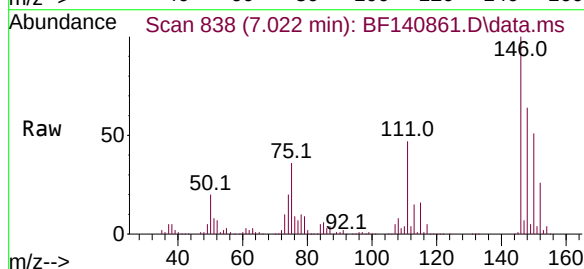
Tgt Ion:146 Resp: 306086

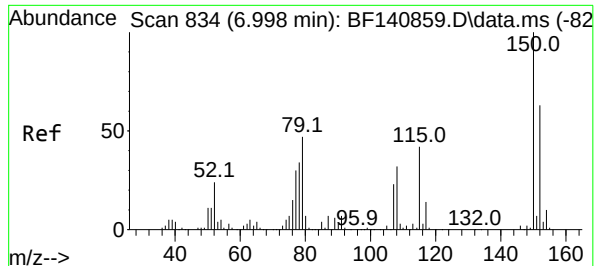
Ion Ratio Lower Upper

146 100

148 63.9 50.0 75.0

111 46.6 35.6 53.4





#15

Benzyl Alcohol

Concen: 61.475 ng

RT: 7.004 min Scan# 81

Delta R.T. 0.006 min

Lab File: BF140861.D

Acq: 16 Dec 2024 15:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

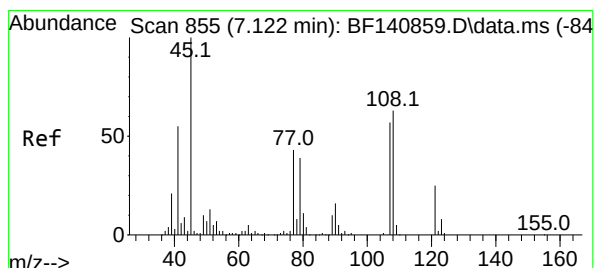
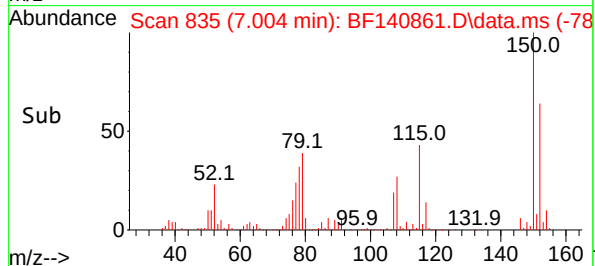
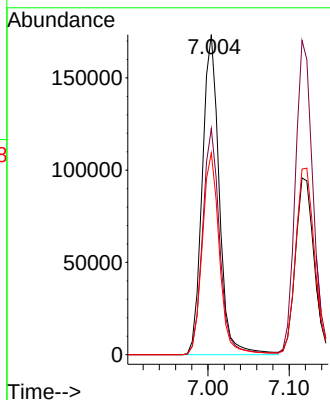
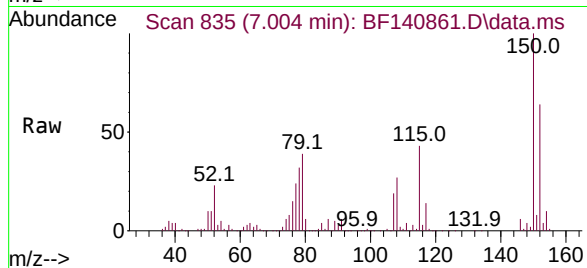
Tgt Ion: 79 Resp: 251539

Ion Ratio Lower Upper

79 100

108 70.6 55.1 82.7

77 63.0 50.6 76.0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 59.106 ng

RT: 7.122 min Scan# 855

Delta R.T. -0.000 min

Lab File: BF140861.D

Acq: 16 Dec 2024 15:49

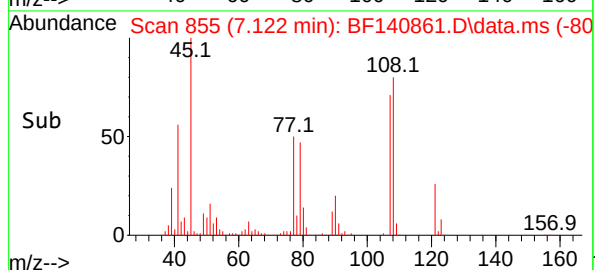
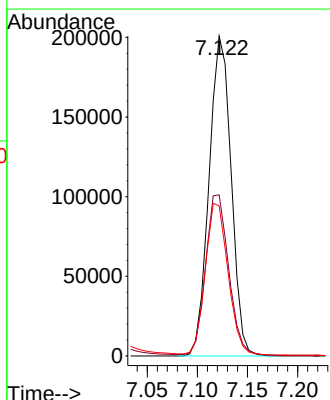
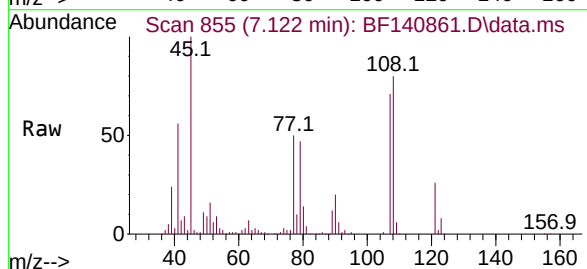
Tgt Ion: 45 Resp: 307981

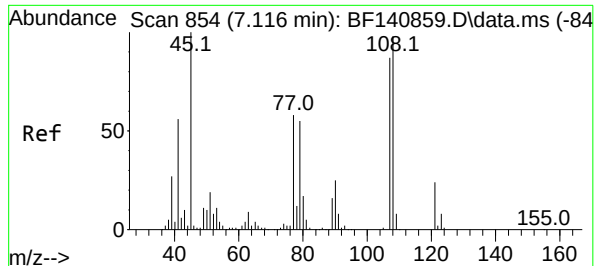
Ion Ratio Lower Upper

45 100

77 50.3 23.3 63.3

79 46.9 20.0 60.0

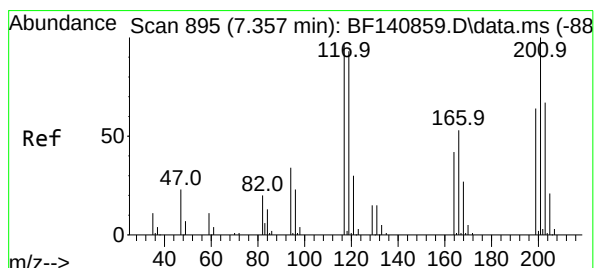
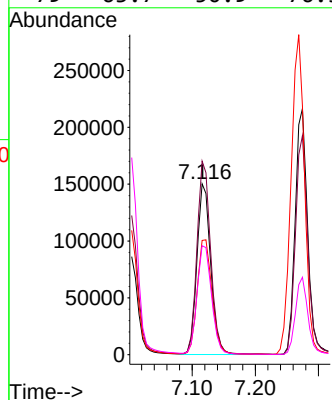
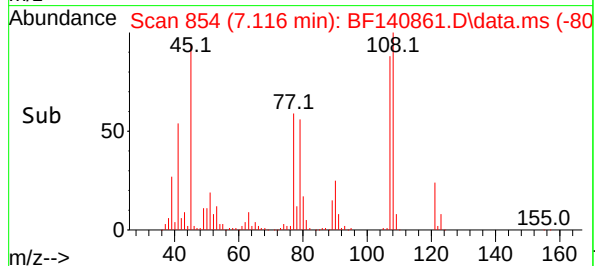
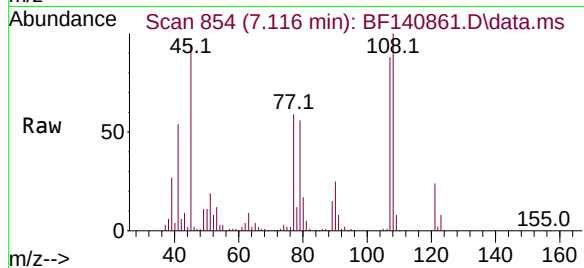




#17
2-Methylphenol
Concen: 60.504 ng
RT: 7.116 min Scan# 854
Delta R.T. -0.000 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

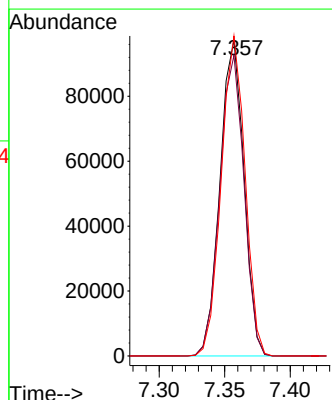
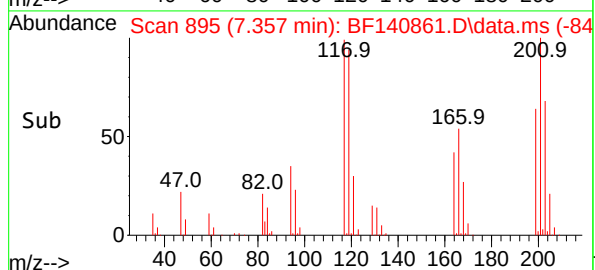
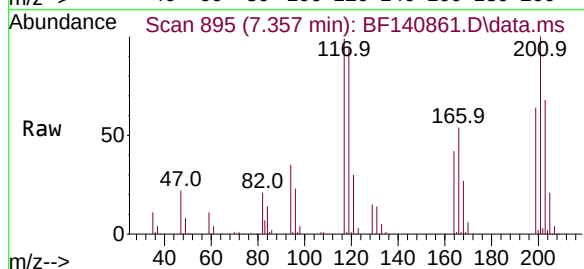
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

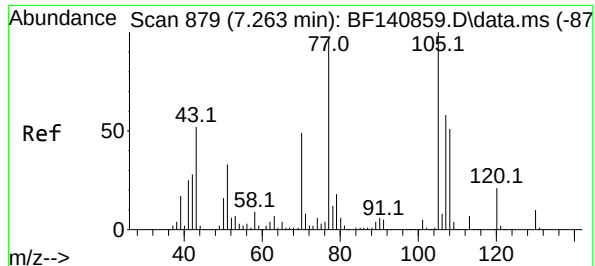
Tgt Ion:	107	Resp:	227597
Ion	Ratio	Lower	Upper
107	100		
108	113.2	90.2	135.4
77	66.9	53.8	80.6
79	63.7	50.9	76.3



#18
Hexachloroethane
Concen: 60.962 ng
RT: 7.357 min Scan# 895
Delta R.T. -0.000 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

Tgt Ion:	117	Resp:	123680
Ion	Ratio	Lower	Upper
117	100		
119	95.1	77.4	116.0
201	101.3	83.4	125.0





#19

n-Nitroso-di-n-propylamine

Concen: 59.015 ng

RT: 7.269 min Scan# 81

Delta R.T. 0.006 min

Lab File: BF140861.D

Acq: 16 Dec 2024 15:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion: 70 Resp: 202582

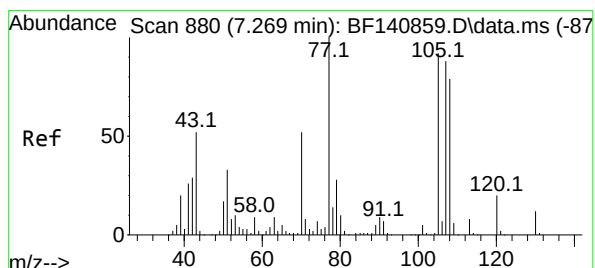
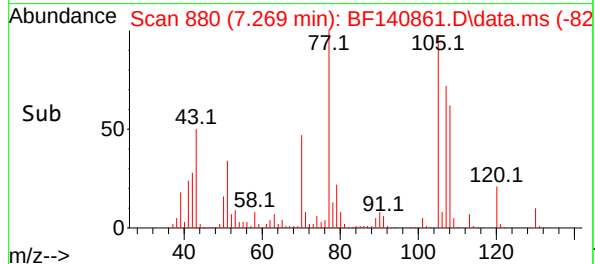
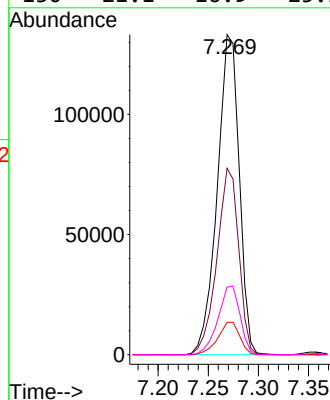
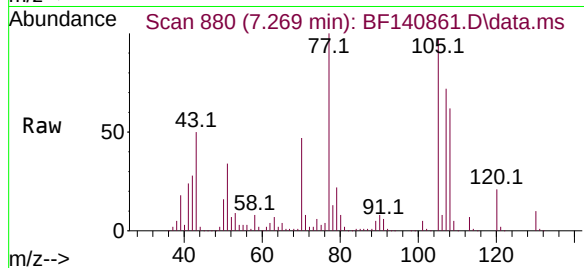
Ion Ratio Lower Upper

70 100

42 58.3 45.3 67.9

101 10.1 8.0 12.0

130 21.1 16.9 25.3



#20

3+4-Methylphenols

Concen: 59.728 ng

RT: 7.275 min Scan# 881

Delta R.T. 0.006 min

Lab File: BF140861.D

Acq: 16 Dec 2024 15:49

Tgt Ion:107 Resp: 297926

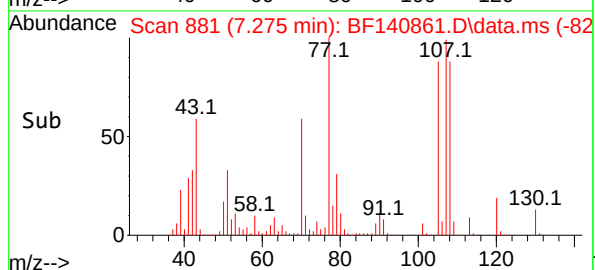
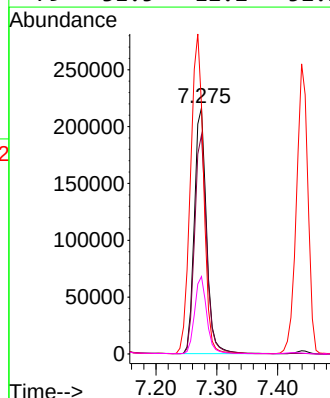
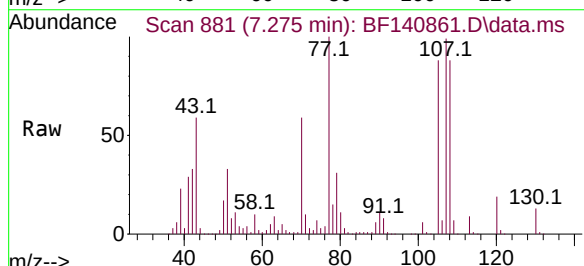
Ion Ratio Lower Upper

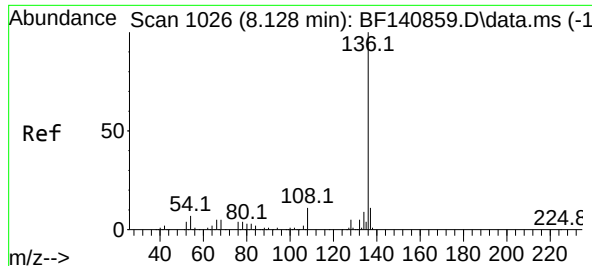
107 100

108 89.0 70.1 110.1

77 101.1 94.4 134.4

79 31.5 12.2 52.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.133 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF140861.D

Acq: 16 Dec 2024 15:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:136 Resp: 259532

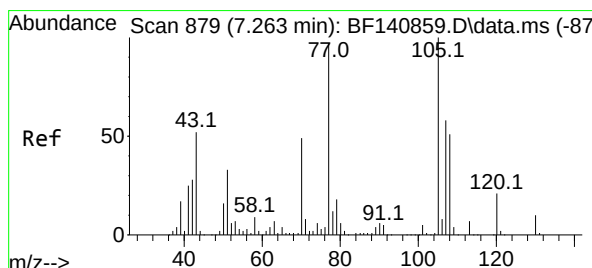
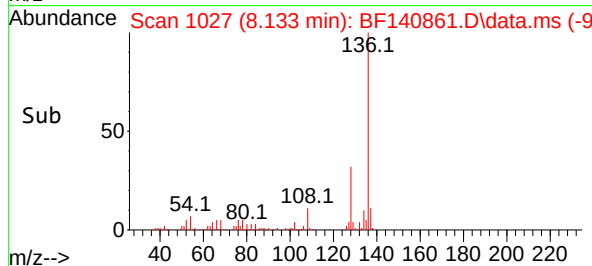
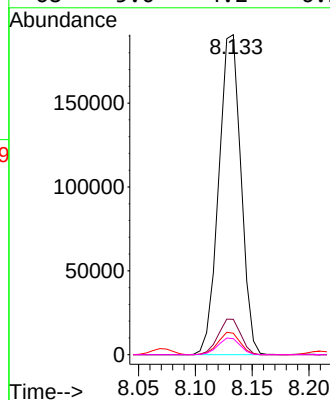
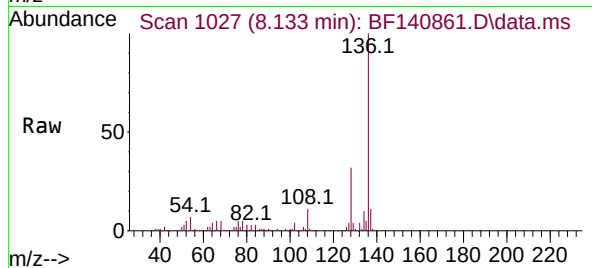
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.4

54 6.7 5.6 8.4

68 5.0 4.2 6.2



#22

Acetophenone

Concen: 62.164 ng

RT: 7.269 min Scan# 880

Delta R.T. 0.006 min

Lab File: BF140861.D

Acq: 16 Dec 2024 15:49

Tgt Ion:105 Resp: 403586

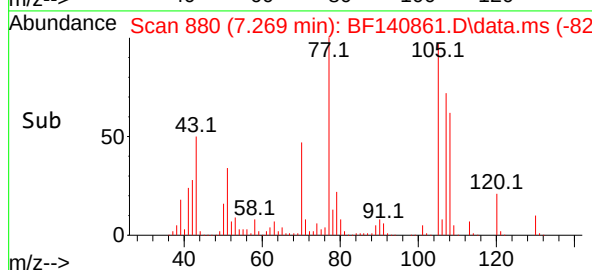
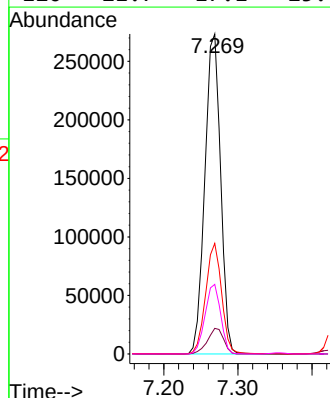
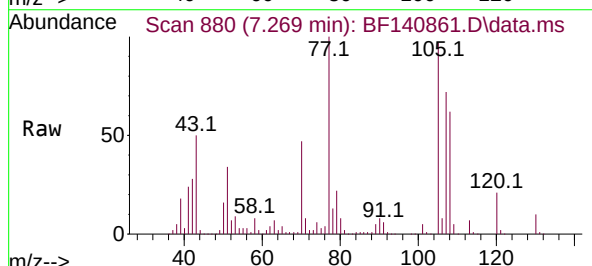
Ion Ratio Lower Upper

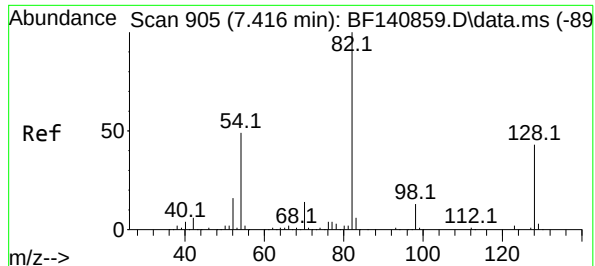
105 100

71 8.0 6.2 9.4

51 34.6 26.3 39.5

120 21.7 17.1 25.7





#23

Nitrobenzene-d5

Concen: 124.724 ng

RT: 7.422 min Scan# 906

Delta R.T. 0.006 min

Lab File: BF140861.D

Acq: 16 Dec 2024 15:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

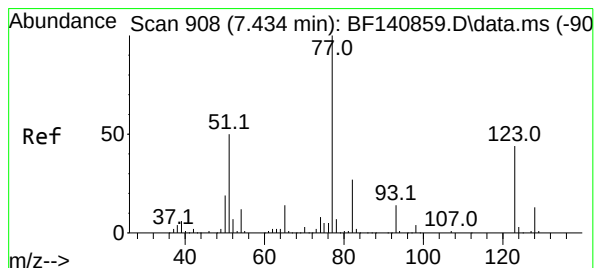
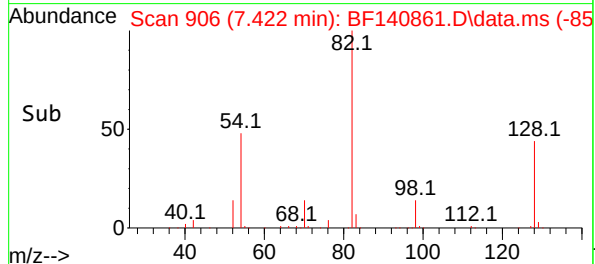
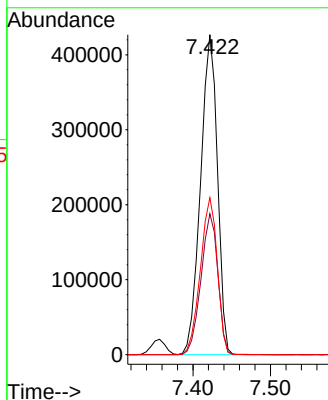
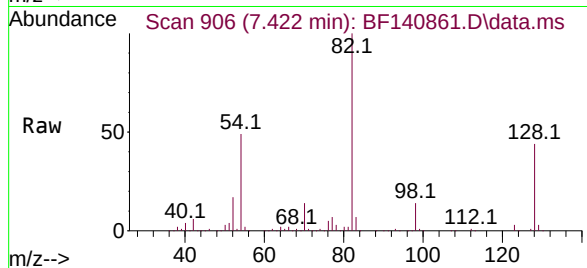
Tgt Ion: 82 Resp: 646998

Ion Ratio Lower Upper

82 100

128 44.1 34.4 51.6

54 49.0 38.8 58.2



#24

Nitrobenzene

Concen: 62.893 ng

RT: 7.439 min Scan# 909

Delta R.T. 0.006 min

Lab File: BF140861.D

Acq: 16 Dec 2024 15:49

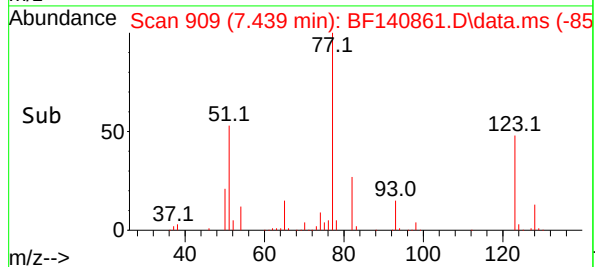
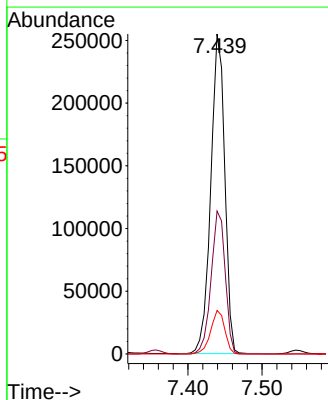
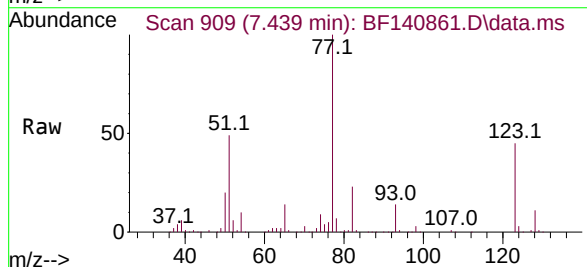
Tgt Ion: 77 Resp: 334236

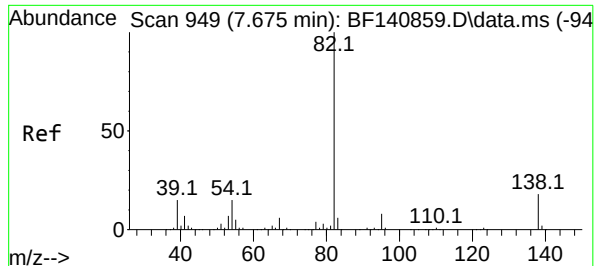
Ion Ratio Lower Upper

77 100

123 44.6 35.0 52.4

65 13.6 11.4 17.0

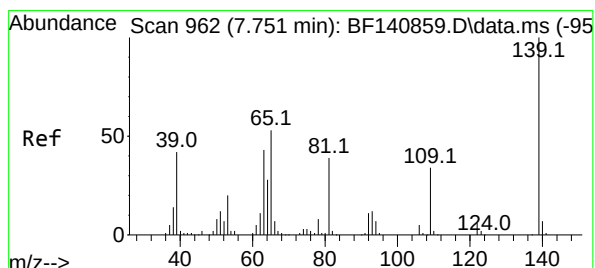
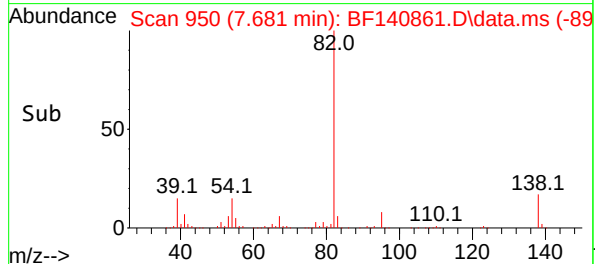
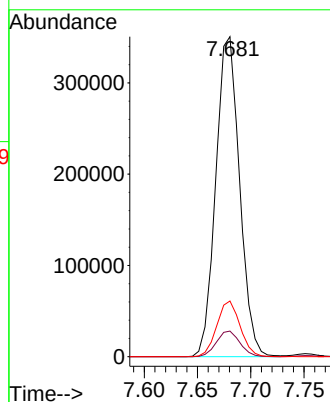
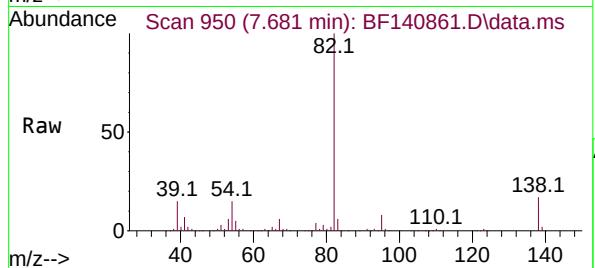




#25
Isophorone
Concen: 62.685 ng
RT: 7.681 min Scan# 91
Delta R.T. 0.006 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

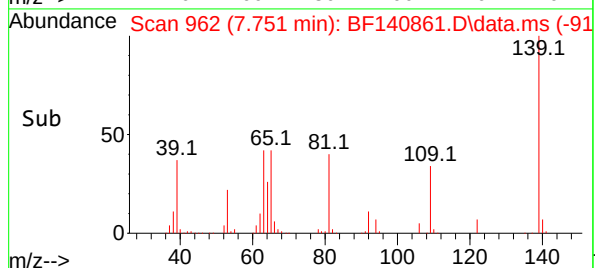
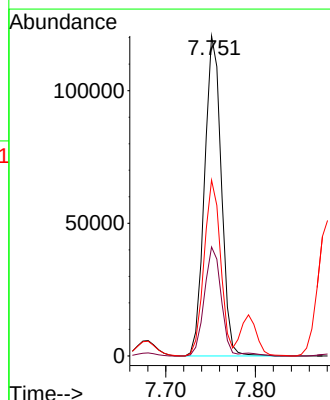
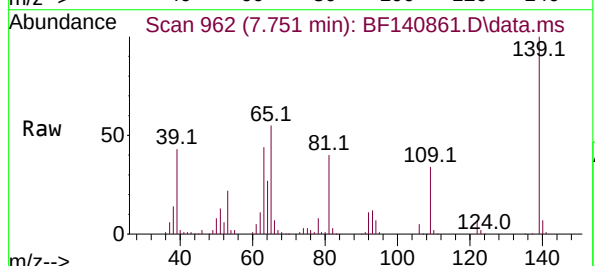
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

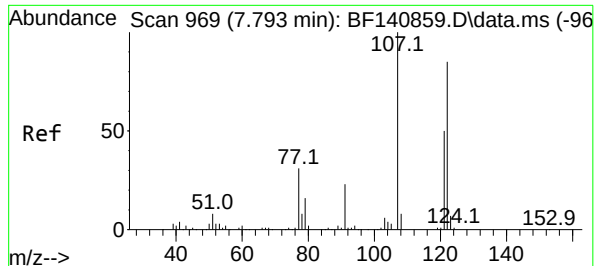
Tgt Ion: 82 Resp: 544844
Ion Ratio Lower Upper
82 100
95 8.0 6.3 9.5
138 17.4 14.1 21.1



#26
2-Nitrophenol
Concen: 64.020 ng
RT: 7.751 min Scan# 962
Delta R.T. -0.000 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

Tgt Ion: 139 Resp: 156696
Ion Ratio Lower Upper
139 100
109 34.1 26.9 40.3
65 54.9 42.6 64.0





#27

2,4-Dimethylphenol

Concen: 61.982 ng

RT: 7.792 min Scan# 90

Delta R.T. -0.000 min

Lab File: BF140861.D

Acq: 16 Dec 2024 15:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

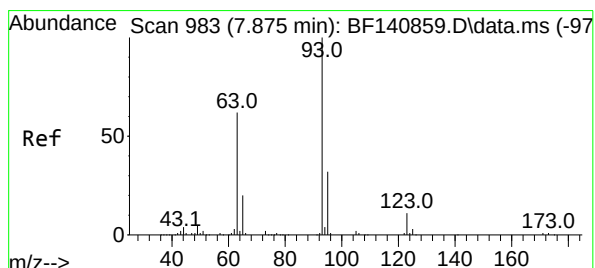
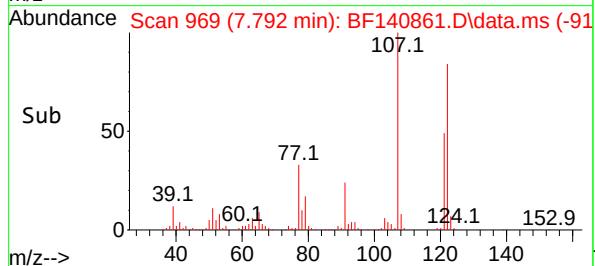
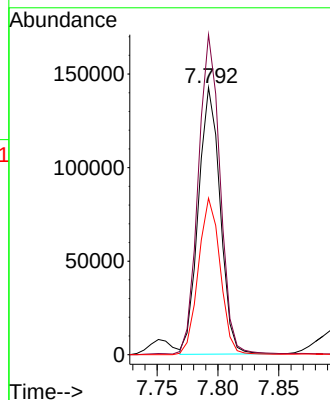
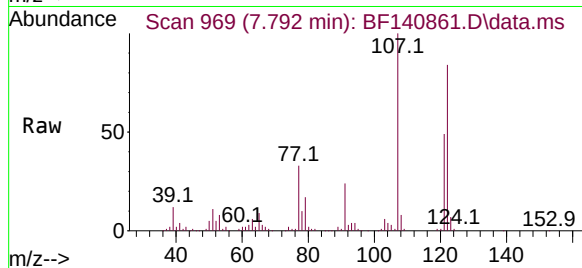
Tgt Ion:122 Resp: 177170

Ion Ratio Lower Upper

122 100

107 119.8 92.6 139.0

121 58.6 45.8 68.8



#28

bis(2-Chloroethoxy)methane

Concen: 61.166 ng

RT: 7.880 min Scan# 984

Delta R.T. 0.006 min

Lab File: BF140861.D

Acq: 16 Dec 2024 15:49

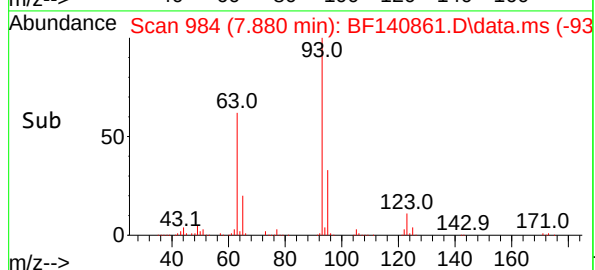
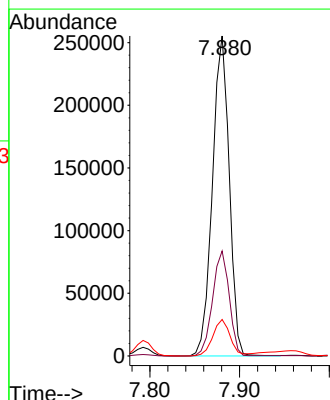
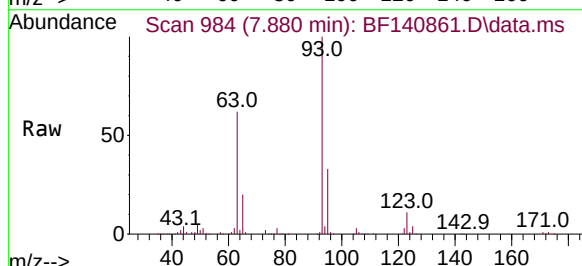
Tgt Ion: 93 Resp: 332048

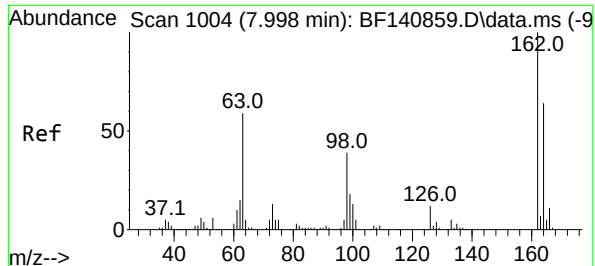
Ion Ratio Lower Upper

93 100

95 32.8 25.3 37.9

123 11.4 8.6 13.0





#29

2,4-Dichlorophenol

Concen: 62.432 ng

RT: 8.004 min Scan# 1005

Delta R.T. 0.006 min

Lab File: BF140861.D

Acq: 16 Dec 2024 15:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

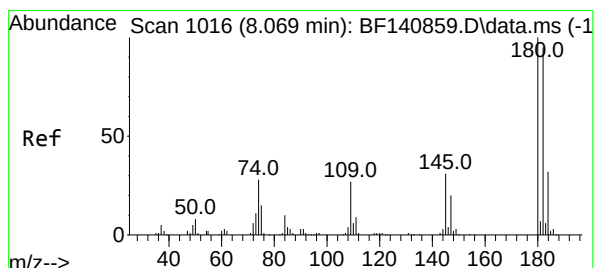
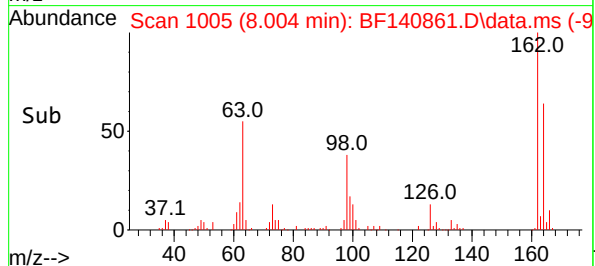
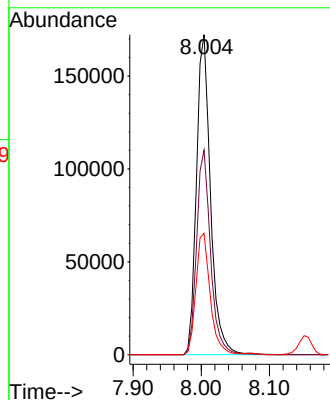
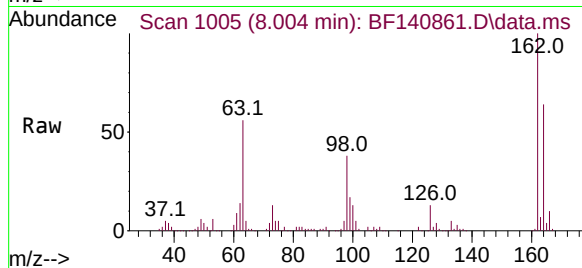
Tgt Ion:162 Resp: 246376

Ion Ratio Lower Upper

162 100

164 63.9 43.7 83.7

98 37.9 18.6 58.6



#30

1,2,4-Trichlorobenzene

Concen: 62.258 ng

RT: 8.075 min Scan# 1017

Delta R.T. 0.006 min

Lab File: BF140861.D

Acq: 16 Dec 2024 15:49

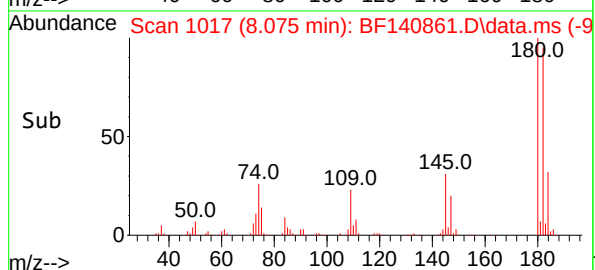
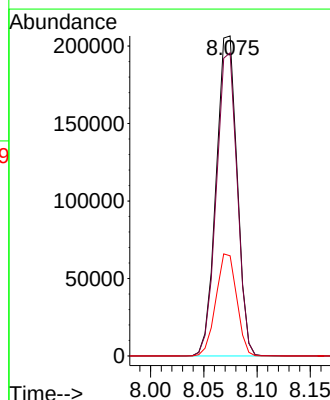
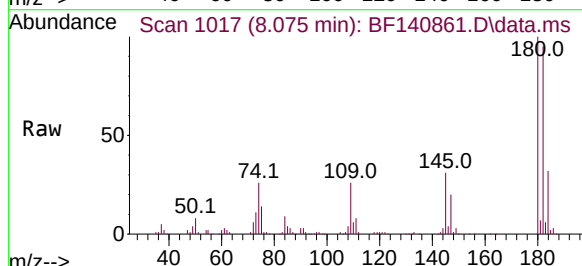
Tgt Ion:180 Resp: 281649

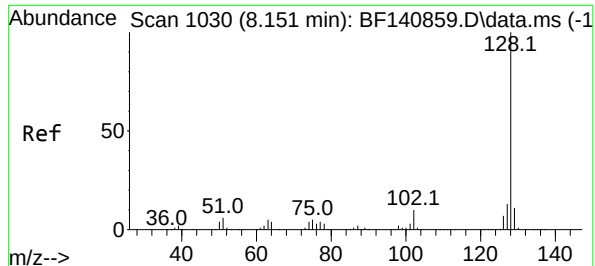
Ion Ratio Lower Upper

180 100

182 94.7 75.8 113.6

145 31.3 25.2 37.8

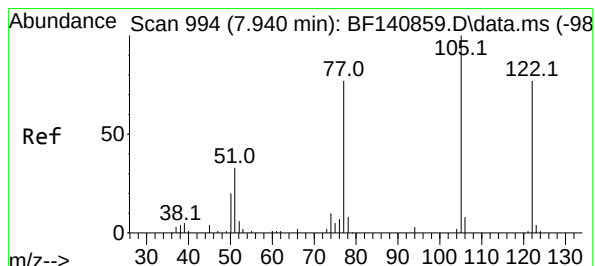
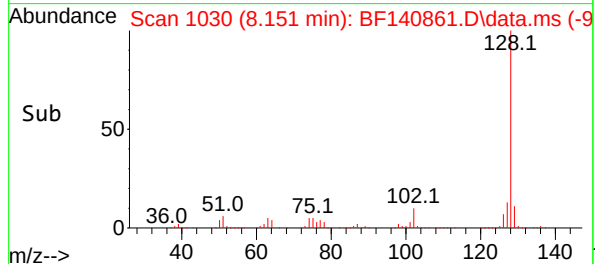
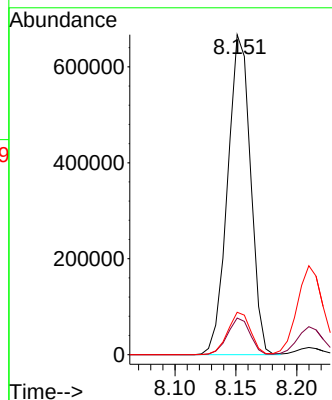
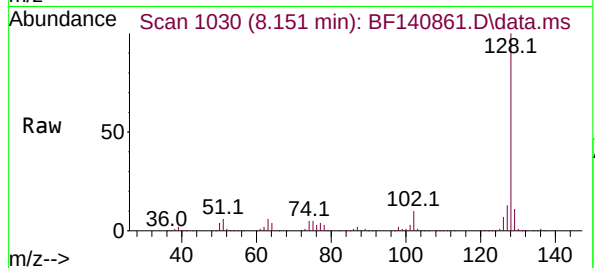




#31
Naphthalene
Concen: 61.360 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.000 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

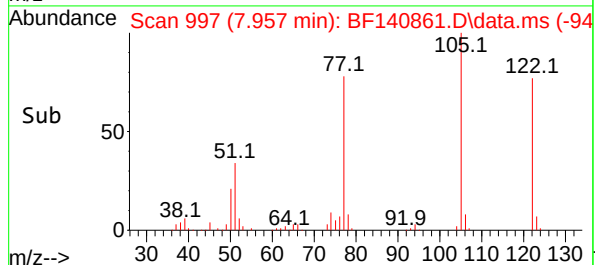
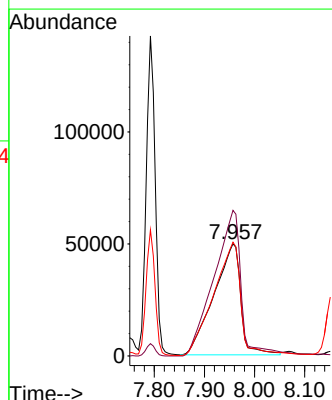
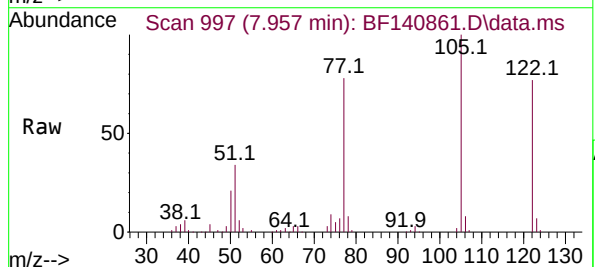
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

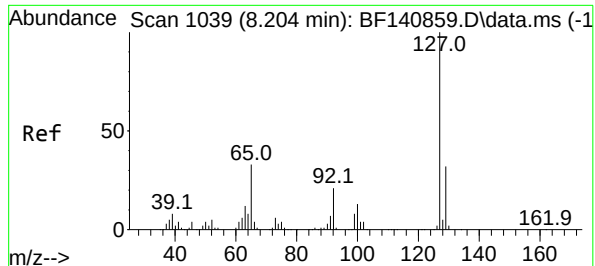
Tgt Ion:128 Resp: 874776
Ion Ratio Lower Upper
128 100
129 11.5 8.9 13.3
127 13.3 10.6 16.0



#32
Benzoic acid
Concen: 67.933 ng
RT: 7.957 min Scan# 997
Delta R.T. 0.017 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

Tgt Ion:122 Resp: 184163
Ion Ratio Lower Upper
122 100
105 129.9 108.3 148.3
77 101.4 78.8 118.8





#33

4-Chloroaniline

Concen: 59.681 ng

RT: 8.210 min Scan# 1040

Delta R.T. 0.006 min

Lab File: BF140861.D

Acq: 16 Dec 2024 15:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:127 Resp: 282583

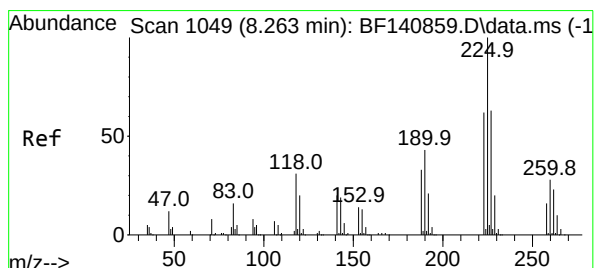
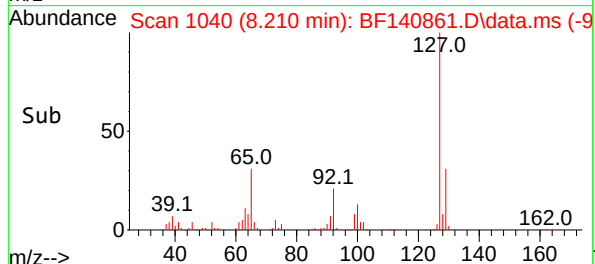
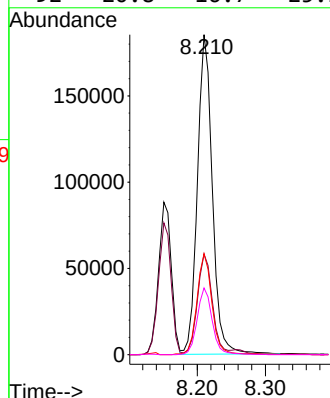
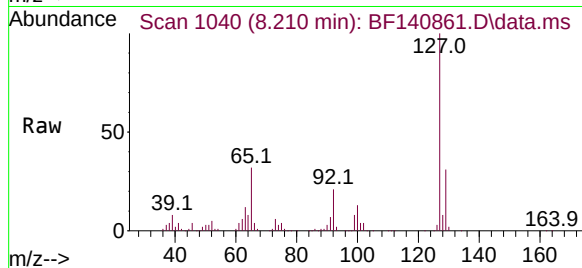
Ion Ratio Lower Upper

127 100

129 31.4 26.0 39.0

65 31.6 26.0 39.0

92 20.8 16.7 25.1



#34

Hexachlorobutadiene

Concen: 61.097 ng

RT: 8.263 min Scan# 1049

Delta R.T. -0.000 min

Lab File: BF140861.D

Acq: 16 Dec 2024 15:49

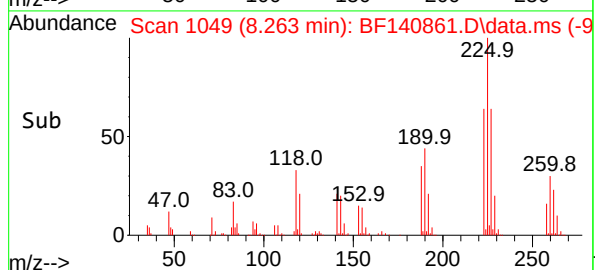
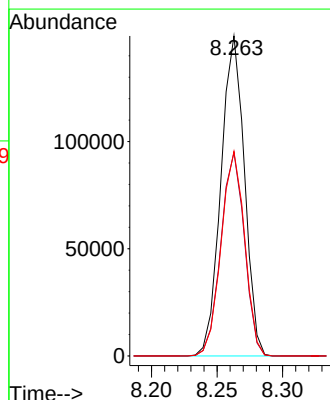
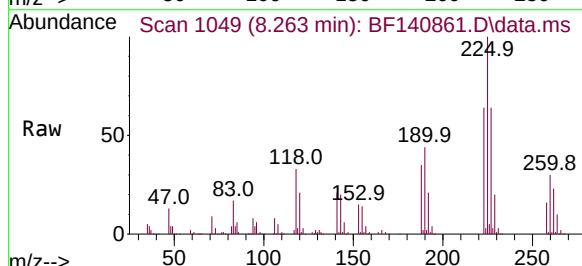
Tgt Ion:225 Resp: 185962

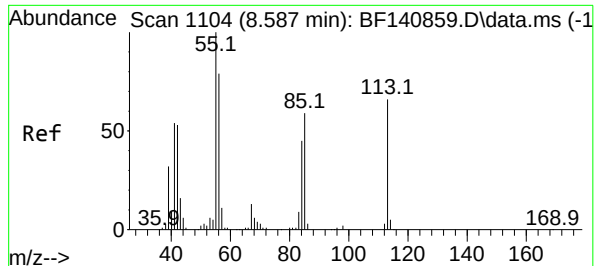
Ion Ratio Lower Upper

225 100

223 63.6 49.6 74.4

227 63.9 50.7 76.1

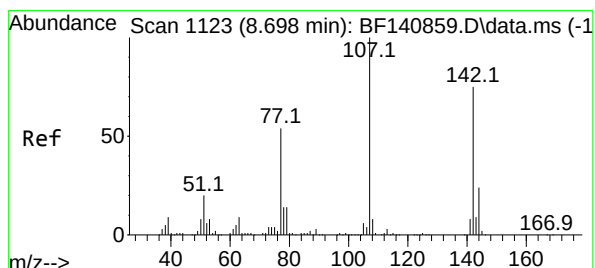
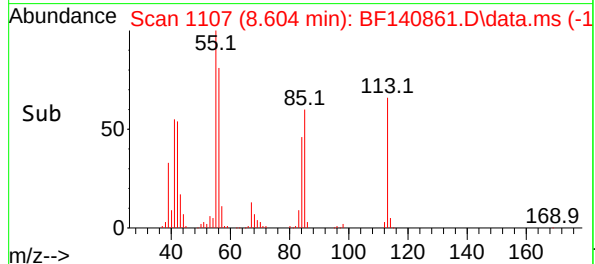
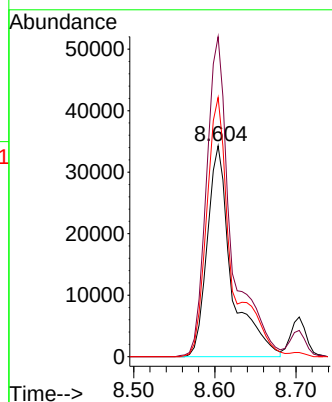
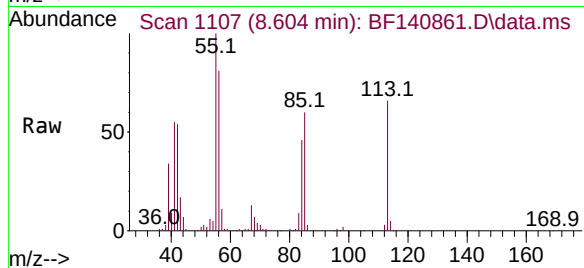




#35
Caprolactam
Concen: 60.761 ng
RT: 8.604 min Scan# 1107
Delta R.T. 0.017 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

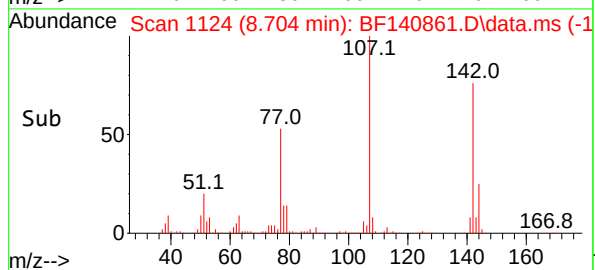
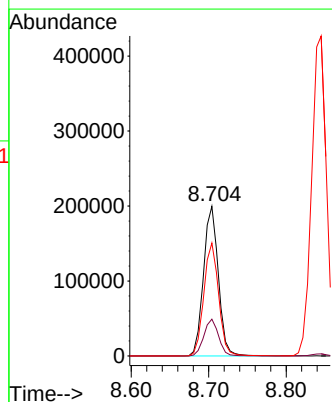
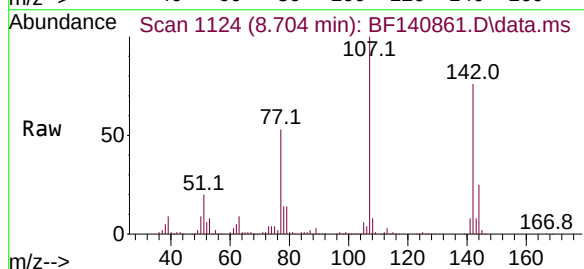
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

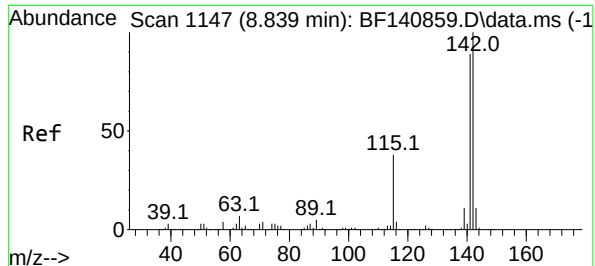
Tgt Ion	Ratio	Lower	Upper
113	100		
55	151.7	132.3	172.3
56	122.9	100.3	140.3



#36
4-Chloro-3-methylphenol
Concen: 59.935 ng
RT: 8.704 min Scan# 1124
Delta R.T. 0.006 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

Tgt Ion	Ratio	Lower	Upper
107	100		
144	24.5	19.4	29.2
142	75.5	60.3	90.5





#37

2-Methylnaphthalene

Concen: 59.336 ng

RT: 8.845 min Scan# 1148

Delta R.T. 0.006 min

Lab File: BF140861.D

Acq: 16 Dec 2024 15:49

Instrument :

BNA_F

ClientSampleId :

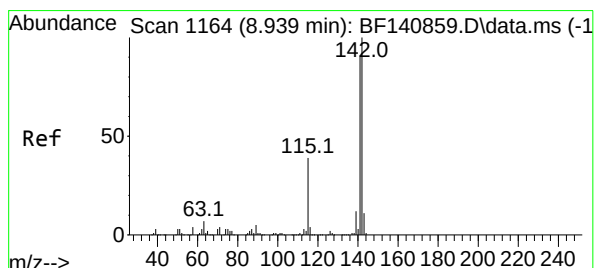
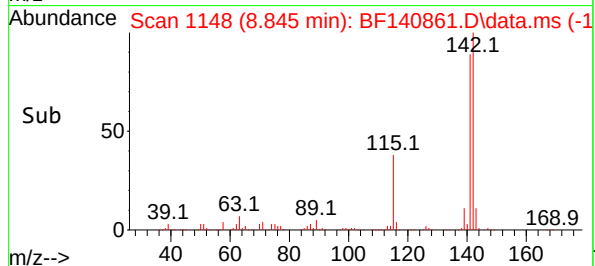
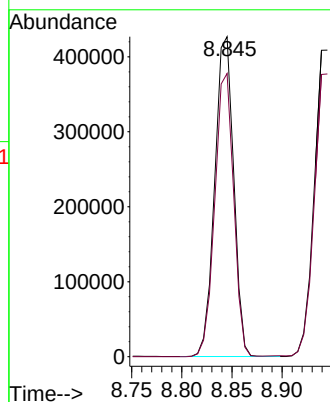
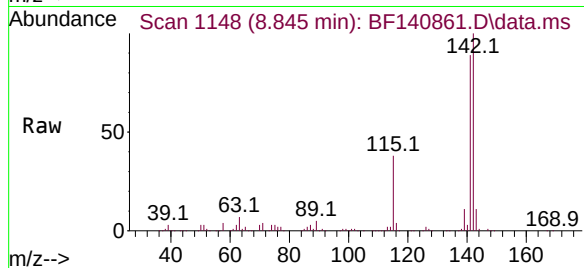
SSTDICC060

Tgt Ion:142 Resp: 559572

Ion Ratio Lower Upper

142 100

141 88.5 71.0 106.6



#38

1-Methylnaphthalene

Concen: 58.973 ng

RT: 8.945 min Scan# 1165

Delta R.T. 0.006 min

Lab File: BF140861.D

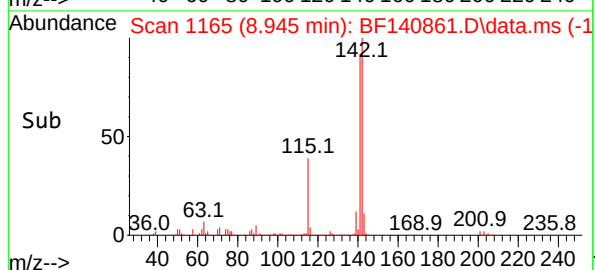
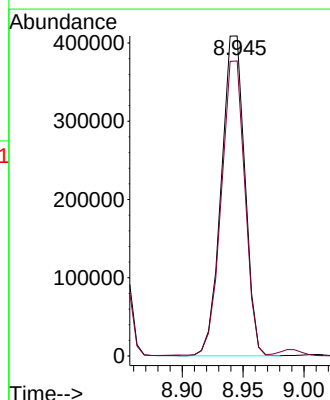
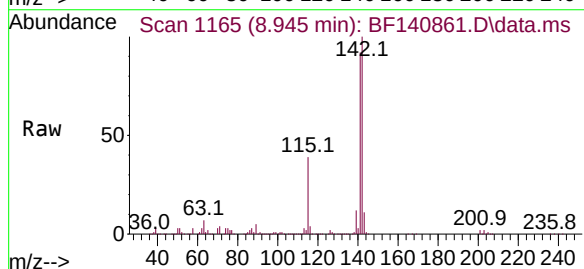
Acq: 16 Dec 2024 15:49

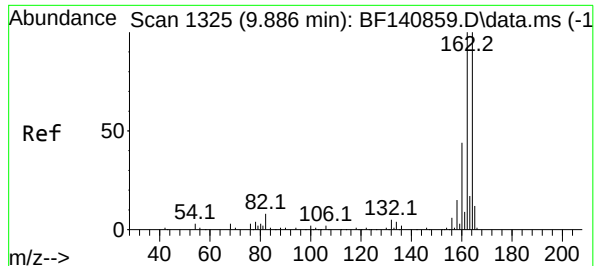
Tgt Ion:142 Resp: 550027

Ion Ratio Lower Upper

142 100

141 92.2 73.4 110.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.886 min Scan# 1175

Delta R.T. -0.000 min

Lab File: BF140861.D

Acq: 16 Dec 2024 15:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

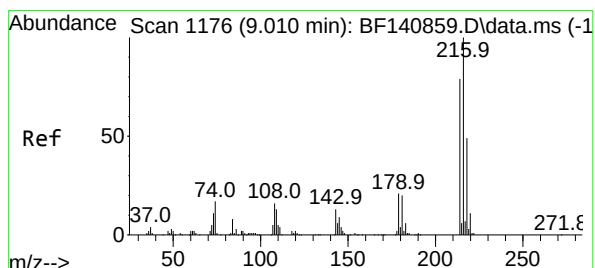
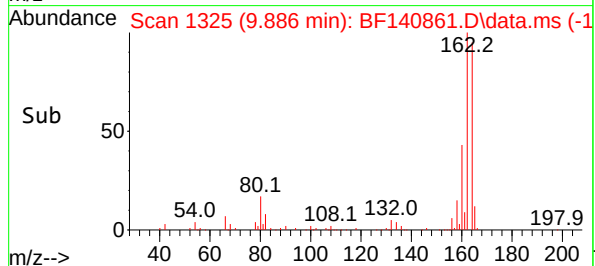
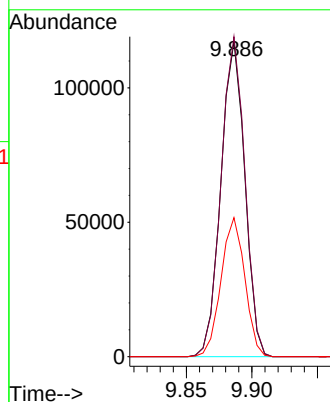
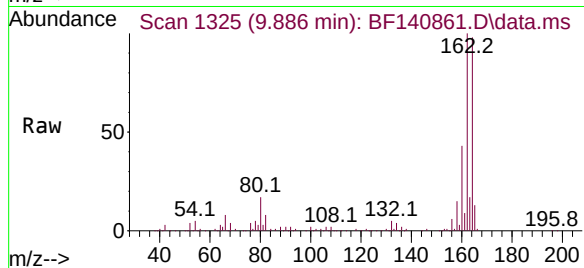
Tgt Ion:164 Resp: 148549

Ion Ratio Lower Upper

164 100

162 101.6 79.9 119.9

160 44.2 35.2 52.8



#40

1,2,4,5-Tetrachlorobenzene

Concen: 60.686 ng

RT: 9.010 min Scan# 1176

Delta R.T. -0.000 min

Lab File: BF140861.D

Acq: 16 Dec 2024 15:49

Tgt Ion:216 Resp: 277082

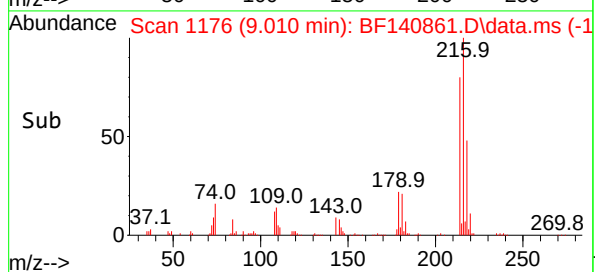
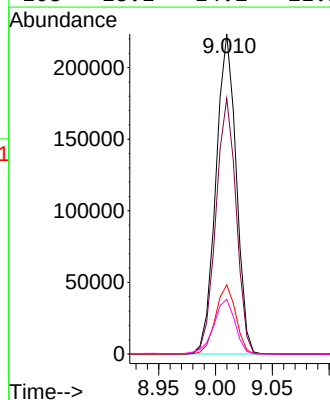
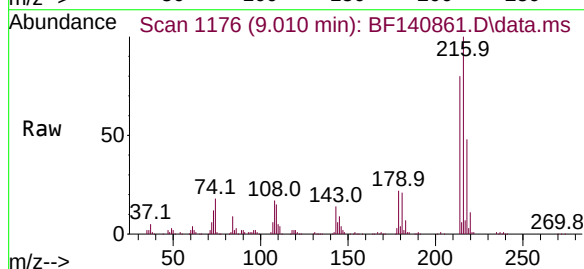
Ion Ratio Lower Upper

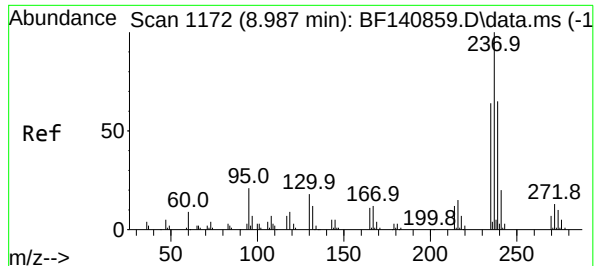
216 100

214 79.7 63.6 95.4

179 21.5 17.0 25.4

108 18.1 14.2 21.2

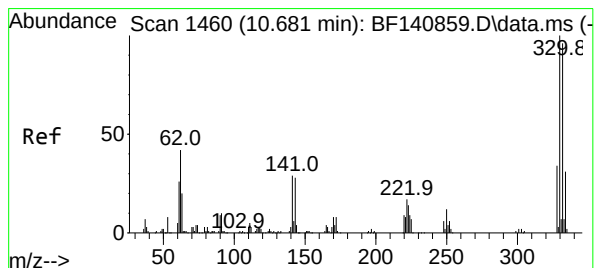
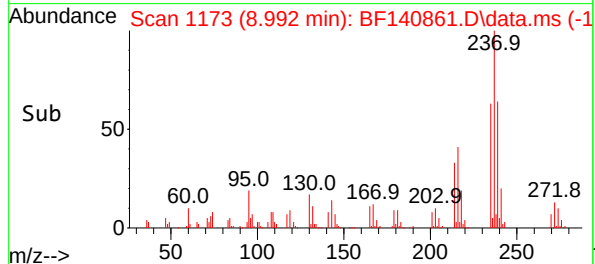
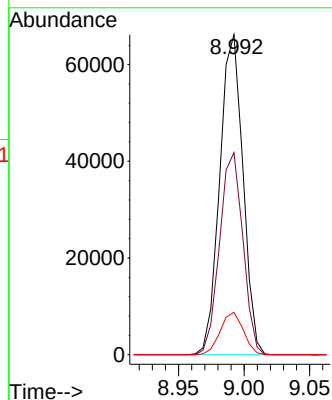
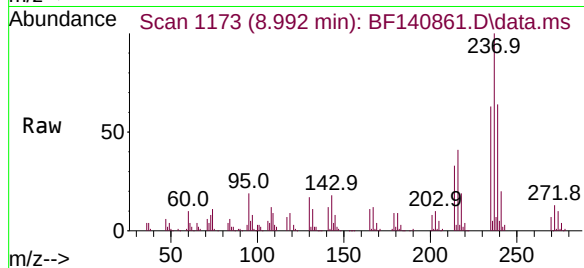




#41
Hexachlorocyclopentadiene
Concen: 60.032 ng
RT: 8.992 min Scan# 1172
Delta R.T. 0.005 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

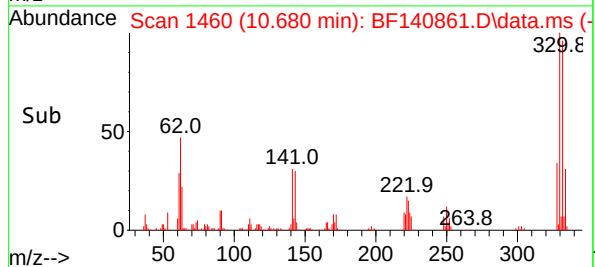
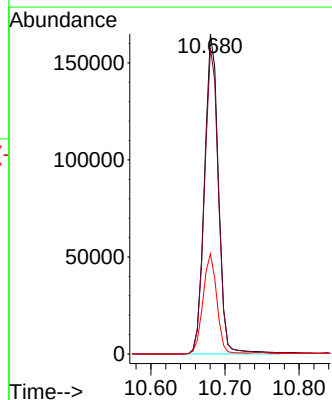
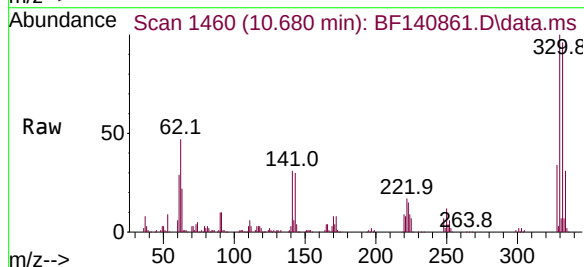
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

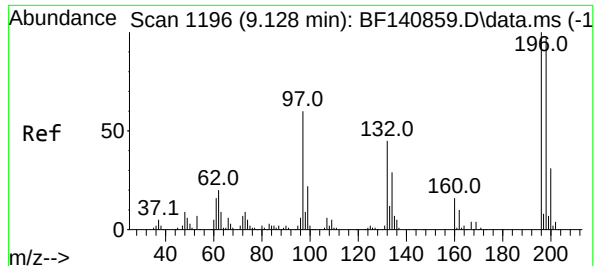
Tgt Ion:237 Resp: 81340
Ion Ratio Lower Upper
237 100
235 63.2 43.7 83.7
272 13.2 0.0 32.9



#42
2,4,6-Tribromophenol
Concen: 123.158 ng
RT: 10.680 min Scan# 1460
Delta R.T. -0.000 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

Tgt Ion:330 Resp: 216378
Ion Ratio Lower Upper
330 100
332 96.5 76.2 114.4
141 30.9 24.9 37.3





#43

2,4,6-Trichlorophenol

Concen: 63.005 ng

RT: 9.127 min Scan# 1196

Delta R.T. -0.000 min

Lab File: BF140861.D

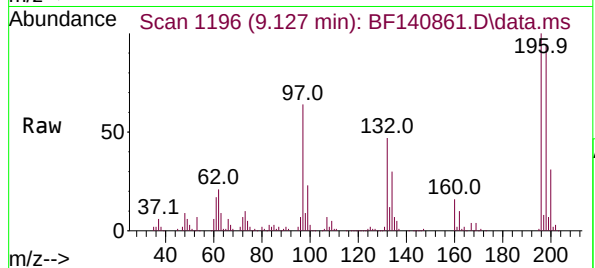
Acq: 16 Dec 2024 15:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC060



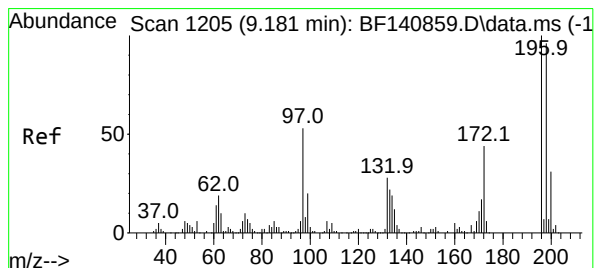
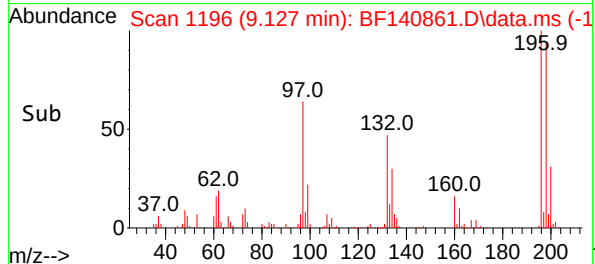
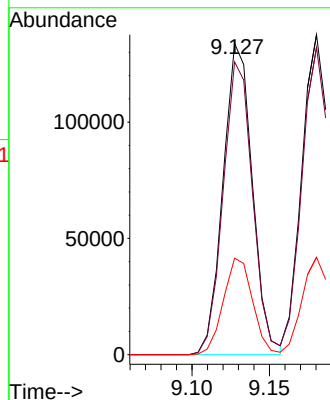
Tgt Ion:196 Resp: 176148

Ion Ratio Lower Upper

196 100

198 94.1 77.4 116.0

200 31.0 24.5 36.7



#44

2,4,5-Trichlorophenol

Concen: 61.766 ng

RT: 9.180 min Scan# 1205

Delta R.T. -0.000 min

Lab File: BF140861.D

Acq: 16 Dec 2024 15:49

Tgt Ion:196 Resp: 189802

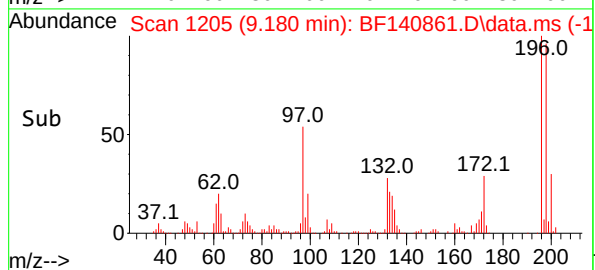
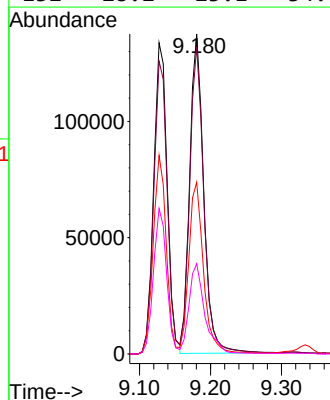
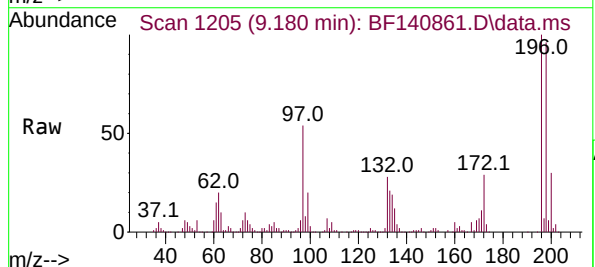
Ion Ratio Lower Upper

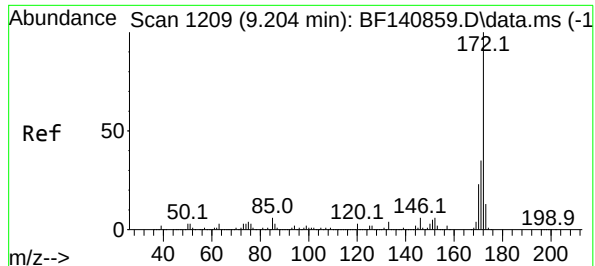
196 100

198 96.0 77.2 115.8

97 53.7 42.2 63.4

132 28.2 23.1 34.7





#45

2-Fluorobiphenyl

Concen: 119.184 ng

RT: 9.204 min Scan# 1209

Delta R.T. -0.000 min

Lab File: BF140861.D

Acq: 16 Dec 2024 15:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

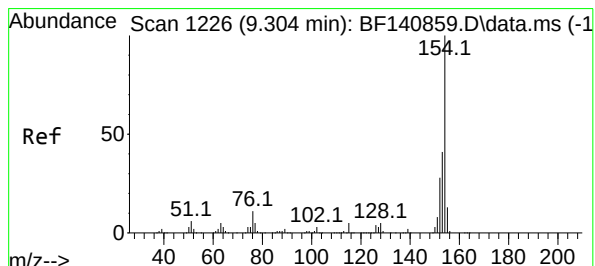
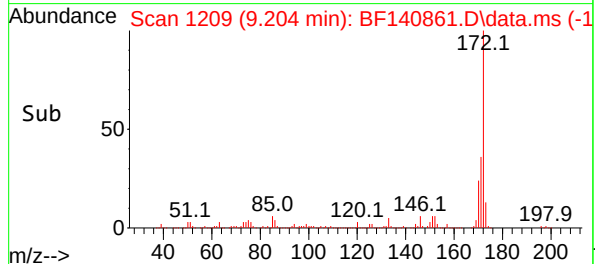
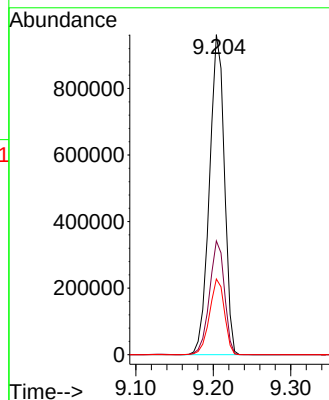
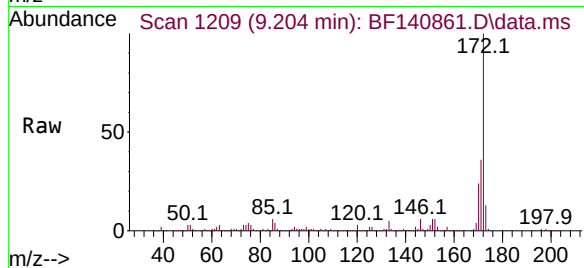
Tgt Ion:172 Resp: 1287749

Ion Ratio Lower Upper

172 100

171 35.6 28.4 42.6

170 23.6 18.6 28.0



#46

1,1'-Biphenyl

Concen: 59.429 ng

RT: 9.310 min Scan# 1227

Delta R.T. 0.006 min

Lab File: BF140861.D

Acq: 16 Dec 2024 15:49

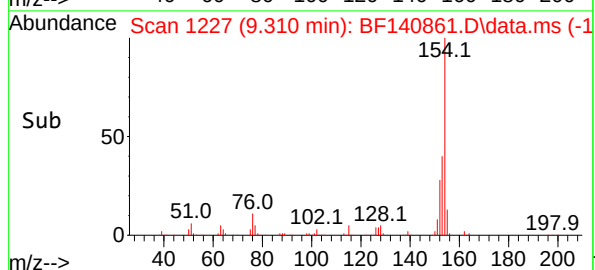
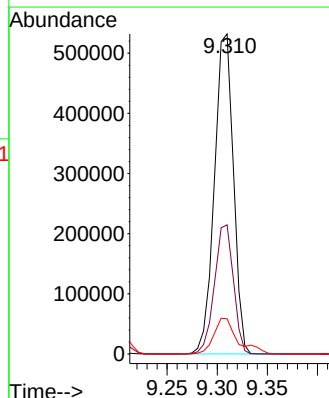
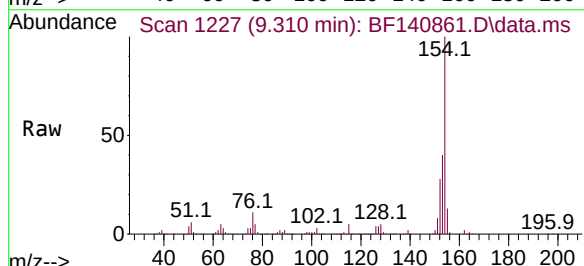
Tgt Ion:154 Resp: 701999

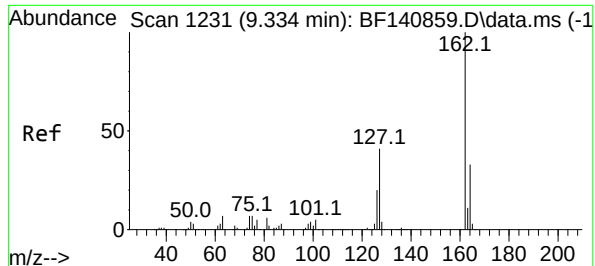
Ion Ratio Lower Upper

154 100

153 40.4 20.8 60.8

76 11.0 0.0 31.0





#47

2-Chloronaphthalene

Concen: 59.491 ng

RT: 9.333 min Scan# 1231

Delta R.T. -0.000 min

Lab File: BF140861.D

Acq: 16 Dec 2024 15:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

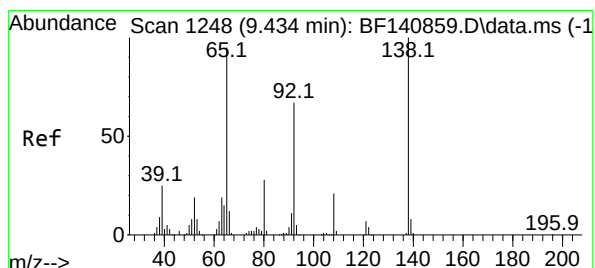
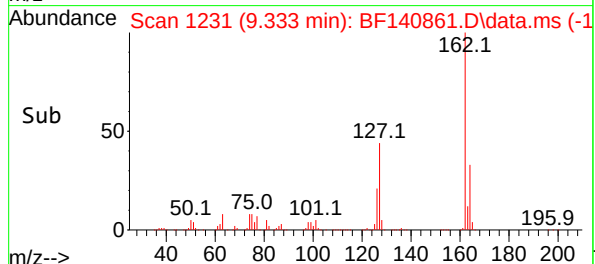
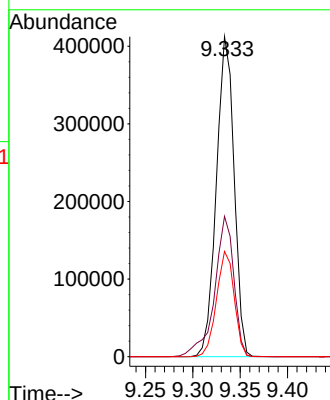
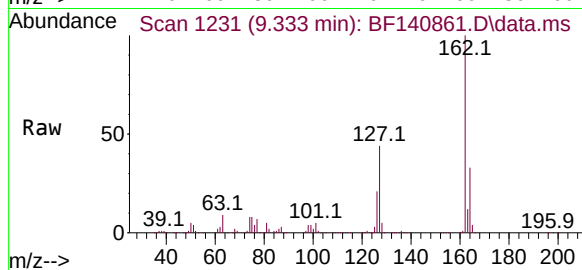
Tgt Ion:162 Resp: 537602

Ion Ratio Lower Upper

162 100

127 43.9 33.5 50.3

164 32.9 26.2 39.2



#48

2-Nitroaniline

Concen: 61.695 ng

RT: 9.439 min Scan# 1249

Delta R.T. 0.006 min

Lab File: BF140861.D

Acq: 16 Dec 2024 15:49

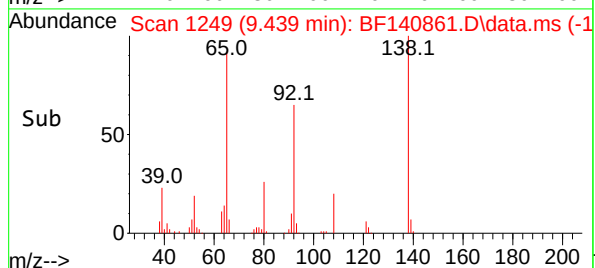
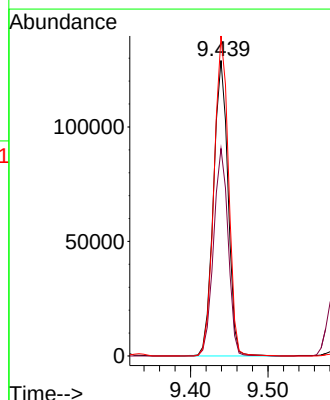
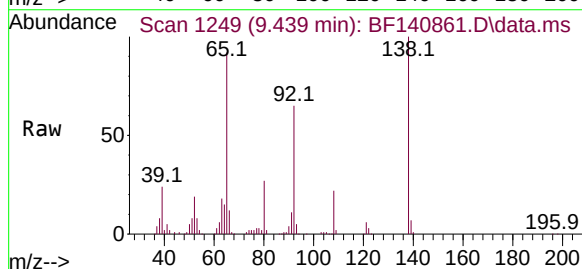
Tgt Ion: 65 Resp: 168378

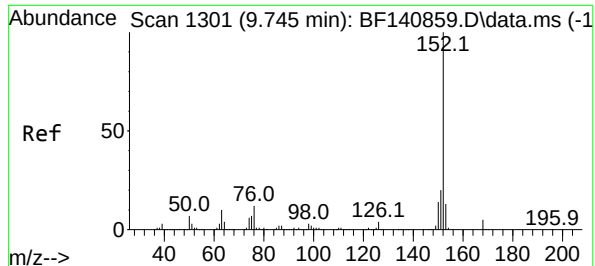
Ion Ratio Lower Upper

65 100

92 70.2 56.3 84.5

138 108.3 83.8 125.6





#49

Acenaphthylene

Concen: 59.836 ng

RT: 9.751 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF140861.D

Acq: 16 Dec 2024 15:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

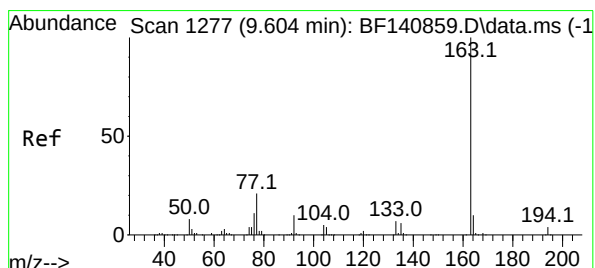
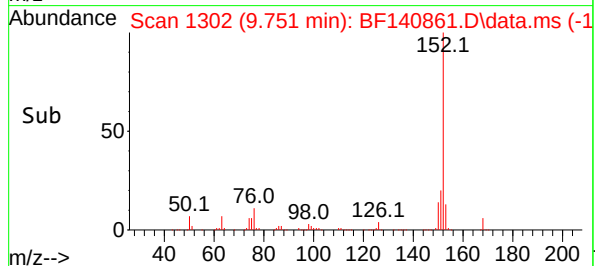
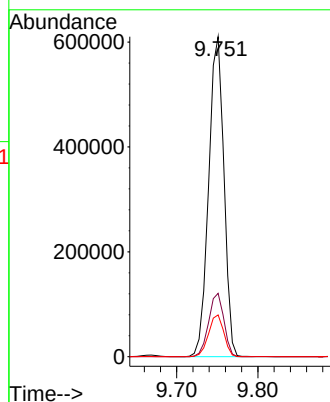
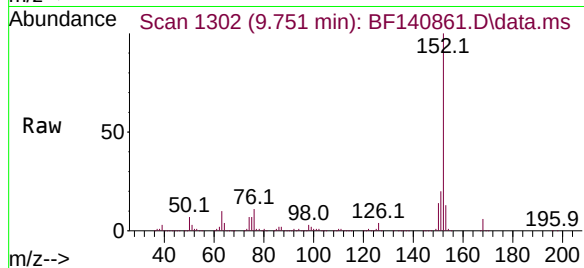
Tgt Ion:152 Resp: 794616

Ion Ratio Lower Upper

152 100

151 19.8 16.0 24.0

153 13.0 10.6 16.0



#50

Dimethylphthalate

Concen: 60.305 ng

RT: 9.610 min Scan# 1278

Delta R.T. 0.006 min

Lab File: BF140861.D

Acq: 16 Dec 2024 15:49

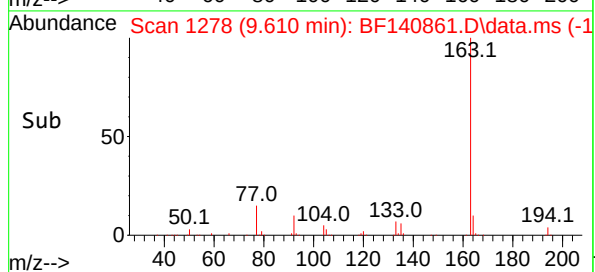
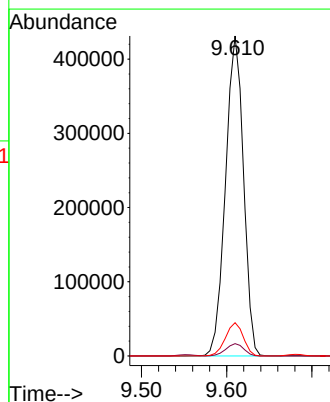
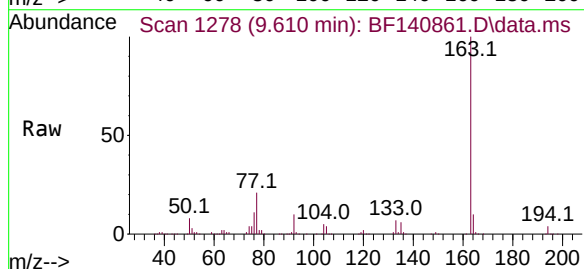
Tgt Ion:163 Resp: 631578

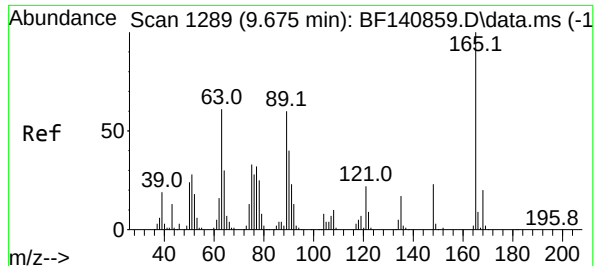
Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

164 10.4 8.1 12.1





#51

2,6-Dinitrotoluene

Concen: 59.771 ng

RT: 9.680 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF140861.D

Acq: 16 Dec 2024 15:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

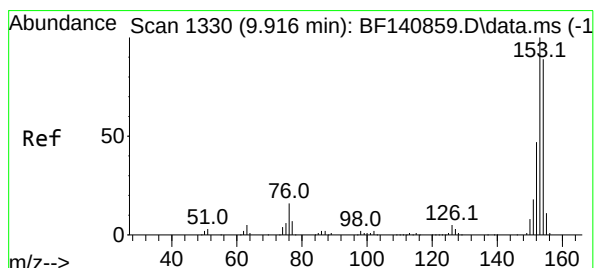
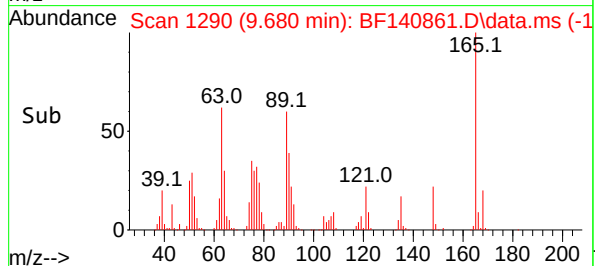
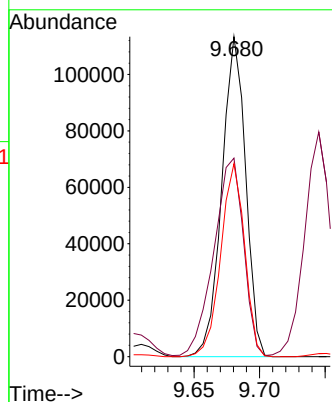
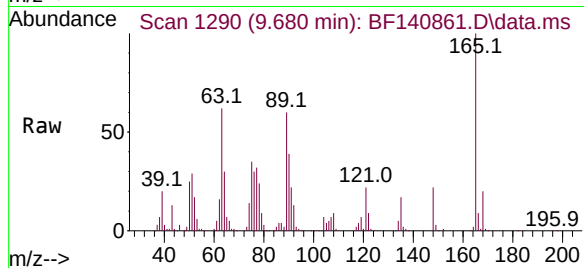
Tgt Ion:165 Resp: 143106

Ion Ratio Lower Upper

165 100

63 62.1 49.7 74.5

89 60.3 48.2 72.4



#52

Acenaphthene

Concen: 60.297 ng

RT: 9.922 min Scan# 1331

Delta R.T. 0.006 min

Lab File: BF140861.D

Acq: 16 Dec 2024 15:49

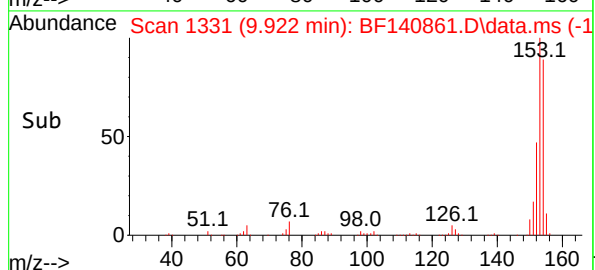
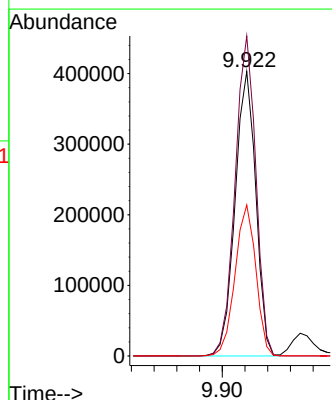
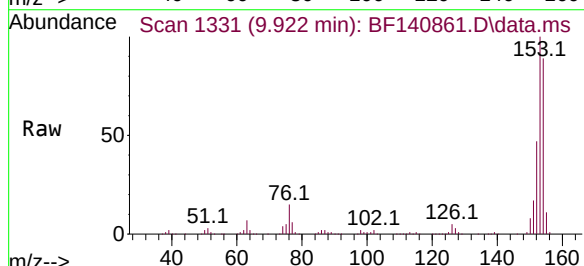
Tgt Ion:154 Resp: 511499

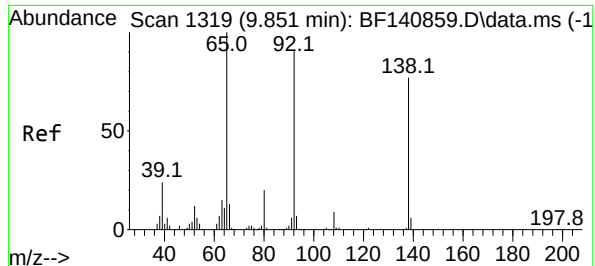
Ion Ratio Lower Upper

154 100

153 112.5 89.9 134.9

152 53.1 42.6 63.8

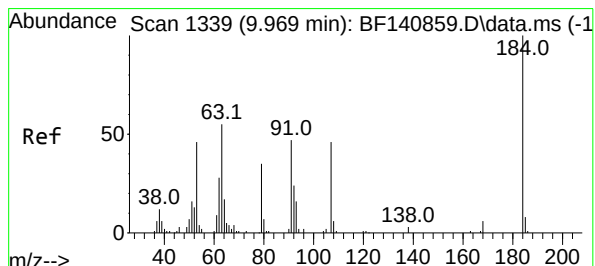
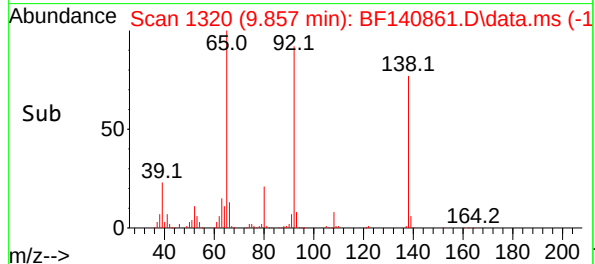
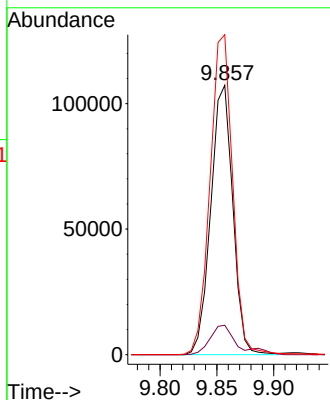
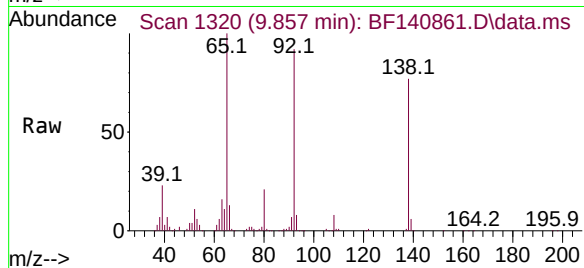




#53
3-Nitroaniline
Concen: 60.971 ng
RT: 9.857 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

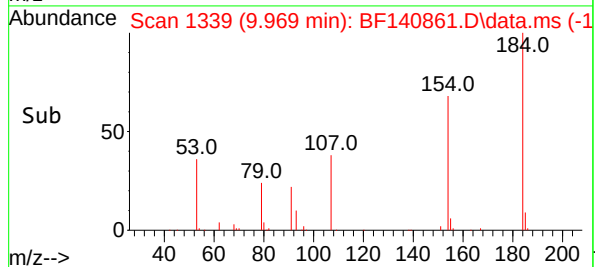
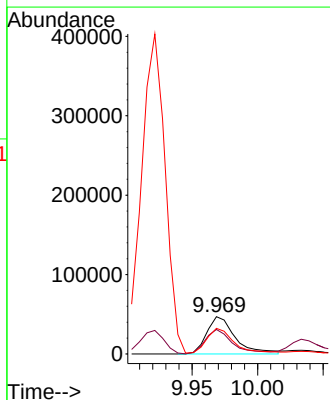
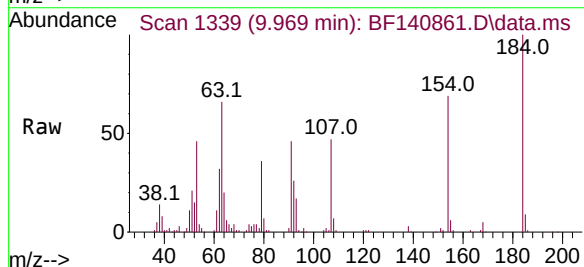
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

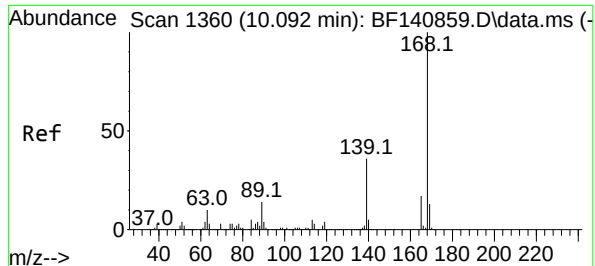
Tgt Ion:138 Resp: 144867
Ion Ratio Lower Upper
138 100
108 10.9 9.0 13.4
92 118.7 95.5 143.3



#54
2,4-Dinitrophenol
Concen: 62.619 ng
RT: 9.969 min Scan# 1339
Delta R.T. -0.000 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

Tgt Ion:184 Resp: 71344
Ion Ratio Lower Upper
184 100
63 65.5 51.6 77.4
154 68.7 56.1 84.1





#55

Dibenzenofuran

Concen: 59.193 ng

RT: 10.092 min Scan# 1360

Delta R.T. -0.000 min

Lab File: BF140861.D

Acq: 16 Dec 2024 15:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

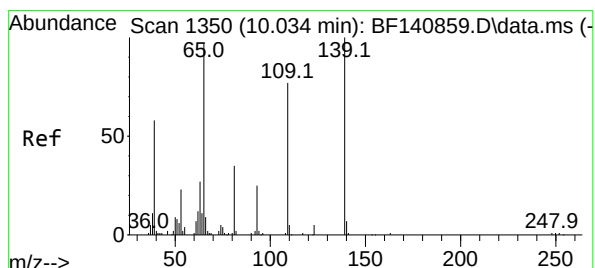
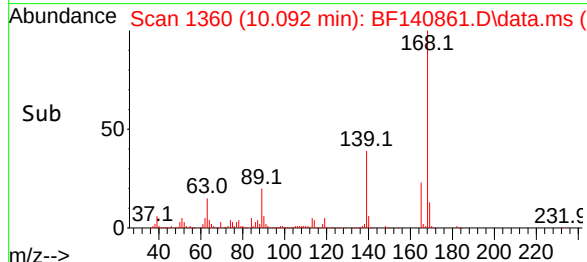
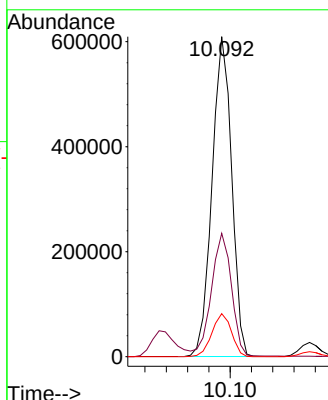
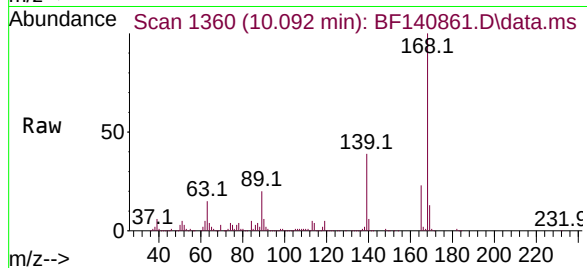
Tgt Ion:168 Resp: 778085

Ion Ratio Lower Upper

168 100

139 38.5 31.1 46.7

169 13.5 10.6 16.0



#56

4-Nitrophenol

Concen: 62.429 ng

RT: 10.033 min Scan# 1350

Delta R.T. -0.001 min

Lab File: BF140861.D

Acq: 16 Dec 2024 15:49

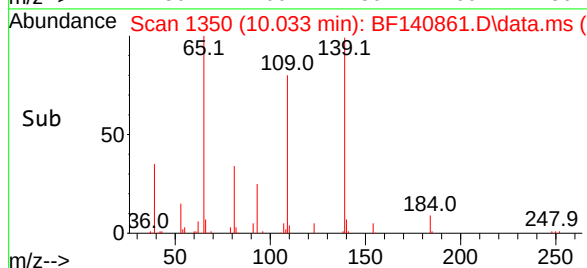
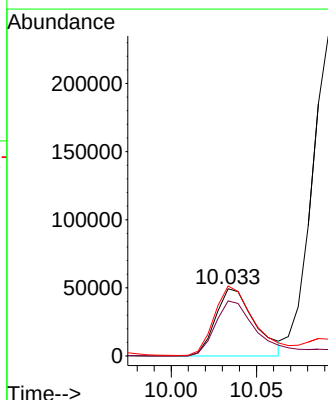
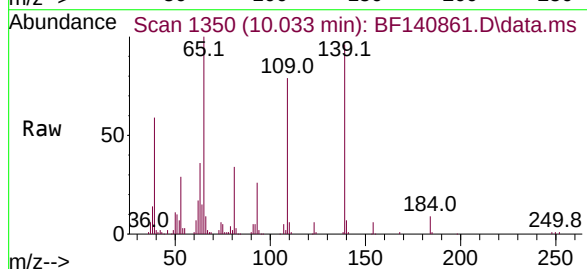
Tgt Ion:139 Resp: 78468

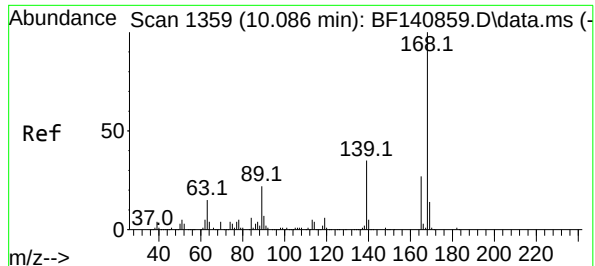
Ion Ratio Lower Upper

139 100

109 81.8 56.7 96.7

65 104.1 78.1 118.1

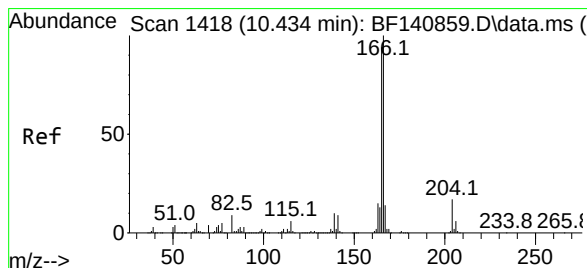
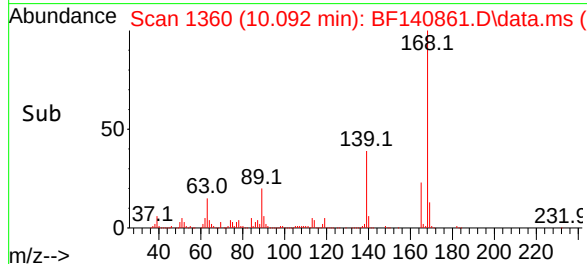
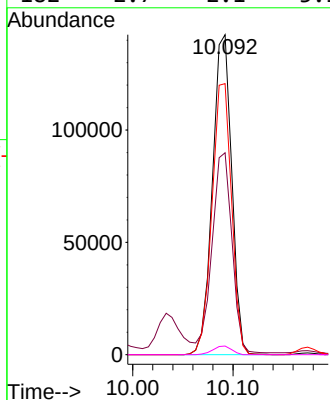
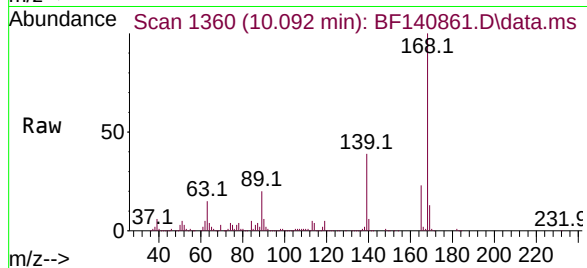




#57
2,4-Dinitrotoluene
Concen: 60.246 ng
RT: 10.092 min Scan# 1360
Delta R.T. 0.006 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

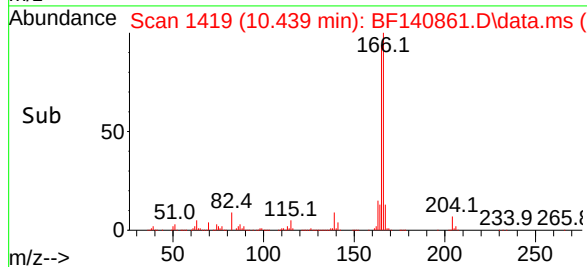
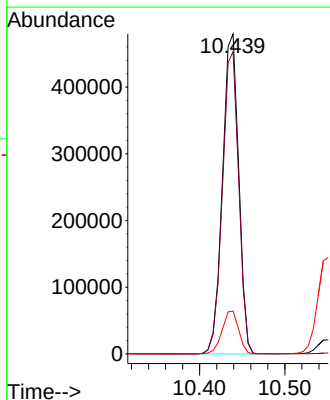
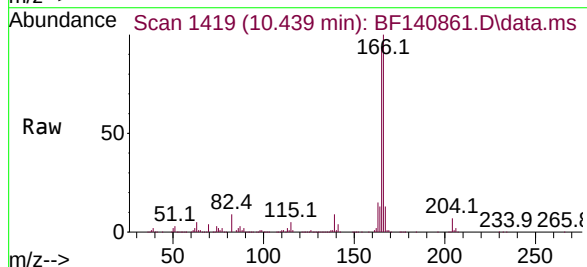
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

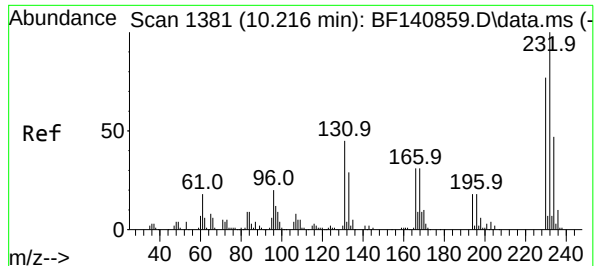
Tgt Ion:165 Resp: 189784
Ion Ratio Lower Upper
165 100
63 63.1 49.3 73.9
89 84.7 66.2 99.4
182 2.7 2.1 3.1



#58
Fluorene
Concen: 58.546 ng
RT: 10.439 min Scan# 1419
Delta R.T. 0.006 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

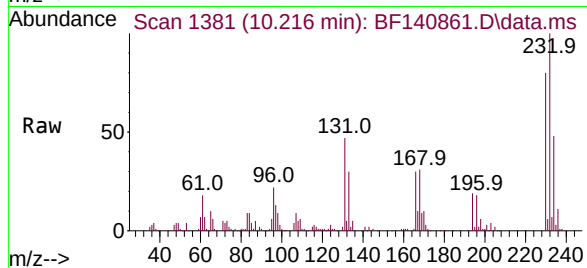
Tgt Ion:166 Resp: 634898
Ion Ratio Lower Upper
166 100
165 94.5 75.1 112.7
167 13.4 11.1 16.7



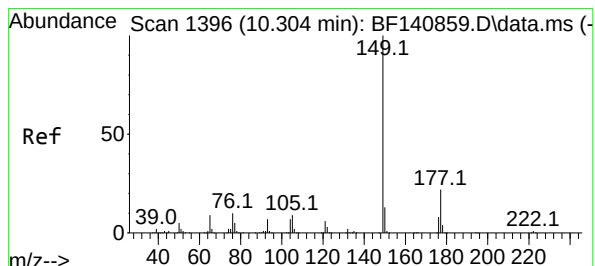
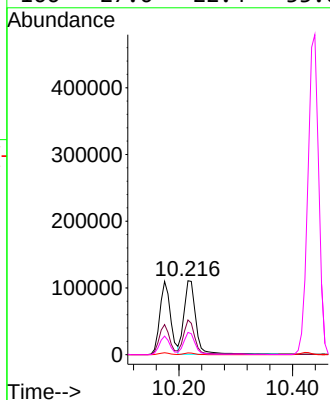
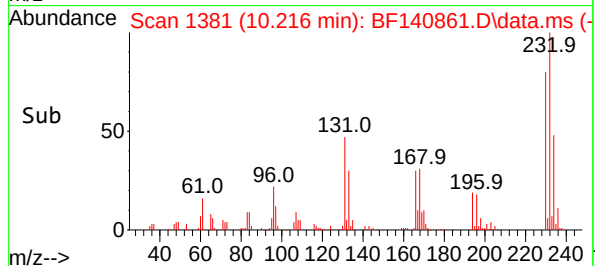


#59
2,3,4,6-Tetrachlorophenol
Concen: 63.281 ng
RT: 10.216 min Scan# 1381
Delta R.T. -0.000 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

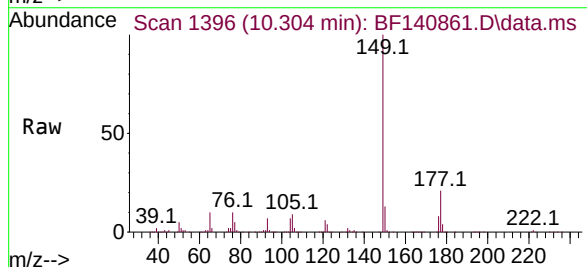
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



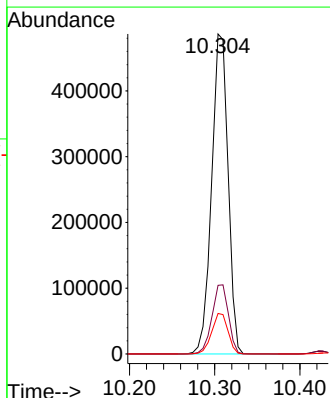
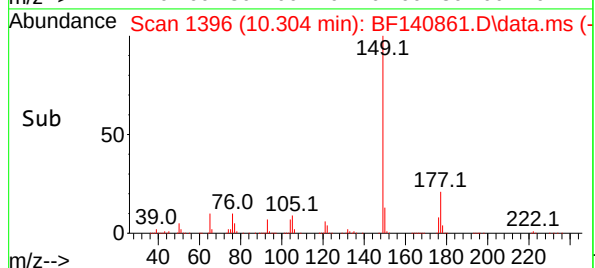
Tgt Ion:232 Resp: 158455
Ion Ratio Lower Upper
232 100
131 44.9 35.1 52.7
130 2.2 1.8 2.8
166 27.6 22.4 33.6

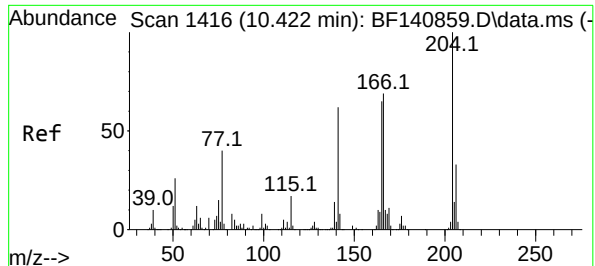


#60
Diethylphthalate
Concen: 59.961 ng
RT: 10.304 min Scan# 1396
Delta R.T. -0.000 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49



Tgt Ion:149 Resp: 651190
Ion Ratio Lower Upper
149 100
177 21.4 17.2 25.8
150 12.6 10.1 15.1

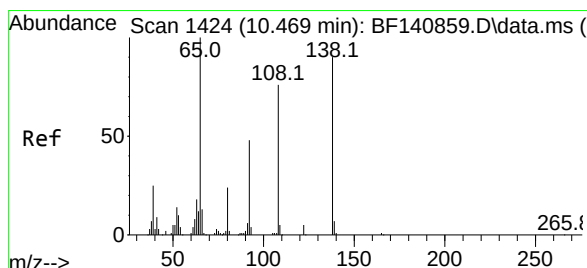
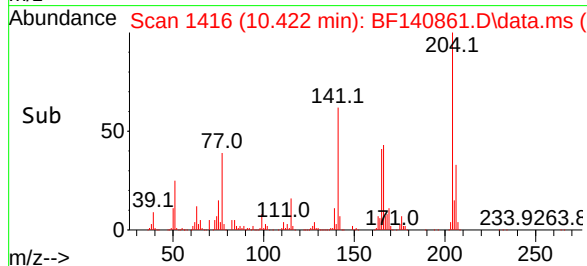
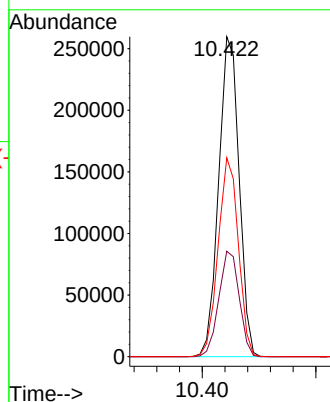
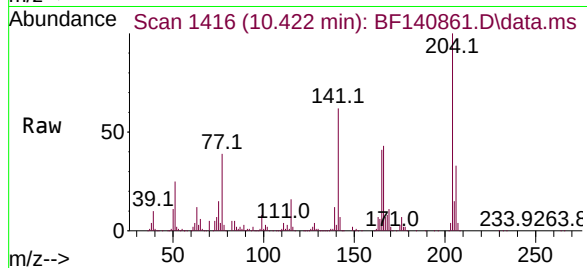




#61
4-Chlorophenyl-phenylether
Concen: 59.539 ng
RT: 10.422 min Scan# 1416
Delta R.T. -0.000 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

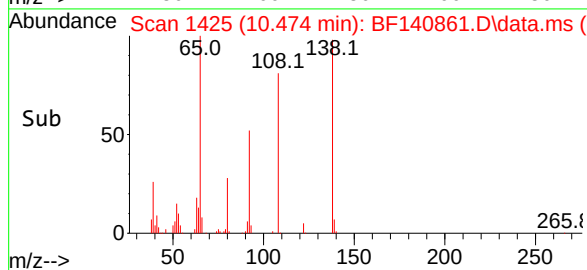
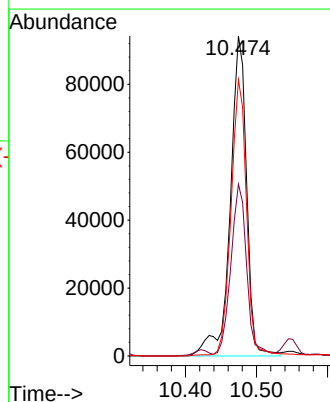
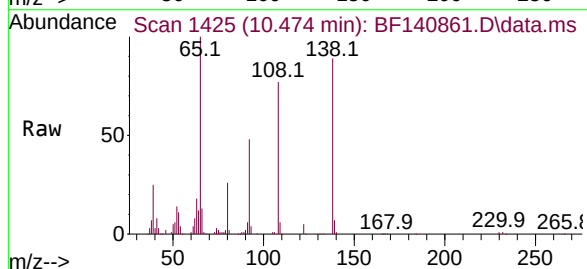
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

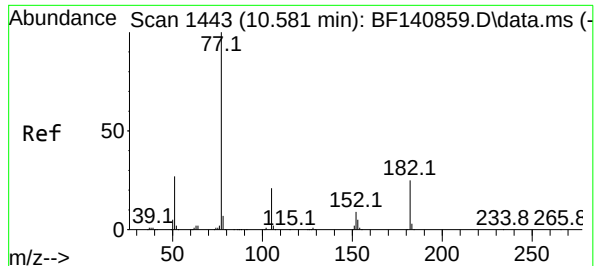
Tgt Ion:204 Resp: 324333
Ion Ratio Lower Upper
204 100
206 33.0 26.5 39.7
141 62.1 50.0 75.0



#62
4-Nitroaniline
Concen: 60.812 ng
RT: 10.474 min Scan# 1425
Delta R.T. 0.006 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

Tgt Ion:138 Resp: 150990
Ion Ratio Lower Upper
138 100
92 53.7 32.6 72.6
108 86.3 64.1 104.1

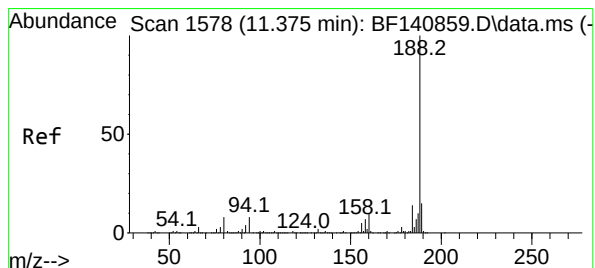
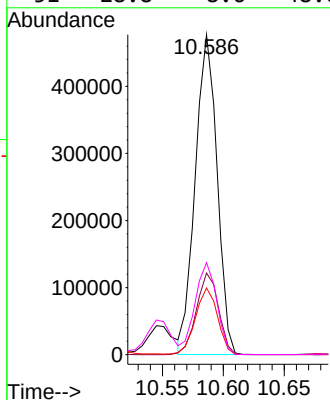
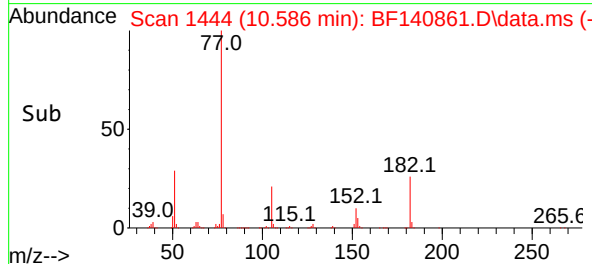
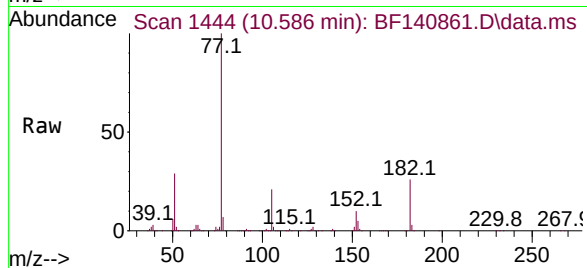




#63
Azobenzene
Concen: 58.245 ng
RT: 10.586 min Scan# 1444
Delta R.T. 0.006 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

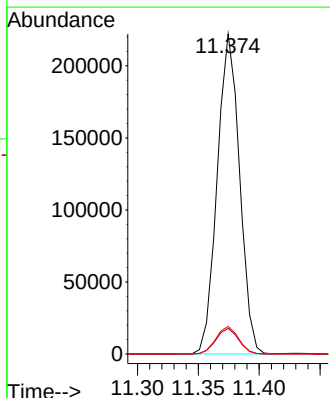
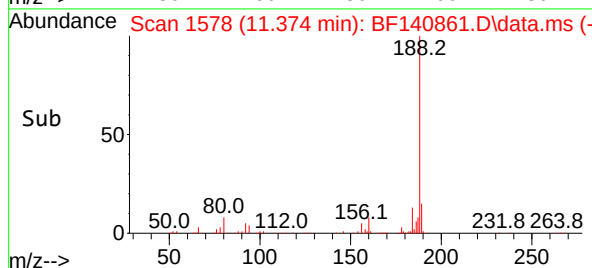
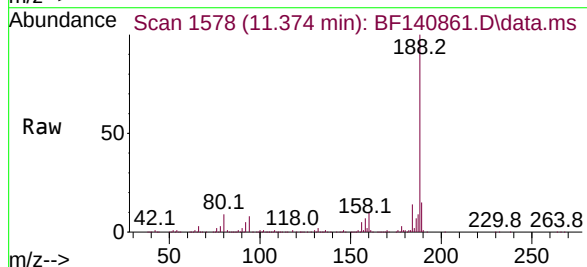
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

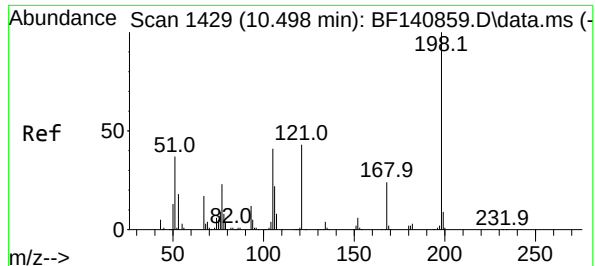
Tgt Ion: 77	Resp: 594674
Ion Ratio	Lower Upper
77 100	
182 25.5	4.5 44.5
105 20.8	0.9 40.9
51 28.8	8.6 48.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 1578
Delta R.T. -0.000 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

Tgt Ion: 188	Resp: 283911
Ion Ratio	Lower Upper
188 100	
94 8.0	6.4 9.6
80 8.6	6.8 10.2

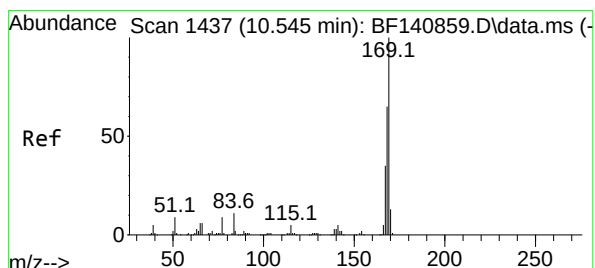
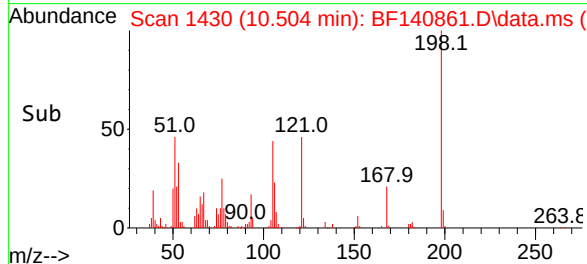
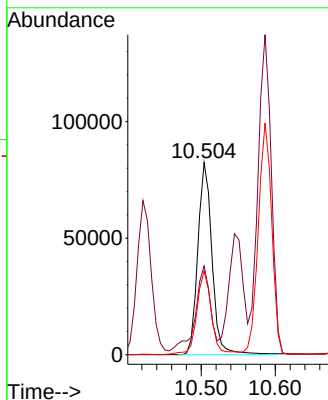
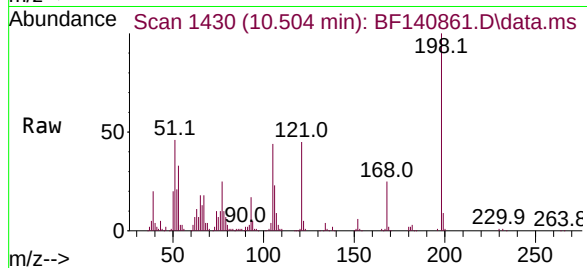




#65
4,6-Dinitro-2-methylphenol
Concen: 68.263 ng
RT: 10.504 min Scan# 1429
Delta R.T. 0.006 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

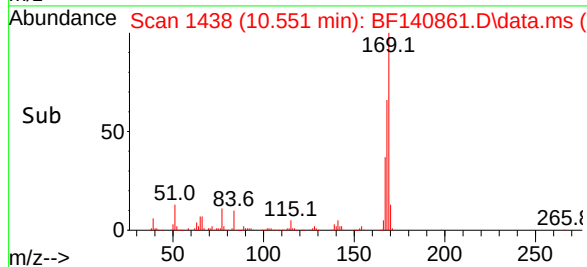
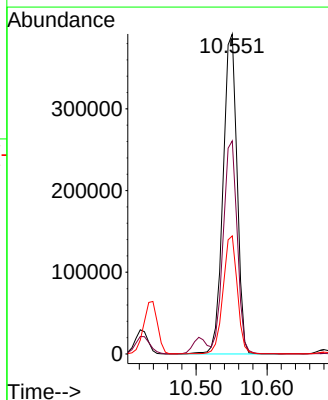
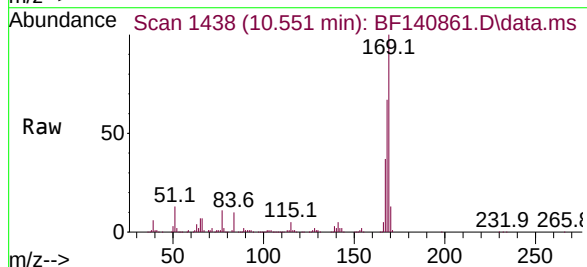
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

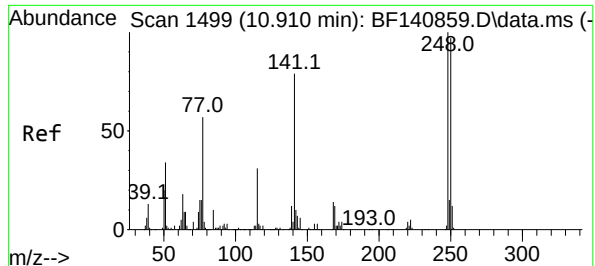
Tgt Ion:198 Resp: 109821
Ion Ratio Lower Upper
198 100
51 46.2 24.4 64.4
105 43.6 22.1 62.1



#66
n-Nitrosodiphenylamine
Concen: 61.058 ng
RT: 10.551 min Scan# 1438
Delta R.T. 0.006 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

Tgt Ion:169 Resp: 532978
Ion Ratio Lower Upper
169 100
168 66.6 53.4 80.0
167 36.9 28.3 42.5

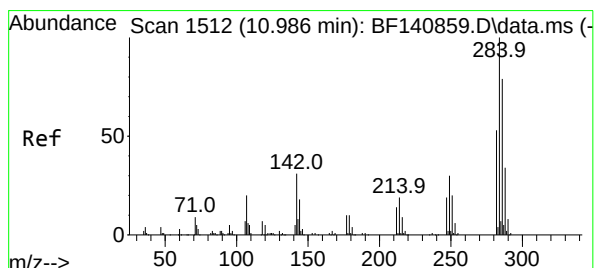
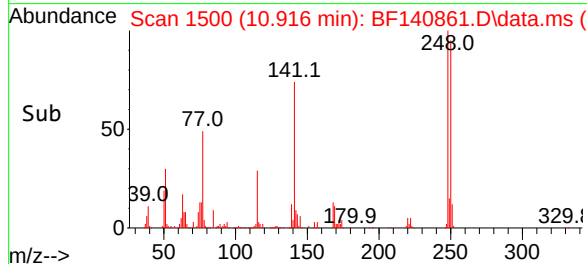
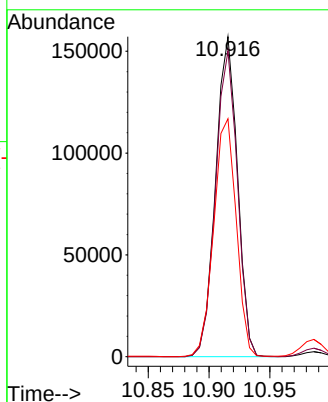
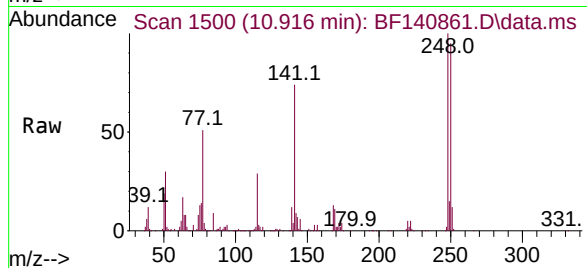




#67
4-Bromophenyl-phenylether
Concen: 61.907 ng
RT: 10.916 min Scan# 1499
Delta R.T. 0.006 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

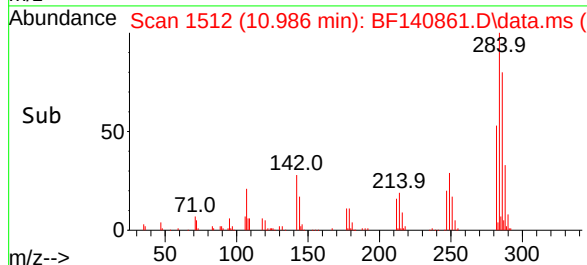
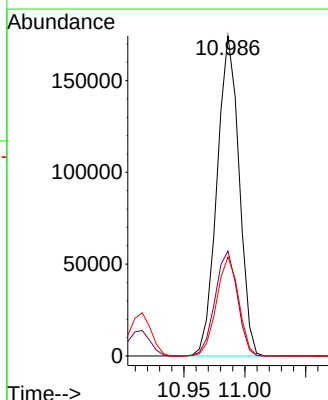
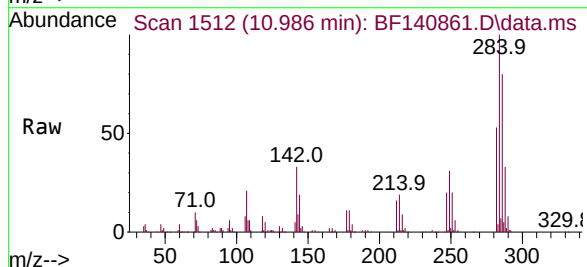
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

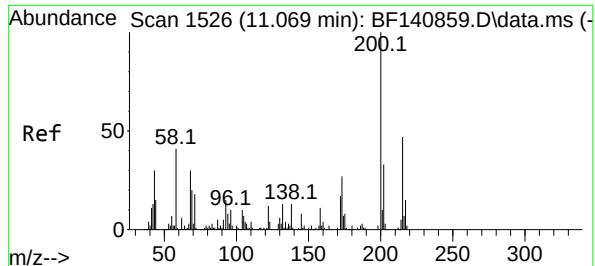
Tgt Ion:248 Resp: 196628
Ion Ratio Lower Upper
248 100
250 95.5 77.4 116.2
141 74.3 62.9 94.3



#68
Hexachlorobenzene
Concen: 61.005 ng
RT: 10.986 min Scan# 1512
Delta R.T. -0.000 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

Tgt Ion:284 Resp: 219687
Ion Ratio Lower Upper
284 100
142 32.8 24.6 36.8
249 31.0 24.3 36.5

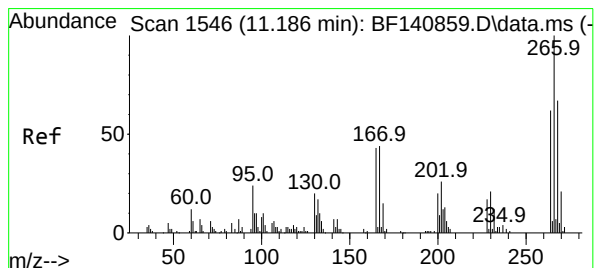
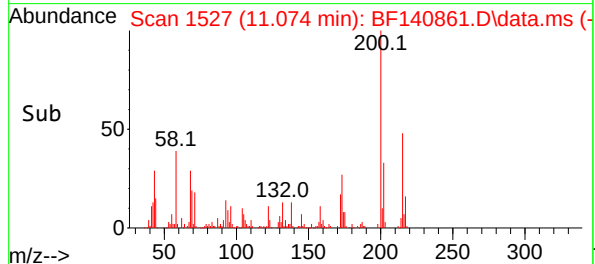
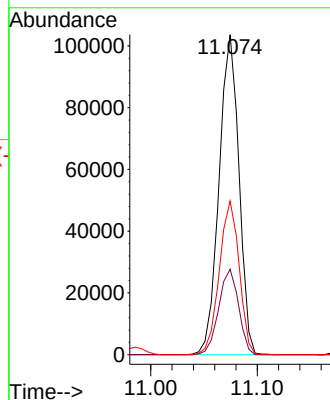
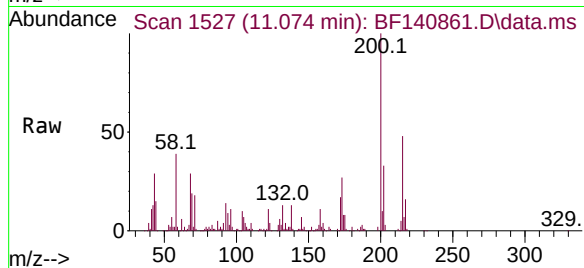




#69
Atrazine
Concen: 54.965 ng
RT: 11.074 min Scan# 1527
Delta R.T. 0.006 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

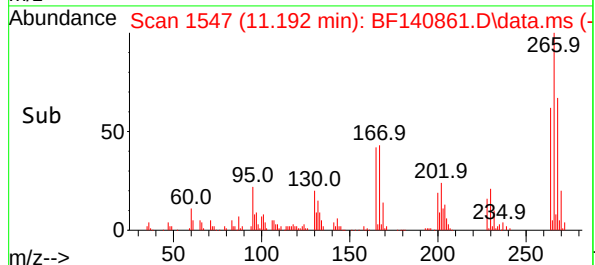
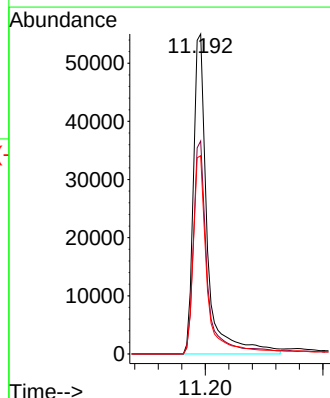
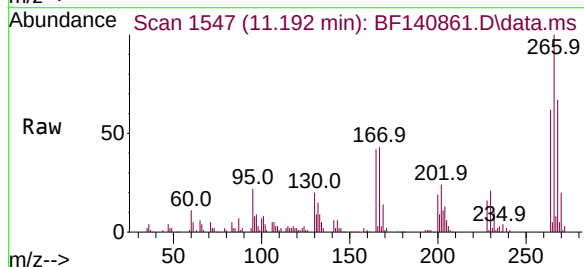
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

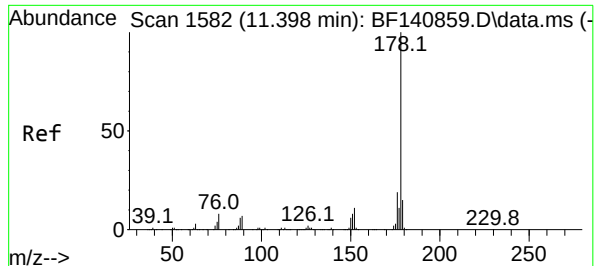
Tgt Ion:200 Resp: 134000
Ion Ratio Lower Upper
200 100
173 26.7 6.6 46.6
215 48.1 26.7 66.7



#70
Pentachlorophenol
Concen: 68.816 ng
RT: 11.192 min Scan# 1547
Delta R.T. 0.006 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

Tgt Ion:266 Resp: 90656
Ion Ratio Lower Upper
266 100
268 66.6 54.0 81.0
264 62.0 49.4 74.2

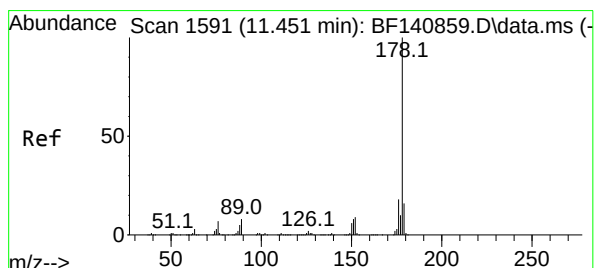
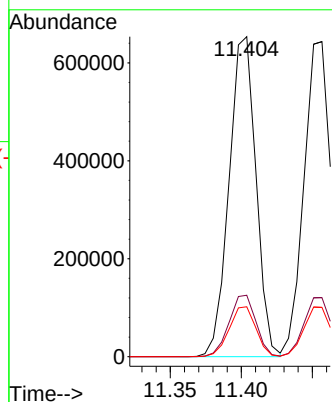
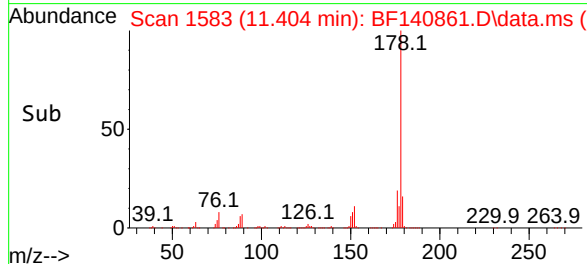
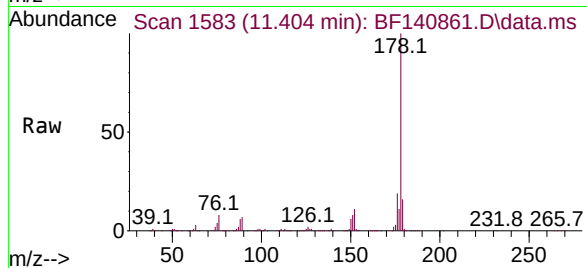




#71
Phenanthrene
Concen: 59.118 ng
RT: 11.404 min Scan# 1583
Delta R.T. 0.006 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

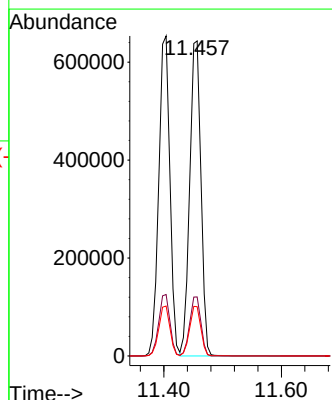
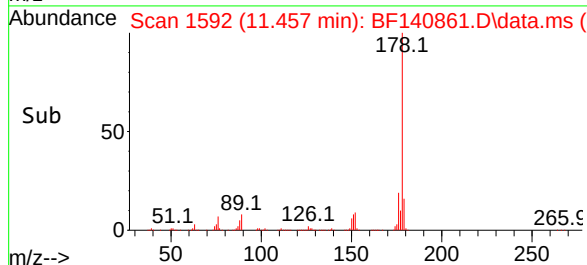
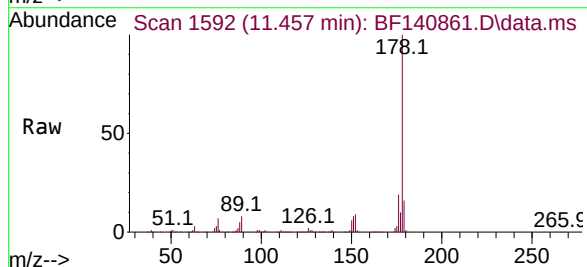
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

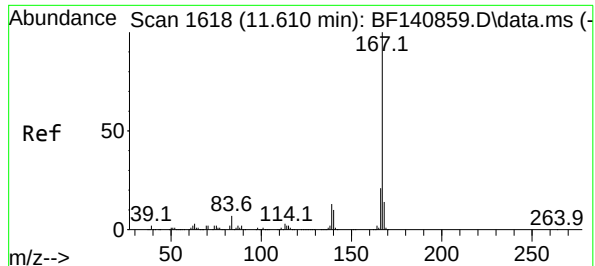
Tgt Ion:178 Resp: 863112
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.2
179 15.6 12.1 18.1



#72
Anthracene
Concen: 59.213 ng
RT: 11.457 min Scan# 1592
Delta R.T. 0.006 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

Tgt Ion:178 Resp: 851368
Ion Ratio Lower Upper
178 100
176 18.8 14.6 22.0
179 15.6 12.6 18.8

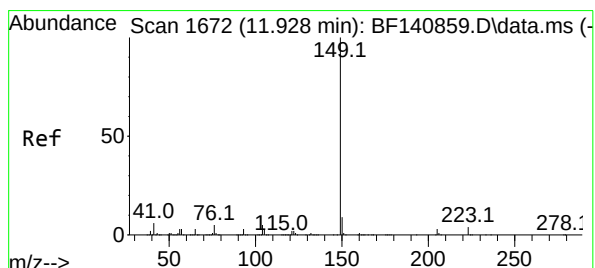
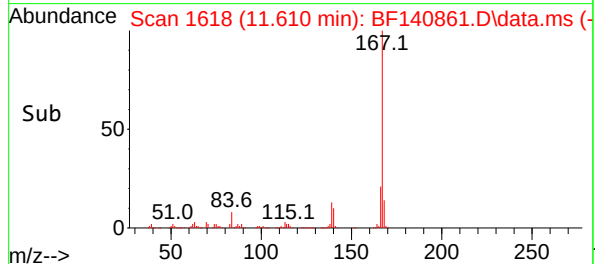
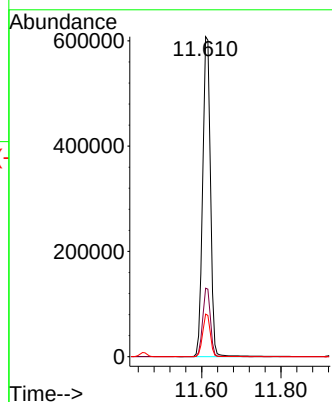
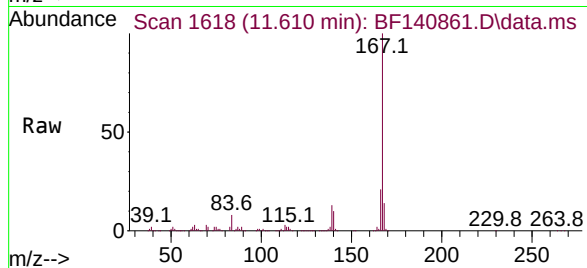




#73
Carbazole
Concen: 58.682 ng
RT: 11.610 min Scan# 1618
Delta R.T. -0.000 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

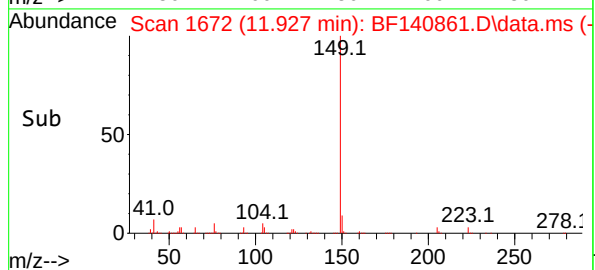
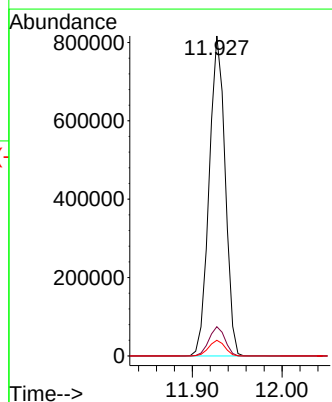
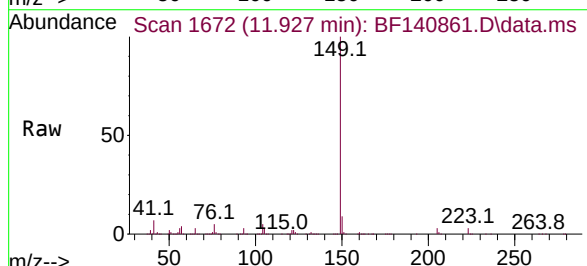
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

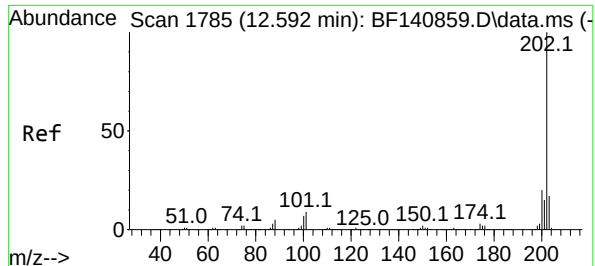
Tgt Ion:167 Resp: 826415
Ion Ratio Lower Upper
167 100
166 21.4 17.0 25.6
139 13.3 10.2 15.2



#74
Di-n-butylphthalate
Concen: 61.102 ng
RT: 11.927 min Scan# 1672
Delta R.T. -0.000 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

Tgt Ion:149 Resp: 1009898
Ion Ratio Lower Upper
149 100
150 9.1 7.5 11.3
104 4.9 3.8 5.8

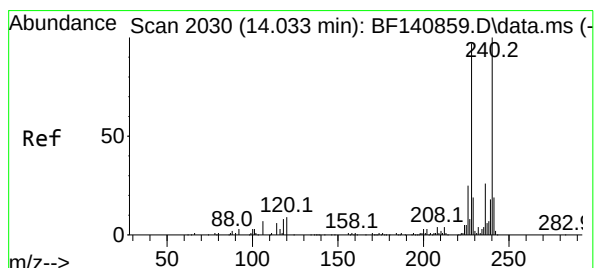
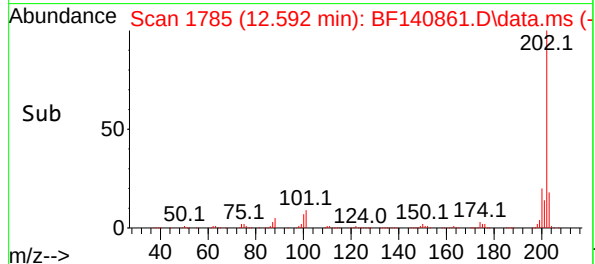
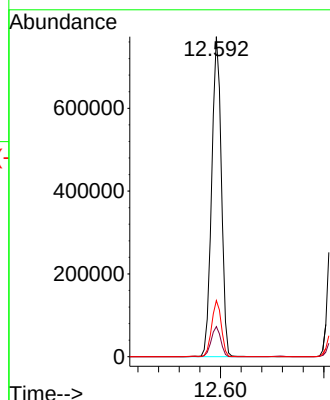
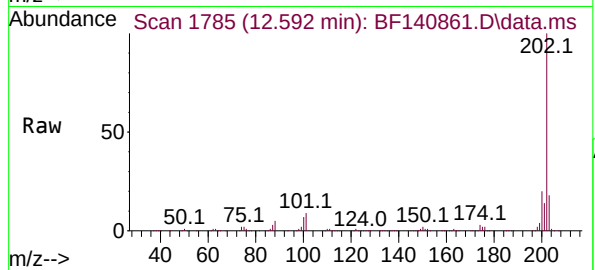




#75
Fluoranthene
Concen: 59.520 ng
RT: 12.592 min Scan# 1785
Delta R.T. -0.000 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

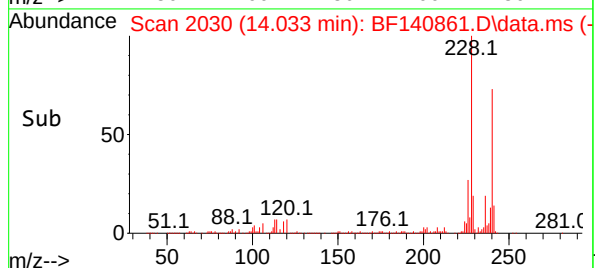
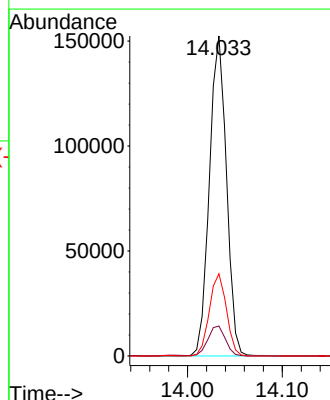
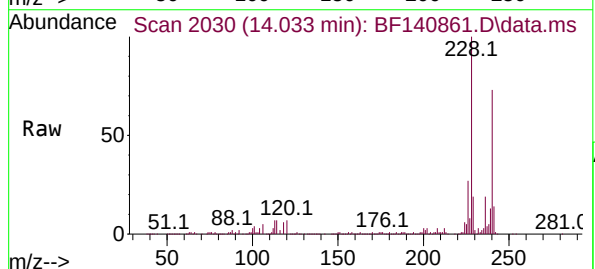
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

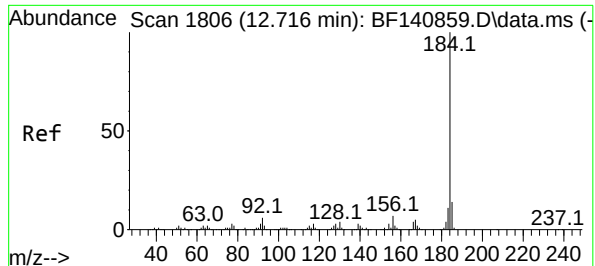
Tgt Ion:202 Resp: 1000773
Ion Ratio Lower Upper
202 100
101 9.4 0.0 29.3
203 17.5 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

Tgt Ion:240 Resp: 189956
Ion Ratio Lower Upper
240 100
120 9.3 7.6 11.4
236 25.7 20.5 30.7

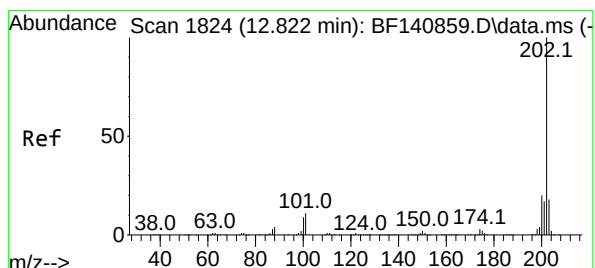
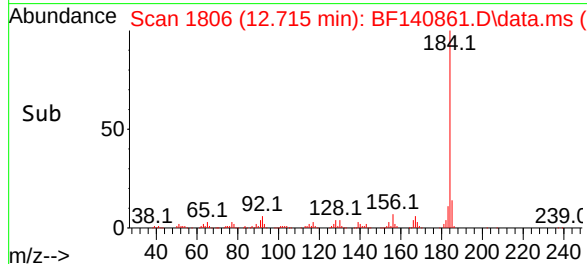
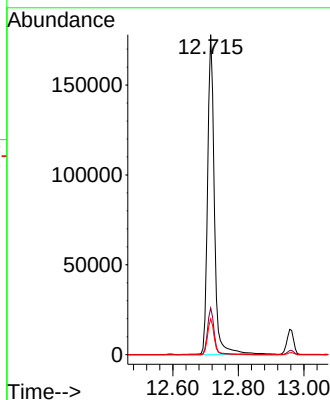
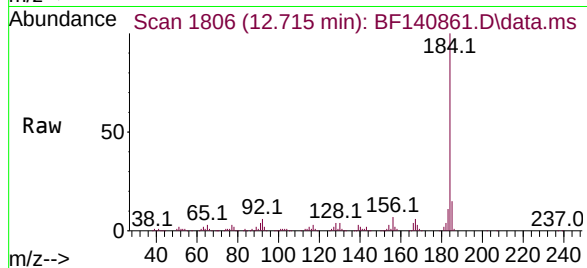




#77
Benzidine
Concen: 66.762 ng
RT: 12.715 min Scan# 1806
Delta R.T. -0.001 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

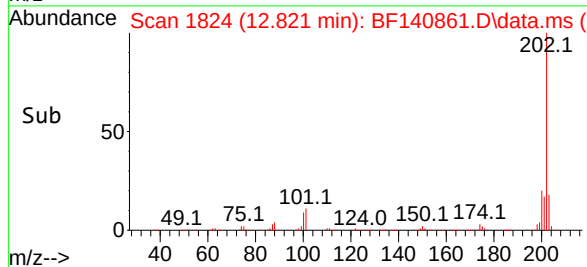
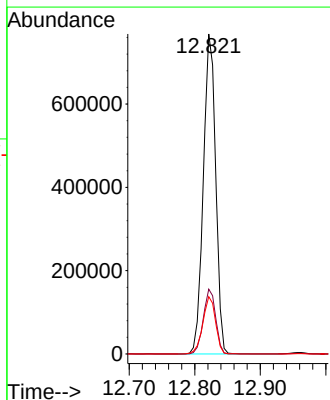
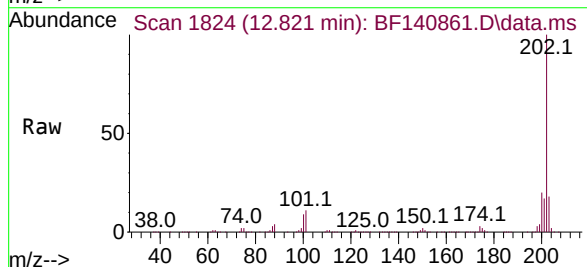
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

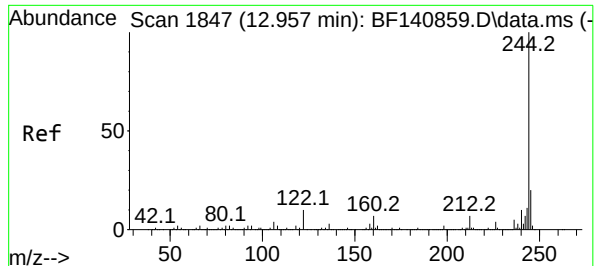
Tgt Ion:184 Resp: 258833
Ion Ratio Lower Upper
184 100
185 14.6 11.1 16.7
183 11.2 9.0 13.4



#78
Pyrene
Concen: 59.679 ng
RT: 12.821 min Scan# 1824
Delta R.T. -0.000 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

Tgt Ion:202 Resp: 1008093
Ion Ratio Lower Upper
202 100
200 20.2 16.1 24.1
203 17.9 14.2 21.4





#79

Terphenyl-d14

Concen: 119.191 ng

RT: 12.963 min Scan# 1848

Delta R.T. 0.006 min

Lab File: BF140861.D

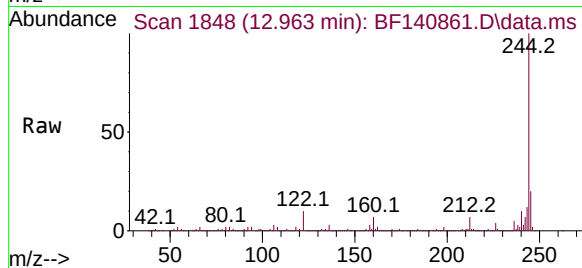
Acq: 16 Dec 2024 15:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC060



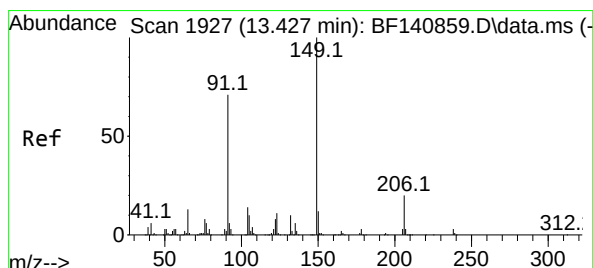
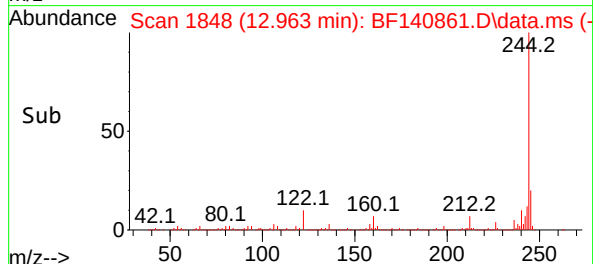
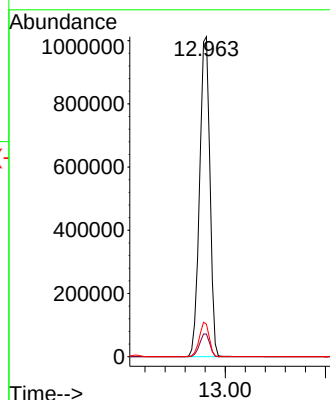
Tgt Ion:244 Resp: 1435829

Ion Ratio Lower Upper

244 100

212 7.1 5.6 8.4

122 10.2 8.2 12.2



#80

Butylbenzylphthalate

Concen: 62.410 ng

RT: 13.427 min Scan# 1927

Delta R.T. -0.000 min

Lab File: BF140861.D

Acq: 16 Dec 2024 15:49

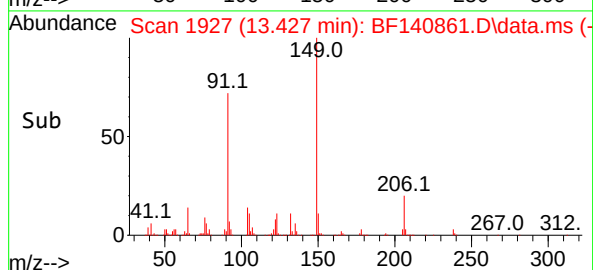
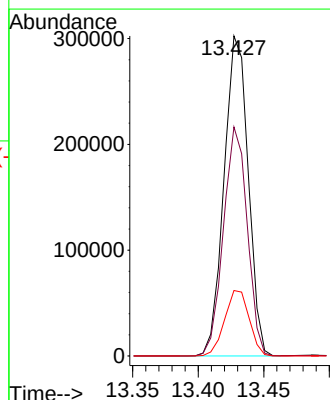
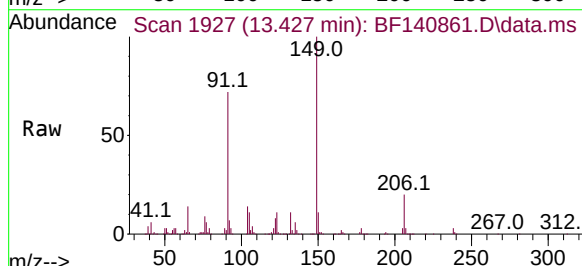
Tgt Ion:149 Resp: 387906

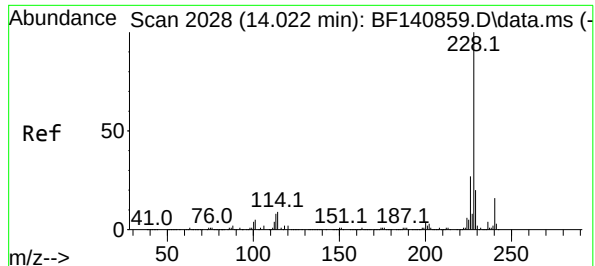
Ion Ratio Lower Upper

149 100

91 71.6 56.7 85.1

206 20.5 16.4 24.6

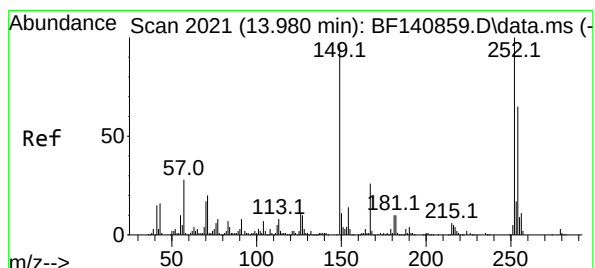
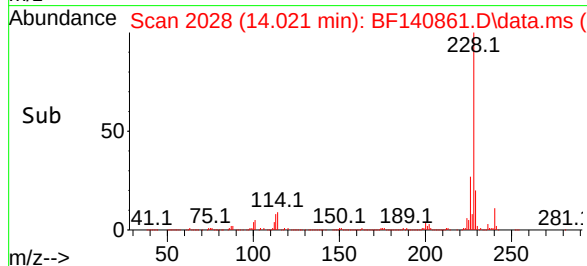
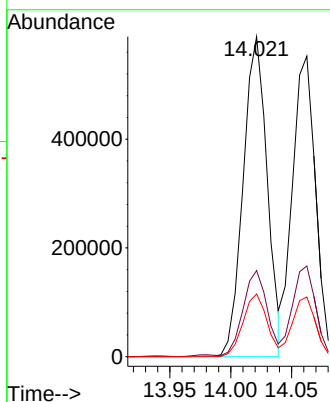
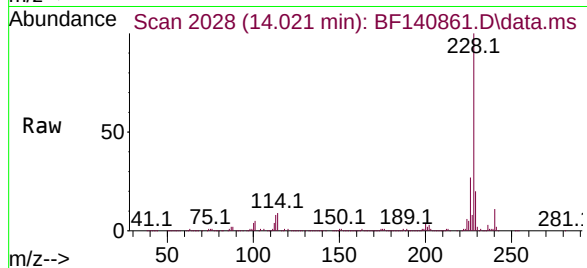




#81
Benzo(a)anthracene
Concen: 60.019 ng
RT: 14.021 min Scan# 2028
Delta R.T. -0.000 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

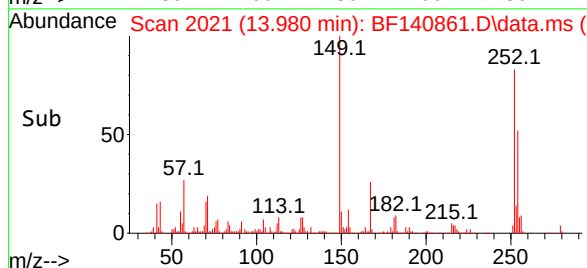
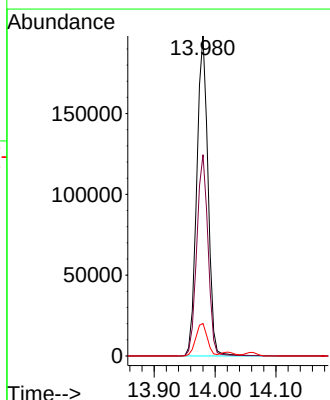
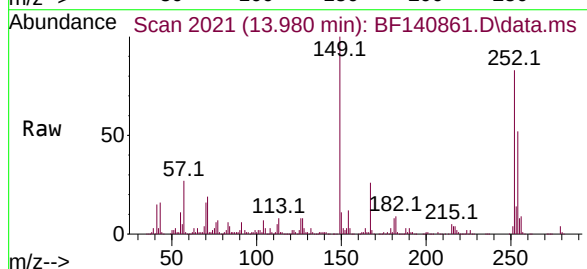
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

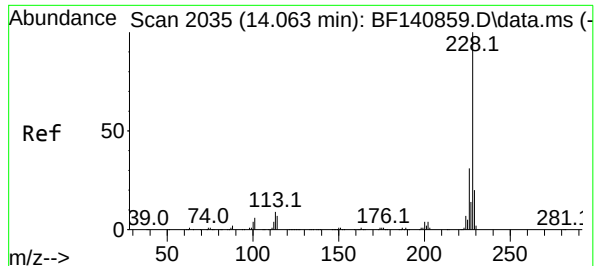
Tgt Ion:228 Resp: 808026
Ion Ratio Lower Upper
228 100
226 26.9 21.8 32.8
229 19.6 15.8 23.8



#82
3,3'-Dichlorobenzidine
Concen: 62.622 ng
RT: 13.980 min Scan# 2021
Delta R.T. -0.000 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

Tgt Ion:252 Resp: 254358
Ion Ratio Lower Upper
252 100
254 62.9 52.3 78.5
126 10.2 8.4 12.6

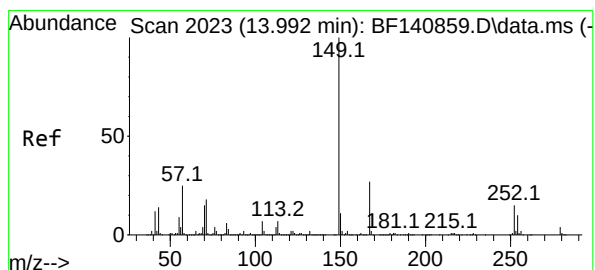
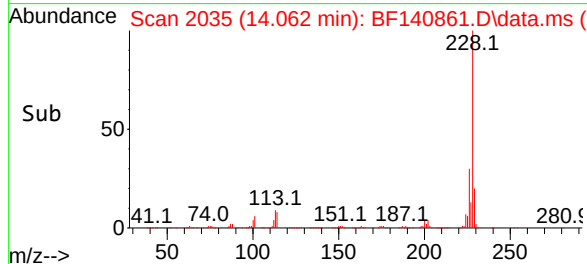
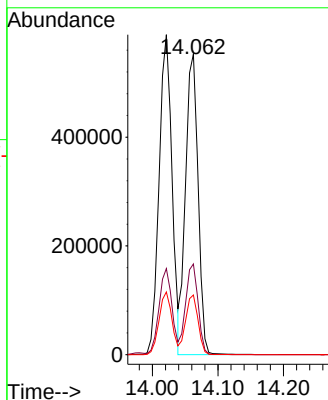
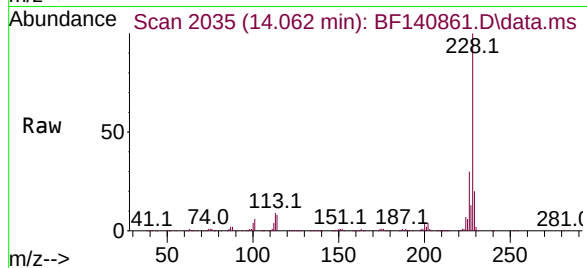




#83
Chrysene
Concen: 59.712 ng
RT: 14.062 min Scan# 2035
Delta R.T. -0.000 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

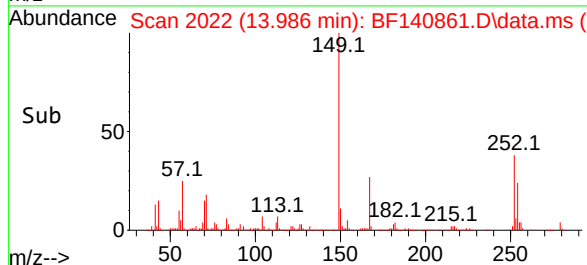
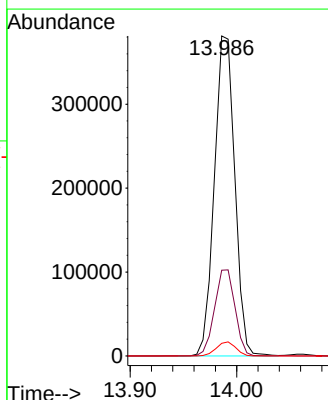
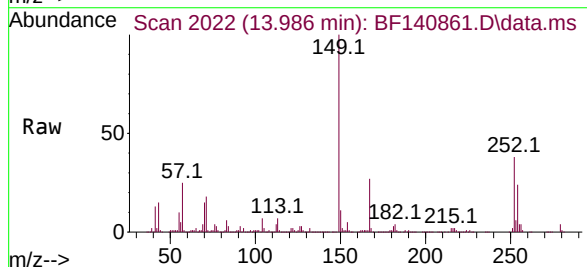
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

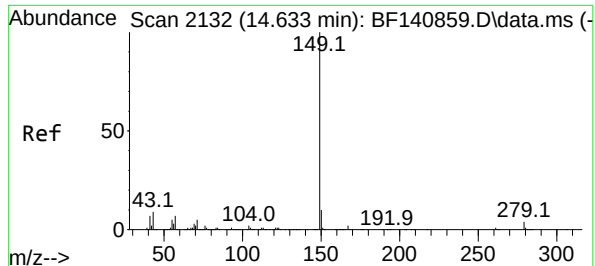
Tgt Ion:228 Resp: 731004
Ion Ratio Lower Upper
228 100
226 30.2 24.1 36.1
229 19.8 16.0 24.0



#84
Bis(2-ethylhexyl)phthalate
Concen: 63.289 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

Tgt Ion:149 Resp: 507221
Ion Ratio Lower Upper
149 100
167 26.8 21.8 32.8
279 4.0 3.5 5.3

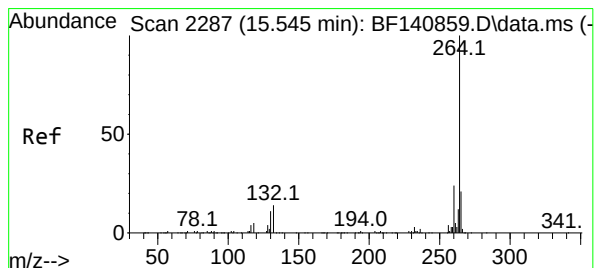
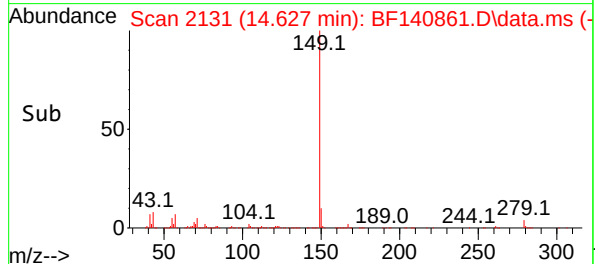
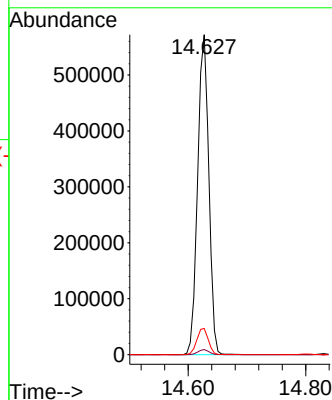
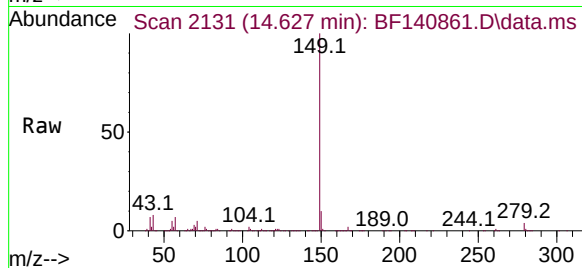




#85
Di-n-octyl phthalate
Concen: 62.220 ng
RT: 14.627 min Scan# 2131
Delta R.T. -0.006 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

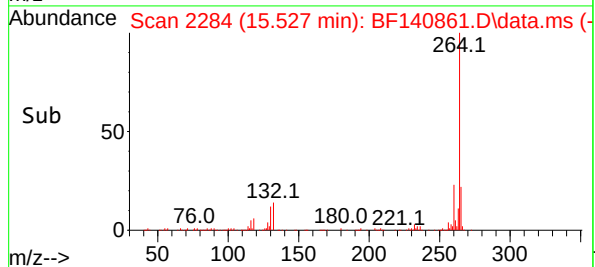
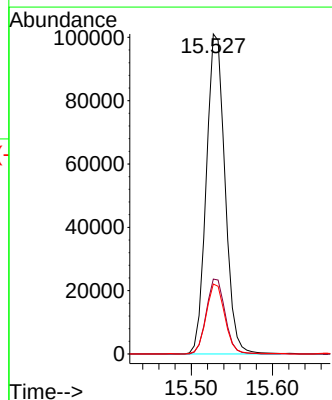
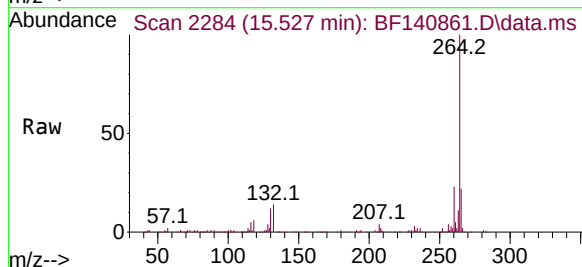
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

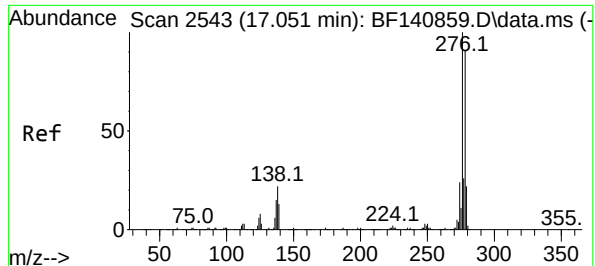
Tgt Ion:149 Resp: 754409
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 8.5 7.0 10.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2284
Delta R.T. -0.018 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

Tgt Ion:264 Resp: 161062
Ion Ratio Lower Upper
264 100
260 23.4 19.1 28.7
265 21.9 17.0 25.4

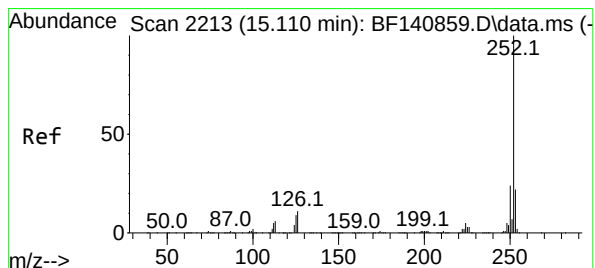
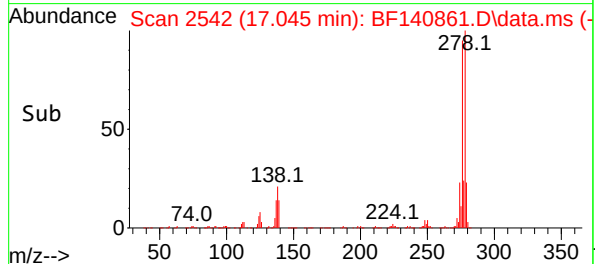
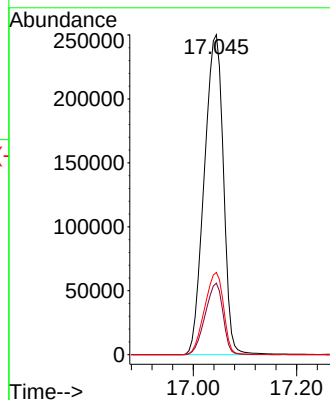
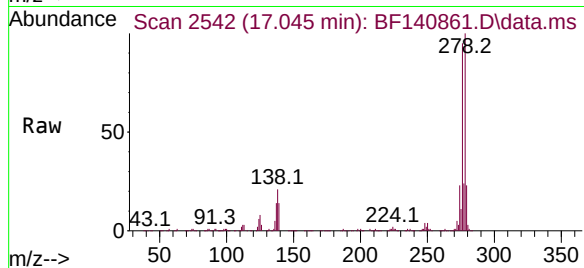




#87
Indeno(1,2,3-cd)pyrene
Concen: 63.934 ng
RT: 17.045 min Scan# 2111
Delta R.T. -0.006 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

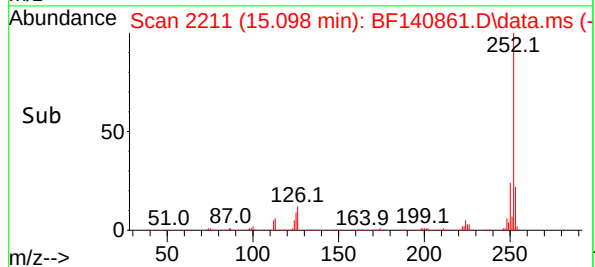
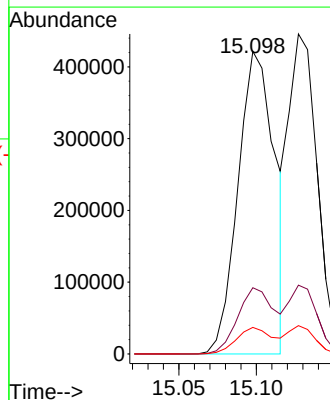
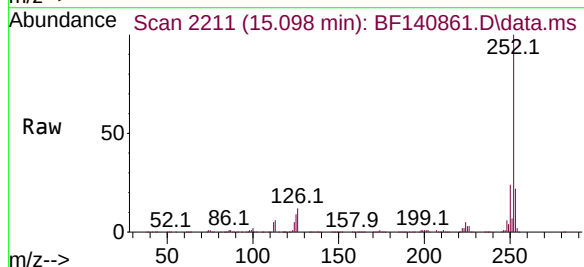
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

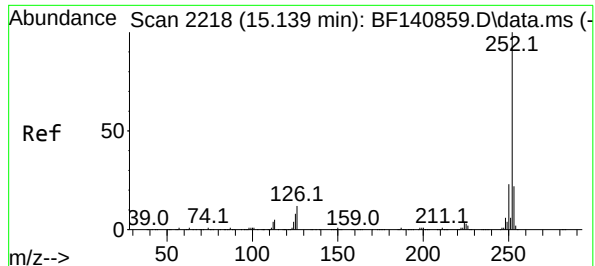
Tgt Ion:276 Resp: 642591
Ion Ratio Lower Upper
276 100
138 20.9 16.9 25.3
277 25.5 20.2 30.4



#88
Benzo(b)fluoranthene
Concen: 62.306 ng
RT: 15.098 min Scan# 2211
Delta R.T. -0.012 min
Lab File: BF140861.D
Acq: 16 Dec 2024 15:49

Tgt Ion:252 Resp: 696582
Ion Ratio Lower Upper
252 100
253 21.9 17.8 26.6
125 8.8 7.0 10.4





#89

Benzo(k)fluoranthene

Concen: 59.574 ng

RT: 15.127 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF140861.D

Acq: 16 Dec 2024 15:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

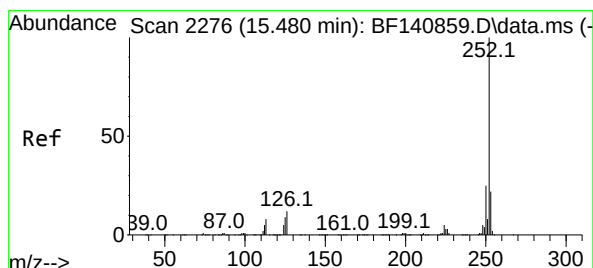
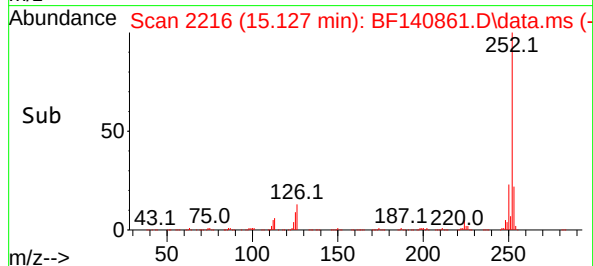
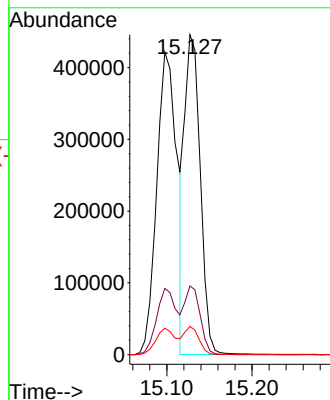
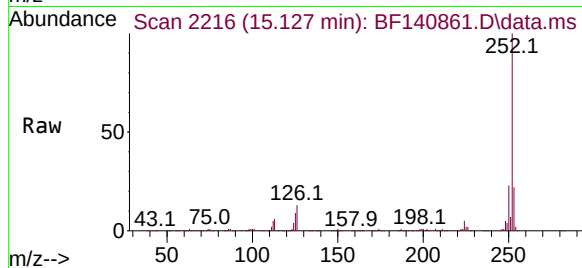
Tgt Ion:252 Resp: 571329

Ion Ratio Lower Upper

252 100

253 21.5 17.5 26.3

125 8.8 6.8 10.2



#90

Benzo(a)pyrene

Concen: 61.920 ng

RT: 15.474 min Scan# 2275

Delta R.T. -0.006 min

Lab File: BF140861.D

Acq: 16 Dec 2024 15:49

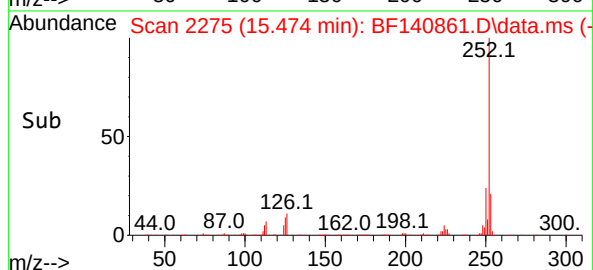
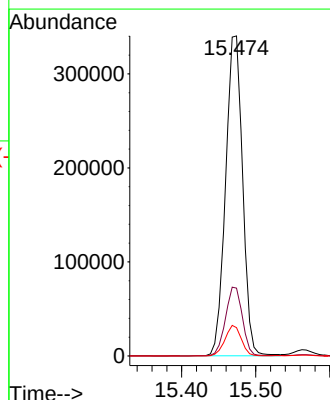
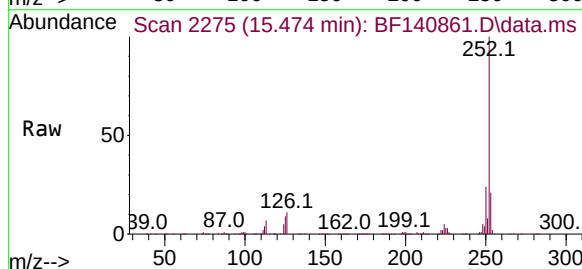
Tgt Ion:252 Resp: 542075

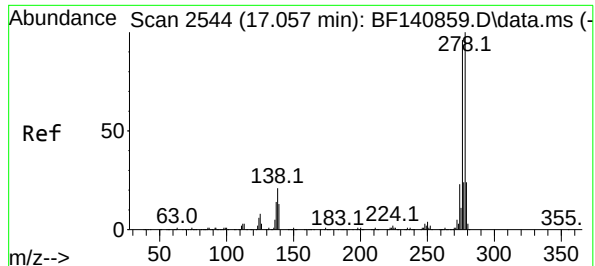
Ion Ratio Lower Upper

252 100

253 21.2 17.5 26.3

125 8.9 7.5 11.3





#91

Dibenzo(a,h)anthracene

Concen: 64.789 ng

RT: 17.050 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF140861.D

Acq: 16 Dec 2024 15:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

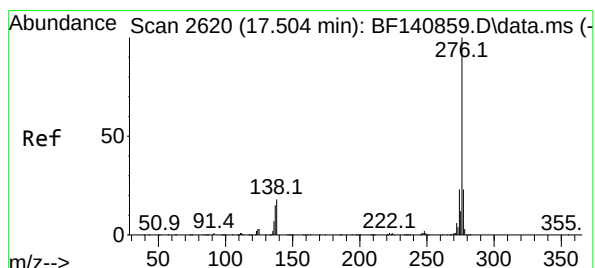
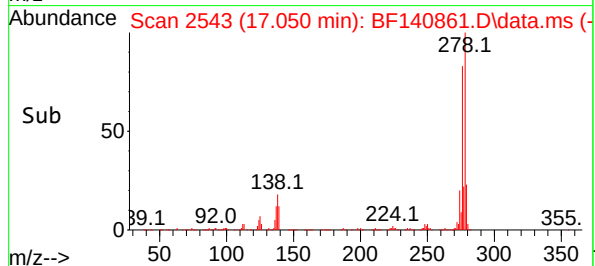
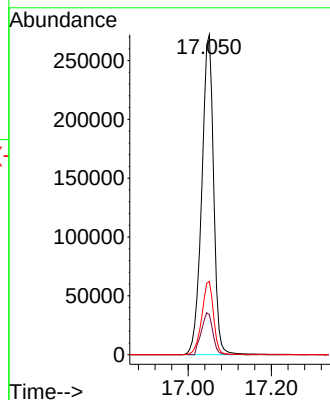
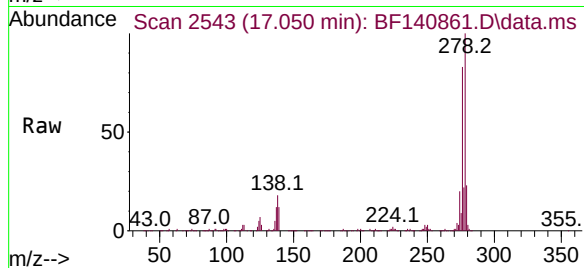
Tgt Ion:278 Resp: 539476

Ion Ratio Lower Upper

278 100

139 12.5 10.6 16.0

279 22.9 19.2 28.8



#92

Benzo(g,h,i)perylene

Concen: 62.602 ng

RT: 17.498 min Scan# 2619

Delta R.T. -0.006 min

Lab File: BF140861.D

Acq: 16 Dec 2024 15:49

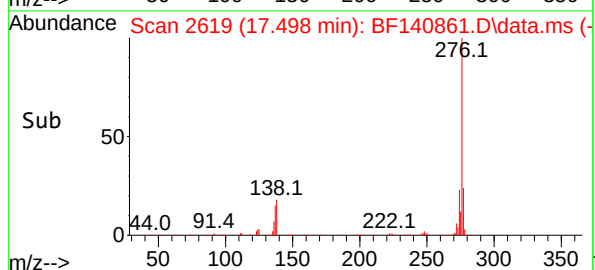
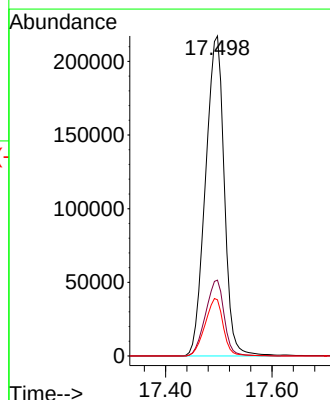
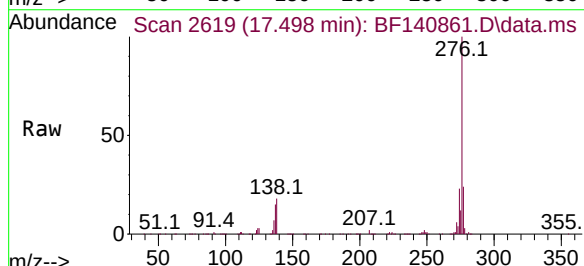
Tgt Ion:276 Resp: 530525

Ion Ratio Lower Upper

276 100

277 23.7 18.7 28.1

138 17.5 14.2 21.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
 Data File : BF140862.D
 Acq On : 16 Dec 2024 16:15
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC080

Quant Time: Dec 16 16:52:00 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 16 16:38:27 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	82694	20.000	ng	0.00
21) Naphthalene-d8	8.134	136	323165	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	169321	20.000	ng	0.00
64) Phenanthrene-d10	11.375	188	364516	20.000	ng	0.00
76) Chrysene-d12	14.033	240	182739	20.000	ng	0.00
86) Perylene-d12	15.539	264	171569	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	732058	145.730	ng	0.00
7) Phenol-d6	6.510	99	982302	147.637	ng	0.01
23) Nitrobenzene-d5	7.428	82	947083	146.623	ng	0.01
42) 2,4,6-Tribromophenol	10.686	330	304721	152.164	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	2054327	166.807	ng	0.00
79) Terphenyl-d14	12.963	244	2018997	174.221	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.616	88	162832	75.255	ng	98
3) Pyridine	3.399	79	375906	75.017	ng	99
4) n-Nitrosodimethylamine	3.375	42	194050	76.818	ng	97
6) Aniline	6.528	93	399627	70.247	ng	92
8) 2-Chlorophenol	6.651	128	406710	74.245	ng	99
9) Benzaldehyde	6.410	77	219459	59.528	ng	99
10) Phenol	6.522	94	507289	73.564	ng	100
11) bis(2-Chloroethyl)ether	6.593	93	389038	75.649	ng	99
12) 1,3-Dichlorobenzene	6.792	146	461108	73.871	ng	99
13) 1,4-Dichlorobenzene	6.869	146	462233	72.952	ng	99
14) 1,2-Dichlorobenzene	7.022	146	437177	73.129	ng	98
15) Benzyl Alcohol	7.004	79	349382	73.442	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.122	45	449685	74.228	ng	85
17) 2-Methylphenol	7.122	107	328432	75.095	ng	99
18) Hexachloroethane	7.357	117	176920	75.005	ng	98
19) n-Nitroso-di-n-propyla...	7.275	70	288752	72.349	ng	99
20) 3+4-Methylphenols	7.275	107	421165	72.622	ng	97
22) Acetophenone	7.269	105	576358	71.295	ng	# 99
24) Nitrobenzene	7.445	77	484693	73.246	ng	98
25) Isophorone	7.681	82	815074	75.310	ng	99
26) 2-Nitrophenol	7.757	139	232926	76.426	ng	98
27) 2,4-Dimethylphenol	7.798	122	270864	76.101	ng	98
28) bis(2-Chloroethoxy)met...	7.881	93	508754	75.263	ng	98
29) 2,4-Dichlorophenol	8.004	162	374434	76.199	ng	99
30) 1,2,4-Trichlorobenzene	8.075	180	420429	74.635	ng	99
31) Naphthalene	8.157	128	1318982	74.301	ng	100
32) Benzoic acid	7.969	122	284705	84.342	ng	98
33) 4-Chloroaniline	8.216	127	451539	76.586	ng	99
34) Hexachlorobutadiene	8.263	225	282790	74.615	ng	99
35) Caprolactam	8.616	113	125537m	85.813	ng	
36) 4-Chloro-3-methylphenol	8.704	107	449654	81.301	ng	97
37) 2-Methylnaphthalene	8.845	142	942892	80.295	ng	100
38) 1-Methylnaphthalene	8.945	142	925535	79.695	ng	100
40) 1,2,4,5-Tetrachloroben...	9.010	216	466438	89.625	ng	99
41) Hexachlorocyclopentadiene	8.992	237	149909	80.025	ng	99
43) 2,4,6-Trichlorophenol	9.134	196	301828	94.714	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
 Data File : BF140862.D
 Acq On : 16 Dec 2024 16:15
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC080

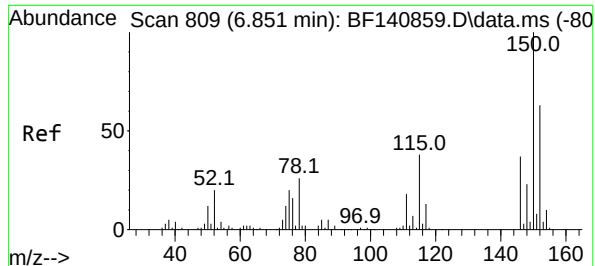
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 16 16:38:27 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.181	196	321402	91.760	ng	99
46) 1,1'-Biphenyl	9.310	154	1186930	88.155	ng	99
47) 2-Chloronaphthalene	9.339	162	927799	90.075	ng	99
48) 2-Nitroaniline	9.439	65	289810	93.162	ng	99
49) Acenaphthylene	9.751	152	1169747	77.278	ng	100
50) Dimethylphthalate	9.616	163	1049196	87.890	ng	100
51) 2,6-Dinitrotoluene	9.686	165	240439	88.104	ng	95
52) Acenaphthene	9.922	154	710789	73.511	ng	100
53) 3-Nitroaniline	9.857	138	208004	76.804	ng	98
54) 2,4-Dinitrophenol	9.975	184	106230	79.797	ng	95
55) Dibenzofuran	10.092	168	1071923	71.543	ng	100
56) 4-Nitrophenol	10.039	139	112972	77.685	ng	96
57) 2,4-Dinitrotoluene	10.092	165	263636	73.423	ng	99
58) Fluorene	10.439	166	904163	73.147	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.222	232	230812	80.870	ng	99
60) Diethylphthalate	10.310	149	911868	73.664	ng	100
61) 4-Chlorophenyl-phenyle...	10.428	204	456754	73.562	ng	97
62) 4-Nitroaniline	10.480	138	216635	76.547	ng	99
63) Azobenzene	10.586	77	862457	74.110	ng	100
65) 4,6-Dinitro-2-methylph...	10.510	198	158996	76.975	ng	98
66) n-Nitrosodiphenylamine	10.551	169	767906	68.519	ng	99
67) 4-Bromophenyl-phenylether	10.916	248	279941	68.648	ng	99
68) Hexachlorobenzene	10.986	284	324661	70.220	ng	97
69) Atrazine	11.075	200	185877	59.385	ng	99
70) Pentachlorophenol	11.192	266	153999	91.050	ng	100
71) Phenanthrene	11.404	178	1365579	72.850	ng	99
72) Anthracene	11.457	178	1361788	73.769	ng	99
73) Carbazole	11.616	167	1341097	74.170	ng	100
74) Di-n-butylphthalate	11.927	149	1410986	66.492	ng	100
75) Fluoranthene	12.592	202	1374862	63.687	ng	98
77) Benzidine	12.716	184	276230	74.064	ng	99
78) Pyrene	12.827	202	1423860	87.621	ng	100
80) Butylbenzylphthalate	13.427	149	508497	85.043	ng	97
81) Benzo(a)anthracene	14.021	228	1001035	77.292	ng	100
82) 3,3'-Dichlorobenzidine	13.980	252	291736	74.661	ng	99
83) Chrysene	14.063	228	881398	74.840	ng	100
84) Bis(2-ethylhexyl)phtha...	13.992	149	624744	81.032	ng	99
85) Di-n-octyl phthalate	14.633	149	922920	79.125	ng	100
87) Indeno(1,2,3-cd)pyrene	17.057	276	957167	89.400	ng	100
88) Benzo(b)fluoranthene	15.110	252	925999	77.753	ng	99
89) Benzo(k)fluoranthene	15.139	252	683254	66.881	ng	99
90) Benzo(a)pyrene	15.480	252	714906	76.662	ng	100
91) Dibenzo(a,h)anthracene	17.062	278	792175	89.311	ng	99
92) Benzo(g,h,i)perylene	17.509	276	840468	93.101	ng	99

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

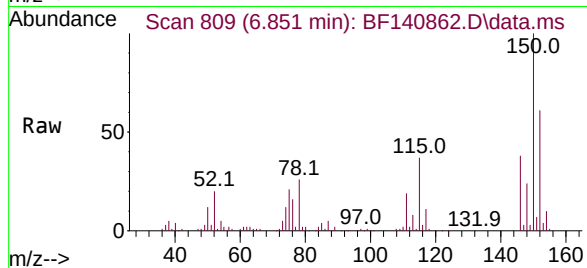
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BNA_F
ClientSampleId :
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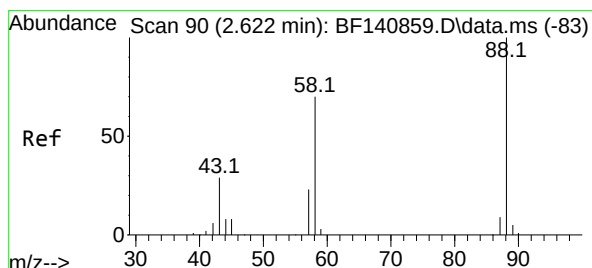
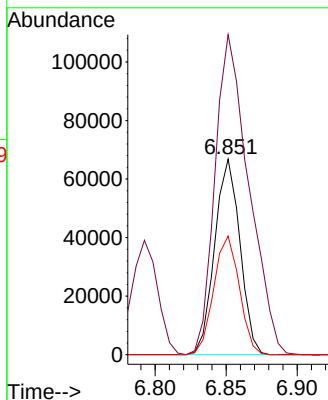
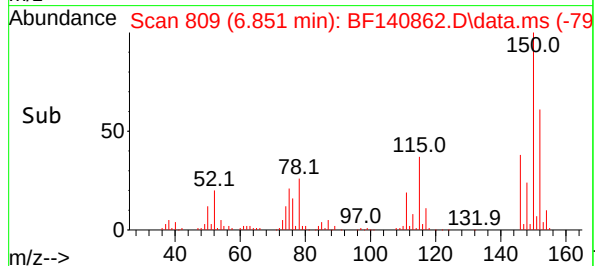


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

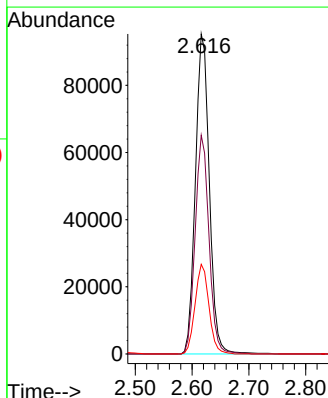
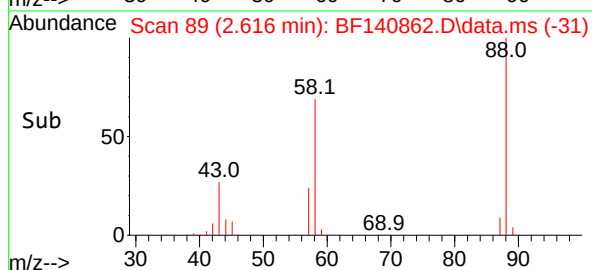
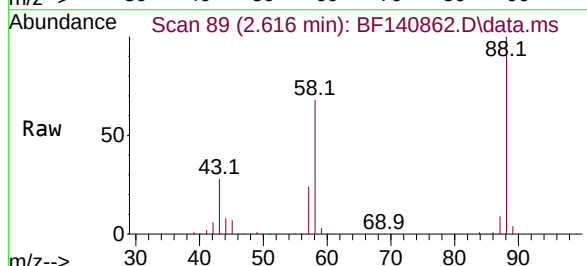


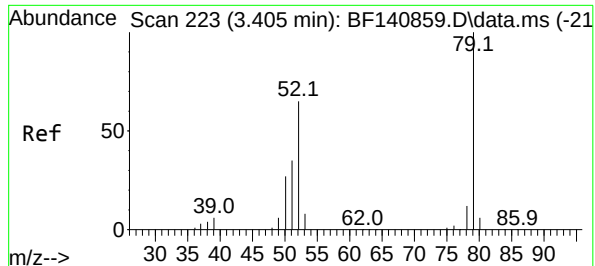
Tgt Ion:152 Resp: 82694
Ion Ratio Lower Upper
152 100
150 163.6 127.9 191.9
115 60.6 48.0 72.0



#2
1,4-Dioxane
Concen: 75.255 ng
RT: 2.616 min Scan# 89
Delta R.T. -0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion: 88 Resp: 162832
Ion Ratio Lower Upper
88 100
58 67.8 55.8 83.8
43 27.9 22.7 34.1





#3

Pyridine

Concen: 75.017 ng

RT: 3.399 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF140862.D

Acq: 16 Dec 2024 16:15

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

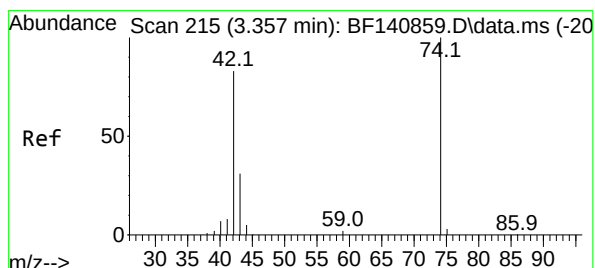
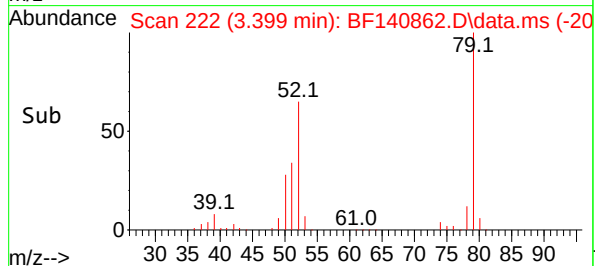
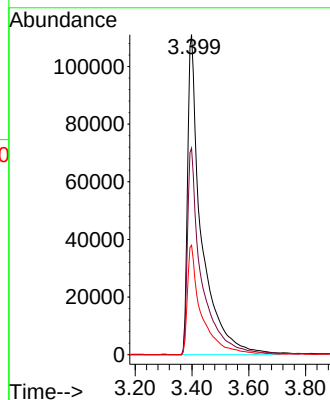
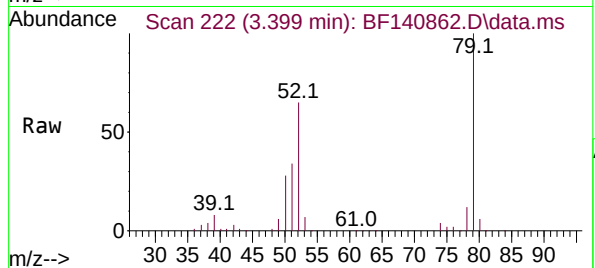
Tgt Ion: 79 Resp: 375906

Ion Ratio Lower Upper

79 100

52 64.6 51.7 77.5

51 34.2 28.2 42.4



#4

n-Nitrosodimethylamine

Concen: 76.818 ng

RT: 3.375 min Scan# 218

Delta R.T. 0.018 min

Lab File: BF140862.D

Acq: 16 Dec 2024 16:15

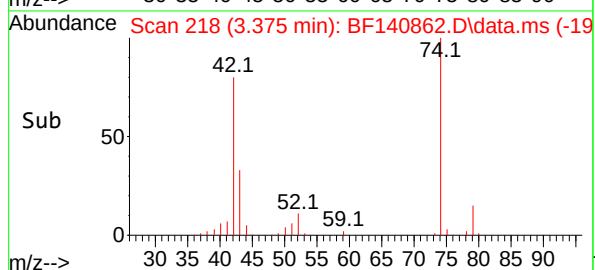
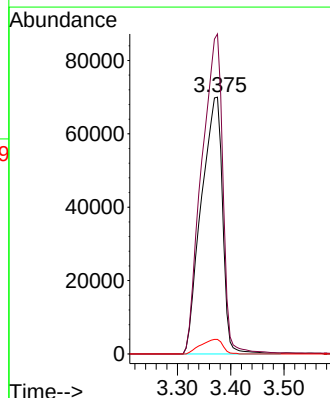
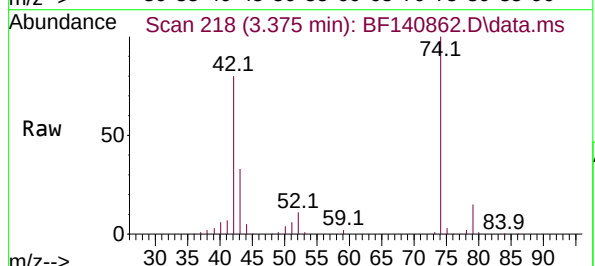
Tgt Ion: 42 Resp: 194050

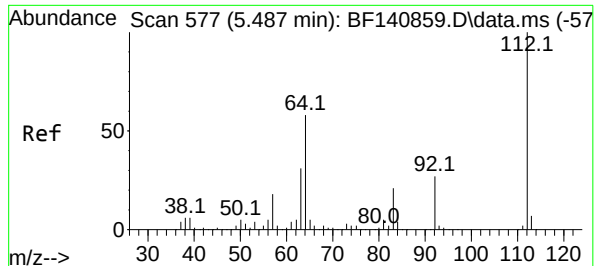
Ion Ratio Lower Upper

42 100

74 124.6 96.9 145.3

44 5.7 4.4 6.6

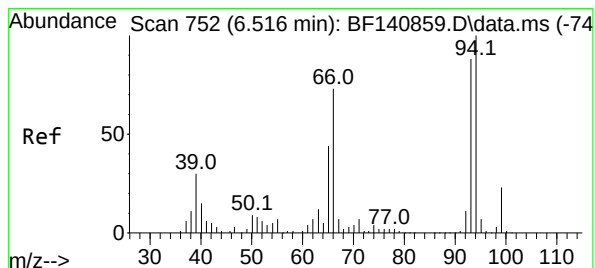
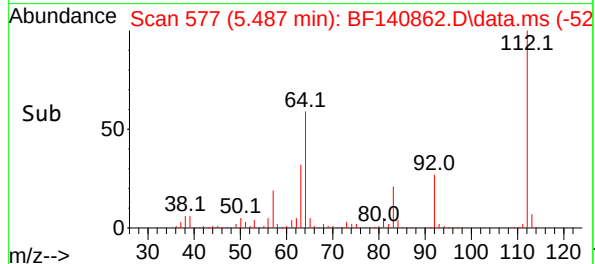
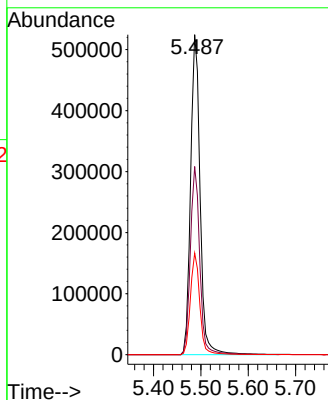
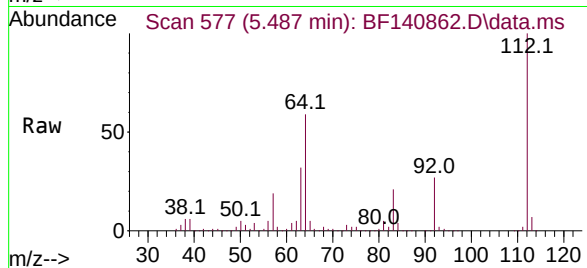




#5
2-Fluorophenol
Concen: 145.730 ng
RT: 5.487 min Scan# 51
Delta R.T. -0.000 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

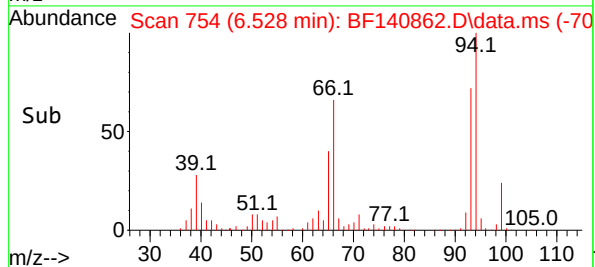
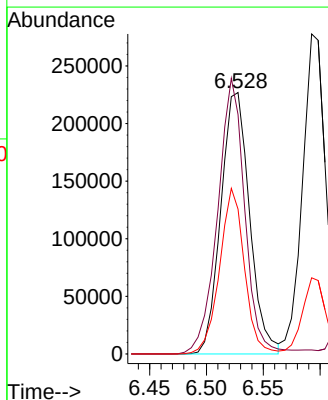
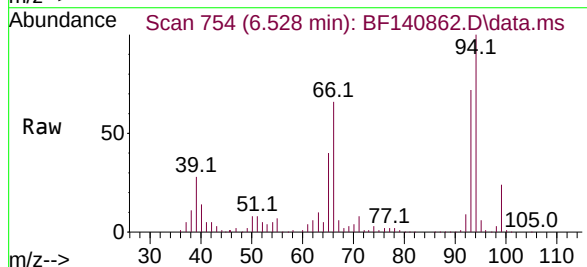
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

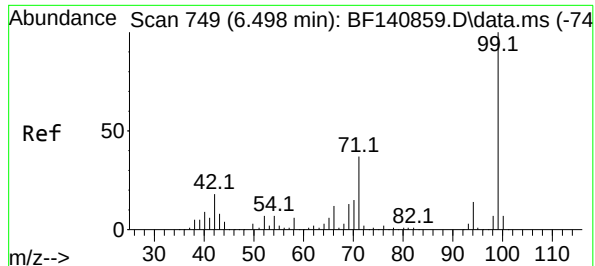
Tgt Ion:112 Resp: 732058
Ion Ratio Lower Upper
112 100
64 58.8 46.1 69.1
63 31.7 24.9 37.3



#6
Aniline
Concen: 70.247 ng
RT: 6.528 min Scan# 754
Delta R.T. 0.012 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion: 93 Resp: 399627
Ion Ratio Lower Upper
93 100
66 91.6 67.0 100.4
65 55.4 40.4 60.6





#7

Phenol-d6

Concen: 147.637 ng

RT: 6.510 min Scan# 710

Delta R.T. 0.012 min

Lab File: BF140862.D

Acq: 16 Dec 2024 16:15

Instrument :

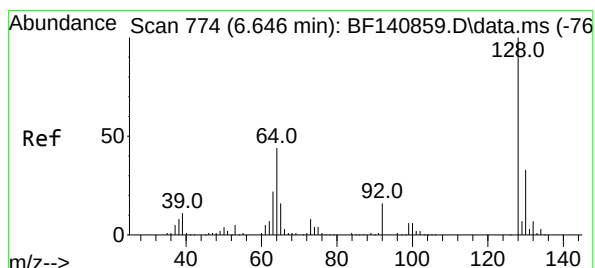
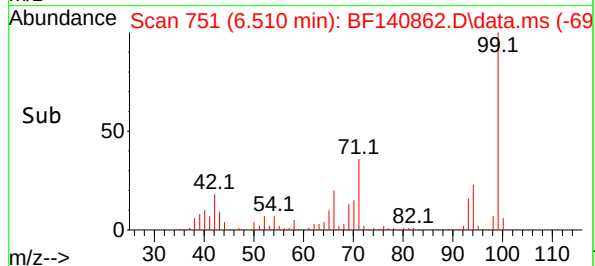
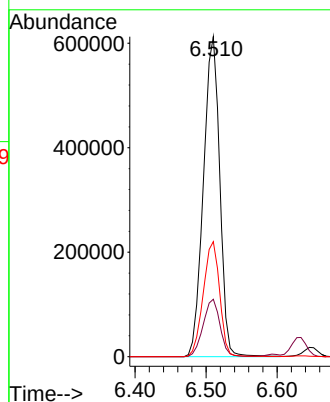
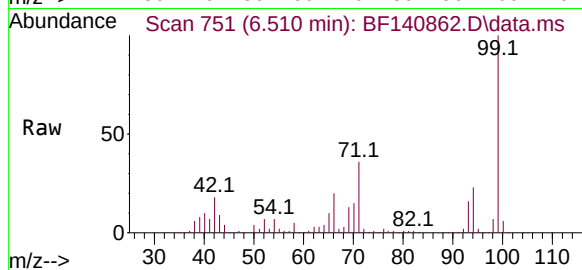
BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion: 99 Resp: 982302

Ion	Ratio	Lower	Upper
99	100		
42	17.9	14.3	21.5
71	35.9	29.9	44.9



#8

2-Chlorophenol

Concen: 74.245 ng

RT: 6.651 min Scan# 775

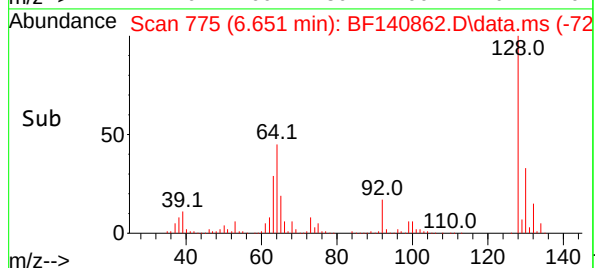
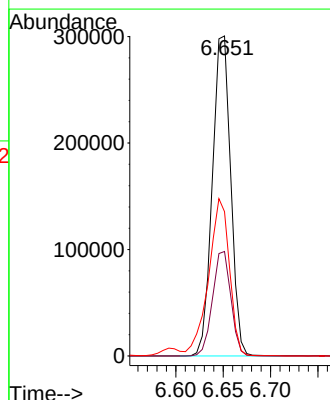
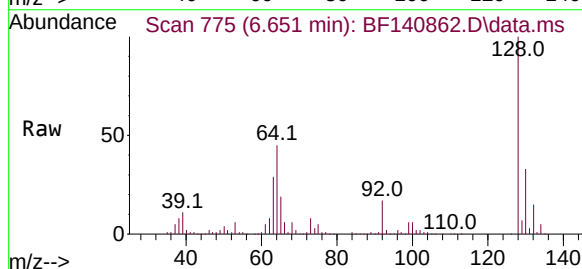
Delta R.T. 0.006 min

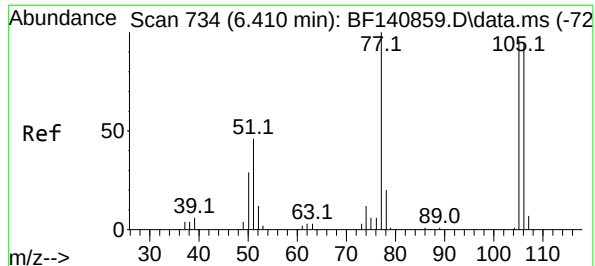
Lab File: BF140862.D

Acq: 16 Dec 2024 16:15

Tgt Ion: 128 Resp: 406710

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.9	52.9
64	45.1	24.3	64.3





#9

Benzaldehyde

Concen: 59.528 ng

RT: 6.410 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF140862.D

Acq: 16 Dec 2024 16:15

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

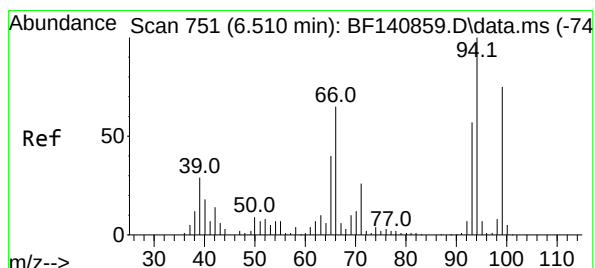
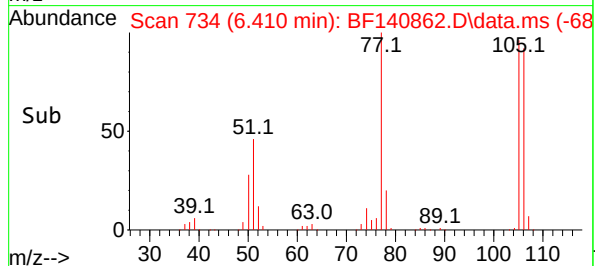
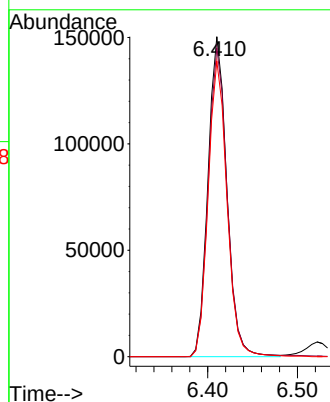
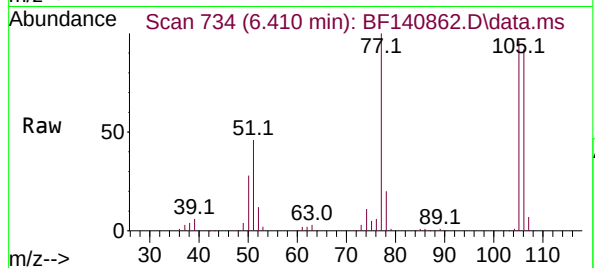
Tgt Ion: 77 Resp: 219459

Ion Ratio Lower Upper

77 100

105 96.5 75.8 115.8

106 92.3 74.1 114.1



#10

Phenol

Concen: 73.564 ng

RT: 6.522 min Scan# 753

Delta R.T. 0.012 min

Lab File: BF140862.D

Acq: 16 Dec 2024 16:15

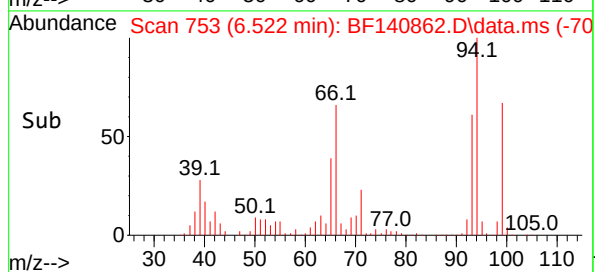
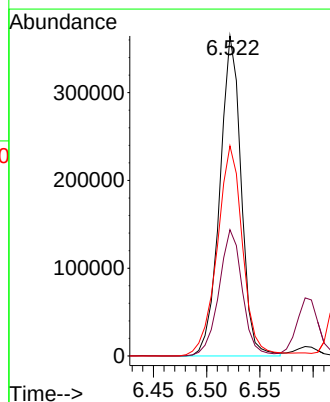
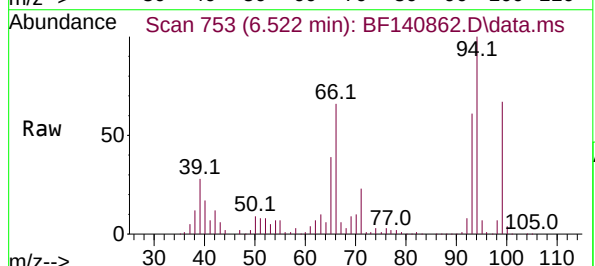
Tgt Ion: 94 Resp: 507289

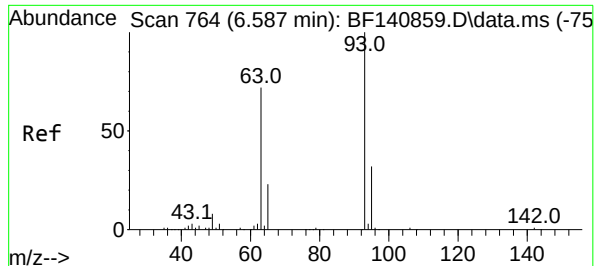
Ion Ratio Lower Upper

94 100

65 39.4 19.9 59.9

66 65.6 45.6 85.6





#11

bis(2-Chloroethyl)ether

Concen: 75.649 ng

RT: 6.593 min Scan# 70

Delta R.T. 0.006 min

Lab File: BF140862.D

Acq: 16 Dec 2024 16:15

Instrument :

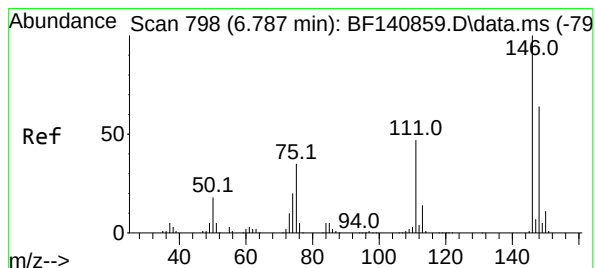
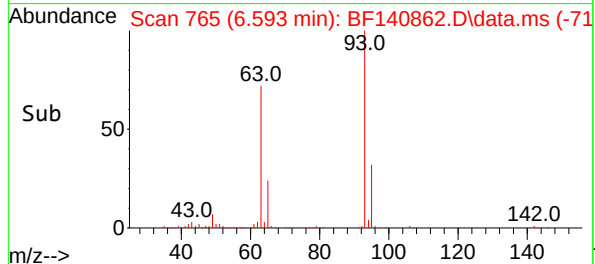
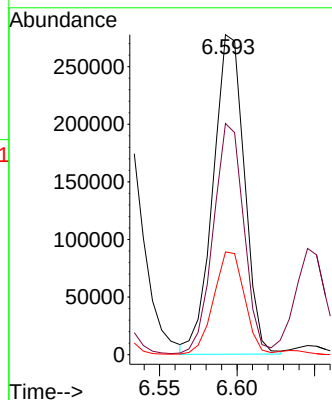
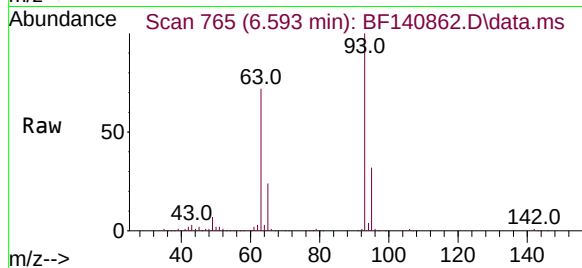
BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion: 93 Resp: 389038

Ion	Ratio	Lower	Upper
93	100		
63	72.3	51.0	91.0
95	32.1	12.0	52.0



#12

1,3-Dichlorobenzene

Concen: 73.871 ng

RT: 6.792 min Scan# 799

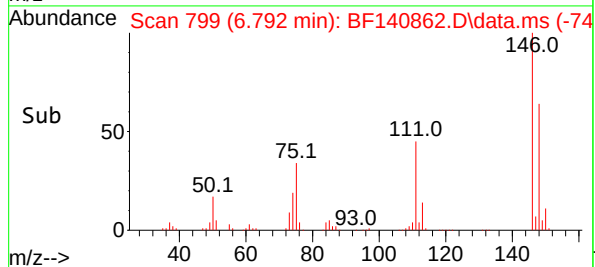
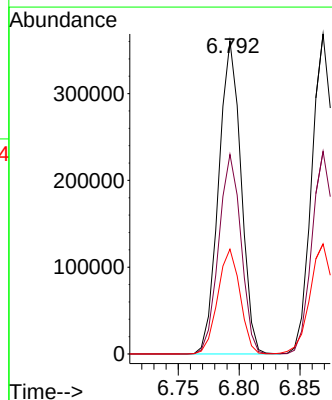
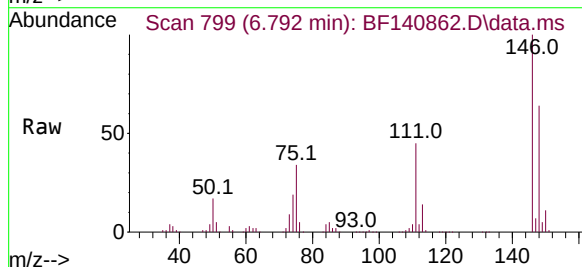
Delta R.T. 0.006 min

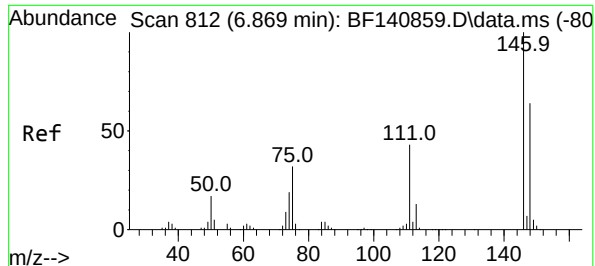
Lab File: BF140862.D

Acq: 16 Dec 2024 16:15

Tgt Ion: 146 Resp: 461108

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.0	76.6
75	33.5	28.1	42.1





#13

1,4-Dichlorobenzene

Concen: 72.952 ng

RT: 6.869 min Scan# 812

Delta R.T. -0.000 min

Lab File: BF140862.D

Acq: 16 Dec 2024 16:15

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

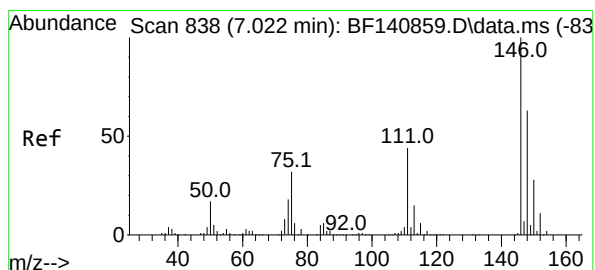
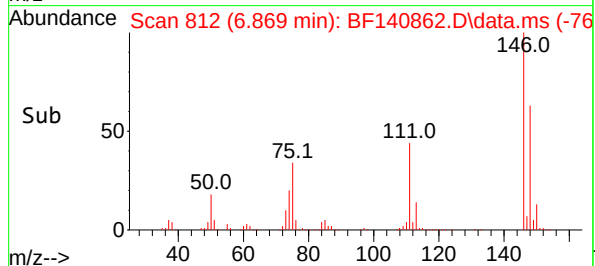
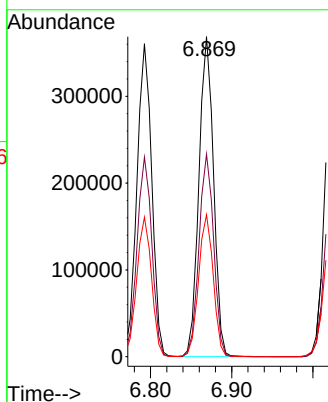
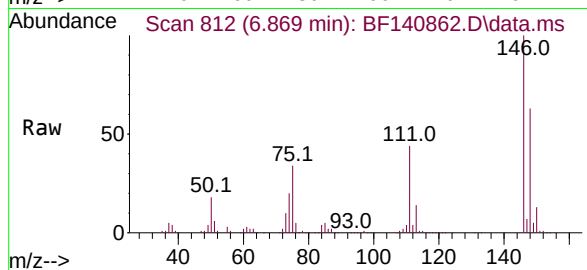
Tgt Ion:146 Resp: 462233

Ion Ratio Lower Upper

146 100

148 63.3 51.3 76.9

111 44.3 34.4 51.6



#14

1,2-Dichlorobenzene

Concen: 73.129 ng

RT: 7.022 min Scan# 838

Delta R.T. -0.000 min

Lab File: BF140862.D

Acq: 16 Dec 2024 16:15

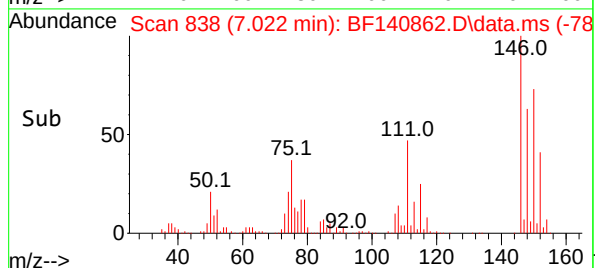
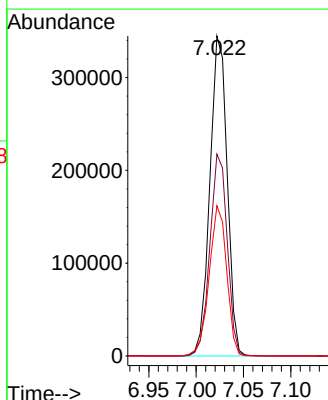
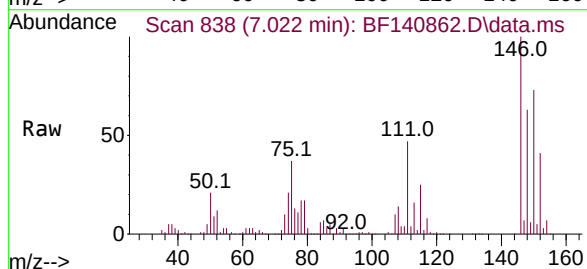
Tgt Ion:146 Resp: 437177

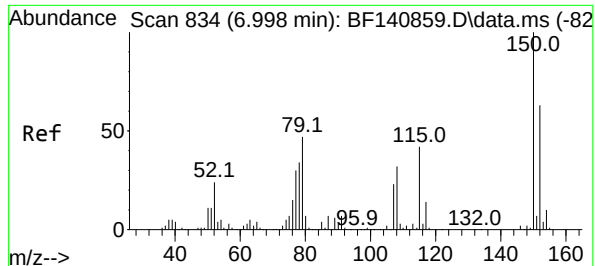
Ion Ratio Lower Upper

146 100

148 63.0 50.0 75.0

111 46.9 35.6 53.4





#15

Benzyl Alcohol

Concen: 73.442 ng

RT: 7.004 min Scan# 81

Delta R.T. 0.006 min

Lab File: BF140862.D

Acq: 16 Dec 2024 16:15

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

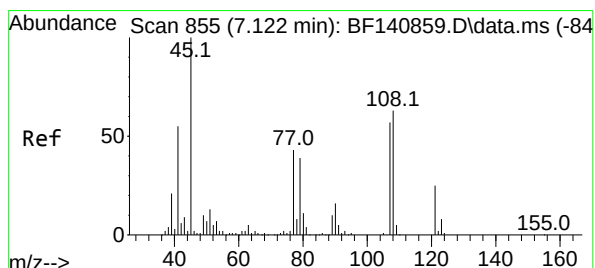
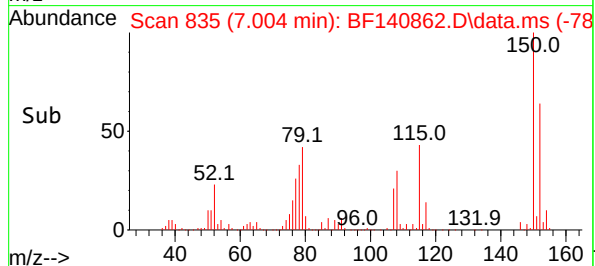
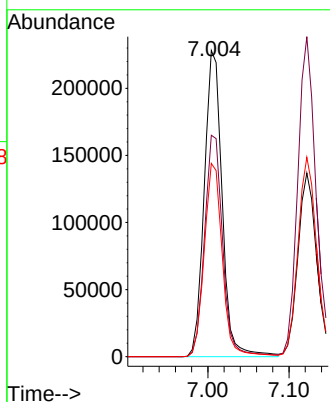
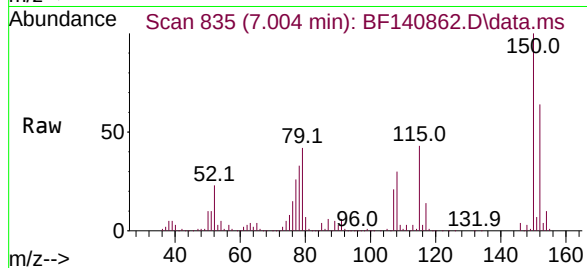
Tgt Ion: 79 Resp: 349382

Ion Ratio Lower Upper

79 100

108 72.3 55.1 82.7

77 63.1 50.6 76.0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 74.228 ng

RT: 7.122 min Scan# 855

Delta R.T. -0.000 min

Lab File: BF140862.D

Acq: 16 Dec 2024 16:15

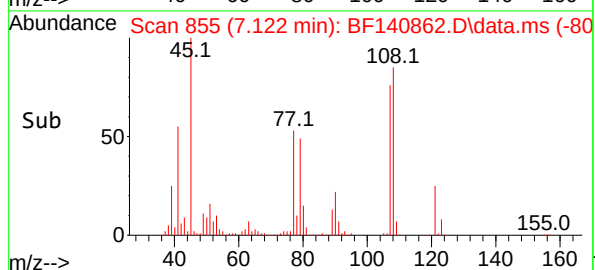
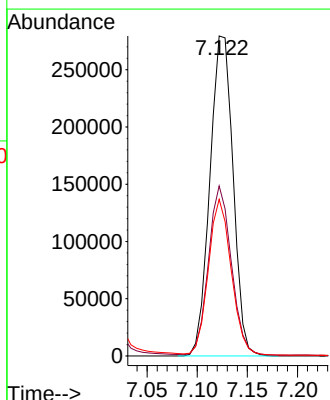
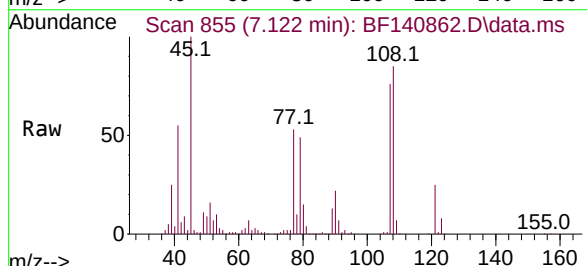
Tgt Ion: 45 Resp: 449685

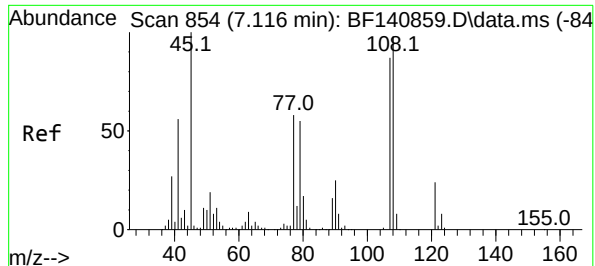
Ion Ratio Lower Upper

45 100

77 53.1 23.3 63.3

79 49.0 20.0 60.0

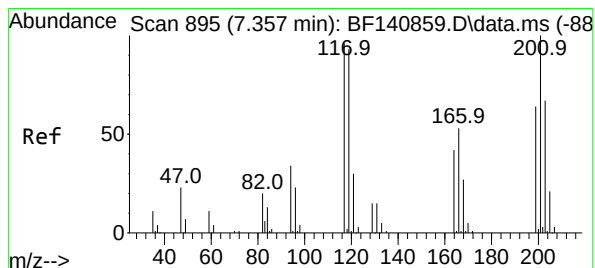
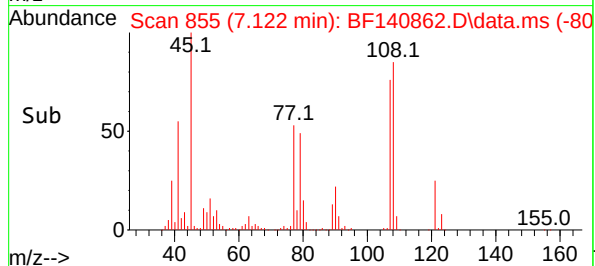
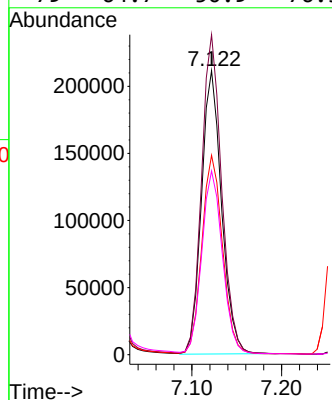
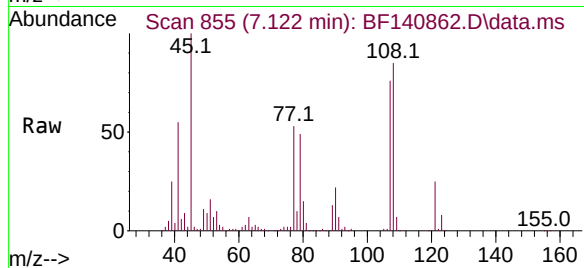




#17
2-Methylphenol
Concen: 75.095 ng
RT: 7.122 min Scan# 855
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

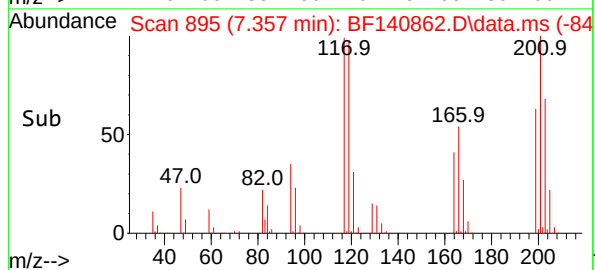
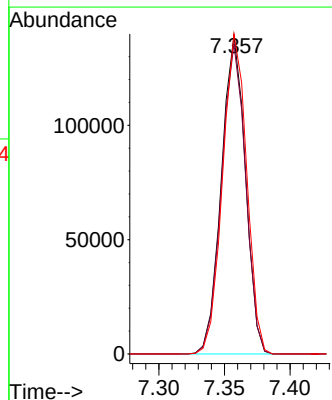
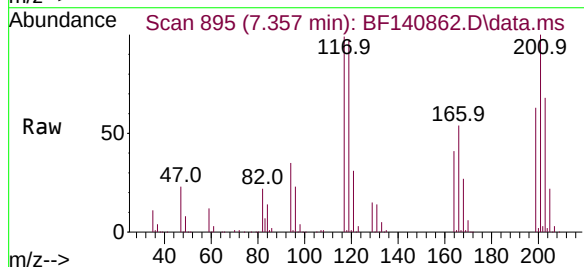
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

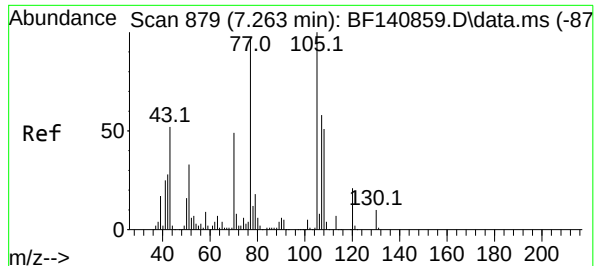
Tgt Ion:107 Resp: 328432
Ion Ratio Lower Upper
107 100
108 112.7 90.2 135.4
77 70.2 53.8 80.6
79 64.7 50.9 76.3



#18
Hexachloroethane
Concen: 75.005 ng
RT: 7.357 min Scan# 895
Delta R.T. -0.000 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:117 Resp: 176920
Ion Ratio Lower Upper
117 100
119 97.3 77.4 116.0
201 100.5 83.4 125.0





#19

n-Nitroso-di-n-propylamine

Concen: 72.349 ng

RT: 7.275 min Scan# 881

Delta R.T. 0.012 min

Lab File: BF140862.D

Acq: 16 Dec 2024 16:15

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion: 70 Resp: 288752

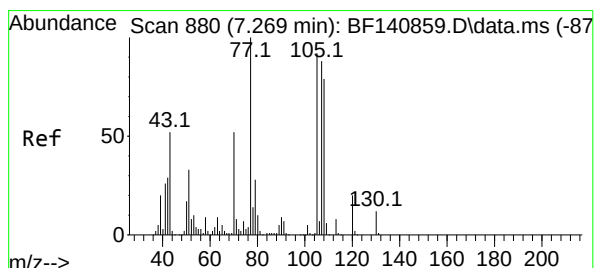
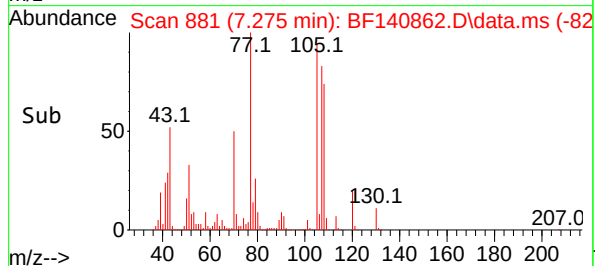
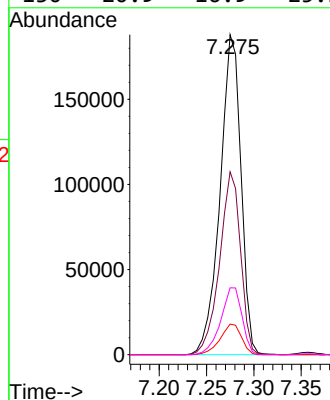
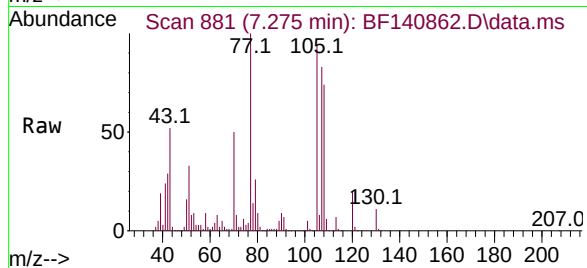
Ion Ratio Lower Upper

70 100

42 57.2 45.3 67.9

101 9.6 8.0 12.0

130 20.9 16.9 25.3



#20

3+4-Methylphenols

Concen: 72.622 ng

RT: 7.275 min Scan# 881

Delta R.T. 0.006 min

Lab File: BF140862.D

Acq: 16 Dec 2024 16:15

Tgt Ion: 107 Resp: 421165

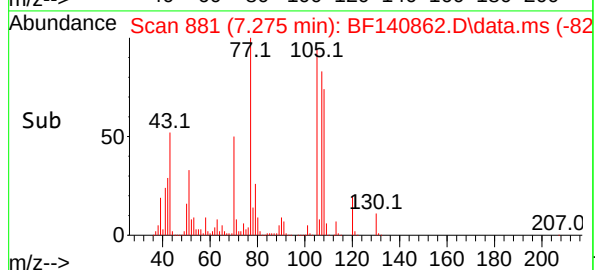
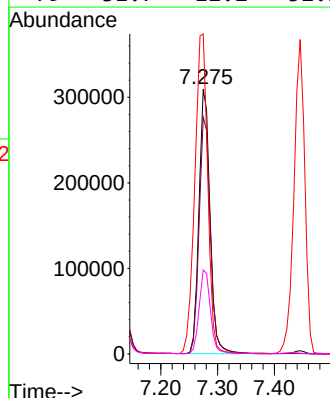
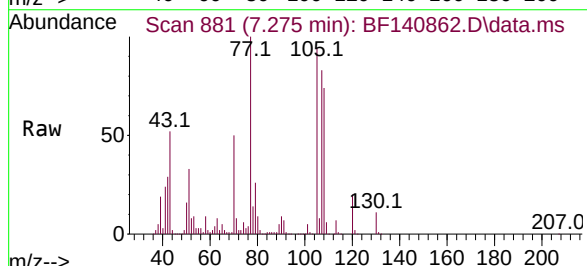
Ion Ratio Lower Upper

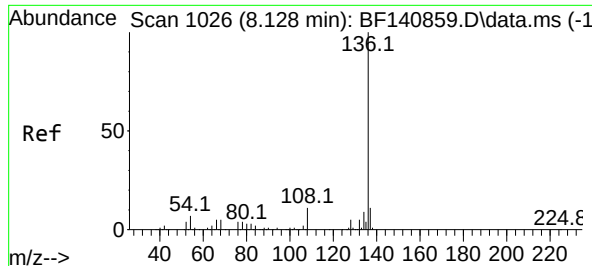
107 100

108 89.4 70.1 110.1

77 120.8 94.4 134.4

79 31.7 12.2 52.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.134 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF140862.D

Acq: 16 Dec 2024 16:15

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:136 Resp: 323165

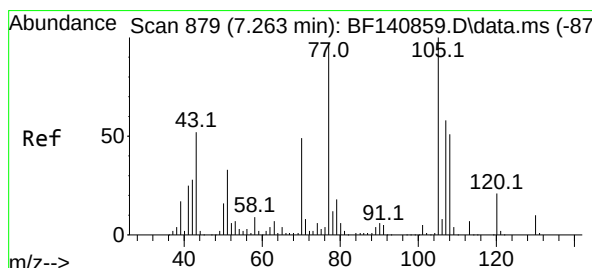
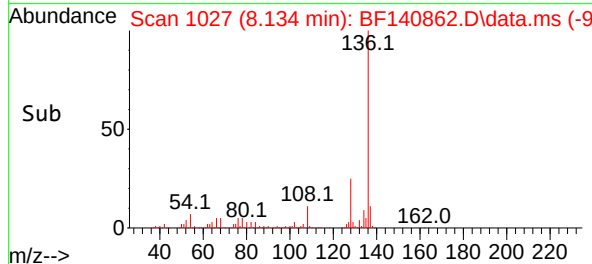
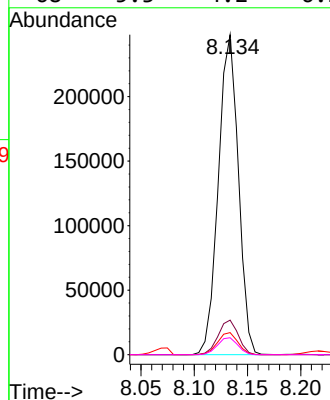
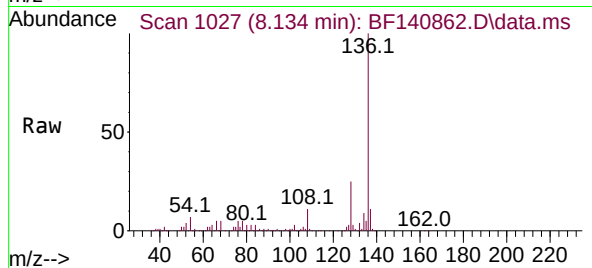
Ion Ratio Lower Upper

136 100

137 10.8 9.0 13.4

54 6.9 5.6 8.4

68 5.3 4.2 6.2



#22

Acetophenone

Concen: 71.295 ng

RT: 7.269 min Scan# 880

Delta R.T. 0.006 min

Lab File: BF140862.D

Acq: 16 Dec 2024 16:15

Tgt Ion:105 Resp: 576358

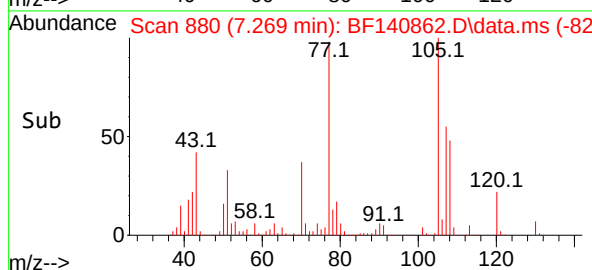
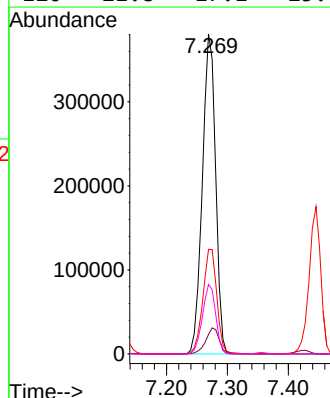
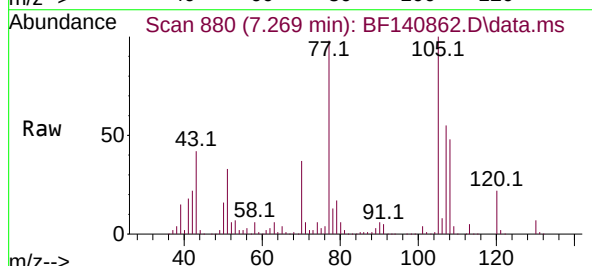
Ion Ratio Lower Upper

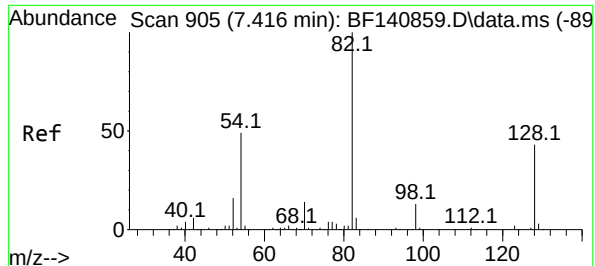
105 100

71 6.1 6.2 9.4#

51 32.7 26.3 39.5

120 21.8 17.1 25.7





#23

Nitrobenzene-d5

Concen: 146.623 ng

RT: 7.428 min Scan# 90

Delta R.T. 0.012 min

Lab File: BF140862.D

Acq: 16 Dec 2024 16:15

Instrument :

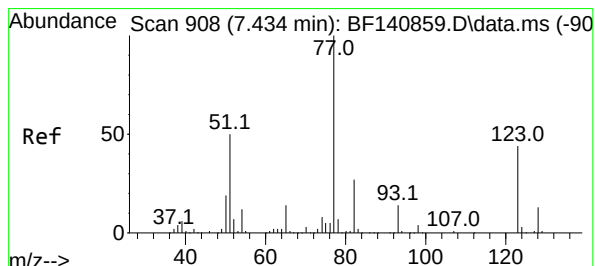
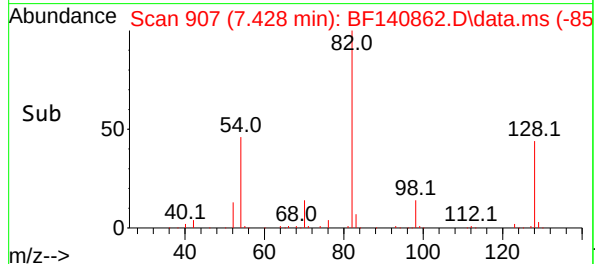
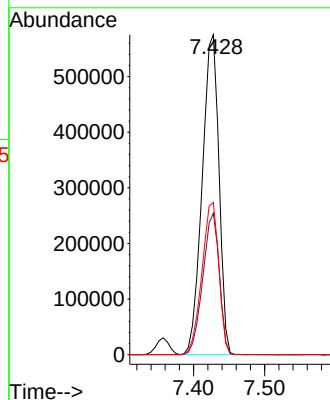
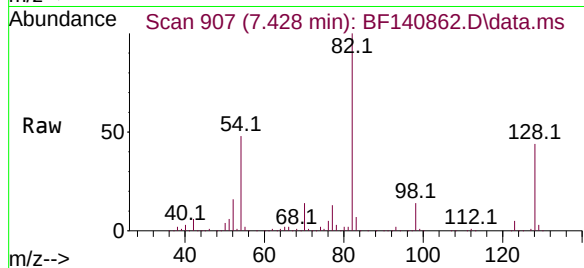
BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion: 82 Resp: 947083

Ion	Ratio	Lower	Upper
82	100		
128	44.2	34.4	51.6
54	47.6	38.8	58.2



#24

Nitrobenzene

Concen: 73.246 ng

RT: 7.445 min Scan# 910

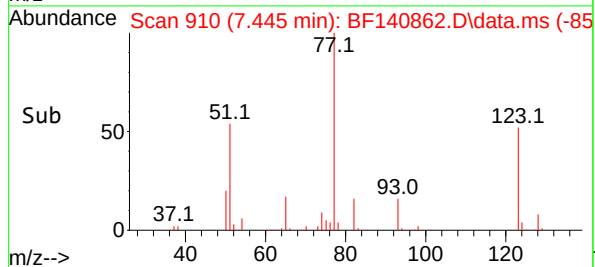
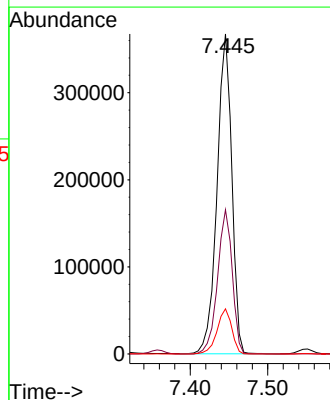
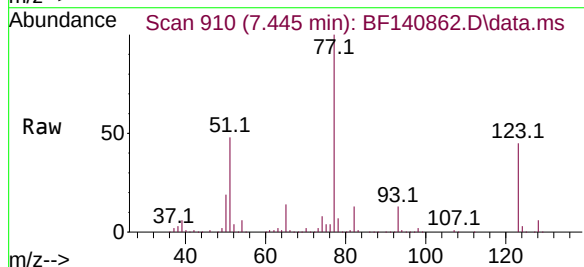
Delta R.T. 0.012 min

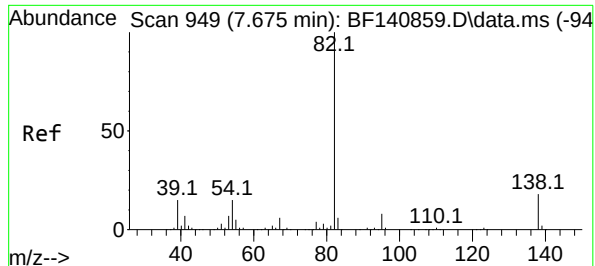
Lab File: BF140862.D

Acq: 16 Dec 2024 16:15

Tgt Ion: 77 Resp: 484693

Ion	Ratio	Lower	Upper
77	100		
123	45.1	35.0	52.4
65	14.1	11.4	17.0





#25

Isophorone

Concen: 75.310 ng

RT: 7.681 min Scan# 91

Delta R.T. 0.006 min

Lab File: BF140862.D

Acq: 16 Dec 2024 16:15

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

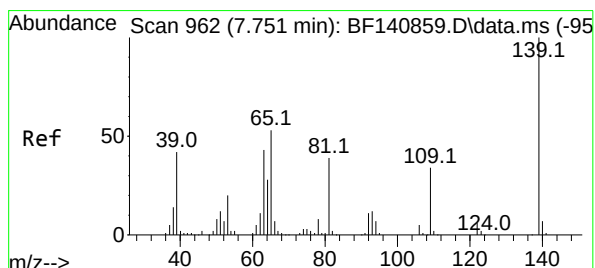
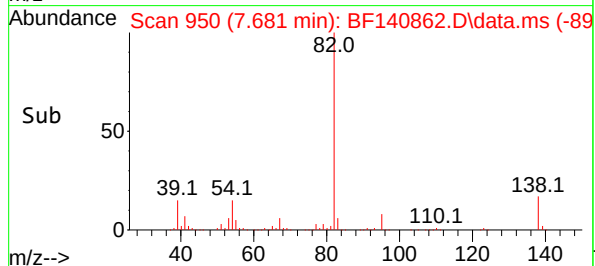
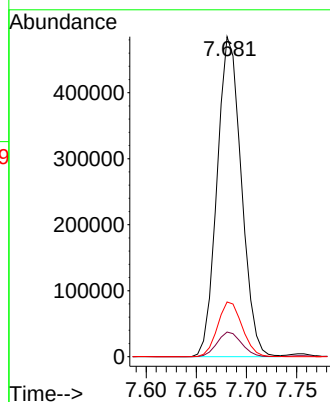
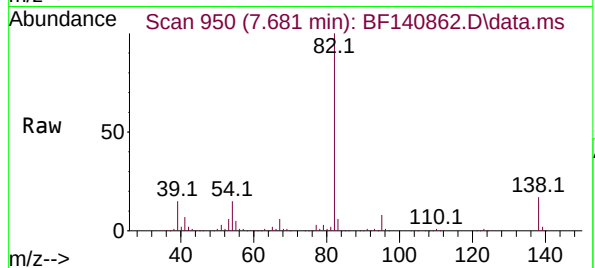
Tgt Ion: 82 Resp: 815074

Ion Ratio Lower Upper

82 100

95 7.7 6.3 9.5

138 17.1 14.1 21.1



#26

2-Nitrophenol

Concen: 76.426 ng

RT: 7.757 min Scan# 963

Delta R.T. 0.006 min

Lab File: BF140862.D

Acq: 16 Dec 2024 16:15

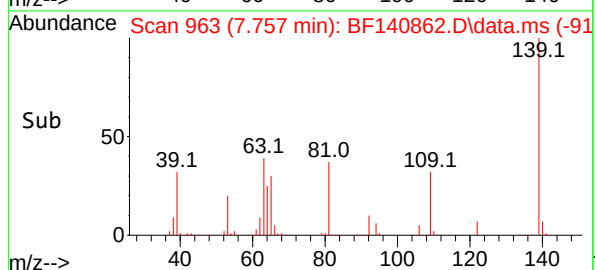
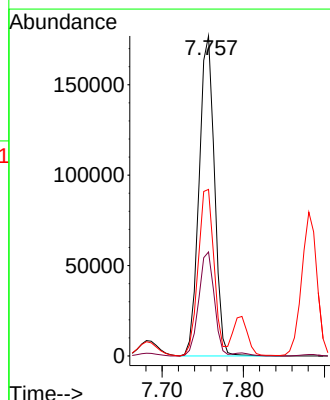
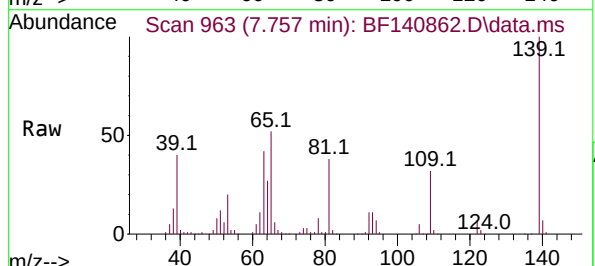
Tgt Ion:139 Resp: 232926

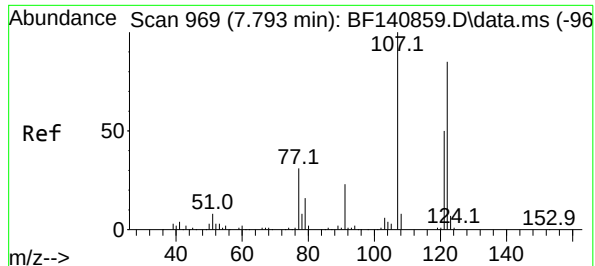
Ion Ratio Lower Upper

139 100

109 32.5 26.9 40.3

65 52.1 42.6 64.0





#27

2,4-Dimethylphenol

Concen: 76.101 ng

RT: 7.798 min Scan# 91

Delta R.T. 0.006 min

Lab File: BF140862.D

Acq: 16 Dec 2024 16:15

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

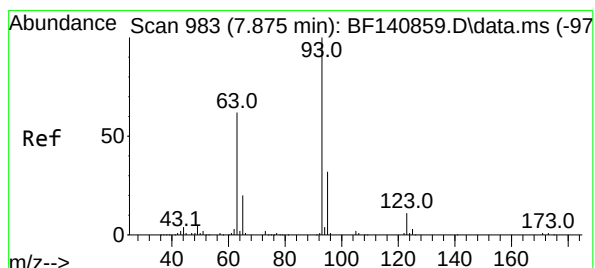
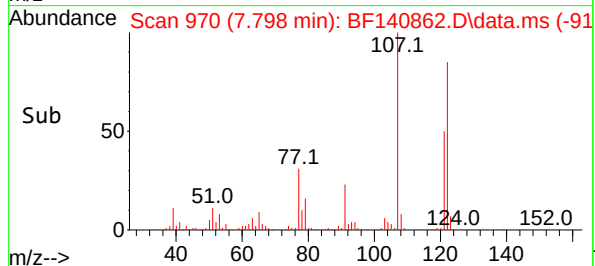
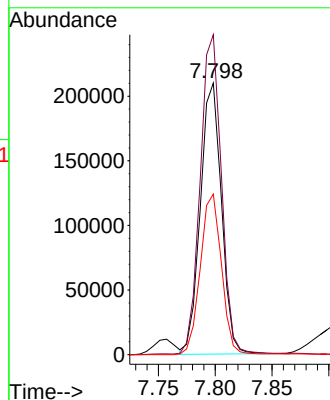
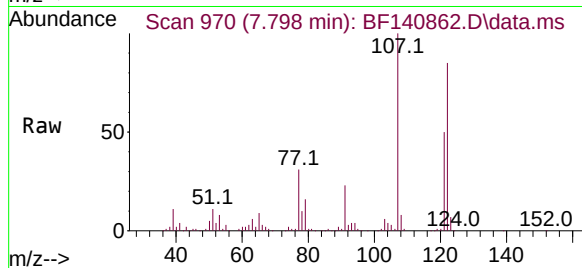
Tgt Ion:122 Resp: 270864

Ion Ratio Lower Upper

122 100

107 117.8 92.6 139.0

121 59.1 45.8 68.8



#28

bis(2-Chloroethoxy)methane

Concen: 75.263 ng

RT: 7.881 min Scan# 984

Delta R.T. 0.006 min

Lab File: BF140862.D

Acq: 16 Dec 2024 16:15

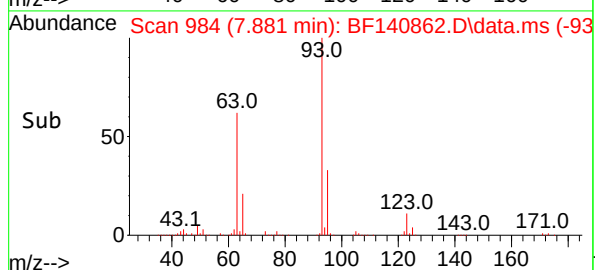
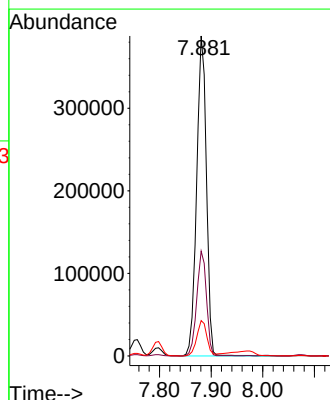
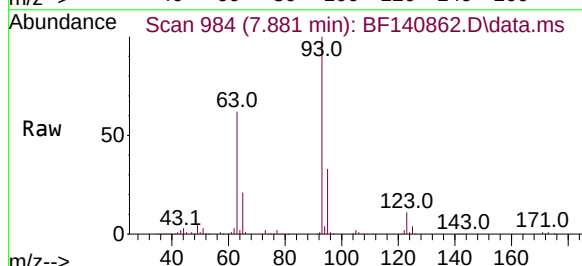
Tgt Ion: 93 Resp: 508754

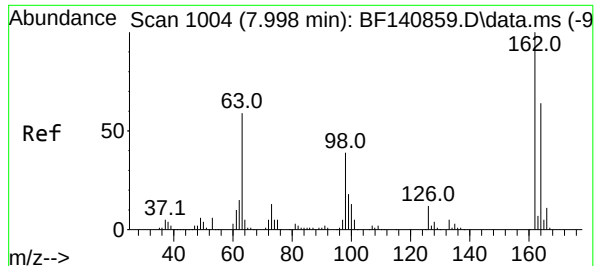
Ion Ratio Lower Upper

93 100

95 32.7 25.3 37.9

123 11.1 8.6 13.0





#29

2,4-Dichlorophenol

Concen: 76.199 ng

RT: 8.004 min Scan# 1005

Delta R.T. 0.006 min

Lab File: BF140862.D

Acq: 16 Dec 2024 16:15

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

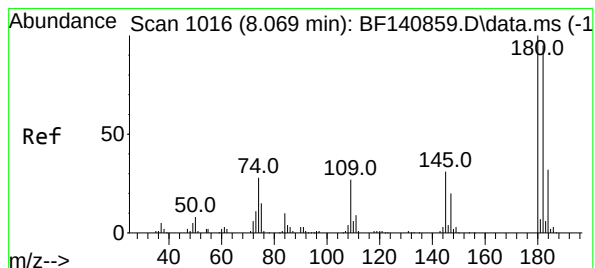
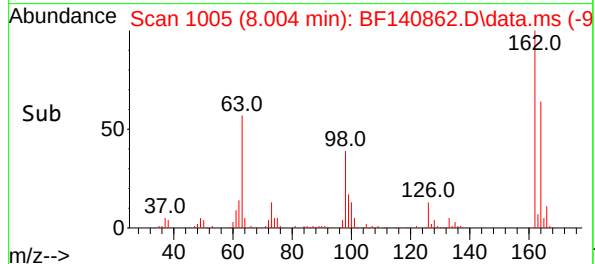
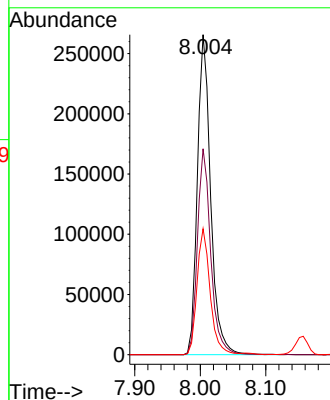
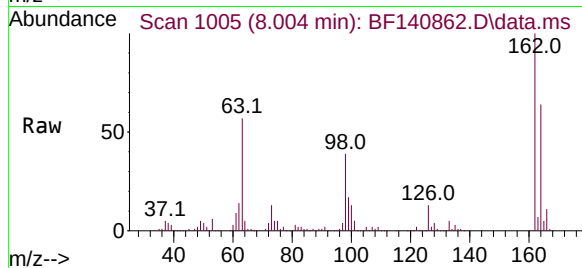
Tgt Ion:162 Resp: 374434

Ion Ratio Lower Upper

162 100

164 64.4 43.7 83.7

98 39.4 18.6 58.6



#30

1,2,4-Trichlorobenzene

Concen: 74.635 ng

RT: 8.075 min Scan# 1017

Delta R.T. 0.006 min

Lab File: BF140862.D

Acq: 16 Dec 2024 16:15

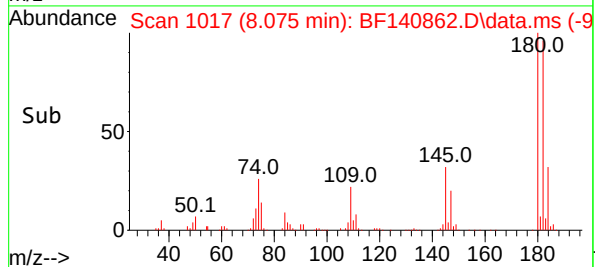
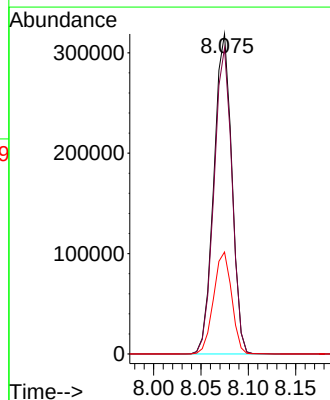
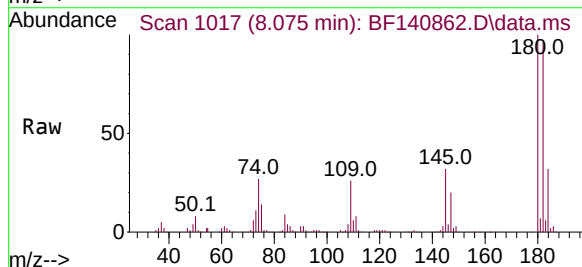
Tgt Ion:180 Resp: 420429

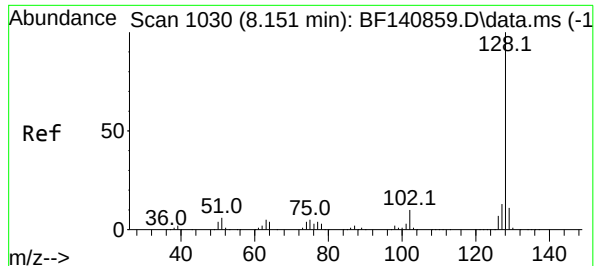
Ion Ratio Lower Upper

180 100

182 95.6 75.8 113.6

145 31.9 25.2 37.8

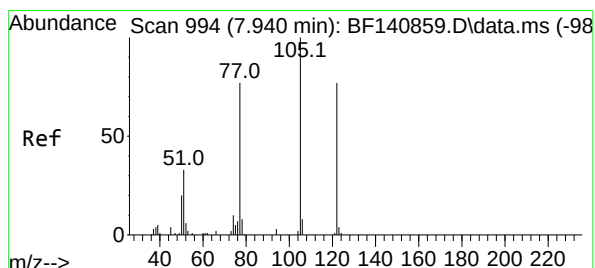
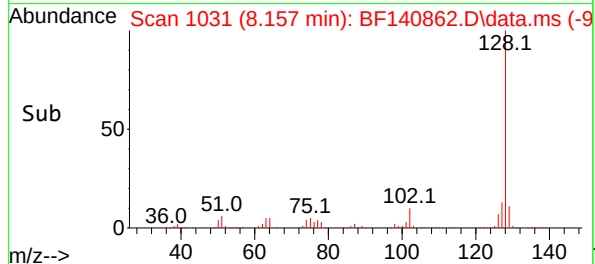
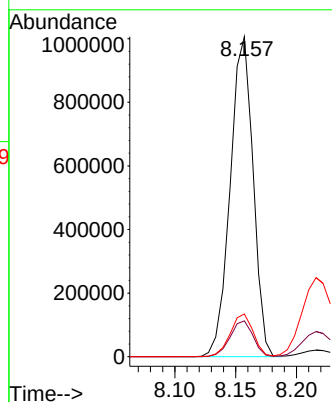
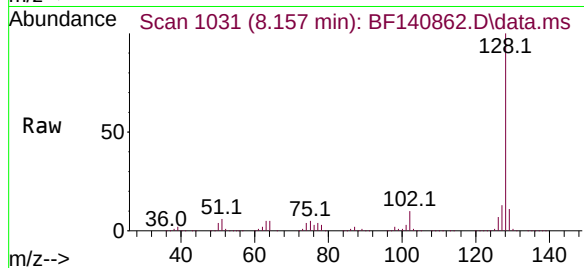




#31
Naphthalene
Concen: 74.301 ng
RT: 8.157 min Scan# 1031
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

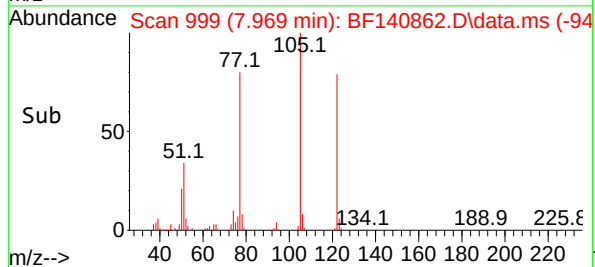
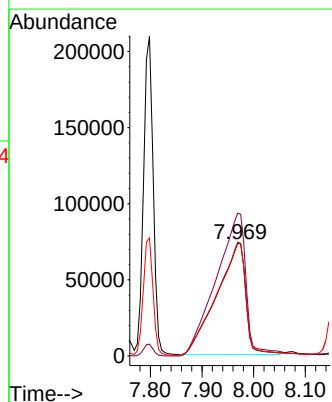
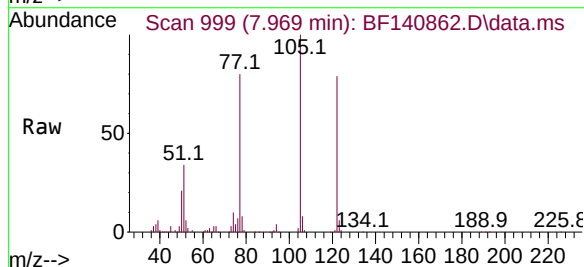
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

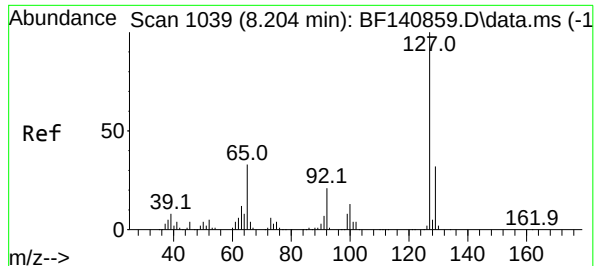
Tgt Ion:128 Resp: 1318982
Ion Ratio Lower Upper
128 100
129 11.2 8.9 13.3
127 13.3 10.6 16.0



#32
Benzoic acid
Concen: 84.342 ng
RT: 7.969 min Scan# 999
Delta R.T. 0.029 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:122 Resp: 284705
Ion Ratio Lower Upper
122 100
105 126.9 108.3 148.3
77 101.2 78.8 118.8





#33

4-Chloroaniline

Concen: 76.586 ng

RT: 8.216 min Scan# 1041

Delta R.T. 0.012 min

Lab File: BF140862.D

Acq: 16 Dec 2024 16:15

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:127 Resp: 451539

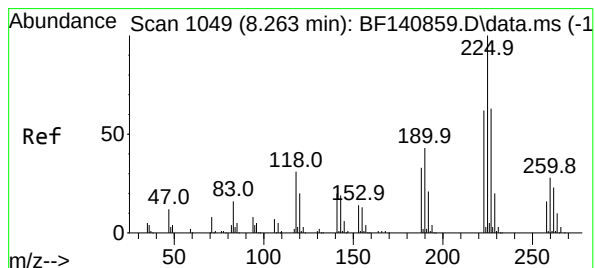
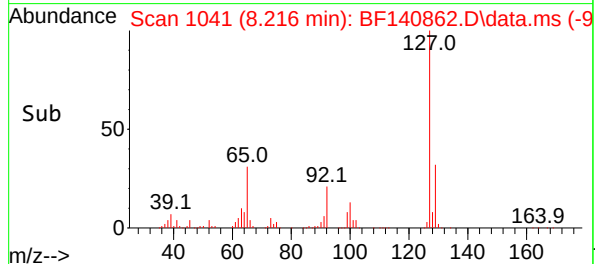
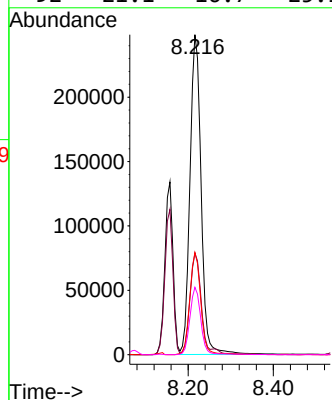
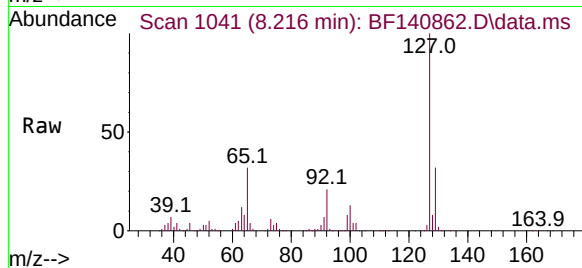
Ion Ratio Lower Upper

127 100

129 31.7 26.0 39.0

65 31.9 26.0 39.0

92 21.1 16.7 25.1



#34

Hexachlorobutadiene

Concen: 74.615 ng

RT: 8.263 min Scan# 1049

Delta R.T. -0.000 min

Lab File: BF140862.D

Acq: 16 Dec 2024 16:15

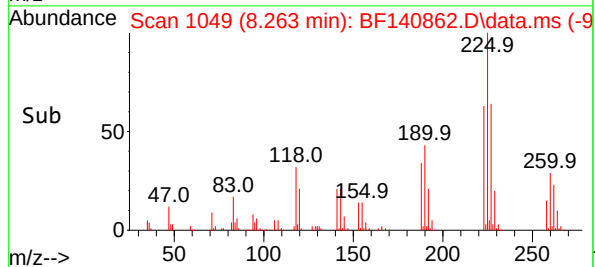
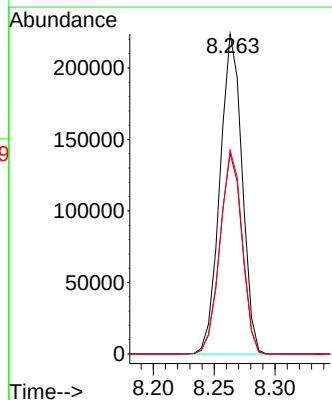
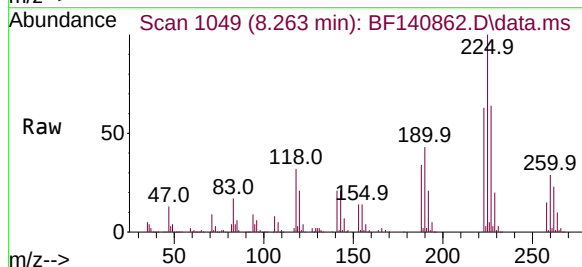
Tgt Ion:225 Resp: 282790

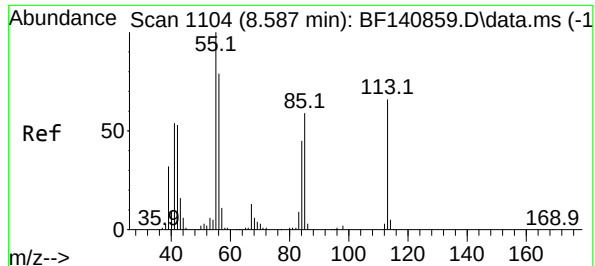
Ion Ratio Lower Upper

225 100

223 62.7 49.6 74.4

227 63.7 50.7 76.1





#35

Caprolactam

Concen: 85.813 ng m

RT: 8.616 min Scan# 1109

Delta R.T. 0.029 min

Lab File: BF140862.D

Acq: 16 Dec 2024 16:15

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

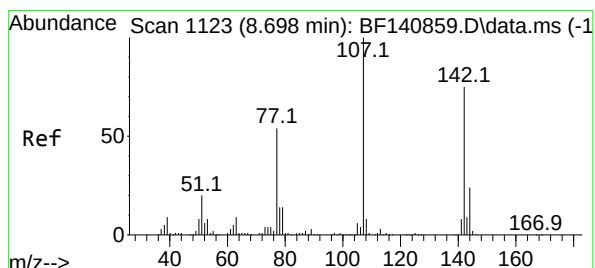
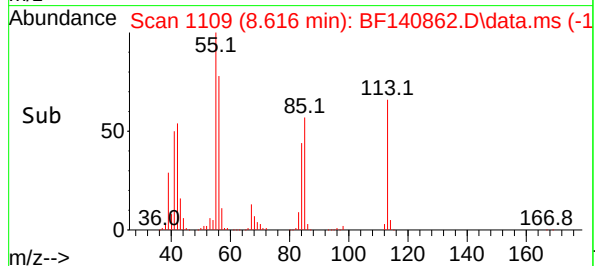
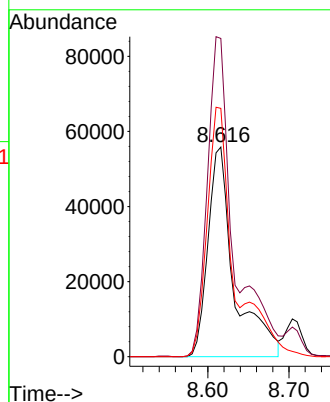
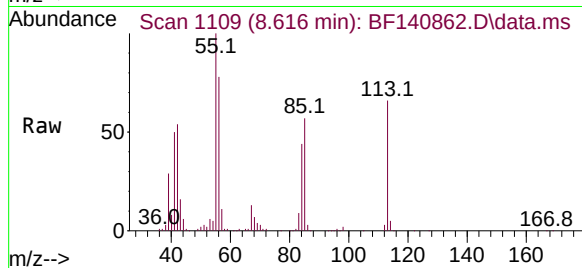
Tgt Ion:113 Resp: 125537

Ion Ratio Lower Upper

113 100

55 151.8 132.3 172.3

56 118.4 100.3 140.3



#36

4-Chloro-3-methylphenol

Concen: 81.301 ng

RT: 8.704 min Scan# 1124

Delta R.T. 0.006 min

Lab File: BF140862.D

Acq: 16 Dec 2024 16:15

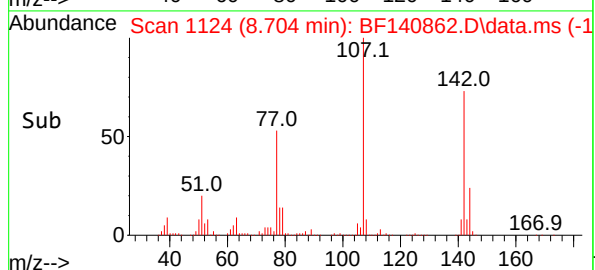
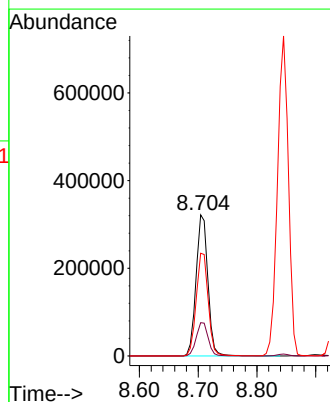
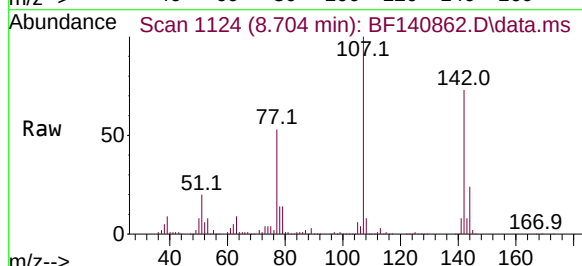
Tgt Ion:107 Resp: 449654

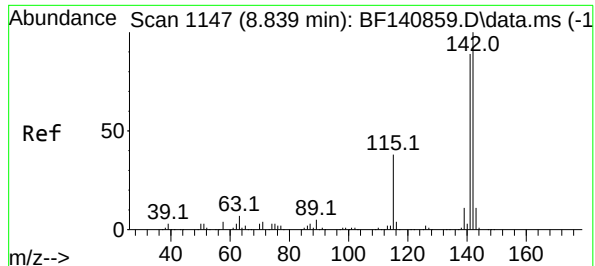
Ion Ratio Lower Upper

107 100

144 23.5 19.4 29.2

142 72.8 60.3 90.5





#37

2-Methylnaphthalene

Concen: 80.295 ng

RT: 8.845 min Scan# 1148

Delta R.T. 0.006 min

Lab File: BF140862.D

Acq: 16 Dec 2024 16:15

Instrument :

BNA_F

ClientSampleId :

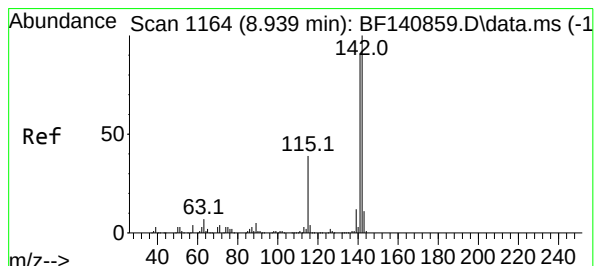
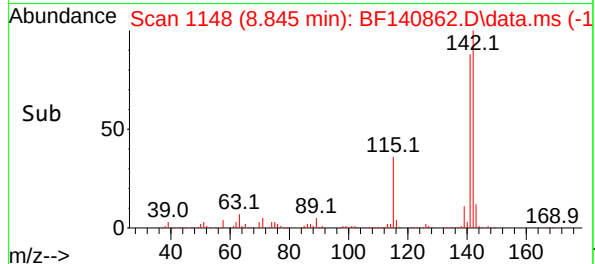
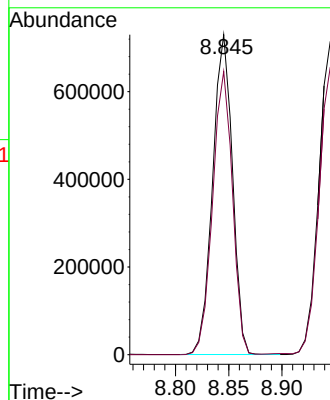
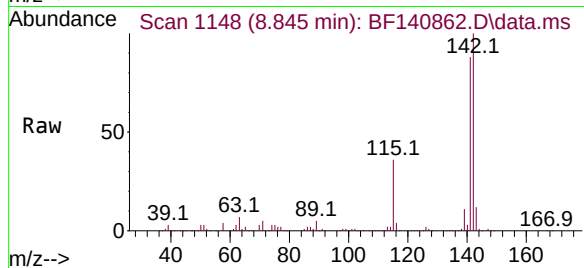
SSTDICC080

Tgt Ion:142 Resp: 942892

Ion Ratio Lower Upper

142 100

141 88.5 71.0 106.6



#38

1-Methylnaphthalene

Concen: 79.695 ng

RT: 8.945 min Scan# 1165

Delta R.T. 0.006 min

Lab File: BF140862.D

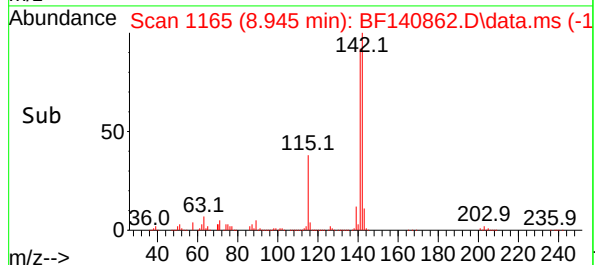
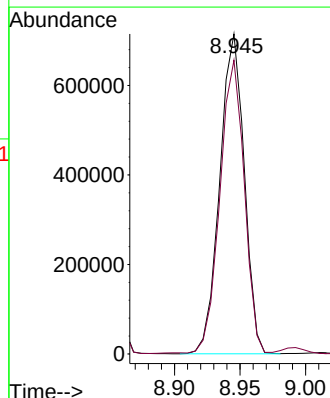
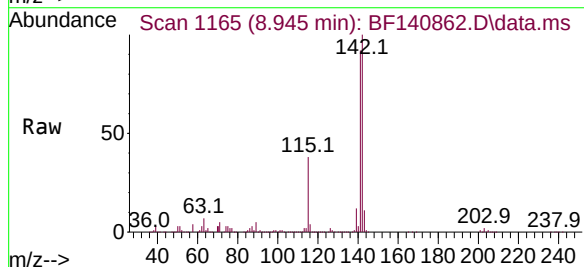
Acq: 16 Dec 2024 16:15

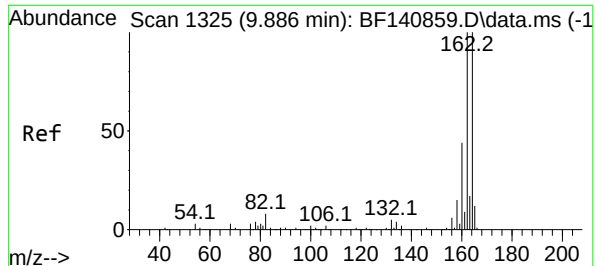
Tgt Ion:142 Resp: 925535

Ion Ratio Lower Upper

142 100

141 91.8 73.4 110.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.886 min Scan# 1175

Delta R.T. -0.000 min

Lab File: BF140862.D

Acq: 16 Dec 2024 16:15

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

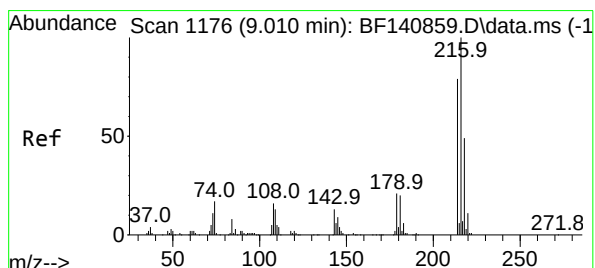
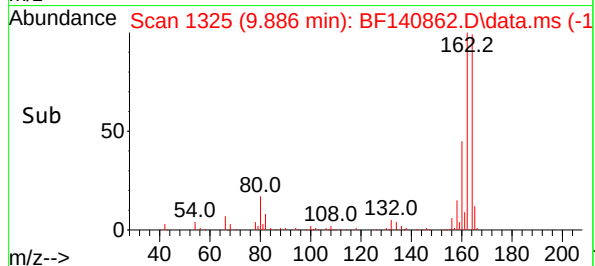
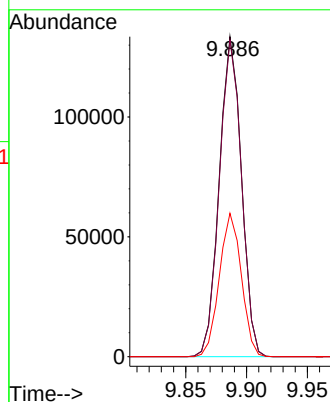
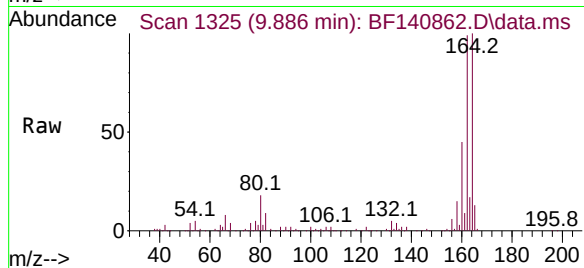
Tgt Ion:164 Resp: 169321

Ion Ratio Lower Upper

164 100

162 99.0 79.9 119.9

160 44.8 35.2 52.8



#40

1,2,4,5-Tetrachlorobenzene

Concen: 89.625 ng

RT: 9.010 min Scan# 1176

Delta R.T. -0.000 min

Lab File: BF140862.D

Acq: 16 Dec 2024 16:15

Tgt Ion:216 Resp: 466438

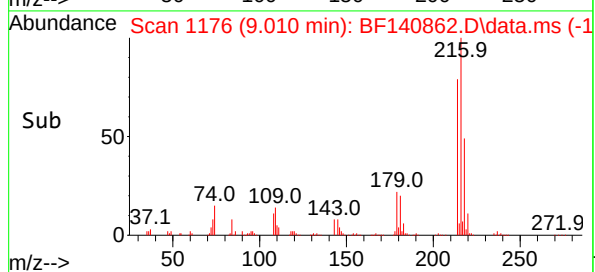
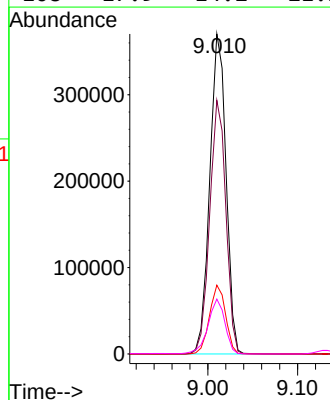
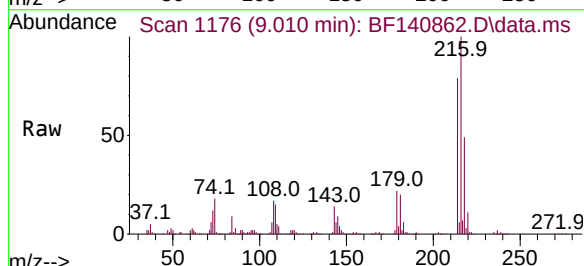
Ion Ratio Lower Upper

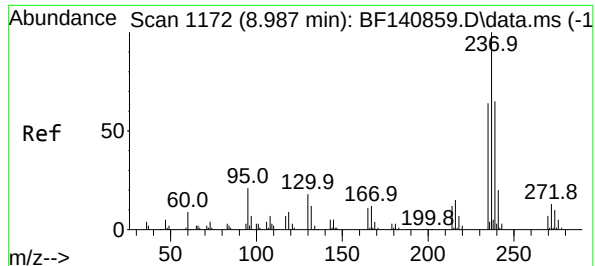
216 100

214 78.7 63.6 95.4

179 21.3 17.0 25.4

108 17.9 14.2 21.2

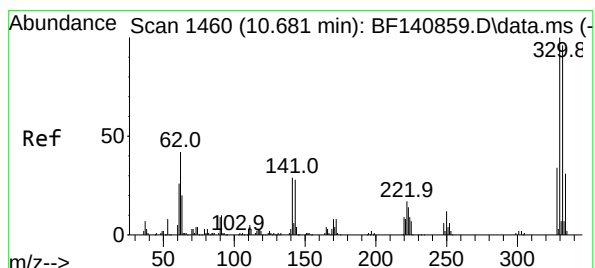
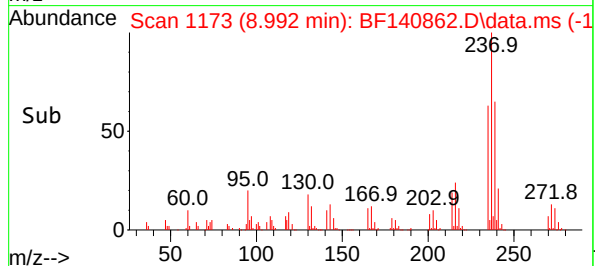
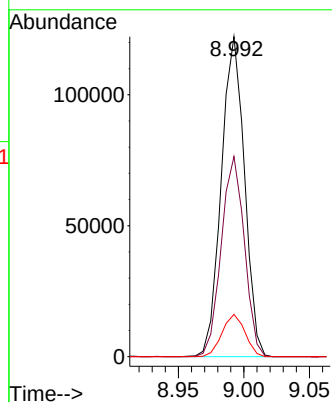
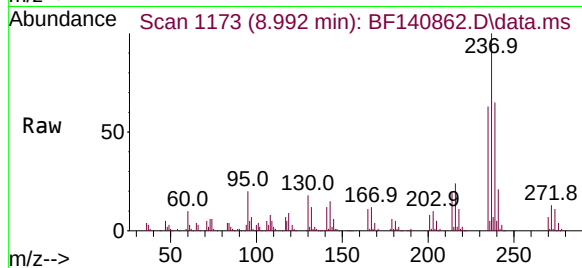




#41
Hexachlorocyclopentadiene
Concen: 80.025 ng
RT: 8.992 min Scan# 1172
Delta R.T. 0.005 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

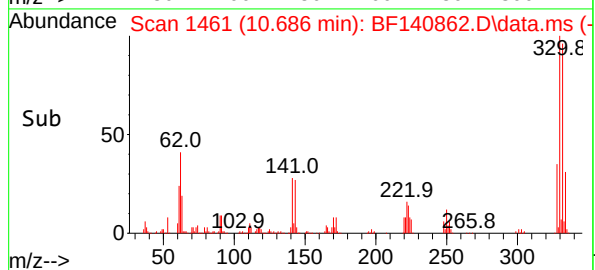
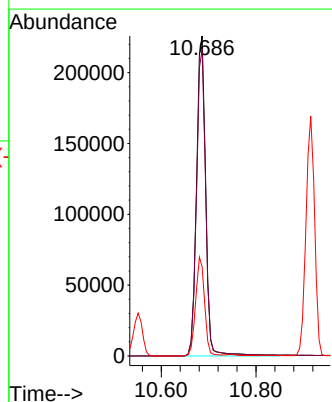
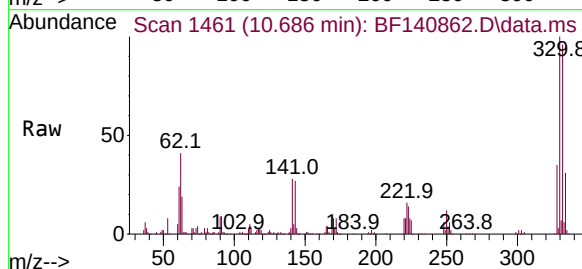
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

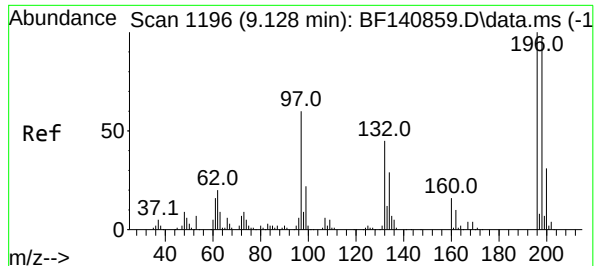
Tgt Ion: 237 Resp: 149909
Ion Ratio Lower Upper
237 100
235 62.6 43.7 83.7
272 13.2 0.0 32.9



#42
2,4,6-Tribromophenol
Concen: 152.164 ng
RT: 10.686 min Scan# 1461
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion: 330 Resp: 304721
Ion Ratio Lower Upper
330 100
332 95.6 76.2 114.4
141 30.2 24.9 37.3





#43

2,4,6-Trichlorophenol

Concen: 94.714 ng

RT: 9.134 min Scan# 1196

Delta R.T. 0.006 min

Lab File: BF140862.D

Acq: 16 Dec 2024 16:15

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

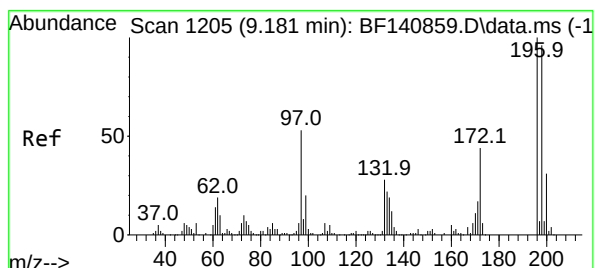
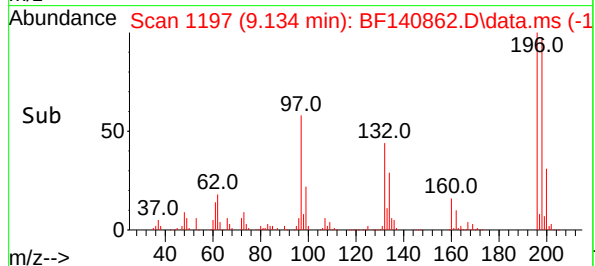
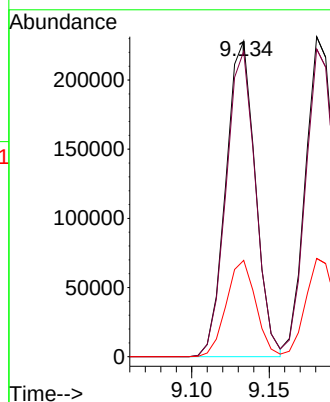
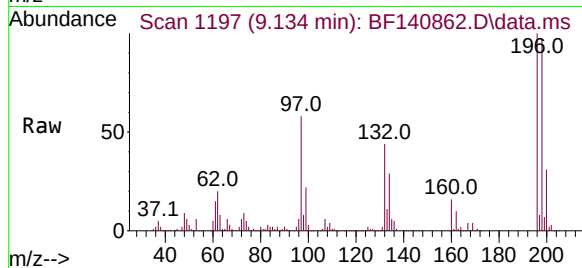
Tgt Ion:196 Resp: 301828

Ion Ratio Lower Upper

196 100

198 96.8 77.4 116.0

200 30.5 24.5 36.7



#44

2,4,5-Trichlorophenol

Concen: 91.760 ng

RT: 9.181 min Scan# 1205

Delta R.T. -0.000 min

Lab File: BF140862.D

Acq: 16 Dec 2024 16:15

Tgt Ion:196 Resp: 321402

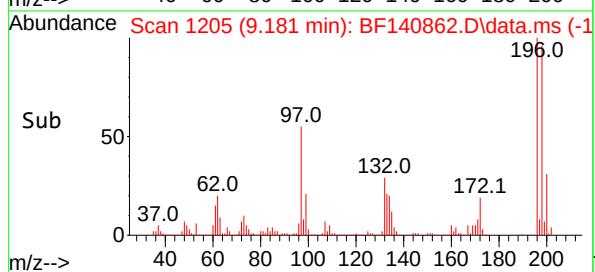
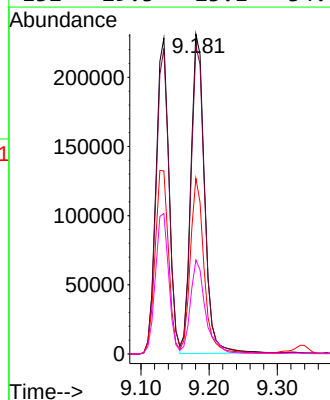
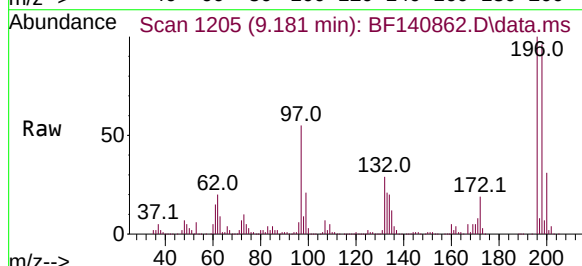
Ion Ratio Lower Upper

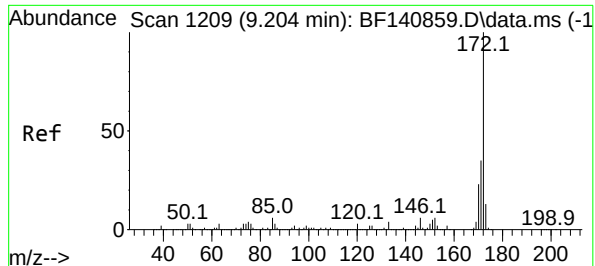
196 100

198 96.1 77.2 115.8

97 54.9 42.2 63.4

132 29.3 23.1 34.7

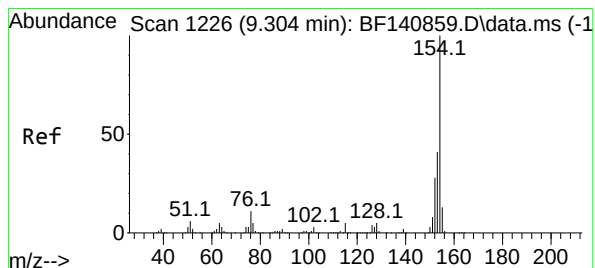
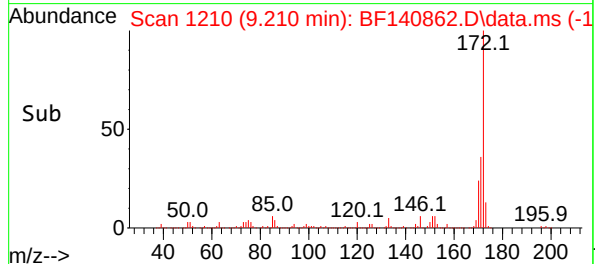
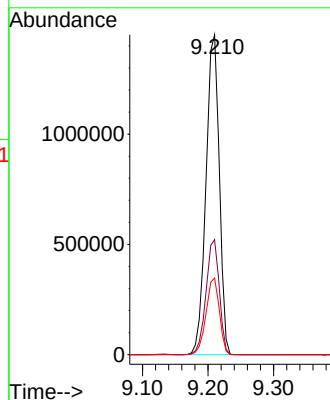
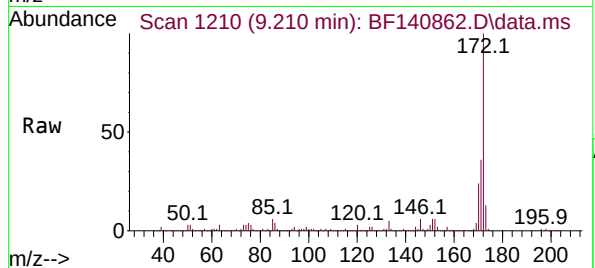




#45
2-Fluorobiphenyl
Concen: 166.807 ng
RT: 9.210 min Scan# 1210
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

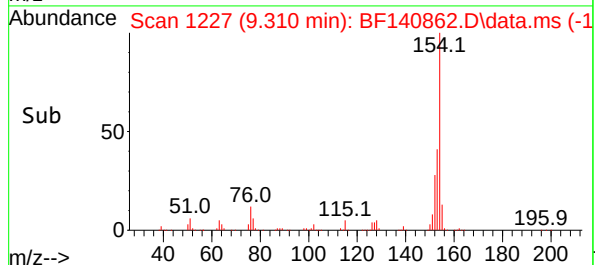
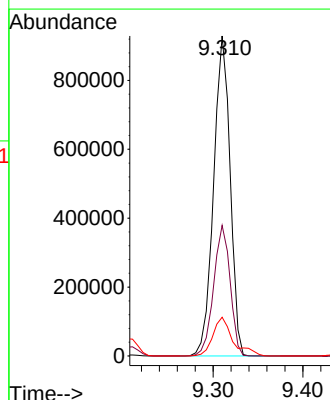
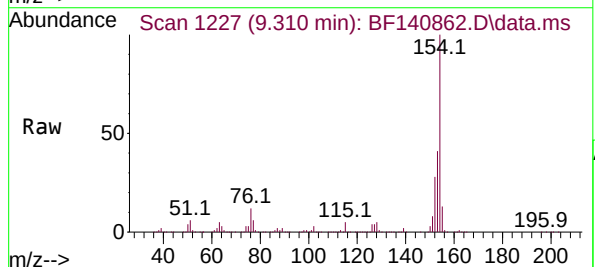
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

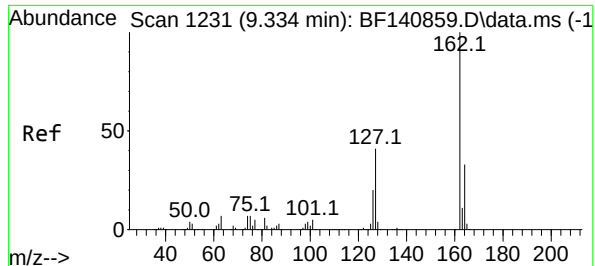
Tgt Ion:172 Resp: 2054327
Ion Ratio Lower Upper
172 100
171 36.0 28.4 42.6
170 24.0 18.6 28.0



#46
1,1'-Biphenyl
Concen: 88.155 ng
RT: 9.310 min Scan# 1227
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:154 Resp: 1186930
Ion Ratio Lower Upper
154 100
153 40.8 20.8 60.8
76 12.1 0.0 31.0

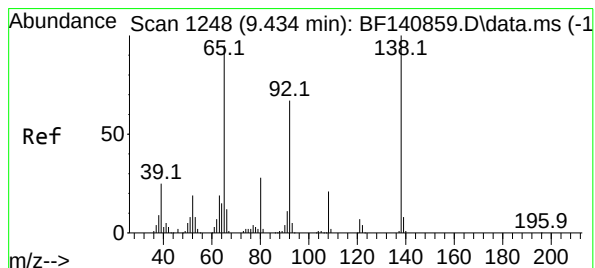
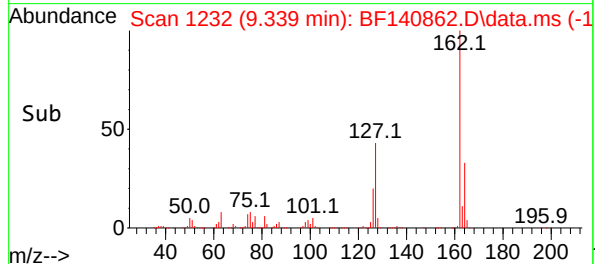
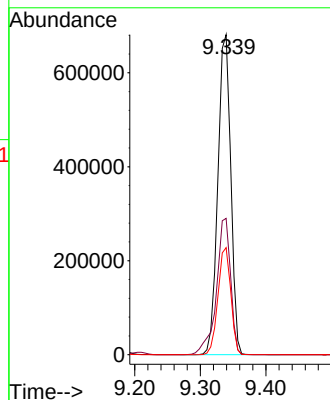
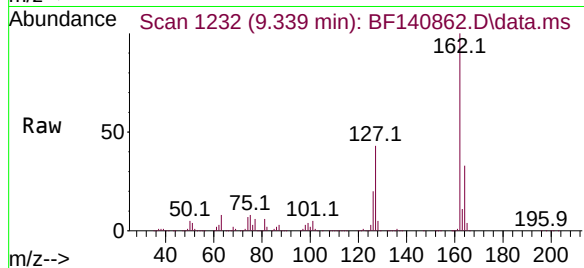




#47
2-Chloronaphthalene
Concen: 90.075 ng
RT: 9.339 min Scan# 1231
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

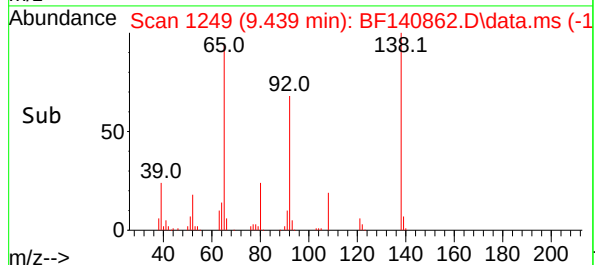
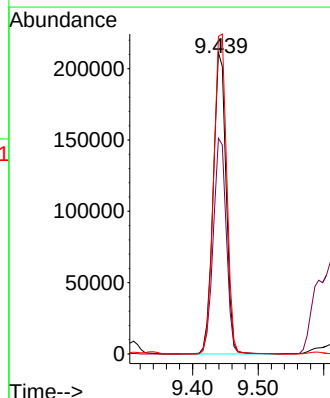
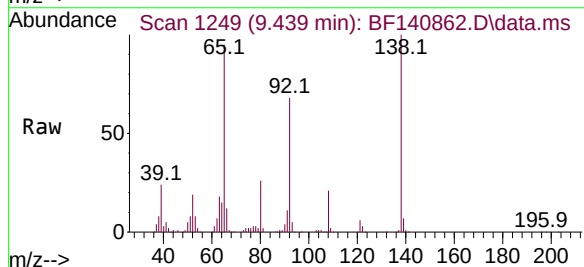
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

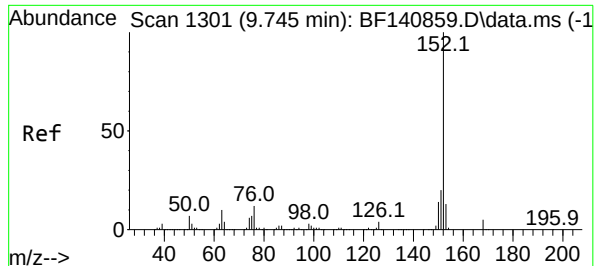
Tgt Ion:162 Resp: 927799
Ion Ratio Lower Upper
162 100
127 42.6 33.5 50.3
164 33.4 26.2 39.2



#48
2-Nitroaniline
Concen: 93.162 ng
RT: 9.439 min Scan# 1249
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion: 65 Resp: 289810
Ion Ratio Lower Upper
65 100
92 71.5 56.3 84.5
138 105.3 83.8 125.6

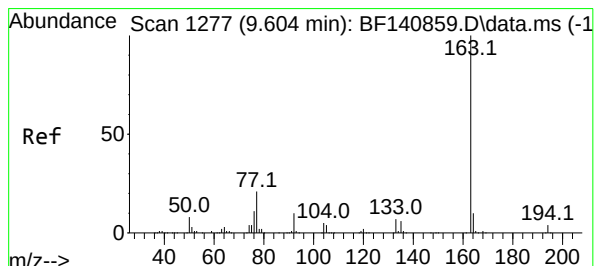
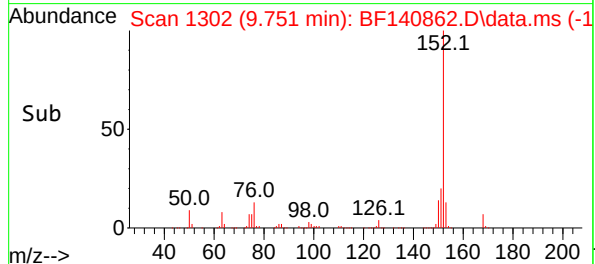
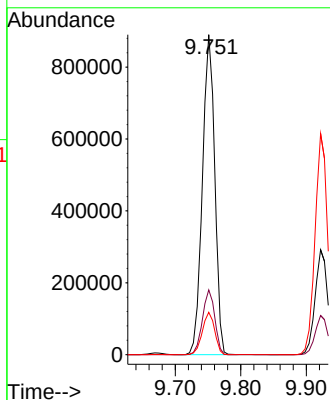
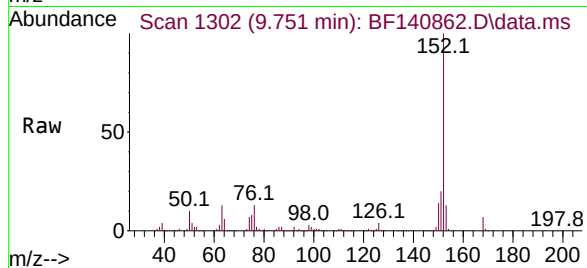




#49
Acenaphthylene
Concen: 77.278 ng
RT: 9.751 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

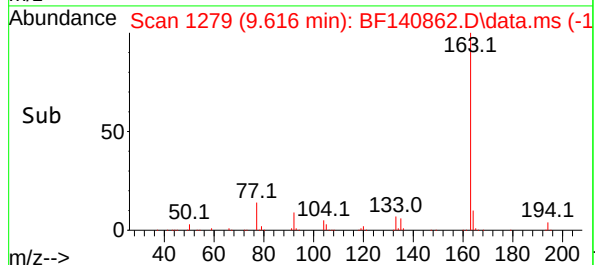
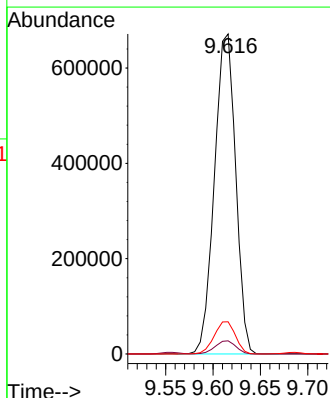
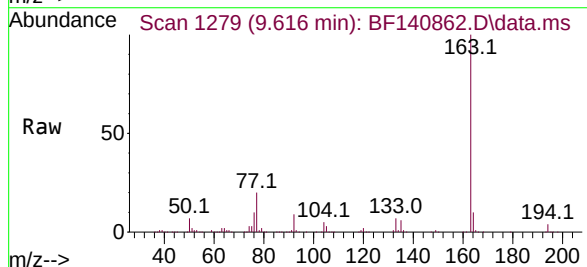
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

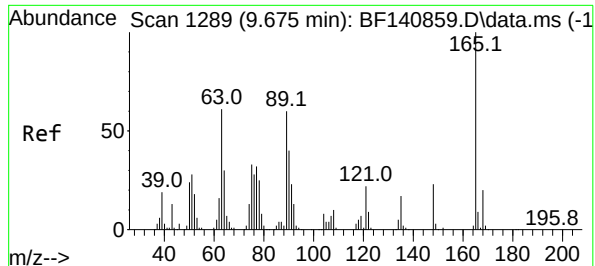
Tgt Ion:152 Resp: 1169747
Ion Ratio Lower Upper
152 100
151 20.3 16.0 24.0
153 13.3 10.6 16.0



#50
Dimethylphthalate
Concen: 87.890 ng
RT: 9.616 min Scan# 1279
Delta R.T. 0.012 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:163 Resp: 1049196
Ion Ratio Lower Upper
163 100
194 4.1 3.1 4.7
164 10.1 8.1 12.1





#51

2,6-Dinitrotoluene

Concen: 88.104 ng

RT: 9.686 min Scan# 1289

Delta R.T. 0.012 min

Lab File: BF140862.D

Acq: 16 Dec 2024 16:15

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

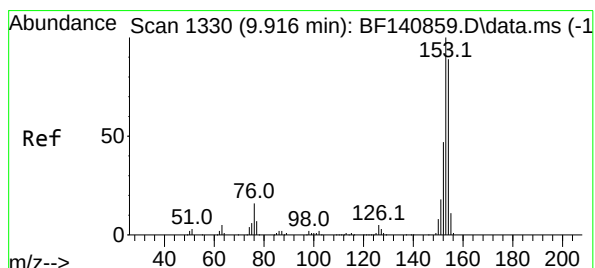
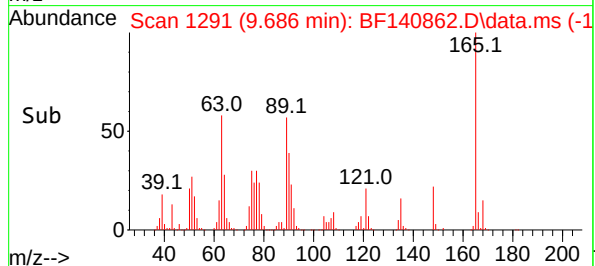
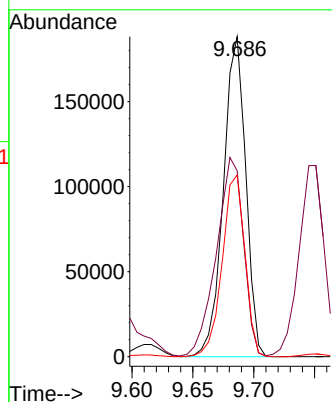
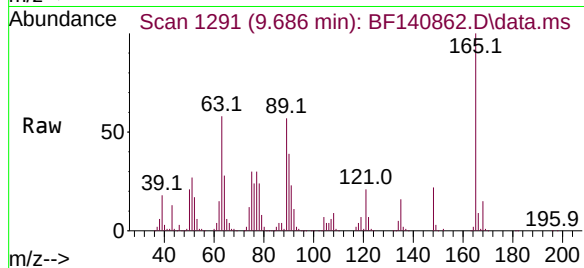
Tgt Ion:165 Resp: 240439

Ion Ratio Lower Upper

165 100

63 58.1 49.7 74.5

89 56.8 48.2 72.4



#52

Acenaphthene

Concen: 73.511 ng

RT: 9.922 min Scan# 1331

Delta R.T. 0.006 min

Lab File: BF140862.D

Acq: 16 Dec 2024 16:15

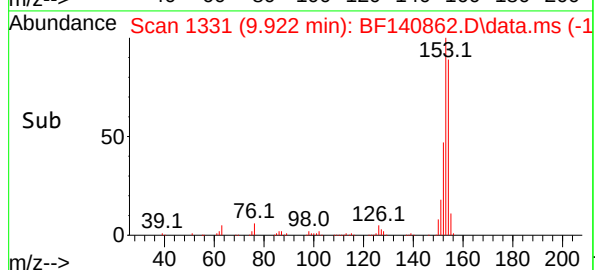
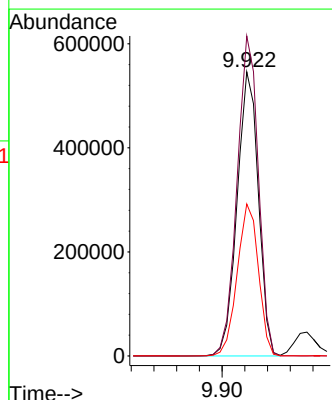
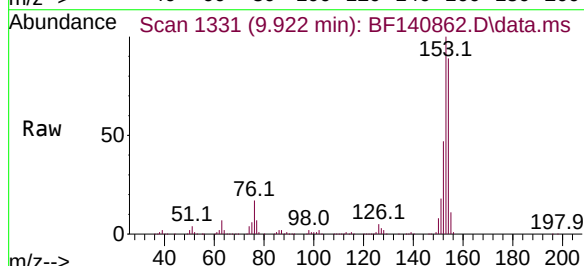
Tgt Ion:154 Resp: 710789

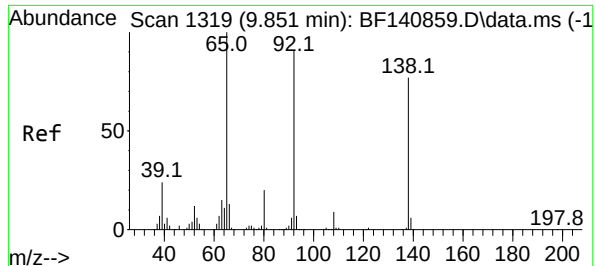
Ion Ratio Lower Upper

154 100

153 112.6 89.9 134.9

152 53.5 42.6 63.8

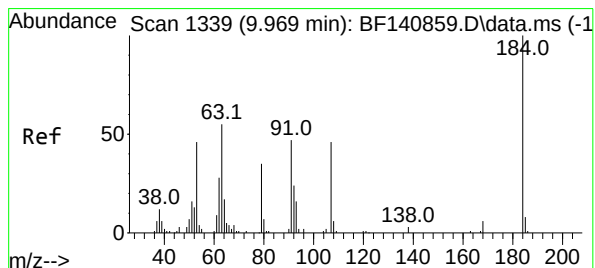
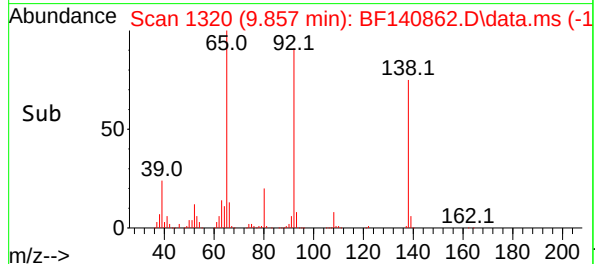
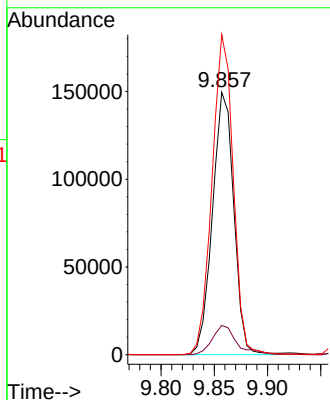
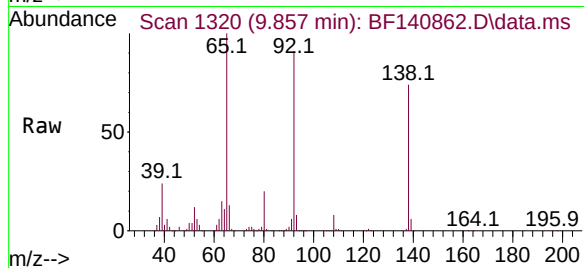




#53
3-Nitroaniline
Concen: 76.804 ng
RT: 9.857 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

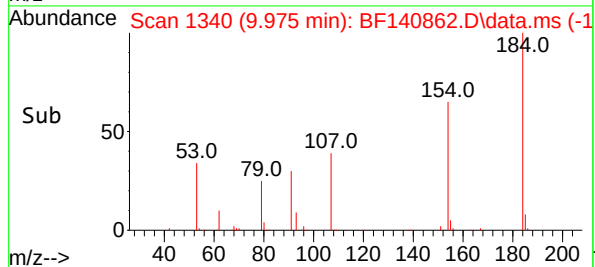
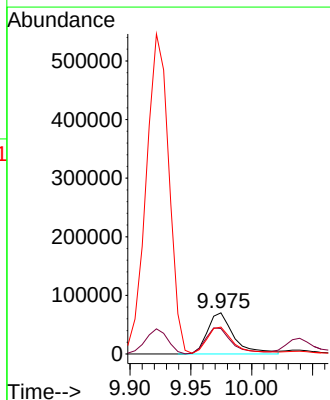
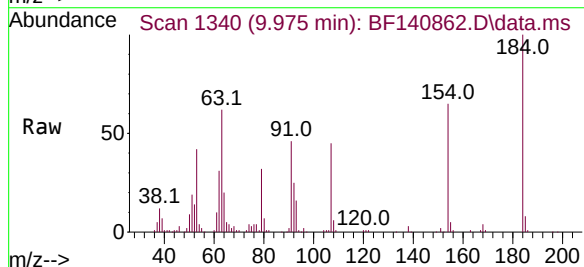
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

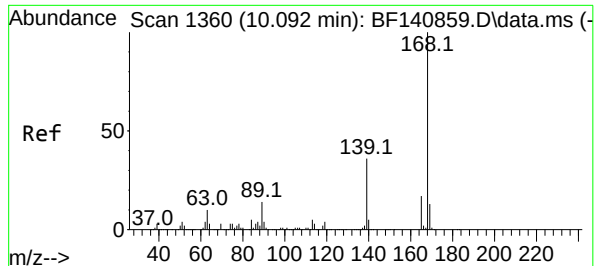
Tgt Ion:138 Resp: 208004
Ion Ratio Lower Upper
138 100
108 11.1 9.0 13.4
92 122.0 95.5 143.3



#54
2,4-Dinitrophenol
Concen: 79.797 ng
RT: 9.975 min Scan# 1340
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:184 Resp: 106230
Ion Ratio Lower Upper
184 100
63 62.0 51.6 77.4
154 65.4 56.1 84.1





#55

Dibenzenofuran

Concen: 71.543 ng

RT: 10.092 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF140862.D

Acq: 16 Dec 2024 16:15

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

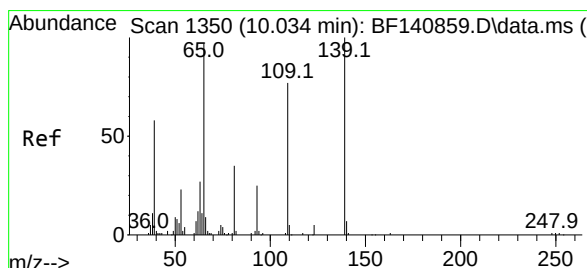
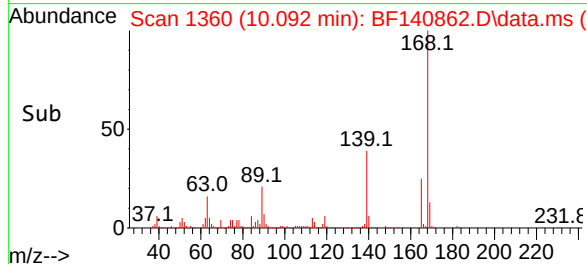
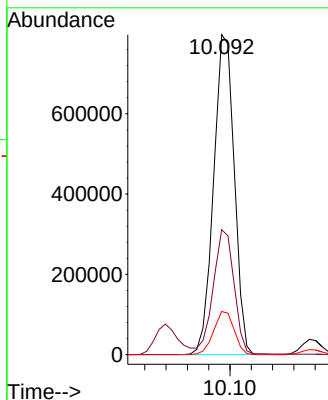
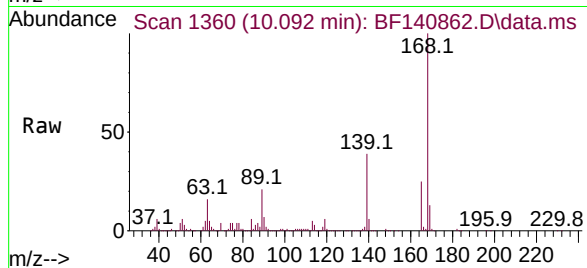
Tgt Ion:168 Resp: 1071923

Ion Ratio Lower Upper

168 100

139 39.1 31.1 46.7

169 13.5 10.6 16.0



#56

4-Nitrophenol

Concen: 77.685 ng

RT: 10.039 min Scan# 1351

Delta R.T. 0.005 min

Lab File: BF140862.D

Acq: 16 Dec 2024 16:15

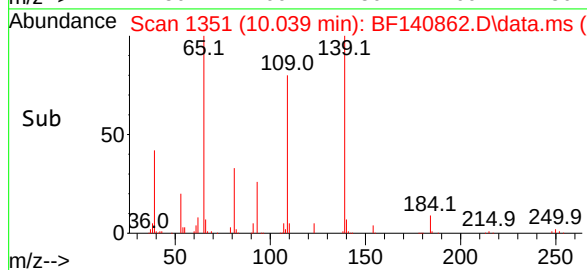
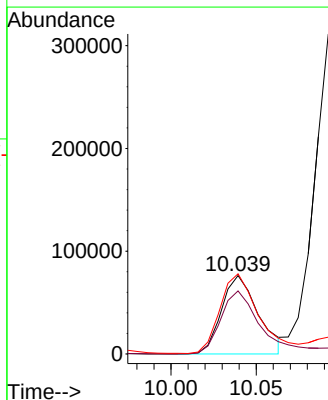
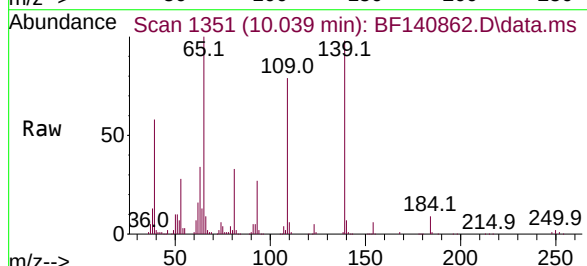
Tgt Ion:139 Resp: 112972

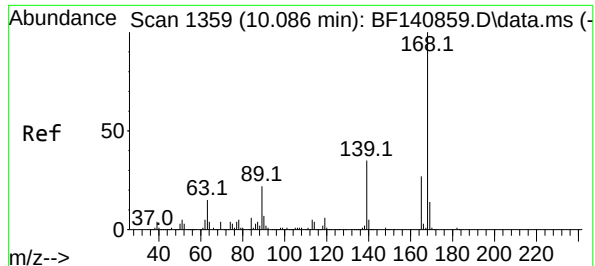
Ion Ratio Lower Upper

139 100

109 80.5 56.7 96.7

65 102.3 78.1 118.1

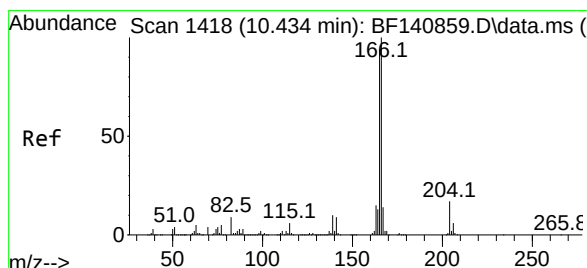
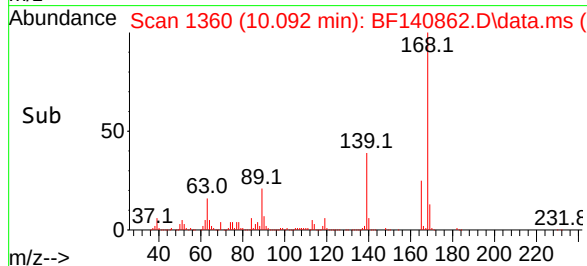
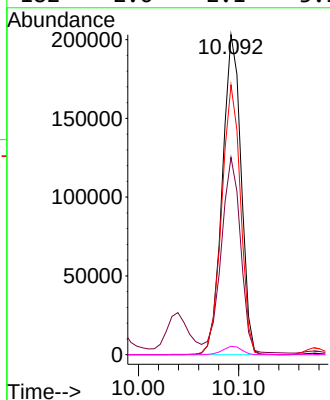
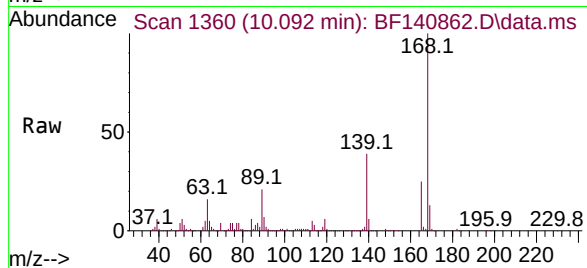




#57
2,4-Dinitrotoluene
Concen: 73.423 ng
RT: 10.092 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

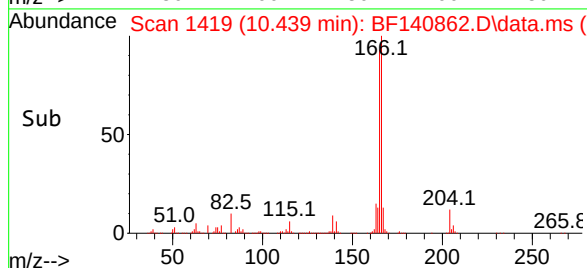
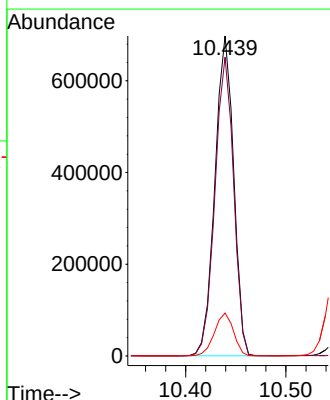
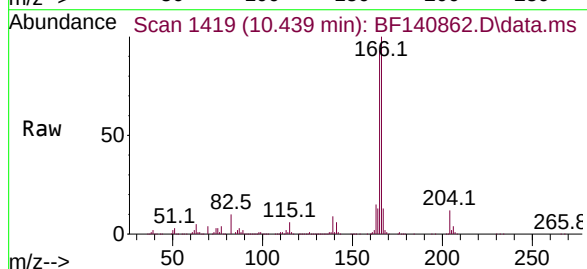
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

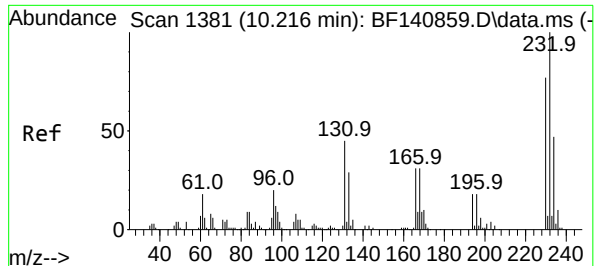
Tgt Ion:165 Resp: 263636
Ion Ratio Lower Upper
165 100
63 61.7 49.3 73.9
89 84.3 66.2 99.4
182 2.6 2.1 3.1



#58
Fluorene
Concen: 73.147 ng
RT: 10.439 min Scan# 1419
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:166 Resp: 904163
Ion Ratio Lower Upper
166 100
165 93.3 75.1 112.7
167 13.4 11.1 16.7

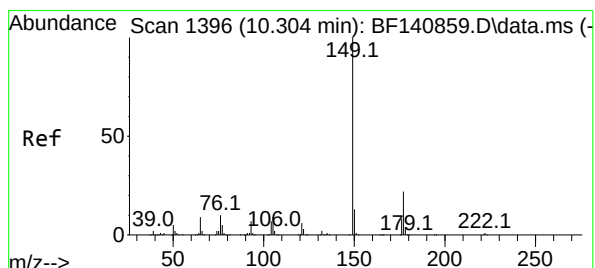
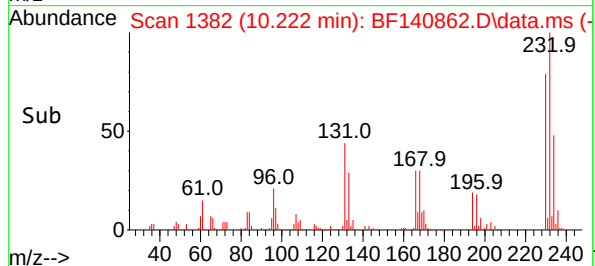
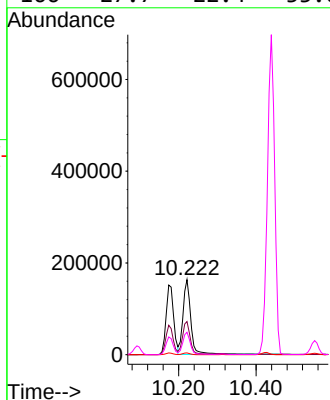
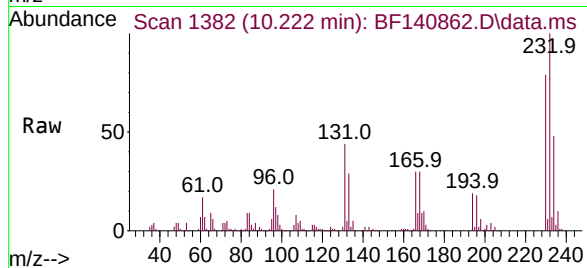




#59
2,3,4,6-Tetrachlorophenol
Concen: 80.870 ng
RT: 10.222 min Scan# 1382
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

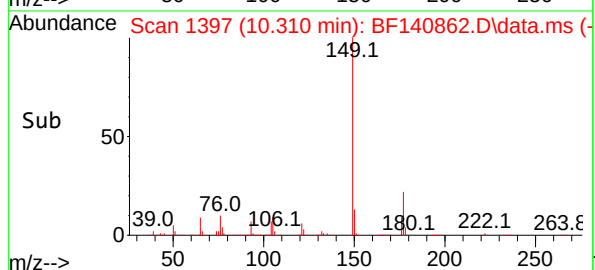
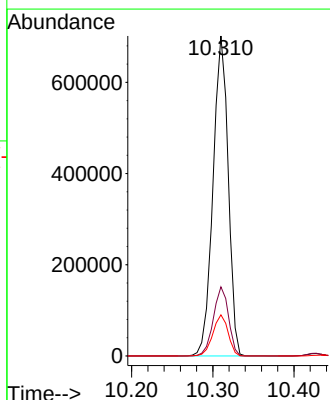
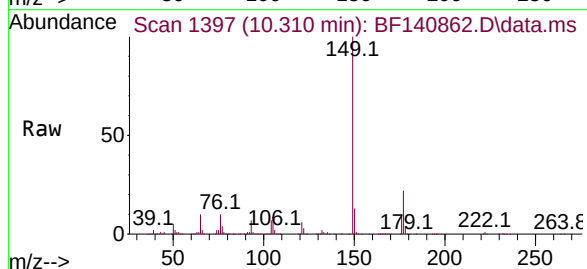
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

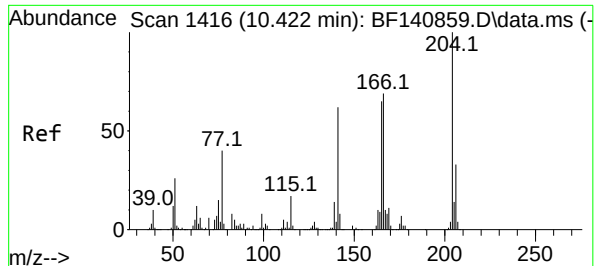
Tgt Ion:232 Resp: 230812
Ion Ratio Lower Upper
232 100
131 43.4 35.1 52.7
130 2.1 1.8 2.8
166 27.7 22.4 33.6



#60
Diethylphthalate
Concen: 73.664 ng
RT: 10.310 min Scan# 1397
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:149 Resp: 911868
Ion Ratio Lower Upper
149 100
177 21.6 17.2 25.8
150 12.8 10.1 15.1

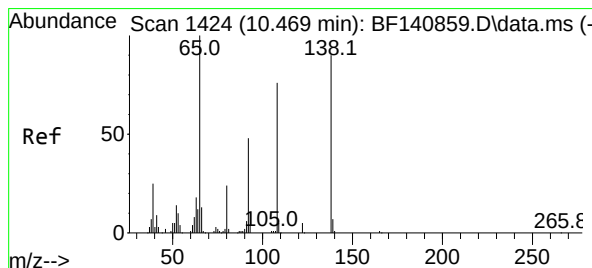
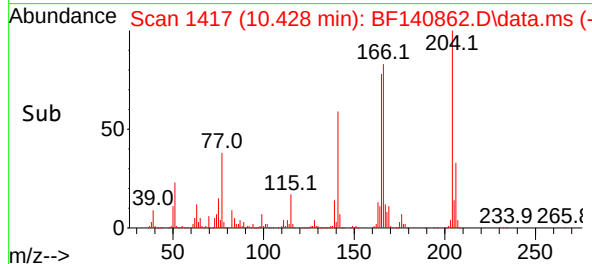
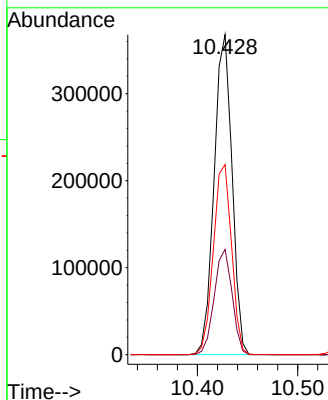
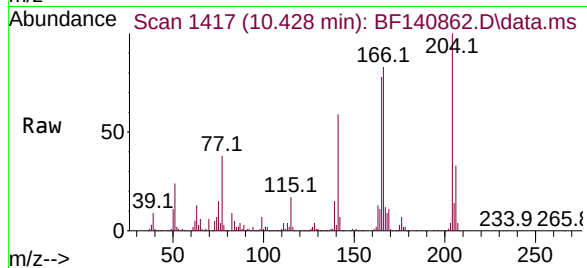




#61
4-Chlorophenyl-phenylether
Concen: 73.562 ng
RT: 10.428 min Scan# 1416
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

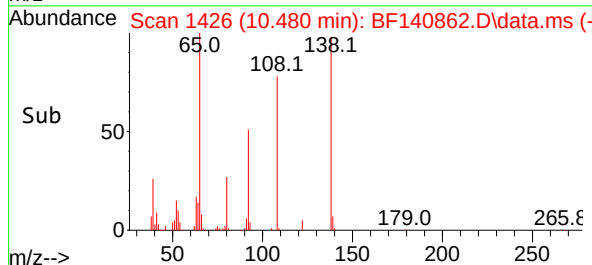
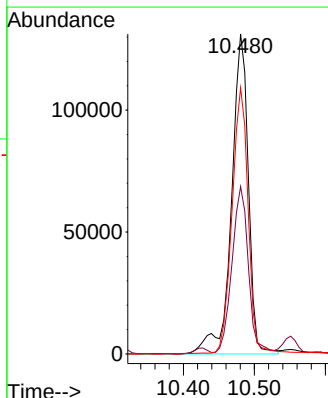
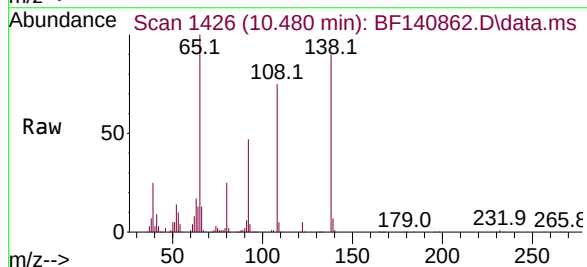
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

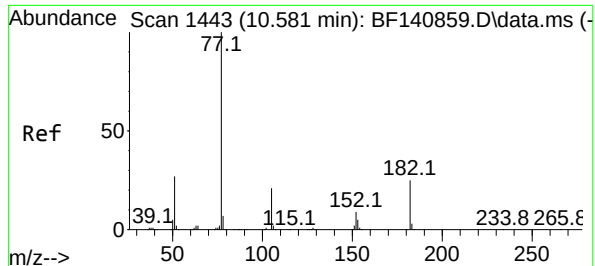
Tgt Ion:204 Resp: 456754
Ion Ratio Lower Upper
204 100
206 32.9 26.5 39.7
141 59.4 50.0 75.0



#62
4-Nitroaniline
Concen: 76.547 ng
RT: 10.480 min Scan# 1426
Delta R.T. 0.012 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:138 Resp: 216635
Ion Ratio Lower Upper
138 100
92 52.3 32.6 72.6
108 83.2 64.1 104.1

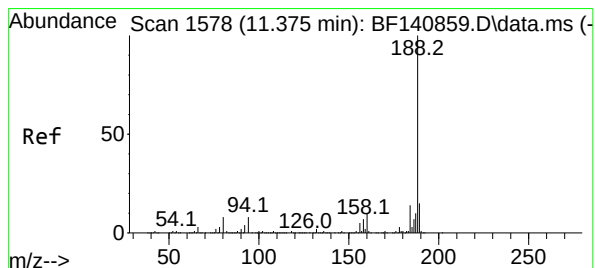
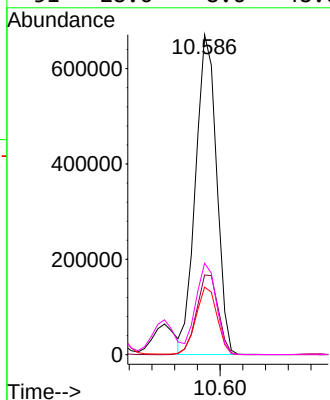
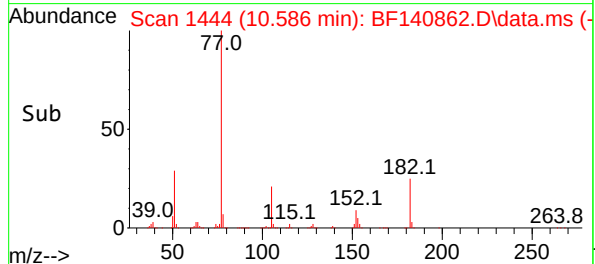
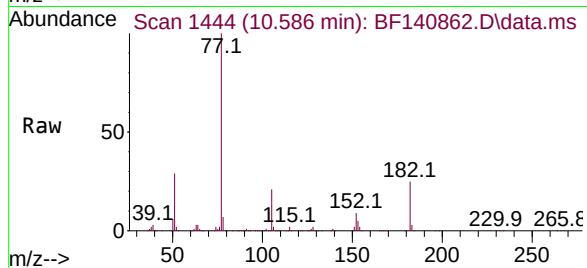




#63
Azobenzene
Concen: 74.110 ng
RT: 10.586 min Scan# 1443
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

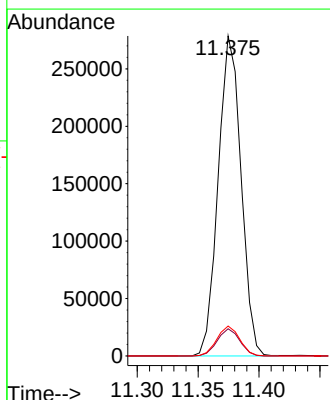
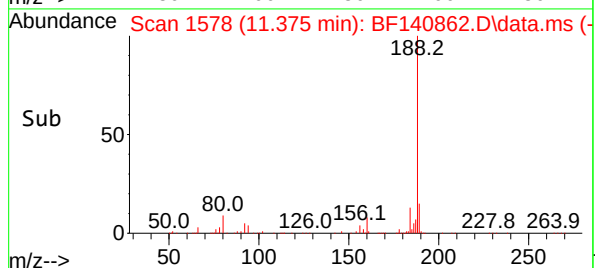
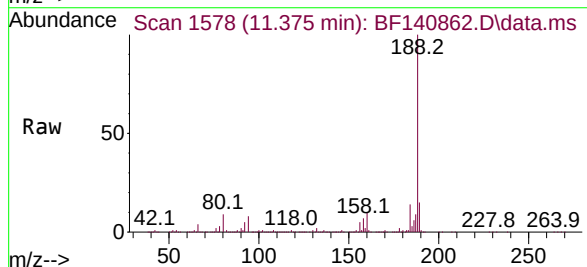
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

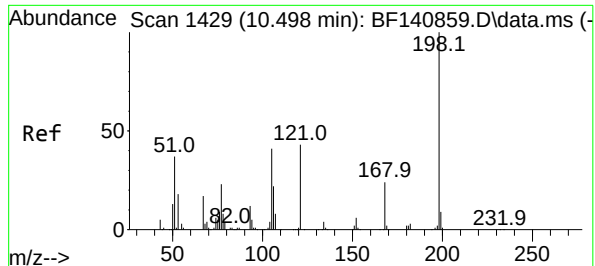
Tgt Ion: 77 Resp: 862457
Ion Ratio Lower Upper
77 100
182 24.9 4.5 44.5
105 21.1 0.9 40.9
51 28.6 8.6 48.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.375 min Scan# 1578
Delta R.T. -0.000 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion: 188 Resp: 364516
Ion Ratio Lower Upper
188 100
94 8.5 6.4 9.6
80 9.4 6.8 10.2

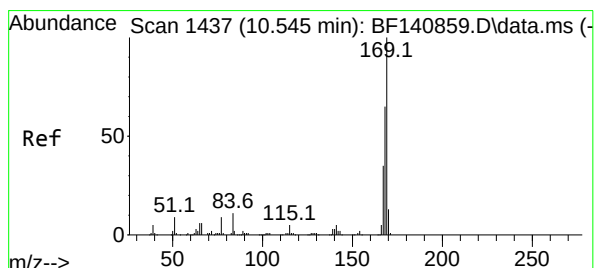
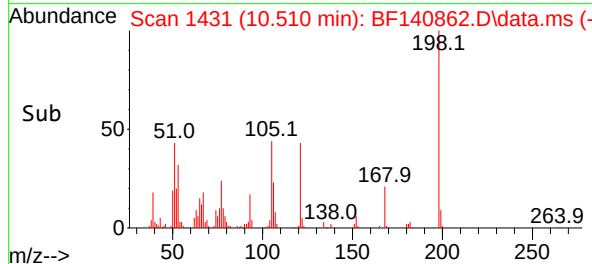
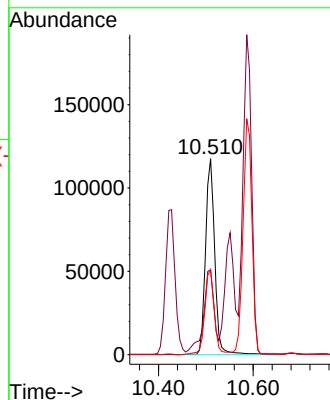
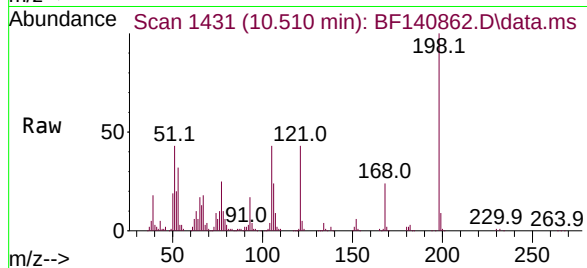




#65
4,6-Dinitro-2-methylphenol
Concen: 76.975 ng
RT: 10.510 min Scan# 1429
Delta R.T. 0.012 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

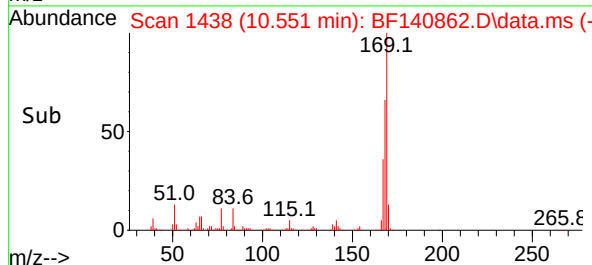
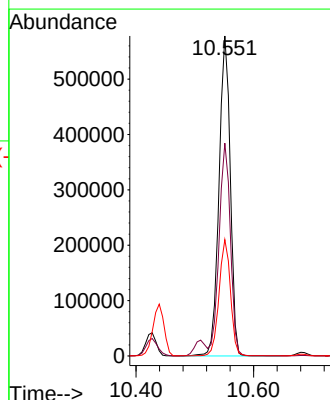
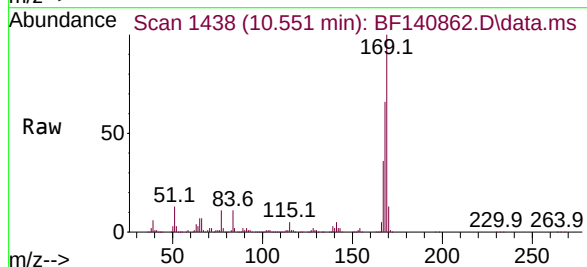
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

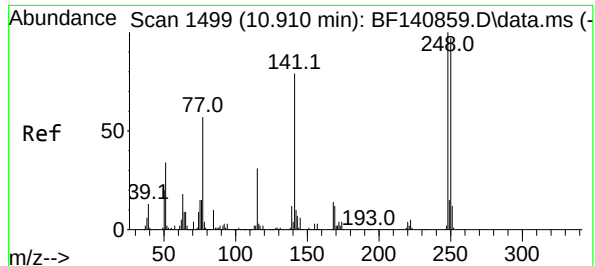
Tgt Ion	Ratio	Lower	Upper
198	100		
51	43.3	24.4	64.4
105	43.4	22.1	62.1



#66
n-Nitrosodiphenylamine
Concen: 68.519 ng
RT: 10.551 min Scan# 1438
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion	Ratio	Lower	Upper
169	100		
168	66.5	53.4	80.0
167	36.3	28.3	42.5

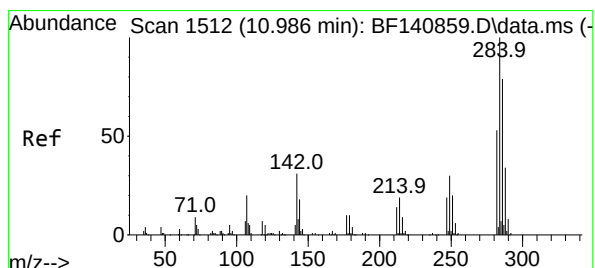
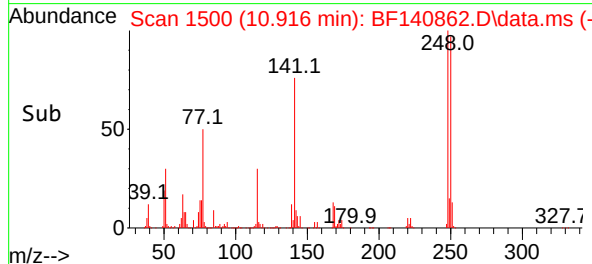
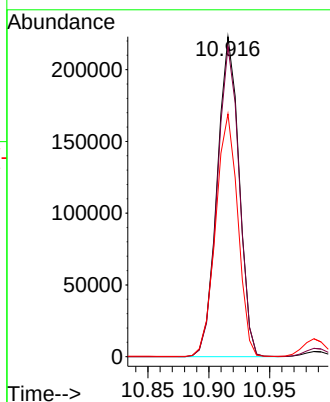
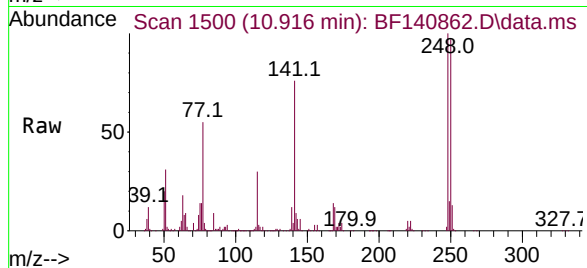




#67
4-Bromophenyl-phenylether
Concen: 68.648 ng
RT: 10.916 min Scan# 1499
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

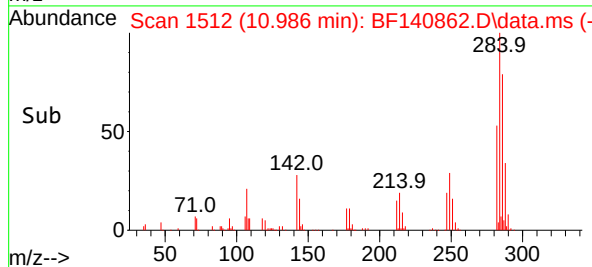
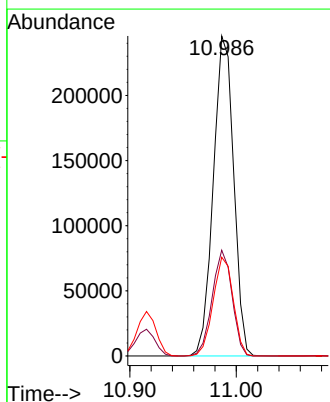
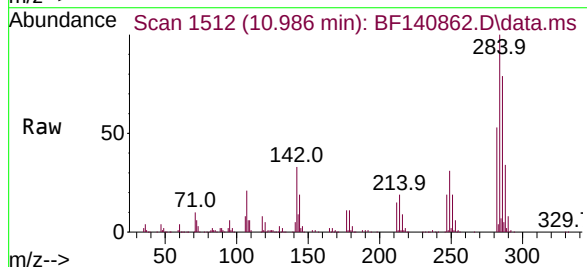
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

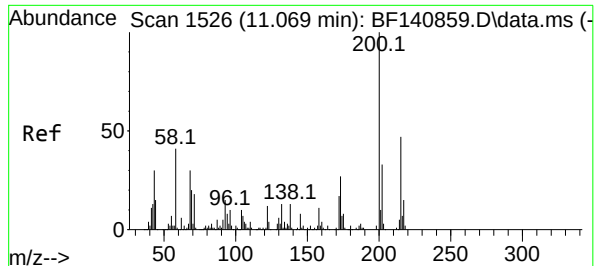
Tgt Ion	Ratio	Lower	Upper
248	100		
250	96.9	77.4	116.2
141	75.9	62.9	94.3



#68
Hexachlorobenzene
Concen: 70.220 ng
RT: 10.986 min Scan# 1512
Delta R.T. -0.000 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion	Ratio	Lower	Upper
284	100		
142	33.1	24.6	36.8
249	30.9	24.3	36.5





#69

Atrazine

Concen: 59.385 ng

RT: 11.075 min Scan# 1527

Delta R.T. 0.006 min

Lab File: BF140862.D

Acq: 16 Dec 2024 16:15

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

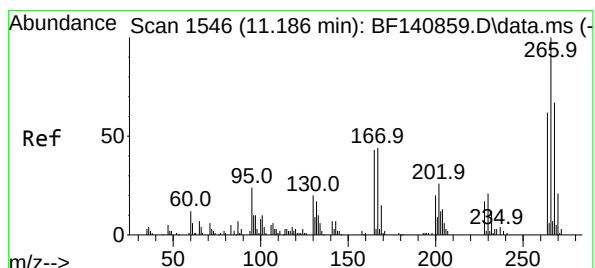
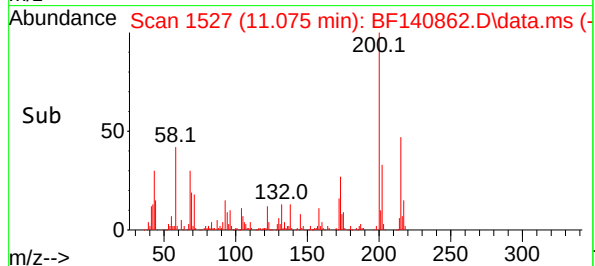
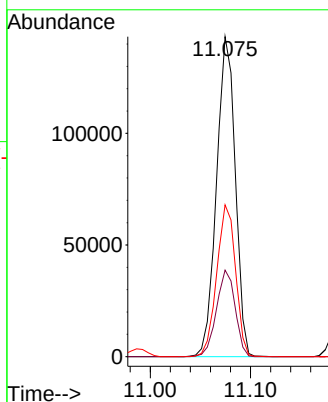
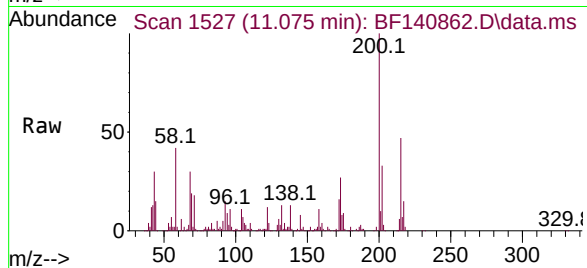
Tgt Ion:200 Resp: 185877

Ion Ratio Lower Upper

200 100

173 27.1 6.6 46.6

215 47.4 26.7 66.7



#70

Pentachlorophenol

Concen: 91.050 ng

RT: 11.192 min Scan# 1547

Delta R.T. 0.006 min

Lab File: BF140862.D

Acq: 16 Dec 2024 16:15

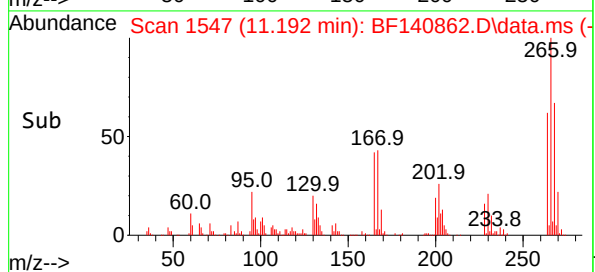
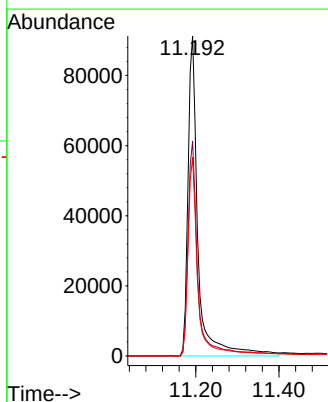
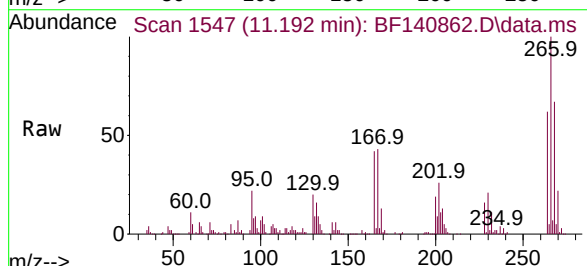
Tgt Ion:266 Resp: 153999

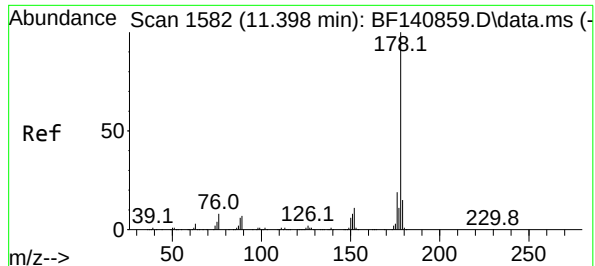
Ion Ratio Lower Upper

266 100

268 67.1 54.0 81.0

264 62.1 49.4 74.2

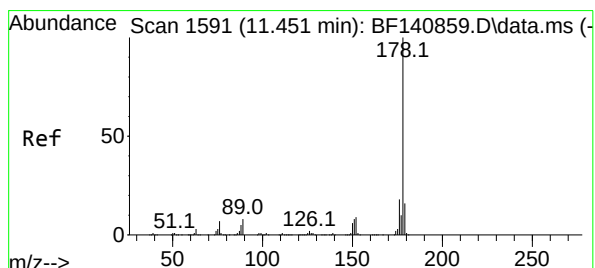
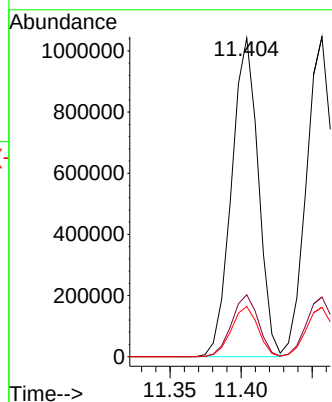
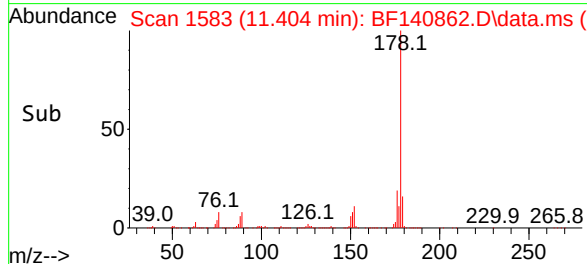
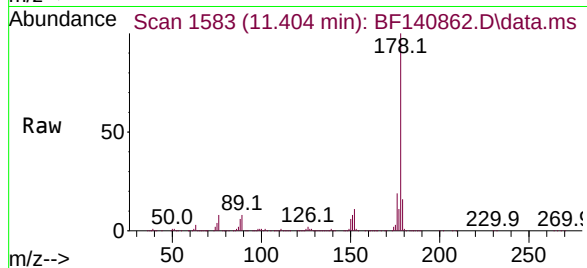




#71
Phenanthrene
Concen: 72.850 ng
RT: 11.404 min Scan# 1583
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

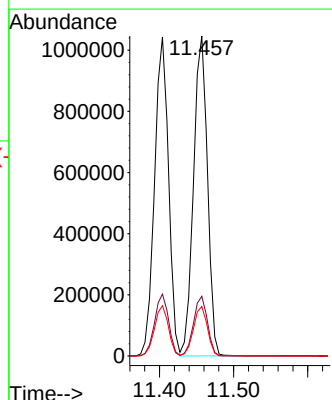
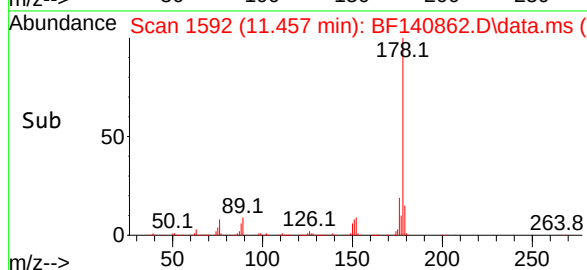
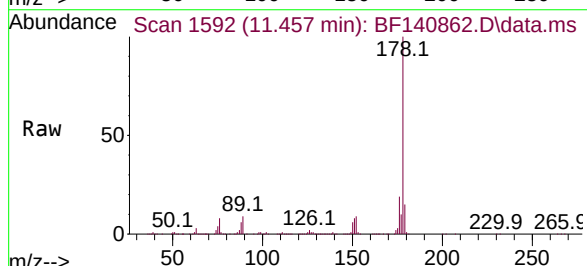
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

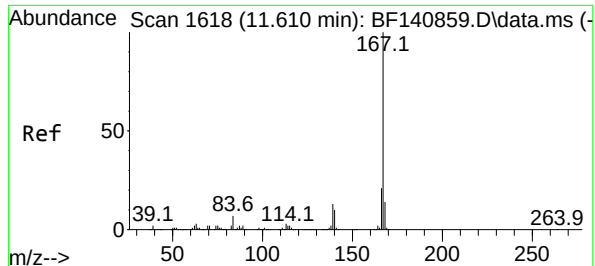
Tgt Ion:178 Resp: 1365579
Ion Ratio Lower Upper
178 100
176 19.5 15.4 23.2
179 15.8 12.1 18.1



#72
Anthracene
Concen: 73.769 ng
RT: 11.457 min Scan# 1592
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:178 Resp: 1361788
Ion Ratio Lower Upper
178 100
176 18.7 14.6 22.0
179 15.4 12.6 18.8

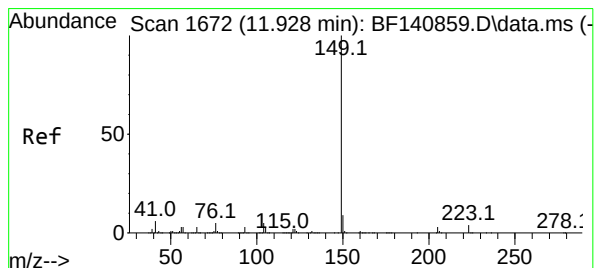
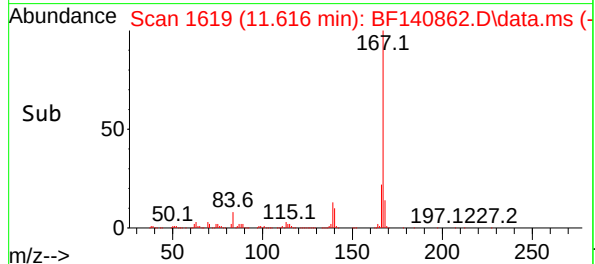
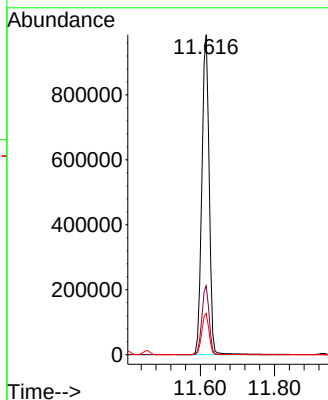
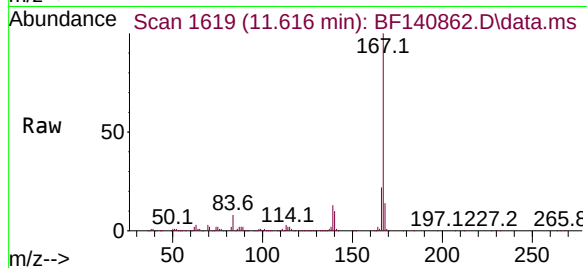




#73
Carbazole
Concen: 74.170 ng
RT: 11.616 min Scan# 1619
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

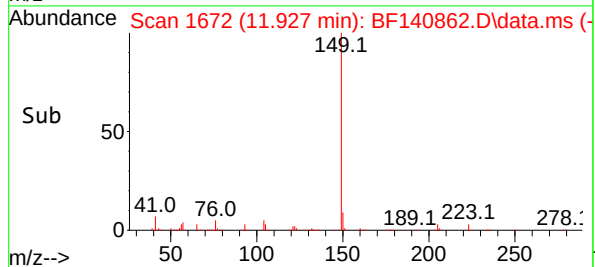
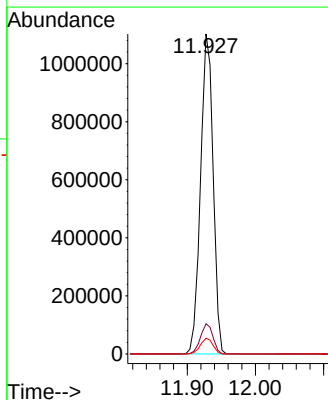
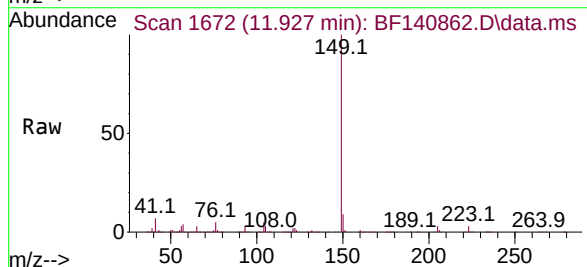
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

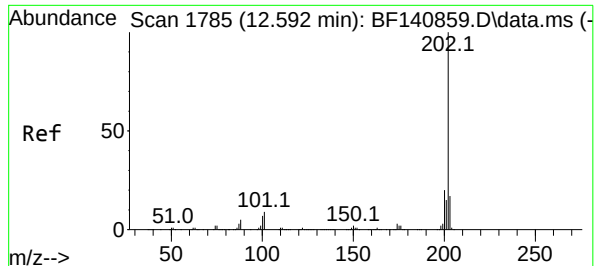
Tgt Ion:167 Resp: 1341097
Ion Ratio Lower Upper
167 100
166 21.5 17.0 25.6
139 12.9 10.2 15.2



#74
Di-n-butylphthalate
Concen: 66.492 ng
RT: 11.927 min Scan# 1672
Delta R.T. -0.000 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:149 Resp: 1410986
Ion Ratio Lower Upper
149 100
150 9.5 7.5 11.3
104 5.0 3.8 5.8

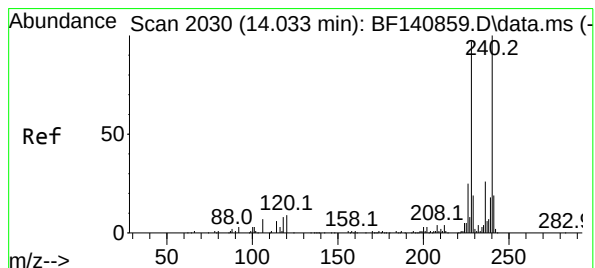
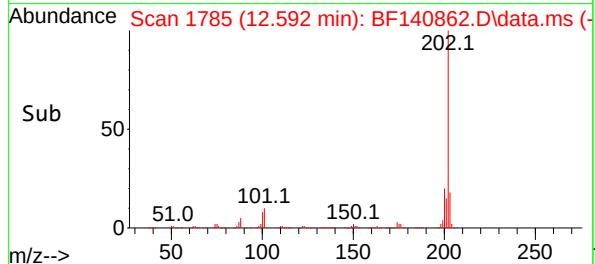
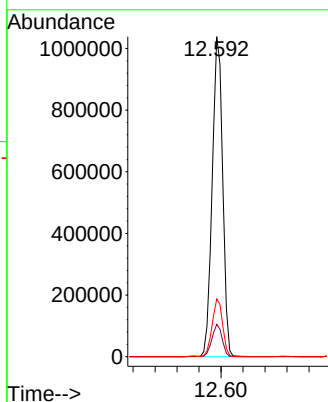
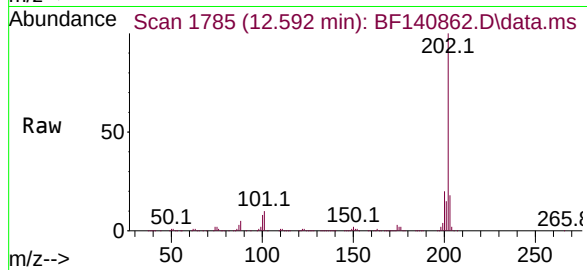




#75
Fluoranthene
Concen: 63.687 ng
RT: 12.592 min Scan# 1785
Delta R.T. -0.000 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

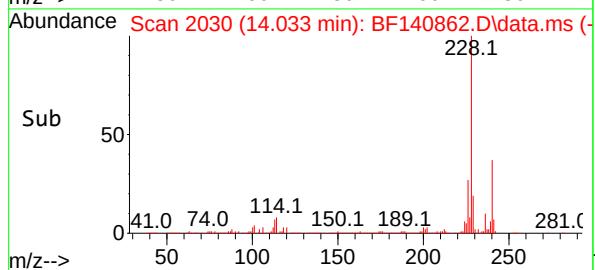
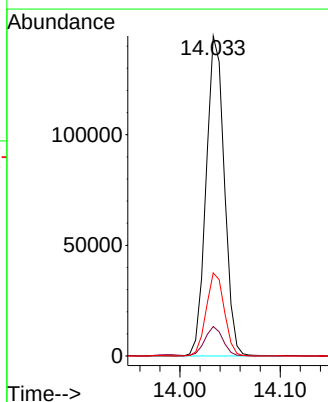
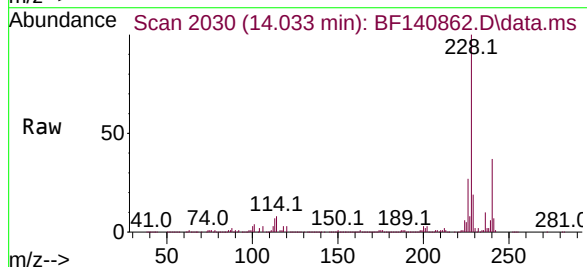
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

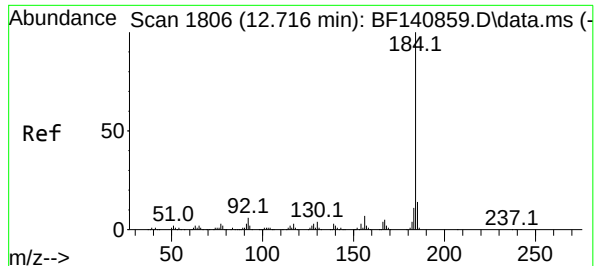
Tgt Ion:202 Resp: 1374862
Ion Ratio Lower Upper
202 100
101 10.1 0.0 29.3
203 18.1 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:240 Resp: 182739
Ion Ratio Lower Upper
240 100
120 9.2 7.6 11.4
236 26.0 20.5 30.7

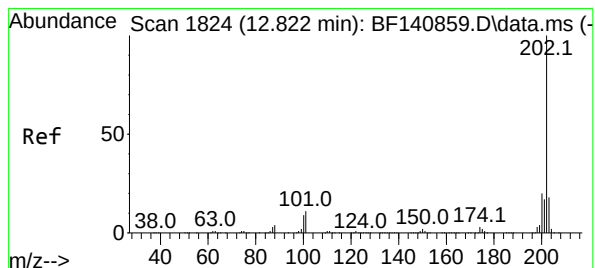
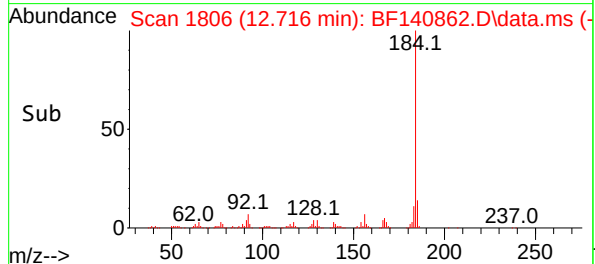
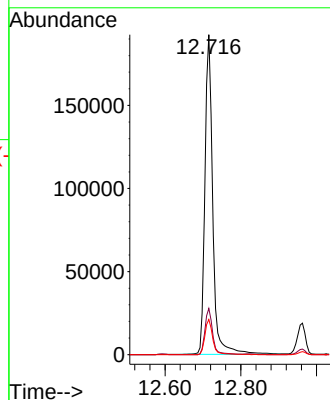
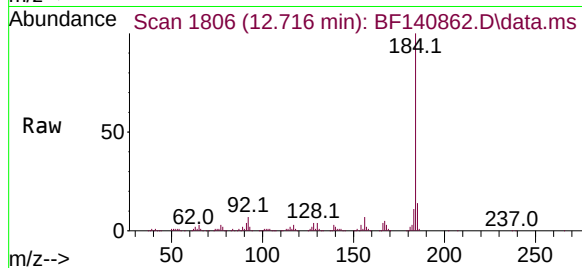




#77
Benzidine
Concen: 74.064 ng
RT: 12.716 min Scan# 1806
Delta R.T. -0.000 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

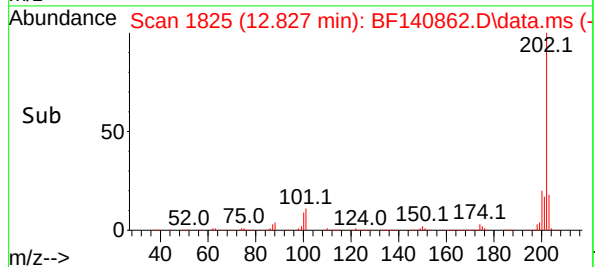
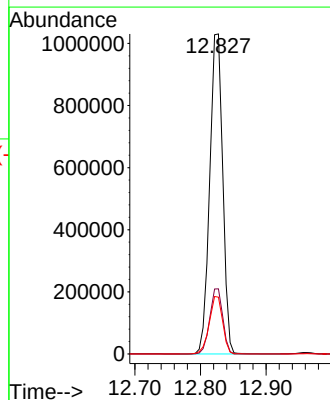
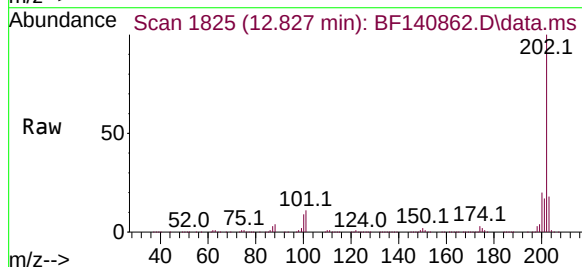
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

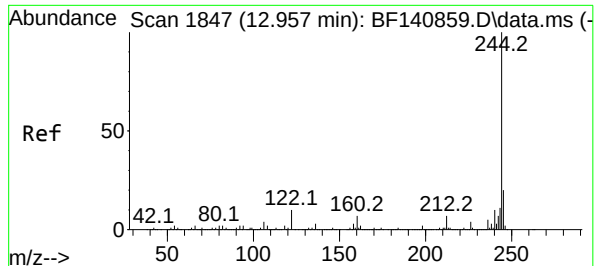
Tgt Ion:184 Resp: 276230
Ion Ratio Lower Upper
184 100
185 14.5 11.1 16.7
183 11.0 9.0 13.4



#78
Pyrene
Concen: 87.621 ng
RT: 12.827 min Scan# 1825
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:202 Resp: 1423860
Ion Ratio Lower Upper
202 100
200 20.3 16.1 24.1
203 17.8 14.2 21.4

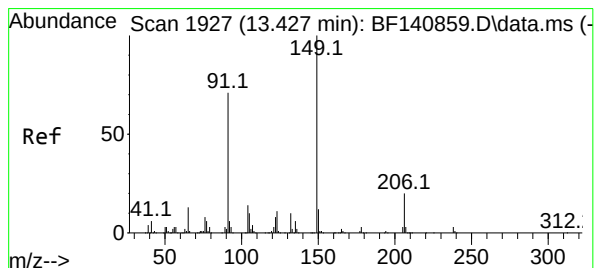
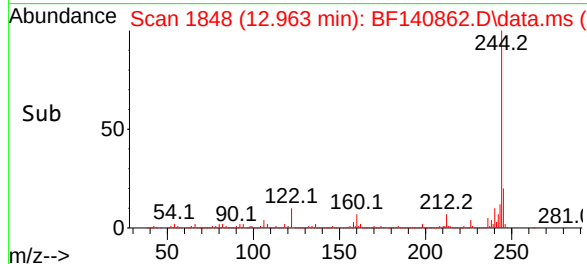
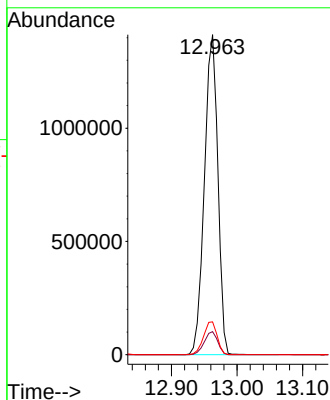
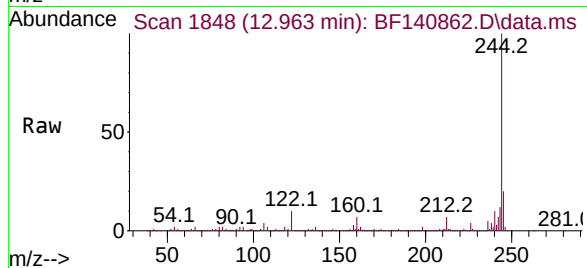




#79
Terphenyl-d14
Concen: 174.221 ng
RT: 12.963 min Scan# 1848
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

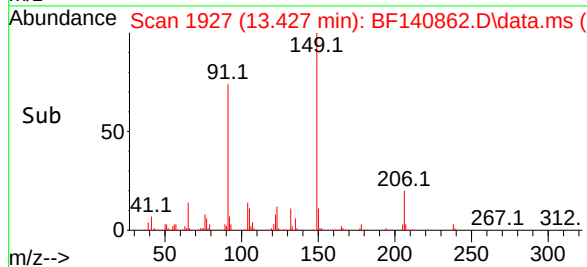
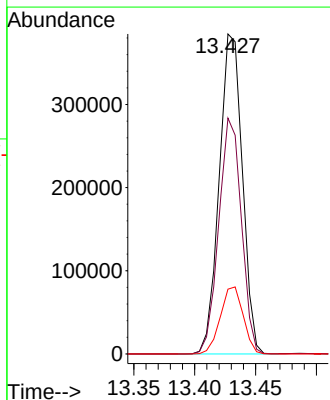
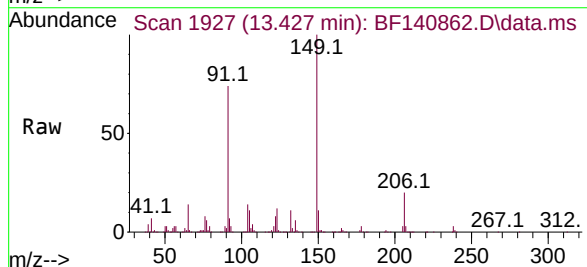
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

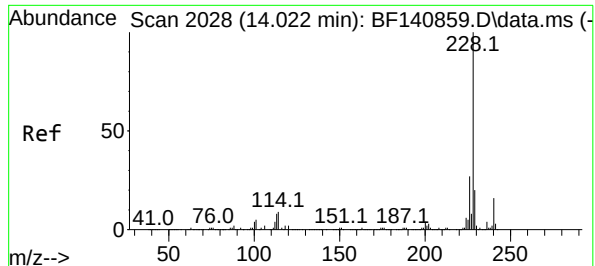
Tgt Ion:244 Resp: 2018997
Ion Ratio Lower Upper
244 100
212 7.2 5.6 8.4
122 10.2 8.2 12.2



#80
Butylbenzylphthalate
Concen: 85.043 ng
RT: 13.427 min Scan# 1927
Delta R.T. -0.000 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:149 Resp: 508497
Ion Ratio Lower Upper
149 100
91 73.7 56.7 85.1
206 20.3 16.4 24.6

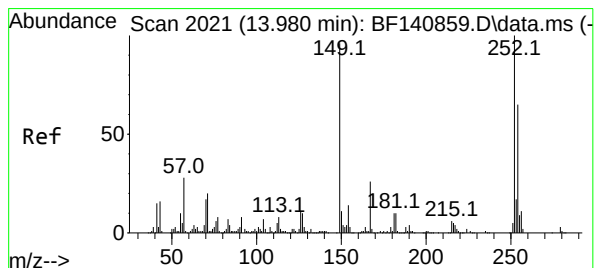
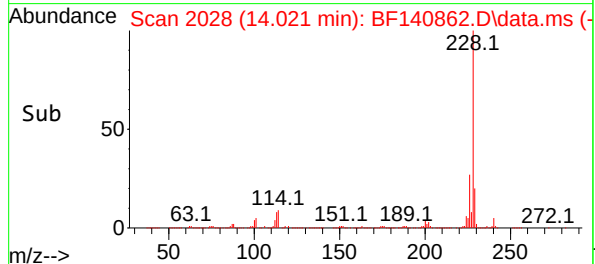
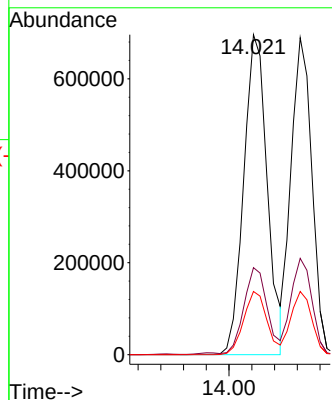
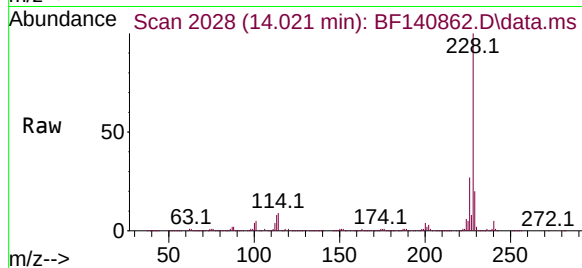




#81
Benzo(a)anthracene
Concen: 77.292 ng
RT: 14.021 min Scan# 2028
Delta R.T. -0.000 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

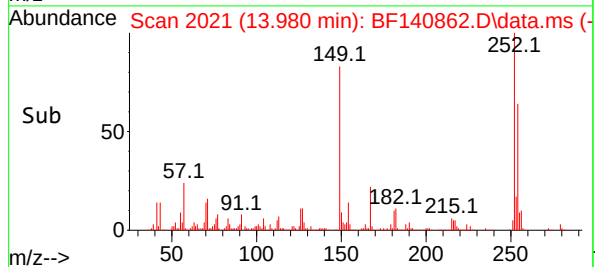
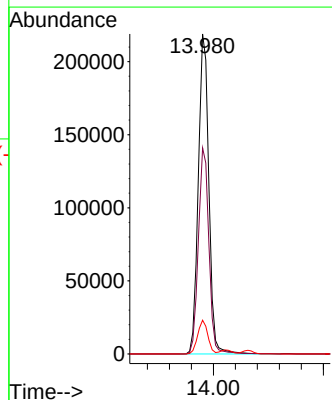
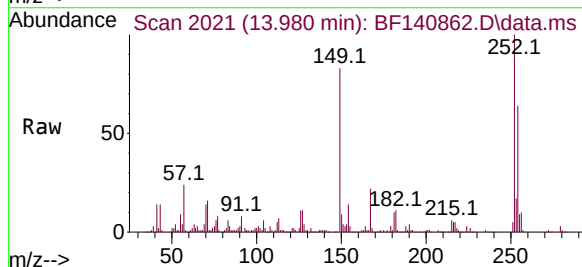
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

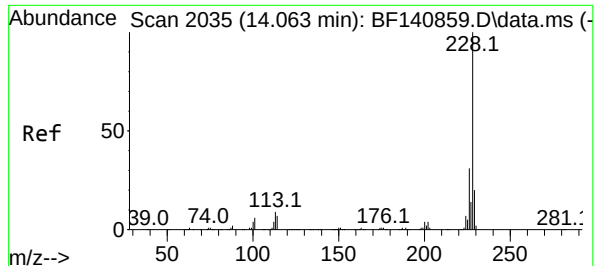
Tgt Ion:228 Resp: 1001035
Ion Ratio Lower Upper
228 100
226 27.2 21.8 32.8
229 19.7 15.8 23.8



#82
3,3'-Dichlorobenzidine
Concen: 74.661 ng
RT: 13.980 min Scan# 2021
Delta R.T. -0.000 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:252 Resp: 291736
Ion Ratio Lower Upper
252 100
254 64.4 52.3 78.5
126 10.6 8.4 12.6

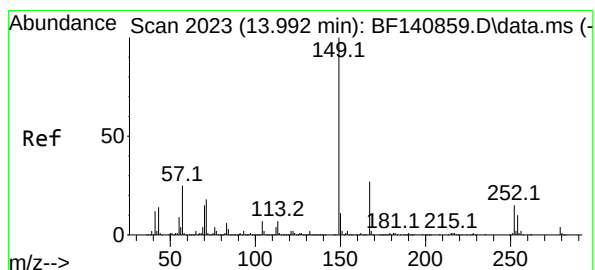
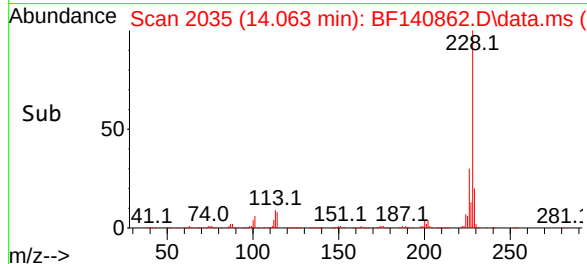
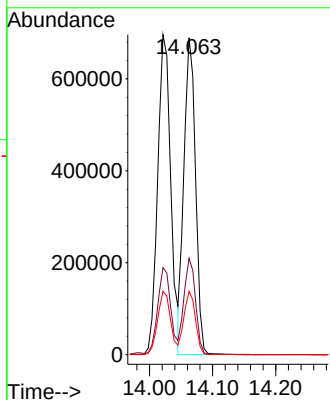
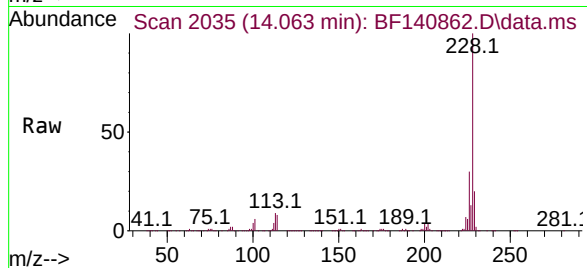




#83
Chrysene
Concen: 74.840 ng
RT: 14.063 min Scan# 2035
Delta R.T. -0.000 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

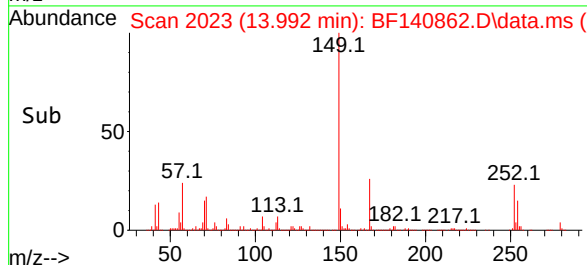
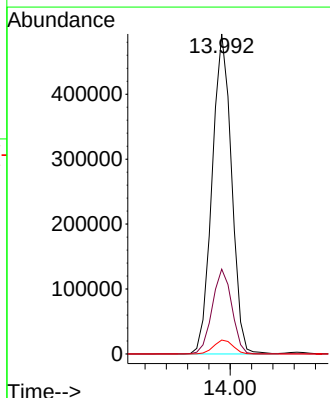
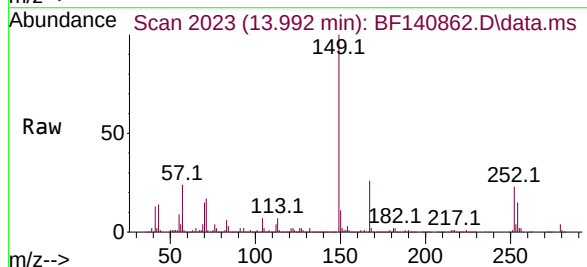
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

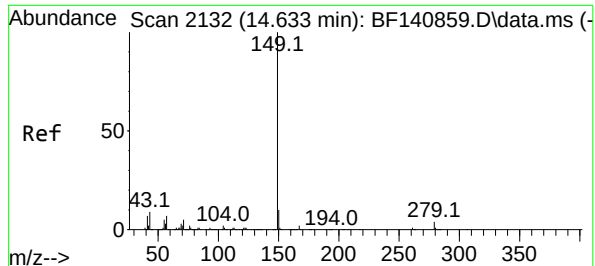
Tgt Ion:228 Resp: 881398
Ion Ratio Lower Upper
228 100
226 30.4 24.1 36.1
229 20.0 16.0 24.0



#84
Bis(2-ethylhexyl)phthalate
Concen: 81.032 ng
RT: 13.992 min Scan# 2023
Delta R.T. -0.000 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:149 Resp: 624744
Ion Ratio Lower Upper
149 100
167 26.5 21.8 32.8
279 4.3 3.5 5.3

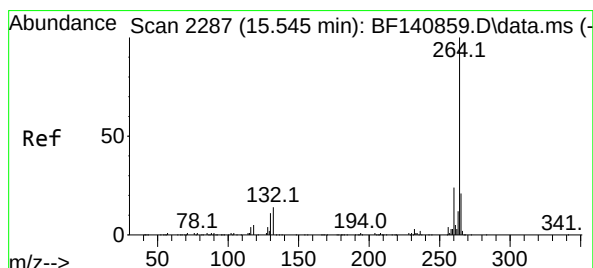
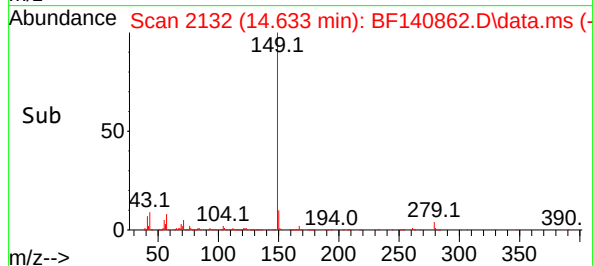
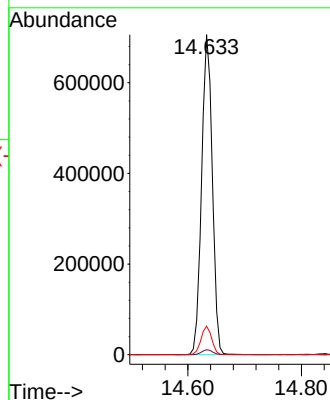
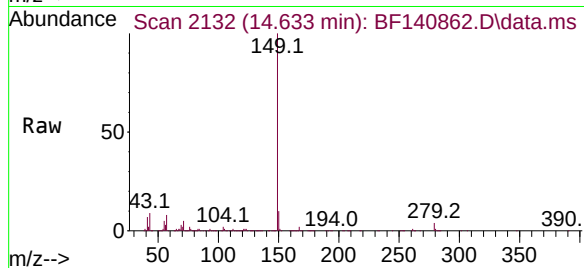




#85
Di-n-octyl phthalate
Concen: 79.125 ng
RT: 14.633 min Scan# 2132
Delta R.T. -0.000 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

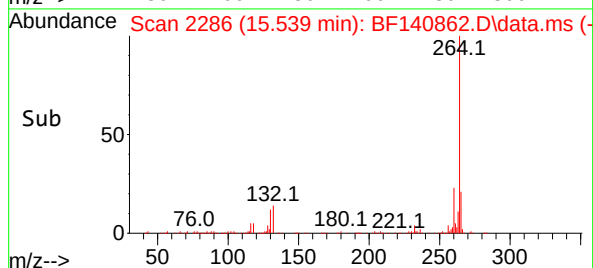
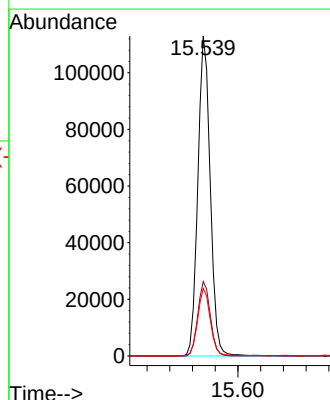
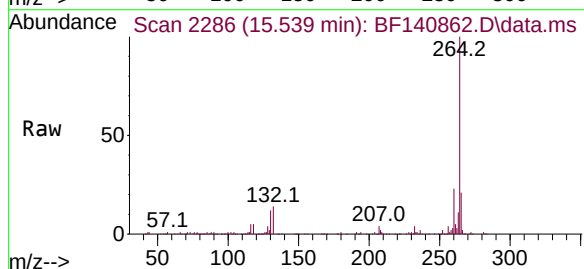
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

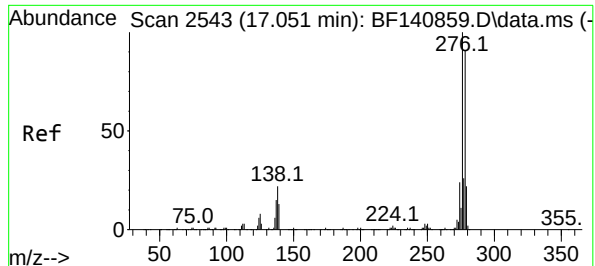
Tgt Ion:149 Resp: 922920
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 9.0 7.0 10.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2286
Delta R.T. -0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:264 Resp: 171569
Ion Ratio Lower Upper
264 100
260 23.3 19.1 28.7
265 21.1 17.0 25.4

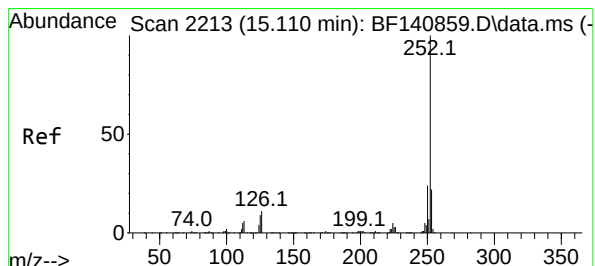
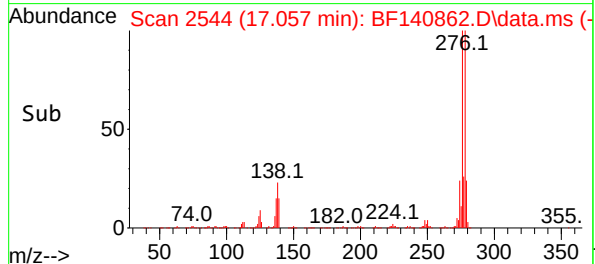
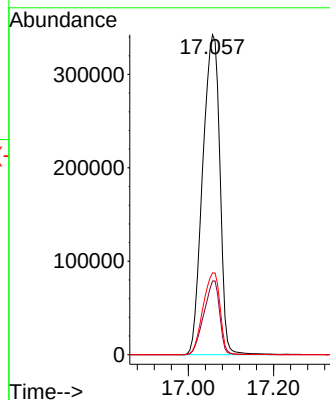
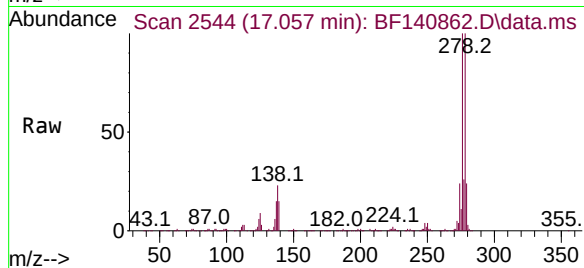




#87
Indeno(1,2,3-cd)pyrene
Concen: 89.400 ng
RT: 17.057 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

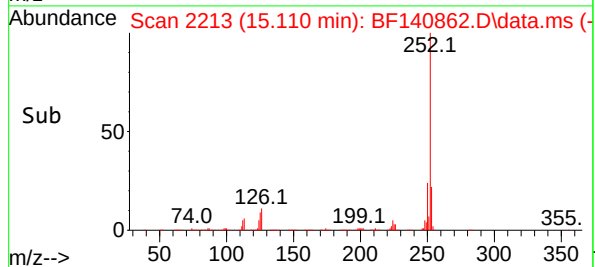
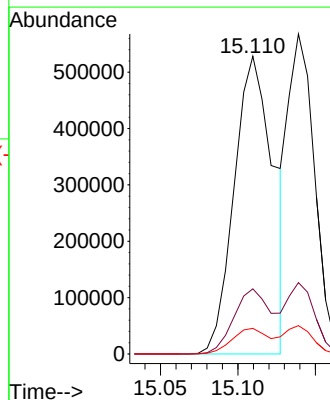
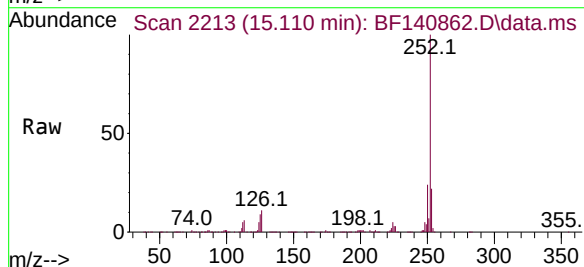
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

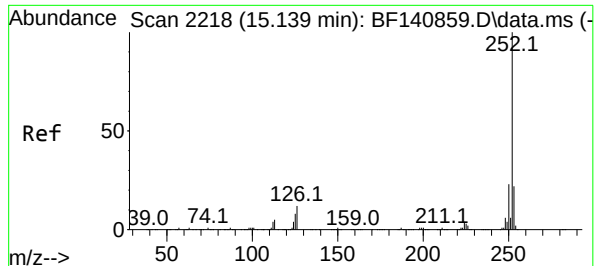
Tgt Ion:276 Resp: 957167
Ion Ratio Lower Upper
276 100
138 21.2 16.9 25.3
277 25.2 20.2 30.4



#88
Benzo(b)fluoranthene
Concen: 77.753 ng
RT: 15.110 min Scan# 2213
Delta R.T. -0.000 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:252 Resp: 925999
Ion Ratio Lower Upper
252 100
253 21.9 17.8 26.6
125 8.6 7.0 10.4





#89

Benzo(k)fluoranthene

Concen: 66.881 ng

RT: 15.139 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF140862.D

Acq: 16 Dec 2024 16:15

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

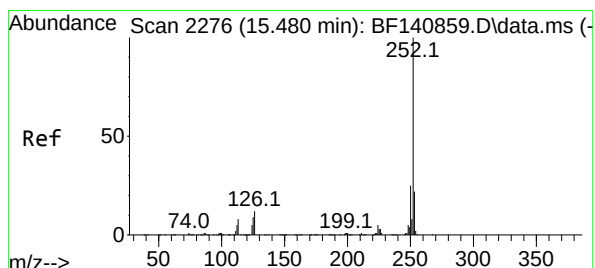
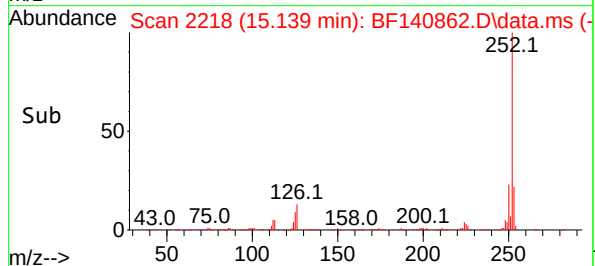
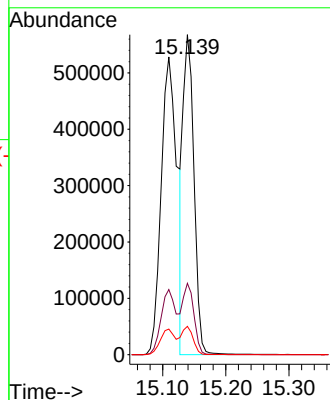
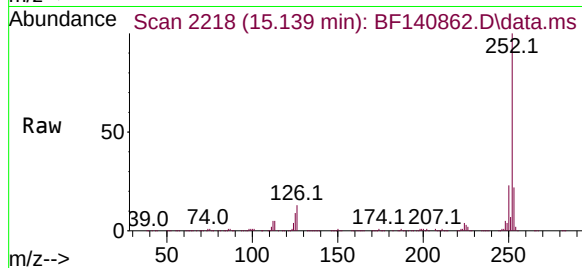
Tgt Ion:252 Resp: 683254

Ion Ratio Lower Upper

252 100

253 22.3 17.5 26.3

125 8.9 6.8 10.2



#90

Benzo(a)pyrene

Concen: 76.662 ng

RT: 15.480 min Scan# 2276

Delta R.T. -0.000 min

Lab File: BF140862.D

Acq: 16 Dec 2024 16:15

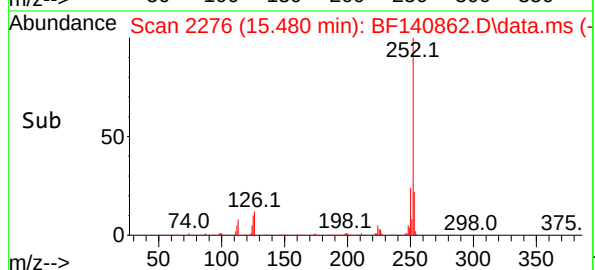
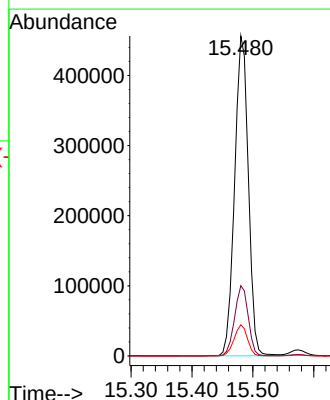
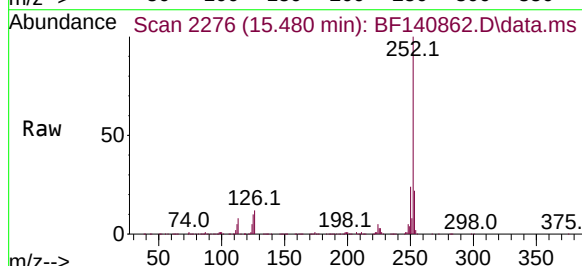
Tgt Ion:252 Resp: 714906

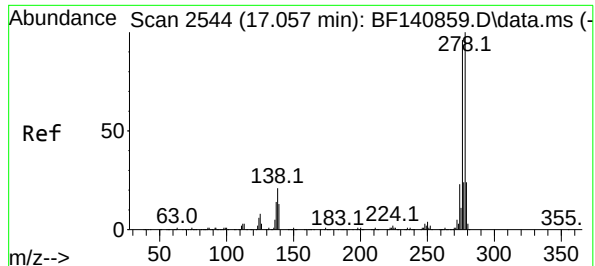
Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

125 9.8 7.5 11.3

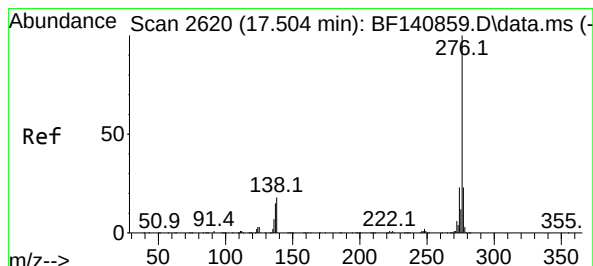
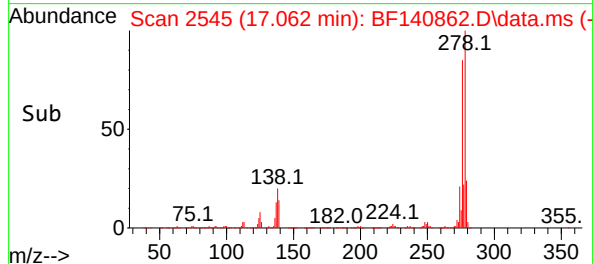
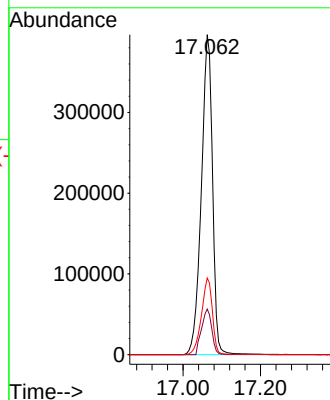
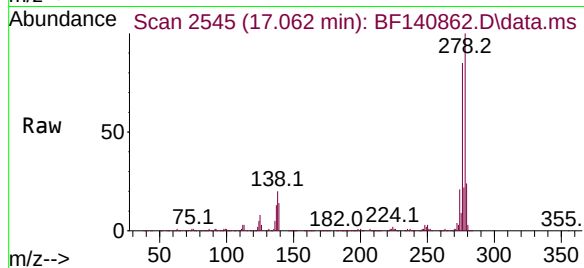




#91
Dibenzo(a,h)anthracene
Concen: 89.311 ng
RT: 17.062 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

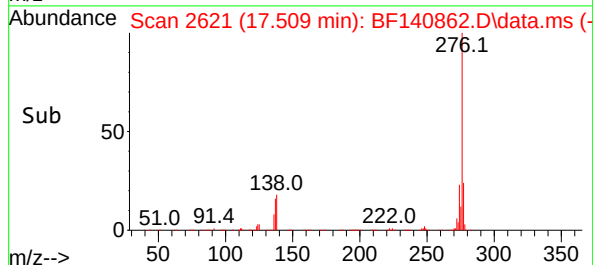
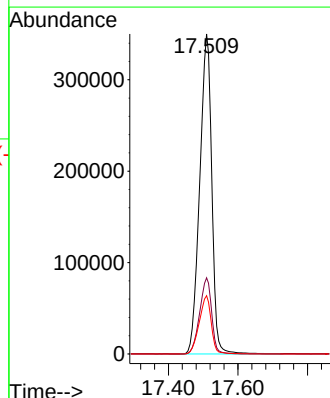
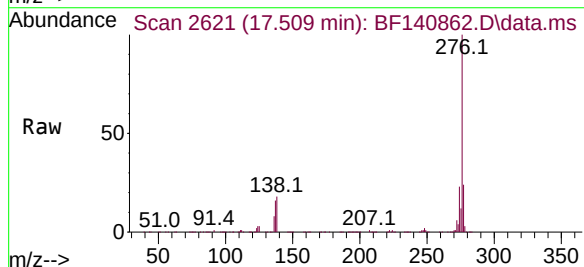
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:278 Resp: 792175
Ion Ratio Lower Upper
278 100
139 14.3 10.6 16.0
279 24.0 19.2 28.8



#92
Benzo(g,h,i)perylene
Concen: 93.101 ng
RT: 17.509 min Scan# 2621
Delta R.T. 0.006 min
Lab File: BF140862.D
Acq: 16 Dec 2024 16:15

Tgt Ion:276 Resp: 840468
Ion Ratio Lower Upper
276 100
277 23.8 18.7 28.1
138 18.2 14.2 21.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
 Data File : BF140863.D
 Acq On : 16 Dec 2024 16:41
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF121624

Quant Time: Dec 16 17:02:30 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 16 16:59:50 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	88035	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	361248	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	202013	20.000	ng	0.00
64) Phenanthrene-d10	11.375	188	381984	20.000	ng	0.00
76) Chrysene-d12	14.021	240	236413	20.000	ng	-0.01
86) Perylene-d12	15.504	264	217277	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	407420	76.184	ng	0.00
7) Phenol-d6	6.498	99	539951	76.229	ng	0.00
23) Nitrobenzene-d5	7.416	82	544482	75.408	ng	0.00
42) 2,4,6-Tribromophenol	10.681	330	161969	67.791	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	1108356	75.432	ng	0.00
79) Terphenyl-d14	12.957	244	1126061	75.108	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.605	88	74540	32.360	ng	99
3) Pyridine	3.387	79	186082	34.882	ng	99
4) n-Nitrosodimethylamine	3.340	42	91392	33.984	ng	99
6) Aniline	6.516	93	240098	39.644	ng	96
8) 2-Chlorophenol	6.640	128	226045	38.761	ng	95
9) Benzaldehyde	6.404	77	158915	40.491	ng	99
10) Phenol	6.510	94	283984	38.683	ng	100
11) bis(2-Chloroethyl)ether	6.587	93	216280	39.504	ng	100
12) 1,3-Dichlorobenzene	6.787	146	259904	39.111	ng	99
13) 1,4-Dichlorobenzene	6.863	146	268094	39.745	ng	98
14) 1,2-Dichlorobenzene	7.022	146	251561	39.527	ng	98
15) Benzyl Alcohol	6.998	79	201477	39.782	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.122	45	264233	40.970	ng	97
17) 2-Methylphenol	7.116	107	187119	40.189	ng	99
18) Hexachloroethane	7.357	117	99360	39.568	ng	100
19) n-Nitroso-di-n-propyla...	7.263	70	169362	39.861	ng	100
20) 3+4-Methylphenols	7.269	107	246929	39.995	ng	98
22) Acetophenone	7.263	105	330166	36.536	ng	99
24) Nitrobenzene	7.434	77	279878	37.836	ng	99
25) Isophorone	7.675	82	462528	38.231	ng	100
26) 2-Nitrophenol	7.751	139	137663	40.407	ng	99
27) 2,4-Dimethylphenol	7.787	122	161001	40.466	ng	100
28) bis(2-Chloroethoxy)met...	7.875	93	304778	40.334	ng	98
29) 2,4-Dichlorophenol	7.998	162	217841	39.658	ng	100
30) 1,2,4-Trichlorobenzene	8.069	180	241375	38.332	ng	100
31) Naphthalene	8.151	128	763453	38.473	ng	99
32) Benzoic acid	7.939	122	159806	42.351	ng	99
33) 4-Chloroaniline	8.204	127	248138	37.650	ng	99
34) Hexachlorobutadiene	8.263	225	154475	36.462	ng	98
35) Caprolactam	8.587	113	59056	36.113	ng	99
36) 4-Chloro-3-methylphenol	8.698	107	219338	35.477	ng	100
37) 2-Methylnaphthalene	8.839	142	490114	37.337	ng	99
38) 1-Methylnaphthalene	8.939	142	479930	36.969	ng	100
40) 1,2,4,5-Tetrachloroben...	9.010	216	240096	38.668	ng	100
41) Hexachlorocyclopentadiene	8.986	237	53352	37.672	ng	98
43) 2,4,6-Trichlorophenol	9.128	196	149871	39.419	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
 Data File : BF140863.D
 Acq On : 16 Dec 2024 16:41
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF121624

Quant Time: Dec 16 17:02:30 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 16 16:59:50 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.181	196	166716	39.895	ng	98
46) 1,1'-Biphenyl	9.304	154	617038	38.412	ng	99
47) 2-Chloronaphthalene	9.334	162	448814	36.522	ng	99
48) 2-Nitroaniline	9.434	65	140999	37.990	ng	99
49) Acenaphthylene	9.745	152	679962	37.651	ng	100
50) Dimethylphthalate	9.604	163	522757	36.704	ng	100
51) 2,6-Dinitrotoluene	9.675	165	122408	37.595	ng	97
52) Acenaphthene	9.916	154	441540	38.275	ng	99
53) 3-Nitroaniline	9.851	138	128348	39.722	ng	98
54) 2,4-Dinitrophenol	9.969	184	50562	35.766	ng	96
55) Dibenzofuran	10.092	168	663435	37.113	ng	100
56) 4-Nitrophenol	10.033	139	63289	38.834	ng	95
57) 2,4-Dinitrotoluene	10.086	165	163115	38.076	ng	99
58) Fluorene	10.433	166	551110	37.370	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.216	232	144396	42.405	ng	98
60) Diethylphthalate	10.304	149	560121	37.926	ng	100
61) 4-Chlorophenyl-phenyle...	10.422	204	277040	37.398	ng	98
62) 4-Nitroaniline	10.469	138	131388	38.912	ng	98
63) Azobenzene	10.581	77	536731	38.657	ng	99
65) 4,6-Dinitro-2-methylph...	10.498	198	90125	41.637	ng	97
66) n-Nitrosodiphenylamine	10.545	169	466366	39.710	ng	99
67) 4-Bromophenyl-phenylether	10.910	248	155245	36.329	ng	99
68) Hexachlorobenzene	10.980	284	179906	37.132	ng	96
69) Atrazine	11.069	200	120830	36.838	ng	98
70) Pentachlorophenol	11.186	266	68516	38.679	ng	97
71) Phenanthrene	11.398	178	747974	38.078	ng	99
72) Anthracene	11.451	178	729685	37.720	ng	99
73) Carbazole	11.610	167	613711	32.390	ng	99
74) Di-n-butylphthalate	11.927	149	751217	33.782	ng	100
75) Fluoranthene	12.592	202	772859	34.163	ng	99
77) Benzidine	12.716	184	176802	36.642	ng	99
78) Pyrene	12.822	202	792874	37.714	ng	99
80) Butylbenzylphthalate	13.427	149	307036	39.692	ng	99
81) Benzo(a)anthracene	14.010	228	679017	40.525	ng	100
82) 3,3'-Dichlorobenzidine	13.969	252	194418	38.459	ng	100
83) Chrysene	14.051	228	574336	37.695	ng	99
84) Bis(2-ethylhexyl)phtha...	13.980	149	408768	40.982	ng	99
85) Di-n-octyl phthalate	14.598	149	617289	40.907	ng	100
87) Indeno(1,2,3-cd)pyrene	17.004	276	539135	39.762	ng	99
88) Benzo(b)fluoranthene	15.074	252	609480	40.410	ng	100
89) Benzo(k)fluoranthene	15.098	252	525272	40.601	ng	99
90) Benzo(a)pyrene	15.439	252	470896	39.873	ng	99
91) Dibenzo(a,h)anthracene	17.009	278	451973	40.237	ng	98
92) Benzo(g,h,i)perylene	17.457	276	418030	36.565	ng	100

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

Instrument :
BNA_F
ClientSampleId :
ICVBF121624

TIC: BF140863.D\data.ms

Abundance

Time-->

1,4-Dioxane

n-Propylamine

2-Fluorophenol, S

Phenol, d6, S

2-Chlorophenol

1,4-Dichlorobenzene, d4, 3,4-Dichlorobenzene

Hexachlorobenzene

Nitrobenzene

2-Nitrophenol

2,4-Dinitrophenol

2,6-Dinitrophenol

3,4,5-Trinitrophenol

4-Chloro-3-methylphenol, C

2-Methylphenol

1-Methylphenol

2-Chloronaphthalene

1,1'-Biphenyl

Acenaphthylene

Acenaphthene, C

Benzo(a)pyrene

4-Fluorophenyl-phenylether

4-Fluorophenyl-phenylether

Anthracene

Carbazole

Di-n-butylphthalate

Fluoranthene, C

Pyrene

Butylbenzylphthalate

2,2-Diethylhexahydro-1,4-benzodioxane

Di-n-octyl phthalate, C

Benzo(a)fluoranthene

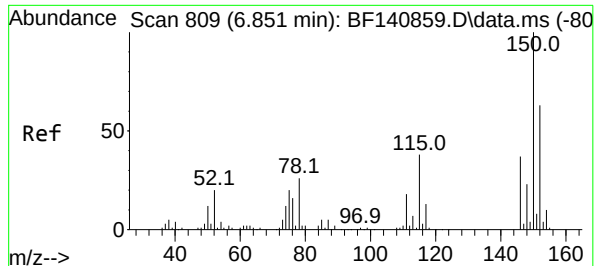
Benzo(a)pyrene, C

Perylene-d12, T

Indeno(1,2,3-cd)pyrene

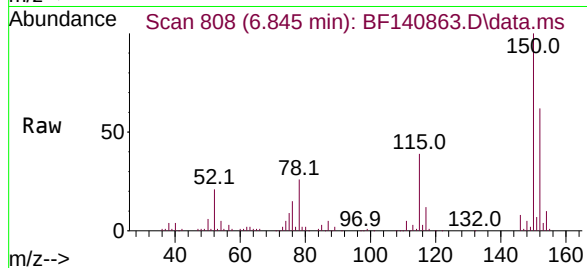
Benzo(g,h,i)perylene

Terphenyl-d14, S

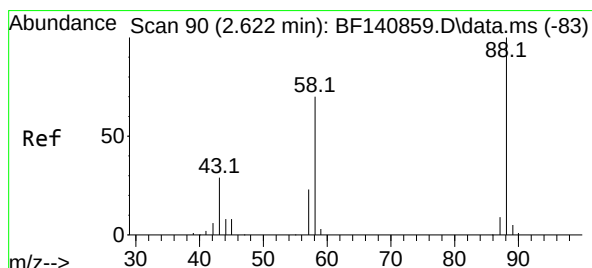
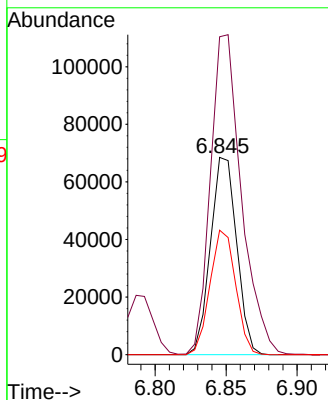
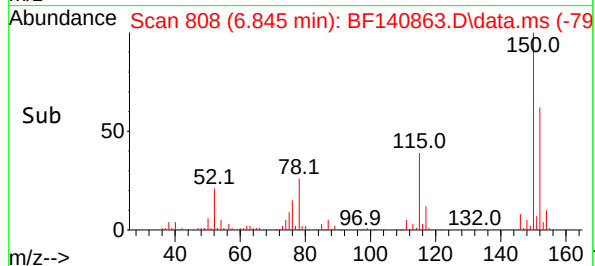


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

Instrument :
BNA_F
ClientSampleId :
ICVBF121624

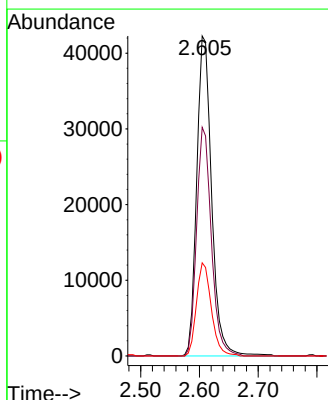
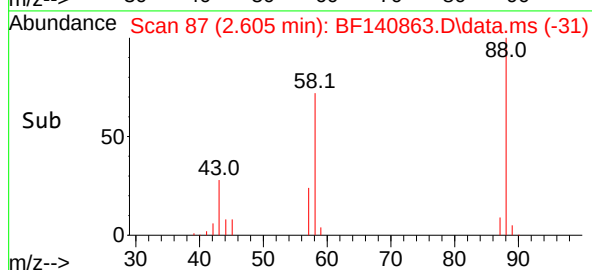
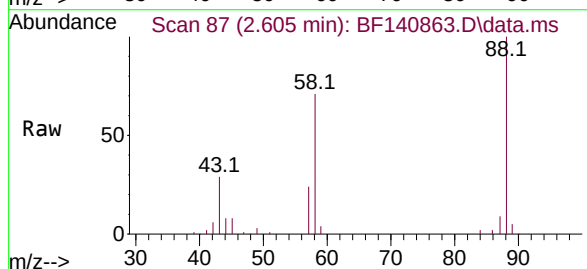


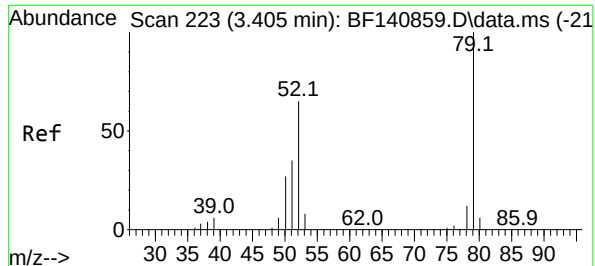
Tgt Ion:152 Resp: 88035
Ion Ratio Lower Upper
152 100
150 161.2 127.9 191.9
115 63.1 48.0 72.0



#2
1,4-Dioxane
Concen: 32.360 ng
RT: 2.605 min Scan# 87
Delta R.T. -0.018 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

Tgt Ion: 88 Resp: 74540
Ion Ratio Lower Upper
88 100
58 70.6 55.8 83.8
43 29.0 22.7 34.1

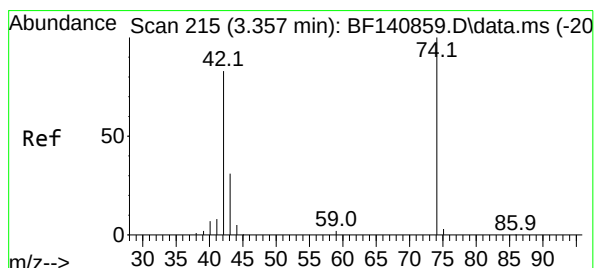
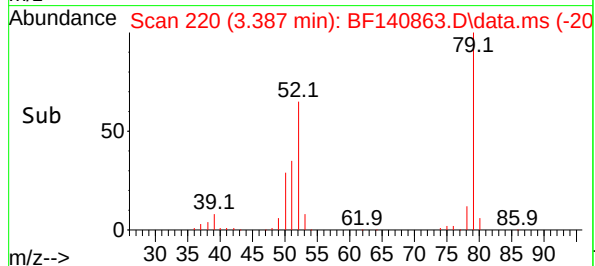
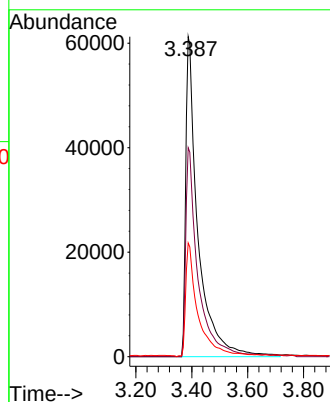
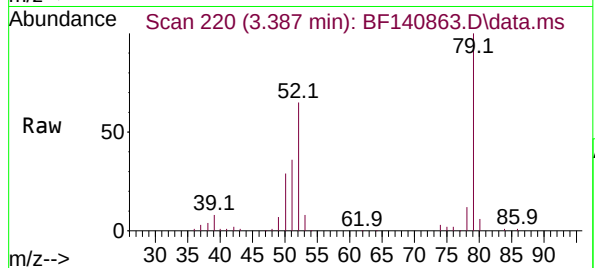




#3
Pyridine
Concen: 34.882 ng
RT: 3.387 min Scan# 211
Delta R.T. -0.018 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

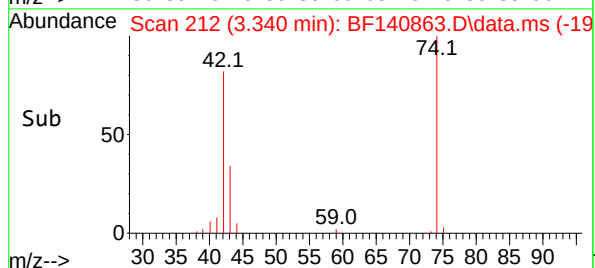
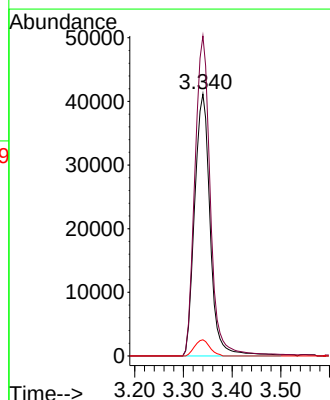
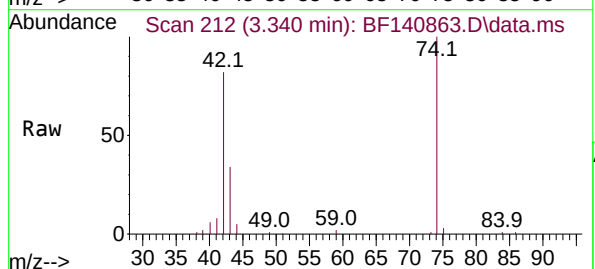
Instrument :
BNA_F
ClientSampleId :
ICVBF121624

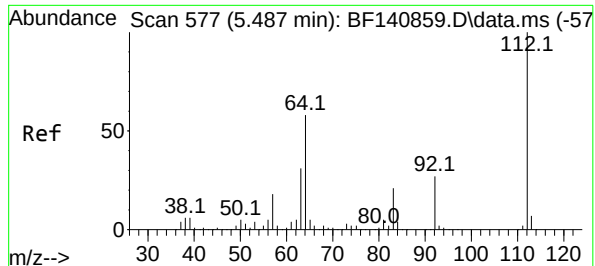
Tgt Ion: 79 Resp: 186082
Ion Ratio Lower Upper
79 100
52 65.3 51.7 77.5
51 35.5 28.2 42.4



#4
n-Nitrosodimethylamine
Concen: 33.984 ng
RT: 3.340 min Scan# 212
Delta R.T. -0.018 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

Tgt Ion: 42 Resp: 91392
Ion Ratio Lower Upper
42 100
74 122.2 96.9 145.3
44 6.2 4.4 6.6

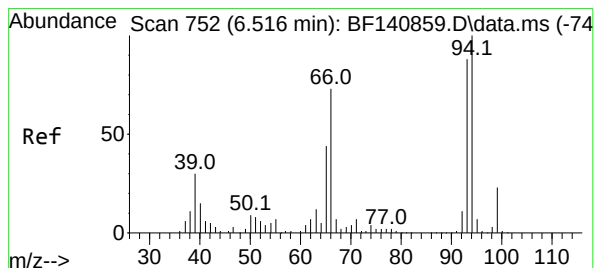
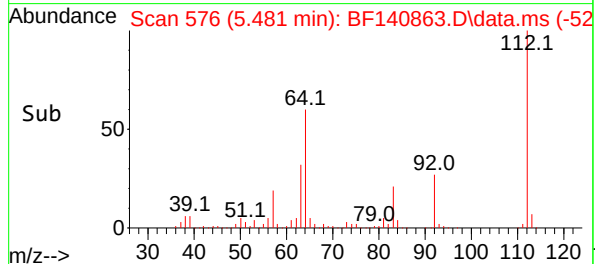
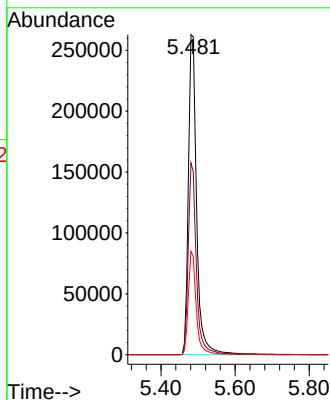
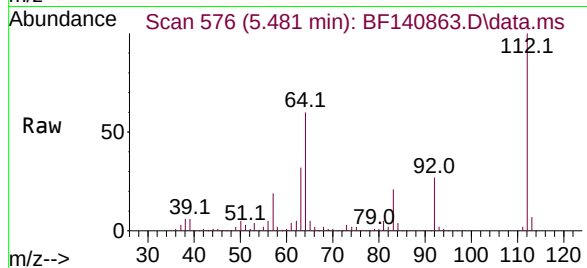




#5
2-Fluorophenol
Concen: 76.184 ng
RT: 5.481 min Scan# 51
Delta R.T. -0.006 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

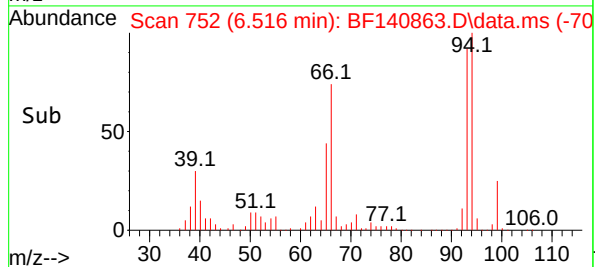
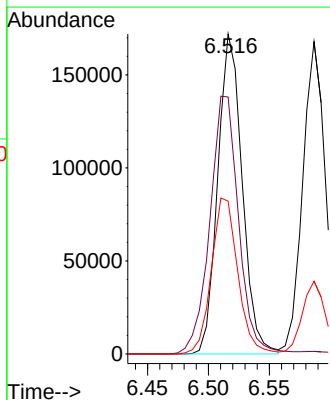
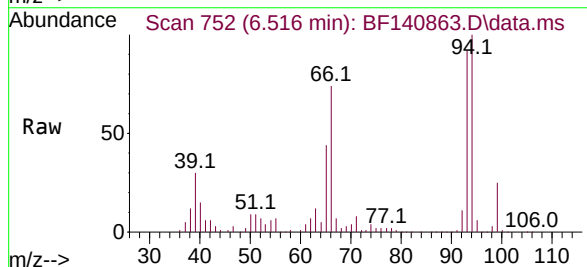
Instrument :
BNA_F
ClientSampleId :
ICVBF121624

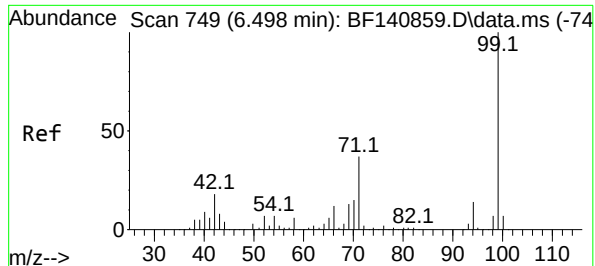
Tgt Ion:112 Resp: 407420
Ion Ratio Lower Upper
112 100
64 59.9 46.1 69.1
63 32.2 24.9 37.3



#6
Aniline
Concen: 39.644 ng
RT: 6.516 min Scan# 752
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

Tgt Ion: 93 Resp: 240098
Ion Ratio Lower Upper
93 100
66 80.3 67.0 100.4
65 47.8 40.4 60.6





#7

Phenol-d6

Concen: 76.229 ng

RT: 6.498 min Scan# 749

Delta R.T. -0.000 min

Lab File: BF140863.D

Acq: 16 Dec 2024 16:41

Instrument :

BNA_F

ClientSampleId :

ICVBF121624

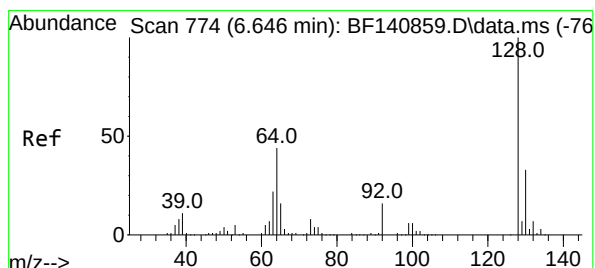
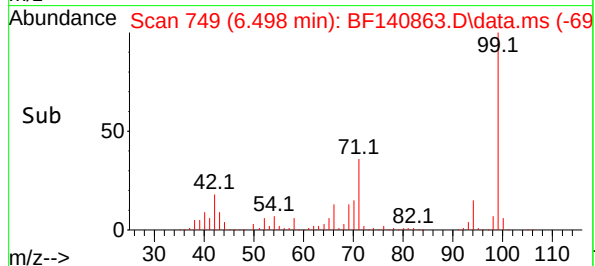
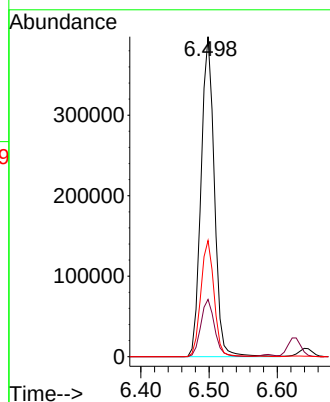
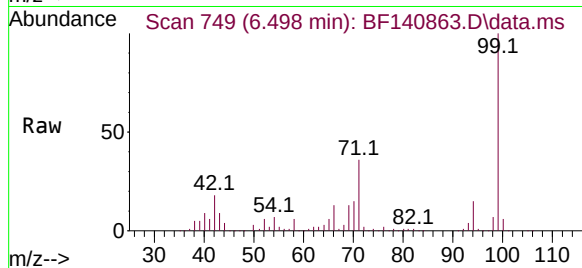
Tgt Ion: 99 Resp: 539951

Ion Ratio Lower Upper

99 100

42 17.9 14.3 21.5

71 36.3 29.9 44.9



#8

2-Chlorophenol

Concen: 38.761 ng

RT: 6.640 min Scan# 773

Delta R.T. -0.006 min

Lab File: BF140863.D

Acq: 16 Dec 2024 16:41

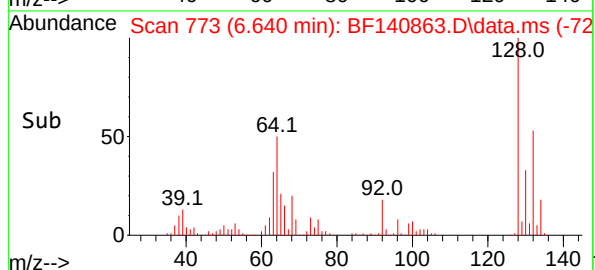
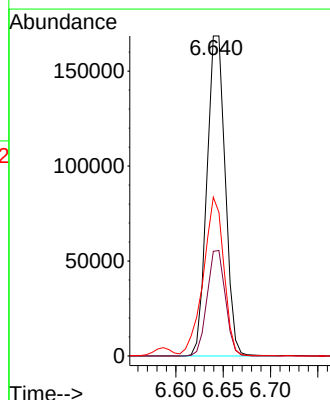
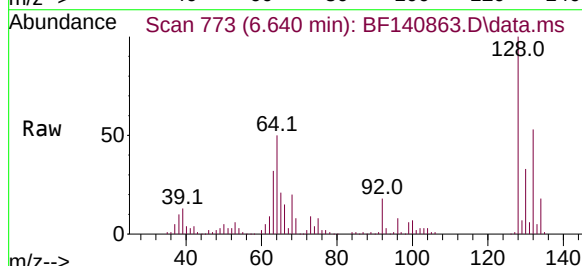
Tgt Ion:128 Resp: 226045

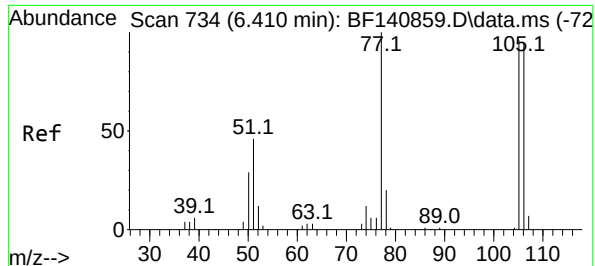
Ion Ratio Lower Upper

128 100

130 32.7 12.9 52.9

64 49.6 24.3 64.3





#9

Benzaldehyde

Concen: 40.491 ng

RT: 6.404 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF140863.D

Acq: 16 Dec 2024 16:41

Instrument :

BNA_F

ClientSampleId :

ICVBF121624

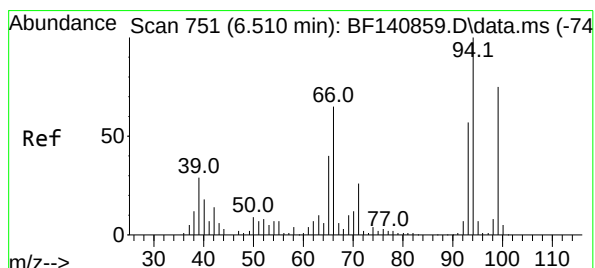
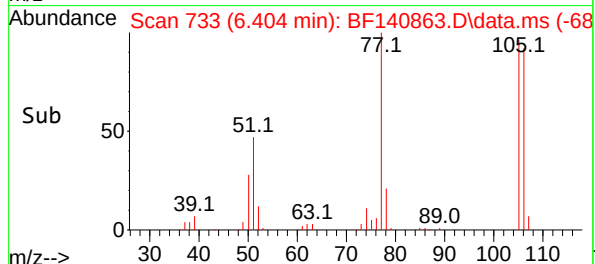
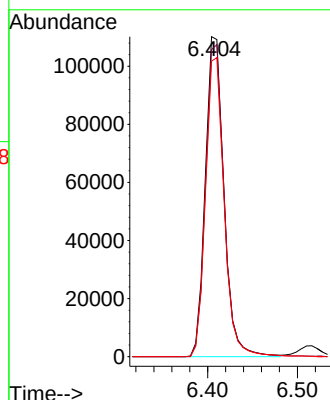
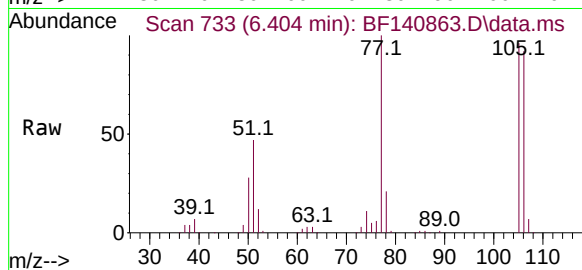
Tgt Ion: 77 Resp: 158915

Ion Ratio Lower Upper

77 100

105 96.0 75.8 115.8

106 92.4 74.1 114.1



#10

Phenol

Concen: 38.683 ng

RT: 6.510 min Scan# 751

Delta R.T. -0.000 min

Lab File: BF140863.D

Acq: 16 Dec 2024 16:41

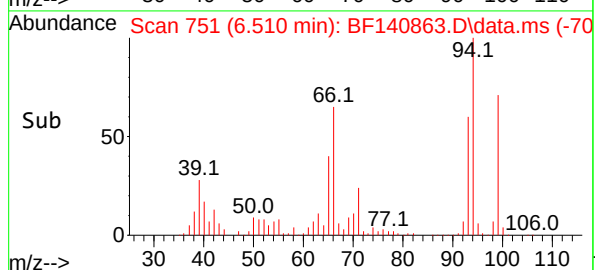
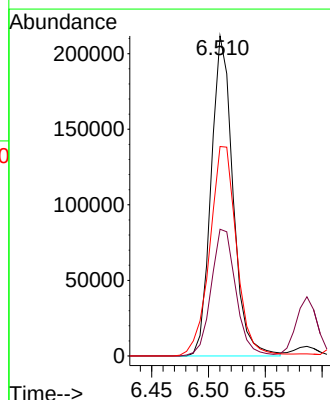
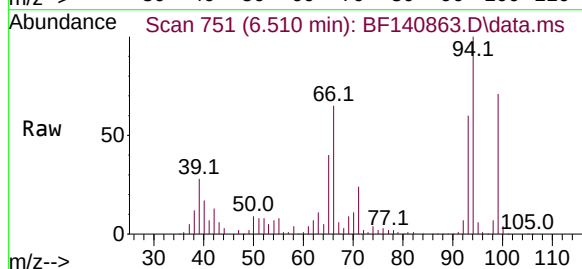
Tgt Ion: 94 Resp: 283984

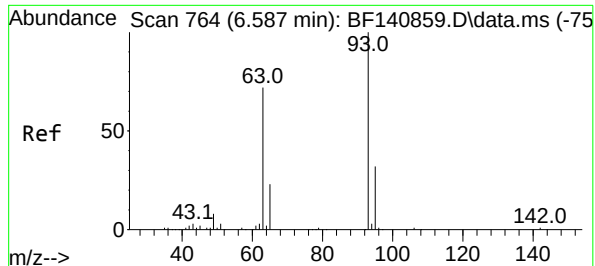
Ion Ratio Lower Upper

94 100

65 39.6 19.9 59.9

66 65.4 45.6 85.6





#11

bis(2-Chloroethyl)ether

Concen: 39.504 ng

RT: 6.587 min Scan# 764

Delta R.T. -0.000 min

Lab File: BF140863.D

Acq: 16 Dec 2024 16:41

Instrument :

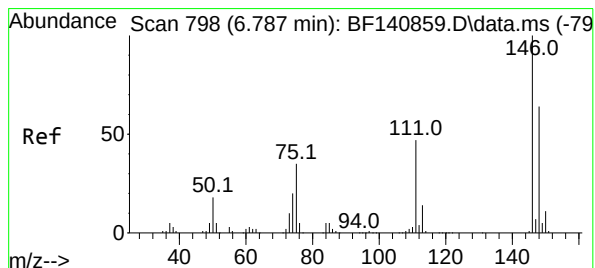
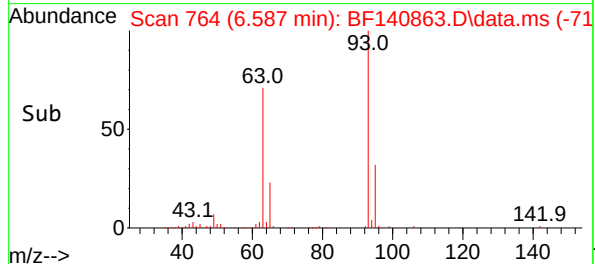
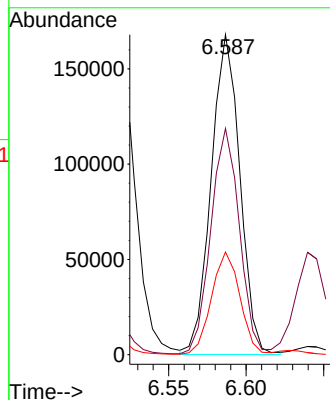
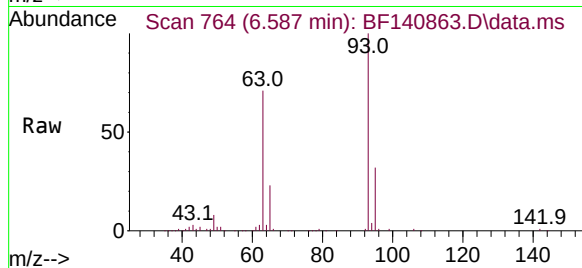
BNA_F

ClientSampleId :

ICVBF121624

Tgt Ion: 93 Resp: 216280

Ion	Ratio	Lower	Upper
93	100		
63	70.7	51.0	91.0
95	32.1	12.0	52.0



#12

1,3-Dichlorobenzene

Concen: 39.111 ng

RT: 6.787 min Scan# 798

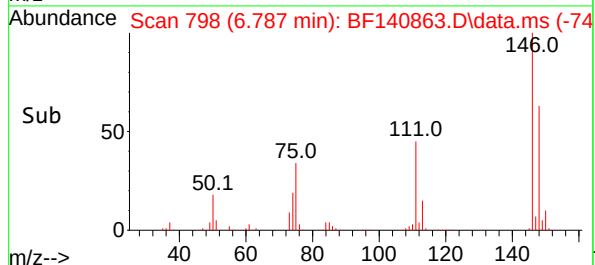
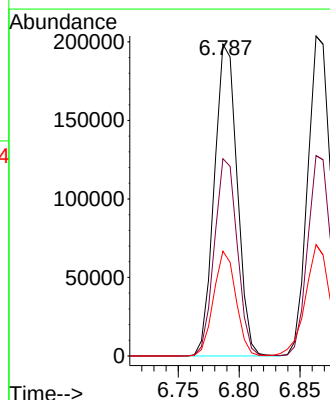
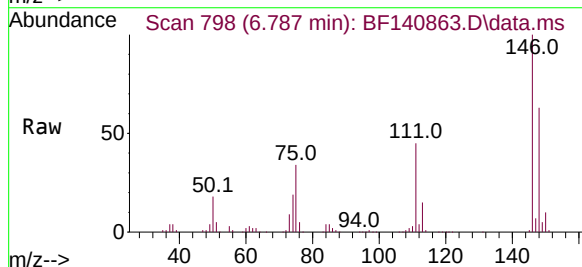
Delta R.T. -0.000 min

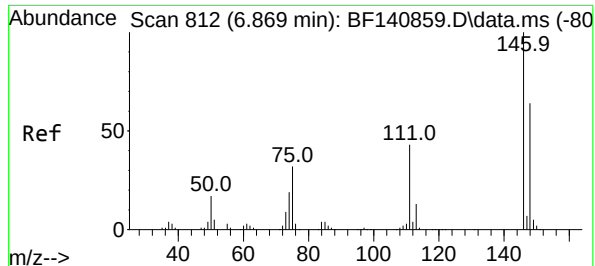
Lab File: BF140863.D

Acq: 16 Dec 2024 16:41

Tgt Ion: 146 Resp: 259904

Ion	Ratio	Lower	Upper
146	100		
148	63.2	51.0	76.6
75	33.6	28.1	42.1





#13

1,4-Dichlorobenzene

Concen: 39.745 ng

RT: 6.863 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF140863.D

Acq: 16 Dec 2024 16:41

Instrument :

BNA_F

ClientSampleId :

ICVBF121624

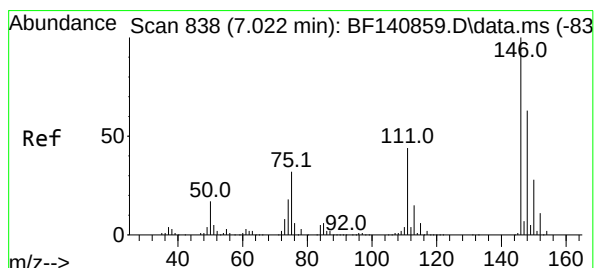
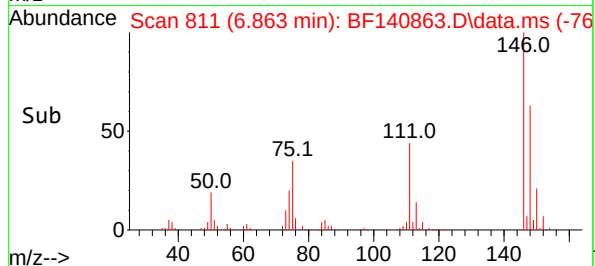
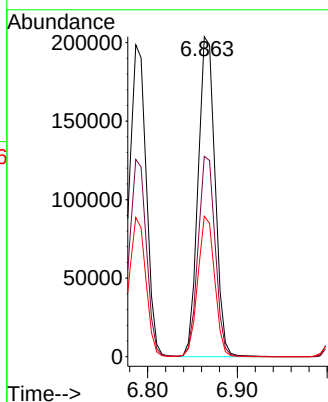
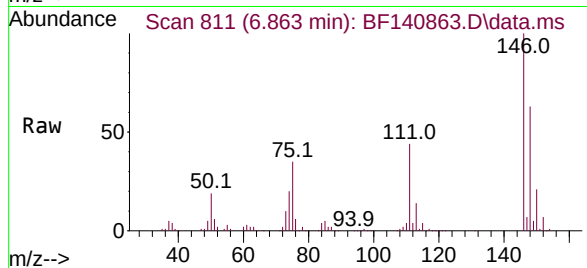
Tgt Ion:146 Resp: 268094

Ion Ratio Lower Upper

146 100

148 62.6 51.3 76.9

111 43.9 34.4 51.6



#14

1,2-Dichlorobenzene

Concen: 39.527 ng

RT: 7.022 min Scan# 838

Delta R.T. -0.000 min

Lab File: BF140863.D

Acq: 16 Dec 2024 16:41

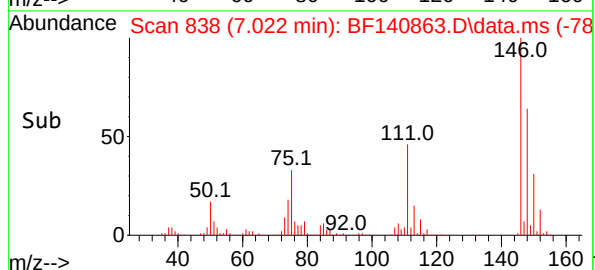
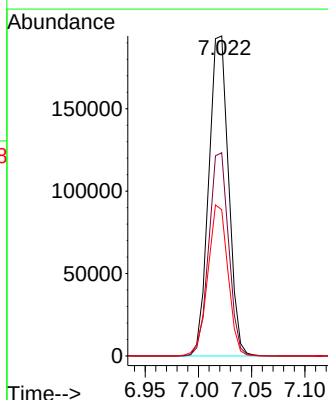
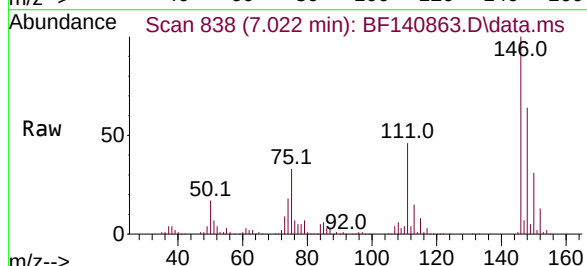
Tgt Ion:146 Resp: 251561

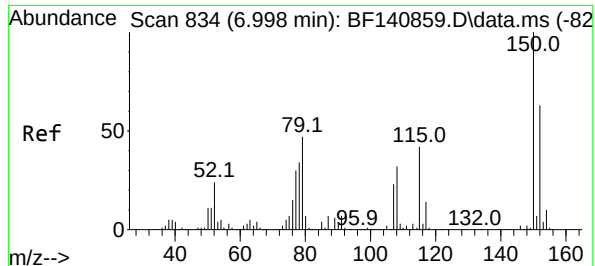
Ion Ratio Lower Upper

146 100

148 63.5 50.0 75.0

111 45.7 35.6 53.4





#15

Benzyl Alcohol

Concen: 39.782 ng

RT: 6.998 min Scan# 81

Delta R.T. -0.000 min

Lab File: BF140863.D

Acq: 16 Dec 2024 16:41

Instrument :

BNA_F

ClientSampleId :

ICVBF121624

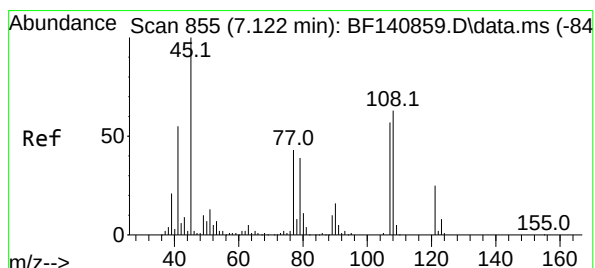
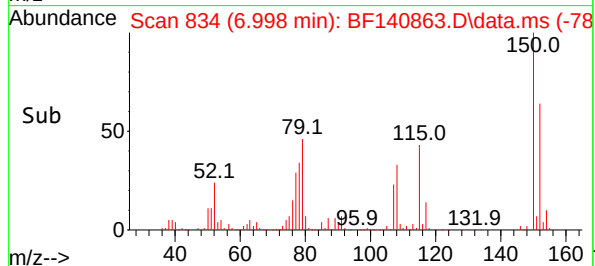
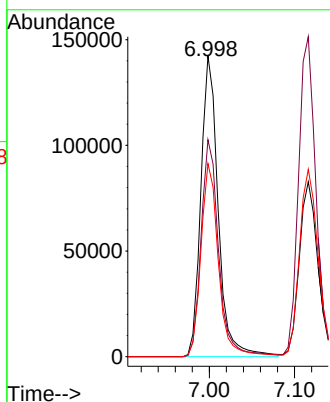
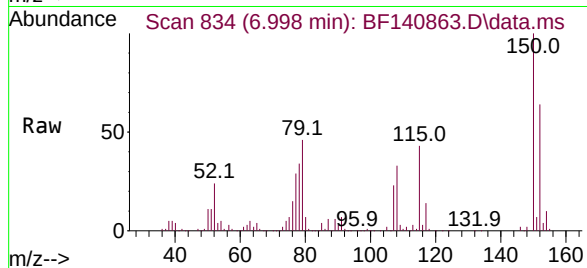
Tgt Ion: 79 Resp: 201477

Ion Ratio Lower Upper

79 100

108 72.1 55.1 82.7

77 64.2 50.6 76.0



#16

2,2'-oxybis(1-chloropropane)

Concen: 40.970 ng

RT: 7.122 min Scan# 855

Delta R.T. -0.000 min

Lab File: BF140863.D

Acq: 16 Dec 2024 16:41

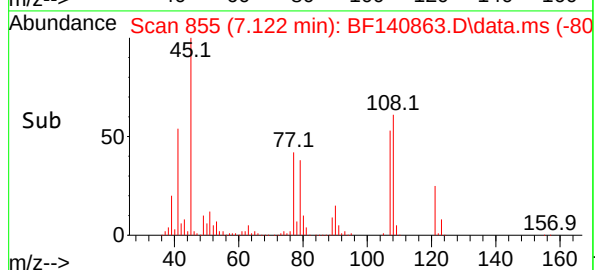
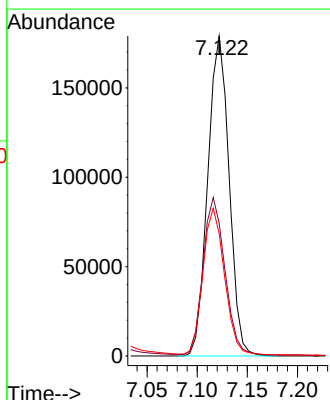
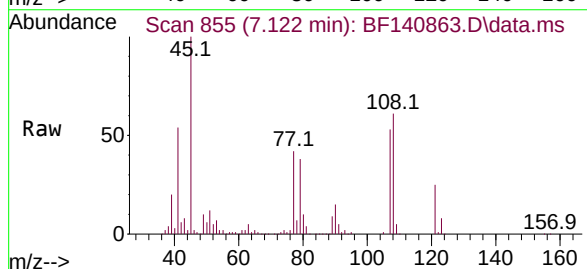
Tgt Ion: 45 Resp: 264233

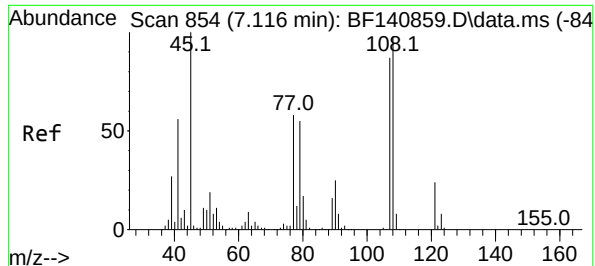
Ion Ratio Lower Upper

45 100

77 41.6 23.3 63.3

79 38.2 20.0 60.0

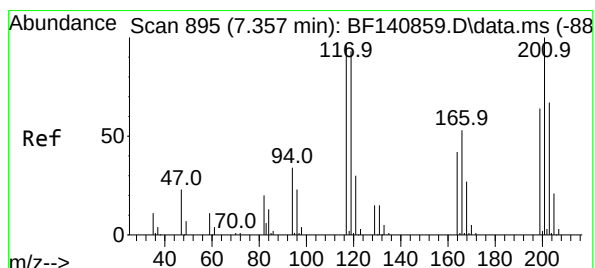
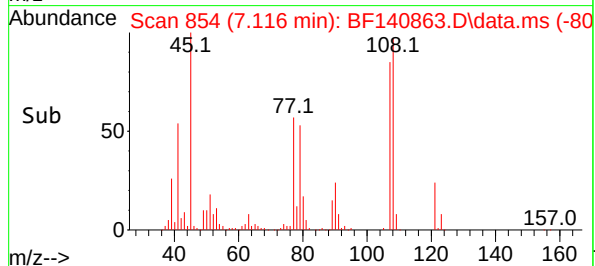
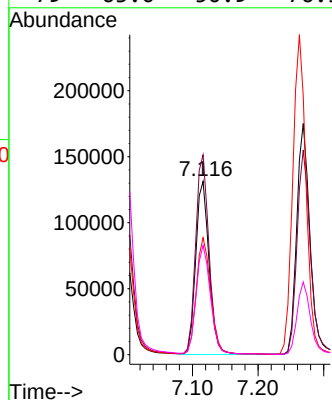
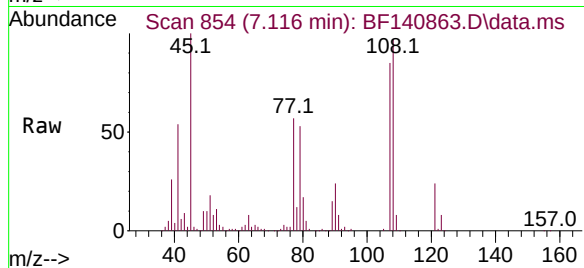




#17
2-Methylphenol
Concen: 40.189 ng
RT: 7.116 min Scan# 854
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

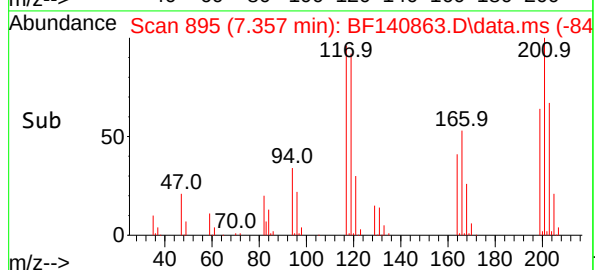
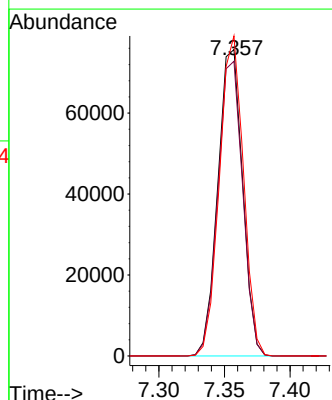
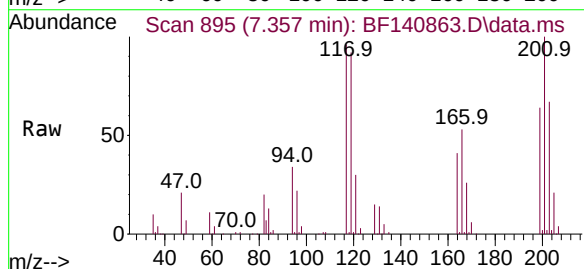
Instrument :
BNA_F
ClientSampleId :
ICVBF121624

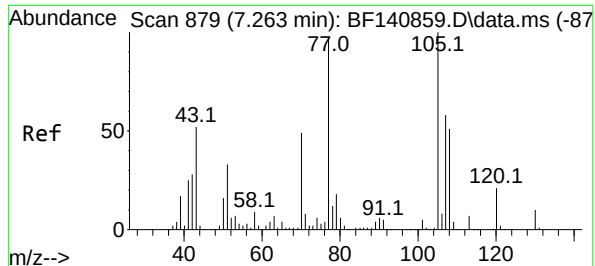
Tgt Ion:107 Resp: 187119
Ion Ratio Lower Upper
107 100
108 115.3 90.2 135.4
77 67.5 53.8 80.6
79 63.0 50.9 76.3



#18
Hexachloroethane
Concen: 39.568 ng
RT: 7.357 min Scan# 895
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

Tgt Ion:117 Resp: 99360
Ion Ratio Lower Upper
117 100
119 96.2 77.4 116.0
201 104.5 83.4 125.0





#19

n-Nitroso-di-n-propylamine

Concen: 39.861 ng

RT: 7.263 min Scan# 81

Delta R.T. -0.000 min

Lab File: BF140863.D

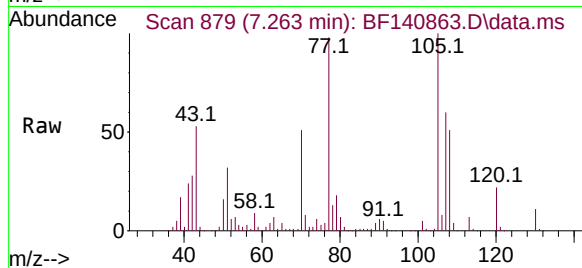
Acq: 16 Dec 2024 16:41

Instrument :

BNA_F

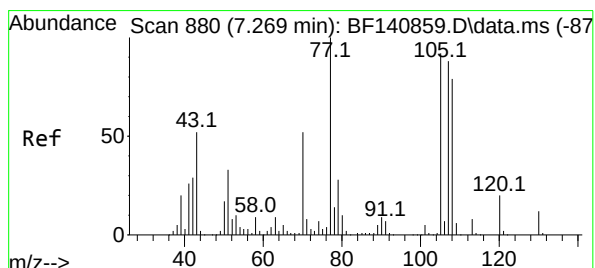
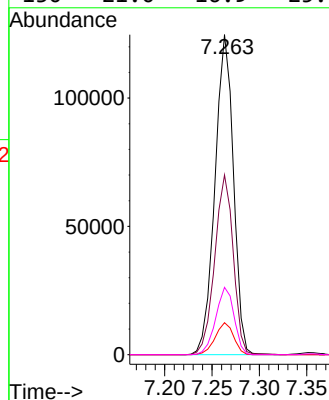
ClientSampleId :

ICVBF121624



Tgt Ion: 70 Resp: 169362

Ion	Ratio	Lower	Upper
70	100		
42	56.2	45.3	67.9
101	10.0	8.0	12.0
130	21.0	16.9	25.3



#20

3+4-Methylphenols

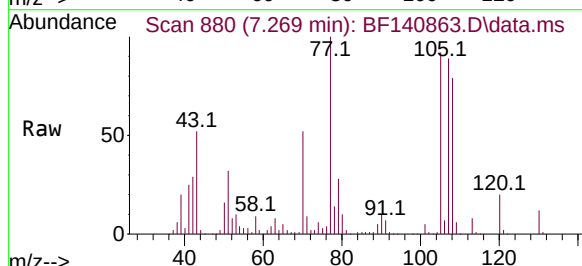
Concen: 39.995 ng

RT: 7.269 min Scan# 880

Delta R.T. -0.000 min

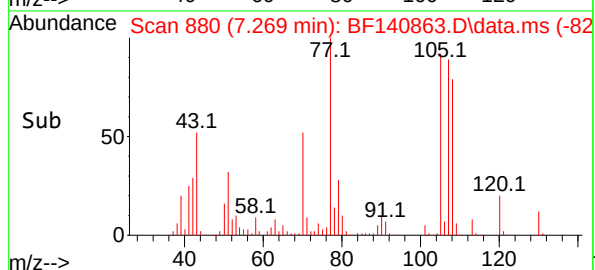
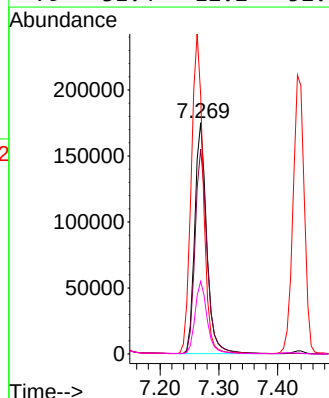
Lab File: BF140863.D

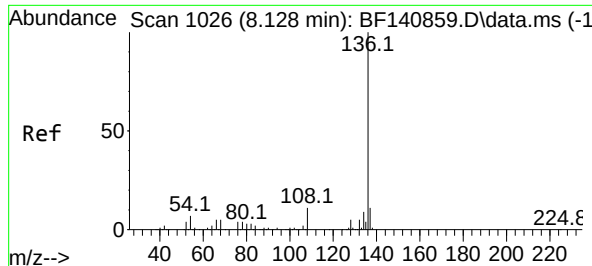
Acq: 16 Dec 2024 16:41



Tgt Ion: 107 Resp: 246929

Ion	Ratio	Lower	Upper
107	100		
108	88.6	70.1	110.1
77	111.9	94.4	134.4
79	31.4	12.2	52.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.128 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF140863.D

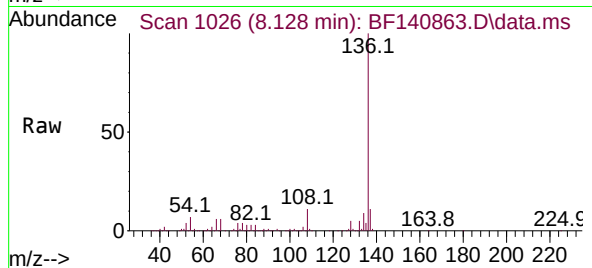
Acq: 16 Dec 2024 16:41

Instrument :

BNA_F

ClientSampleId :

ICVBF121624



Tgt Ion:136 Resp: 361248

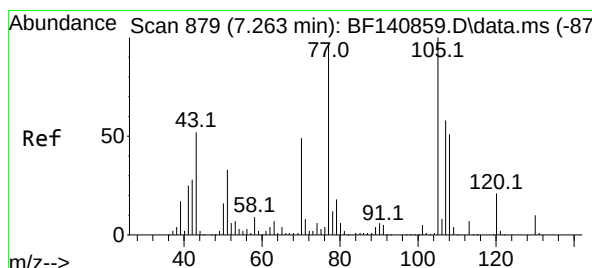
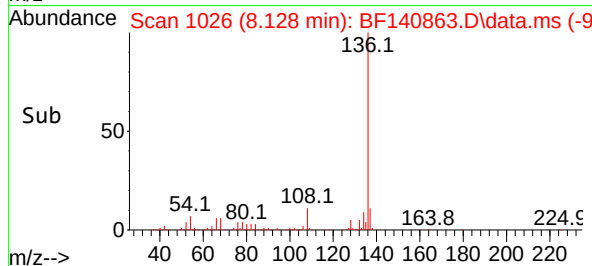
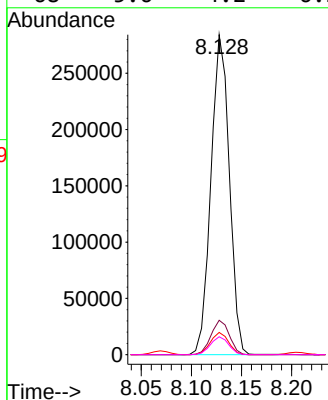
Ion Ratio Lower Upper

136 100

137 10.7 9.0 13.4

54 7.0 5.6 8.4

68 5.6 4.2 6.2



#22

Acetophenone

Concen: 36.536 ng

RT: 7.263 min Scan# 879

Delta R.T. -0.000 min

Lab File: BF140863.D

Acq: 16 Dec 2024 16:41

Tgt Ion:105 Resp: 330166

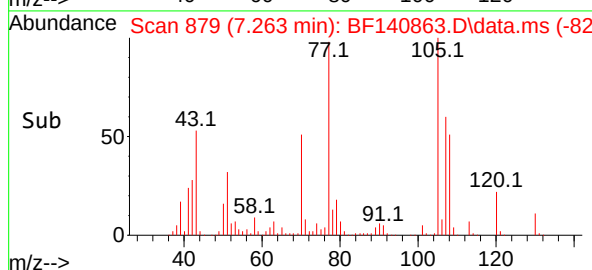
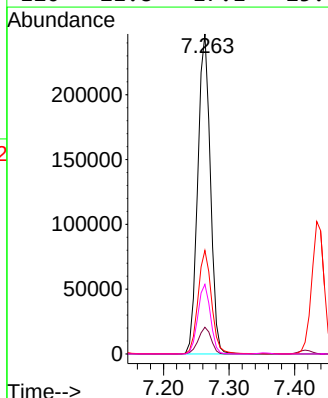
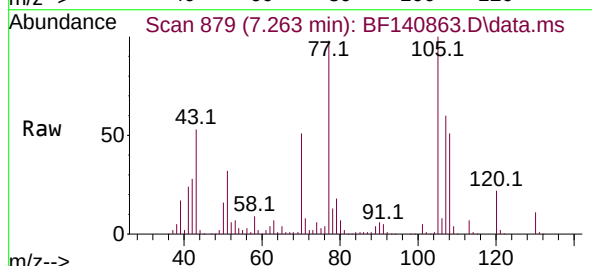
Ion Ratio Lower Upper

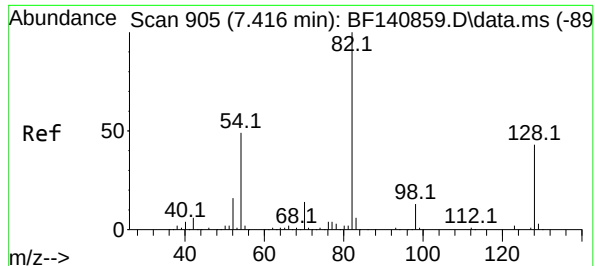
105 100

71 8.4 6.2 9.4

51 32.3 26.3 39.5

120 21.8 17.1 25.7





#23

Nitrobenzene-d5

Concen: 75.408 ng

RT: 7.416 min Scan# 905

Delta R.T. -0.000 min

Lab File: BF140863.D

Acq: 16 Dec 2024 16:41

Instrument :

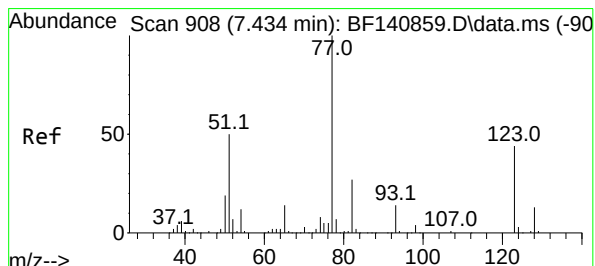
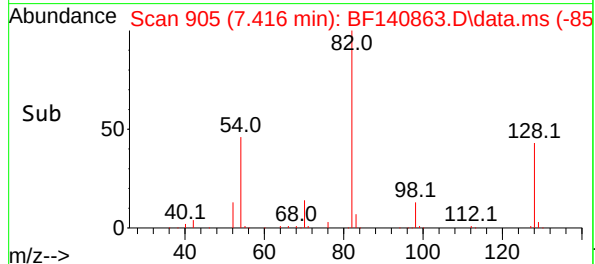
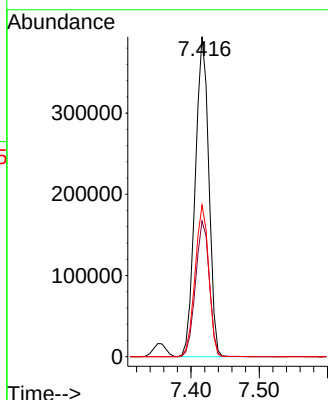
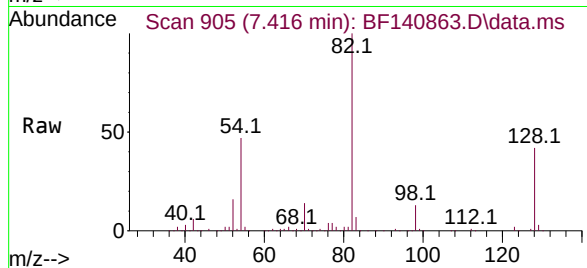
BNA_F

ClientSampleId :

ICVBF121624

Tgt Ion: 82 Resp: 544482

Ion	Ratio	Lower	Upper
82	100		
128	42.4	34.4	51.6
54	47.4	38.8	58.2



#24

Nitrobenzene

Concen: 37.836 ng

RT: 7.434 min Scan# 908

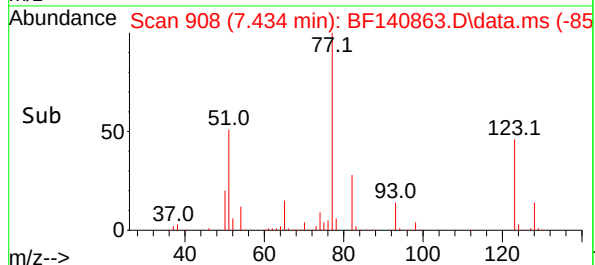
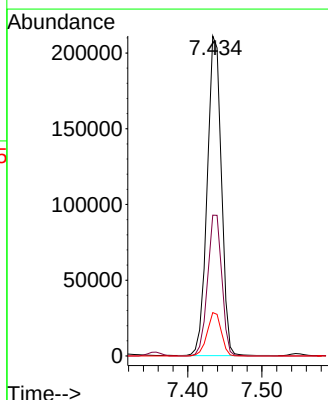
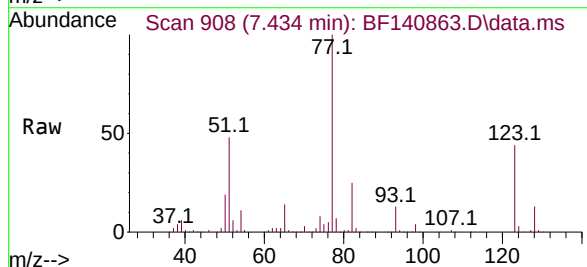
Delta R.T. -0.000 min

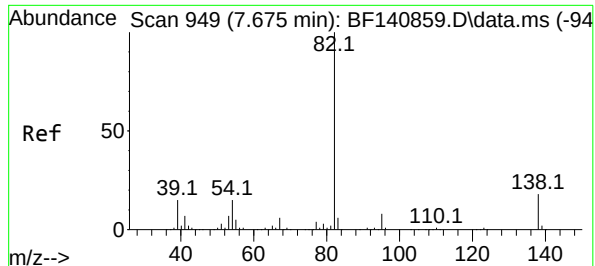
Lab File: BF140863.D

Acq: 16 Dec 2024 16:41

Tgt Ion: 77 Resp: 279878

Ion	Ratio	Lower	Upper
77	100		
123	44.0	35.0	52.4
65	13.6	11.4	17.0





#25

Isophorone

Concen: 38.231 ng

RT: 7.675 min Scan# 949

Delta R.T. -0.000 min

Lab File: BF140863.D

Acq: 16 Dec 2024 16:41

Instrument :

BNA_F

ClientSampleId :

ICVBF121624

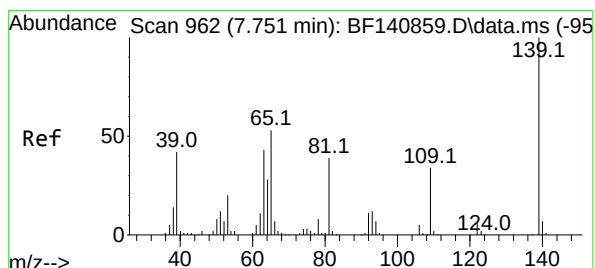
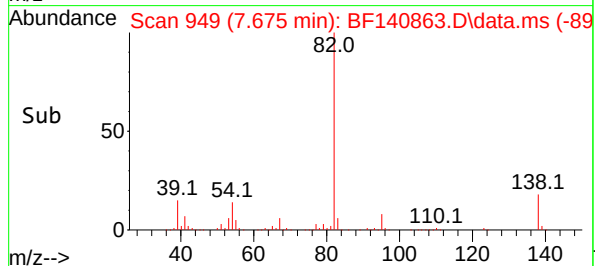
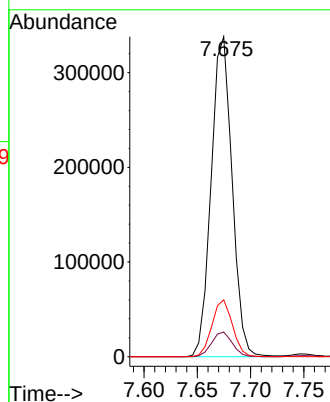
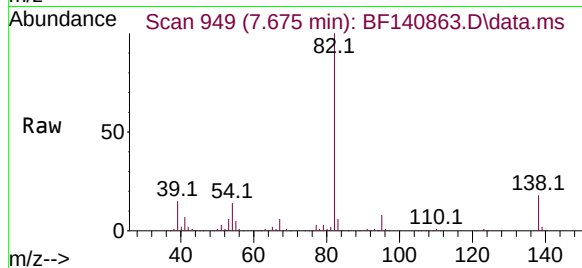
Tgt Ion: 82 Resp: 462528

Ion Ratio Lower Upper

82 100

95 7.7 6.3 9.5

138 17.8 14.1 21.1



#26

2-Nitrophenol

Concen: 40.407 ng

RT: 7.751 min Scan# 962

Delta R.T. -0.000 min

Lab File: BF140863.D

Acq: 16 Dec 2024 16:41

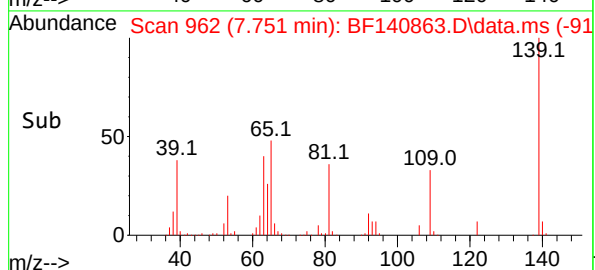
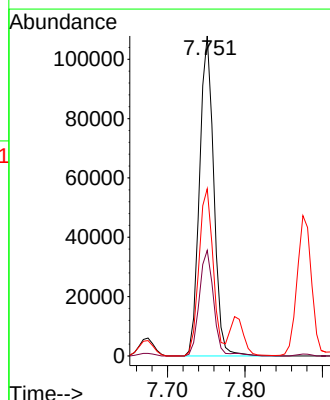
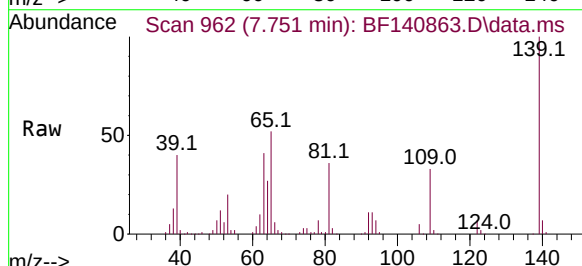
Tgt Ion:139 Resp: 137663

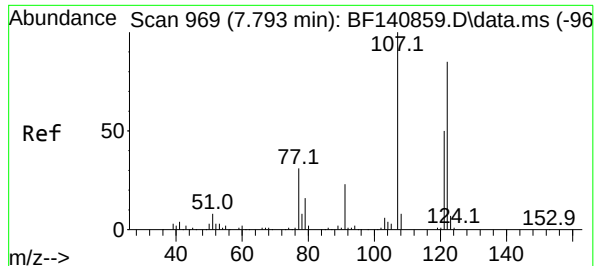
Ion Ratio Lower Upper

139 100

109 33.0 26.9 40.3

65 52.2 42.6 64.0





#27

2,4-Dimethylphenol

Concen: 40.466 ng

RT: 7.787 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF140863.D

Acq: 16 Dec 2024 16:41

Instrument :

BNA_F

ClientSampleId :

ICVBF121624

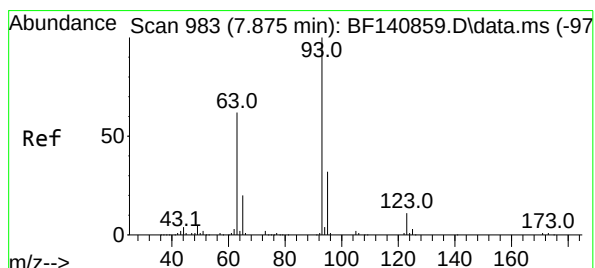
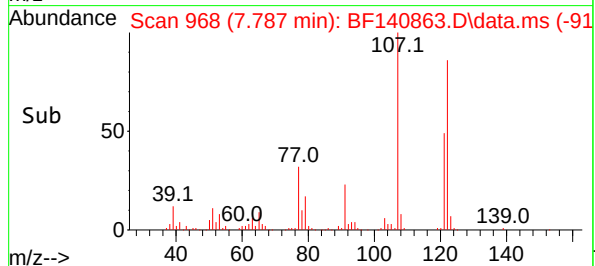
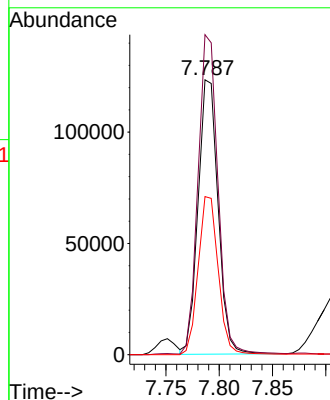
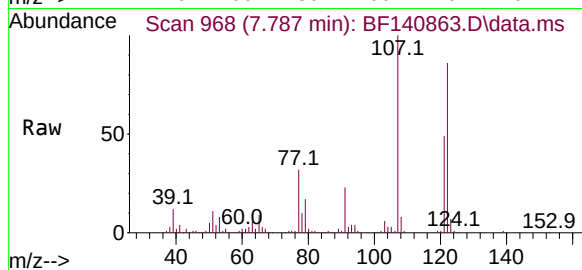
Tgt Ion:122 Resp: 161001

Ion Ratio Lower Upper

122 100

107 116.4 92.6 139.0

121 57.5 45.8 68.8



#28

bis(2-Chloroethoxy)methane

Concen: 40.334 ng

RT: 7.875 min Scan# 983

Delta R.T. -0.000 min

Lab File: BF140863.D

Acq: 16 Dec 2024 16:41

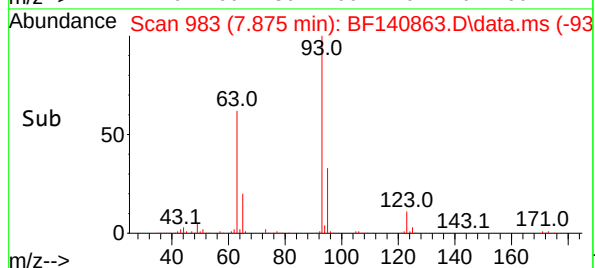
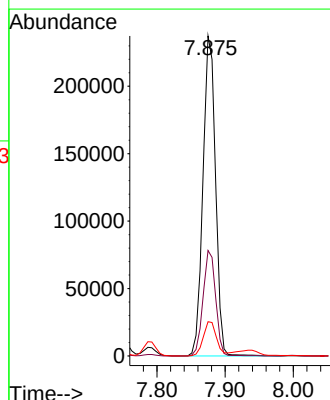
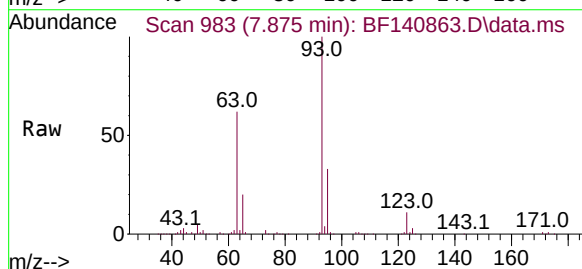
Tgt Ion: 93 Resp: 304778

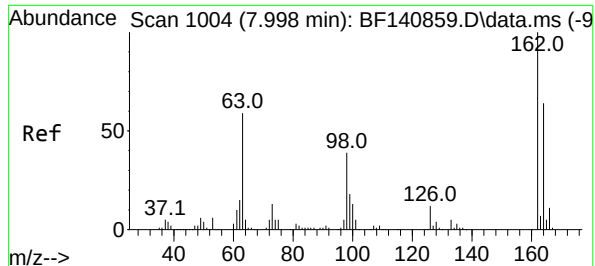
Ion Ratio Lower Upper

93 100

95 33.0 25.3 37.9

123 10.7 8.6 13.0





#29

2,4-Dichlorophenol

Concen: 39.658 ng

RT: 7.998 min Scan# 1004

Delta R.T. -0.000 min

Lab File: BF140863.D

Acq: 16 Dec 2024 16:41

Instrument :

BNA_F

ClientSampleId :

ICVBF121624

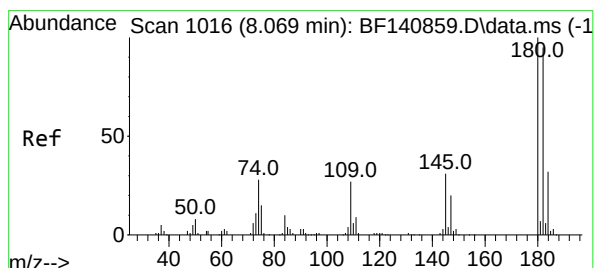
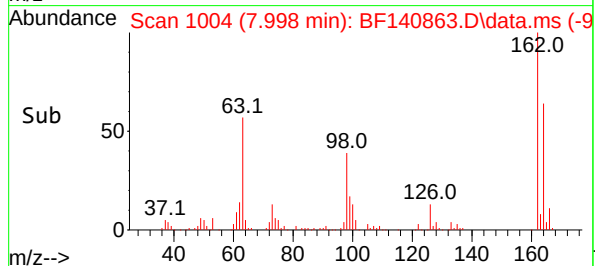
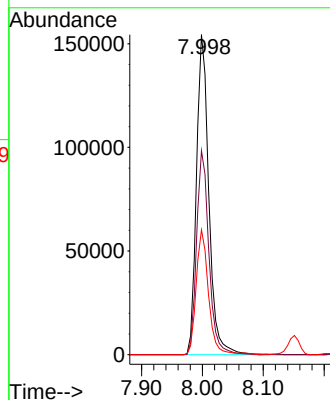
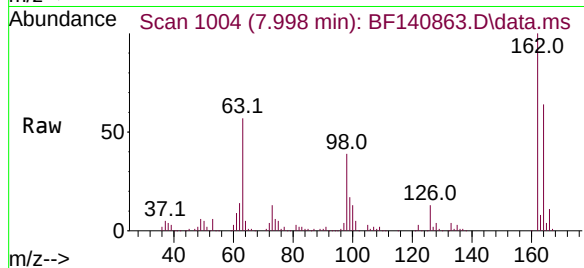
Tgt Ion:162 Resp: 217841

Ion Ratio Lower Upper

162 100

164 63.8 43.7 83.7

98 39.0 18.6 58.6



#30

1,2,4-Trichlorobenzene

Concen: 38.332 ng

RT: 8.069 min Scan# 1016

Delta R.T. -0.000 min

Lab File: BF140863.D

Acq: 16 Dec 2024 16:41

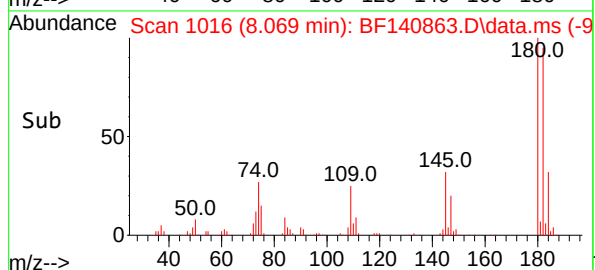
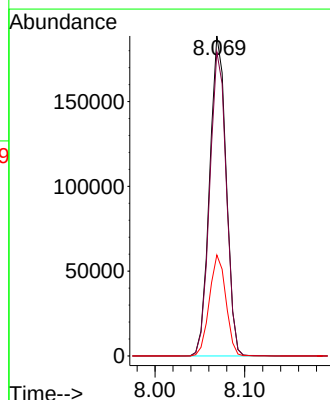
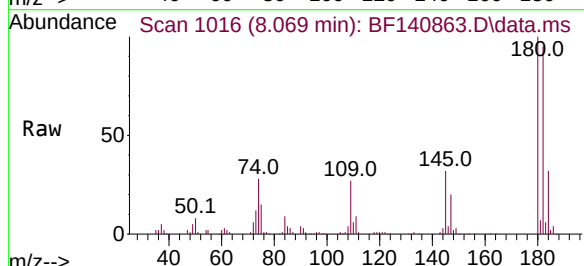
Tgt Ion:180 Resp: 241375

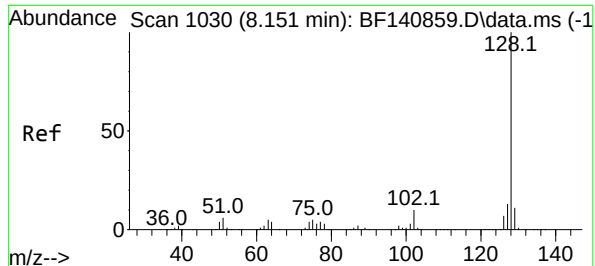
Ion Ratio Lower Upper

180 100

182 95.0 75.8 113.6

145 31.6 25.2 37.8





#31

Naphthalene

Concen: 38.473 ng

RT: 8.151 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF140863.D

Acq: 16 Dec 2024 16:41

Instrument :

BNA_F

ClientSampleId :

ICVBF121624

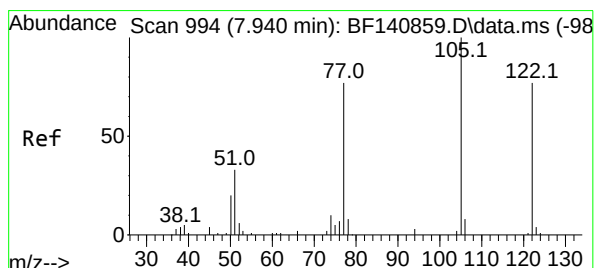
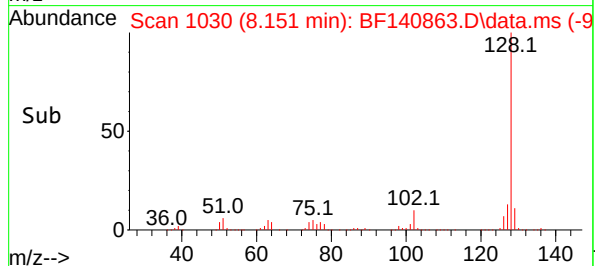
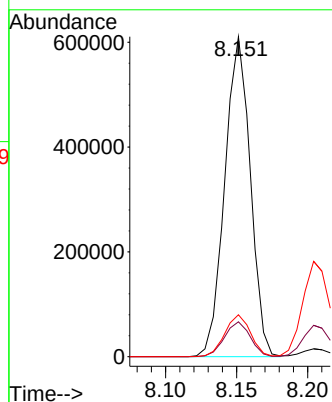
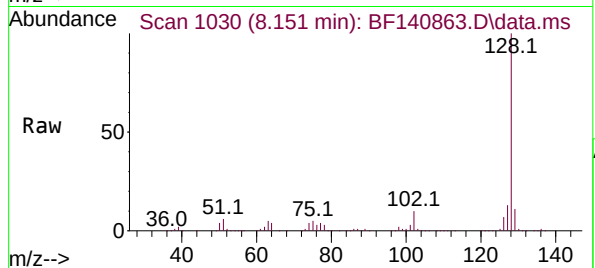
Tgt Ion:128 Resp: 763453

Ion Ratio Lower Upper

128 100

129 10.9 8.9 13.3

127 13.1 10.6 16.0



#32

Benzoic acid

Concen: 42.351 ng

RT: 7.939 min Scan# 994

Delta R.T. -0.001 min

Lab File: BF140863.D

Acq: 16 Dec 2024 16:41

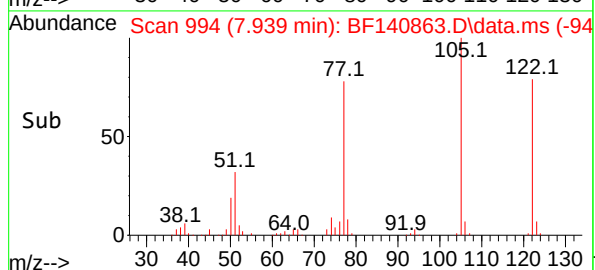
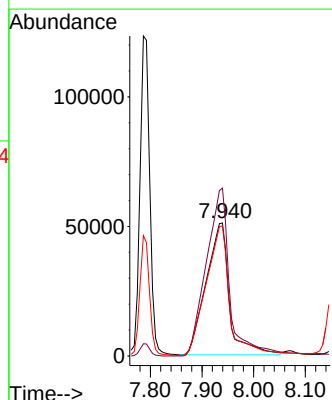
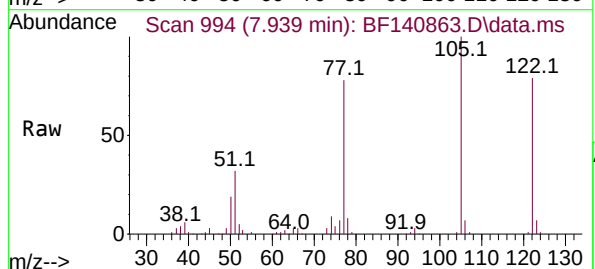
Tgt Ion:122 Resp: 159806

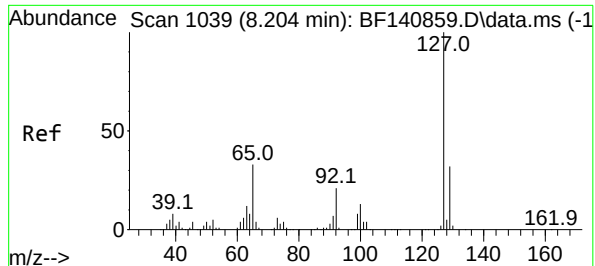
Ion Ratio Lower Upper

122 100

105 126.3 108.3 148.3

77 98.0 78.8 118.8





#33

4-Chloroaniline

Concen: 37.650 ng

RT: 8.204 min Scan# 1039

Delta R.T. -0.000 min

Lab File: BF140863.D

Acq: 16 Dec 2024 16:41

Instrument :

BNA_F

ClientSampleId :

ICVBF121624

Tgt Ion:127 Resp: 248138

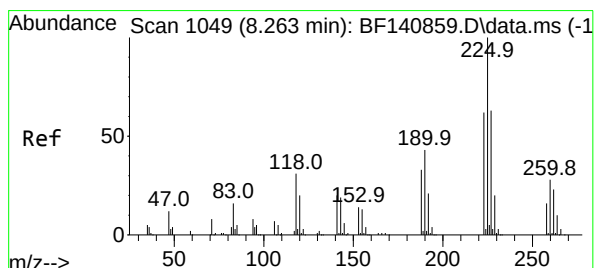
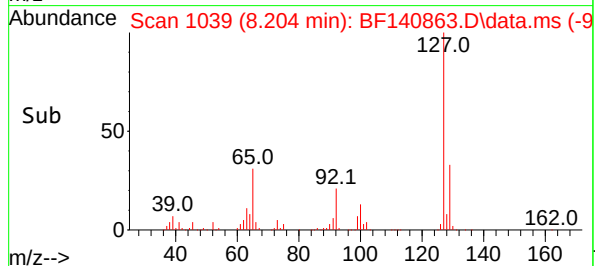
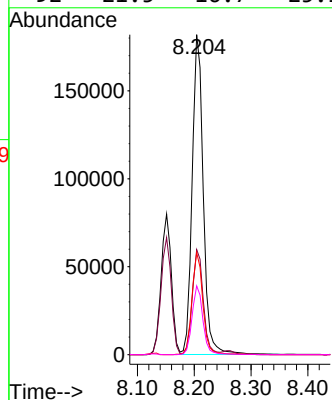
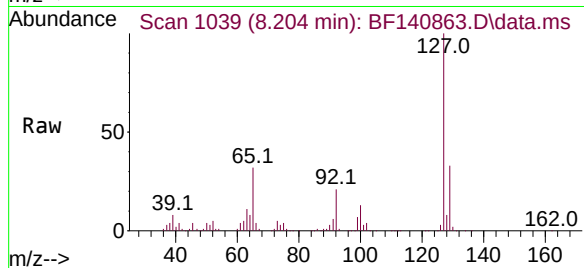
Ion Ratio Lower Upper

127 100

129 32.8 26.0 39.0

65 31.9 26.0 39.0

92 21.5 16.7 25.1



#34

Hexachlorobutadiene

Concen: 36.462 ng

RT: 8.263 min Scan# 1049

Delta R.T. -0.000 min

Lab File: BF140863.D

Acq: 16 Dec 2024 16:41

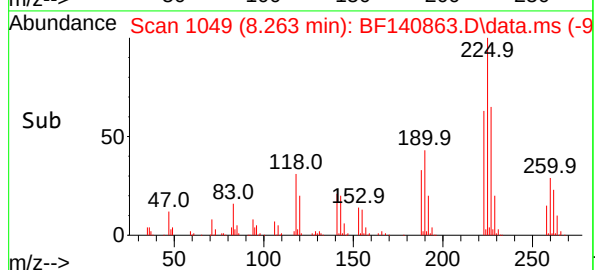
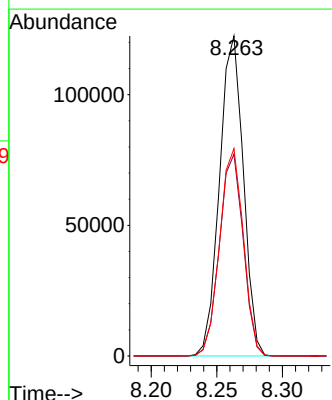
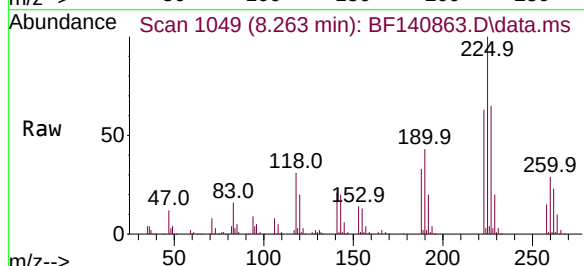
Tgt Ion:225 Resp: 154475

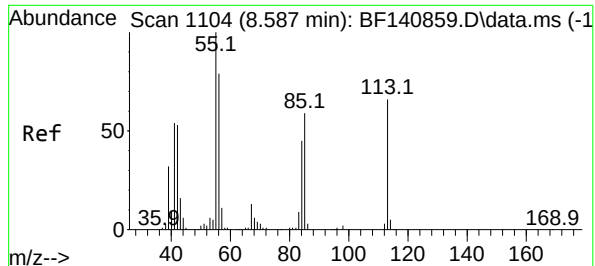
Ion Ratio Lower Upper

225 100

223 63.0 49.6 74.4

227 64.8 50.7 76.1

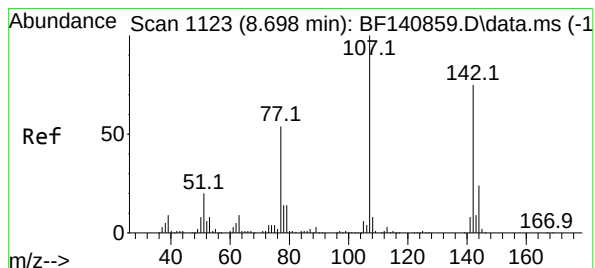
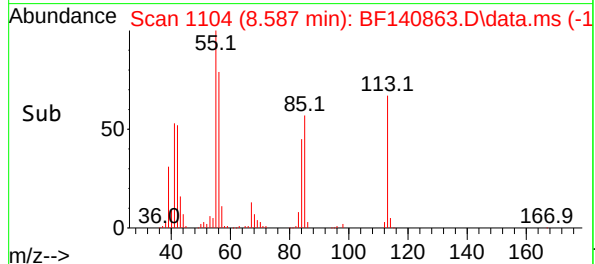
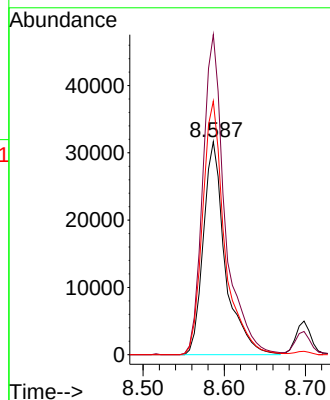
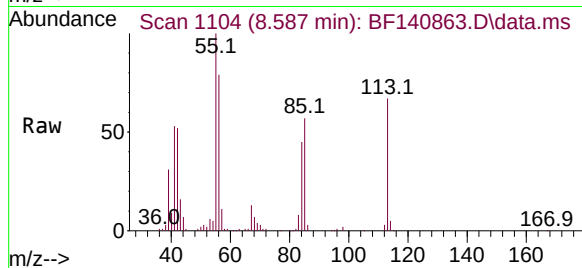




#35
Caprolactam
Concen: 36.113 ng
RT: 8.587 min Scan# 1104
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

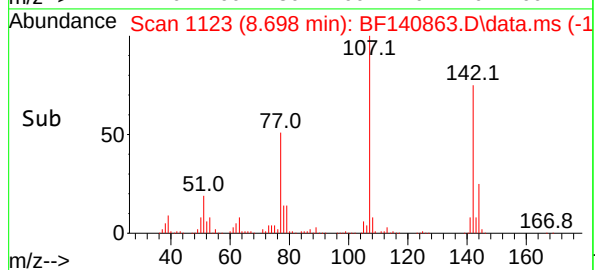
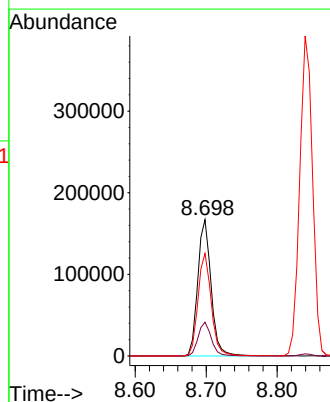
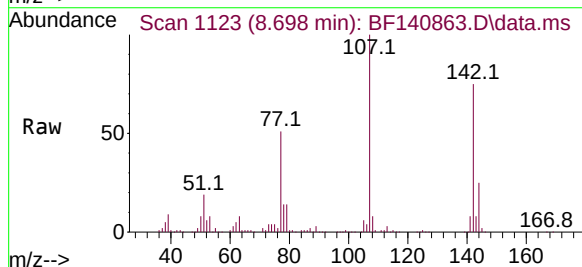
Instrument :
BNA_F
ClientSampleId :
ICVBF121624

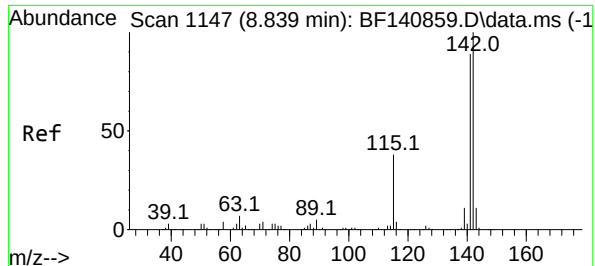
Tgt Ion	Ratio	Lower	Upper
113	100		
55	150.3	132.3	172.3
56	119.1	100.3	140.3



#36
4-Chloro-3-methylphenol
Concen: 35.477 ng
RT: 8.698 min Scan# 1123
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

Tgt Ion	Ratio	Lower	Upper
107	100		
144	24.8	19.4	29.2
142	75.3	60.3	90.5

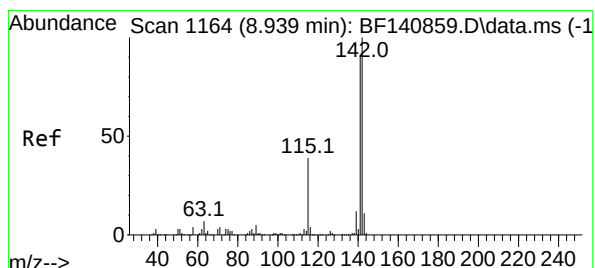
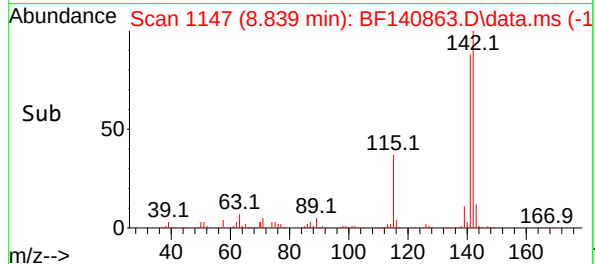
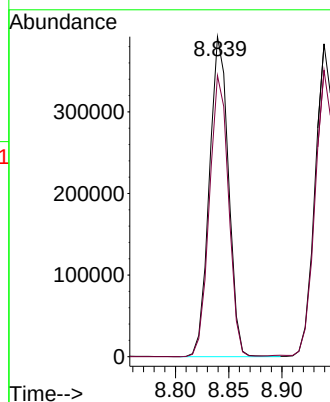
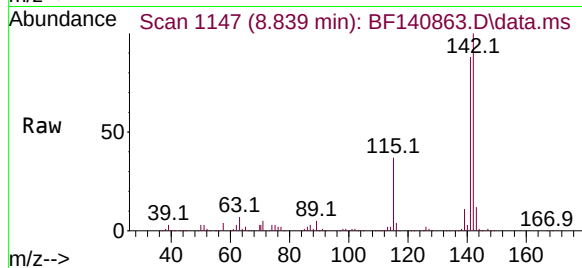




#37
2-Methylnaphthalene
Concen: 37.337 ng
RT: 8.839 min Scan# 1147
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

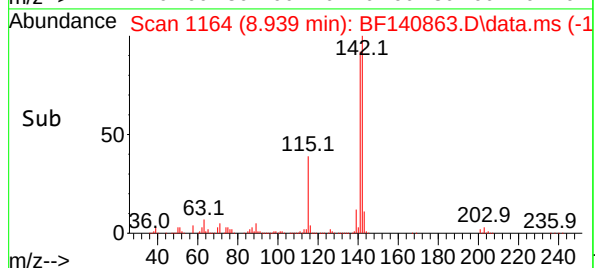
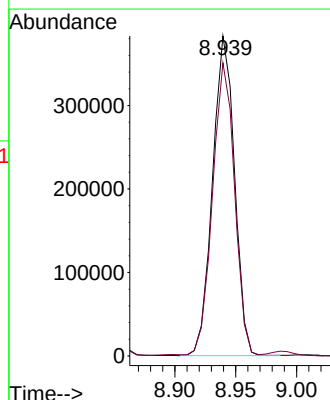
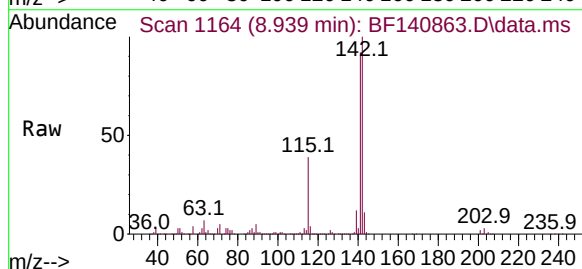
Instrument :
BNA_F
ClientSampleId :
ICVBF121624

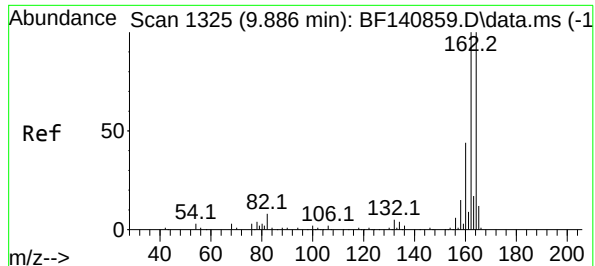
Tgt Ion:142 Resp: 490114
Ion Ratio Lower Upper
142 100
141 87.8 71.0 106.6



#38
1-Methylnaphthalene
Concen: 36.969 ng
RT: 8.939 min Scan# 1164
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

Tgt Ion:142 Resp: 479930
Ion Ratio Lower Upper
142 100
141 91.6 73.4 110.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.886 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF140863.D

Acq: 16 Dec 2024 16:41

Instrument :

BNA_F

ClientSampleId :

ICVBF121624

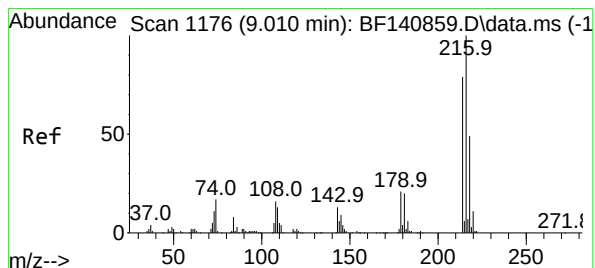
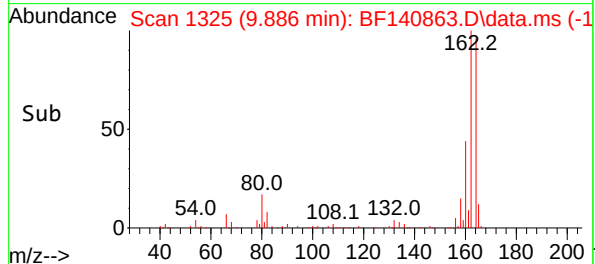
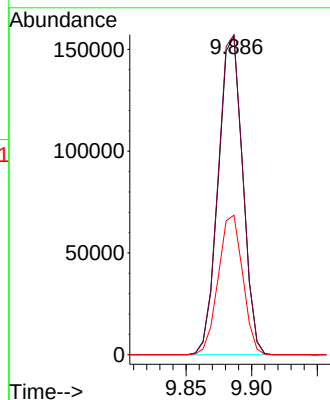
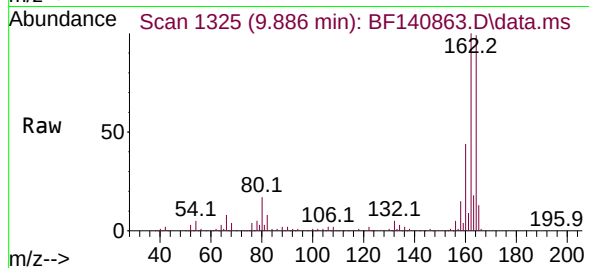
Tgt Ion:164 Resp: 202013

Ion Ratio Lower Upper

164 100

162 100.6 79.9 119.9

160 43.9 35.2 52.8



#40

1,2,4,5-Tetrachlorobenzene

Concen: 38.668 ng

RT: 9.010 min Scan# 1176

Delta R.T. -0.000 min

Lab File: BF140863.D

Acq: 16 Dec 2024 16:41

Tgt Ion:216 Resp: 240096

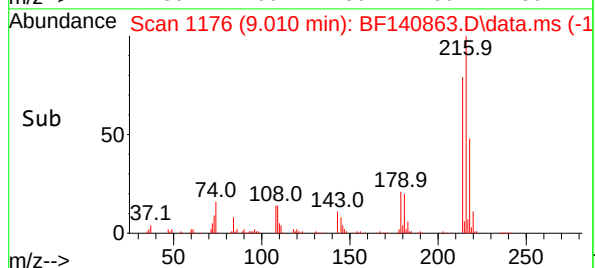
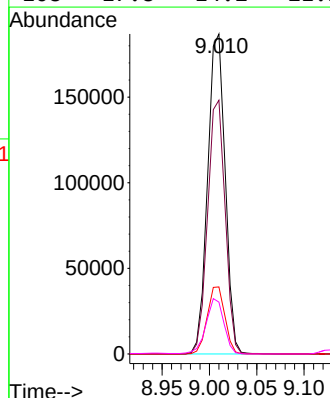
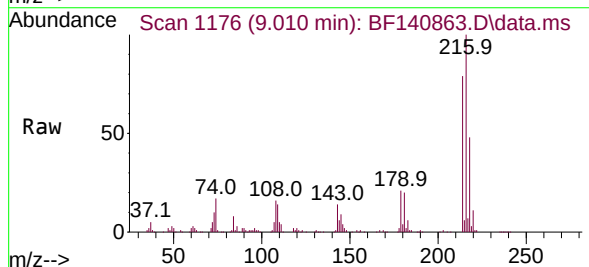
Ion Ratio Lower Upper

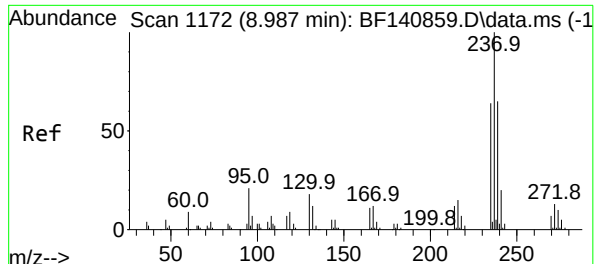
216 100

214 79.3 63.6 95.4

179 21.1 17.0 25.4

108 17.8 14.2 21.2

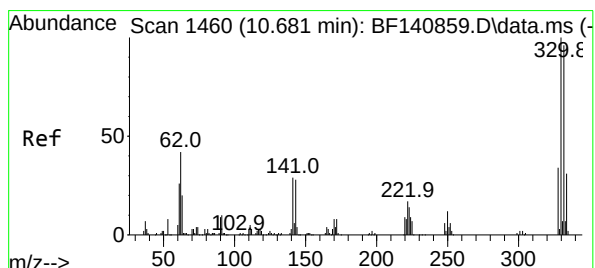
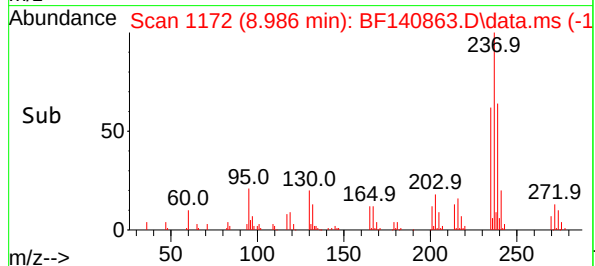
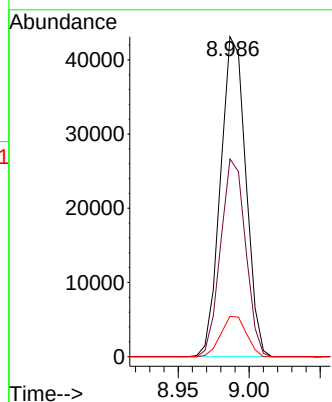
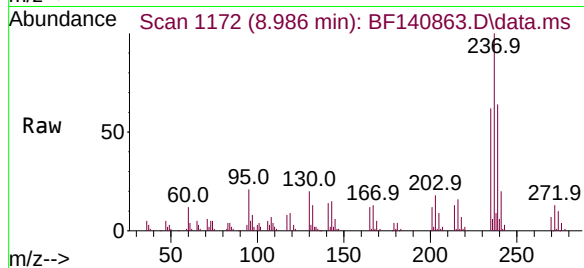




#41
Hexachlorocyclopentadiene
Concen: 37.672 ng
RT: 8.986 min Scan# 1172
Delta R.T. -0.001 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

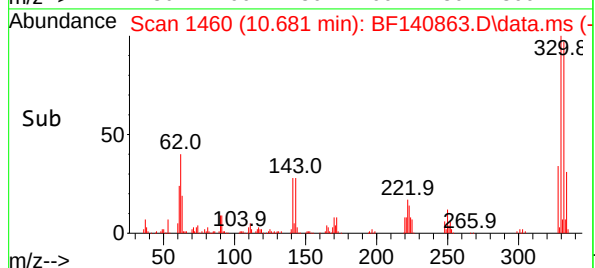
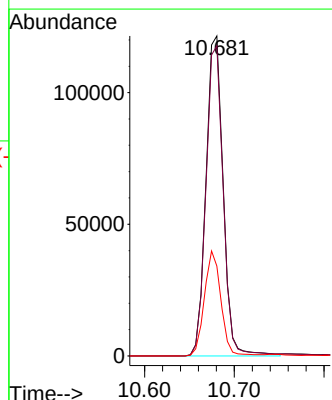
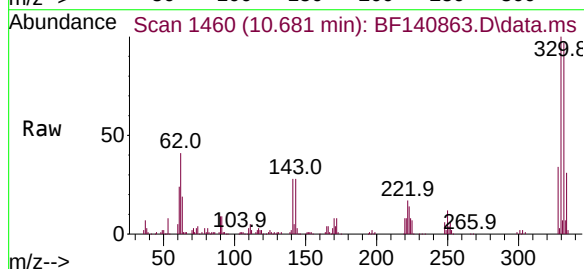
Instrument :
BNA_F
ClientSampleId :
ICVBF121624

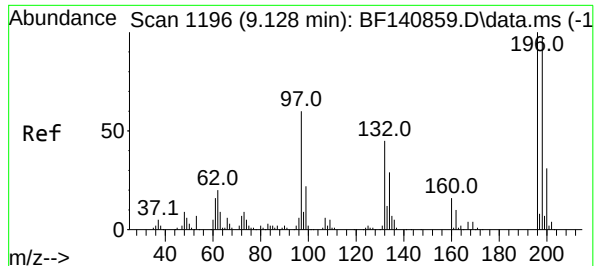
Tgt Ion	Ratio	Lower	Upper
237	100		
235	61.7	43.7	83.7
272	12.6	0.0	32.9



#42
2,4,6-Tribromophenol
Concen: 67.791 ng
RT: 10.681 min Scan# 1460
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

Tgt Ion	Ratio	Lower	Upper
330	100		
332	99.0	76.2	114.4
141	31.6	24.9	37.3





#43

2,4,6-Trichlorophenol

Concen: 39.419 ng

RT: 9.128 min Scan# 1196

Delta R.T. -0.000 min

Lab File: BF140863.D

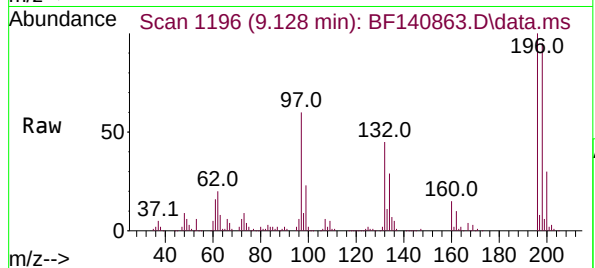
Acq: 16 Dec 2024 16:41

Instrument :

BNA_F

ClientSampleId :

ICVBF121624



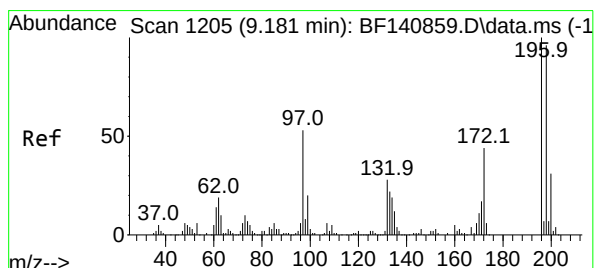
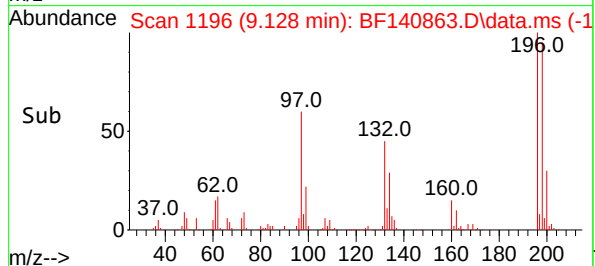
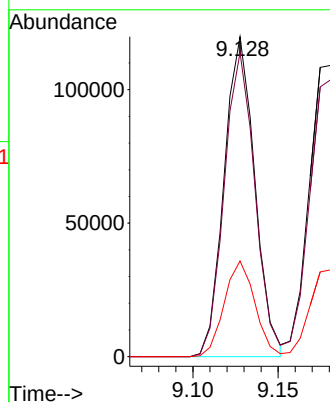
Tgt Ion:196 Resp: 149871

Ion Ratio Lower Upper

196 100

198 95.0 77.4 116.0

200 29.9 24.5 36.7



#44

2,4,5-Trichlorophenol

Concen: 39.895 ng

RT: 9.181 min Scan# 1205

Delta R.T. -0.000 min

Lab File: BF140863.D

Acq: 16 Dec 2024 16:41

Tgt Ion:196 Resp: 166716

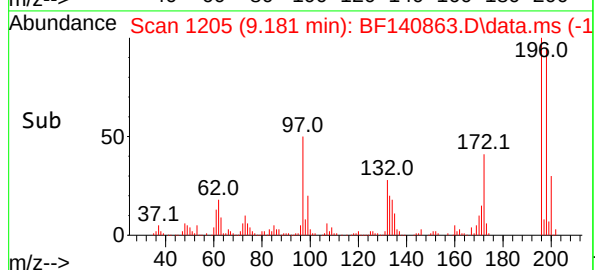
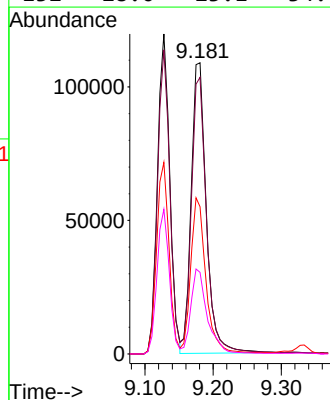
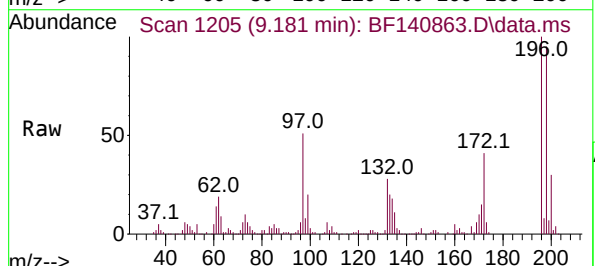
Ion Ratio Lower Upper

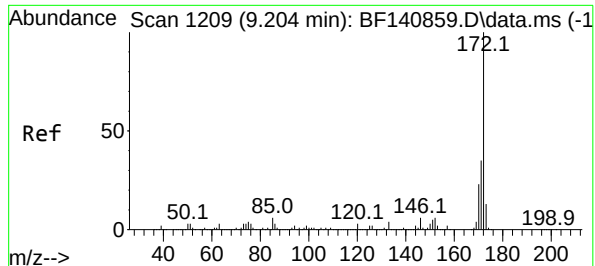
196 100

198 95.0 77.2 115.8

97 50.5 42.2 63.4

132 28.0 23.1 34.7

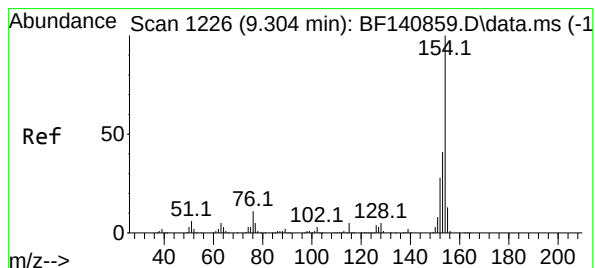
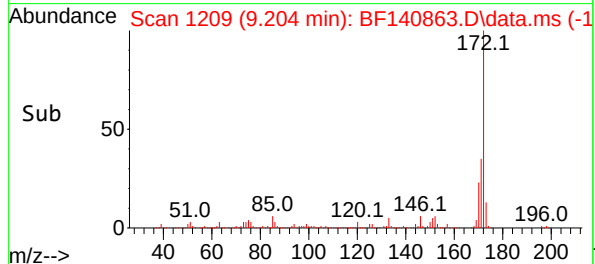
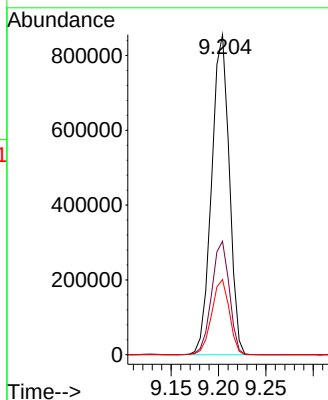
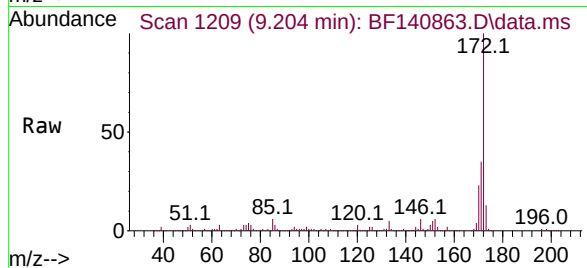




#45
2-Fluorobiphenyl
Concen: 75.432 ng
RT: 9.204 min Scan# 1209
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

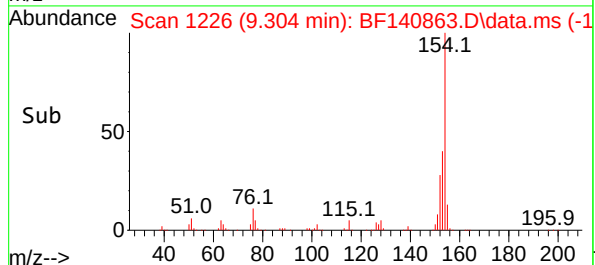
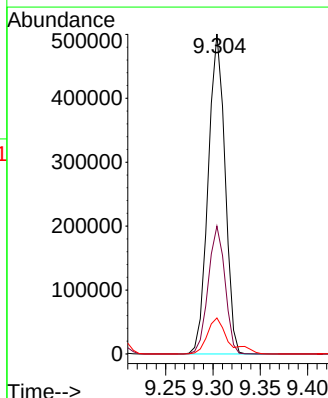
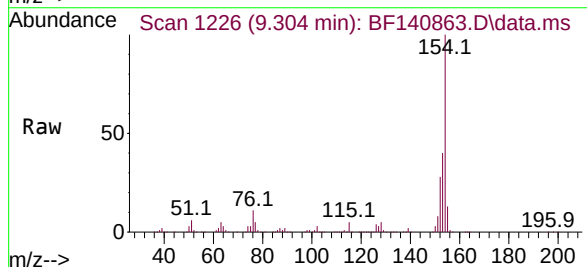
Instrument :
BNA_F
ClientSampleId :
ICVBF121624

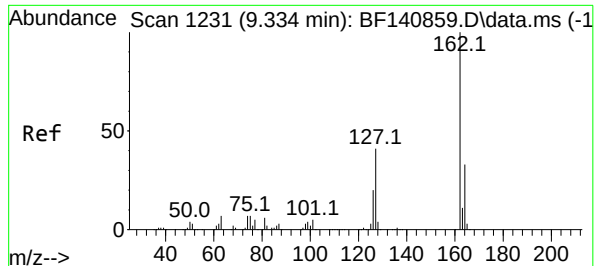
Tgt Ion:172 Resp: 1108356
Ion Ratio Lower Upper
172 100
171 35.5 28.4 42.6
170 23.5 18.6 28.0



#46
1,1'-Biphenyl
Concen: 38.412 ng
RT: 9.304 min Scan# 1226
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

Tgt Ion:154 Resp: 617038
Ion Ratio Lower Upper
154 100
153 39.9 20.8 60.8
76 11.3 0.0 31.0

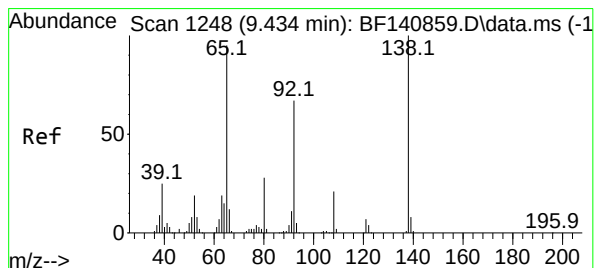
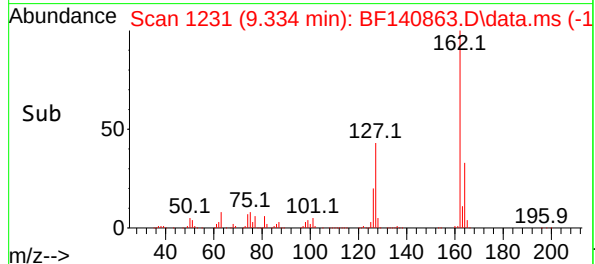
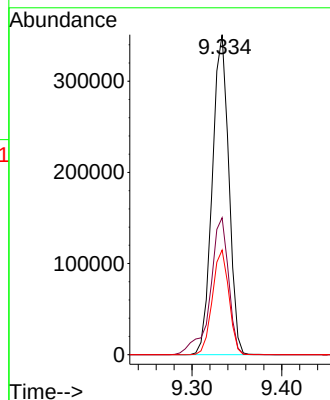
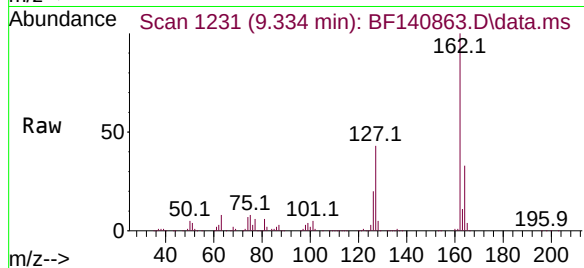




#47
2-Chloronaphthalene
Concen: 36.522 ng
RT: 9.334 min Scan# 1231
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

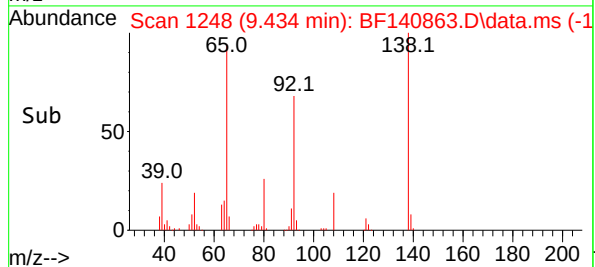
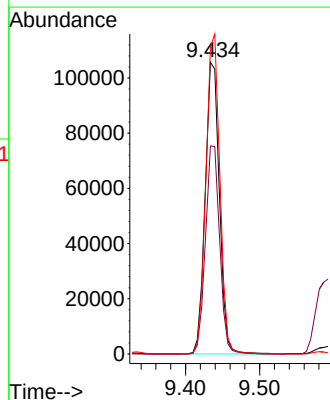
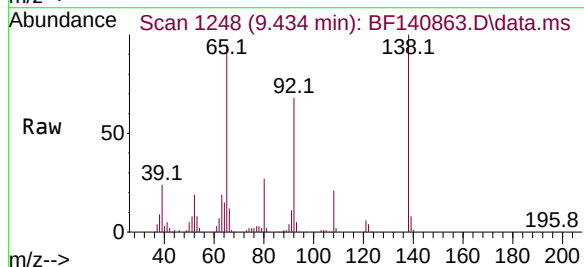
Instrument :
BNA_F
ClientSampleId :
ICVBF121624

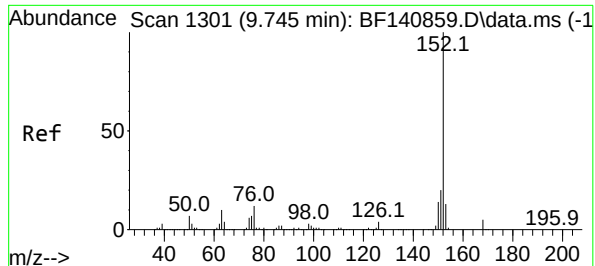
Tgt Ion	Ratio	Lower	Upper
162	100		
127	42.8	33.5	50.3
164	32.7	26.2	39.2



#48
2-Nitroaniline
Concen: 37.990 ng
RT: 9.434 min Scan# 1248
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

Tgt Ion	Ratio	Lower	Upper
65	100		
92	71.3	56.3	84.5
138	105.2	83.8	125.6

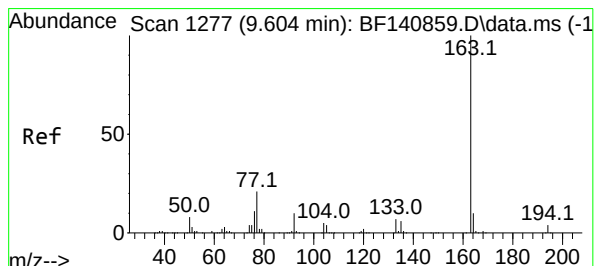
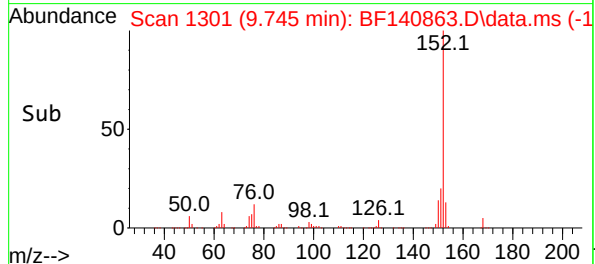
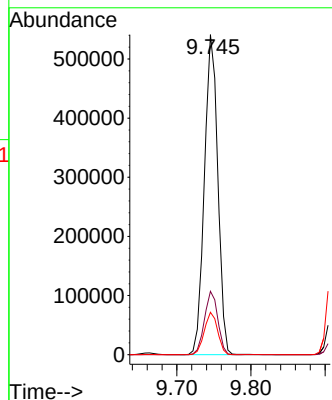
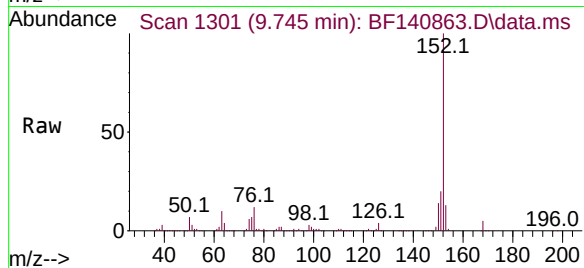




#49
Acenaphthylene
Concen: 37.651 ng
RT: 9.745 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

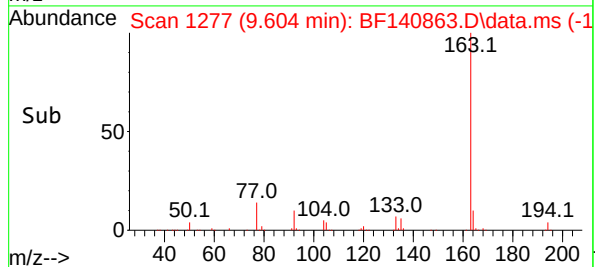
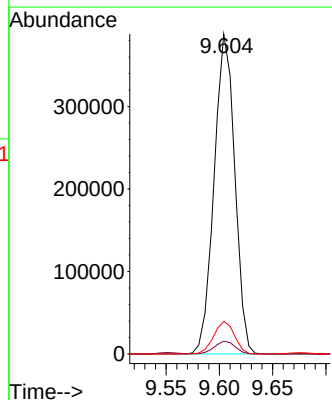
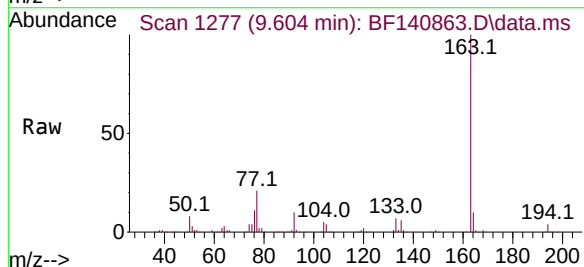
Instrument :
BNA_F
ClientSampleId :
ICVBF121624

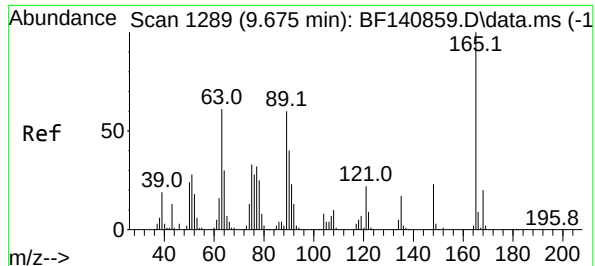
Tgt Ion:152 Resp: 679962
Ion Ratio Lower Upper
152 100
151 19.8 16.0 24.0
153 13.3 10.6 16.0



#50
Dimethylphthalate
Concen: 36.704 ng
RT: 9.604 min Scan# 1277
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

Tgt Ion:163 Resp: 522757
Ion Ratio Lower Upper
163 100
194 4.0 3.1 4.7
164 10.2 8.1 12.1





#51

2,6-Dinitrotoluene

Concen: 37.595 ng

RT: 9.675 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF140863.D

Acq: 16 Dec 2024 16:41

Instrument :

BNA_F

ClientSampleId :

ICVBF121624

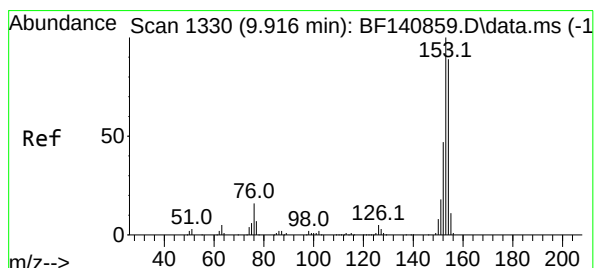
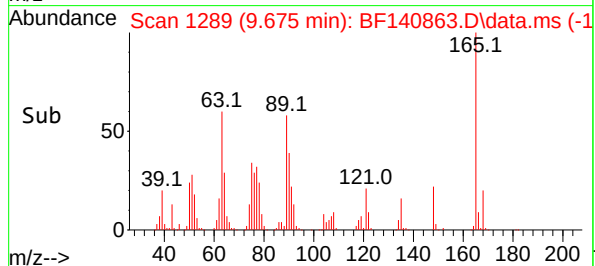
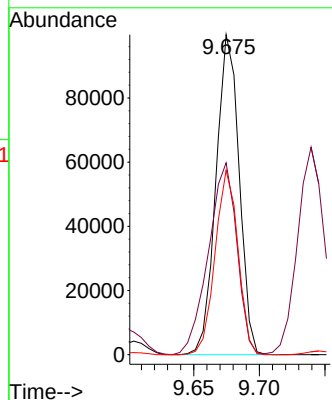
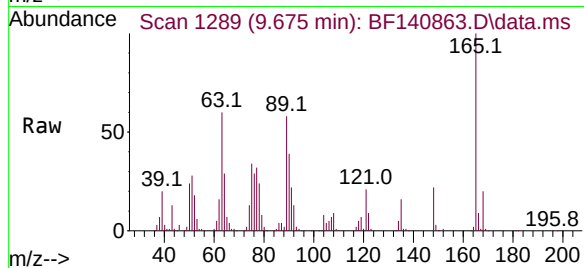
Tgt Ion:165 Resp: 122408

Ion Ratio Lower Upper

165 100

63 60.0 49.7 74.5

89 57.6 48.2 72.4



#52

Acenaphthene

Concen: 38.275 ng

RT: 9.916 min Scan# 1330

Delta R.T. -0.000 min

Lab File: BF140863.D

Acq: 16 Dec 2024 16:41

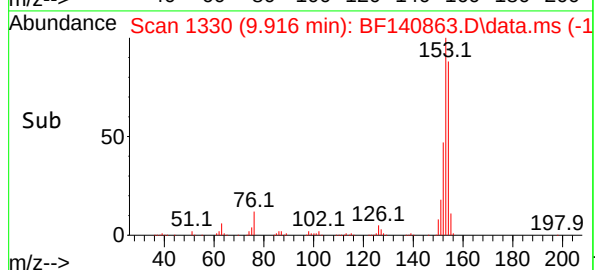
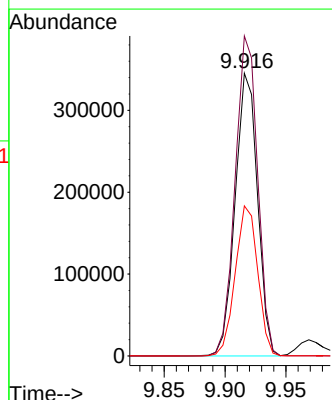
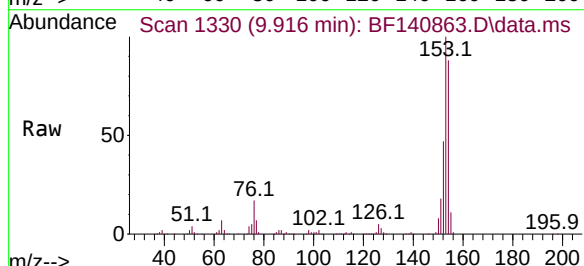
Tgt Ion:154 Resp: 441540

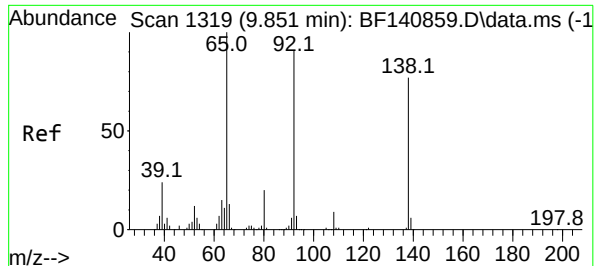
Ion Ratio Lower Upper

154 100

153 113.2 89.9 134.9

152 53.1 42.6 63.8





#53

3-Nitroaniline

Concen: 39.722 ng

RT: 9.851 min Scan# 1319

Delta R.T. -0.000 min

Lab File: BF140863.D

Acq: 16 Dec 2024 16:41

Instrument :

BNA_F

ClientSampleId :

ICVBF121624

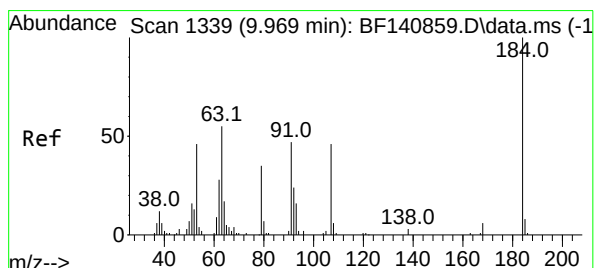
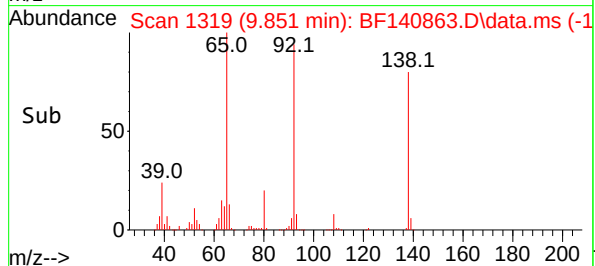
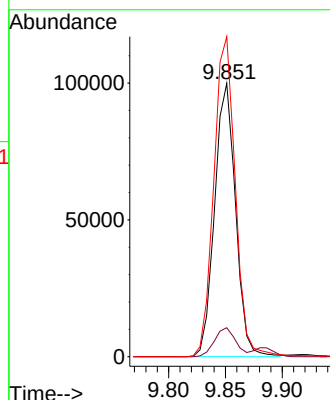
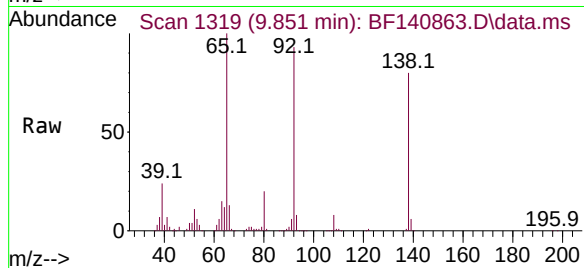
Tgt Ion:138 Resp: 128348

Ion Ratio Lower Upper

138 100

108 10.6 9.0 13.4

92 117.1 95.5 143.3



#54

2,4-Dinitrophenol

Concen: 35.766 ng

RT: 9.969 min Scan# 1339

Delta R.T. -0.000 min

Lab File: BF140863.D

Acq: 16 Dec 2024 16:41

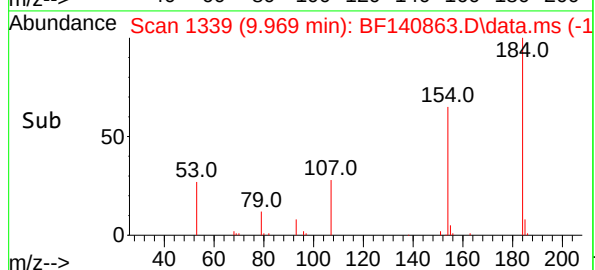
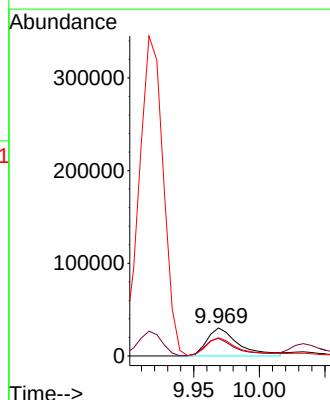
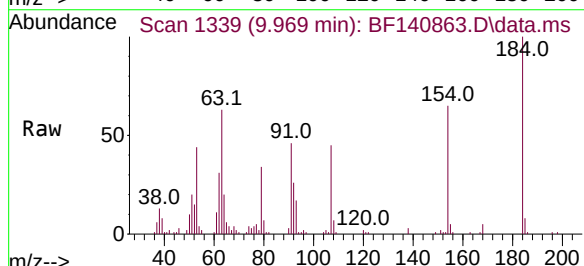
Tgt Ion:184 Resp: 50562

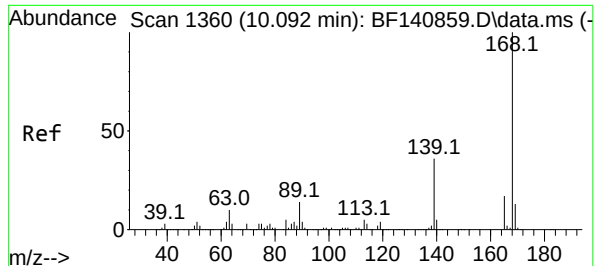
Ion Ratio Lower Upper

184 100

63 63.0 51.6 77.4

154 65.4 56.1 84.1





#55

Dibenzenofuran

Concen: 37.113 ng

RT: 10.092 min Scan# 1360

Delta R.T. -0.000 min

Lab File: BF140863.D

Acq: 16 Dec 2024 16:41

Instrument :

BNA_F

ClientSampleId :

ICVBF121624

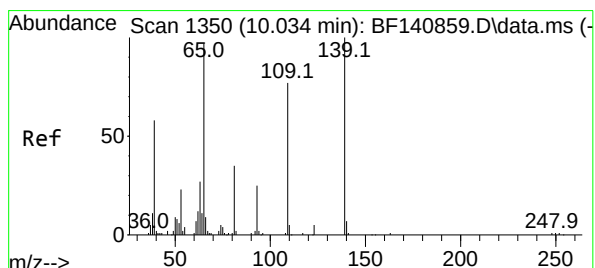
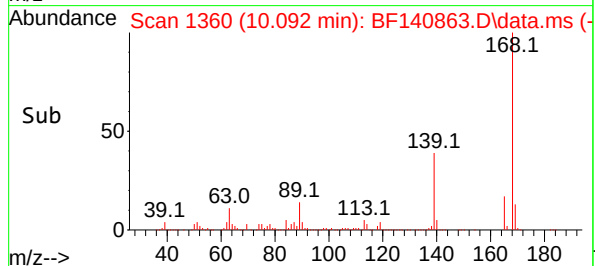
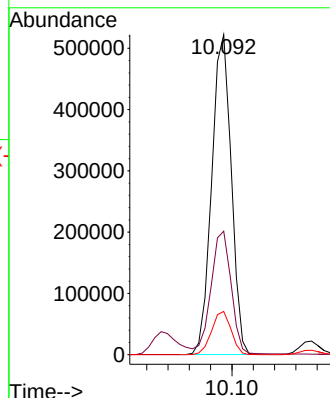
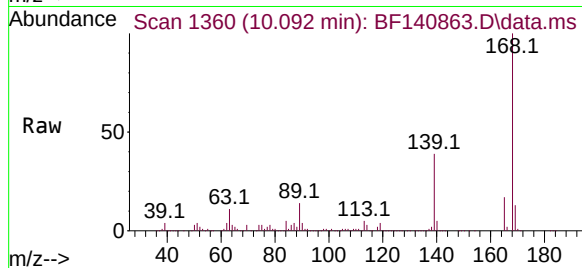
Tgt Ion:168 Resp: 663435

Ion Ratio Lower Upper

168 100

139 38.6 31.1 46.7

169 13.5 10.6 16.0



#56

4-Nitrophenol

Concen: 38.834 ng

RT: 10.033 min Scan# 1350

Delta R.T. -0.001 min

Lab File: BF140863.D

Acq: 16 Dec 2024 16:41

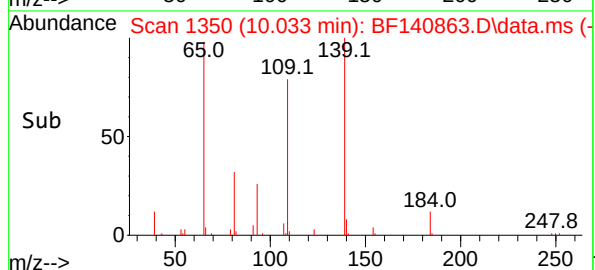
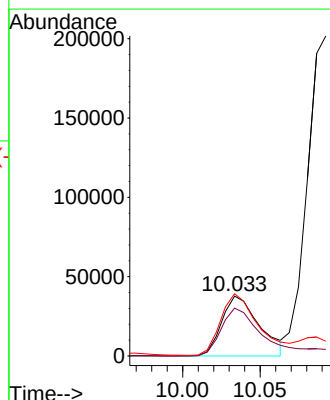
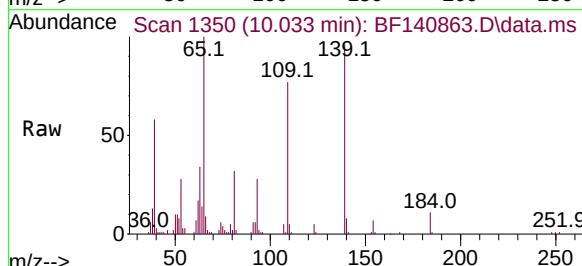
Tgt Ion:139 Resp: 63289

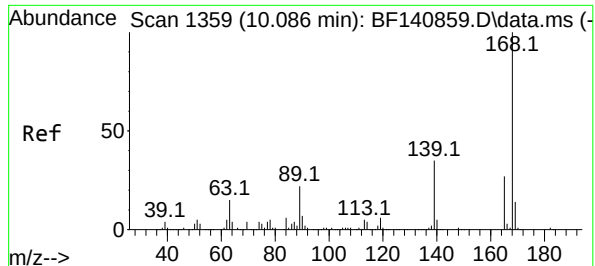
Ion Ratio Lower Upper

139 100

109 80.0 56.7 96.7

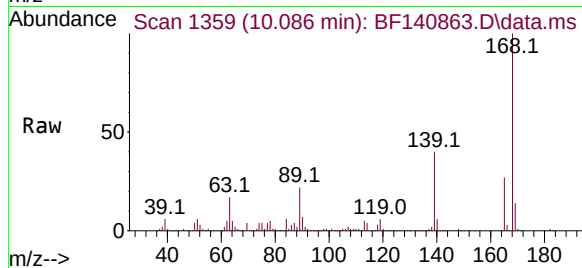
65 103.8 78.1 118.1



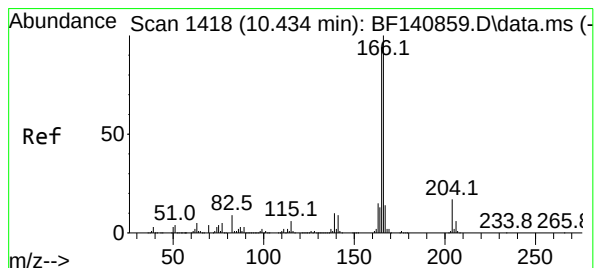
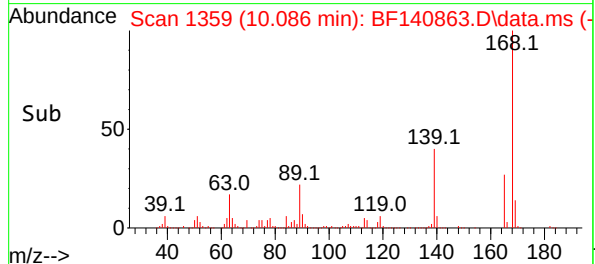
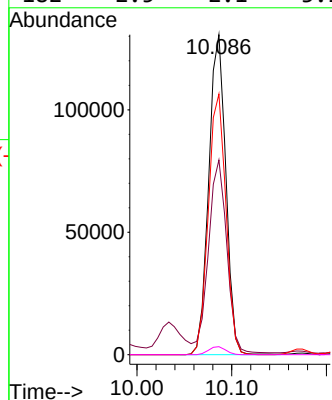


#57
2,4-Dinitrotoluene
Concen: 38.076 ng
RT: 10.086 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

Instrument :
BNA_F
ClientSampleId :
ICVBF121624

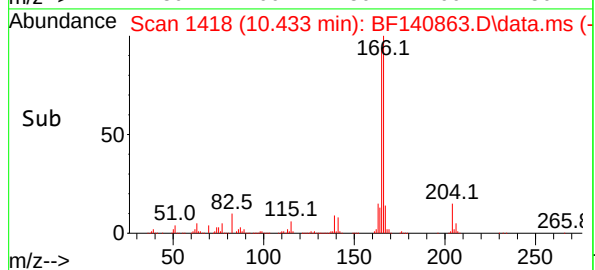
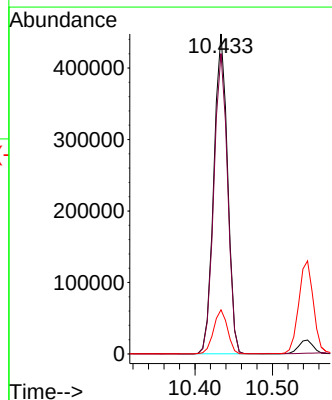
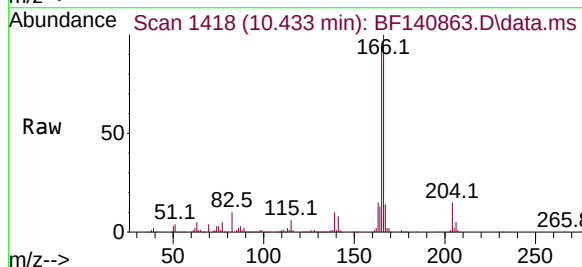


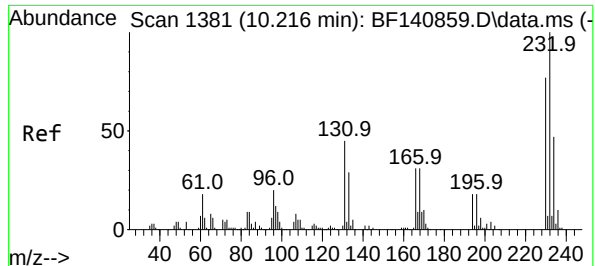
Tgt Ion:165 Resp: 163115
Ion Ratio Lower Upper
165 100
63 60.9 49.3 73.9
89 81.5 66.2 99.4
182 2.5 2.1 3.1



#58
Fluorene
Concen: 37.370 ng
RT: 10.433 min Scan# 1418
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

Tgt Ion:166 Resp: 551110
Ion Ratio Lower Upper
166 100
165 93.9 75.1 112.7
167 13.8 11.1 16.7

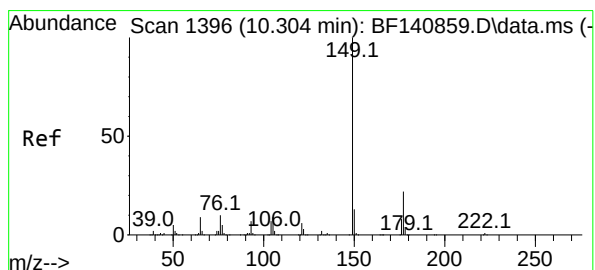
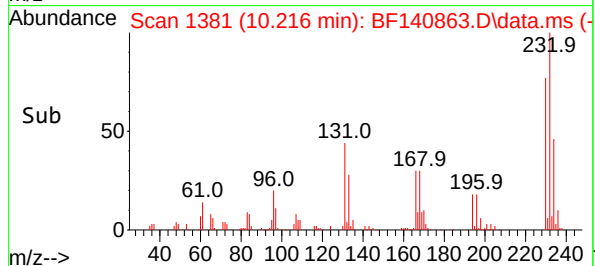
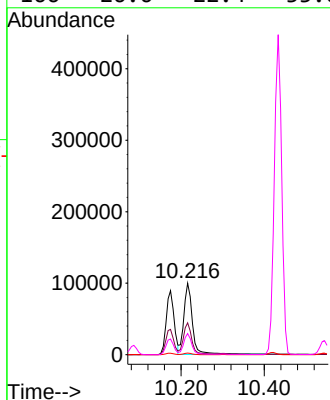
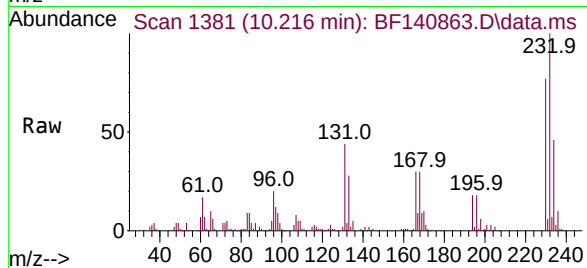




#59
2,3,4,6-Tetrachlorophenol
Concen: 42.405 ng
RT: 10.216 min Scan# 1381
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

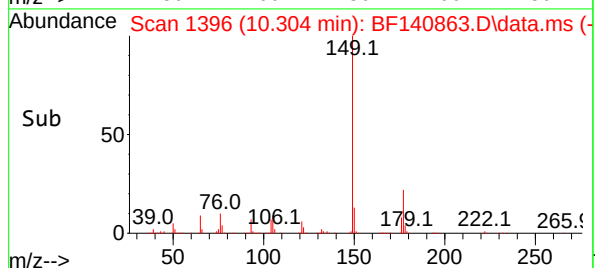
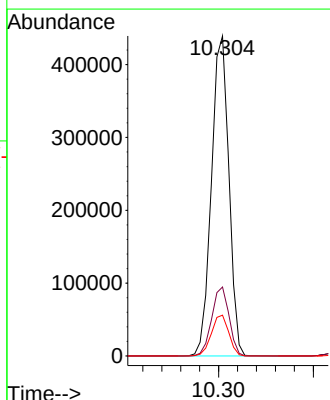
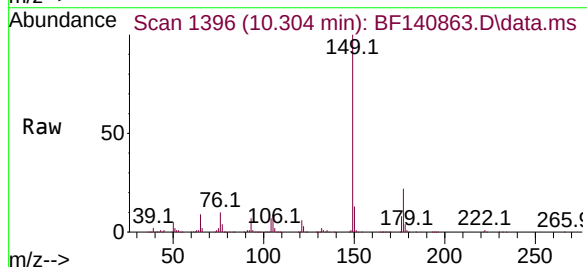
Instrument :
BNA_F
ClientSampleId :
ICVBF121624

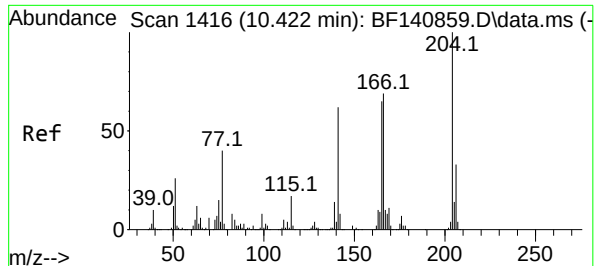
Tgt Ion:232 Resp: 144396
Ion Ratio Lower Upper
232 100
131 42.6 35.1 52.7
130 2.2 1.8 2.8
166 26.6 22.4 33.6



#60
Diethylphthalate
Concen: 37.926 ng
RT: 10.304 min Scan# 1396
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

Tgt Ion:149 Resp: 560121
Ion Ratio Lower Upper
149 100
177 21.6 17.2 25.8
150 12.7 10.1 15.1

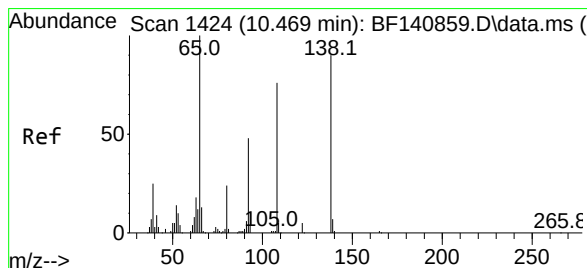
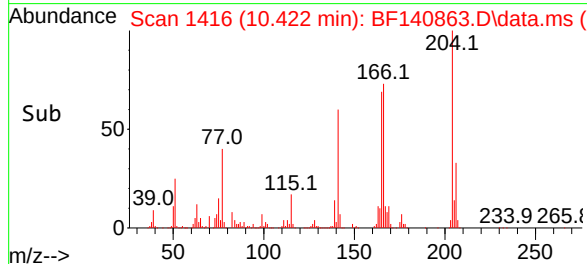
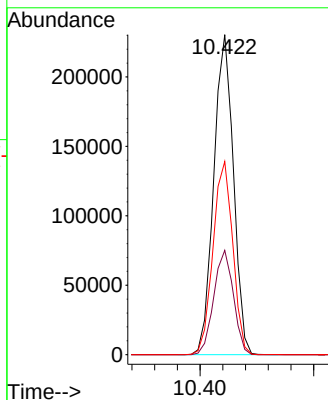
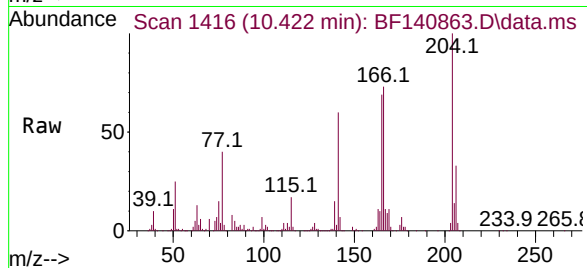




#61
4-Chlorophenyl-phenylether
Concen: 37.398 ng
RT: 10.422 min Scan# 1416
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

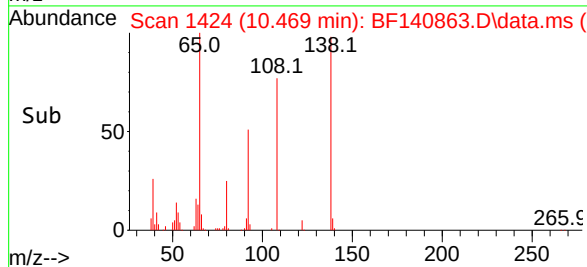
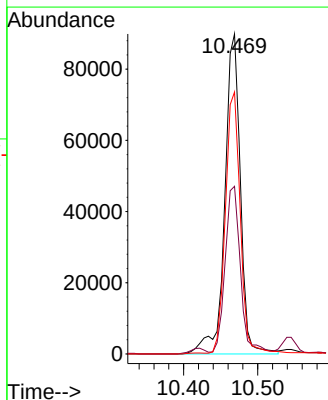
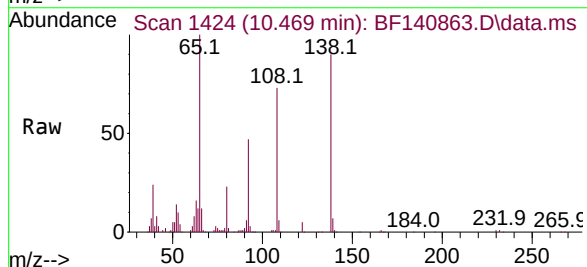
Instrument :
BNA_F
ClientSampleId :
ICVBF121624

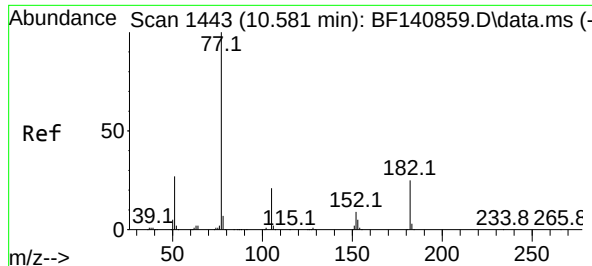
Tgt Ion:204 Resp: 277040
Ion Ratio Lower Upper
204 100
206 32.6 26.5 39.7
141 60.3 50.0 75.0



#62
4-Nitroaniline
Concen: 38.912 ng
RT: 10.469 min Scan# 1424
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

Tgt Ion:138 Resp: 131388
Ion Ratio Lower Upper
138 100
92 52.4 32.6 72.6
108 81.8 64.1 104.1

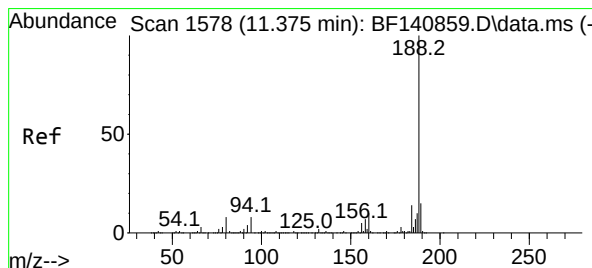
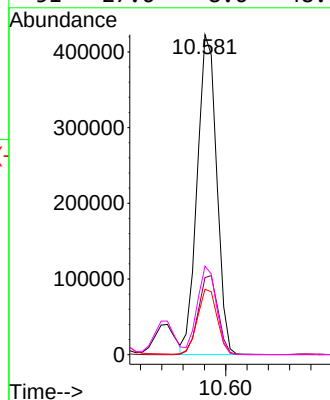
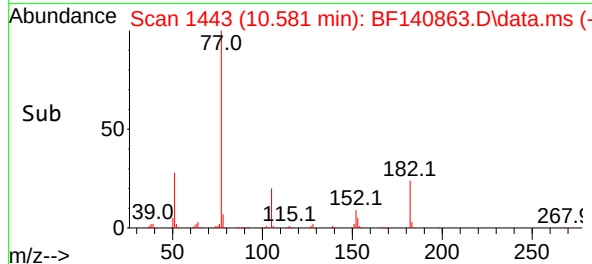
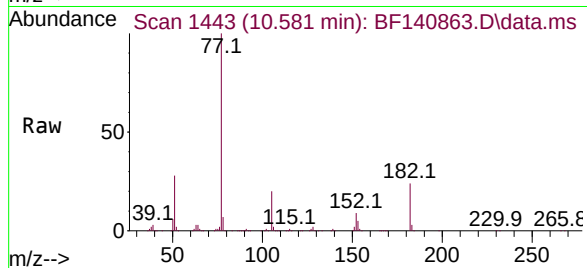




#63
Azobenzene
Concen: 38.657 ng
RT: 10.581 min Scan# 1443
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

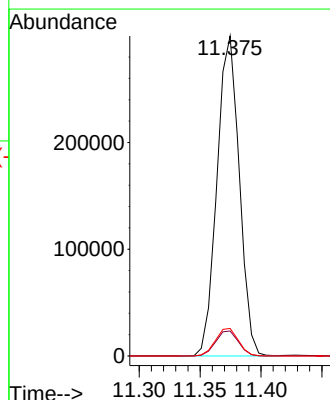
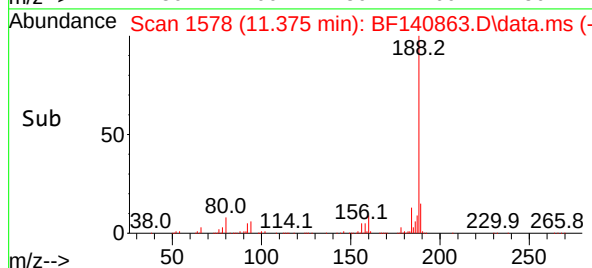
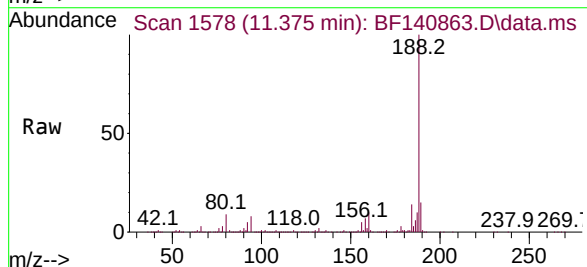
Instrument :
BNA_F
ClientSampleId :
ICVBF121624

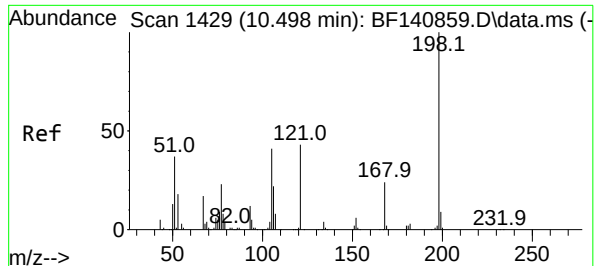
Tgt Ion:	77	Resp:	536731
Ion	Ratio	Lower	Upper
77	100		
182	24.1	4.5	44.5
105	20.5	0.9	40.9
51	27.6	8.6	48.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.375 min Scan# 1578
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

Tgt Ion:	188	Resp:	381984
Ion	Ratio	Lower	Upper
188	100		
94	7.8	6.4	9.6
80	8.6	6.8	10.2





#65

4,6-Dinitro-2-methylphenol

Concen: 41.637 ng

RT: 10.498 min Scan# 1429

Delta R.T. 0.000 min

Lab File: BF140863.D

Acq: 16 Dec 2024 16:41

Instrument :

BNA_F

ClientSampleId :

ICVBF121624

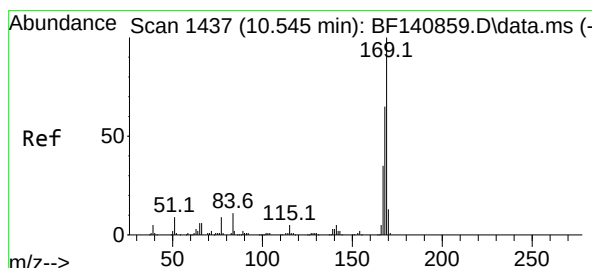
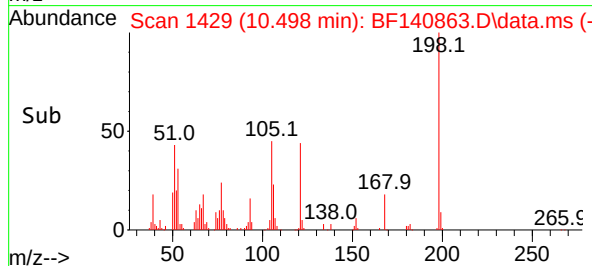
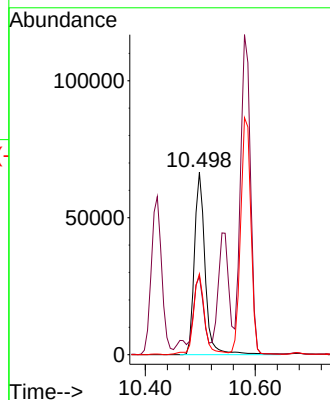
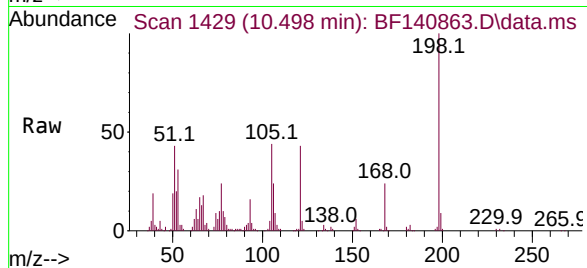
Tgt Ion:198 Resp: 90125

Ion Ratio Lower Upper

198 100

51 42.9 24.4 64.4

105 44.3 22.1 62.1



#66

n-Nitrosodiphenylamine

Concen: 39.710 ng

RT: 10.545 min Scan# 1437

Delta R.T. -0.000 min

Lab File: BF140863.D

Acq: 16 Dec 2024 16:41

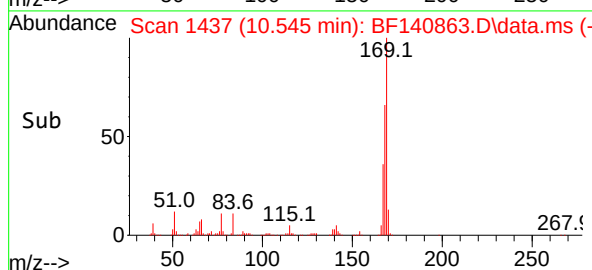
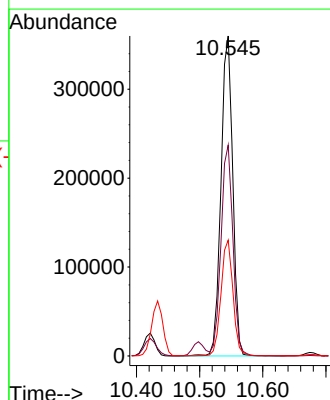
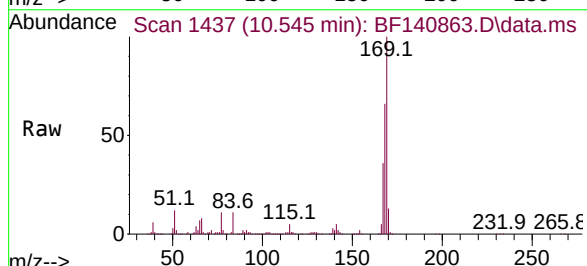
Tgt Ion:169 Resp: 466366

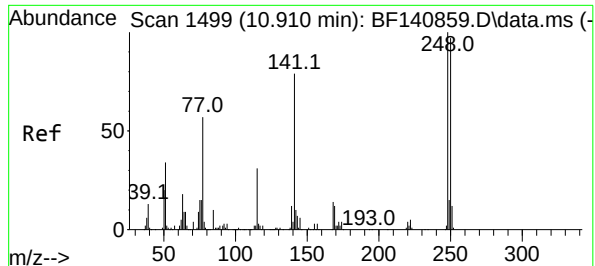
Ion Ratio Lower Upper

169 100

168 65.9 53.4 80.0

167 36.2 28.3 42.5

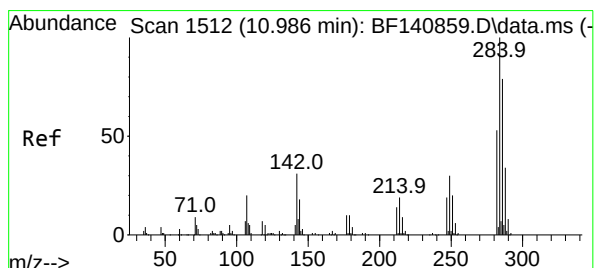
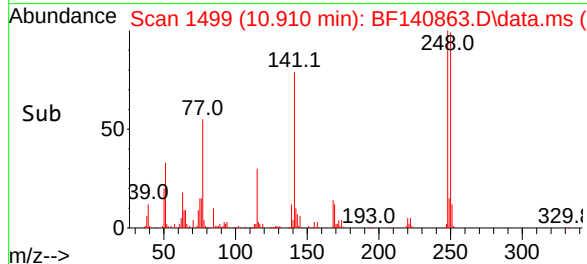
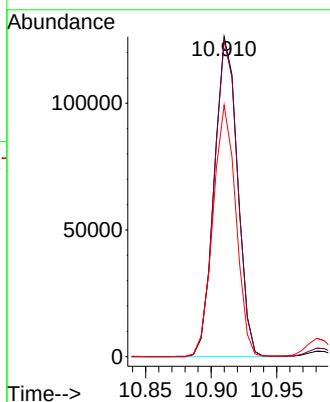
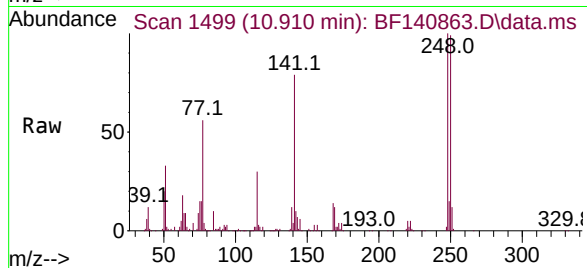




#67
4-Bromophenyl-phenylether
Concen: 36.329 ng
RT: 10.910 min Scan# 1499
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

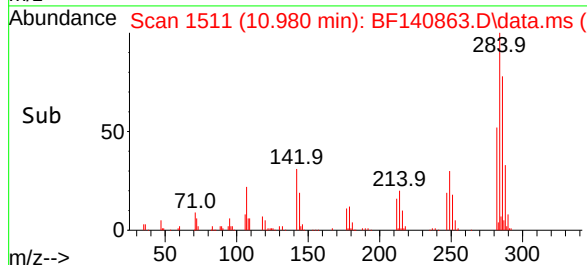
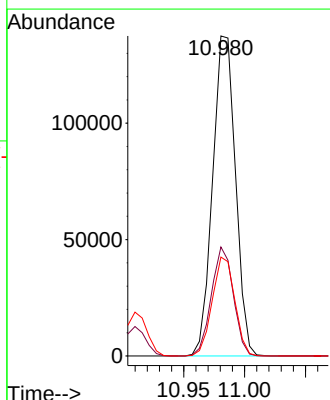
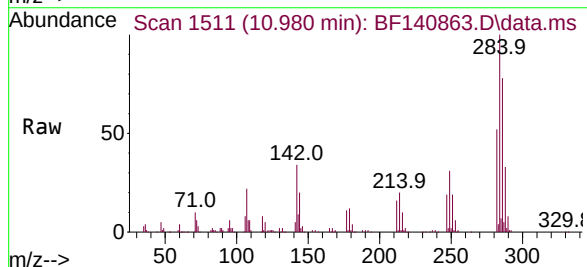
Instrument :
BNA_F
ClientSampleId :
ICVBF121624

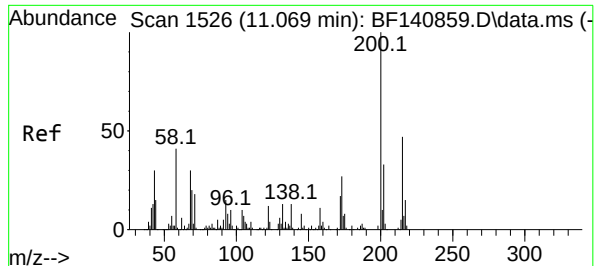
Tgt Ion:	248	Resp:	155245
Ion Ratio	Lower	Upper	
248	100		
250	98.9	77.4	116.2
141	78.6	62.9	94.3



#68
Hexachlorobenzene
Concen: 37.132 ng
RT: 10.980 min Scan# 1511
Delta R.T. -0.006 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

Tgt Ion:	284	Resp:	179906
Ion Ratio	Lower	Upper	
284	100		
142	34.0	24.6	36.8
249	30.9	24.3	36.5





#69

Atrazine

Concen: 36.838 ng

RT: 11.069 min Scan# 1526

Delta R.T. -0.000 min

Lab File: BF140863.D

Acq: 16 Dec 2024 16:41

Instrument :

BNA_F

ClientSampleId :

ICVBF121624

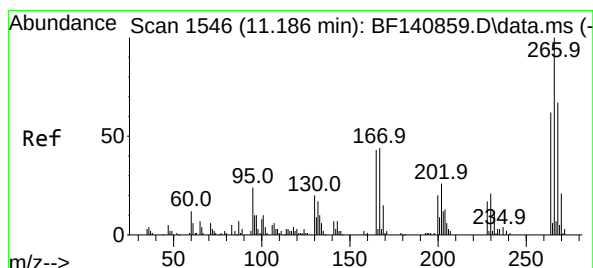
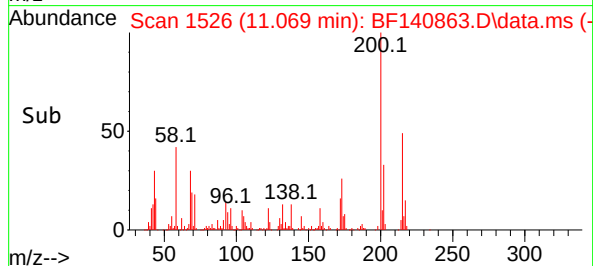
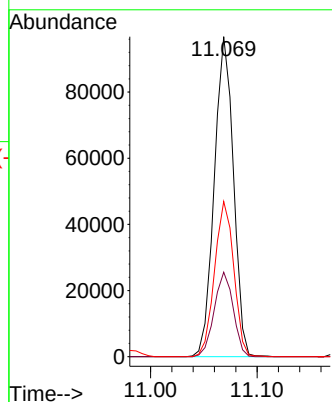
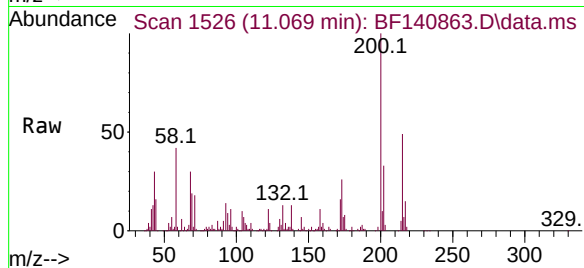
Tgt Ion:200 Resp: 120830

Ion Ratio Lower Upper

200 100

173 26.4 6.6 46.6

215 48.5 26.7 66.7



#70

Pentachlorophenol

Concen: 38.679 ng

RT: 11.186 min Scan# 1546

Delta R.T. 0.000 min

Lab File: BF140863.D

Acq: 16 Dec 2024 16:41

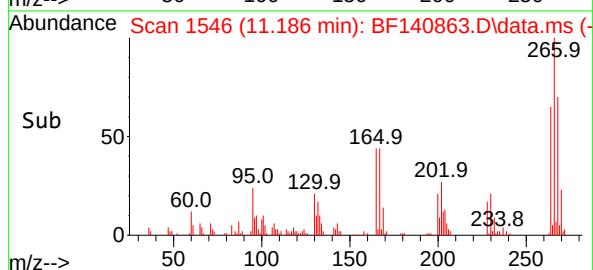
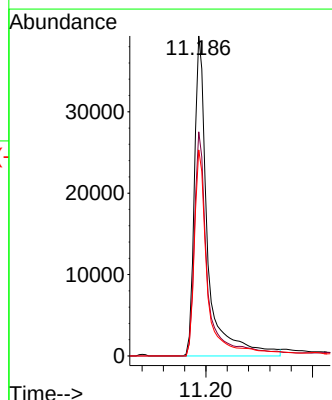
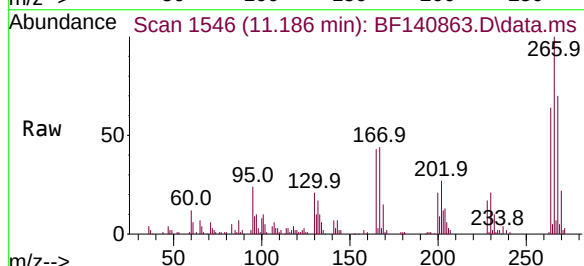
Tgt Ion:266 Resp: 68516

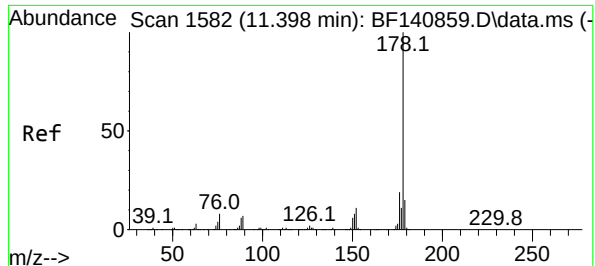
Ion Ratio Lower Upper

266 100

268 70.1 54.0 81.0

264 64.4 49.4 74.2

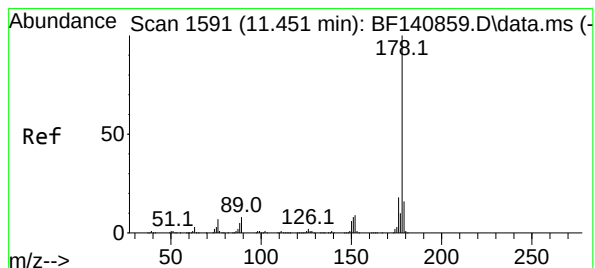
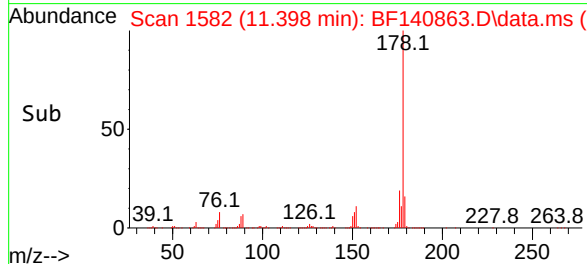
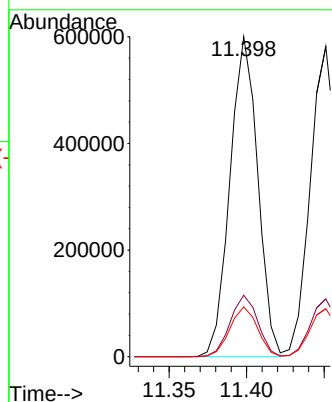
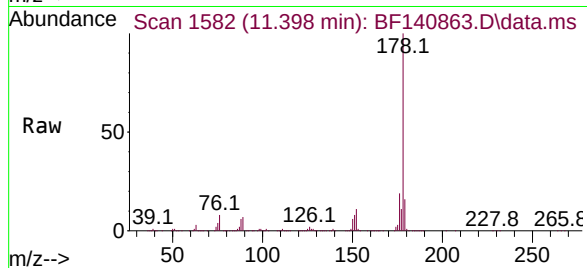




#71
Phenanthrene
Concen: 38.078 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

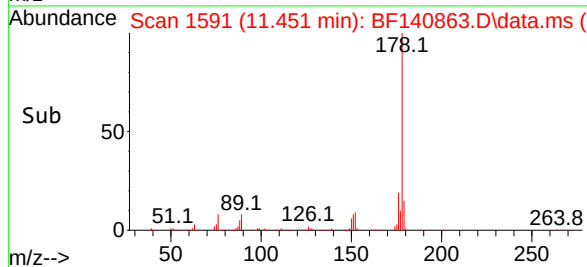
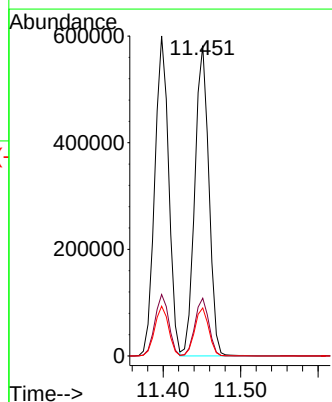
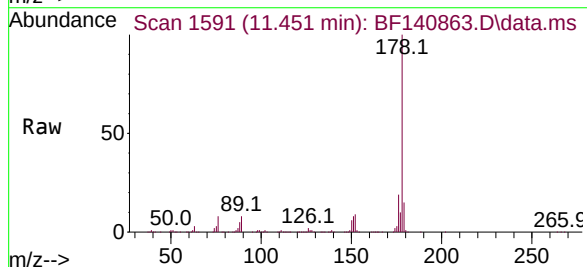
Instrument :
BNA_F
ClientSampleId :
ICVBF121624

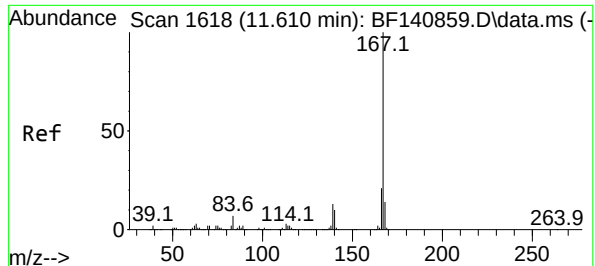
Tgt Ion:178 Resp: 747974
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.2
179 15.6 12.1 18.1



#72
Anthracene
Concen: 37.720 ng
RT: 11.451 min Scan# 1591
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

Tgt Ion:178 Resp: 729685
Ion Ratio Lower Upper
178 100
176 18.6 14.6 22.0
179 15.5 12.6 18.8

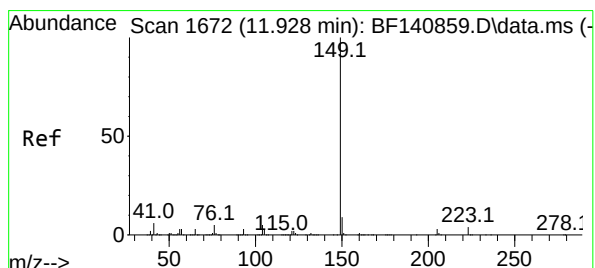
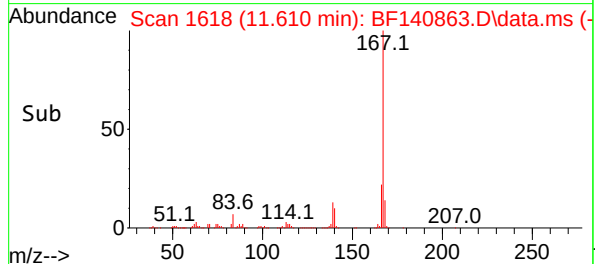
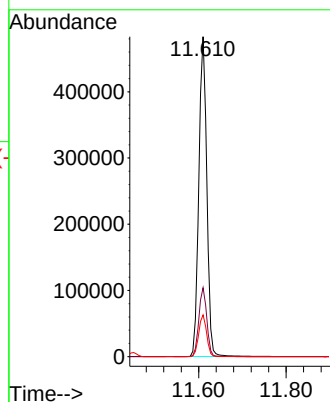
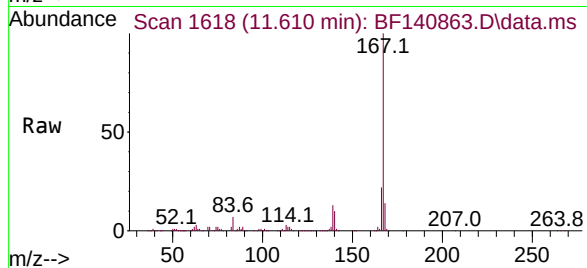




#73
Carbazole
Concen: 32.390 ng
RT: 11.610 min Scan# 1618
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

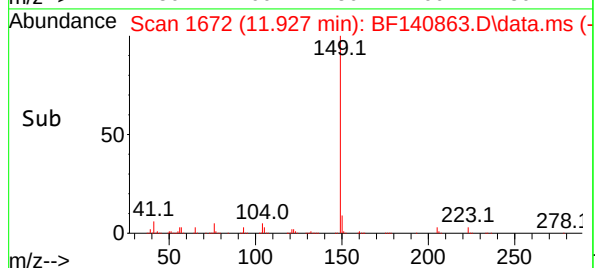
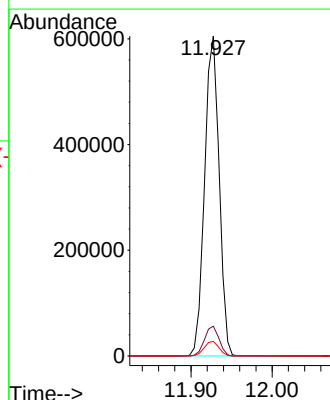
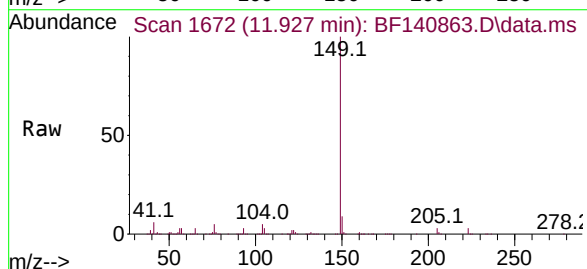
Instrument :
BNA_F
ClientSampleId :
ICVBF121624

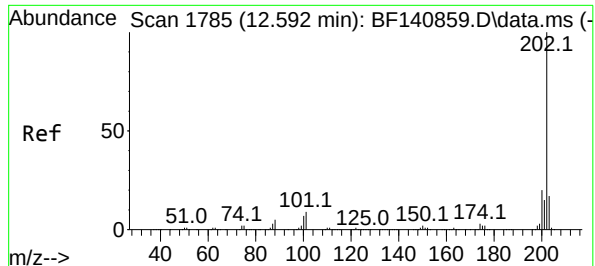
Tgt Ion:167 Resp: 613711
Ion Ratio Lower Upper
167 100
166 21.6 17.0 25.6
139 13.1 10.2 15.2



#74
Di-n-butylphthalate
Concen: 33.782 ng
RT: 11.927 min Scan# 1672
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

Tgt Ion:149 Resp: 751217
Ion Ratio Lower Upper
149 100
150 9.3 7.5 11.3
104 4.5 3.8 5.8

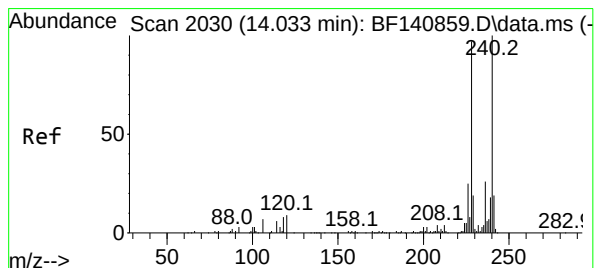
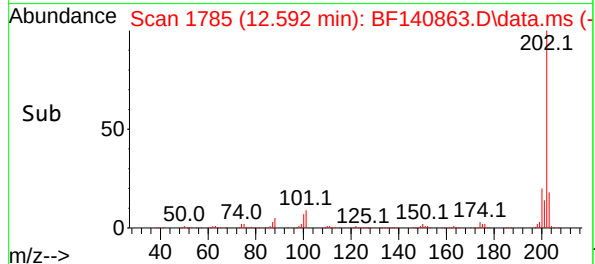
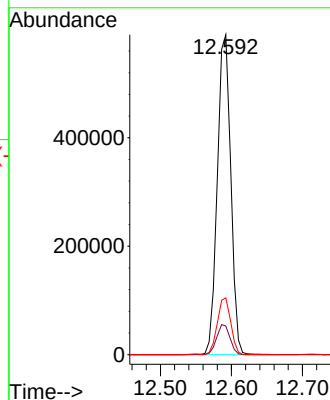
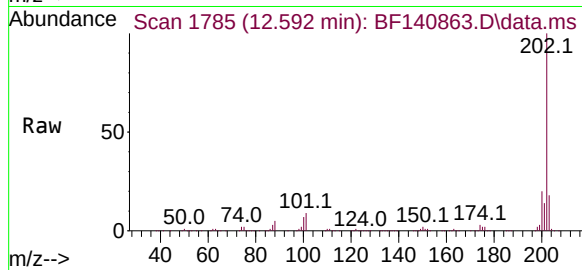




#75
Fluoranthene
Concen: 34.163 ng
RT: 12.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

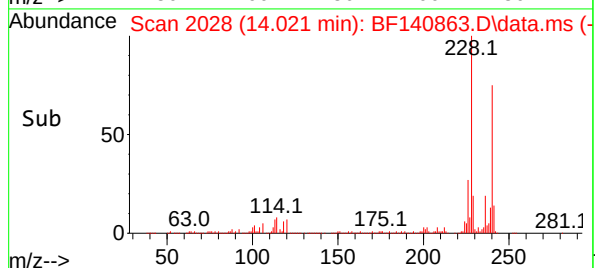
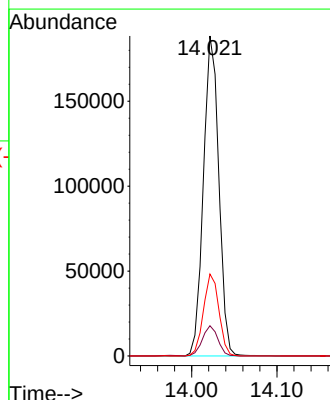
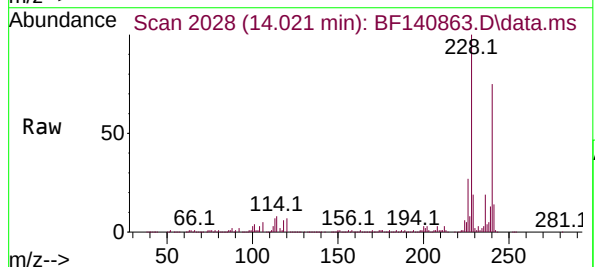
Instrument :
BNA_F
ClientSampleId :
ICVBF121624

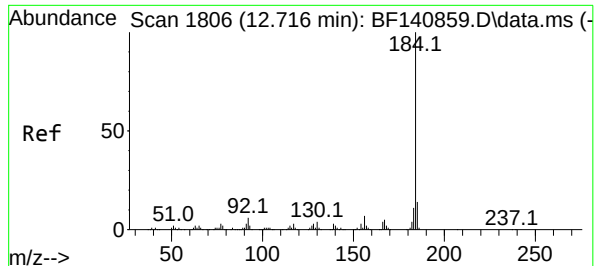
Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.0	0.0	29.3
203	17.7	0.0	37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.021 min Scan# 2028
Delta R.T. -0.012 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.5	7.6	11.4
236	25.6	20.5	30.7

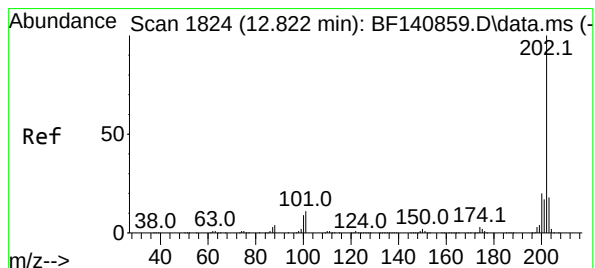
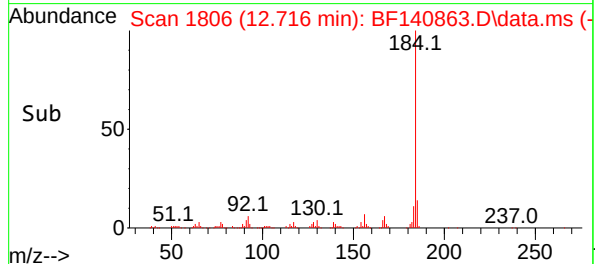
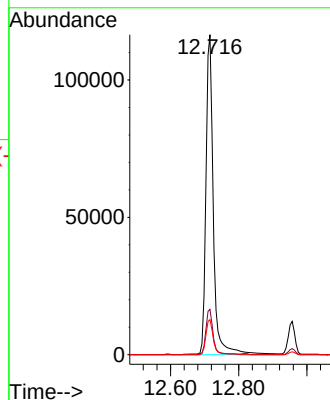
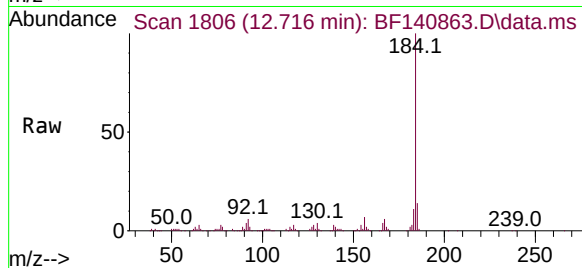




#77
Benzidine
Concen: 36.642 ng
RT: 12.716 min Scan# 1806
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

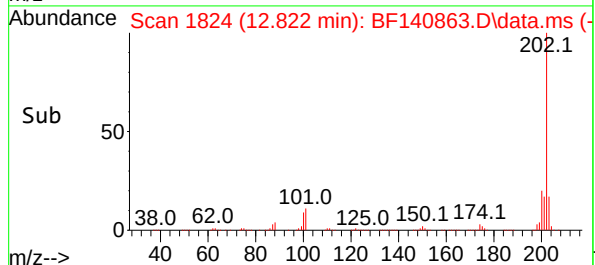
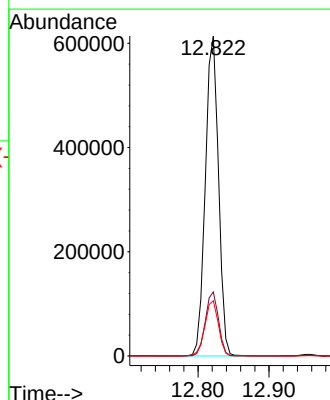
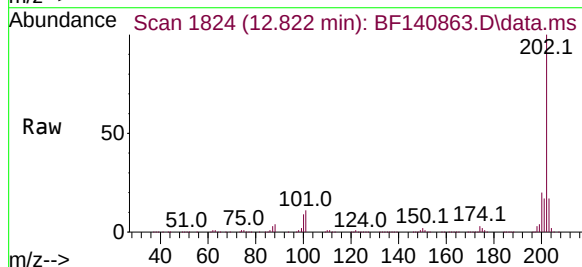
Instrument :
BNA_F
ClientSampleId :
ICVBF121624

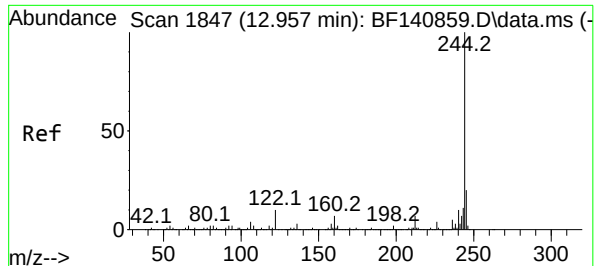
Tgt Ion:184 Resp: 176802
Ion Ratio Lower Upper
184 100
185 14.2 11.1 16.7
183 10.9 9.0 13.4



#78
Pyrene
Concen: 37.714 ng
RT: 12.822 min Scan# 1824
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

Tgt Ion:202 Resp: 792874
Ion Ratio Lower Upper
202 100
200 20.0 16.1 24.1
203 17.3 14.2 21.4

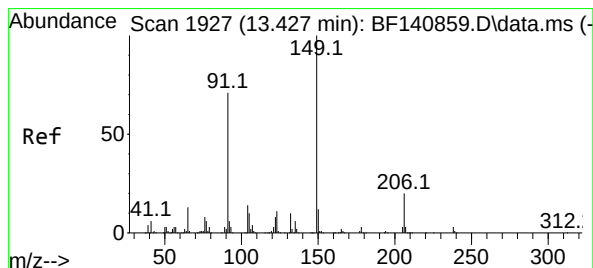
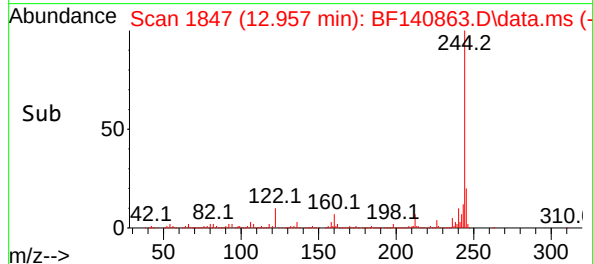
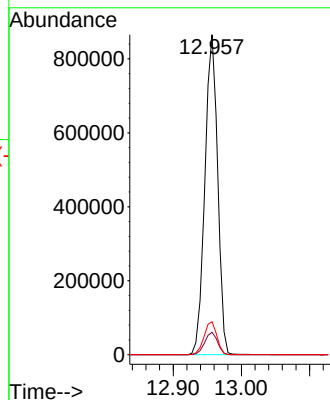
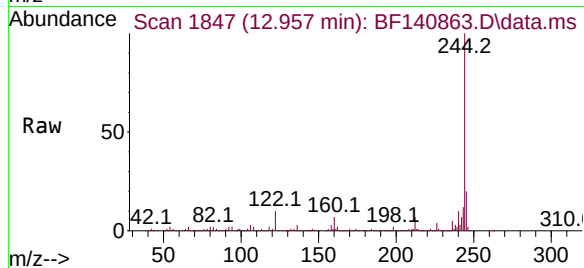




#79
Terphenyl-d14
Concen: 75.108 ng
RT: 12.957 min Scan# 1847
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

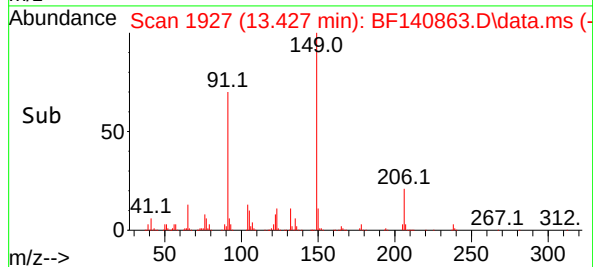
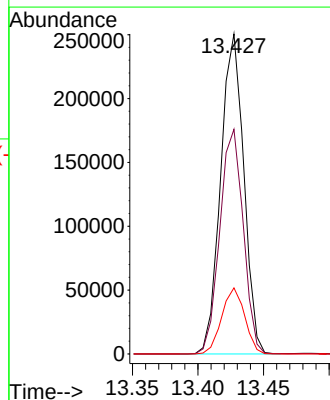
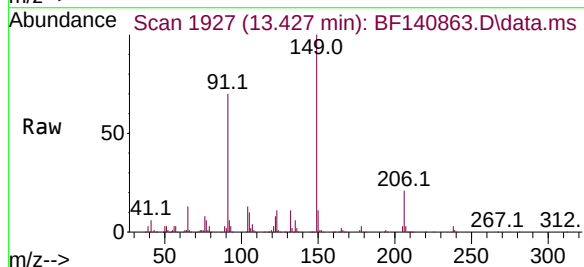
Instrument :
BNA_F
ClientSampleId :
ICVBF121624

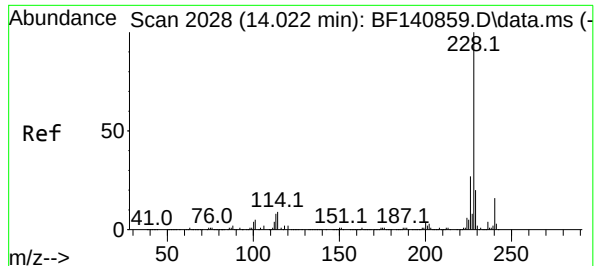
Tgt Ion:244 Resp: 1126061
Ion Ratio Lower Upper
244 100
212 7.0 5.6 8.4
122 10.3 8.2 12.2



#80
Butylbenzylphthalate
Concen: 39.692 ng
RT: 13.427 min Scan# 1927
Delta R.T. -0.000 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

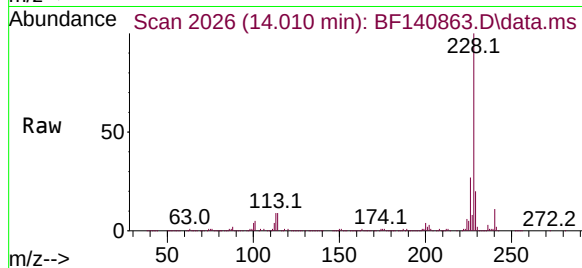
Tgt Ion:149 Resp: 307036
Ion Ratio Lower Upper
149 100
91 70.2 56.7 85.1
206 20.6 16.4 24.6



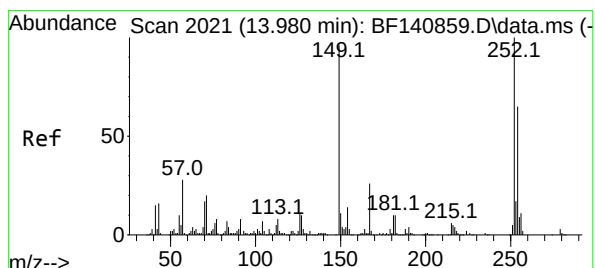
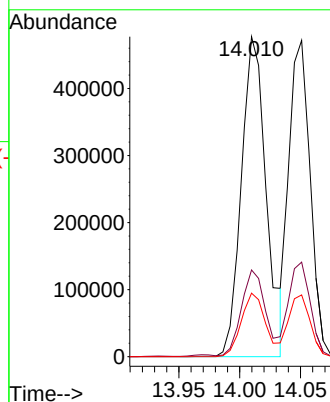
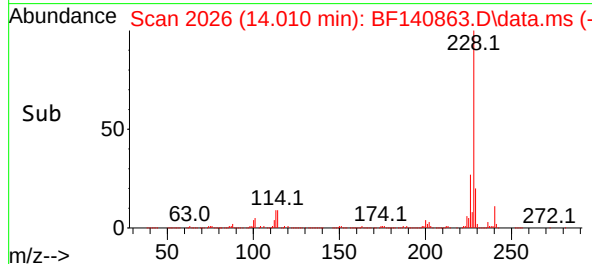


#81
Benzo(a)anthracene
Concen: 40.525 ng
RT: 14.010 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

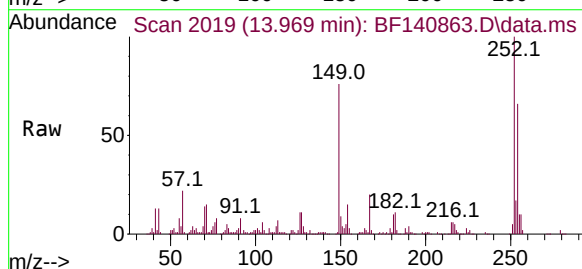
Instrument :
BNA_F
ClientSampleId :
ICVBF121624



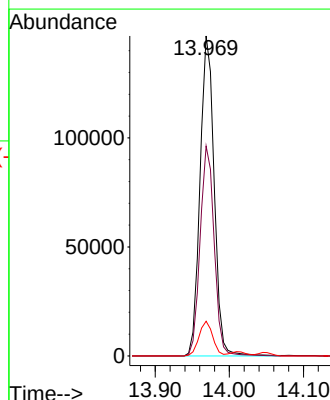
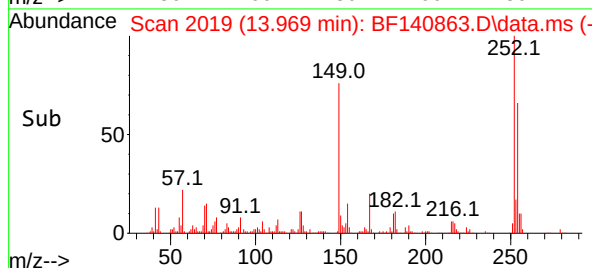
Tgt Ion:228 Resp: 679017
Ion Ratio Lower Upper
228 100
226 27.1 21.8 32.8
229 19.8 15.8 23.8

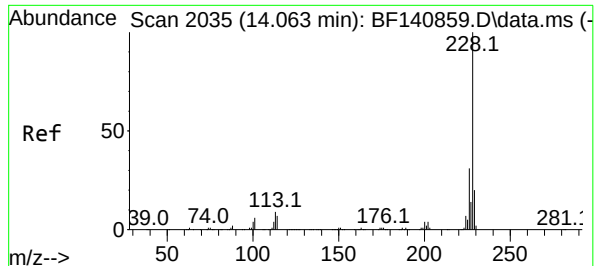


#82
3,3'-Dichlorobenzidine
Concen: 38.459 ng
RT: 13.969 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41



Tgt Ion:252 Resp: 194418
Ion Ratio Lower Upper
252 100
254 65.6 52.3 78.5
126 10.8 8.4 12.6





#83

Chrysene

Concen: 37.695 ng

RT: 14.051 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF140863.D

Acq: 16 Dec 2024 16:41

Instrument :

BNA_F

ClientSampleId :

ICVBF121624

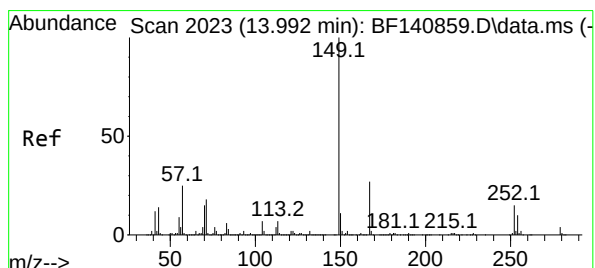
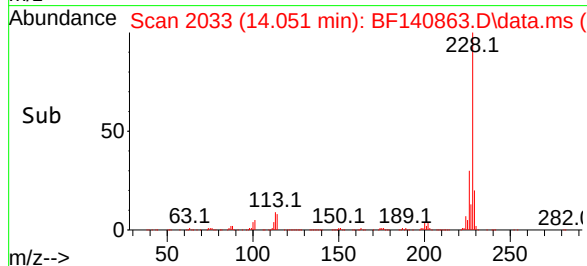
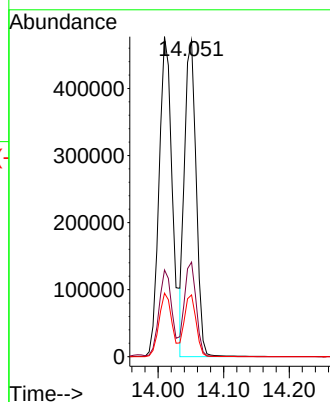
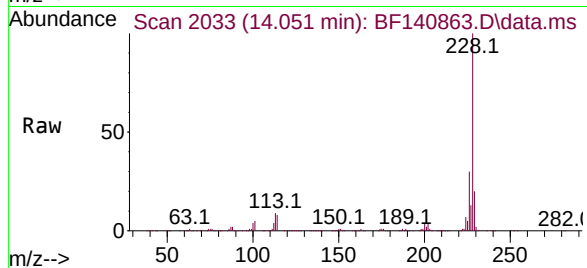
Tgt Ion:228 Resp: 574336

Ion Ratio Lower Upper

228 100

226 29.9 24.1 36.1

229 19.5 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 40.982 ng

RT: 13.980 min Scan# 2021

Delta R.T. -0.012 min

Lab File: BF140863.D

Acq: 16 Dec 2024 16:41

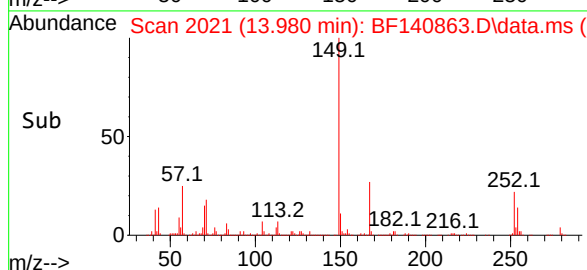
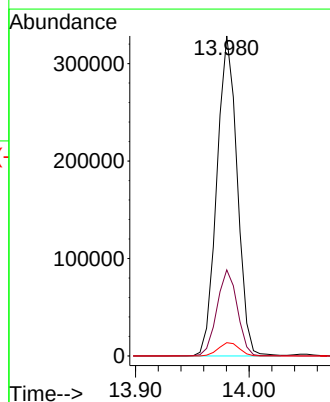
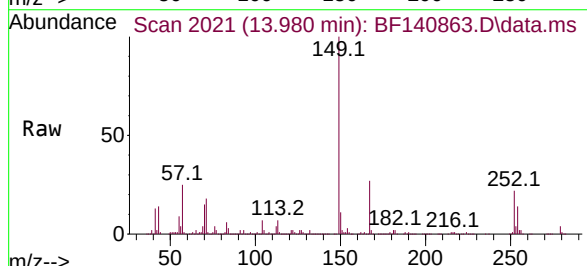
Tgt Ion:149 Resp: 408768

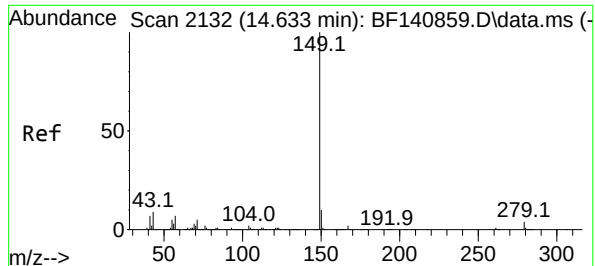
Ion Ratio Lower Upper

149 100

167 26.9 21.8 32.8

279 4.2 3.5 5.3

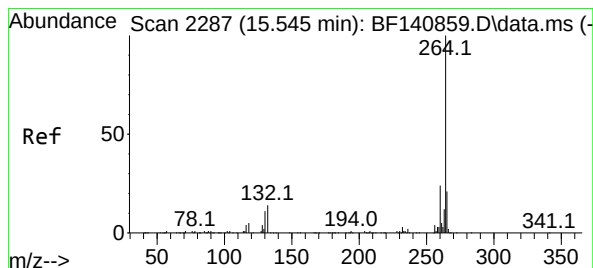
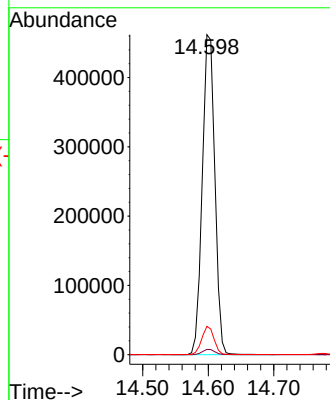
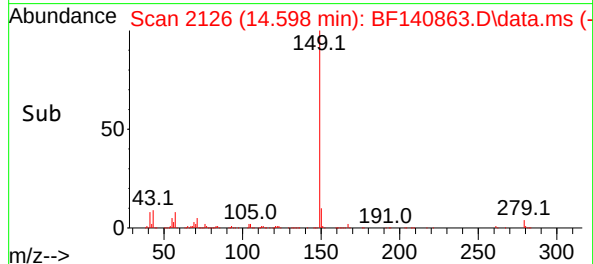
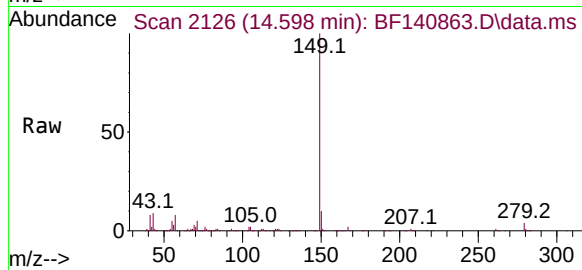




#85
Di-n-octyl phthalate
Concen: 40.907 ng
RT: 14.598 min Scan# 2132
Delta R.T. -0.035 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

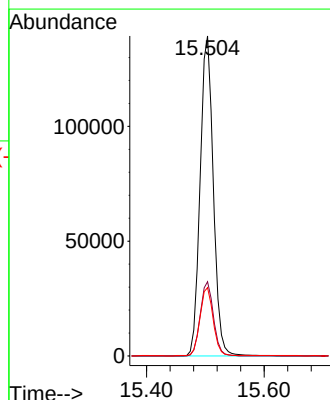
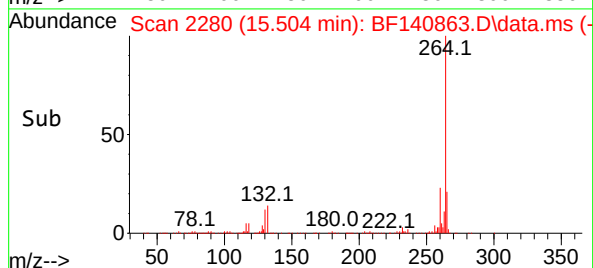
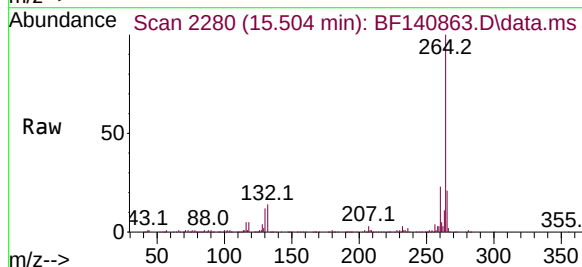
Instrument :
BNA_F
ClientSampleId :
ICVBF121624

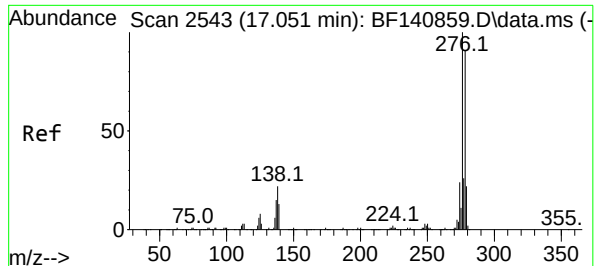
Tgt Ion:149 Resp: 617289
Ion Ratio Lower Upper
149 100
167 1.7 1.3 1.9
43 8.9 7.0 10.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 2280
Delta R.T. -0.041 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

Tgt Ion:264 Resp: 217277
Ion Ratio Lower Upper
264 100
260 23.2 19.1 28.7
265 21.4 17.0 25.4

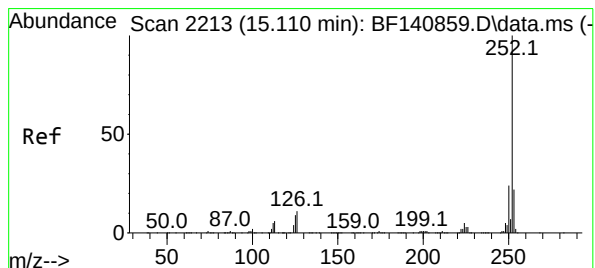
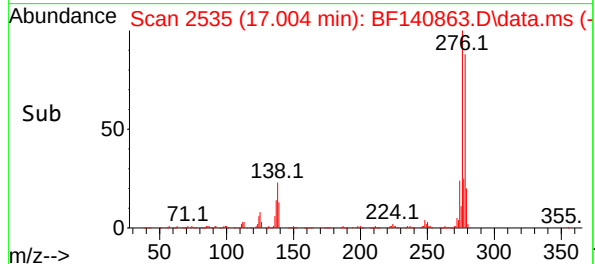
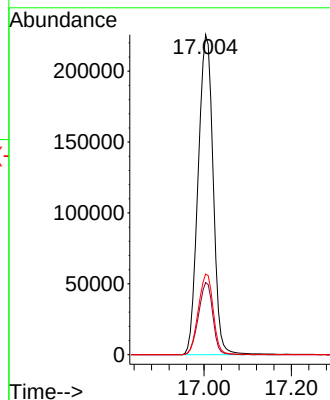
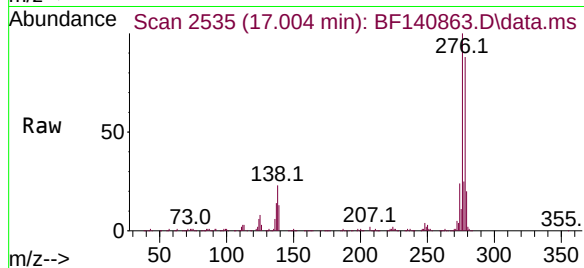




#87
Indeno(1,2,3-cd)pyrene
Concen: 39.762 ng
RT: 17.004 min Scan# 21
Delta R.T. -0.047 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

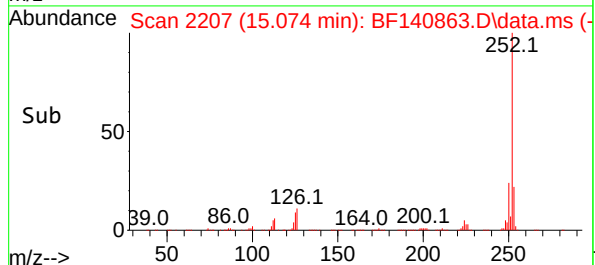
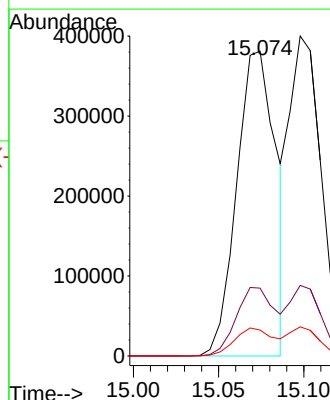
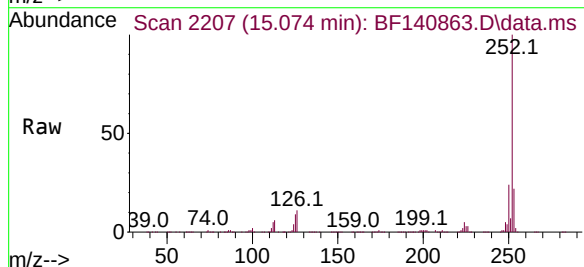
Instrument :
BNA_F
ClientSampleId :
ICVBF121624

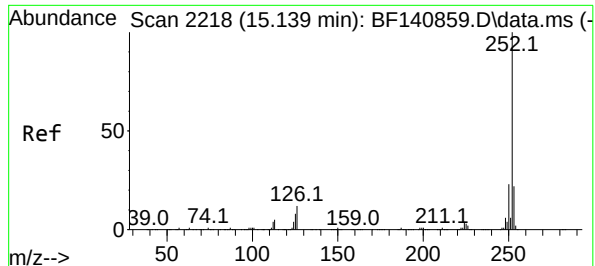
Tgt Ion:276 Resp: 539135
Ion Ratio Lower Upper
276 100
138 21.4 16.9 25.3
277 25.0 20.2 30.4



#88
Benzo(b)fluoranthene
Concen: 40.410 ng
RT: 15.074 min Scan# 2207
Delta R.T. -0.035 min
Lab File: BF140863.D
Acq: 16 Dec 2024 16:41

Tgt Ion:252 Resp: 609480
Ion Ratio Lower Upper
252 100
253 22.2 17.8 26.6
125 8.5 7.0 10.4





#89

Benzo(k)fluoranthene

Concen: 40.601 ng

RT: 15.098 min Scan# 21

Delta R.T. -0.041 min

Lab File: BF140863.D

Acq: 16 Dec 2024 16:41

Instrument :

BNA_F

ClientSampleId :

ICVBF121624

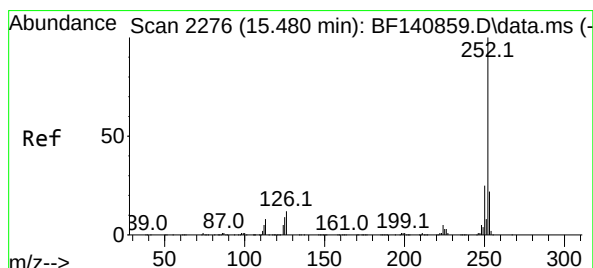
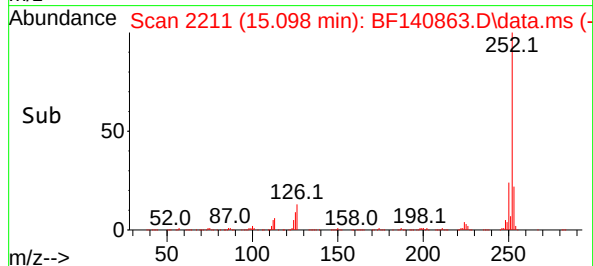
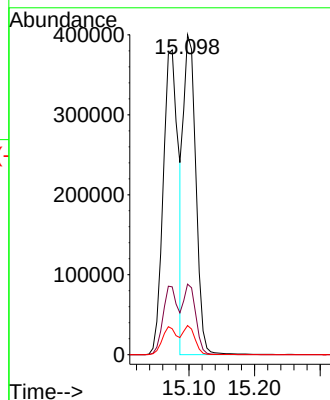
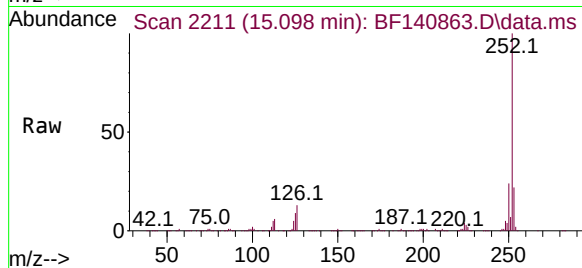
Tgt Ion:252 Resp: 525272

Ion Ratio Lower Upper

252 100

253 22.0 17.5 26.3

125 9.1 6.8 10.2



#90

Benzo(a)pyrene

Concen: 39.873 ng

RT: 15.439 min Scan# 2269

Delta R.T. -0.041 min

Lab File: BF140863.D

Acq: 16 Dec 2024 16:41

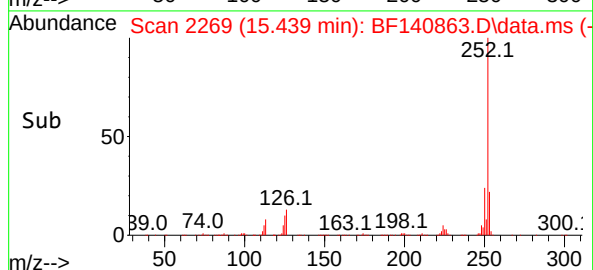
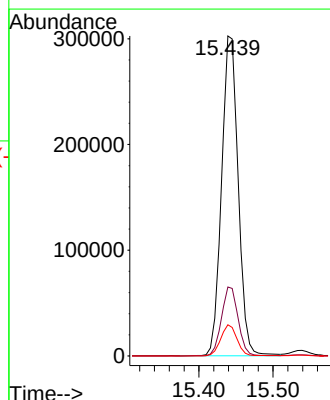
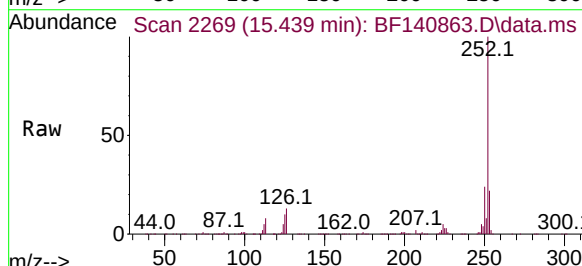
Tgt Ion:252 Resp: 470896

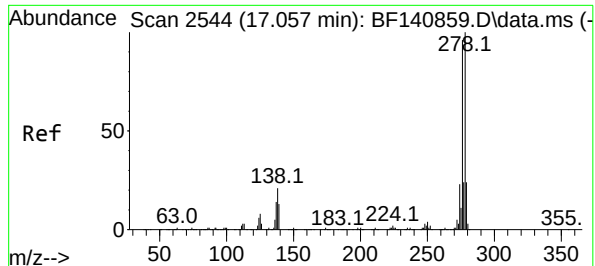
Ion Ratio Lower Upper

252 100

253 21.5 17.5 26.3

125 9.8 7.5 11.3





#91

Dibenzo(a,h)anthracene

Concen: 40.237 ng

RT: 17.009 min Scan# 21

Delta R.T. -0.047 min

Lab File: BF140863.D

Acq: 16 Dec 2024 16:41

Instrument :

BNA_F

ClientSampleId :

ICVBF121624

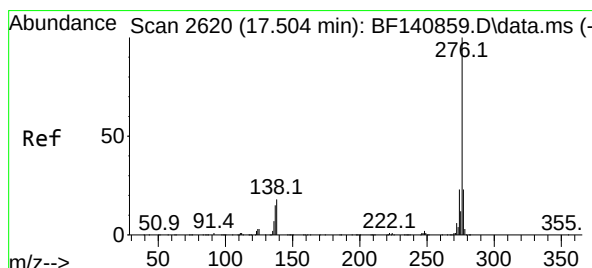
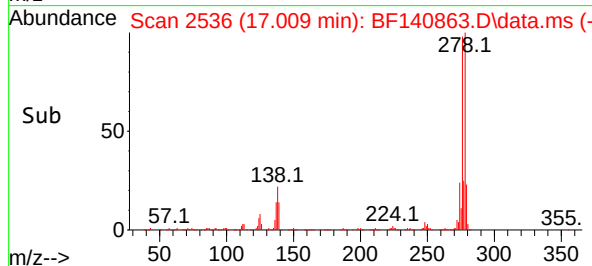
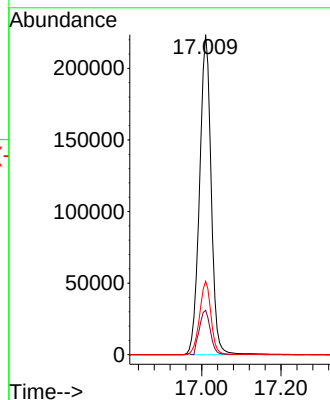
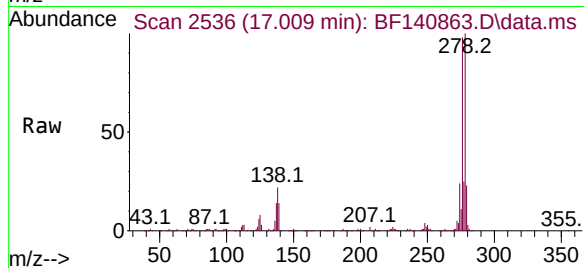
Tgt Ion:278 Resp: 451973

Ion Ratio Lower Upper

278 100

139 13.8 10.6 16.0

279 22.9 19.2 28.8



#92

Benzo(g,h,i)perylene

Concen: 36.565 ng

RT: 17.457 min Scan# 2612

Delta R.T. -0.047 min

Lab File: BF140863.D

Acq: 16 Dec 2024 16:41

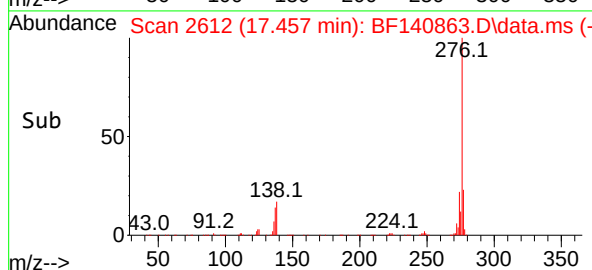
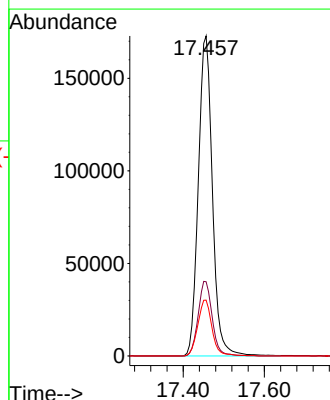
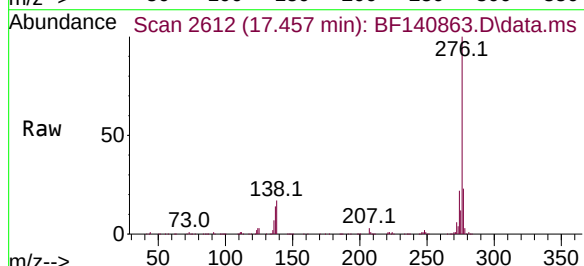
Tgt Ion:276 Resp: 418030

Ion Ratio Lower Upper

276 100

277 23.2 18.7 28.1

138 17.4 14.2 21.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
 Data File : BF140863.D
 Acq On : 16 Dec 2024 16:41
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF121624

Quant Time: Dec 16 17:02:30 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 16 16:59:50 2024
 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	113	0.00
2	1,4-Dioxane	0.523	0.423	19.1	95	-0.02
3	Pyridine	1.212	1.057	12.8	98	-0.02
4	n-Nitrosodimethylamine	0.611	0.519	15.1	97	-0.02
5 S	2-Fluorophenol	1.215	1.157	4.8	109	0.00
6	Aniline	1.376	1.364	0.9	112	0.00
7 S	Phenol-d6	1.609	1.533	4.7	111	0.00
8	2-Chlorophenol	1.325	1.284	3.1	112	0.00
9	Benzaldehyde	0.892	0.903	-1.2	118	0.00
10 C	Phenol	1.668	1.613	3.3	112	0.00
11	bis(2-Chloroethyl)ether	1.244	1.228	1.3	113	0.00
12	1,3-Dichlorobenzene	1.510	1.476	2.3	114	0.00
13 C	1,4-Dichlorobenzene	1.532	1.523	0.6	115	0.00
14	1,2-Dichlorobenzene	1.446	1.429	1.2	113	0.00
15	Benzyl Alcohol	1.151	1.144	0.6	113	0.00
16	2,2'-oxybis(1-Chloropropane	1.465	1.501	-2.5	118	0.00
17	2-Methylphenol	1.058	1.063	-0.5	116	0.00
18	Hexachloroethane	0.570	0.564	1.1	115	0.00
19 P	n-Nitroso-di-n-propylamine	0.965	0.962	0.3	118	0.00
20	3+4-Methylphenols	1.403	1.402	0.1	117	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	123	0.00
22	Acetophenone	0.500	0.457	8.6	114	0.00
23 S	Nitrobenzene-d5	0.400	0.377	5.8	118	0.00
24	Nitrobenzene	0.410	0.387	5.6	119	0.00
25	Isophorone	0.670	0.640	4.5	121	0.00
26 C	2-Nitrophenol	0.189	0.191	-1.1	125	0.00
27	2,4-Dimethylphenol	0.220	0.223	-1.4	125	0.00
28	bis(2-Chloroethoxy)methane	0.418	0.422	-1.0	125	0.00
29 C	2,4-Dichlorophenol	0.304	0.302	0.7	124	0.00
30	1,2,4-Trichlorobenzene	0.349	0.334	4.3	120	0.00
31	Naphthalene	1.099	1.057	3.8	122	0.00
32	Benzoic acid	0.209	0.221	-5.7	129	0.00
33	4-Chloroaniline	0.365	0.343	6.0	117	0.00
34 C	Hexachlorobutadiene	0.235	0.214	8.9	113	0.00
35	Caprolactam	0.091	0.082	9.9	111	0.00
36 C	4-Chloro-3-methylphenol	0.342	0.304	11.1	111	0.00
37	2-Methylnaphthalene	0.727	0.678	6.7	116	0.00
38	1-Methylnaphthalene	0.719	0.664	7.6	116	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	113	0.00
40	1,2,4,5-Tetrachlorobenzene	0.615	0.594	3.4	115	0.00
41 P	Hexachlorocyclopentadiene	0.153	0.132	13.7	105	0.00
42 S	2,4,6-Tribromophenol	0.237	0.200	15.6	94	0.00
43 C	2,4,6-Trichlorophenol	0.376	0.371	1.3	115	0.00
44	2,4,5-Trichlorophenol	0.414	0.413	0.2	117	0.00
45 S	2-Fluorobiphenyl	1.455	1.372	5.7	113	0.00
46	1,1'-Biphenyl	1.590	1.527	4.0	114	0.00
47	2-Chloronaphthalene	1.217	1.111	8.7	107	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
 Data File : BF140863.D
 Acq On : 16 Dec 2024 16:41
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF121624

Quant Time: Dec 16 17:02:30 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 16 16:59:50 2024
 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	0.367	0.349	4.9	110	0.00
49	Acenaphthylene	1.788	1.683	5.9	109	0.00
50	Dimethylphthalate	1.410	1.294	8.2	107	0.00
51	2,6-Dinitrotoluene	0.322	0.303	5.9	109	0.00
52 C	Acenaphthene	1.142	1.093	4.3	111	0.00
53	3-Nitroaniline	0.320	0.318	0.6	113	0.00
54 P	2,4-Dinitrophenol	0.132	0.125	5.3	105	0.00
55	Dibenzofuran	1.770	1.642	7.2	107	0.00
56 P	4-Nitrophenol	0.150	0.157	-4.7	107	0.00
57	2,4-Dinitrotoluene	0.424	0.404	4.7	109	0.00
58	Fluorene	1.460	1.364	6.6	106	0.00
59	2,3,4,6-Tetrachlorophenol	0.337	0.357	-5.9	114	0.00
60	Diethylphthalate	1.462	1.386	5.2	109	0.00
61	4-Chlorophenyl-phenylether	0.733	0.686	6.4	108	0.00
62	4-Nitroaniline	0.334	0.325	2.7	108	0.00
63	Azobenzene	1.375	1.328	3.4	109	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	106	0.00
65	4,6-Dinitro-2-methylphenol	0.113	0.118	-4.4	107	0.00
66 c	n-Nitrosodiphenylamine	0.615	0.610	0.8	108	0.00
67	4-Bromophenyl-phenylether	0.224	0.203	9.4	98	0.00
68	Hexachlorobenzene	0.254	0.235	7.5	101	0.00
69	Atrazine	0.172	0.158	8.1	99	0.00
70 C	Pentachlorophenol	0.093	0.090	3.2	97	0.00
71	Phenanthrene	1.028	0.979	4.8	105	0.00
72	Anthracene	1.013	0.955	5.7	104	0.00
73	Carbazole	0.992	0.803	19.1	89	0.00
74	Di-n-butylphthalate	1.164	0.983	15.5	92	0.00
75 C	Fluoranthene	1.184	1.012	14.5	95	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	98	-0.01
77	Benzydine	0.408	0.374	8.3	91	0.00
78	Pyrene	1.779	1.677	5.7	97	0.00
79 S	Terphenyl-d14	1.268	1.191	6.1	97	0.00
80	Butylbenzylphthalate	0.654	0.649	0.8	99	0.00
81	Benzo(a)anthracene	1.417	1.436	-1.3	104	-0.01
82	3,3'-Dichlorobenzidine	0.428	0.411	4.0	98	-0.01
83	Chrysene	1.289	1.215	5.7	94	-0.01
84	Bis(2-ethylhexyl)phthalate	0.844	0.865	-2.5	103	-0.01
85 c	Di-n-octyl phthalate	1.277	1.306	-2.3	105	-0.04
86 I	Perylene-d12	1.000	1.000	0.0	107	-0.04
87	Indeno(1,2,3-cd)pyrene	1.248	1.241	0.6	105	-0.05
88	Benzo(b)fluoranthene	1.388	1.403	-1.1	116	-0.04
89	Benzo(k)fluoranthene	1.191	1.209	-1.5	106	-0.04
90 C	Benzo(a)pyrene	1.087	1.084	0.3	108	-0.04
91	Dibenzo(a,h)anthracene	1.034	1.040	-0.6	105	-0.05
92	Benzo(g,h,i)perylene	1.052	0.962	8.6	96	-0.05

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
Data File : BF140863.D
Acq On : 16 Dec 2024 16:41
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF121624

Quant Time: Dec 16 17:02:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
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_F\Data\BF121624\
 Data File : BF140863.D
 Acq On : 16 Dec 2024 16:41
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF121624

Quant Time: Dec 16 17:02:30 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 16 16:59:50 2024
 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	113	0.00
2	1,4-Dioxane	40.000	32.360	19.1	95	-0.02
3	Pyridine	40.000	34.882	12.8	98	-0.02
4	n-Nitrosodimethylamine	40.000	33.984	15.0	97	-0.02
5 S	2-Fluorophenol	80.000	76.184	4.8	109	0.00
6	Aniline	40.000	39.644	0.9	112	0.00
7 S	Phenol-d6	80.000	76.229	4.7	111	0.00
8	2-Chlorophenol	40.000	38.761	3.1	112	0.00
9	Benzaldehyde	40.000	40.491	-1.2	118	0.00
10 C	Phenol	40.000	38.683	3.3	112	0.00
11	bis(2-Chloroethyl)ether	40.000	39.504	1.2	113	0.00
12	1,3-Dichlorobenzene	40.000	39.111	2.2	114	0.00
13 C	1,4-Dichlorobenzene	40.000	39.745	0.6	115	0.00
14	1,2-Dichlorobenzene	40.000	39.527	1.2	113	0.00
15	Benzyl Alcohol	40.000	39.782	0.5	113	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	40.970	-2.4	118	0.00
17	2-Methylphenol	40.000	40.189	-0.5	116	0.00
18	Hexachloroethane	40.000	39.568	1.1	115	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	39.861	0.3	118	0.00
20	3+4-Methylphenols	40.000	39.995	0.0	117	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	123	0.00
22	Acetophenone	40.000	36.536	8.7	114	0.00
23 S	Nitrobenzene-d5	80.000	75.408	5.7	118	0.00
24	Nitrobenzene	40.000	37.836	5.4	119	0.00
25	Isophorone	40.000	38.231	4.4	121	0.00
26 C	2-Nitrophenol	40.000	40.407	-1.0	125	0.00
27	2,4-Dimethylphenol	40.000	40.466	-1.2	125	0.00
28	bis(2-Chloroethoxy)methane	40.000	40.334	-0.8	125	0.00
29 C	2,4-Dichlorophenol	40.000	39.658	0.9	124	0.00
30	1,2,4-Trichlorobenzene	40.000	38.332	4.2	120	0.00
31	Naphthalene	40.000	38.473	3.8	122	0.00
32	Benzoic acid	40.000	42.351	-5.9	129	0.00
33	4-Chloroaniline	40.000	37.650	5.9	117	0.00
34 C	Hexachlorobutadiene	40.000	36.462	8.8	113	0.00
35	Caprolactam	40.000	36.113	9.7	111	0.00
36 C	4-Chloro-3-methylphenol	40.000	35.477	11.3	111	0.00
37	2-Methylnaphthalene	40.000	37.337	6.7	116	0.00
38	1-Methylnaphthalene	40.000	36.969	7.6	116	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	113	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	38.668	3.3	115	0.00
41 P	Hexachlorocyclopentadiene	40.000	37.672	5.8	105	0.00
42 S	2,4,6-Tribromophenol	80.000	67.791	15.3	94	0.00
43 C	2,4,6-Trichlorophenol	40.000	39.419	1.5	115	0.00
44	2,4,5-Trichlorophenol	40.000	39.895	0.3	117	0.00
45 S	2-Fluorobiphenyl	80.000	75.432	5.7	113	0.00
46	1,1'-Biphenyl	40.000	38.412	4.0	114	0.00
47	2-Chloronaphthalene	40.000	36.522	8.7	107	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
 Data File : BF140863.D
 Acq On : 16 Dec 2024 16:41
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF121624

Quant Time: Dec 16 17:02:30 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 16 16:59:50 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	37.990	5.0	110	0.00
49	Acenaphthylene	40.000	37.651	5.9	109	0.00
50	Dimethylphthalate	40.000	36.704	8.2	107	0.00
51	2,6-Dinitrotoluene	40.000	37.595	6.0	109	0.00
52 C	Acenaphthene	40.000	38.275	4.3	111	0.00
53	3-Nitroaniline	40.000	39.722	0.7	113	0.00
54 P	2,4-Dinitrophenol	40.000	35.766	10.6	105	0.00
55	Dibenzofuran	40.000	37.113	7.2	107	0.00
56 P	4-Nitrophenol	40.000	38.834	2.9	107	0.00
57	2,4-Dinitrotoluene	40.000	38.076	4.8	109	0.00
58	Fluorene	40.000	37.370	6.6	106	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	42.405	-6.0	114	0.00
60	Diethylphthalate	40.000	37.926	5.2	109	0.00
61	4-Chlorophenyl-phenylether	40.000	37.398	6.5	108	0.00
62	4-Nitroaniline	40.000	38.912	2.7	108	0.00
63	Azobenzene	40.000	38.657	3.4	109	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	106	0.00
65	4,6-Dinitro-2-methylphenol	40.000	41.637	-4.1	107	0.00
66 c	n-Nitrosodiphenylamine	40.000	39.710	0.7	108	0.00
67	4-Bromophenyl-phenylether	40.000	36.329	9.2	98	0.00
68	Hexachlorobenzene	40.000	37.132	7.2	101	0.00
69	Atrazine	40.000	36.838	7.9	99	0.00
70 C	Pentachlorophenol	40.000	38.679	3.3	97	0.00
71	Phenanthrene	40.000	38.078	4.8	105	0.00
72	Anthracene	40.000	37.720	5.7	104	0.00
73	Carbazole	40.000	32.390	19.0	89	0.00
74	Di-n-butylphthalate	40.000	33.782	15.5	92	0.00
75 C	Fluoranthene	40.000	34.163	14.6	95	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	98	-0.01
77	Benzydine	40.000	36.642	8.4	91	0.00
78	Pyrene	40.000	37.714	5.7	97	0.00
79 S	Terphenyl-d14	80.000	75.108	6.1	97	0.00
80	Butylbenzylphthalate	40.000	39.692	0.8	99	0.00
81	Benzo(a)anthracene	40.000	40.525	-1.3	104	-0.01
82	3,3'-Dichlorobenzidine	40.000	38.459	3.9	98	-0.01
83	Chrysene	40.000	37.695	5.8	94	-0.01
84	Bis(2-ethylhexyl)phthalate	40.000	40.982	-2.5	103	-0.01
85 c	Di-n-octyl phthalate	40.000	40.907	-2.3	105	-0.04
86 I	Perylene-d12	20.000	20.000	0.0	107	-0.04
87	Indeno(1,2,3-cd)pyrene	40.000	39.762	0.6	105	-0.05
88	Benzo(b)fluoranthene	40.000	40.410	-1.0	116	-0.04
89	Benzo(k)fluoranthene	40.000	40.601	-1.5	106	-0.04
90 C	Benzo(a)pyrene	40.000	39.873	0.3	108	-0.04
91	Dibenzo(a,h)anthracene	40.000	40.237	-0.6	105	-0.05
92	Benzo(g,h,i)perylene	40.000	36.565	8.6	96	-0.05

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
Data File : BF140863.D
Acq On : 16 Dec 2024 16:41
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF121624

Quant Time: Dec 16 17:02:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P5299 SAS No.: P5299 SDG No.: P5299

Instrument ID: BNA_F Calibration Date(s): 12/26/2024 12/26/2024

Calibration Time(s): 16:23 19:25

LAB FILE ID:		RRF2.5 = BF140970.D			RRF005 = BF140971.D		RRF010 = BF140972.D	
		RRF020 = BF140973.D			RRF040 = BF140974.D		RRF050 = BF140975.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorophenol		1.502	1.422	1.423	1.293	1.258	1.327	9.4
Benzaldehyde			1.193	1.089	0.861	0.792	0.941	20.2
Phenol-d6		1.910	1.839	1.811	1.667	1.625	1.709	8.6
Phenol		1.956	1.880	1.866	1.744	1.683	1.767	8.0
bis(2-Chloroethyl) ether		1.543	1.479	1.449	1.363	1.416	1.427	4.8
2-Chlorophenol		1.556	1.484	1.483	1.386	1.337	1.399	8.2
2-Methylphenol		1.250	1.208	1.226	1.151	1.125	1.162	5.8
2,2-oxybis(1-Chloropropane)		2.420	2.317	2.313	2.112	2.048	2.158	9.0
Acetophenone		0.575	0.535	0.521	0.470	0.459	0.491	11.0
3+4-Methylphenols		1.644	1.624	1.598	1.452	1.387	1.471	10.6
n-Nitroso-di-n-propylamine	1.133	1.140	1.127	1.079	1.008	0.988	1.047	8.0
Nitrobenzene-d5		0.244	0.277	0.321	0.327	0.338	0.313	12.2
Hexachloroethane		0.587	0.573	0.584	0.544	0.538	0.553	5.3
Nitrobenzene		0.288	0.319	0.364	0.367	0.371	0.349	9.5
Isophorone		0.744	0.706	0.714	0.657	0.654	0.680	6.1
2-Nitrophenol		0.067	0.080	0.107	0.127	0.142	0.118	29.3
2,4-Dimethylphenol		0.268	0.255	0.260	0.241	0.241	0.249	5.2
bis(2-Chloroethoxy) methane		0.477	0.462	0.462	0.415	0.412	0.431	8.3
2,4-Dichlorophenol		0.286	0.289	0.295	0.278	0.281	0.282	3.4
Naphthalene		1.209	1.154	1.142	1.020	0.989	1.054	11.0
4-Chloroaniline		0.414	0.398	0.404	0.367	0.368	0.381	6.2
Hexachlorobutadiene		0.208	0.199	0.196	0.182	0.181	0.188	7.1
Caprolactam		0.098	0.095	0.100	0.094	0.094	0.096	2.4
4-Chloro-3-methylphenol		0.330	0.320	0.327	0.309	0.304	0.313	4.2
2-Methylnaphthalene		0.772	0.740	0.732	0.642	0.629	0.674	10.8
Hexachlorocyclopentadiene		0.165	0.176	0.189	0.187	0.189	0.182	5.0
2,4,6-Trichlorophenol		0.354	0.356	0.398	0.364	0.356	0.366	4.6
2-Fluorobiphenyl		1.546	1.452	1.378	1.175	1.129	1.255	16.1
2,4,5-Trichlorophenol		0.371	0.389	0.377	0.380	0.386	0.375	3.2
1,1-Biphenyl		1.776	1.696	1.651	1.479	1.421	1.531	11.6
2-Chloronaphthalene		1.362	1.293	1.270	1.140	1.115	1.188	10.2
2-Nitroaniline		0.139	0.182	0.248	0.288	0.306	0.259	28.5
Dimethylphthalate		1.438	1.414	1.389	1.285	1.246	1.316	7.4
Acenaphthylene		1.934	1.869	1.824	1.654	1.619	1.710	9.8

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PORT06
 Lab Code: CHEM Case No.: P5299 SAS No.: P5299 SDG No.: P5299
 Instrument ID: BNA_F Calibration Date(s): 12/26/2024 12/26/2024
 Calibration Time(s): 16:23 19:25

LAB FILE ID:		RRF2.5 = BF140970.D			RRF005 = BF140971.D		RRF010 = BF140972.D	
		RRF020 = BF140973.D			RRF040 = BF140974.D		RRF050 = BF140975.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2,6-Dinitrotoluene		0.128	0.173	0.233	0.256	0.269	0.231	25.2
3-Nitroaniline		0.153	0.197	0.260	0.281	0.289	0.255	22.6
Acenaphthene		1.289	1.240	1.229	1.119	1.096	1.156	8.4
2,4-Dinitrophenol			0.037	0.053	0.072	0.086	0.075	35.0
4-Nitrophenol			0.166	0.213	0.229	0.237	0.225	14.4
Dibenzofuran		1.857	1.780	1.743	1.565	1.523	1.624	10.5
2,4-Dinitrotoluene		0.136	0.187	0.265	0.310	0.326	0.273	30.1
Diethylphthalate		1.433	1.386	1.369	1.266	1.230	1.299	7.5
4-Chlorophenyl-phenylether		0.700	0.673	0.653	0.579	0.560	0.606	11.3
Fluorene		1.497	1.432	1.351	1.192	1.146	1.260	13.2
4-Nitroaniline		0.156	0.203	0.257	0.278	0.290	0.255	21.7
4,6-Dinitro-2-methylphenol			0.033	0.051	0.066	0.078	0.067	32.7
n-Nitrosodiphenylamine		0.712	0.675	0.668	0.605	0.594	0.630	8.8
2,4,6-Tribromophenol		0.177	0.189	0.203	0.196	0.198	0.194	4.6
4-Bromophenyl-phenylether		0.235	0.229	0.228	0.213	0.212	0.216	7.0
Hexachlorobenzene		0.261	0.247	0.249	0.232	0.231	0.238	6.0
Atrazine		0.218	0.205	0.189	0.156	0.147	0.176	18.5
Pentachlorophenol		0.122	0.137	0.154	0.155	0.156	0.148	9.4
Phenanthrene		1.221	1.168	1.129	1.005	0.982	1.053	11.3
Anthracene		1.187	1.136	1.113	0.991	0.963	1.031	11.0
Carbazole		1.138	1.093	1.076	0.947	0.923	0.992	11.0
Di-n-butylphthalate		1.248	1.238	1.237	1.083	1.054	1.128	9.7
Fluoranthene		1.333	1.274	1.242	1.091	1.050	1.142	12.3
Pyrene		1.754	1.670	1.701	1.692	1.783	1.749	3.6
Terphenyl-d14		1.275	1.181	1.188	1.141	1.194	1.204	3.6
Butylbenzylphthalate		0.532	0.571	0.640	0.656	0.684	0.639	10.1
3,3-Dichlorobenzidine		0.474	0.455	0.455	0.403	0.382	0.419	9.8
Benzo (a) anthracene		1.573	1.452	1.437	1.369	1.340	1.394	7.4
Chrysene		1.341	1.330	1.327	1.208	1.194	1.257	5.7
Bis (2-ethylhexyl) phthalate		0.822	0.842	0.859	0.820	0.827	0.828	2.5
Di-n-octyl phthalate		1.157	1.231	1.253	1.199	1.170	1.199	2.8
Benzo (b) fluoranthene		1.360	1.564	1.479	1.417	1.306	1.395	7.2
Benzo (k) fluoranthene		1.165	1.121	1.301	1.065	1.073	1.093	11.2
Benzo (a) pyrene		1.146	1.108	1.137	1.069	1.047	1.083	4.6
Indeno (1,2,3-cd) pyrene		1.050	1.009	1.224	1.311	1.397	1.260	13.7

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: PORT06
 Lab Code: CHEM Case No.: P5299 SAS No.: P5299 SDG No.: P5299
 Instrument ID: BNA_F Calibration Date(s): 12/26/2024 12/26/2024
 Calibration Time(s): 16:23 19:25

LAB FILE ID:		RRF2.5 = BF140970.D		RRF005 = BF140971.D		RRF010 = BF140972.D		
		RRF020 = BF140973.D		RRF040 = BF140974.D		RRF050 = BF140975.D		
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Dibenzo (a,h) anthracene		0.847	0.829	0.992	1.070	1.127	1.021	13.4
Benzo (g,h,i) perylene		0.825	0.811	1.023	1.126	1.194	1.059	16.9
1,2,4,5-Tetrachlorobenzene		0.602	0.586	0.586	0.535	0.527	0.550	7.5
1,4-Dioxane		0.630	0.621	0.624	0.597	0.587	0.601	4.3
2,3,4,6-Tetrachlorophenol		0.303	0.303	0.327	0.314	0.307	0.310	3.0

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF122624.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri Dec 27 00:31:16 2024
 Response Via : Initial Calibration

Calibration Files

2.5 =BF140970.D 5 =BF140971.D 10 =BF140972.D 20 =BF140973.D 40 =BF140974.D 50 =BF140975.D 60 =BF140976.D 80 =BF140977.D

	Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.630	0.621	0.624	0.597	0.587	0.588	0.559	0.601	4.26	
3)	Pyridine	1.621	1.563	1.581	1.437	1.394	1.372	1.308	1.468	8.18	
4)	n-Nitrosodimet...	0.755	0.738	0.778	0.745	0.742	0.742	0.707	0.744	2.86	
5) S	2-Fluorophenol	1.502	1.422	1.423	1.293	1.258	1.233	1.155	1.327	9.39	
6)	Aniline	1.709	1.702	1.732	1.615	1.480	1.306	1.126	1.524	15.28	
7) S	Phenol-d6	1.910	1.839	1.811	1.667	1.625	1.613	1.500	1.709	8.60	
8)	2-Chlorophenol	1.556	1.484	1.483	1.386	1.337	1.319	1.227	1.399	8.21	
9)	Benzaldehyde		1.193	1.089	0.861	0.792	0.768		0.941	20.16	
10) C	Phenol	1.956	1.880	1.866	1.744	1.683	1.694	1.549	1.767	7.97	
11)	bis(2-Chloroet...	1.543	1.479	1.449	1.363	1.416	1.380	1.358	1.427	4.77	
12)	1,3-Dichlorobe...	1.736	1.665	1.649	1.516	1.462	1.436	1.342	1.544	9.24	
13) C	1,4-Dichlorobe...	1.749	1.690	1.662	1.517	1.477	1.440	1.359	1.556	9.33	
14)	1,2-Dichlorobe...	1.660	1.589	1.562	1.416	1.366	1.328	1.235	1.451	10.72	
15)	Benzyl Alcohol	1.333	1.275	1.298	1.226	1.199	1.172	1.095	1.228	6.63	
16)	2,2'-oxybis(1-...	2.420	2.317	2.313	2.112	2.048	2.016	1.882	2.158	9.04	
17)	2-Methylphenol	1.250	1.208	1.226	1.151	1.125	1.109	1.066	1.162	5.83	
18)	Hexachloroethane	0.587	0.573	0.584	0.544	0.538	0.537	0.508	0.553	5.30	
19) P	n-Nitroso-di-n...	1.133	1.140	1.127	1.079	1.008	0.988	0.983	0.918	1.047	8.01
20)	3+4-Methylphenols	1.644	1.624	1.598	1.452	1.387	1.354	1.235	1.471	10.61	
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.575	0.535	0.521	0.470	0.459	0.454	0.421	0.491	11.02	
23) S	Nitrobenzene-d5	0.244	0.277	0.321	0.327	0.338	0.349	0.333	0.313	12.18	
24)	Nitrobenzene	0.288	0.319	0.364	0.367	0.371	0.379	0.358	0.349	9.54	
25)	Isophorone	0.744	0.706	0.714	0.657	0.654	0.659	0.628	0.680	6.09	
26) C	2-Nitrophenol	0.067	0.080	0.107	0.127	0.142	0.151	0.152	0.118	29.26	
27)	2,4-Dimethylph...	0.268	0.255	0.260	0.241	0.241	0.244	0.230	0.249	5.21	
28)	bis(2-Chloroet...	0.477	0.462	0.462	0.415	0.412	0.405	0.384	0.431	8.27	
29) C	2,4-Dichloroph...	0.286	0.289	0.295	0.278	0.281	0.281	0.264	0.282	3.41	
30)	1,2,4-Trichlor...	0.354	0.335	0.337	0.312	0.304	0.306	0.286	0.319	7.39	
31)	Naphthalene	1.209	1.154	1.142	1.020	0.989	0.971	0.892	1.054	10.96	
32)	Benzoic acid		0.099	0.152	0.178	0.198	0.221	0.222	0.178	26.55	
33)	4-Chloroaniline	0.414	0.398	0.404	0.367	0.368	0.367	0.351	0.381	6.20	
34) C	Hexachlorobuta...	0.208	0.199	0.196	0.182	0.181	0.182	0.170	0.188	7.08	
35)	Caprolactam	0.098	0.095	0.100	0.094	0.094	0.095	0.094	0.096	2.37	
36) C	4-Chloro-3-met...	0.330	0.320	0.327	0.309	0.304	0.309	0.293	0.313	4.24	
37)	2-Methylnaphth...	0.772	0.740	0.732	0.642	0.629	0.623	0.581	0.674	10.77	
38)	1-Methylnaphth...	0.767	0.722	0.710	0.635	0.618	0.615	0.571	0.663	10.71	

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF122624.M

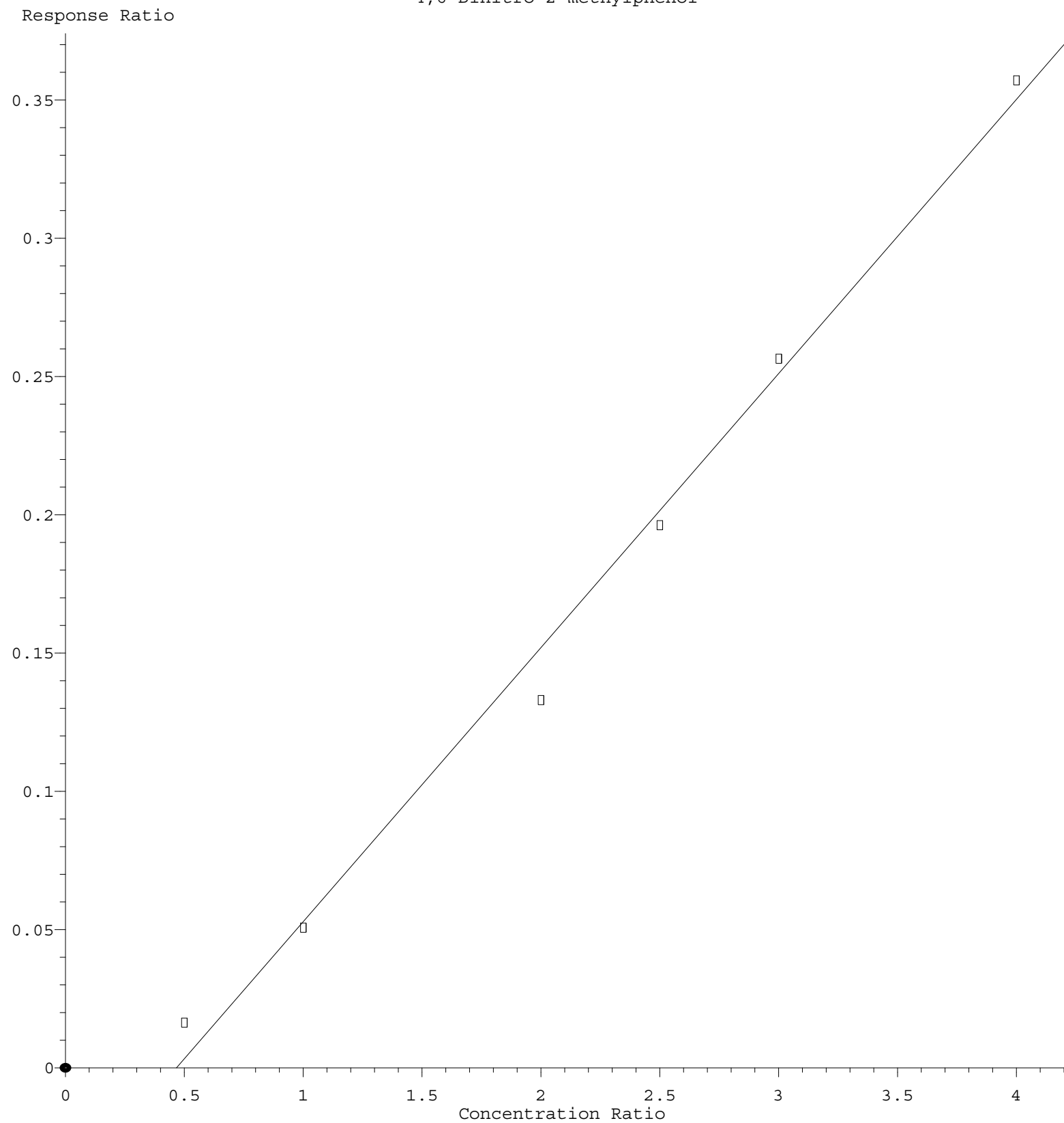
39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.602	0.586	0.586	0.535	0.527	0.526	0.491	0.550	7.46	
41) P	Hexachlorocycl...	0.165	0.176	0.189	0.187	0.189	0.190	0.180	0.182	5.03	
42) S	2,4,6-Tribromo...	0.177	0.189	0.203	0.196	0.198	0.199	0.199	0.194	4.59	
43) C	2,4,6-Trichlor...	0.354	0.356	0.398	0.364	0.356	0.381	0.354	0.366	4.59	
44)	2,4,5-Trichlor...	0.371	0.389	0.377	0.380	0.386	0.365	0.355	0.375	3.15	
45) S	2-Fluorobiphenyl	1.546	1.452	1.378	1.175	1.129	1.102	1.006	1.255	16.12	
46)	1,1'-Biphenyl	1.776	1.696	1.651	1.479	1.421	1.406	1.291	1.531	11.60	
47)	2-Chloronaphth...	1.362	1.293	1.270	1.140	1.115	1.104	1.031	1.188	10.15	
48)	2-Nitroaniline	0.139	0.182	0.248	0.288	0.306	0.329	0.325	0.259	28.48	
49)	Acenaphthylene	1.934	1.869	1.824	1.654	1.619	1.590	1.477	1.710	9.80	
50)	Dimethylphthalate	1.438	1.414	1.389	1.285	1.246	1.251	1.186	1.316	7.39	
51)	2,6-Dinitrotol...	0.128	0.173	0.233	0.256	0.269	0.279	0.276	0.231	25.17	
52) C	Acenaphthene	1.289	1.240	1.229	1.119	1.096	1.091	1.027	1.156	8.36	
53)	3-Nitroaniline	0.153	0.197	0.260	0.281	0.289	0.304	0.299	0.255	22.59	
54) P	2,4-Dinitrophenol		0.037	0.053	0.072	0.086	0.098	0.105	0.075	35.03	
55)	Dibenzofuran	1.857	1.780	1.743	1.565	1.523	1.513	1.389	1.624	10.47	
56) P	4-Nitrophenol		0.166	0.213	0.229	0.237	0.253	0.251	0.225	14.45	
57)	2,4-Dinitrotol...	0.136	0.187	0.265	0.310	0.326	0.347	0.340	0.273	30.14	
58)	Fluorene	1.497	1.432	1.351	1.192	1.146	1.135	1.065	1.260	13.19	
59)	2,3,4,6-Tetrac...	0.303	0.303	0.327	0.314	0.307	0.316	0.302	0.310	3.01	
60)	Diethylphthalate	1.433	1.386	1.369	1.266	1.230	1.232	1.175	1.299	7.47	
61)	4-Chlorophenyl...	0.700	0.673	0.653	0.579	0.560	0.557	0.521	0.606	11.29	
62)	4-Nitroaniline	0.156	0.203	0.257	0.278	0.290	0.301	0.301	0.255	21.73	
63)	Azobenzene	1.502	1.465	1.448	1.319	1.295	1.293	1.220	1.363	7.85	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...		0.033	0.051	0.066	0.078	0.085	0.089	0.067	32.70	
66) c	n-Nitrosodiphe...	0.712	0.675	0.668	0.605	0.594	0.595	0.558	0.630	8.83	
67)	4-Bromophenyl-...	0.235	0.229	0.228	0.213	0.212	0.199	0.197	0.216	7.03	
68)	Hexachlorobenzene	0.261	0.247	0.249	0.232	0.231	0.229	0.220	0.238	5.96	
69)	Atrazine	0.218	0.205	0.189	0.156	0.147	0.140		0.176	18.49	
70) C	Pentachlorophenol	0.122	0.137	0.154	0.155	0.156	0.161	0.154	0.148	9.37	
71)	Phenanthrene	1.221	1.168	1.129	1.005	0.982	0.958	0.907	1.053	11.29	
72)	Anthracene	1.187	1.136	1.113	0.991	0.963	0.945	0.884	1.031	11.01	
73)	Carbazole	1.138	1.093	1.076	0.947	0.923	0.907	0.857	0.992	10.97	
74)	Di-n-butylphth...	1.248	1.238	1.237	1.083	1.054	1.044	0.990	1.128	9.70	
75) C	Fluoranthene	1.333	1.274	1.242	1.091	1.050	1.035	0.966	1.142	12.26	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.422	0.333	0.437	0.415	0.438	0.512	0.402	0.423	12.62	
78)	Pyrene	1.754	1.670	1.701	1.692	1.783	1.841	1.803	1.749	3.63	
79) S	Terphenyl-d14	1.275	1.181	1.188	1.141	1.194	1.240	1.209	1.204	3.59	
80)	Butylbenzylpht...	0.532	0.571	0.640	0.656	0.684	0.710	0.679	0.639	10.11	
81)	Benzo(a)anthra...	1.573	1.452	1.437	1.369	1.340	1.335	1.251	1.394	7.44	
82)	3,3'-Dichlorob...	0.474	0.455	0.455	0.403	0.382	0.386	0.377	0.419	9.76	
83)	Chrysene	1.341	1.330	1.327	1.208	1.194	1.207	1.190	1.257	5.68	
84)	Bis(2-ethylhex...	0.822	0.842	0.859	0.820	0.827	0.837	0.793	0.828	2.49	
85) c	Di-n-octyl pht...	1.157	1.231	1.253	1.199	1.170	1.193	1.191	1.199	2.76	

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF122624.M

86) I	Perylene-d12	-----ISTD-----									
87)	Indeno(1,2,3-c...	1.050	1.009	1.224	1.311	1.397	1.438	1.391	1.260	13.71	
88)	Benzo(b)fluora...	1.360	1.564	1.479	1.417	1.306	1.362	1.275	1.395	7.20	
89)	Benzo(k)fluora...	1.165	1.121	1.301	1.065	1.073	1.016	0.911	1.093	11.17	
90) C	Benzo(a)pyrene	1.146	1.108	1.137	1.069	1.047	1.065	1.007	1.083	4.63	
91)	Dibenzo(a,h)an...	0.847	0.829	0.992	1.070	1.127	1.165	1.120	1.021	13.38	
92)	Benzo(g,h,i)pe...	0.825	0.811	1.023	1.126	1.194	1.243	1.194	1.059	16.91	

(#) = Out of Range

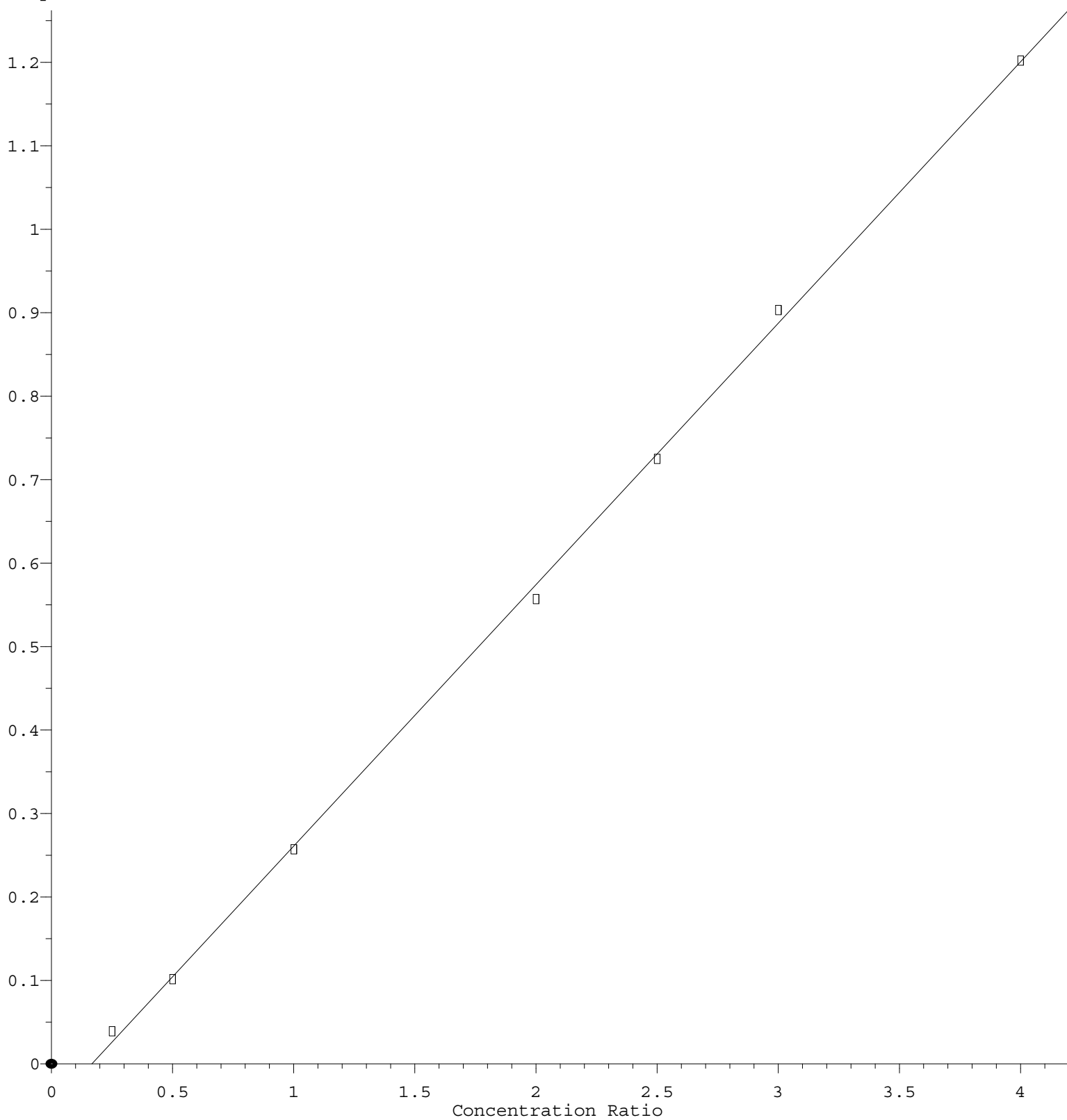
4,6-Dinitro-2-methylphenol



Response = $9.902 \times 10^{-2} \times \text{Amt} - 4.626 \times 10^{-2}$
 Coef of Det (r^2) = 0.992245 Curve Fit: Linear
 Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF122624.M
 Calibration Table Last Updated: Fri Dec 27 00:31:16 2024

4-Nitroaniline

Response Ratio



$$\text{Response} = 3.133\text{e-}001 * \text{Amt} - 5.242\text{e-}002$$

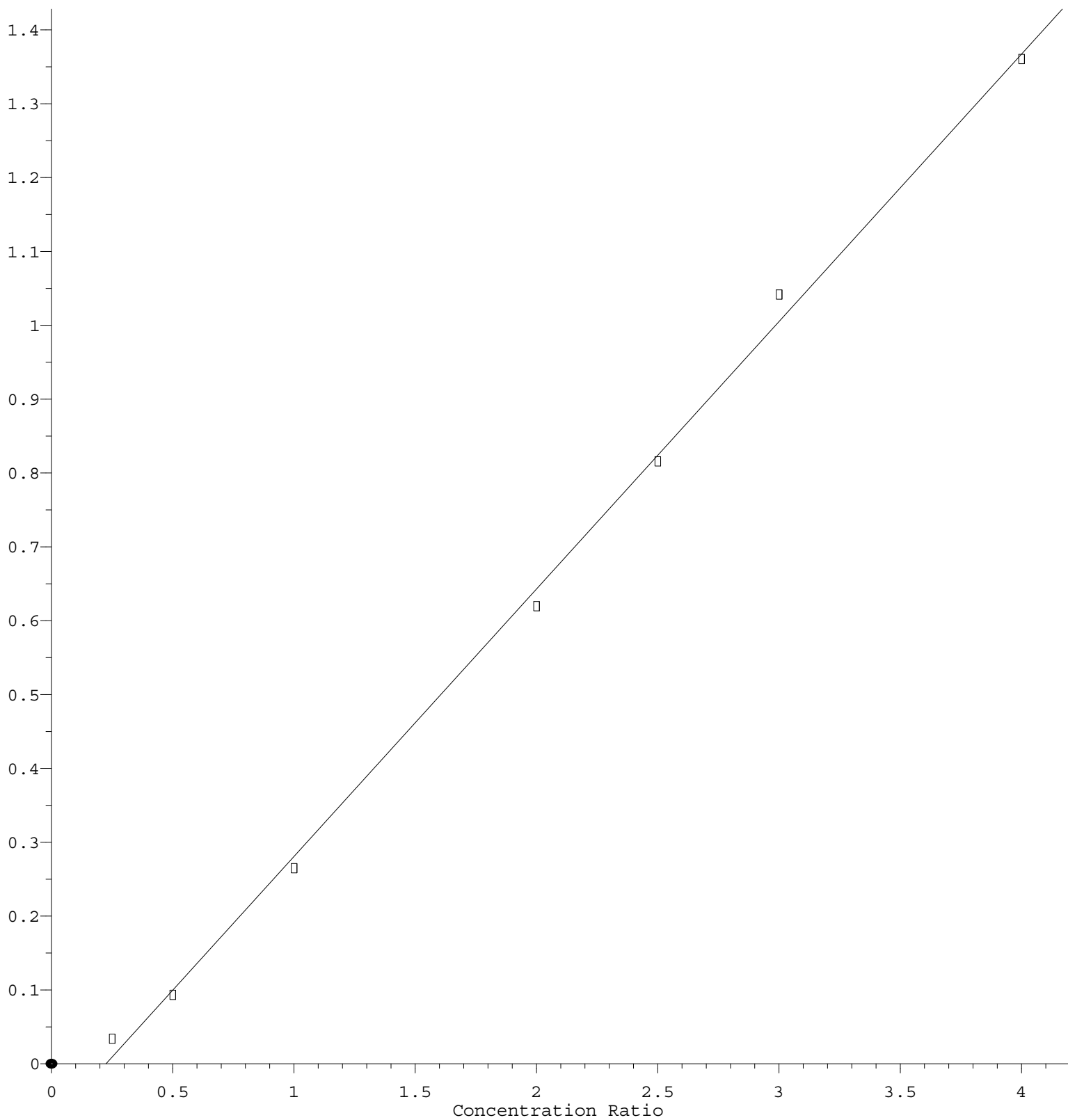
Coef of Det (r^2) = 0.999312 Curve Fit: Linear

Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF122624.M

Calibration Table Last Updated: Fri Dec 27 00:31:16 2024

2,4-Dinitrotoluene

Response Ratio



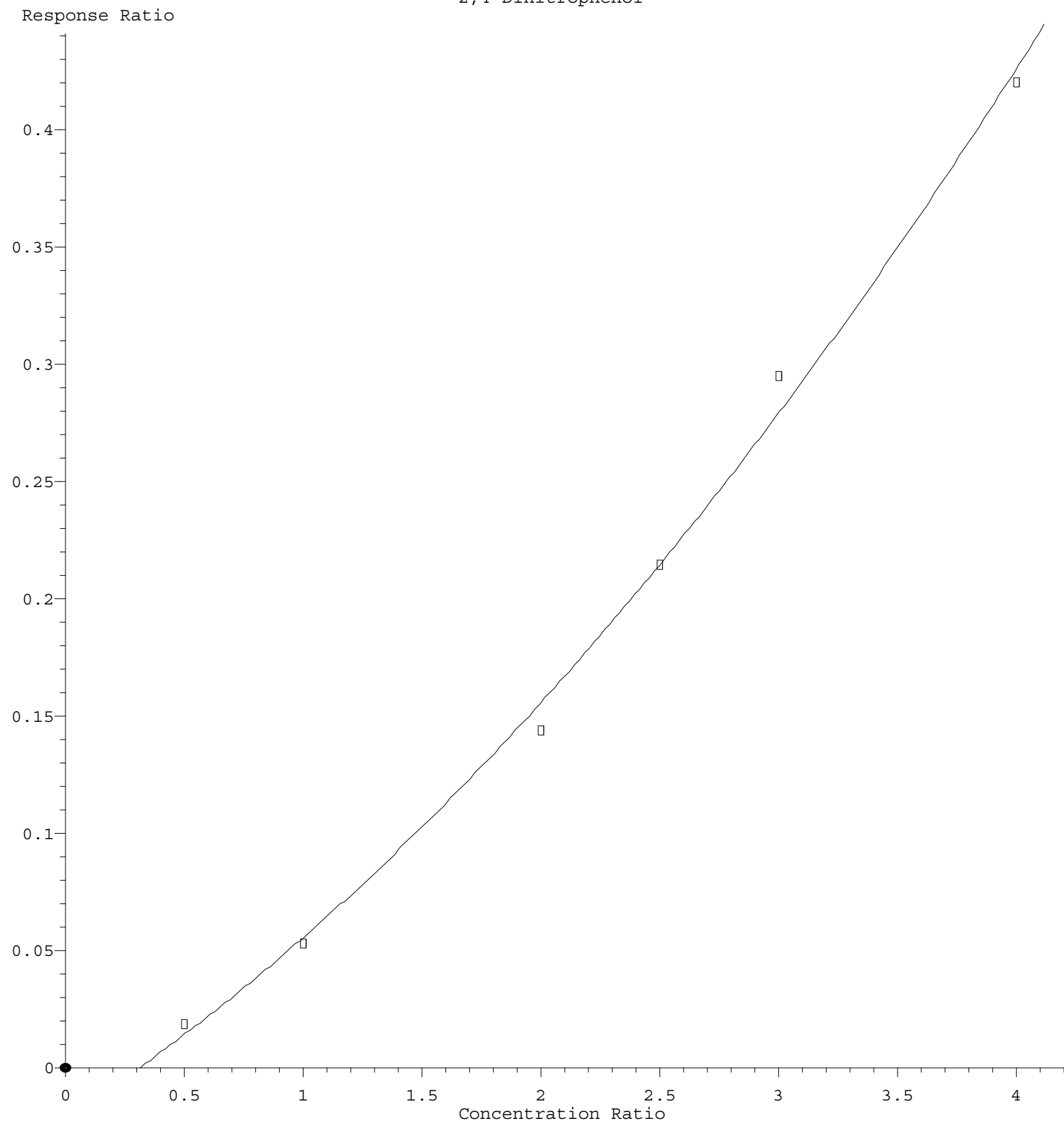
$$\text{Response} = 3.623\text{e-}001 * \text{Amt} - 8.150\text{e-}002$$

Coef of Det (r^2) = 0.998082 Curve Fit: Linear

Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF122624.M

Calibration Table Last Updated: Fri Dec 27 00:31:16 2024

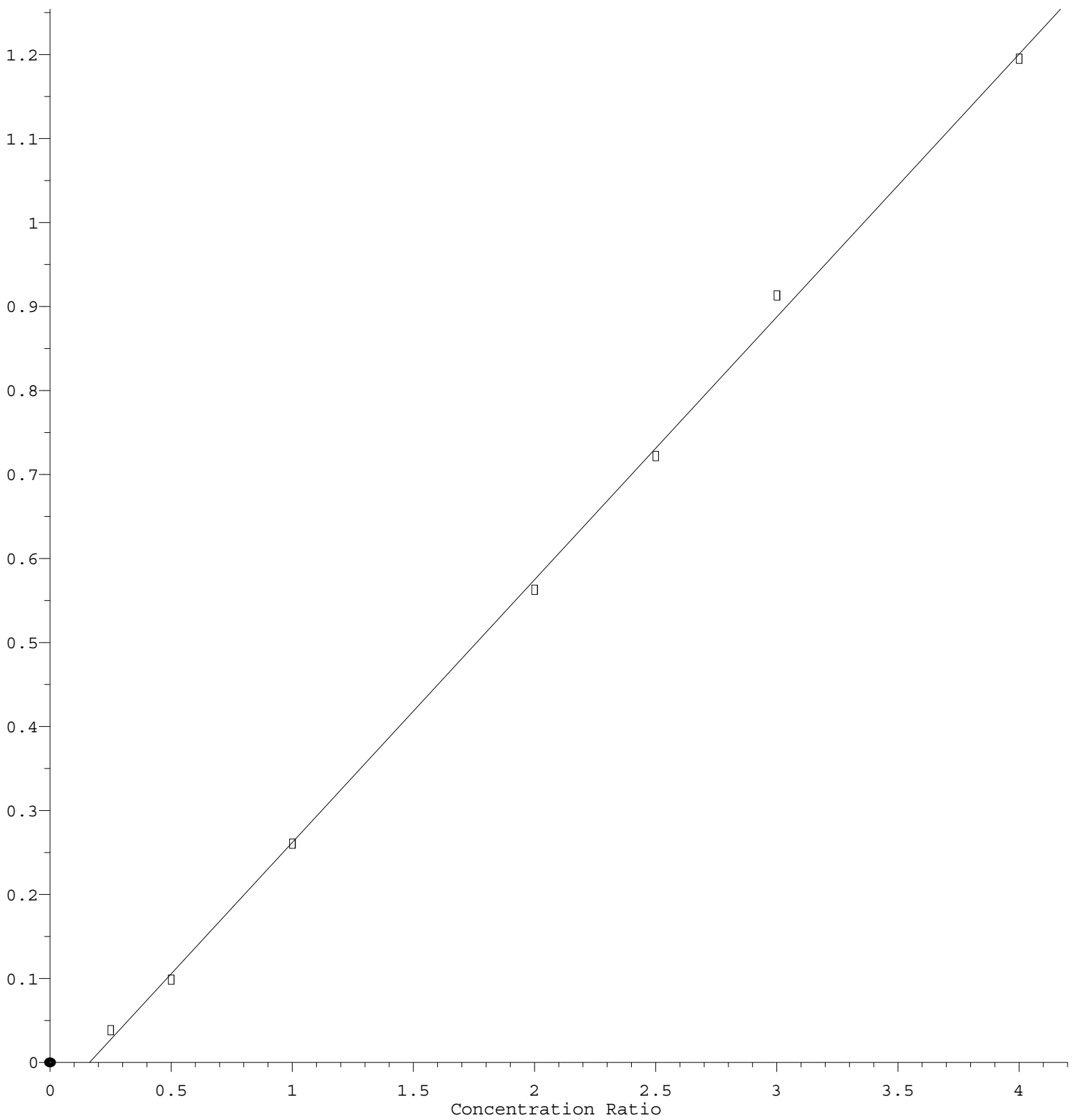
2,4-Dinitrophenol



$R = 1.166e-002 A^2 + 6.517e-002 A - 2.128e-002$
 Coef of Det (r^2) = 0.996078 Curve Fit: Quadratic
 Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF122624.M
 Calibration Table Last Updated: Fri Dec 27 00:31:16 2024

3-Nitroaniline

Response Ratio



$$\text{Response} = 3.131\text{e-}001 * \text{Amt} - 5.110\text{e-}002$$

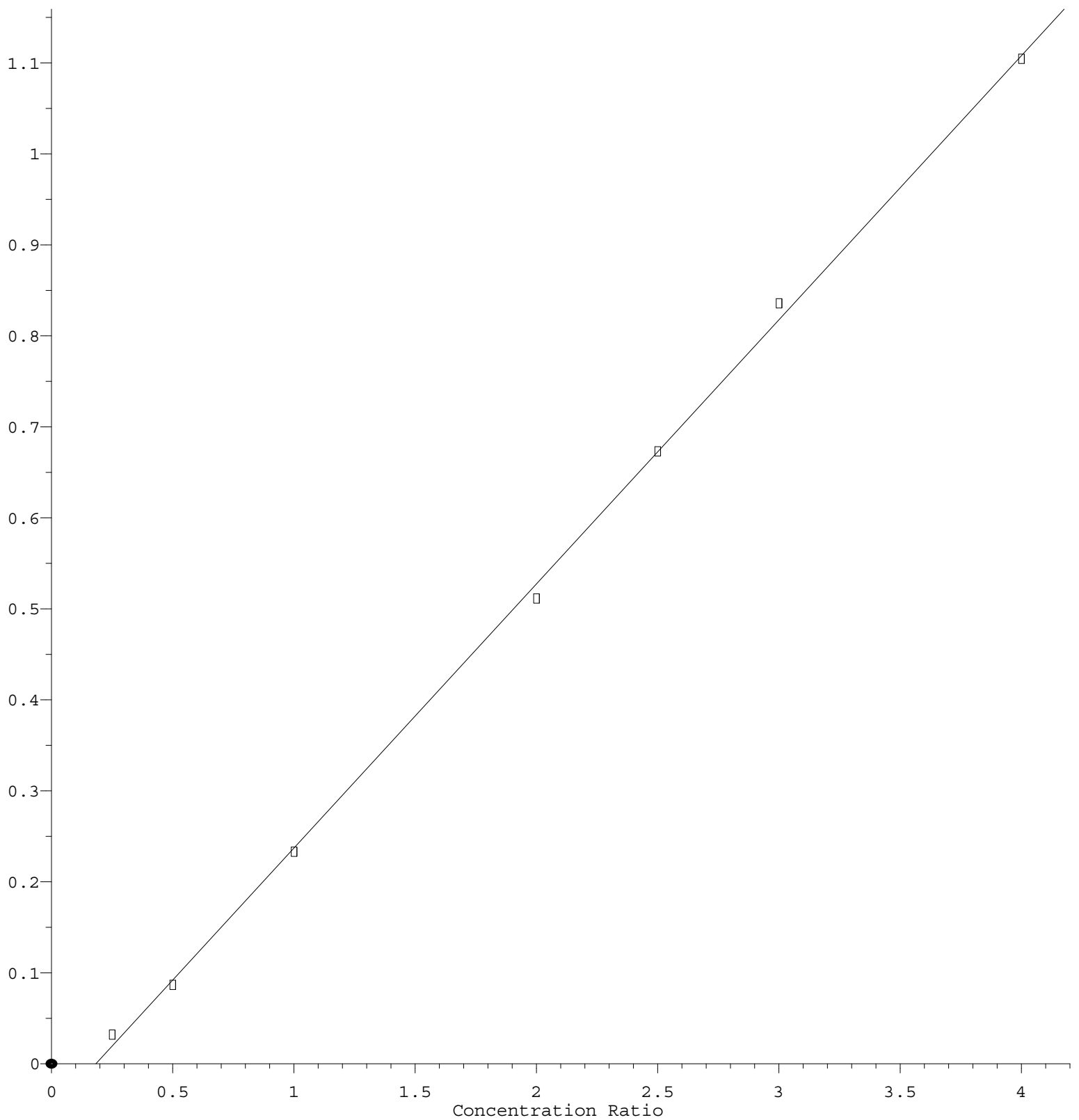
Coef of Det (r^2) = 0.999042 Curve Fit: Linear

Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF122624.M

Calibration Table Last Updated: Fri Dec 27 00:31:16 2024

2,6-Dinitrotoluene

Response Ratio



$$\text{Response} = 2.904\text{e-}001 * \text{Amt} - 5.306\text{e-}002$$

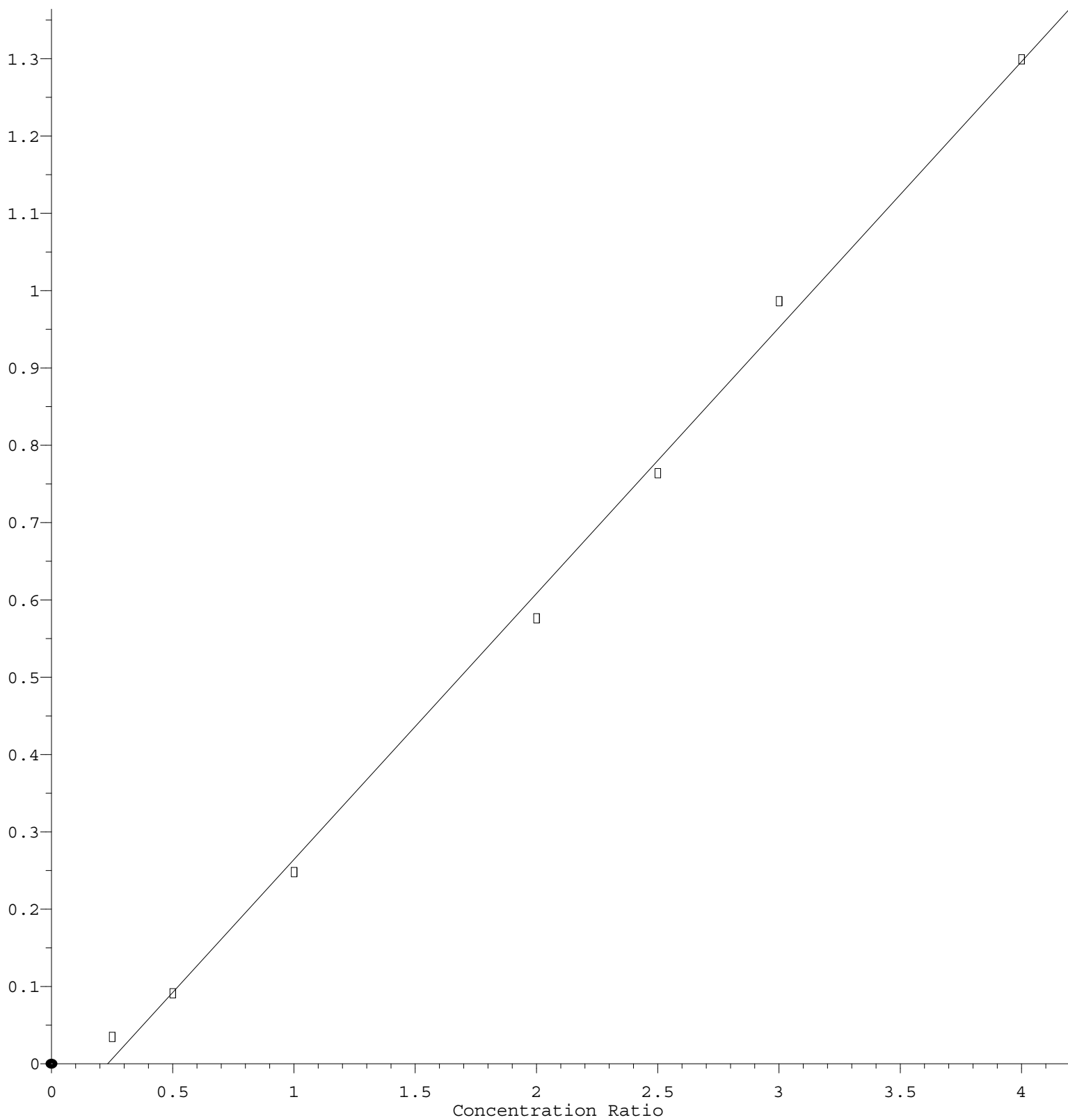
Coef of Det (r^2) = 0.999176 Curve Fit: Linear

Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF122624.M

Calibration Table Last Updated: Fri Dec 27 00:31:16 2024

2-Nitroaniline

Response Ratio



$$\text{Response} = 3.440\text{e-}001 * \text{Amt} - 7.987\text{e-}002$$

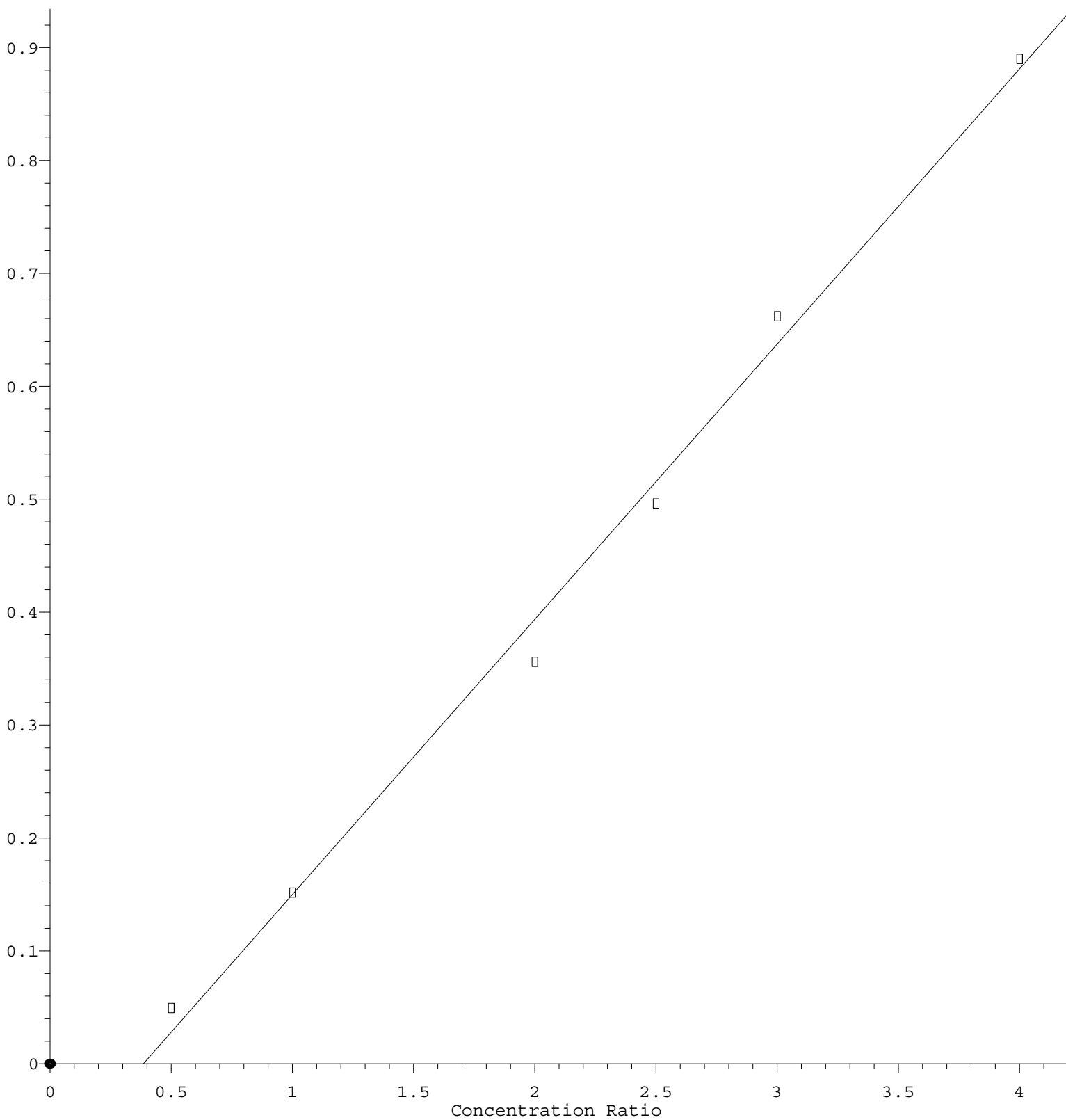
Coef of Det (r^2) = 0.997398 Curve Fit: Linear

Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF122624.M

Calibration Table Last Updated: Fri Dec 27 00:31:16 2024

Benzoic acid

Response Ratio



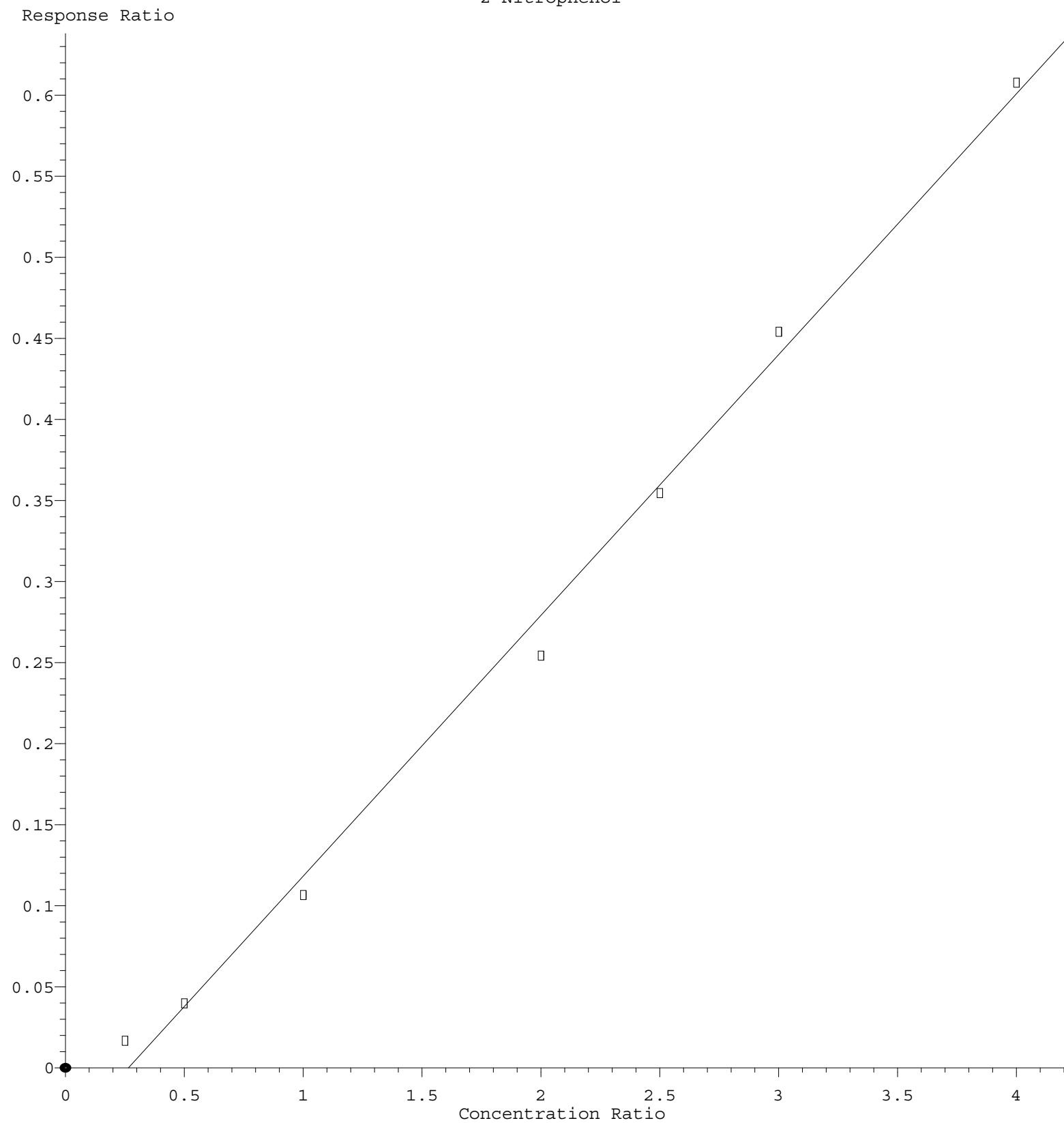
$$\text{Response} = 2.436\text{e-}001 * \text{Amt} - 9.371\text{e-}002$$

Coef of Det (r^2) = 0.994097 Curve Fit: Linear

Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF122624.M

Calibration Table Last Updated: Fri Dec 27 00:31:16 2024

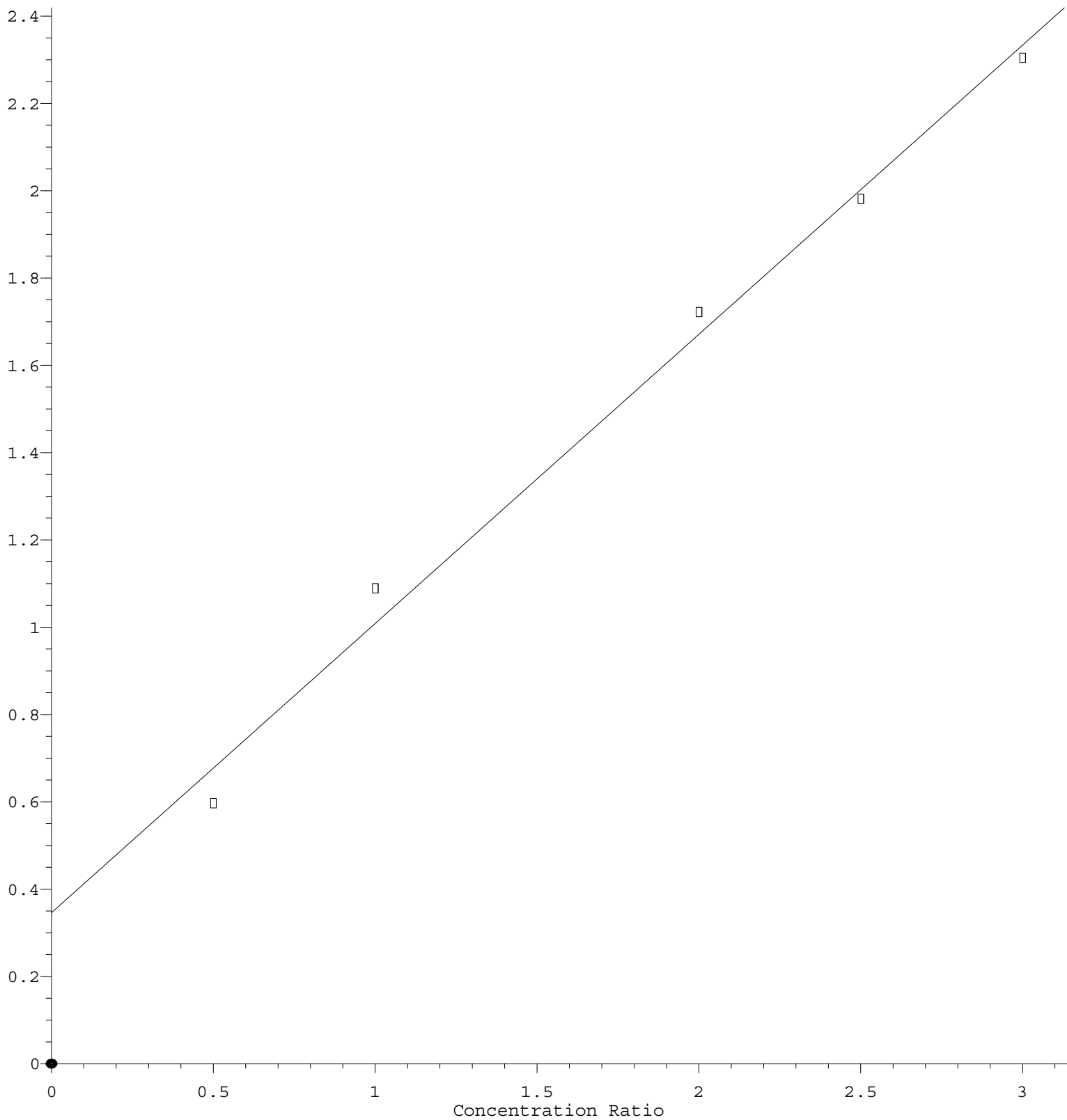
2-Nitrophenol



Response = $1.609 \times 10^{-1} \times \text{Amt} - 4.266 \times 10^{-2}$
 Coef of Det (r^2) = 0.995332 Curve Fit: Linear
 Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF122624.M
 Calibration Table Last Updated: Fri Dec 27 00:31:16 2024

Benzaldehyde

Response Ratio



Response = 6.627e-001 * Amt + 3.457e-001
Coef of Det (r^2) = 0.991129 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF122624.M
Calibration Table Last Updated: Fri Dec 27 00:31:16 2024

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140970.D
Acq On : 26 Dec 2024 16:23
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Dec 26 23:46:27 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 26 23:36:05 2024
Response via : Initial Calibration

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

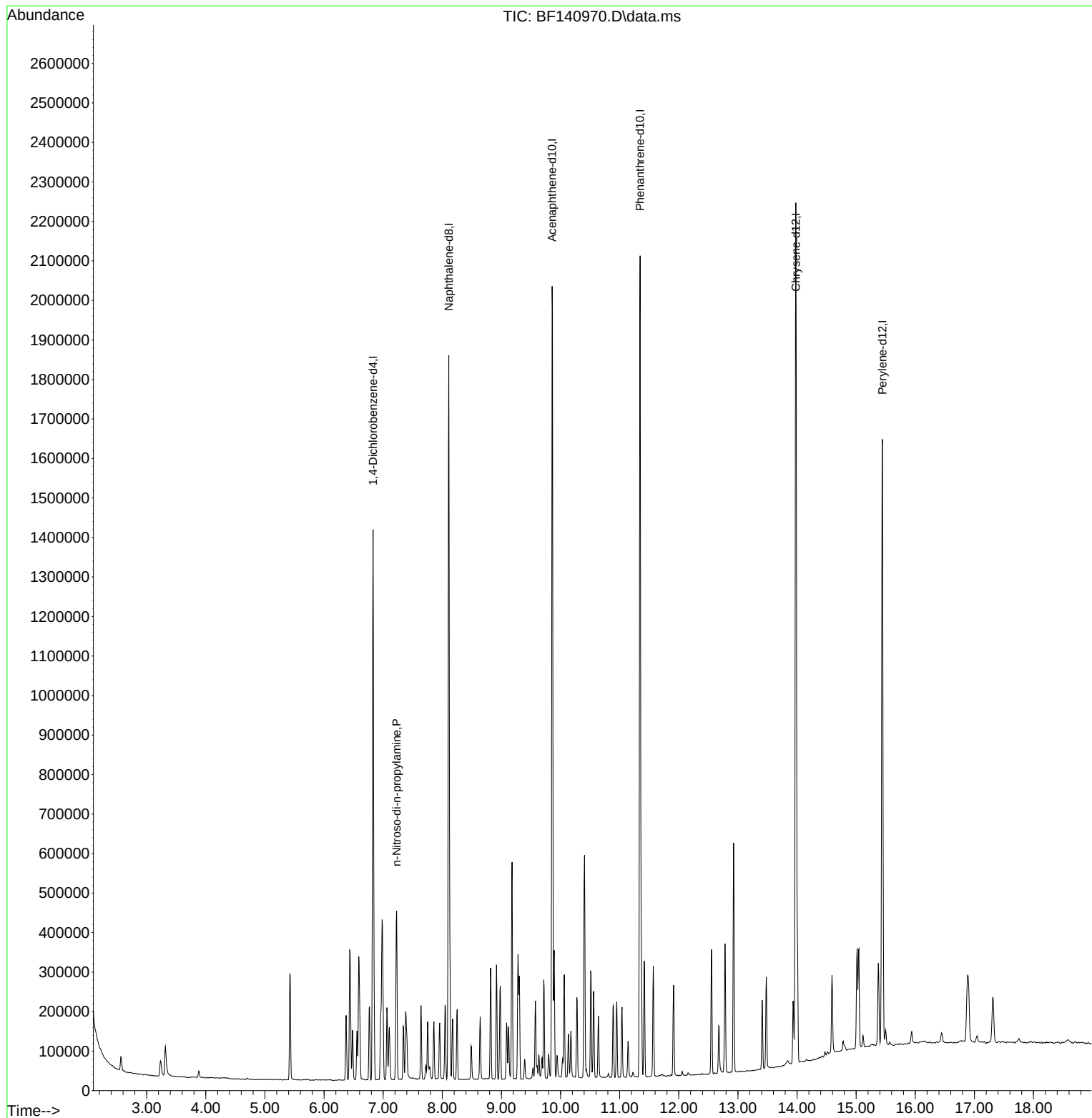
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	280508	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	1109803	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	601920	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	1050286	20.000	ng	0.00
76) Chrysene-d12	13.980	240	837900	20.000	ng	0.00
86) Perylene-d12	15.445	264	873226	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.000	ng	
7) Phenol-d6	0.000	99	0d	0.000	ng	
23) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
42) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
45) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
79) Terphenyl-d14	0.000	244	0d	0.000	ng	
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.228	70	39726	2.934	ng	97

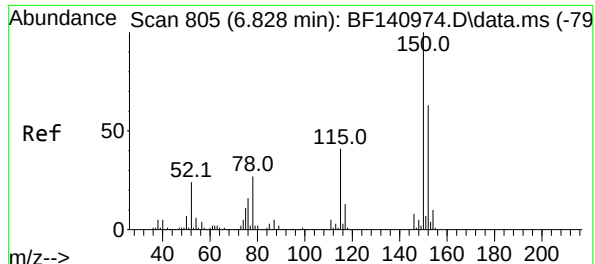
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140970.D
Acq On : 26 Dec 2024 16:23
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Dec 26 23:46:27 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 26 23:36:05 2024
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.828 min Scan# 80

Delta R.T. -0.000 min

Lab File: BF140970.D

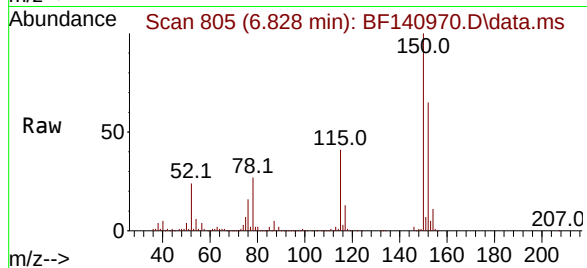
Acq: 26 Dec 2024 16:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5



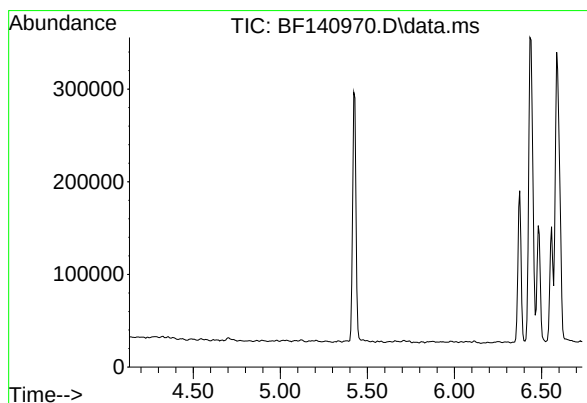
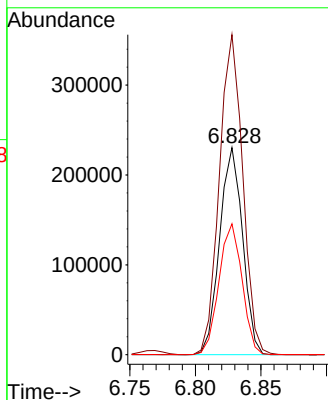
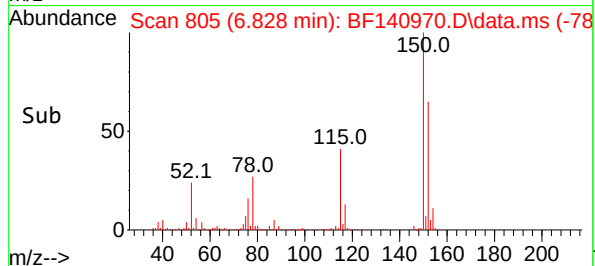
Tgt Ion:152 Resp: 280508

Ion Ratio Lower Upper

152 100

150 154.5 127.0 190.6

115 63.2 51.7 77.5



#5

2-Fluorophenol

Concen: 0.000 ng

Expected RT: 5.43 min

Lab File: BF140970.D

Acq: 26 Dec 2024 16:23

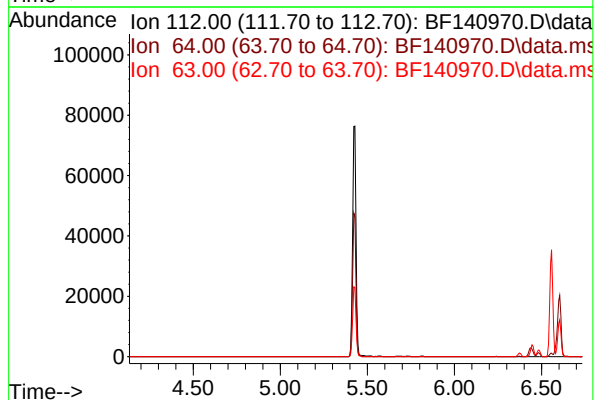
Tgt Ion: 112

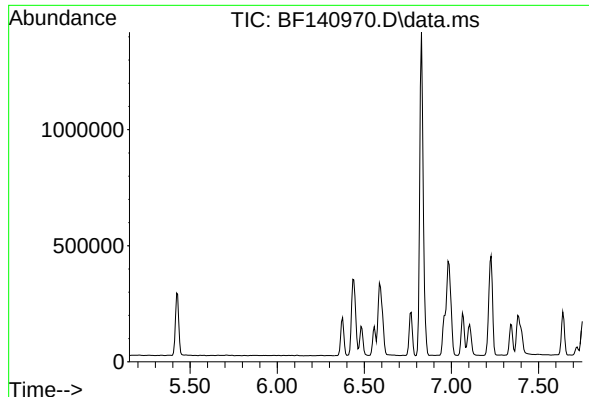
Sig Exp Ratio

112 100

64 59.6

63 30.2





#7

Phenol-d6

Concen: 0.000 ng

Expected RT: 6.45 min

Lab File: BF140970.D

Acq: 26 Dec 2024 16:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5

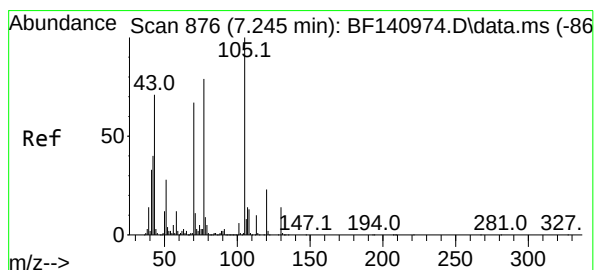
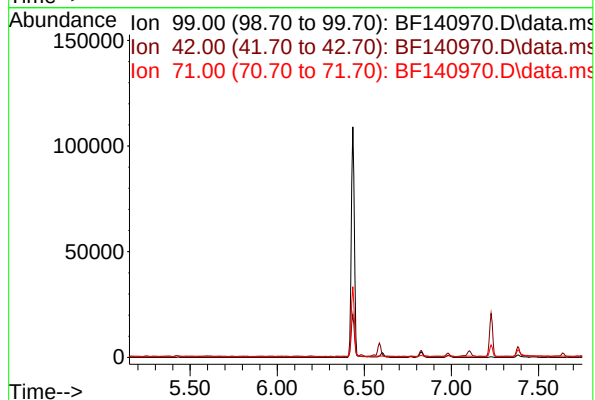
Tgt Ion: 99

Sig Exp Ratio

99 100

42 18.7

71 32.7



#19

n-Nitroso-di-n-propylamine

Concen: 2.934 ng

RT: 7.228 min Scan# 873

Delta R.T. -0.018 min

Lab File: BF140970.D

Acq: 26 Dec 2024 16:23

Tgt Ion: 70 Resp: 39726

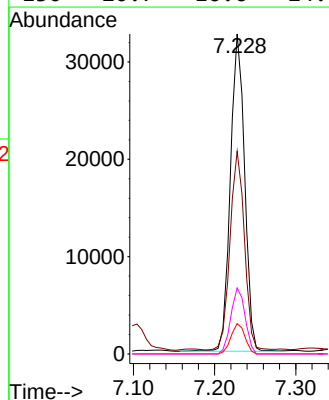
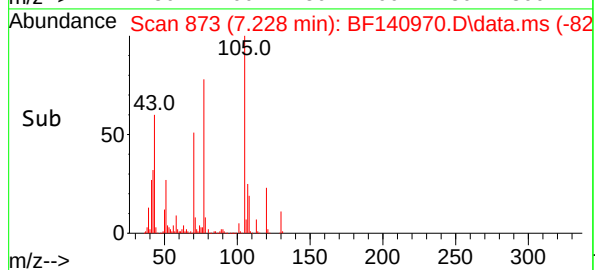
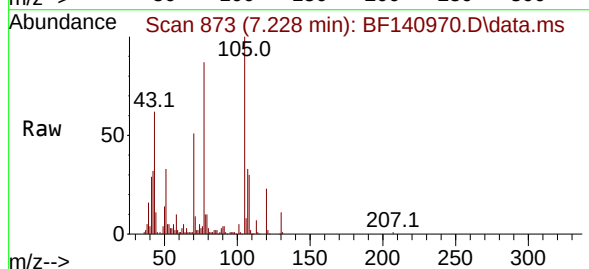
Ion Ratio Lower Upper

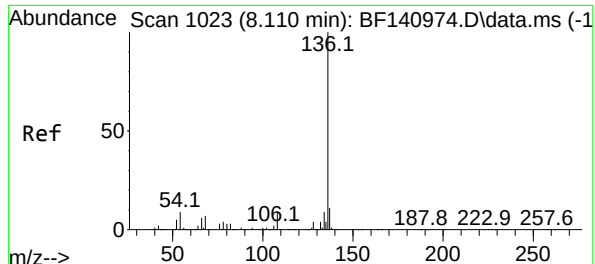
70 100

42 63.4 48.1 72.1

101 9.5 7.6 11.4

130 20.7 16.6 24.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.110 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF140970.D

Acq: 26 Dec 2024 16:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5

Tgt Ion:136 Resp: 1109803

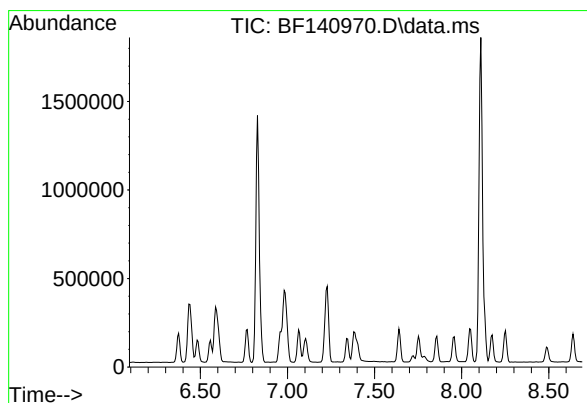
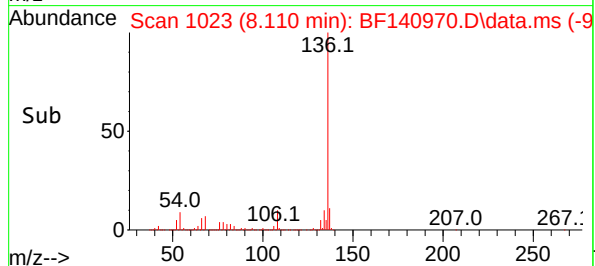
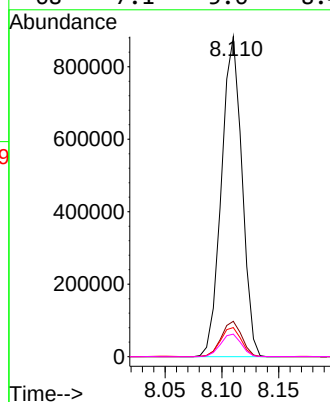
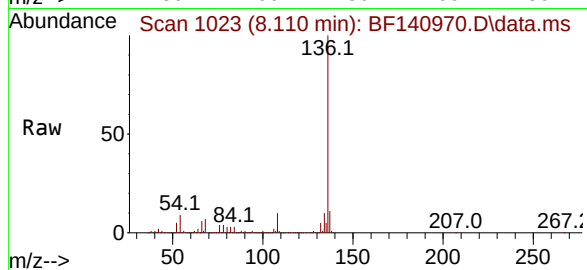
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.4

54 9.1 7.6 11.4

68 7.1 5.6 8.4



#23

Nitrobenzene-d5

Concen: 0.000 ng

Expected RT: 7.39 min

Lab File: BF140970.D

Acq: 26 Dec 2024 16:23

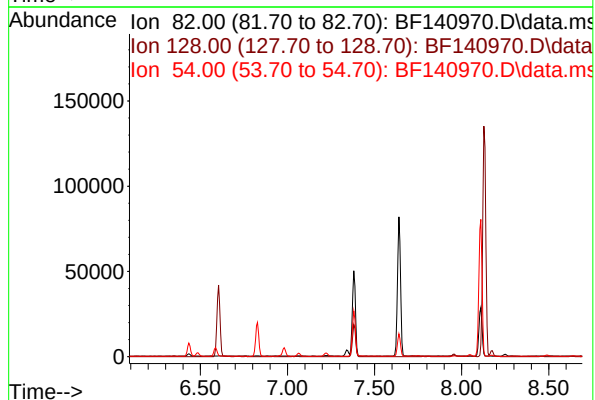
Tgt Ion: 82

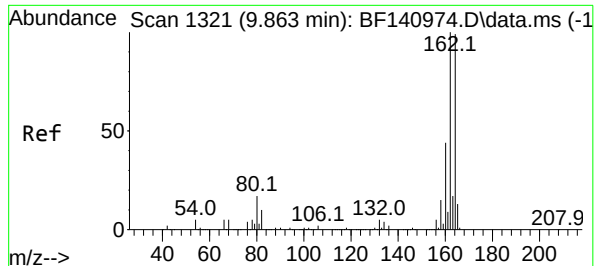
Sig Exp Ratio

82 100

128 43.0

54 53.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.857 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140970.D

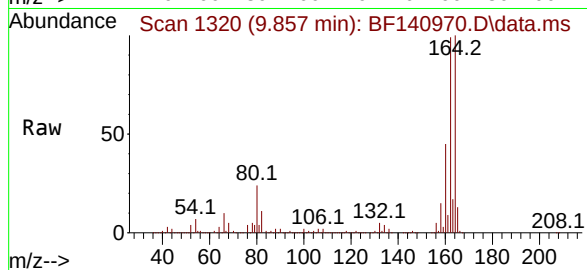
Acq: 26 Dec 2024 16:23

Instrument :

BNA_F

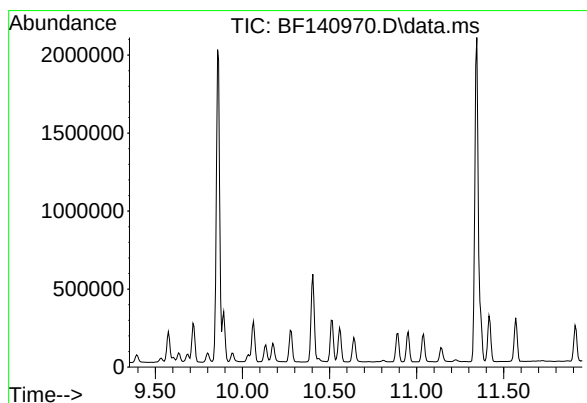
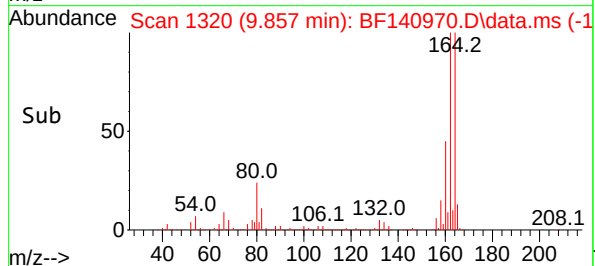
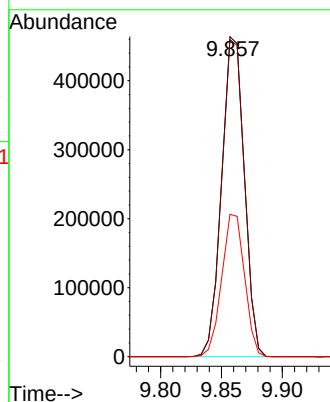
ClientSampleId :

SSTDICC2.5



Tgt Ion:164 Resp: 601920

Ion	Ratio	Lower	Upper
164	100		
162	99.1	80.6	120.8
160	44.5	35.7	53.5



#42

2,4,6-Tribromophenol

Concen: 0.000 ng

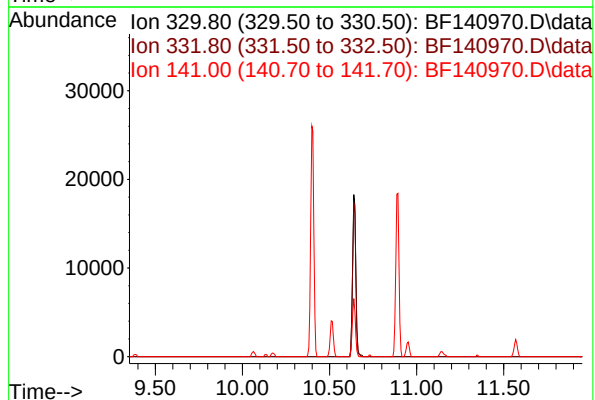
Expected RT: 10.65 min

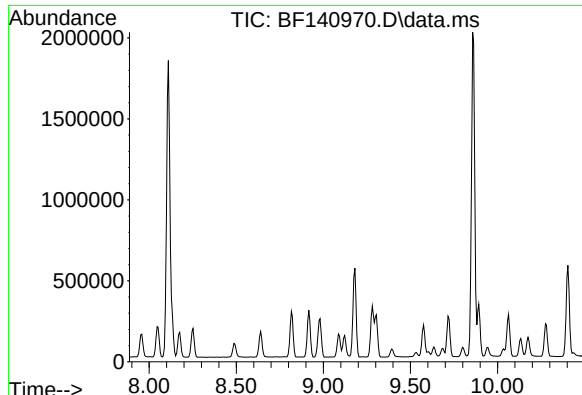
Lab File: BF140970.D

Acq: 26 Dec 2024 16:23

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	97.5
141	33.0





#45

2-Fluorobiphenyl

Concen: 0.000 ng

Expected RT: 9.19 min

Lab File: BF140970.D

Acq: 26 Dec 2024 16:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5

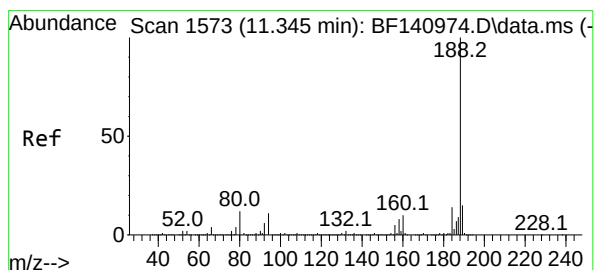
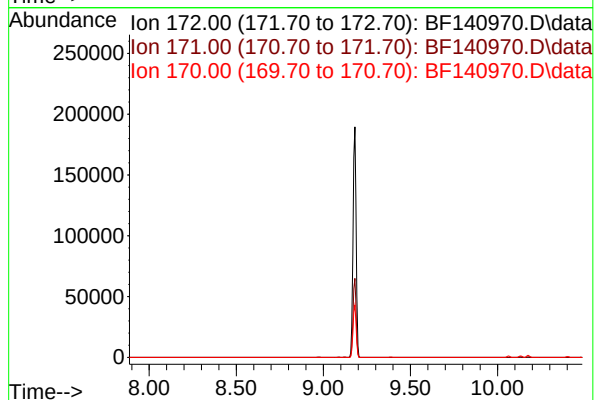
Tgt Ion: 172

Sig Exp Ratio

172 100

171 36.2

170 24.5



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.345 min Scan# 1573

Delta R.T. 0.000 min

Lab File: BF140970.D

Acq: 26 Dec 2024 16:23

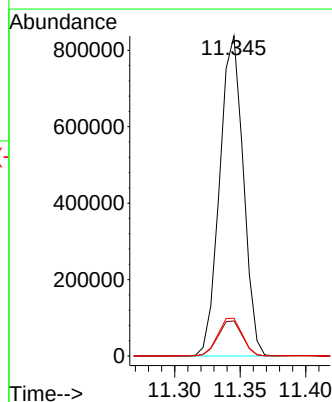
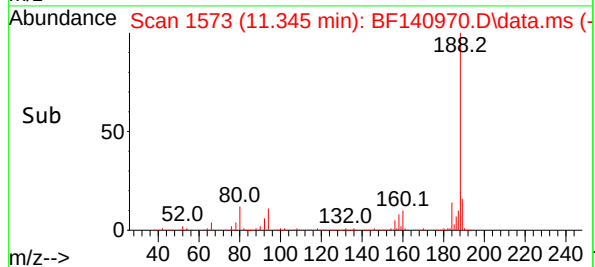
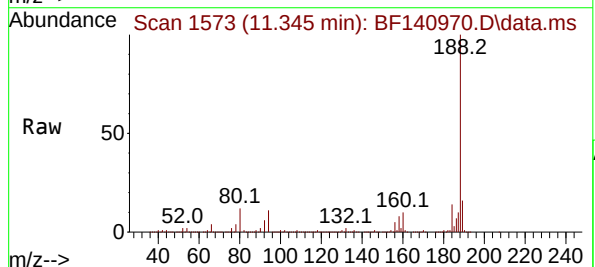
Tgt Ion:188 Resp: 1050286

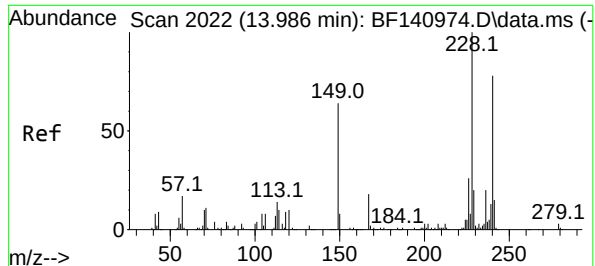
Ion Ratio Lower Upper

188 100

94 11.0 9.0 13.6

80 11.8 9.8 14.6

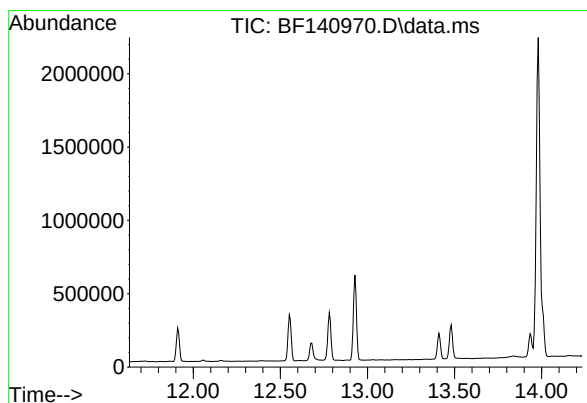
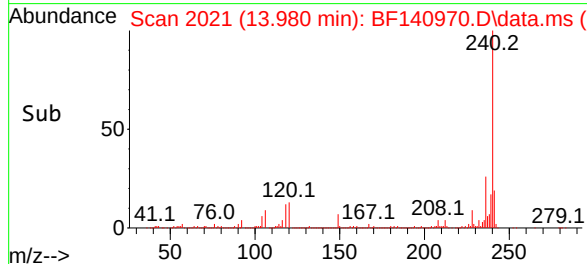
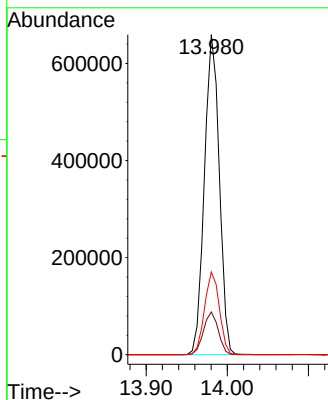
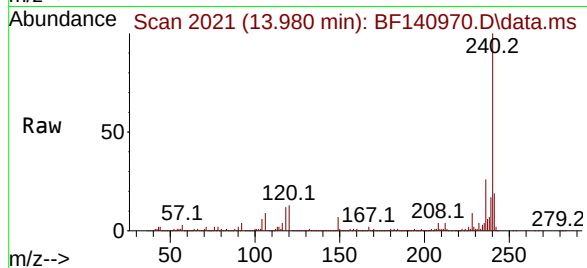




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF140970.D
Acq: 26 Dec 2024 16:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

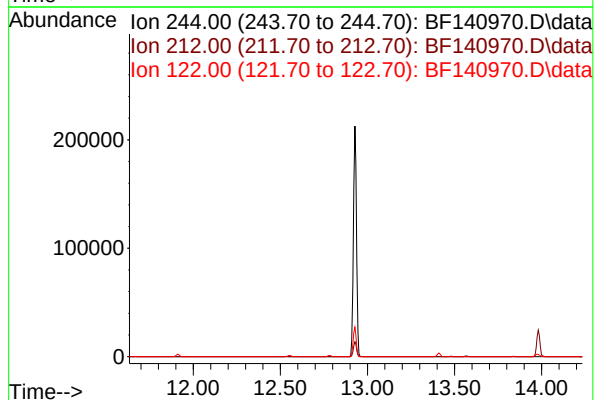
Tgt Ion:240 Resp: 837900
Ion Ratio Lower Upper
240 100
120 13.4 10.7 16.1
236 25.8 20.6 31.0



#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 12.93 min

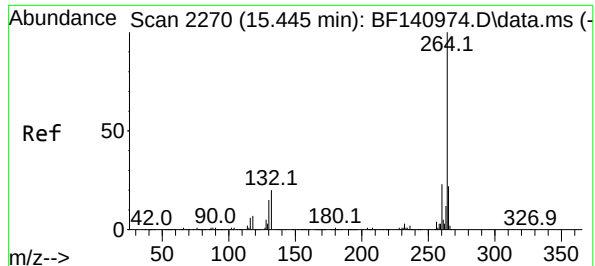
Lab File: BF140970.D
Acq: 26 Dec 2024 16:23

Tgt Ion: 244
Sig Exp Ratio
244 100
212 7.1
122 12.7



Ion 212.00 (211.70 to 212.70): BF140970.D\data

Ion 122.00 (121.70 to 122.70): BF140970.D\data



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.445 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF140970.D

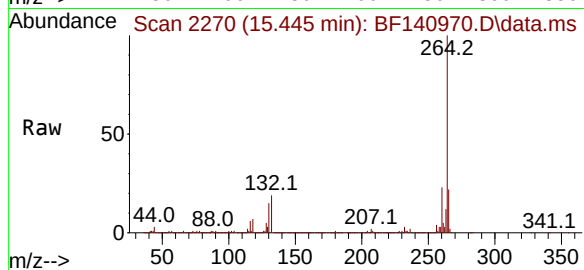
Acq: 26 Dec 2024 16:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5



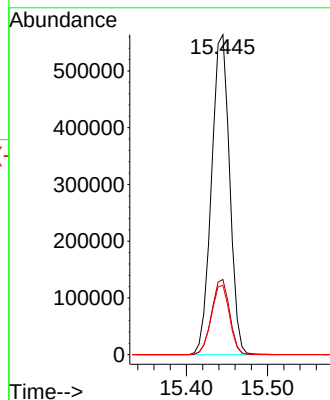
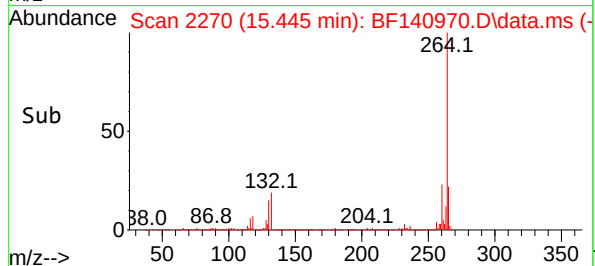
Tgt Ion:264 Resp: 873226

Ion Ratio Lower Upper

264 100

260 23.5 18.7 28.1

265 21.6 17.4 26.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
 Data File : BF140971.D
 Acq On : 26 Dec 2024 16:49
 Operator : RC/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC005

Quant Time: Dec 27 00:16:30 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 27 00:11:18 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	244397	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	981263	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	532506	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	938555	20.000	ng	0.00
76) Chrysene-d12	13.980	240	749775	20.000	ng	0.00
86) Perylene-d12	15.445	264	730672	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	183577	11.323	ng	0.00
7) Phenol-d6	6.434	99	233457	11.178	ng	-0.02
23) Nitrobenzene-d5	7.381	82	119635	7.800	ng	-0.01
42) 2,4,6-Tribromophenol	10.639	330	47007	9.085	ng	-0.01
45) 2-Fluorobiphenyl	9.181	172	411497	12.312	ng	0.00
79) Terphenyl-d14	12.927	244	477948	10.588	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.563	88	38472	5.241	ng	97
3) Pyridine	3.310	79	99046	5.521	ng	97
4) n-Nitrosodimethylamine	3.234	42	46147	5.077	ng	# 96
6) Aniline	6.487	93	104416	5.605	ng	98
8) 2-Chlorophenol	6.604	128	95096	5.563	ng	97
10) Phenol	6.451	94	119516	5.534	ng	96
11) bis(2-Chloroethyl)ether	6.557	93	94288	5.412	ng	98
12) 1,3-Dichlorobenzene	6.769	146	106038	5.621	ng	99
13) 1,4-Dichlorobenzene	6.845	146	106890	5.621	ng	98
14) 1,2-Dichlorobenzene	6.998	146	101438	5.721	ng	97
15) Benzyl Alcohol	6.957	79	81438	5.426	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.104	45	147834	5.606	ng	99
17) 2-Methylphenol	7.063	107	76369	5.378	ng	100
18) Hexachloroethane	7.340	117	35891	5.313	ng	95
19) n-Nitroso-di-n-propyla...	7.228	70	69676	5.445	ng	97
20) 3+4-Methylphenols	7.216	107	100457	5.590	ng	93
22) Acetophenone	7.228	105	140966	5.856	ng	99
24) Nitrobenzene	7.398	77	70606	4.120	ng	97
25) Isophorone	7.640	82	182478	5.467	ng	98
26) 2-Nitrophenol	7.722	139	16400	7.379	ng	96
27) 2,4-Dimethylphenol	7.751	122	65753	5.391	ng	98
28) bis(2-Chloroethoxy)met...	7.857	93	117023	5.534	ng	97
29) 2,4-Dichlorophenol	7.957	162	70187	5.074	ng	100
30) 1,2,4-Trichlorobenzene	8.051	180	86885	5.549	ng	99
31) Naphthalene	8.128	128	296471	5.734	ng	98
33) 4-Chloroaniline	8.175	127	101675	5.435	ng	98
34) Hexachlorobutadiene	8.251	225	51022	5.527	ng	98
35) Caprolactam	8.492	113	23997	5.102	ng	97
36) 4-Chloro-3-methylphenol	8.639	107	80975	5.271	ng	98
37) 2-Methylnaphthalene	8.816	142	189400	5.726	ng	99
38) 1-Methylnaphthalene	8.916	142	188155	5.788	ng	100
40) 1,2,4,5-Tetrachloroben...	8.981	216	80086	5.467	ng	98
41) Hexachlorocyclopentadiene	8.975	237	21995	4.531	ng	99
43) 2,4,6-Trichlorophenol	9.086	196	47166	4.837	ng	99
44) 2,4,5-Trichlorophenol	9.122	196	49432	4.955	ng	99
46) 1,1'-Biphenyl	9.281	154	236377	5.797	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
 Data File : BF140971.D
 Acq On : 26 Dec 2024 16:49
 Operator : RC/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC005

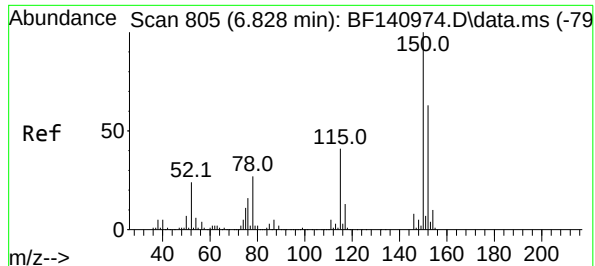
Quant Time: Dec 27 00:16:30 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 27 00:11:18 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) 2-Chloronaphthalene	9.304	162	181255	5.732	ng	97
48) 2-Nitroaniline	9.392	65	18450	6.658	ng	95
49) Acenaphthylene	9.716	152	257474	5.656	ng	98
50) Dimethylphthalate	9.575	163	191408	5.465	ng	99
51) 2,6-Dinitrotoluene	9.634	165	17091	5.865	ng	88
52) Acenaphthene	9.892	154	171603	5.576	ng	99
53) 3-Nitroaniline	9.798	138	20408	5.713	ng	# 85
55) Dibenzofuran	10.063	168	247167	5.715	ng	97
57) 2,4-Dinitrotoluene	10.033	165	18052	6.371	ng	# 85
58) Fluorene	10.404	166	199322	5.943	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.175	232	40337	4.882	ng	100
60) Diethylphthalate	10.275	149	190810	5.518	ng	99
61) 4-Chlorophenyl-phenyle...	10.398	204	93161	5.773	ng	100
62) 4-Nitroaniline	10.404	138	20793	5.839	ng	# 78
63) Azobenzene	10.557	77	199905	5.508	ng	99
66) n-Nitrosodiphenylamine	10.516	169	167108	5.654	ng	100
67) 4-Bromophenyl-phenylether	10.892	248	55213	5.442	ng	99
68) Hexachlorobenzene	10.951	284	61339	5.483	ng	98
69) Atrazine	11.039	200	51263	6.209	ng	98
70) Pentachlorophenol	11.139	266	28530	4.096	ng	97
71) Phenanthrene	11.369	178	286441	5.799	ng	98
72) Anthracene	11.416	178	278610	5.756	ng	98
73) Carbazole	11.569	167	267065	5.740	ng	99
74) Di-n-butylphthalate	11.910	149	292755	5.532	ng	99
75) Fluoranthene	12.551	202	312668	5.836	ng	99
77) Benzidine	12.674	184	79065	4.990	ng	99
78) Pyrene	12.780	202	328787	5.014	ng	98
80) Butylbenzylphthalate	13.410	149	99667	4.162	ng	96
81) Benzo(a)anthracene	13.969	228	294772	5.641	ng	99
82) 3,3'-Dichlorobenzidine	13.933	252	88822	5.658	ng	98
83) Chrysene	14.010	228	251288	5.335	ng	98
84) Bis(2-ethylhexyl)phtha...	13.974	149	154045	4.960	ng	99
85) Di-n-octyl phthalate	14.592	149	216905	4.825	ng	99
87) Indeno(1,2,3-cd)pyrene	16.880	276	191761	4.166	ng	99
88) Benzo(b)fluoranthene	15.016	252	248464	4.876	ng	100
89) Benzo(k)fluoranthene	15.045	252	212890	5.330	ng	99
90) Benzo(a)pyrene	15.374	252	209418	5.294	ng	98
91) Dibenzo(a,h)anthracene	16.904	278	154741	4.147	ng	99
92) Benzo(g,h,i)perylene	17.315	276	150669	3.893	ng	99

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

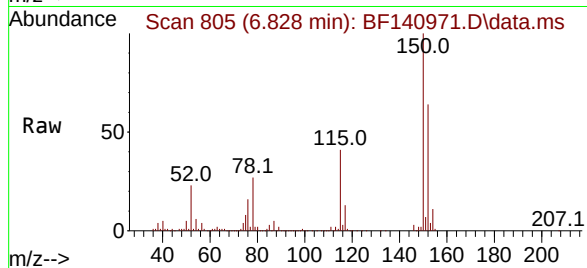
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

[illegible]

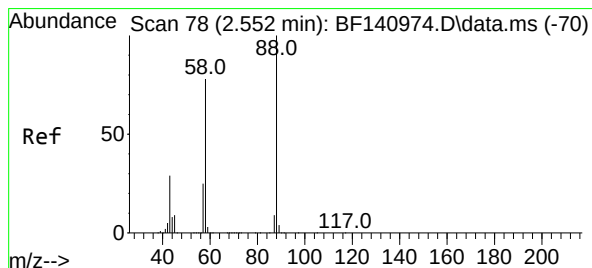
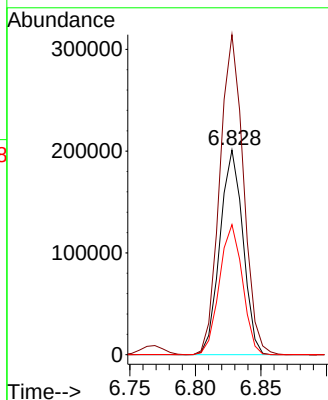
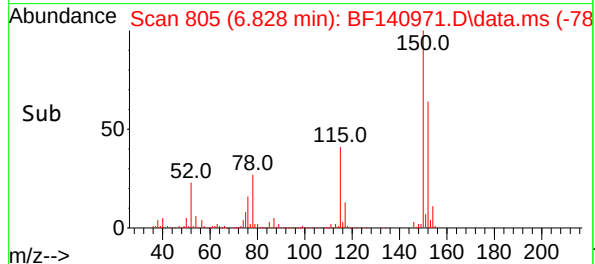


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 80
Delta R.T. -0.000 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

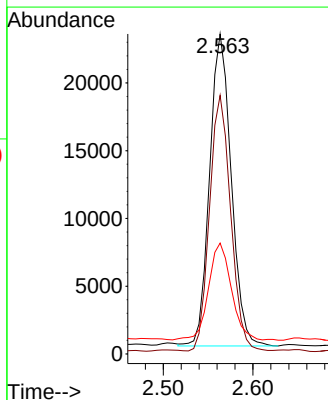
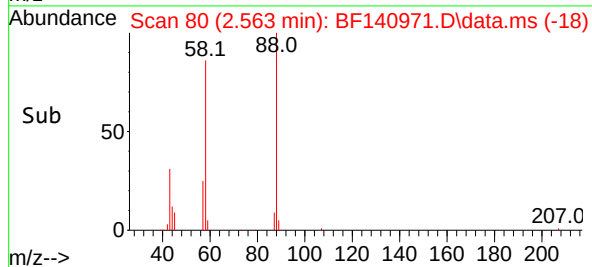
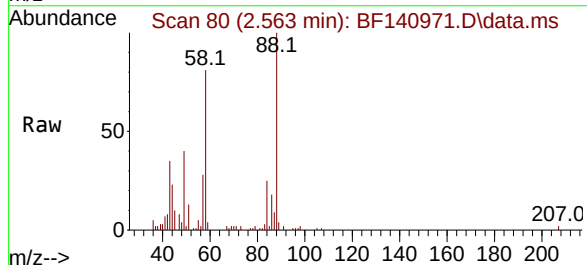


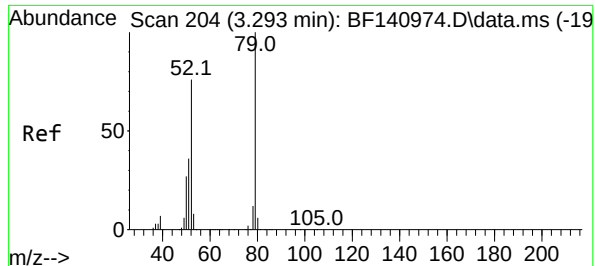
Tgt Ion:152 Resp: 244397
Ion Ratio Lower Upper
152 100
150 156.4 127.0 190.6
115 63.6 51.7 77.5



#2
1,4-Dioxane
Concen: 5.241 ng
RT: 2.563 min Scan# 80
Delta R.T. 0.012 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion: 88 Resp: 38472
Ion Ratio Lower Upper
88 100
58 80.0 63.0 94.4
43 33.0 23.4 35.2





#3

Pyridine

Concen: 5.521 ng

RT: 3.310 min Scan# 20

Delta R.T. 0.018 min

Lab File: BF140971.D

Acq: 26 Dec 2024 16:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

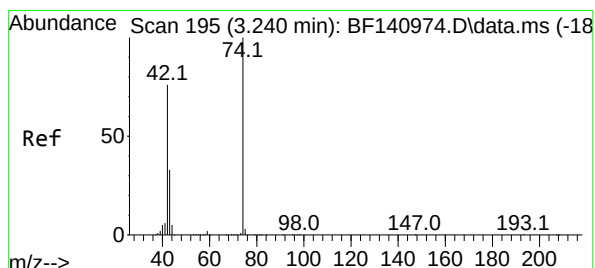
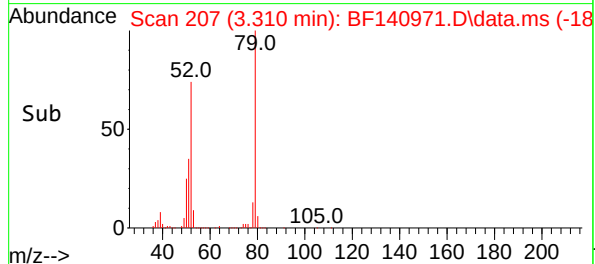
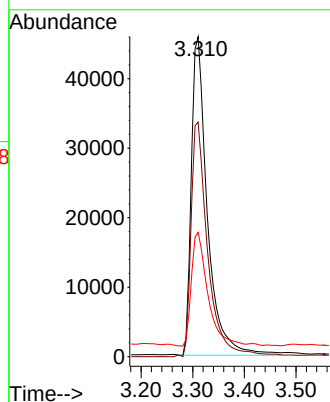
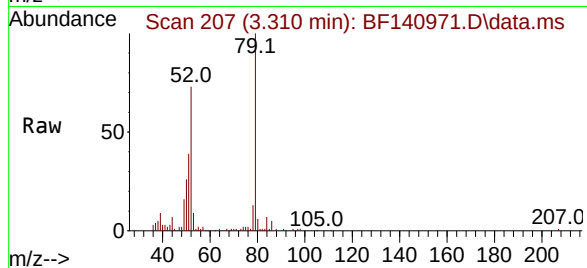
Tgt Ion: 79 Resp: 99046

Ion Ratio Lower Upper

79 100

52 73.3 60.4 90.6

51 38.9 28.8 43.2



#4

n-Nitrosodimethylamine

Concen: 5.077 ng

RT: 3.234 min Scan# 194

Delta R.T. -0.006 min

Lab File: BF140971.D

Acq: 26 Dec 2024 16:49

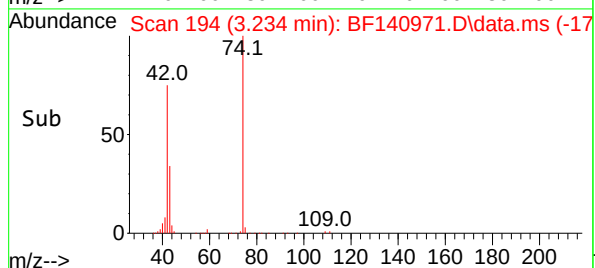
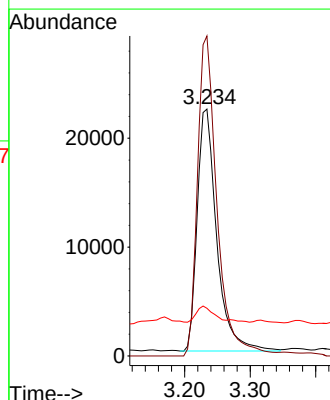
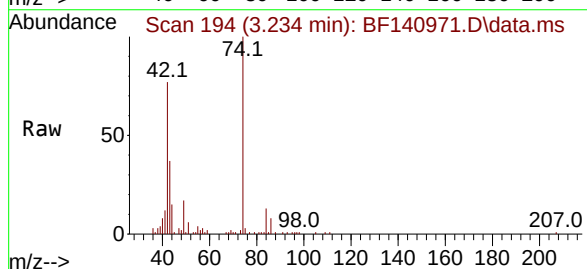
Tgt Ion: 42 Resp: 46147

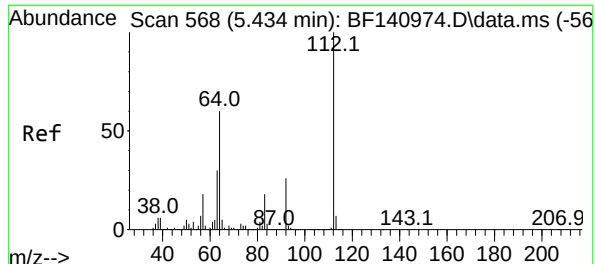
Ion Ratio Lower Upper

42 100

74 129.6 105.8 158.6

44 19.3 6.6 10.0#

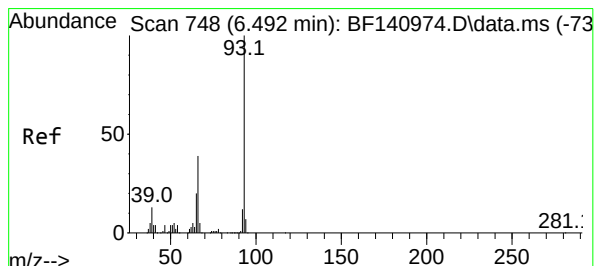
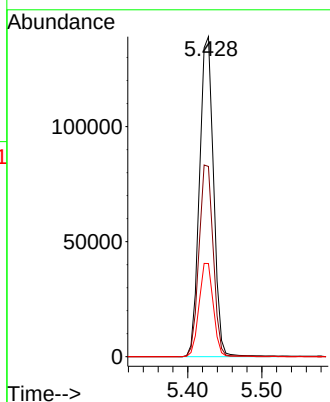
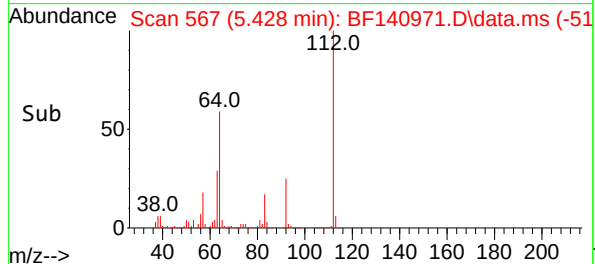
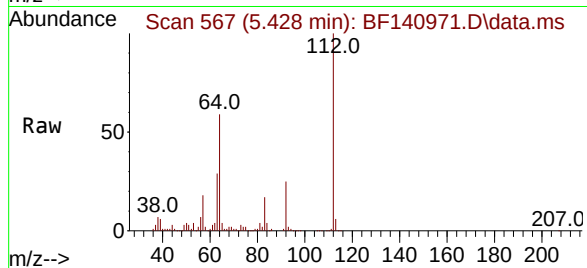




#5
2-Fluorophenol
Concen: 11.323 ng
RT: 5.428 min Scan# 50
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

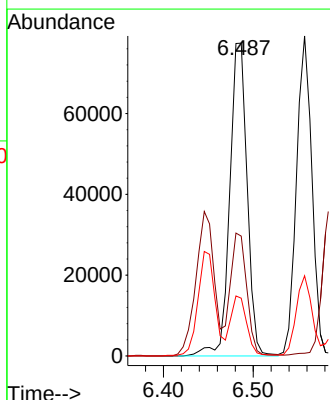
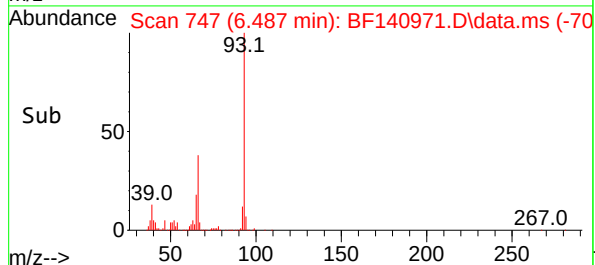
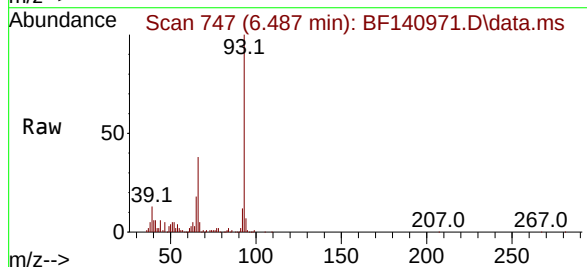
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

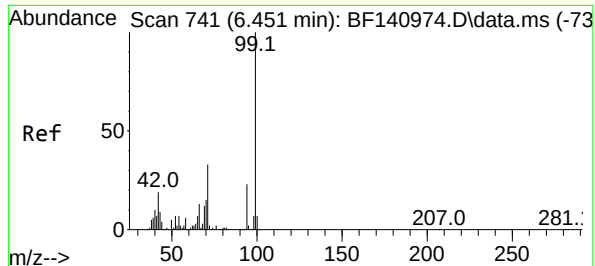
Tgt Ion:112 Resp: 183577
Ion Ratio Lower Upper
112 100
64 59.5 47.7 71.5
63 29.1 24.2 36.2



#6
Aniline
Concen: 5.605 ng
RT: 6.487 min Scan# 747
Delta R.T. -0.024 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion: 93 Resp: 104416
Ion Ratio Lower Upper
93 100
66 38.3 31.8 47.8
65 18.5 15.4 23.0





#7

Phenol-d6

Concen: 11.178 ng

RT: 6.434 min Scan# 71

Delta R.T. -0.018 min

Lab File: BF140971.D

Acq: 26 Dec 2024 16:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

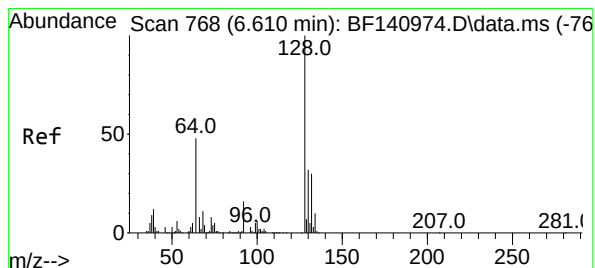
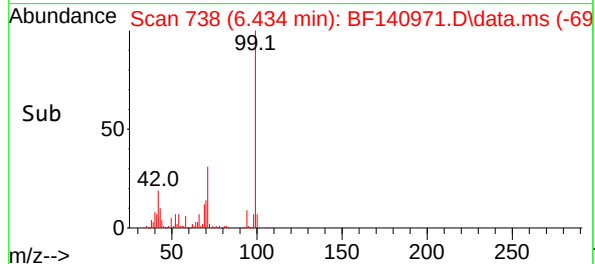
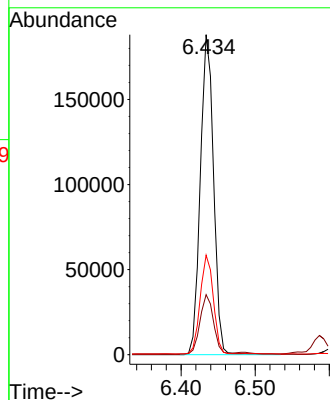
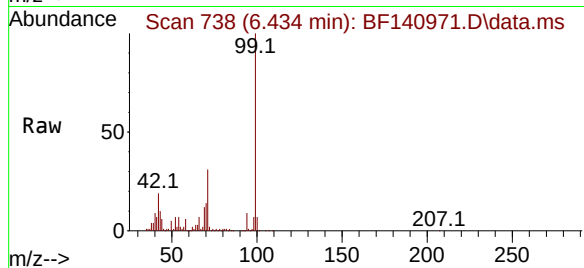
Tgt Ion: 99 Resp: 233457

Ion Ratio Lower Upper

99 100

42 18.7 15.0 22.4

71 31.1 26.2 39.2



#8

2-Chlorophenol

Concen: 5.563 ng

RT: 6.604 min Scan# 767

Delta R.T. -0.006 min

Lab File: BF140971.D

Acq: 26 Dec 2024 16:49

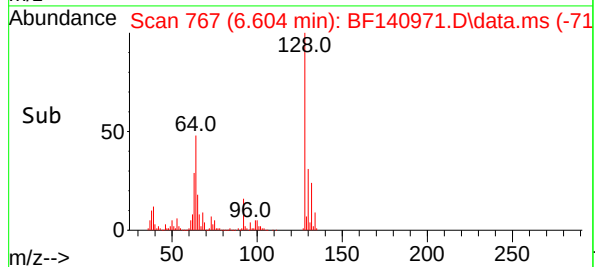
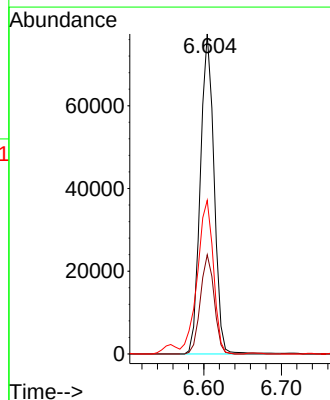
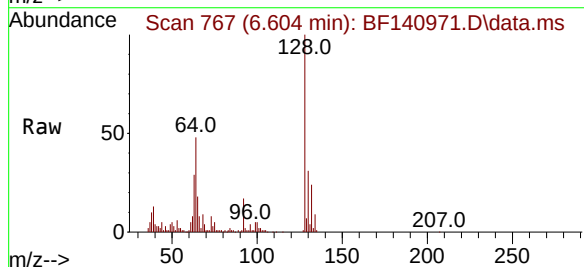
Tgt Ion:128 Resp: 95096

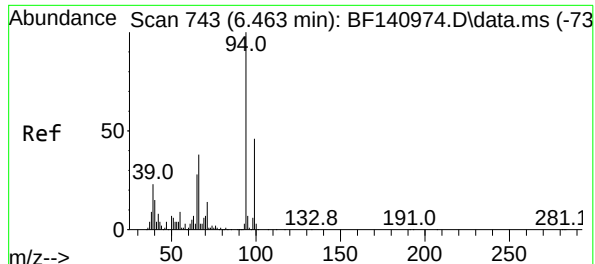
Ion Ratio Lower Upper

128 100

130 31.0 12.2 52.2

64 48.0 30.3 70.3

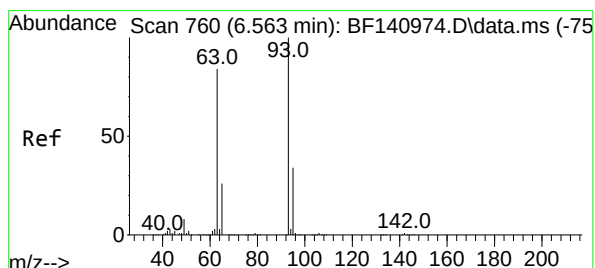
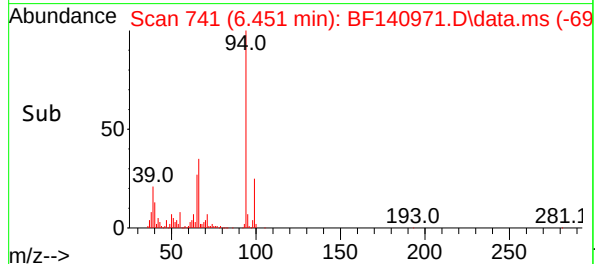
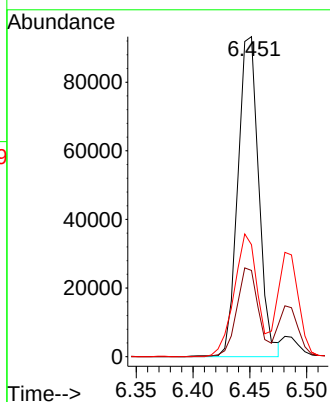
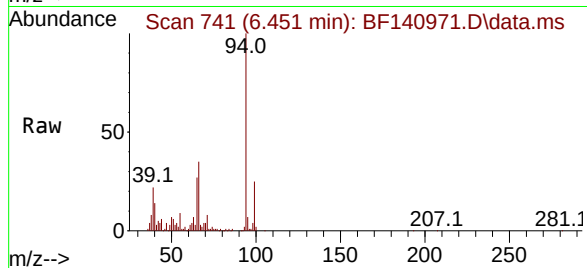




#10
Phenol
Concen: 5.534 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

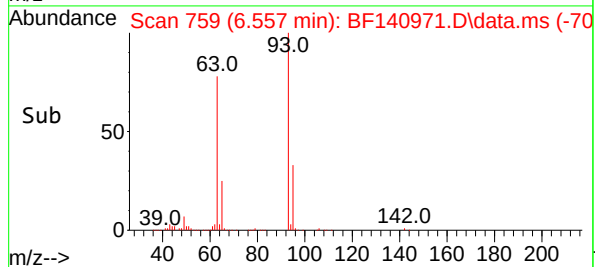
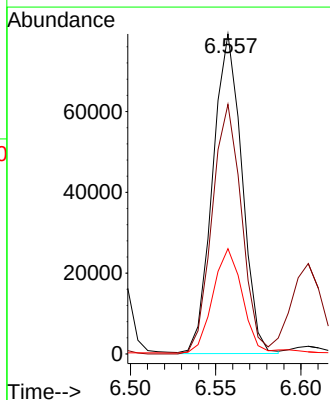
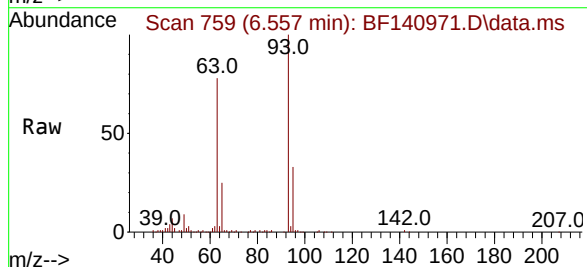
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

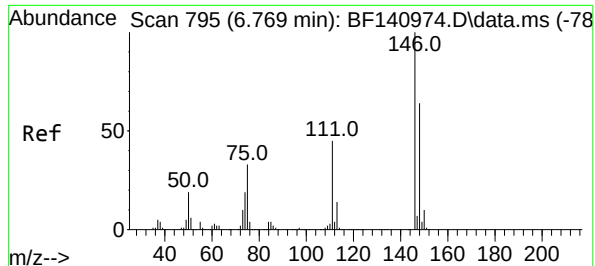
Tgt Ion: 94 Resp: 119516
Ion Ratio Lower Upper
94 100
65 27.0 8.1 48.1
66 35.0 18.7 58.7



#11
bis(2-Chloroethyl)ether
Concen: 5.412 ng
RT: 6.557 min Scan# 759
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion: 93 Resp: 94288
Ion Ratio Lower Upper
93 100
63 78.0 60.3 100.3
95 32.9 12.2 52.2





#12

1,3-Dichlorobenzene

Concen: 5.621 ng

RT: 6.769 min Scan# 795

Delta R.T. 0.000 min

Lab File: BF140971.D

Acq: 26 Dec 2024 16:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

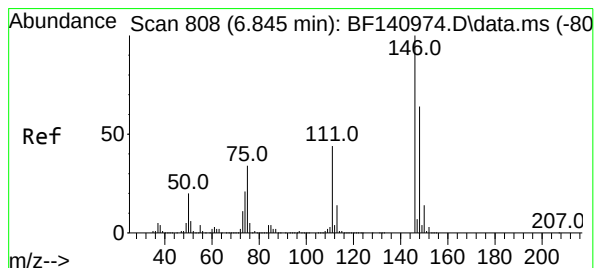
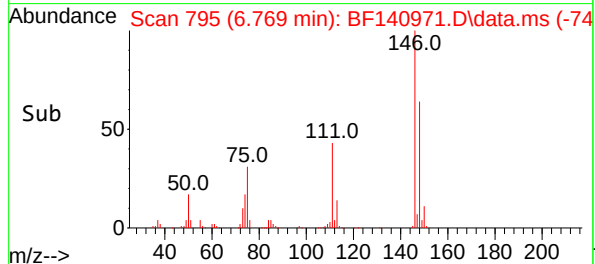
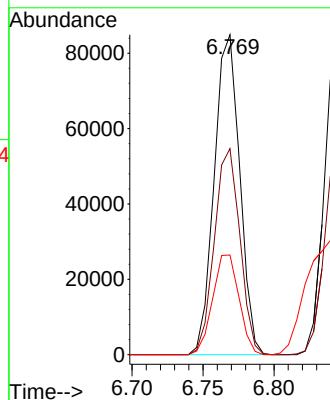
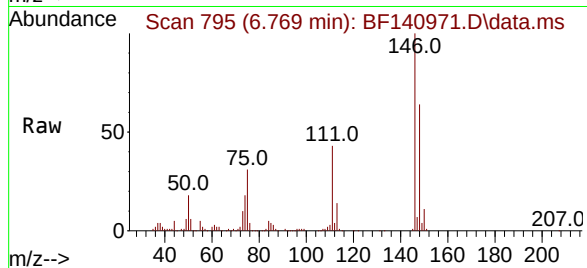
Tgt Ion:146 Resp: 106038

Ion Ratio Lower Upper

146 100

148 64.4 51.0 76.4

75 31.2 26.1 39.1



#13

1,4-Dichlorobenzene

Concen: 5.621 ng

RT: 6.845 min Scan# 808

Delta R.T. 0.000 min

Lab File: BF140971.D

Acq: 26 Dec 2024 16:49

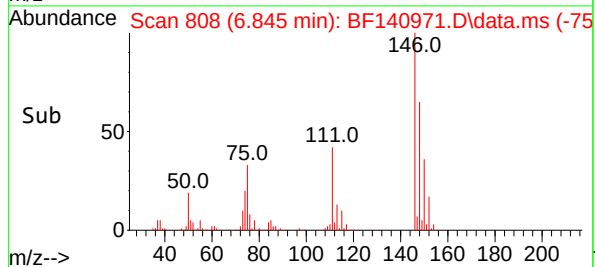
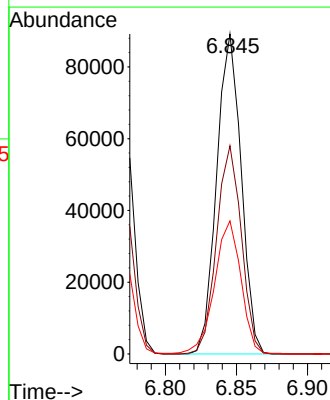
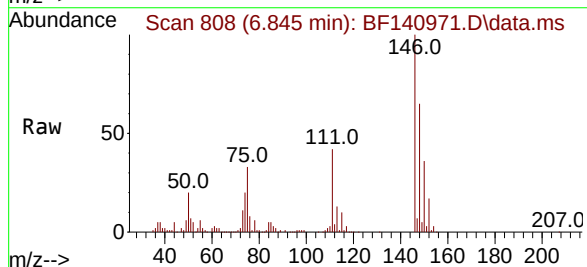
Tgt Ion:146 Resp: 106890

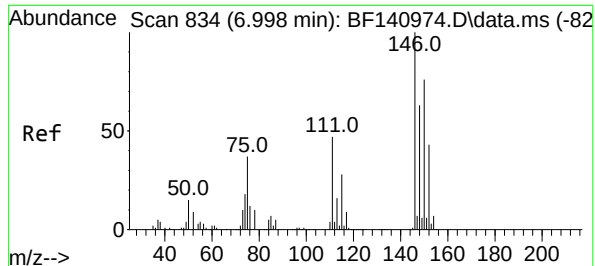
Ion Ratio Lower Upper

146 100

148 65.0 51.3 76.9

111 41.6 35.3 52.9

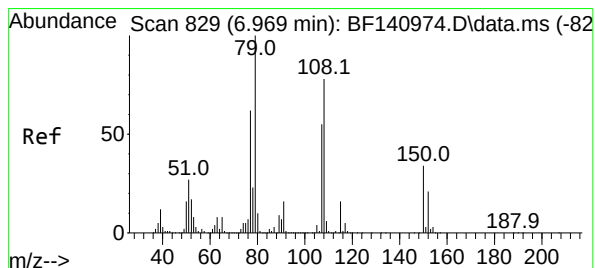
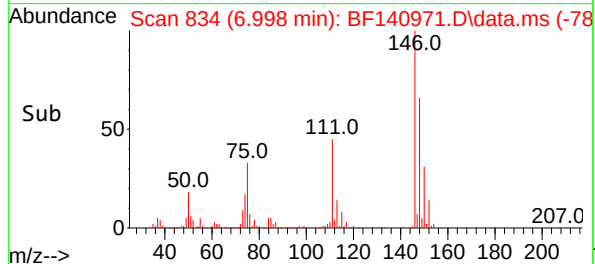
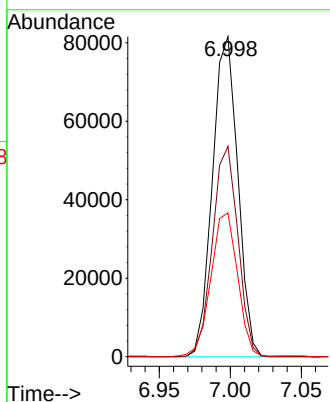
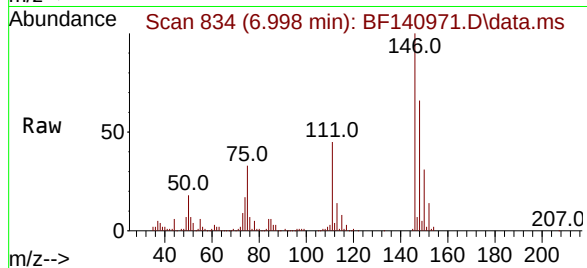




#14
1,2-Dichlorobenzene
Concen: 5.721 ng
RT: 6.998 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

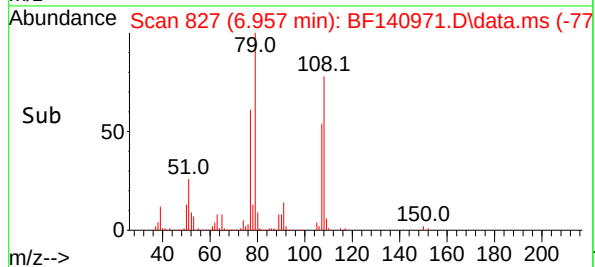
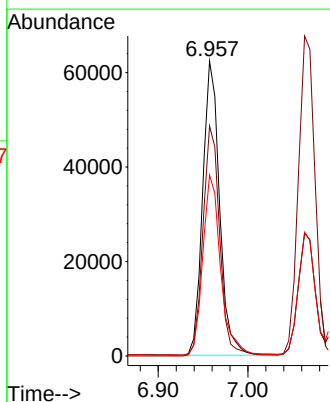
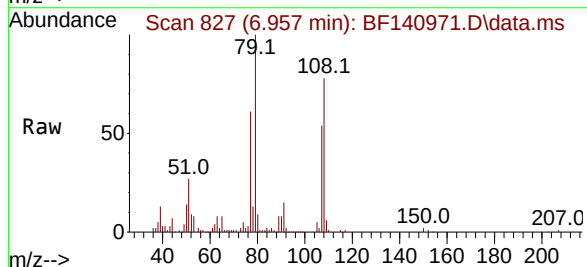
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

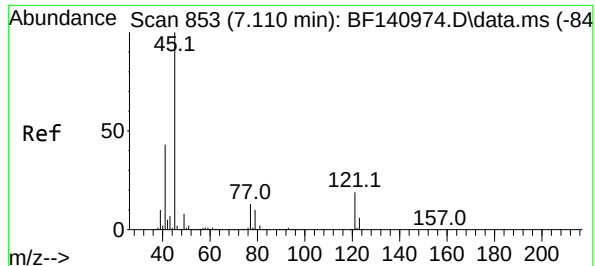
Tgt Ion:146 Resp: 101438
Ion Ratio Lower Upper
146 100
148 65.7 50.6 76.0
111 45.0 37.3 55.9



#15
Benzyl Alcohol
Concen: 5.426 ng
RT: 6.957 min Scan# 827
Delta R.T. -0.012 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion: 79 Resp: 81438
Ion Ratio Lower Upper
79 100
108 78.0 62.5 93.7
77 61.3 49.3 73.9

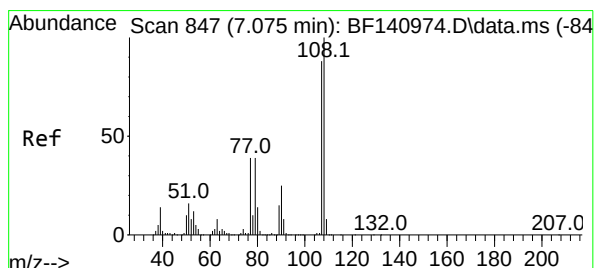
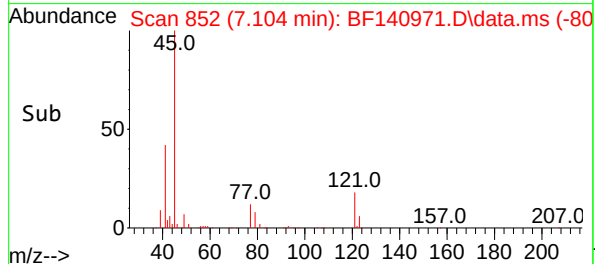
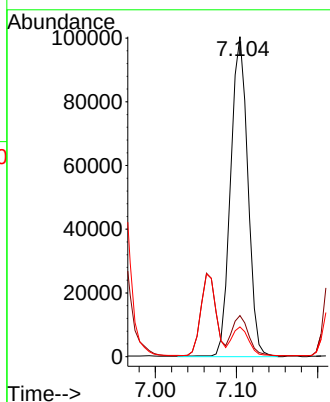
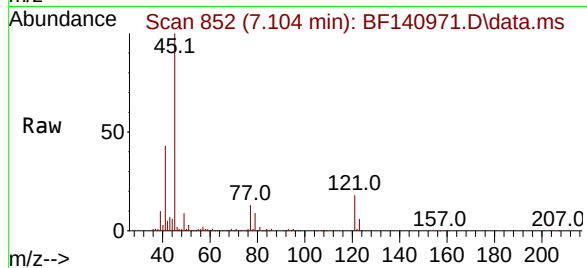




#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.606 ng
RT: 7.104 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

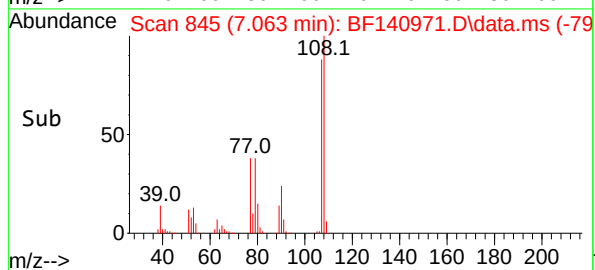
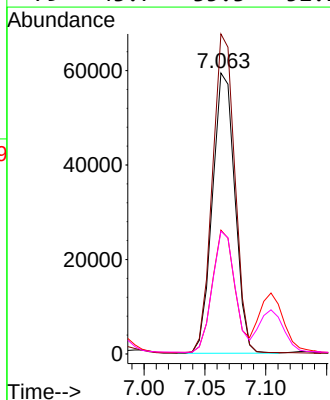
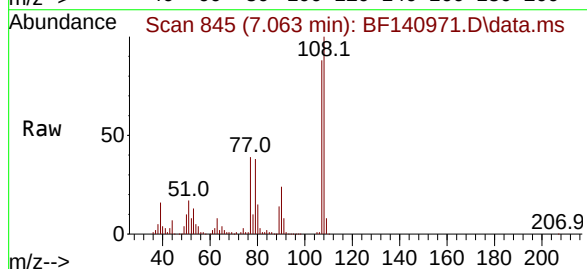
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

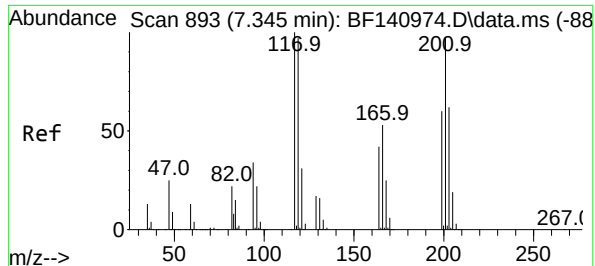
Tgt Ion: 45 Resp: 147834
Ion Ratio Lower Upper
45 100
77 12.9 0.0 33.1
79 9.3 0.0 30.1



#17
2-Methylphenol
Concen: 5.378 ng
RT: 7.063 min Scan# 845
Delta R.T. -0.012 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion: 107 Resp: 76369
Ion Ratio Lower Upper
107 100
108 113.9 90.6 136.0
77 44.1 35.3 52.9
79 43.7 35.3 52.9

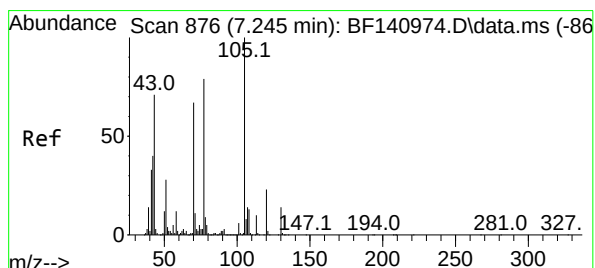
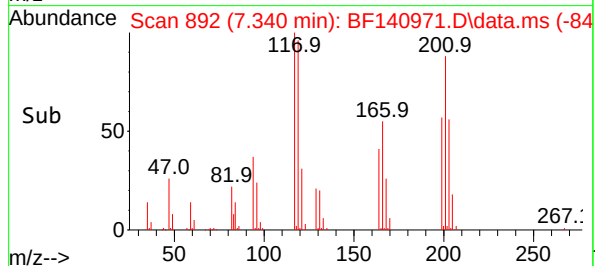
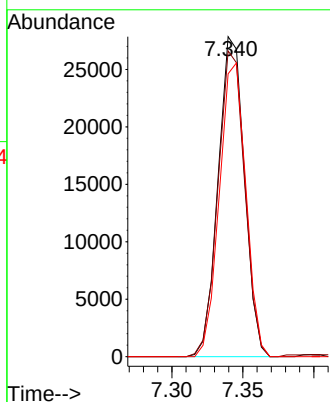
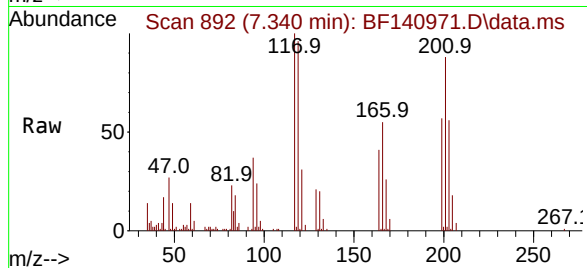




#18
Hexachloroethane
Concen: 5.313 ng
RT: 7.340 min Scan# 891
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

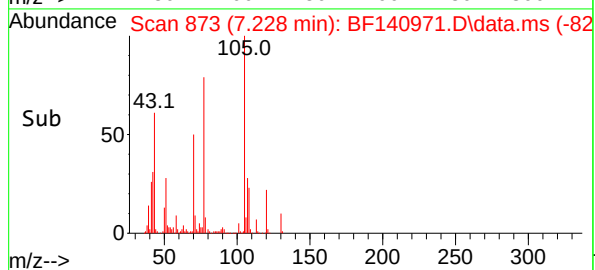
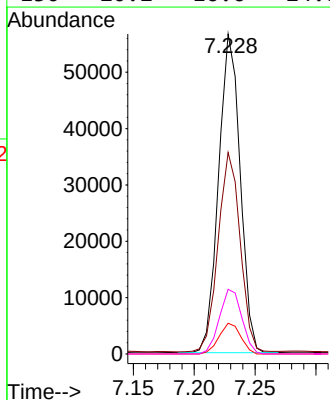
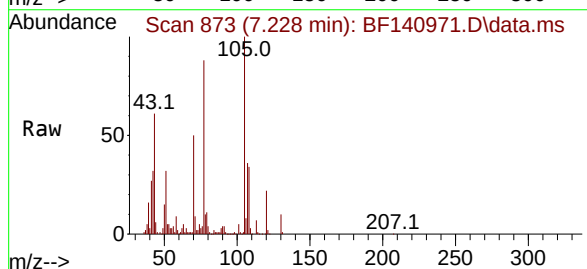
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

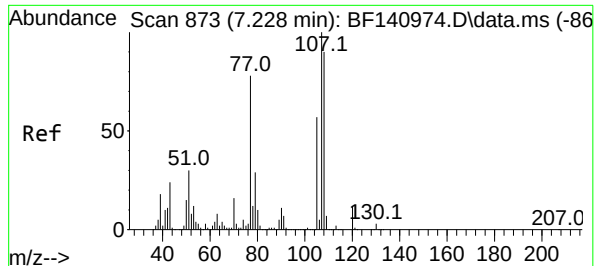
Tgt Ion:117 Resp: 35891
Ion Ratio Lower Upper
117 100
119 95.6 77.5 116.3
201 88.4 77.4 116.2



#19
n-Nitroso-di-n-propylamine
Concen: 5.445 ng
RT: 7.228 min Scan# 873
Delta R.T. -0.018 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion: 70 Resp: 69676
Ion Ratio Lower Upper
70 100
42 63.0 48.1 72.1
101 9.6 7.6 11.4
130 20.2 16.6 24.8





#20

3+4-Methylphenols

Concen: 5.590 ng

RT: 7.216 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF140971.D

Acq: 26 Dec 2024 16:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:107 Resp: 100457

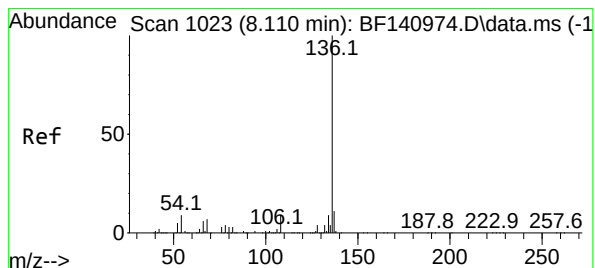
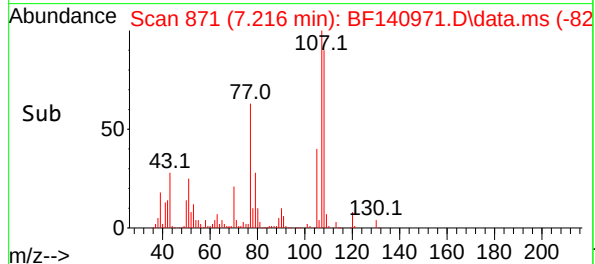
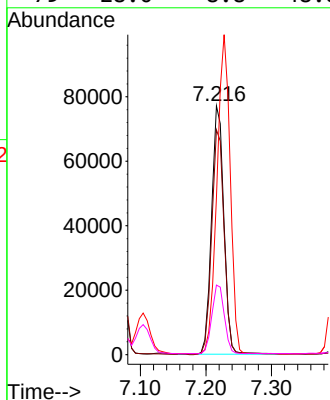
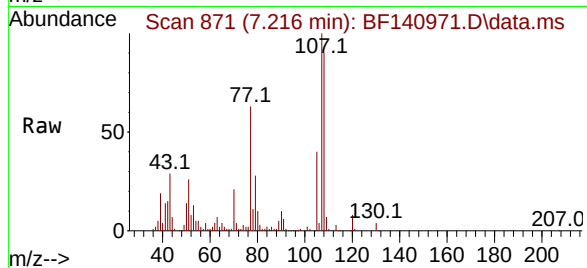
Ion Ratio Lower Upper

107 100

108 90.4 69.6 109.6

77 63.1 57.6 97.6

79 28.0 8.8 48.8



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.110 min Scan# 1023

Delta R.T. 0.000 min

Lab File: BF140971.D

Acq: 26 Dec 2024 16:49

Tgt Ion:136 Resp: 981263

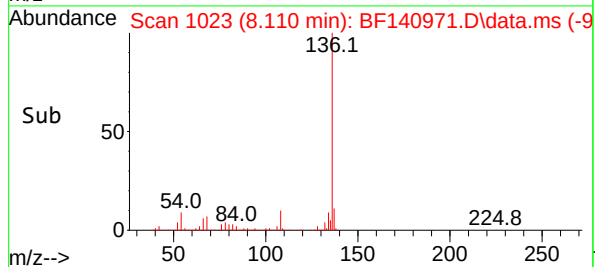
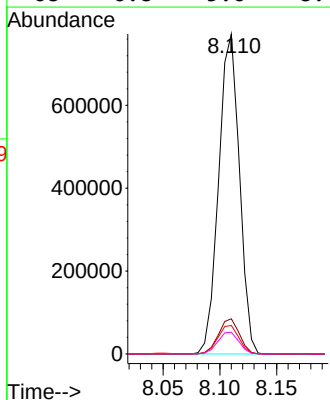
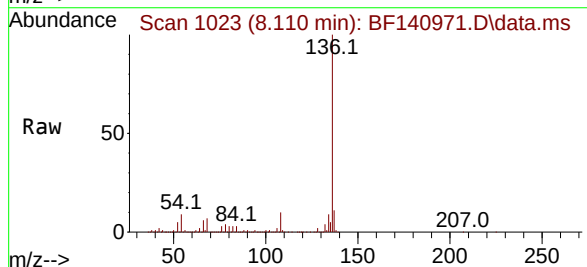
Ion Ratio Lower Upper

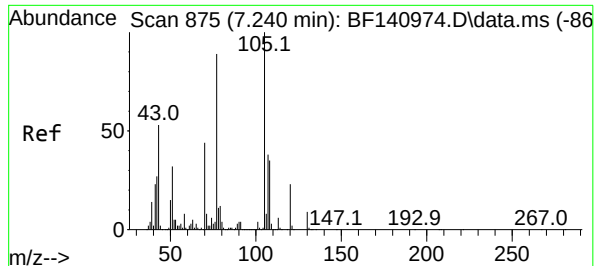
136 100

137 11.0 9.0 13.4

54 8.9 7.6 11.4

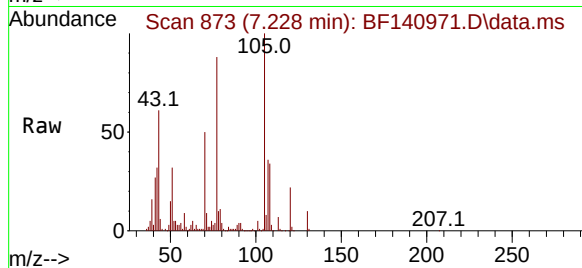
68 6.8 5.6 8.4



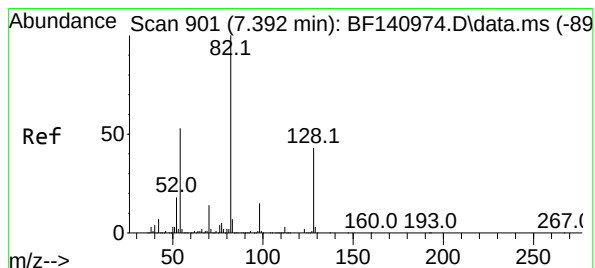
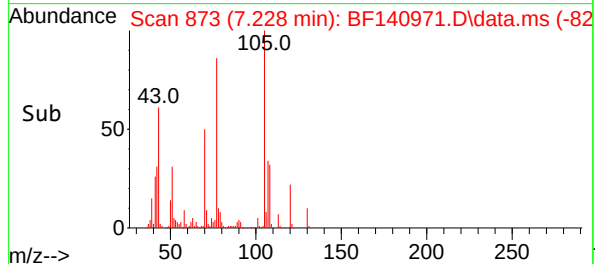
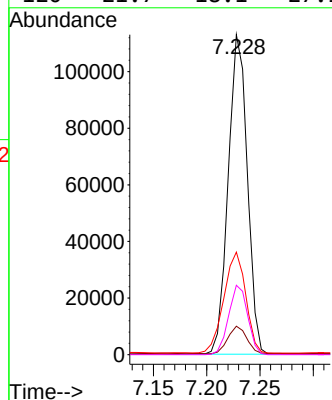


#22
Acetophenone
Concen: 5.856 ng
RT: 7.228 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

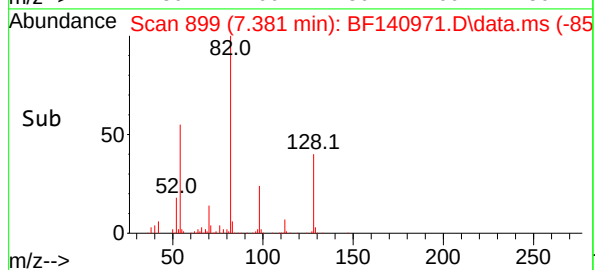
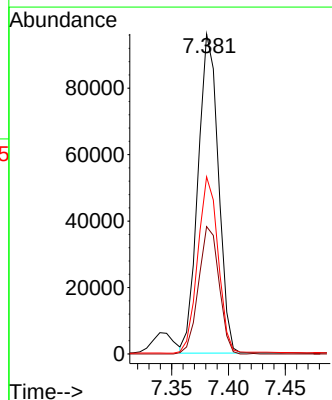
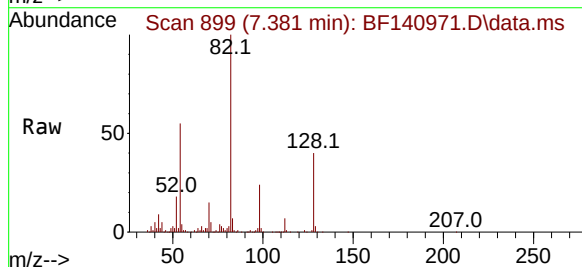


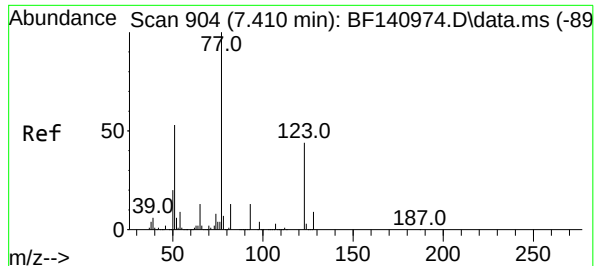
Tgt Ion:105 Resp: 140966
Ion Ratio Lower Upper
105 100
71 8.9 6.1 9.1
51 32.0 25.8 38.6
120 21.7 18.1 27.1



#23
Nitrobenzene-d5
Concen: 7.800 ng
RT: 7.381 min Scan# 899
Delta R.T. -0.012 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion: 82 Resp: 119635
Ion Ratio Lower Upper
82 100
128 39.8 34.4 51.6
54 55.4 42.4 63.6

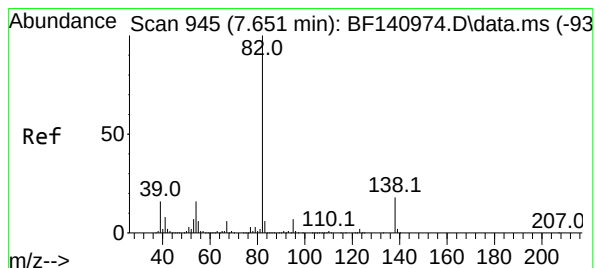
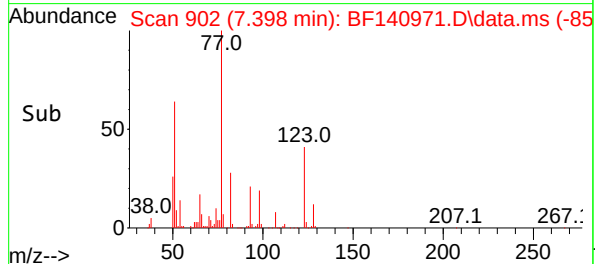
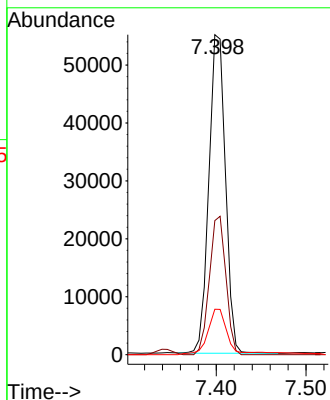
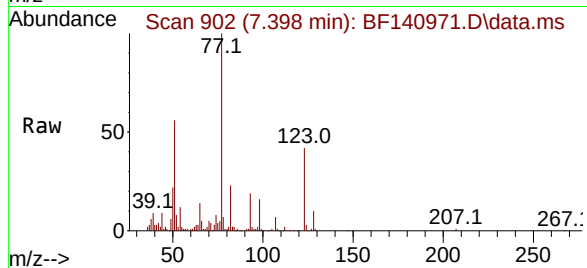




#24
Nitrobenzene
Concen: 4.120 ng
RT: 7.398 min Scan# 904
Delta R.T. -0.012 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

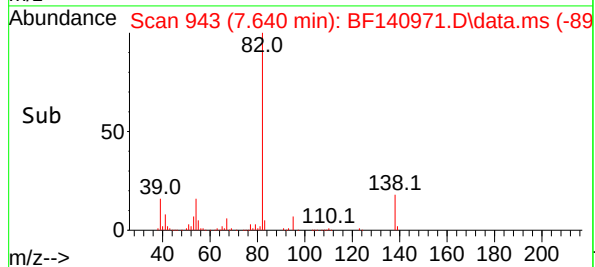
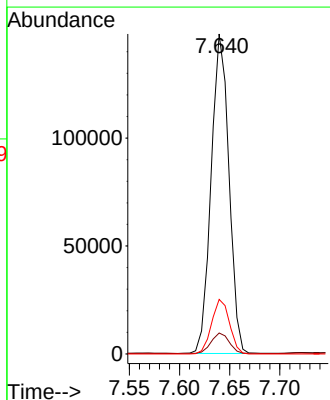
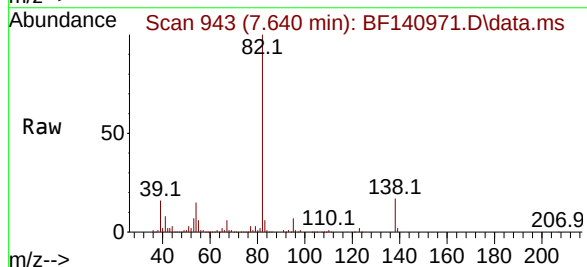
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

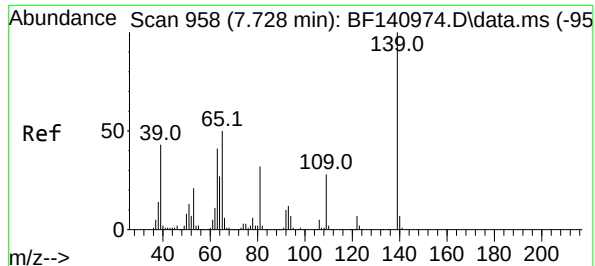
Tgt Ion	Ratio	Lower	Upper
77	100		
123	41.9	35.4	53.2
65	14.2	10.7	16.1



#25
Isophorone
Concen: 5.467 ng
RT: 7.640 min Scan# 943
Delta R.T. -0.012 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion	Ratio	Lower	Upper
82	100		
95	6.6	5.6	8.4
138	17.1	14.6	21.8





#26

2-Nitrophenol

Concen: 7.379 ng

RT: 7.722 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF140971.D

Acq: 26 Dec 2024 16:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

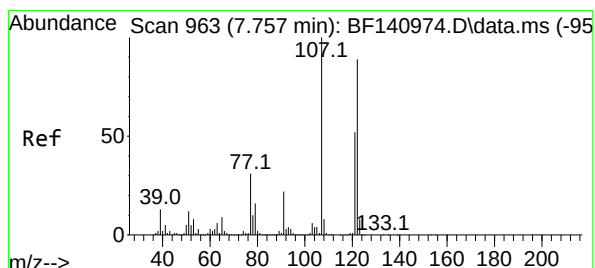
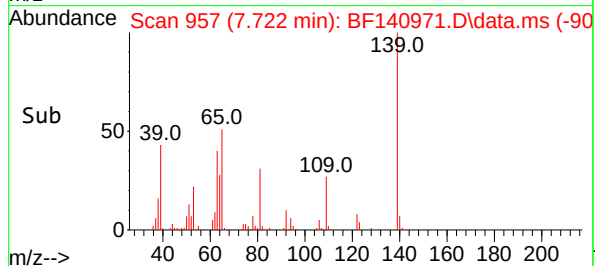
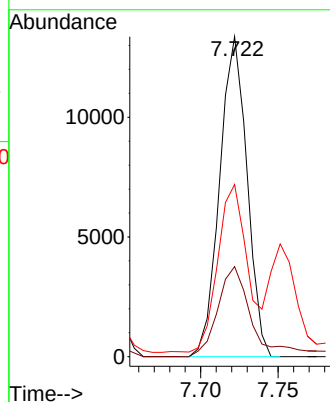
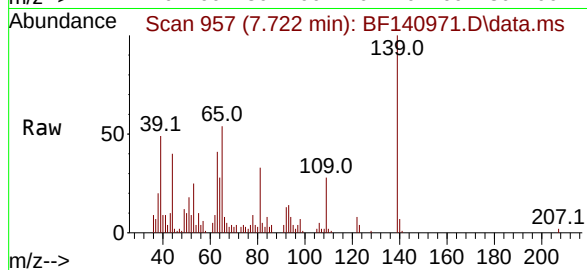
Tgt Ion:139 Resp: 16400

Ion Ratio Lower Upper

139 100

109 28.2 22.2 33.4

65 53.8 40.2 60.4



#27

2,4-Dimethylphenol

Concen: 5.391 ng

RT: 7.751 min Scan# 962

Delta R.T. -0.006 min

Lab File: BF140971.D

Acq: 26 Dec 2024 16:49

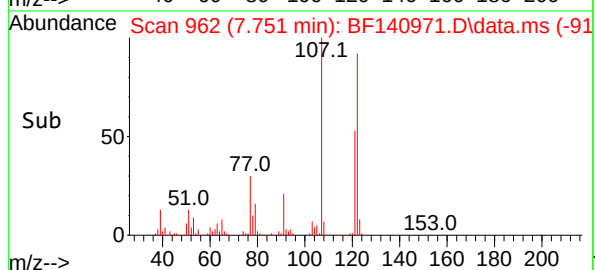
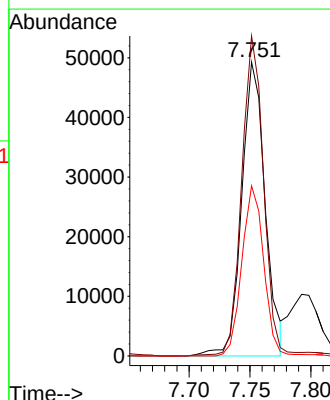
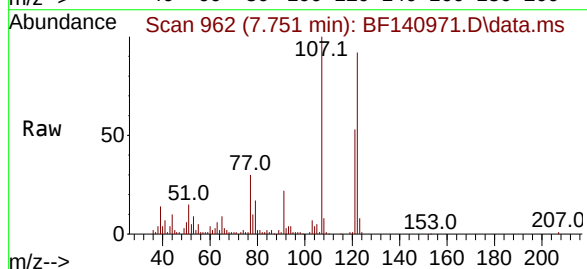
Tgt Ion:122 Resp: 65753

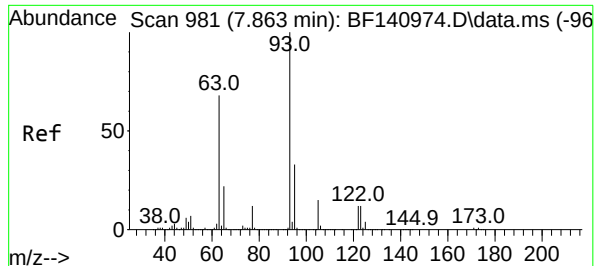
Ion Ratio Lower Upper

122 100

107 108.9 89.4 134.2

121 57.9 46.7 70.1

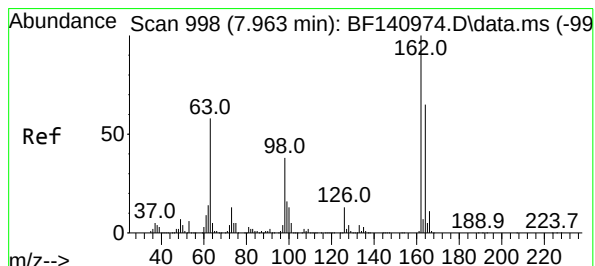
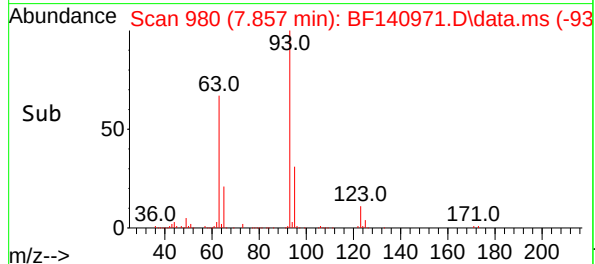
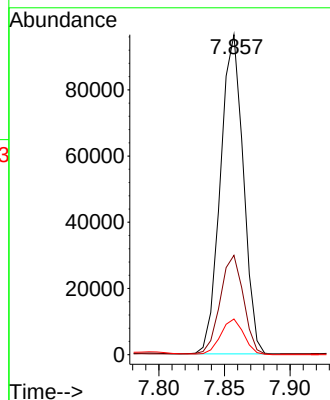
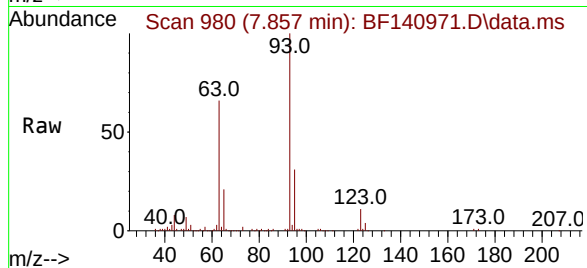




#28
bis(2-Chloroethoxy)methane
Concen: 5.534 ng
RT: 7.857 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

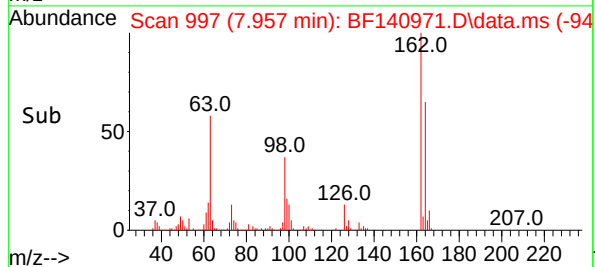
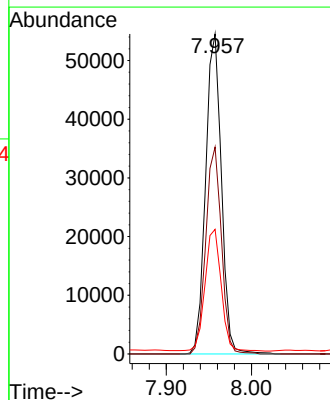
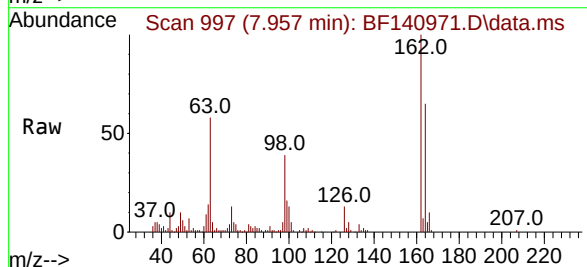
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

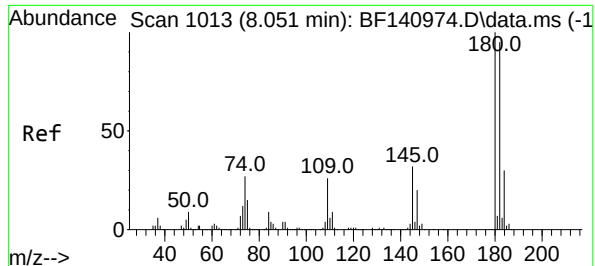
Tgt Ion: 93 Resp: 117023
Ion Ratio Lower Upper
93 100
95 31.1 26.2 39.4
123 11.2 9.9 14.9



#29
2,4-Dichlorophenol
Concen: 5.074 ng
RT: 7.957 min Scan# 997
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion: 162 Resp: 70187
Ion Ratio Lower Upper
162 100
164 64.6 44.8 84.8
98 38.9 18.6 58.6





#30

1,2,4-Trichlorobenzene

Concen: 5.549 ng

RT: 8.051 min Scan# 1013

Delta R.T. 0.000 min

Lab File: BF140971.D

Acq: 26 Dec 2024 16:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

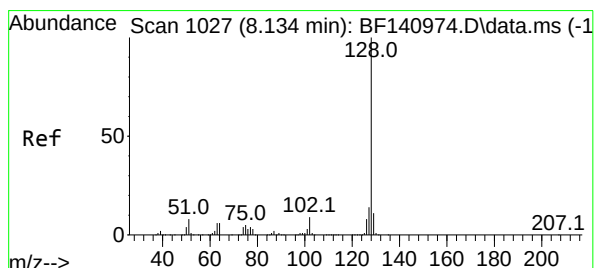
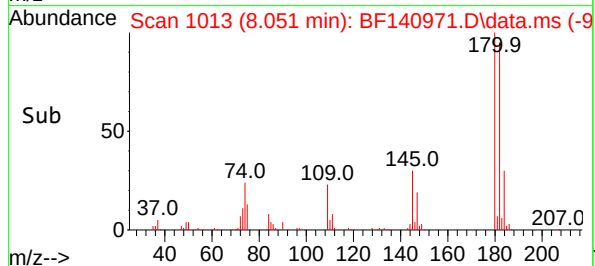
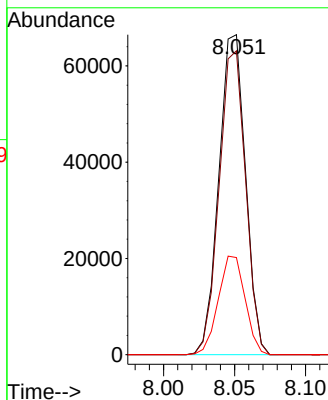
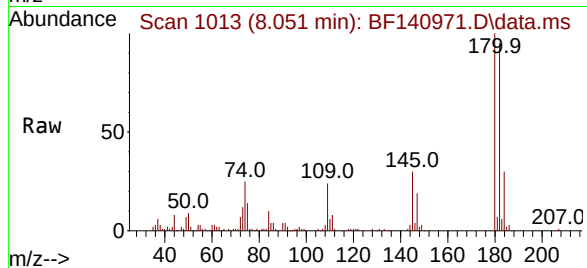
Tgt Ion:180 Resp: 86885

Ion Ratio Lower Upper

180 100

182 95.0 76.2 114.4

145 30.4 25.4 38.2



#31

Naphthalene

Concen: 5.734 ng

RT: 8.128 min Scan# 1026

Delta R.T. -0.006 min

Lab File: BF140971.D

Acq: 26 Dec 2024 16:49

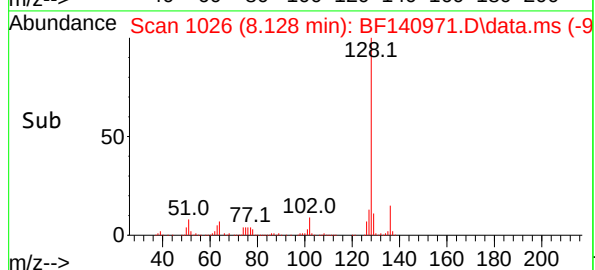
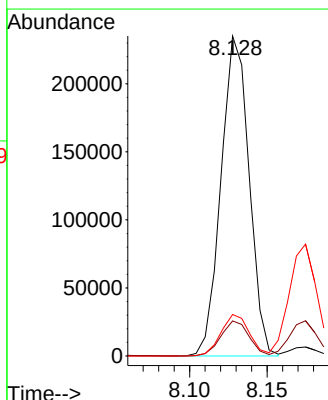
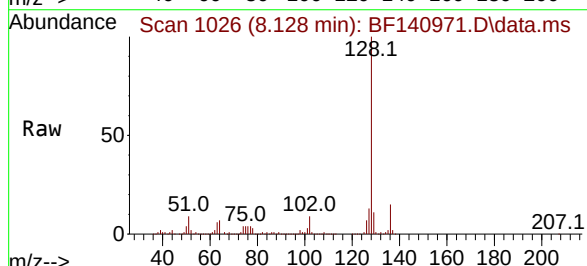
Tgt Ion:128 Resp: 296471

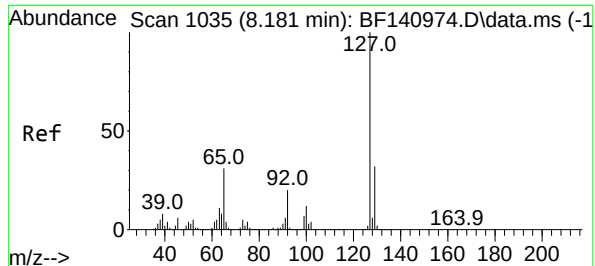
Ion Ratio Lower Upper

128 100

129 10.9 9.2 13.8

127 13.0 11.0 16.4

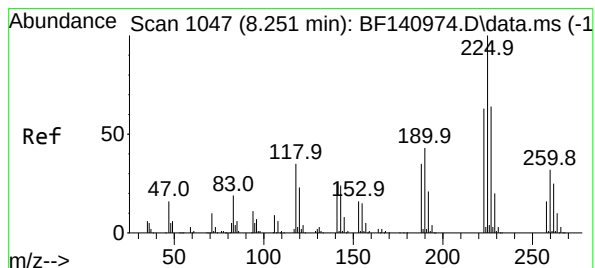
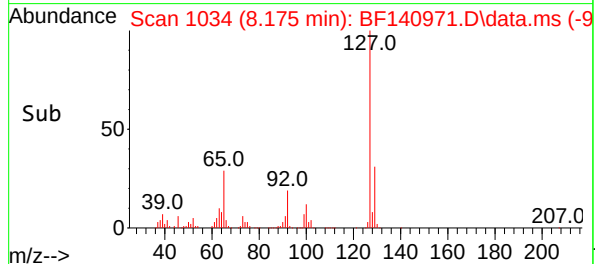
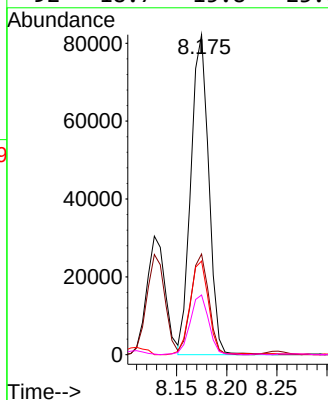
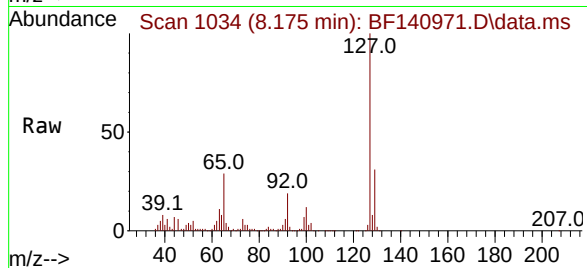




#33
4-Chloroaniline
Concen: 5.435 ng
RT: 8.175 min Scan# 1035
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

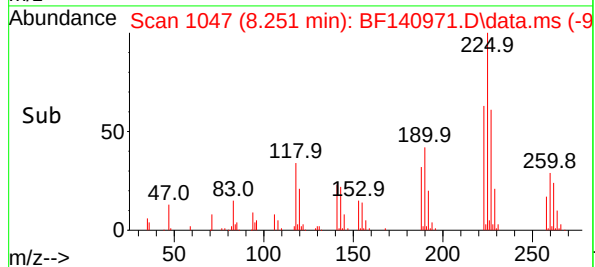
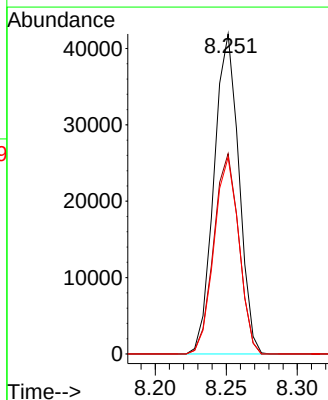
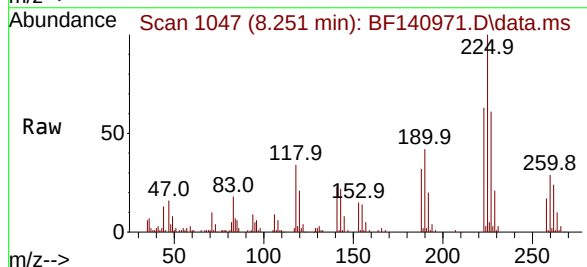
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

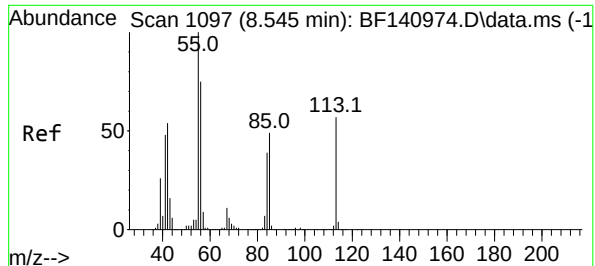
Tgt Ion:	127	Resp:	101675
Ion Ratio	Lower	Upper	
127	100		
129	31.4	26.1	39.1
65	29.3	24.6	37.0
92	18.7	15.8	23.6



#34
Hexachlorobutadiene
Concen: 5.527 ng
RT: 8.251 min Scan# 1047
Delta R.T. 0.000 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:	225	Resp:	51022
Ion Ratio	Lower	Upper	
225	100		
223	62.6	50.3	75.5
227	61.4	50.8	76.2

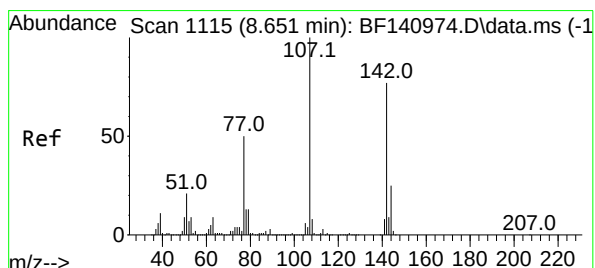
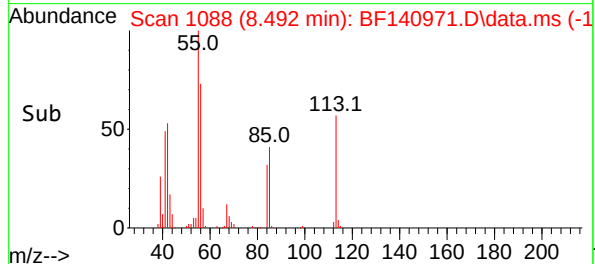
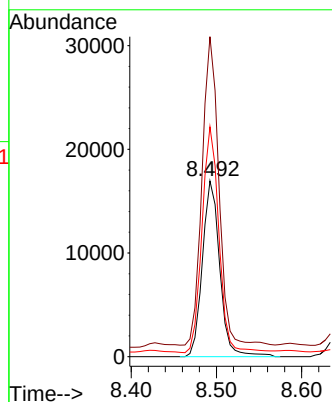
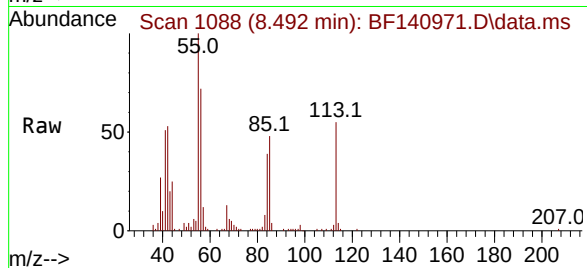




#35
Caprolactam
Concen: 5.102 ng
RT: 8.492 min Scan# 1097
Delta R.T. -0.053 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

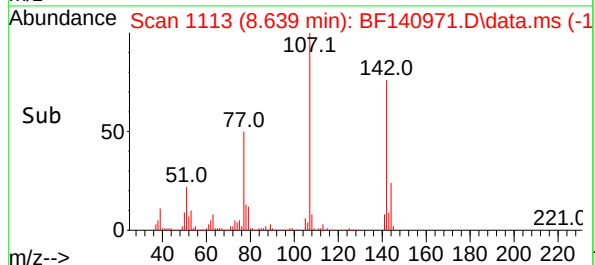
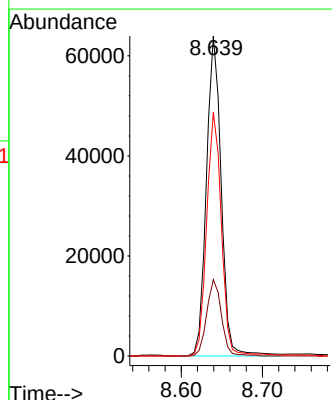
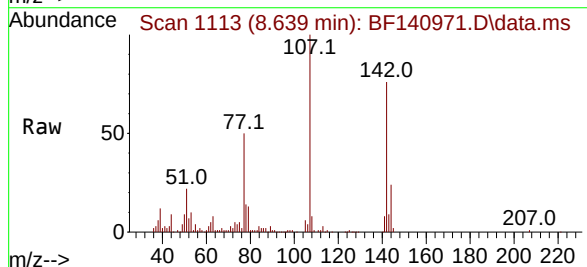
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

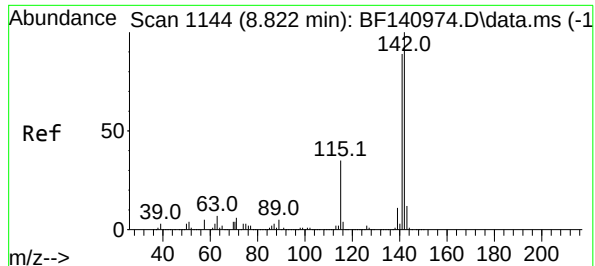
Tgt Ion	Ratio	Lower	Upper
113	100		
55	182.2	156.6	196.6
56	130.9	111.7	151.7



#36
4-Chloro-3-methylphenol
Concen: 5.271 ng
RT: 8.639 min Scan# 1113
Delta R.T. -0.012 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion	Ratio	Lower	Upper
107	100		
144	23.8	19.9	29.9
142	76.2	61.8	92.8





#37

2-Methylnaphthalene

Concen: 5.726 ng

RT: 8.816 min Scan# 1143

Delta R.T. -0.006 min

Lab File: BF140971.D

Acq: 26 Dec 2024 16:49

Instrument :

BNA_F

ClientSampleId :

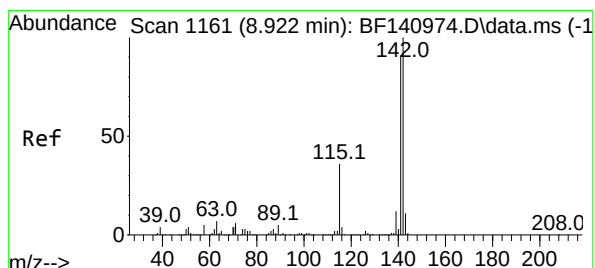
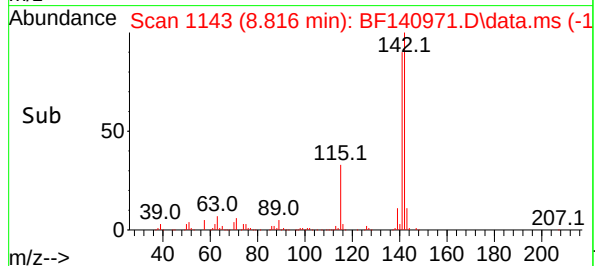
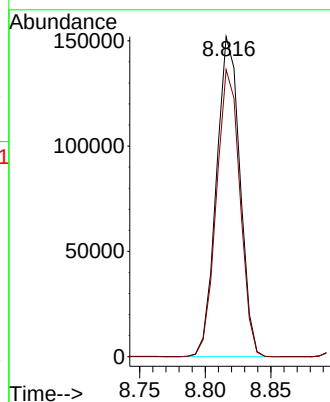
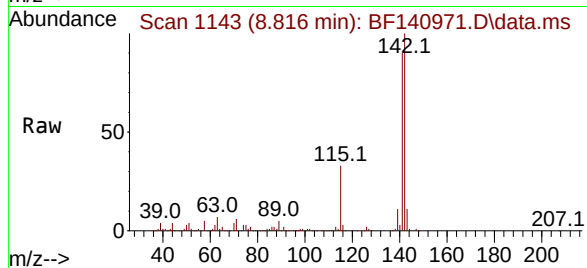
SSTDICC005

Tgt Ion:142 Resp: 189400

Ion Ratio Lower Upper

142 100

141 89.7 71.1 106.7



#38

1-Methylnaphthalene

Concen: 5.788 ng

RT: 8.916 min Scan# 1160

Delta R.T. -0.006 min

Lab File: BF140971.D

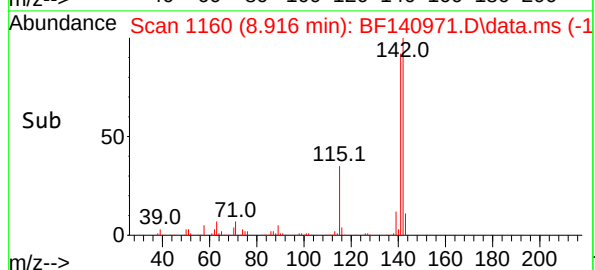
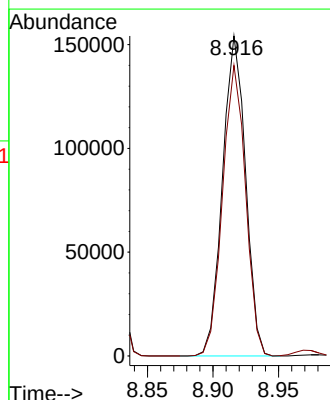
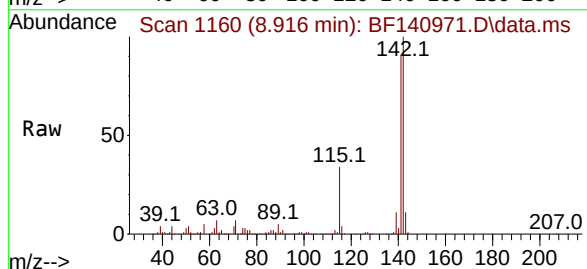
Acq: 26 Dec 2024 16:49

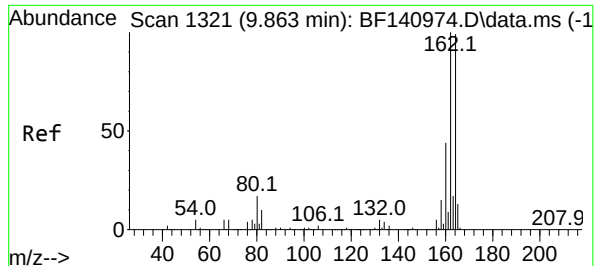
Tgt Ion:142 Resp: 188155

Ion Ratio Lower Upper

142 100

141 90.8 72.7 109.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.857 min Scan# 1171

Delta R.T. -0.006 min

Lab File: BF140971.D

Acq: 26 Dec 2024 16:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

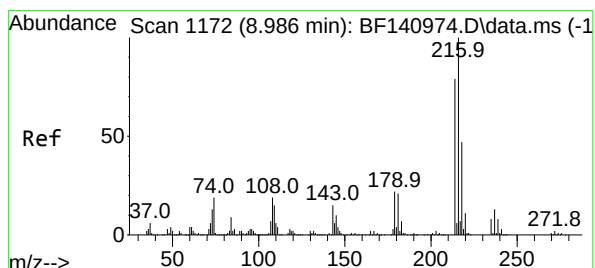
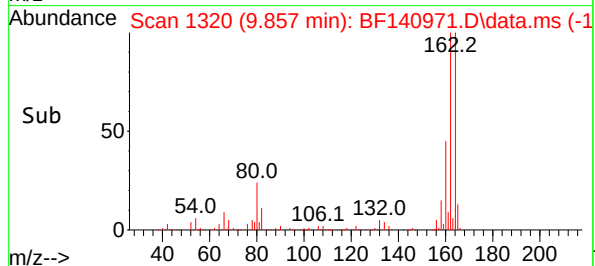
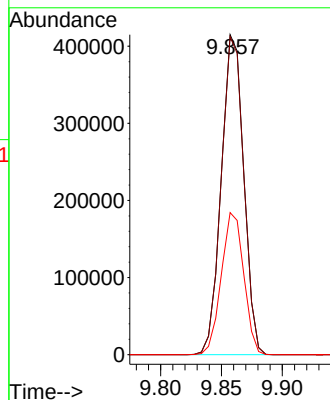
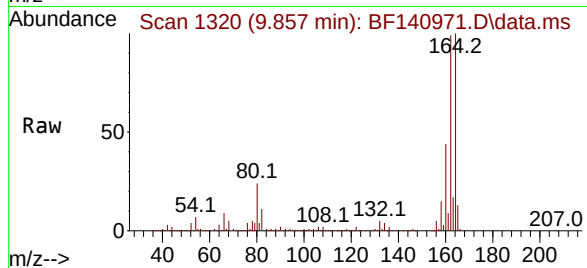
Tgt Ion:164 Resp: 532506

Ion Ratio Lower Upper

164 100

162 99.4 80.6 120.8

160 44.4 35.7 53.5



#40

1,2,4,5-Tetrachlorobenzene

Concen: 5.467 ng

RT: 8.981 min Scan# 1171

Delta R.T. -0.006 min

Lab File: BF140971.D

Acq: 26 Dec 2024 16:49

Tgt Ion:216 Resp: 80086

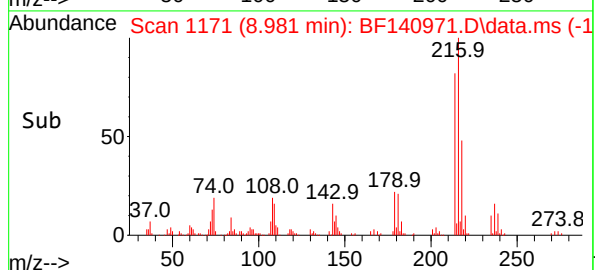
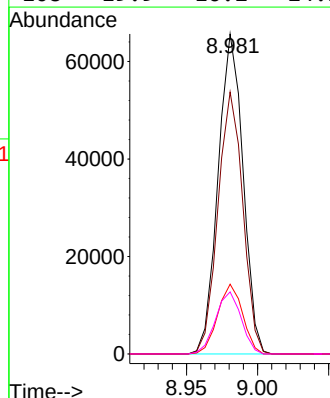
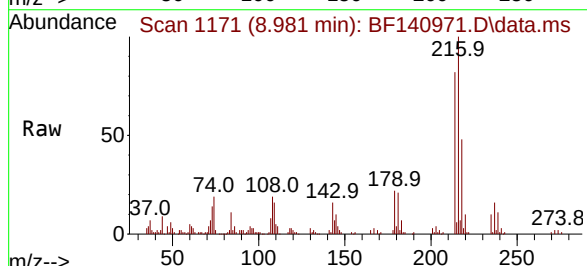
Ion Ratio Lower Upper

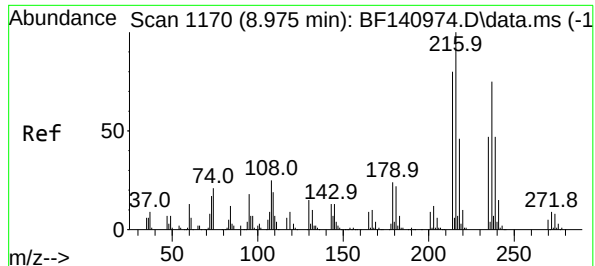
216 100

214 81.5 63.0 94.6

179 21.9 17.9 26.9

108 19.9 16.2 24.2

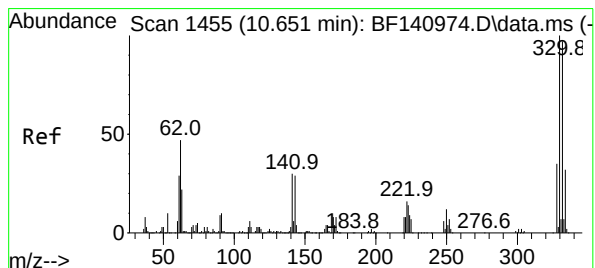
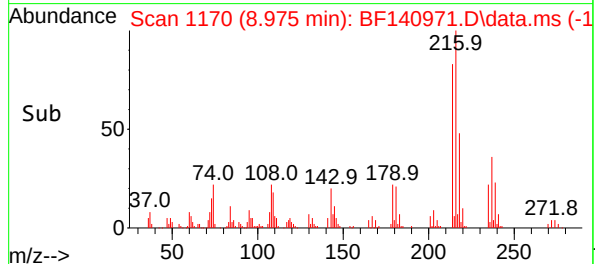
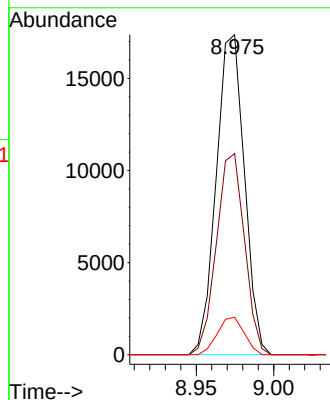
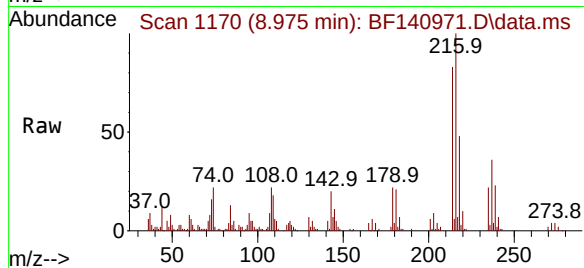




#41
Hexachlorocyclopentadiene
Concen: 4.531 ng
RT: 8.975 min Scan# 1170
Delta R.T. 0.000 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

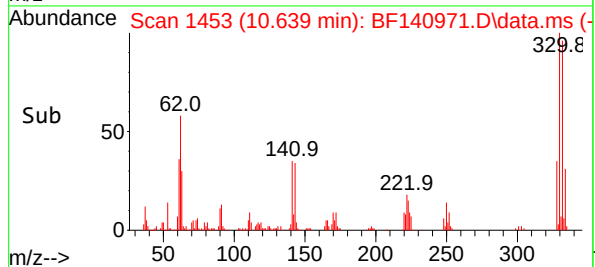
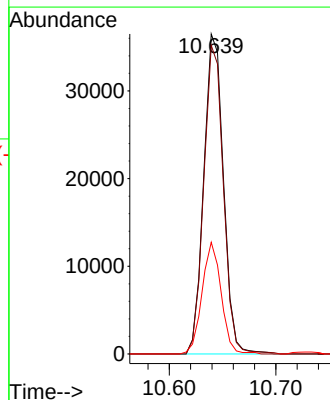
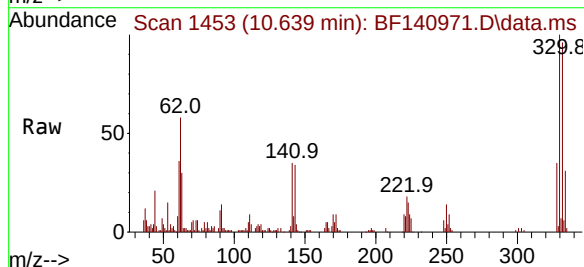
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

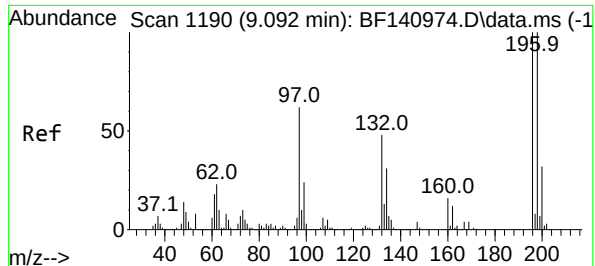
Tgt Ion	Ratio	Lower	Upper
237	100		
235	62.9	43.4	83.4
272	11.7	0.0	32.6



#42
2,4,6-Tribromophenol
Concen: 9.085 ng
RT: 10.639 min Scan# 1453
Delta R.T. -0.012 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.1	78.0	117.0
141	33.9	26.4	39.6





#43

2,4,6-Trichlorophenol

Concen: 4.837 ng

RT: 9.086 min Scan# 1189

Delta R.T. -0.006 min

Lab File: BF140971.D

Acq: 26 Dec 2024 16:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

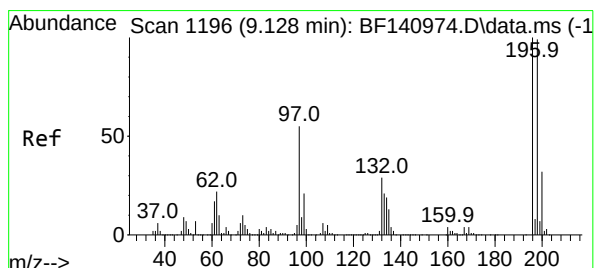
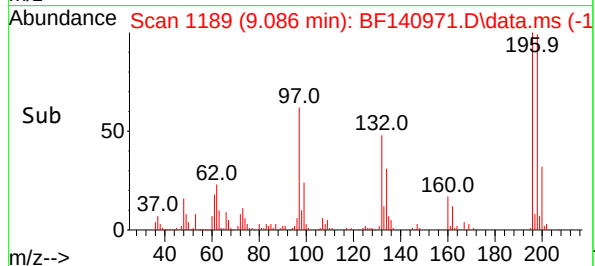
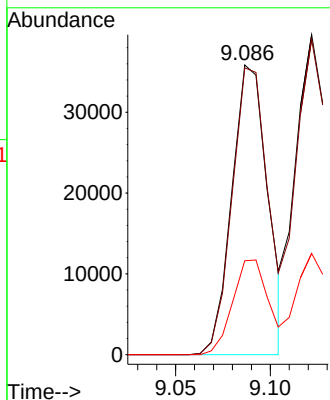
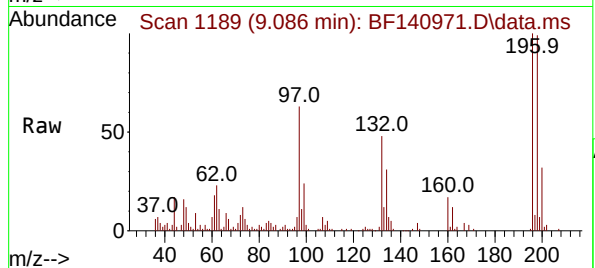
Tgt Ion:196 Resp: 47166

Ion Ratio Lower Upper

196 100

198 99.0 80.2 120.4

200 32.4 25.8 38.6



#44

2,4,5-Trichlorophenol

Concen: 4.955 ng

RT: 9.122 min Scan# 1195

Delta R.T. -0.006 min

Lab File: BF140971.D

Acq: 26 Dec 2024 16:49

Tgt Ion:196 Resp: 49432

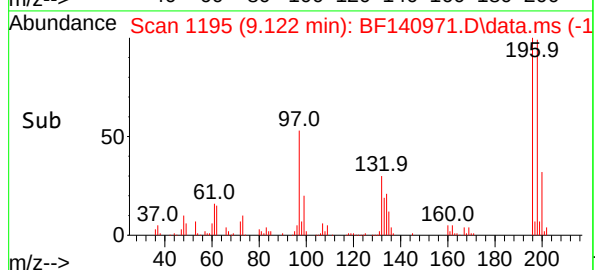
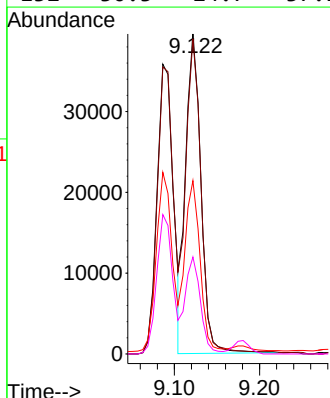
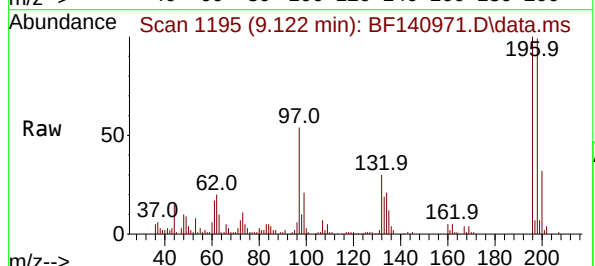
Ion Ratio Lower Upper

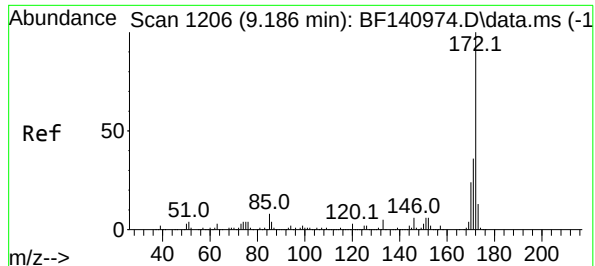
196 100

198 98.5 79.9 119.9

97 54.2 44.3 66.5

132 30.3 24.7 37.1





#45

2-Fluorobiphenyl

Concen: 12.312 ng

RT: 9.181 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140971.D

Acq: 26 Dec 2024 16:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

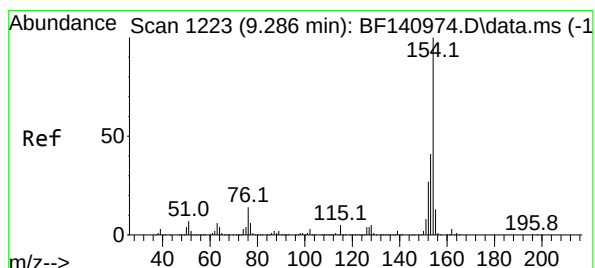
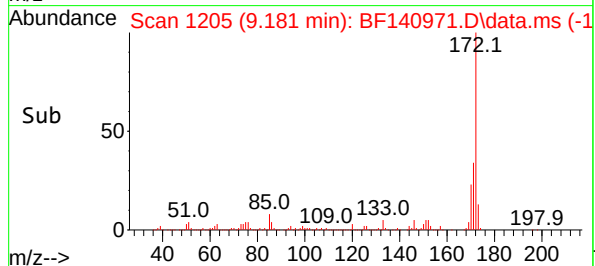
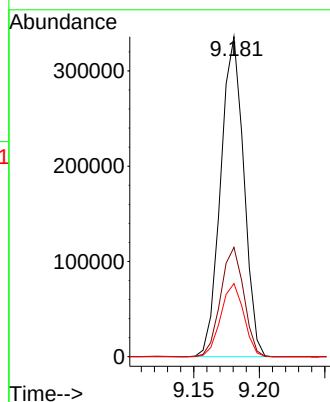
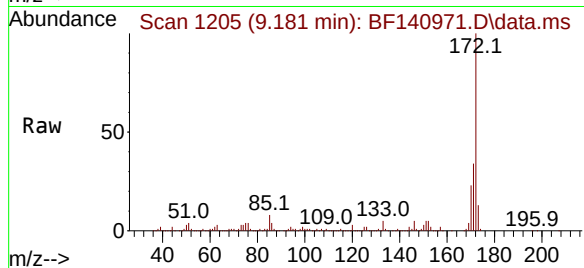
Tgt Ion:172 Resp: 411497

Ion Ratio Lower Upper

172 100

171 34.1 29.0 43.4

170 22.8 19.6 29.4



#46

1,1'-Biphenyl

Concen: 5.797 ng

RT: 9.281 min Scan# 1222

Delta R.T. -0.005 min

Lab File: BF140971.D

Acq: 26 Dec 2024 16:49

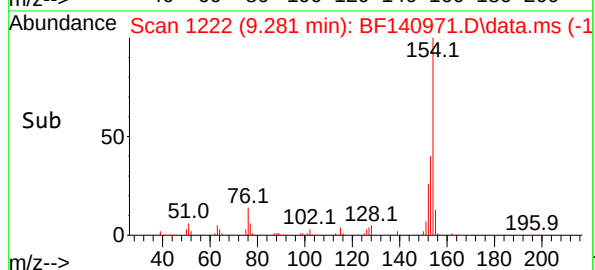
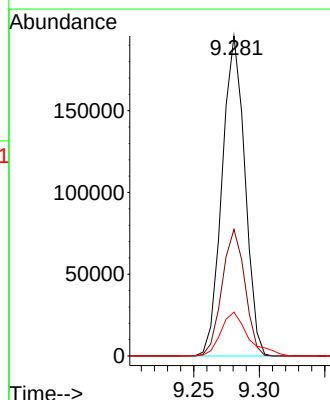
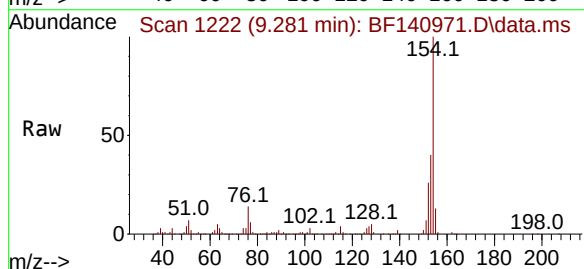
Tgt Ion:154 Resp: 236377

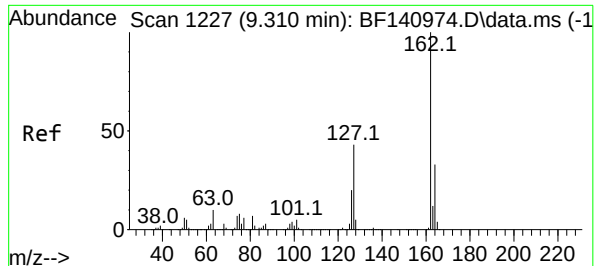
Ion Ratio Lower Upper

154 100

153 39.5 20.9 60.9

76 13.7 0.0 34.0





#47

2-Chloronaphthalene

Concen: 5.732 ng

RT: 9.304 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140971.D

Acq: 26 Dec 2024 16:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

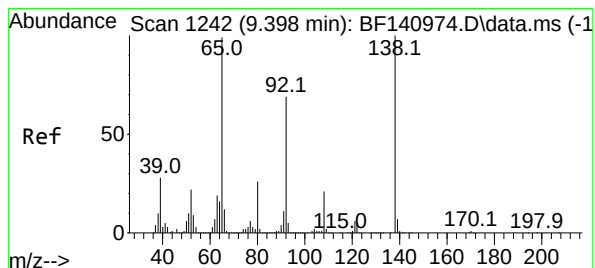
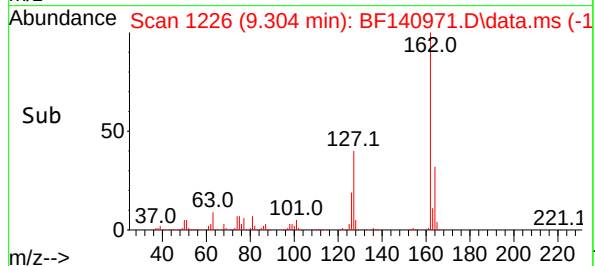
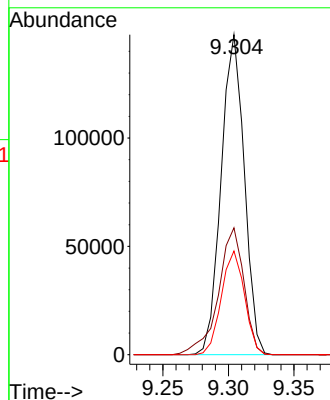
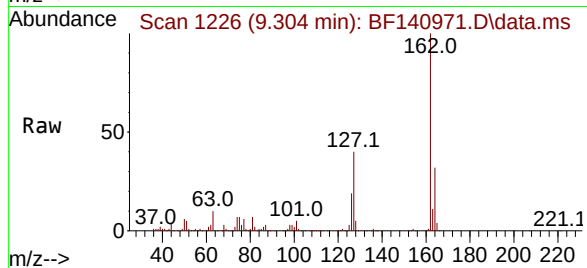
Tgt Ion:162 Resp: 181255

Ion Ratio Lower Upper

162 100

127 39.7 34.2 51.4

164 32.4 26.6 40.0



#48

2-Nitroaniline

Concen: 6.658 ng

RT: 9.392 min Scan# 1241

Delta R.T. -0.006 min

Lab File: BF140971.D

Acq: 26 Dec 2024 16:49

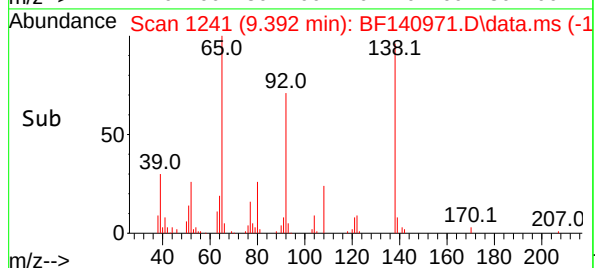
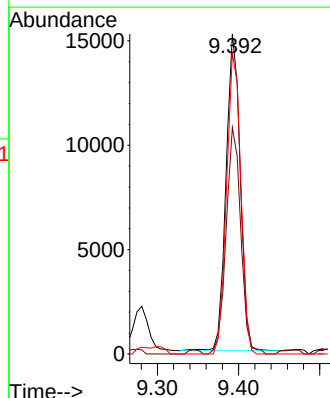
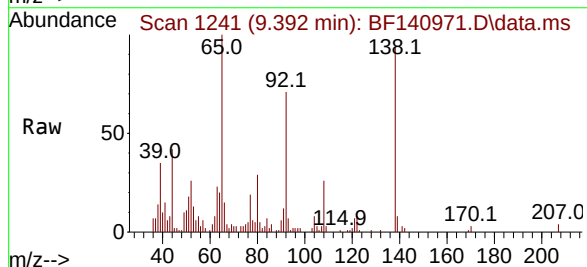
Tgt Ion: 65 Resp: 18450

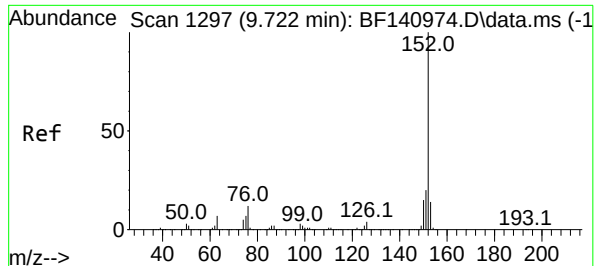
Ion Ratio Lower Upper

65 100

92 70.7 55.6 83.4

138 93.9 80.5 120.7





#49

Acenaphthylene

Concen: 5.656 ng

RT: 9.716 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140971.D

Acq: 26 Dec 2024 16:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

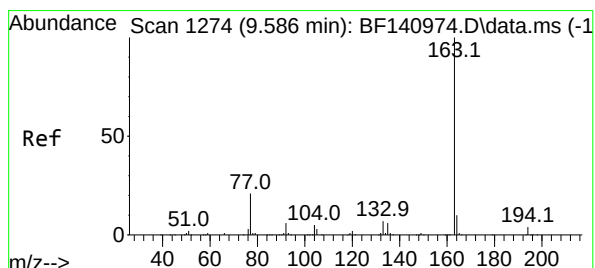
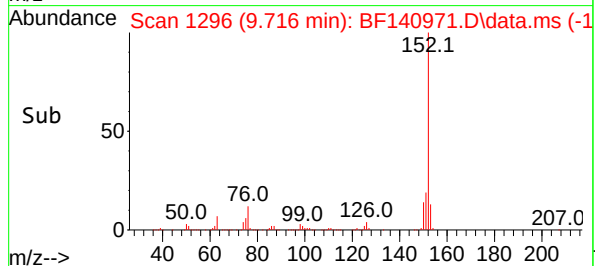
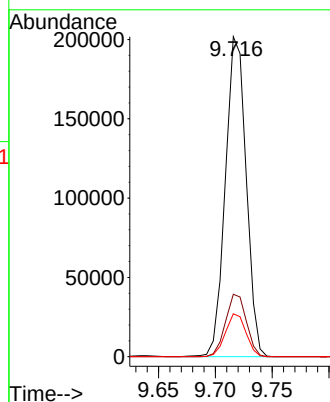
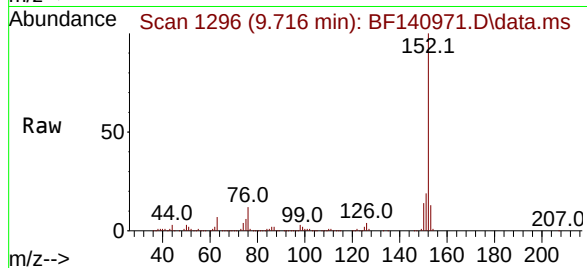
Tgt Ion:152 Resp: 257474

Ion Ratio Lower Upper

152 100

151 19.5 16.2 24.4

153 13.4 11.4 17.0



#50

Dimethylphthalate

Concen: 5.465 ng

RT: 9.575 min Scan# 1272

Delta R.T. -0.011 min

Lab File: BF140971.D

Acq: 26 Dec 2024 16:49

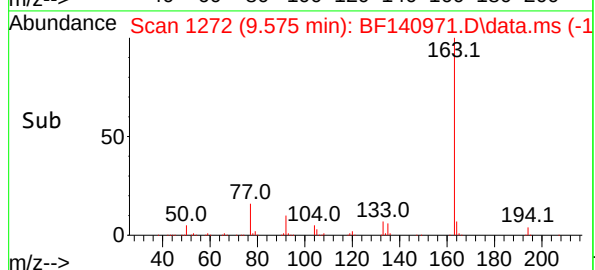
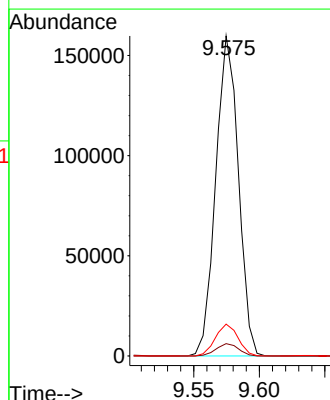
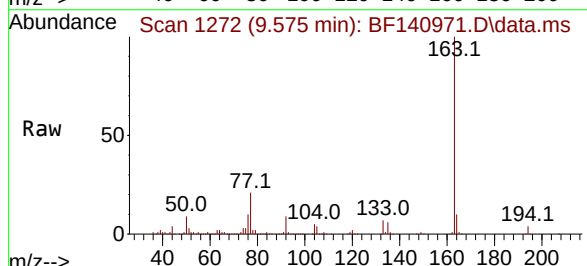
Tgt Ion:163 Resp: 191408

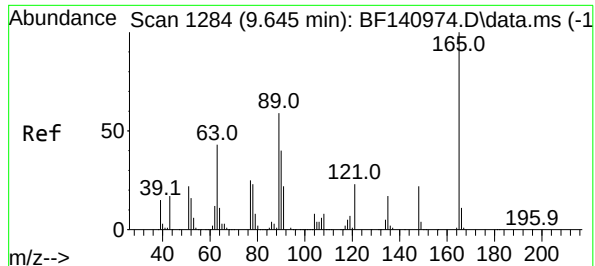
Ion Ratio Lower Upper

163 100

194 3.8 3.1 4.7

164 10.0 8.3 12.5





#51

2,6-Dinitrotoluene

Concen: 5.865 ng

RT: 9.634 min Scan# 11

Delta R.T. -0.011 min

Lab File: BF140971.D

Acq: 26 Dec 2024 16:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

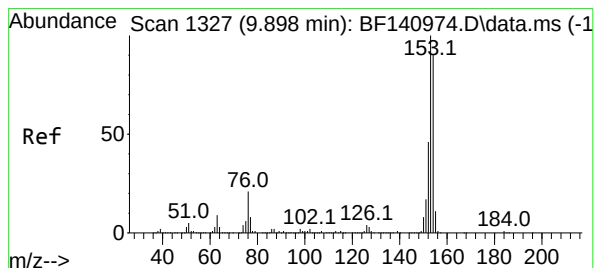
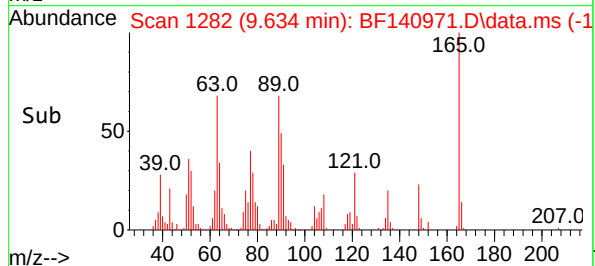
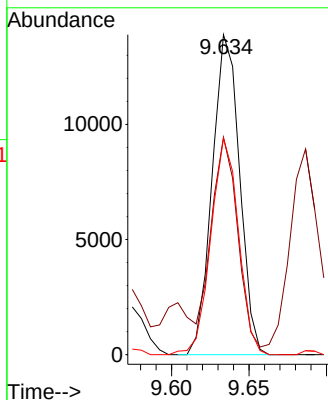
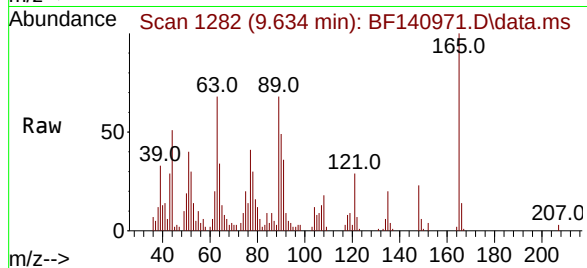
Tgt Ion:165 Resp: 17091

Ion Ratio Lower Upper

165 100

63 67.9 47.1 70.7

89 67.7 47.0 70.4



#52

Acenaphthene

Concen: 5.576 ng

RT: 9.892 min Scan# 1326

Delta R.T. -0.006 min

Lab File: BF140971.D

Acq: 26 Dec 2024 16:49

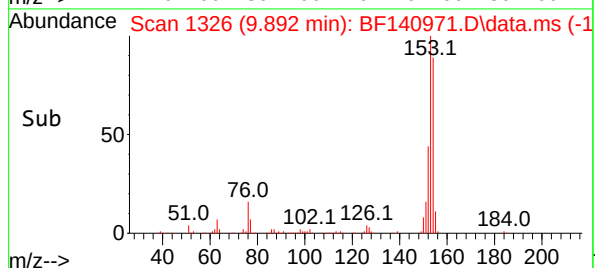
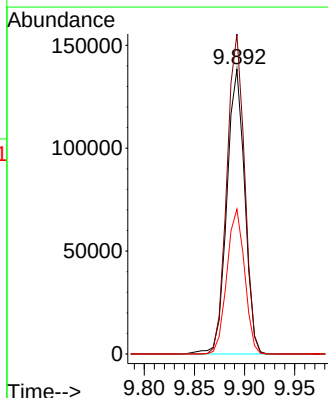
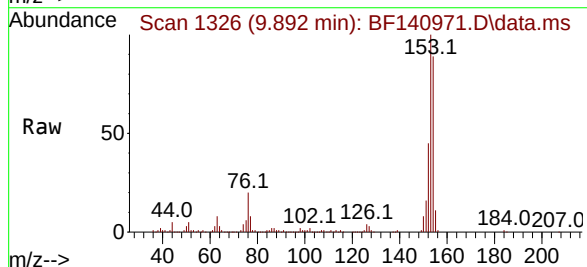
Tgt Ion:154 Resp: 171603

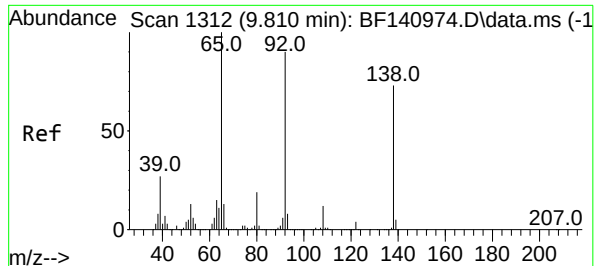
Ion Ratio Lower Upper

154 100

153 112.4 89.2 133.8

152 50.8 40.9 61.3

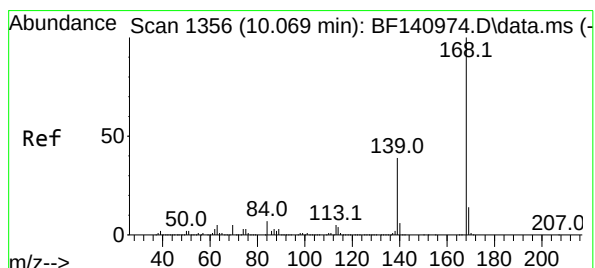
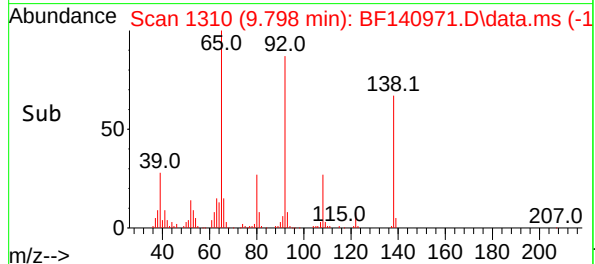
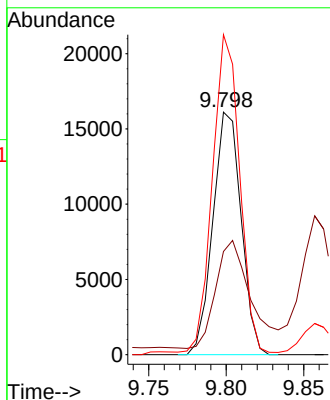
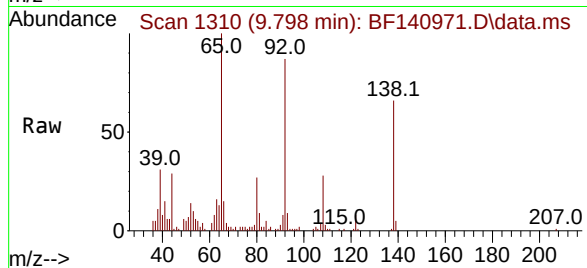




#53
3-Nitroaniline
Concen: 5.713 ng
RT: 9.798 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

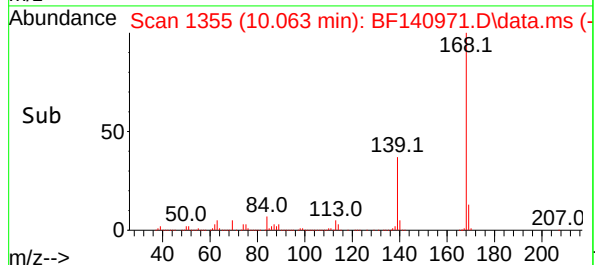
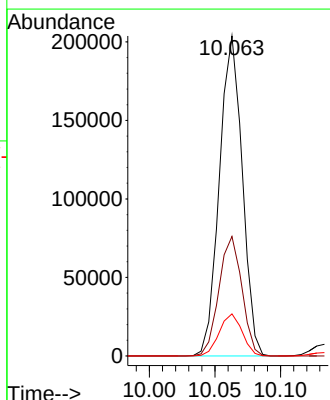
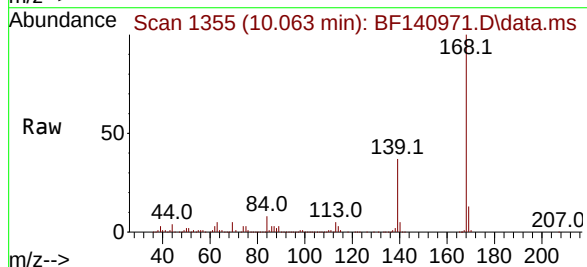
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

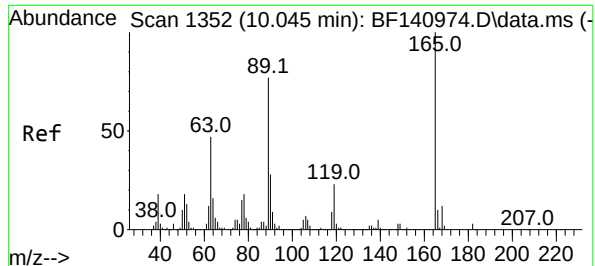
Tgt Ion:138 Resp: 20408
Ion Ratio Lower Upper
138 100
108 42.5 13.5 20.3#
92 131.9 97.7 146.5



#55
Dibenzofuran
Concen: 5.715 ng
RT: 10.063 min Scan# 1355
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:168 Resp: 247167
Ion Ratio Lower Upper
168 100
139 37.4 31.6 47.4
169 13.1 11.0 16.6





#57

2,4-Dinitrotoluene

Concen: 6.371 ng

RT: 10.033 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF140971.D

Acq: 26 Dec 2024 16:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:165 Resp: 18052

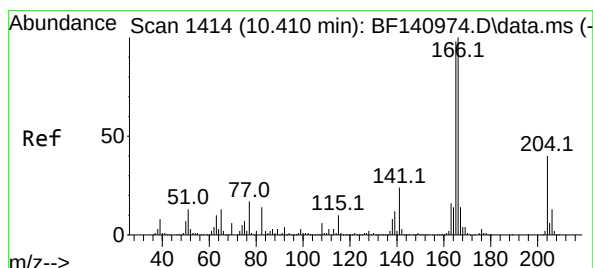
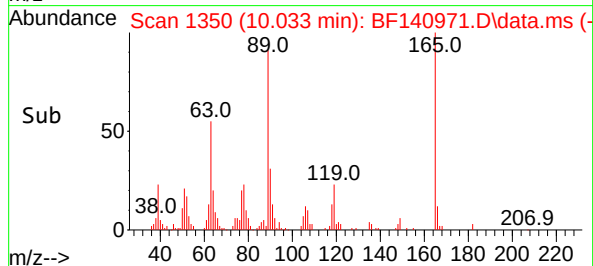
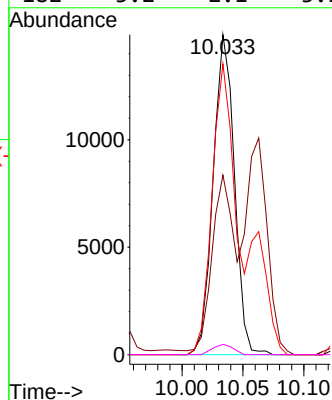
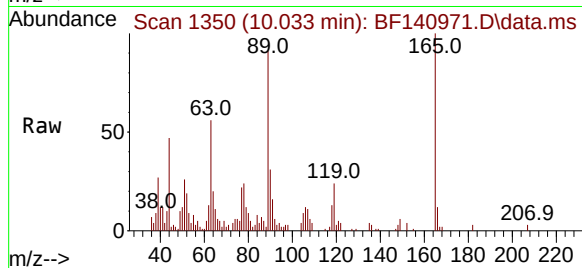
Ion Ratio Lower Upper

165 100

63 56.1 38.1 57.1

89 90.9 61.4 92.2

182 3.2 2.1 3.1#



#58

Fluorene

Concen: 5.943 ng

RT: 10.404 min Scan# 1413

Delta R.T. -0.006 min

Lab File: BF140971.D

Acq: 26 Dec 2024 16:49

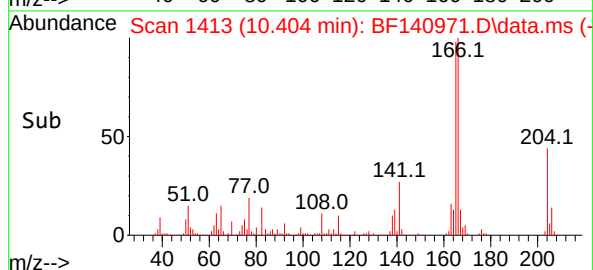
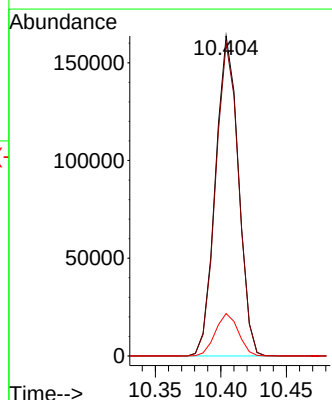
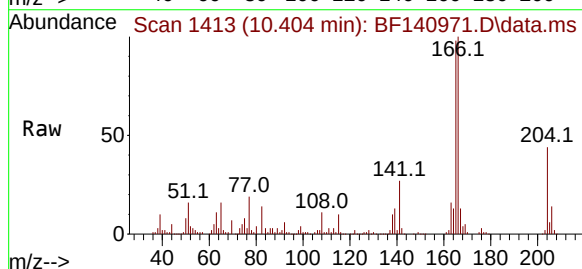
Tgt Ion:166 Resp: 199322

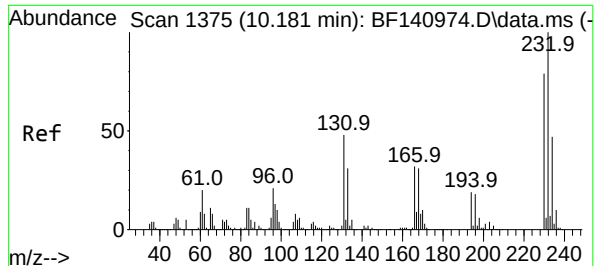
Ion Ratio Lower Upper

166 100

165 97.7 78.3 117.5

167 13.3 10.9 16.3





#59

2,3,4,6-Tetrachlorophenol

Concen: 4.882 ng

RT: 10.175 min Scan# 1375

Delta R.T. -0.006 min

Lab File: BF140971.D

Acq: 26 Dec 2024 16:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:232 Resp: 40337

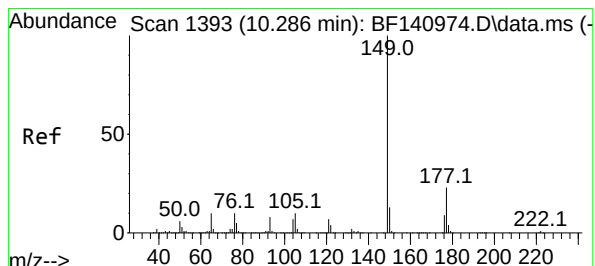
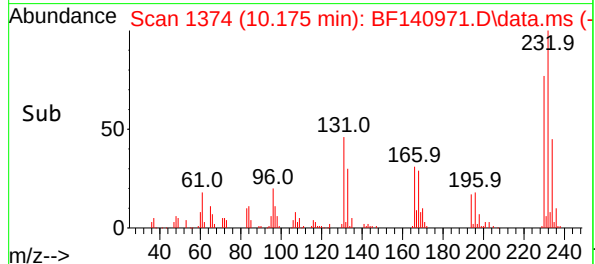
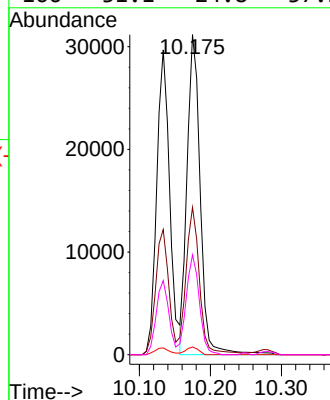
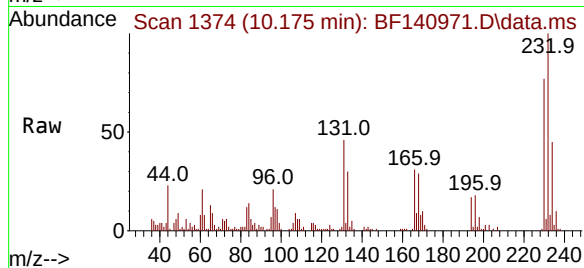
Ion Ratio Lower Upper

232 100

131 47.2 37.4 56.2

130 2.3 1.8 2.8

166 31.1 24.8 37.2



#60

Diethylphthalate

Concen: 5.518 ng

RT: 10.275 min Scan# 1391

Delta R.T. -0.012 min

Lab File: BF140971.D

Acq: 26 Dec 2024 16:49

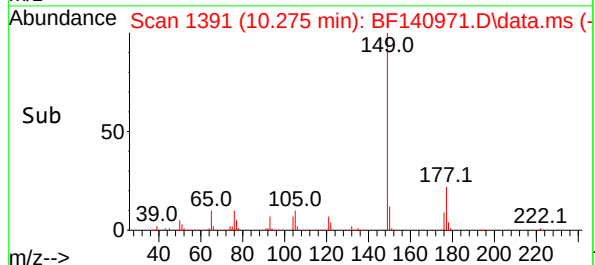
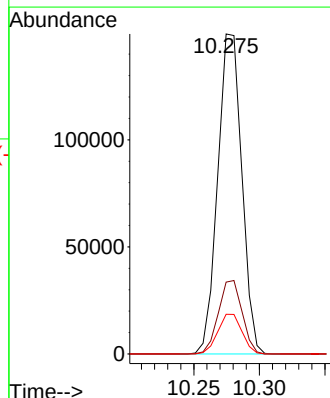
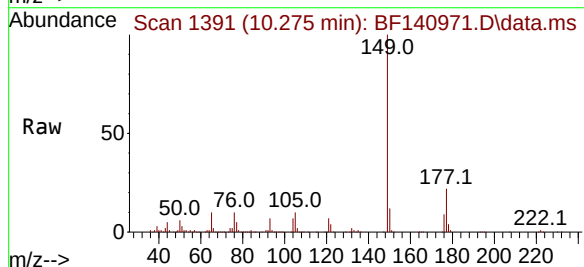
Tgt Ion:149 Resp: 190810

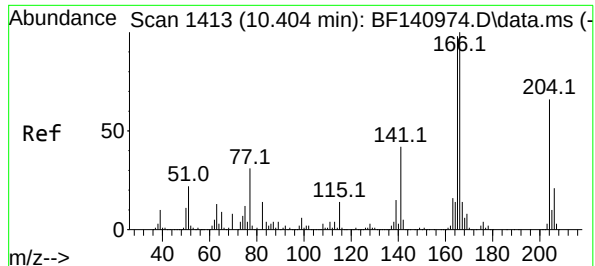
Ion Ratio Lower Upper

149 100

177 22.4 18.3 27.5

150 12.4 10.4 15.6

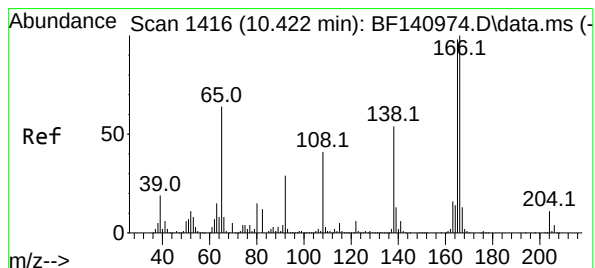
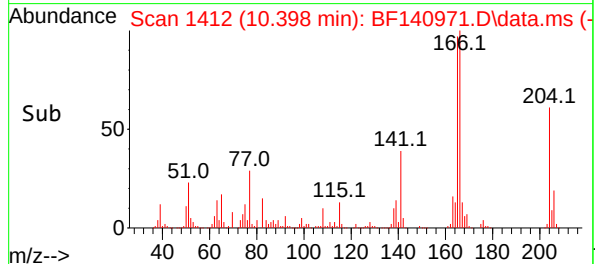
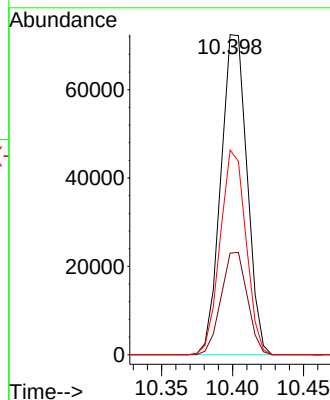
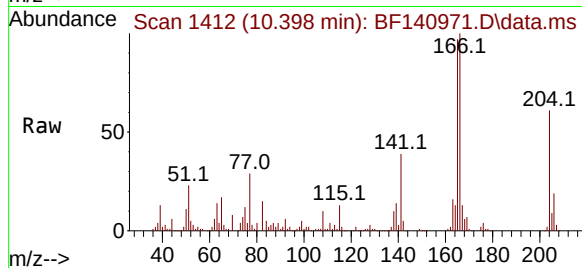




#61
4-Chlorophenyl-phenylether
Concen: 5.773 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

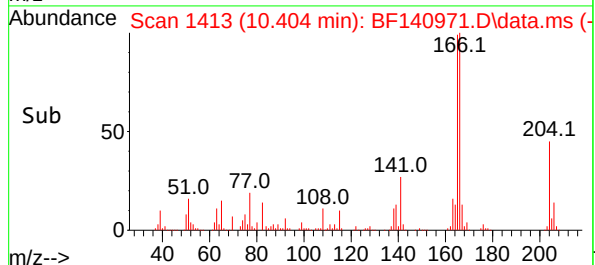
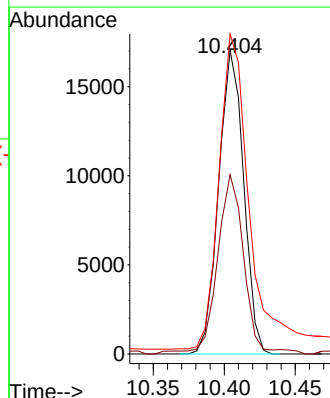
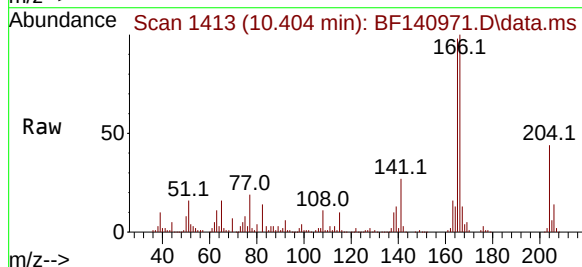
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

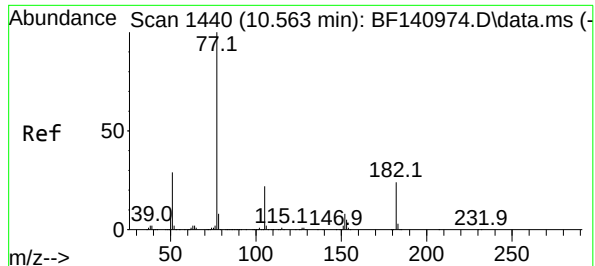
Tgt Ion:204 Resp: 93161
Ion Ratio Lower Upper
204 100
206 31.8 25.8 38.6
141 64.0 51.2 76.8



#62
4-Nitroaniline
Concen: 5.839 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.018 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:138 Resp: 20793
Ion Ratio Lower Upper
138 100
92 59.1 34.8 74.8
108 105.4 55.9 95.9#

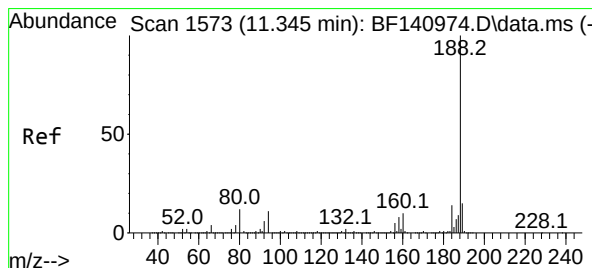
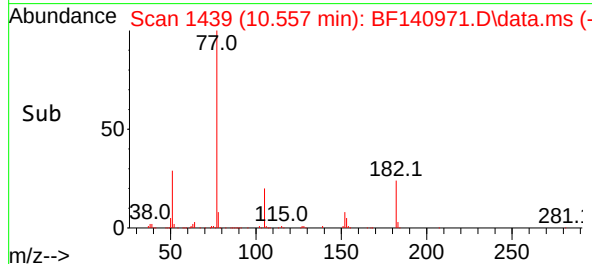
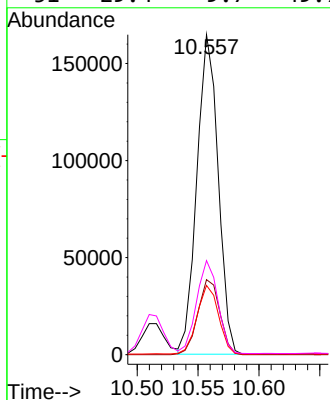
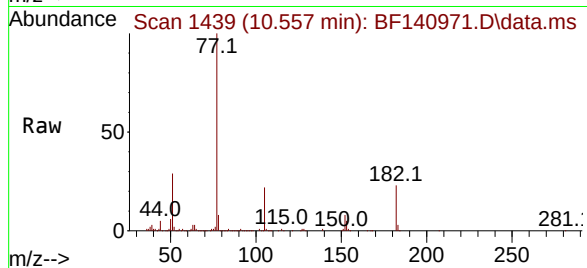




#63
Azobenzene
Concen: 5.508 ng
RT: 10.557 min Scan# 1440
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

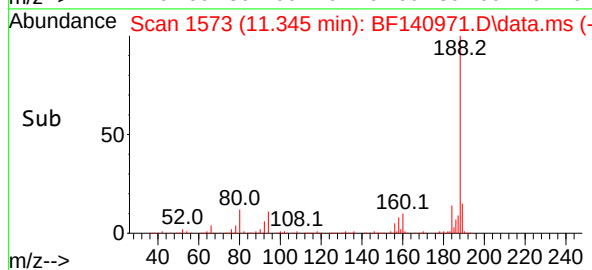
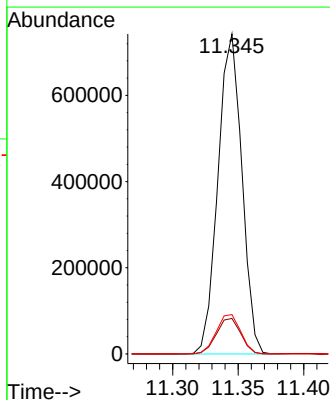
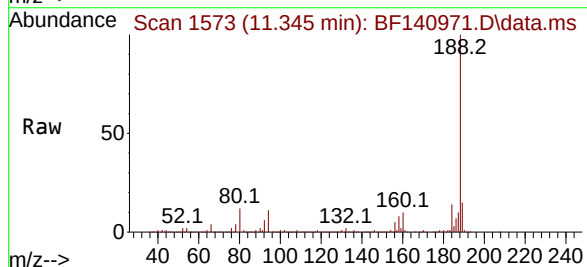
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

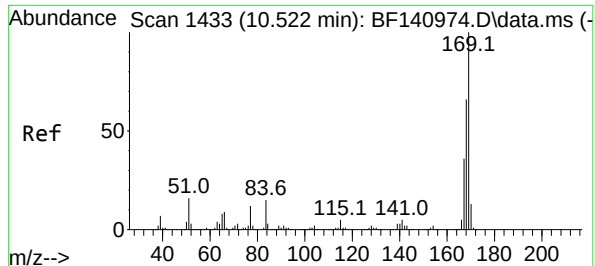
Tgt Ion: 77 Resp: 199905
Ion Ratio Lower Upper
77 100
182 23.5 4.1 44.1
105 21.7 1.8 41.8
51 29.4 9.7 49.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1573
Delta R.T. 0.000 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion: 188 Resp: 938555
Ion Ratio Lower Upper
188 100
94 11.1 9.0 13.6
80 12.3 9.8 14.6

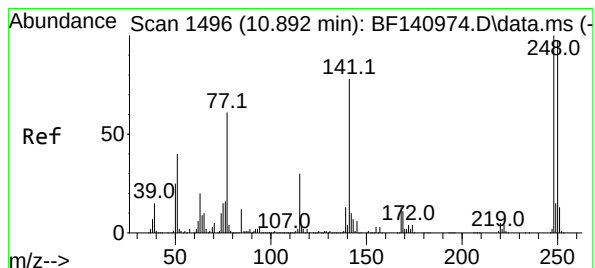
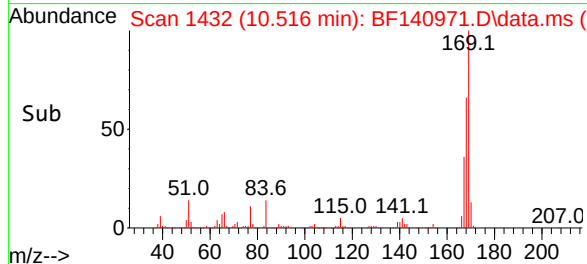
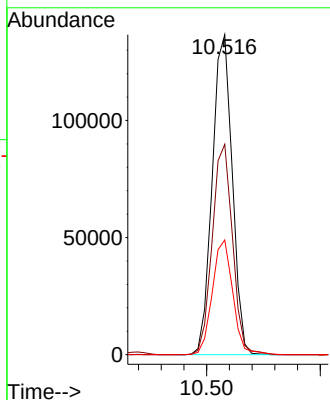
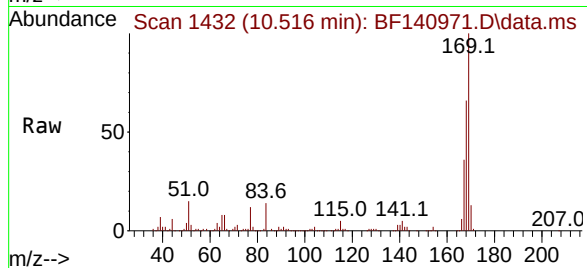




#66
n-Nitrosodiphenylamine
Concen: 5.654 ng
RT: 10.516 min Scan# 1432
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

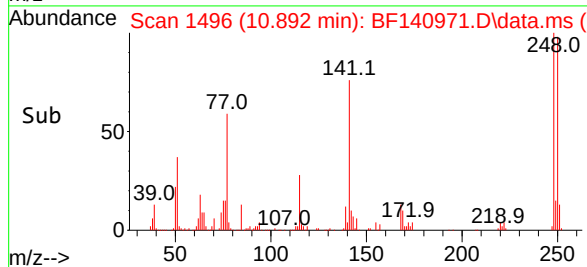
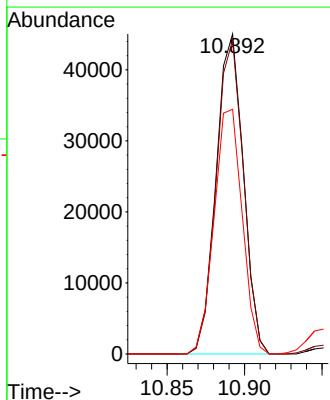
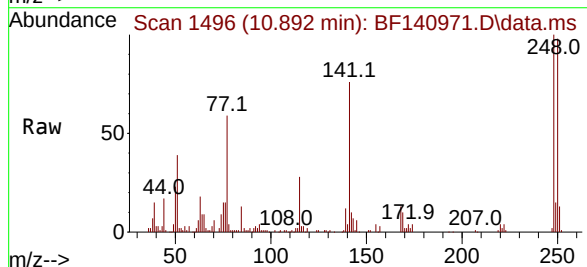
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

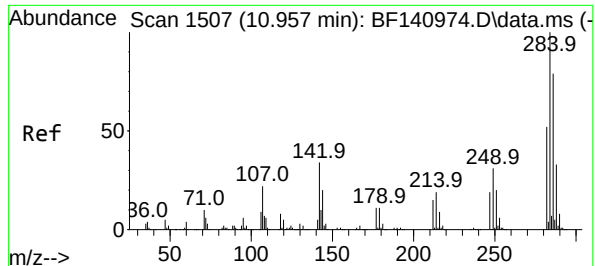
Tgt Ion:169 Resp: 167108
Ion Ratio Lower Upper
169 100
168 65.8 52.6 79.0
167 35.8 29.0 43.4



#67
4-Bromophenyl-phenylether
Concen: 5.442 ng
RT: 10.892 min Scan# 1496
Delta R.T. 0.000 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:248 Resp: 55213
Ion Ratio Lower Upper
248 100
250 98.2 77.7 116.5
141 76.4 62.1 93.1





#68

Hexachlorobenzene

Concen: 5.483 ng

RT: 10.951 min Scan# 1506

Delta R.T. -0.006 min

Lab File: BF140971.D

Acq: 26 Dec 2024 16:49

Instrument :

BNA_F

ClientSampleId :

SSTDIC005

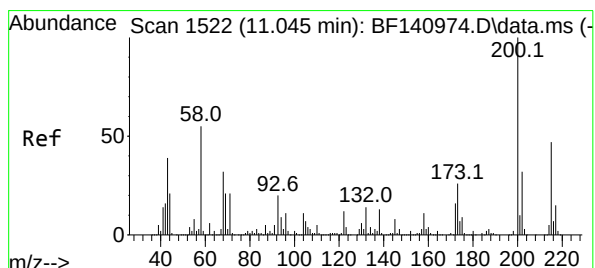
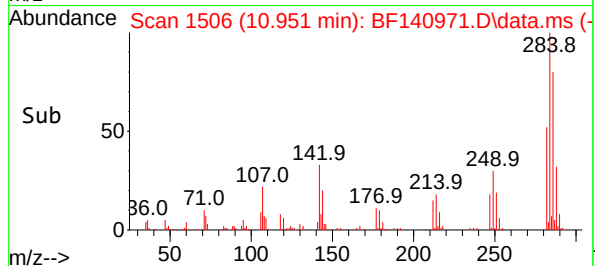
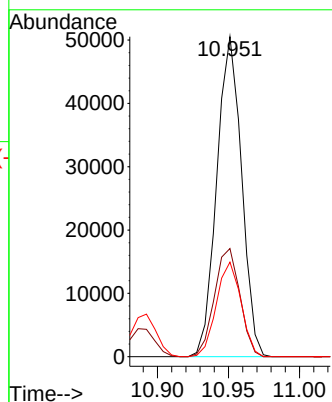
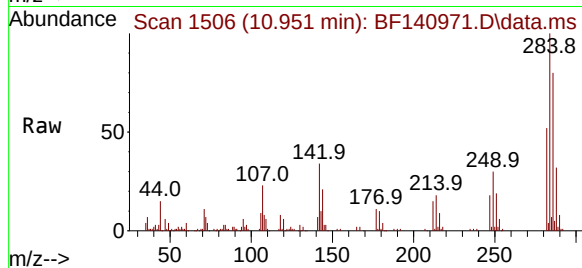
Tgt Ion:284 Resp: 61339

Ion Ratio Lower Upper

284 100

142 33.8 27.1 40.7

249 29.6 25.1 37.7



#69

Atrazine

Concen: 6.209 ng

RT: 11.039 min Scan# 1521

Delta R.T. -0.006 min

Lab File: BF140971.D

Acq: 26 Dec 2024 16:49

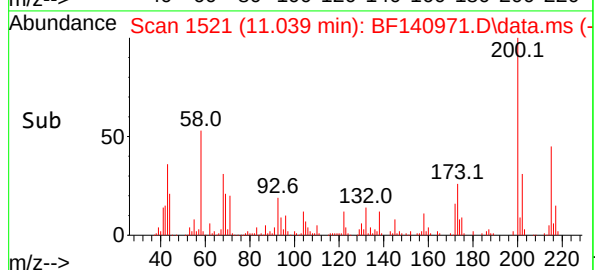
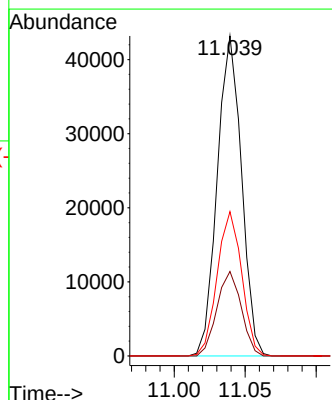
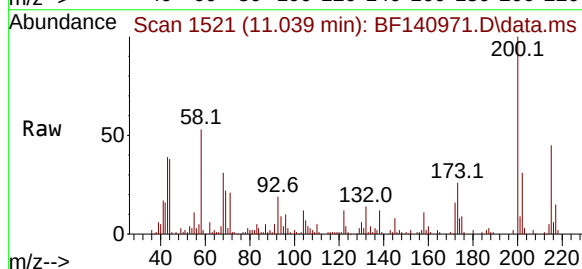
Tgt Ion:200 Resp: 51263

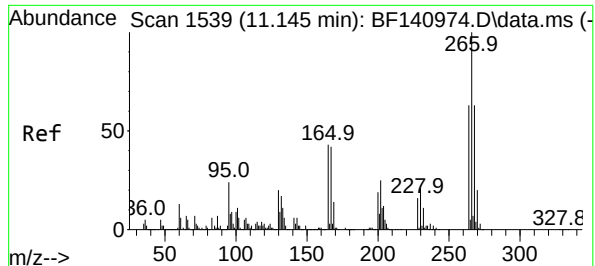
Ion Ratio Lower Upper

200 100

173 26.4 6.4 46.4

215 45.1 27.2 67.2





#70

Pentachlorophenol

Concen: 4.096 ng

RT: 11.139 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140971.D

Acq: 26 Dec 2024 16:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

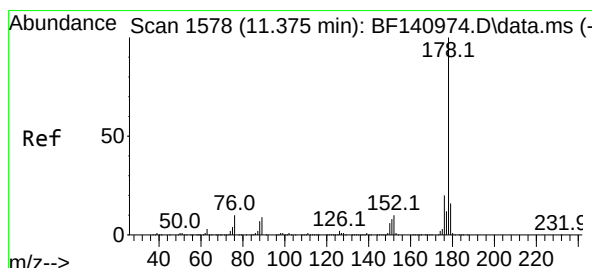
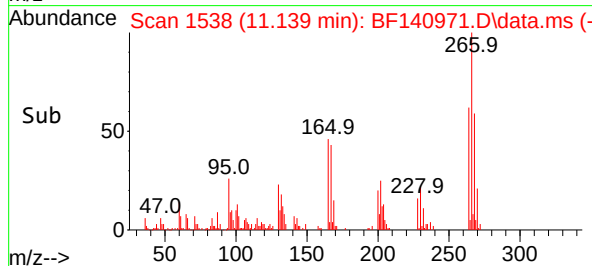
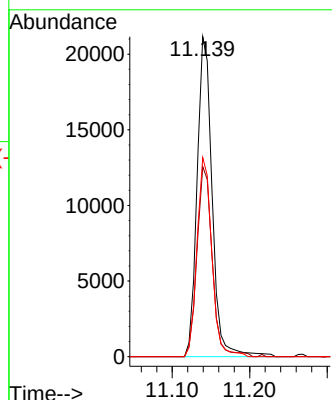
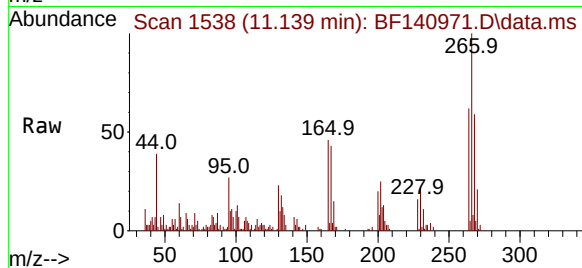
Tgt Ion:266 Resp: 28530

Ion Ratio Lower Upper

266 100

268 59.3 50.5 75.7

264 62.2 50.2 75.4



#71

Phenanthrene

Concen: 5.799 ng

RT: 11.369 min Scan# 1577

Delta R.T. -0.006 min

Lab File: BF140971.D

Acq: 26 Dec 2024 16:49

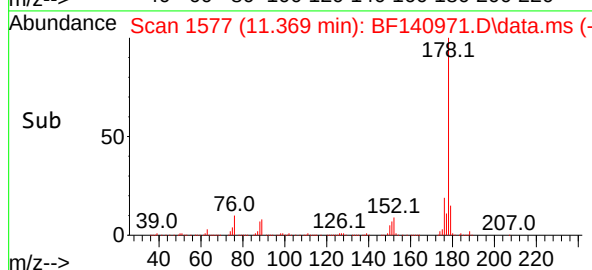
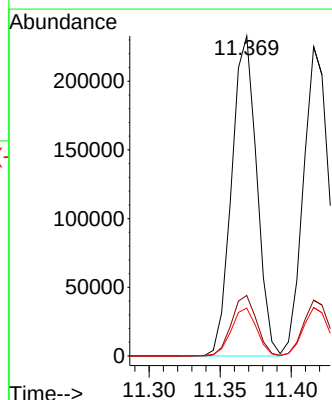
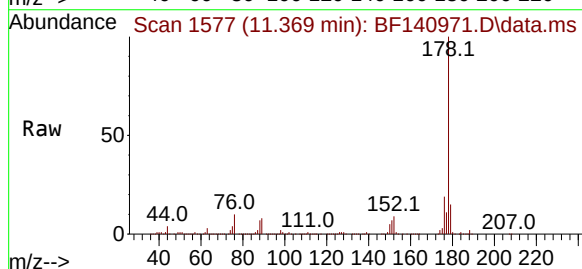
Tgt Ion:178 Resp: 286441

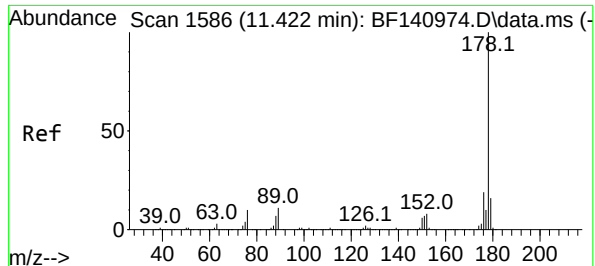
Ion Ratio Lower Upper

178 100

176 18.9 15.8 23.6

179 15.0 12.6 19.0

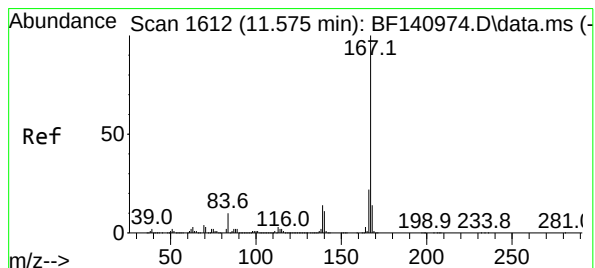
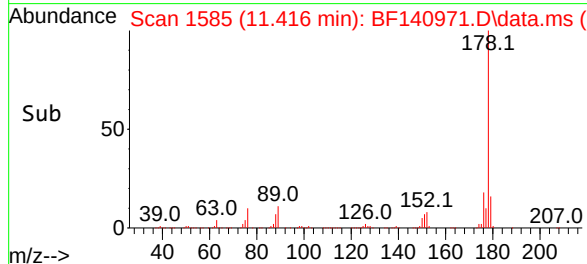
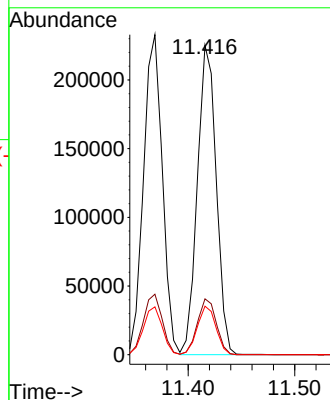
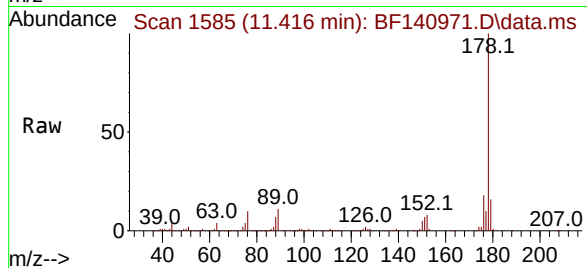




#72
Anthracene
Concen: 5.756 ng
RT: 11.416 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

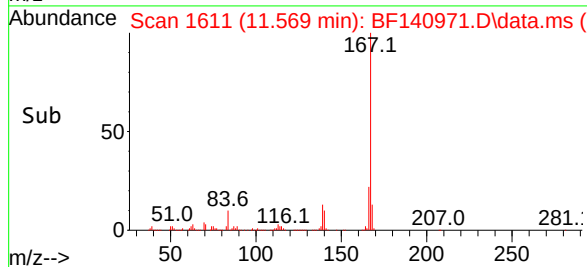
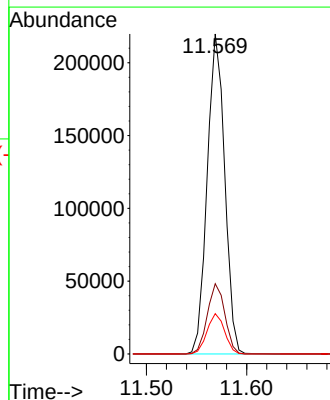
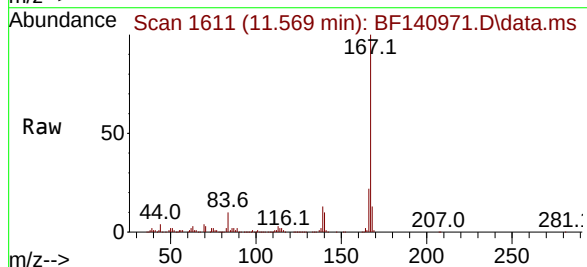
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

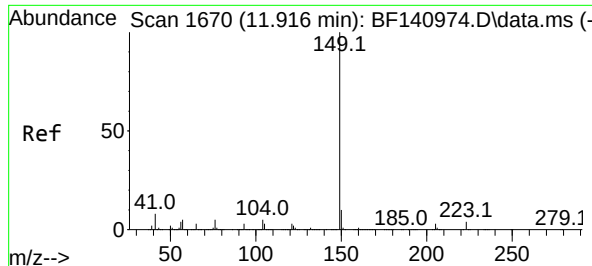
Tgt Ion:178 Resp: 278610
Ion Ratio Lower Upper
178 100
176 18.1 15.3 22.9
179 15.7 12.9 19.3



#73
Carbazole
Concen: 5.740 ng
RT: 11.569 min Scan# 1611
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:167 Resp: 267065
Ion Ratio Lower Upper
167 100
166 22.0 17.5 26.3
139 12.6 11.0 16.4

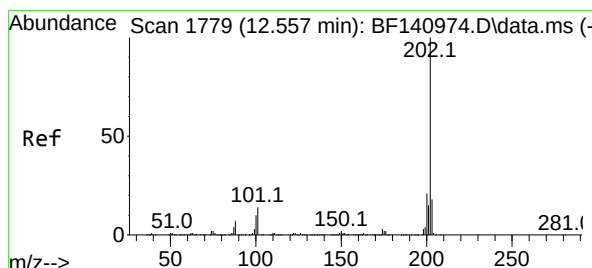
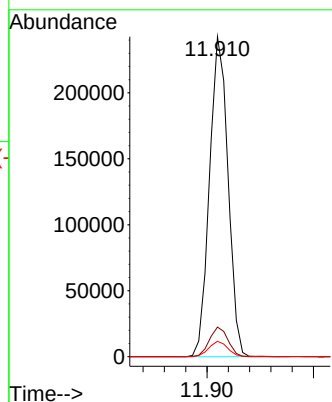
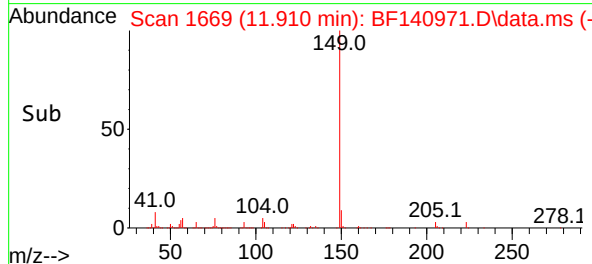
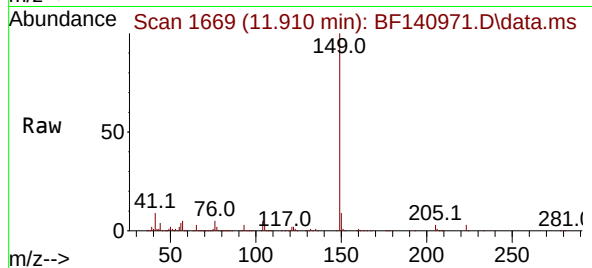




#74
Di-n-butylphthalate
Concen: 5.532 ng
RT: 11.910 min Scan# 1669
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

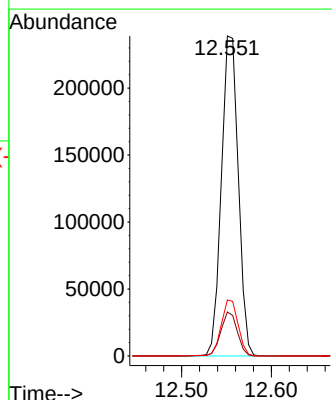
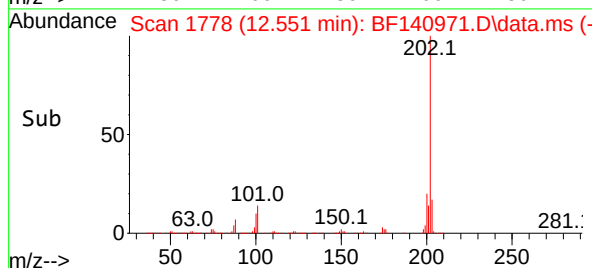
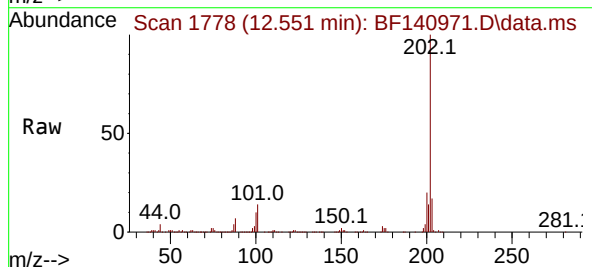
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

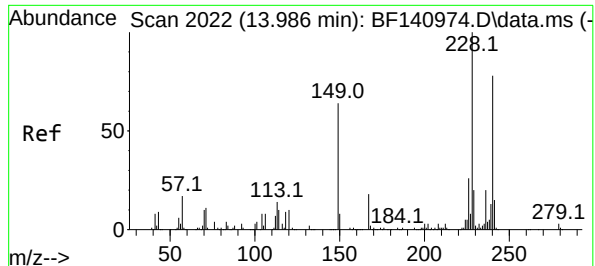
Tgt Ion:149 Resp: 292755
Ion Ratio Lower Upper
149 100
150 9.3 7.7 11.5
104 4.8 4.1 6.1



#75
Fluoranthene
Concen: 5.836 ng
RT: 12.551 min Scan# 1778
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:202 Resp: 312668
Ion Ratio Lower Upper
202 100
101 13.8 0.0 33.7
203 17.5 0.0 38.1

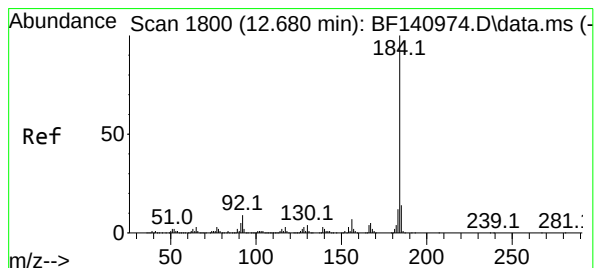
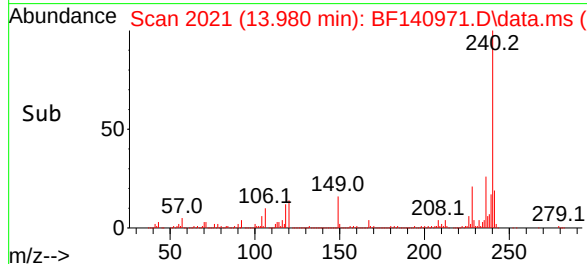
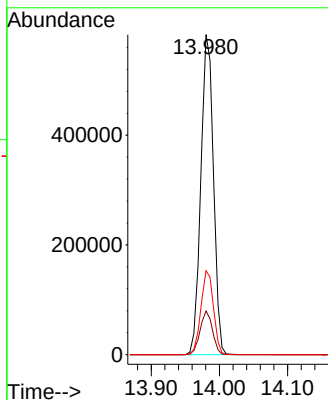
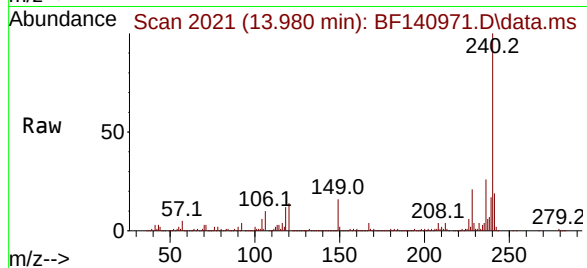




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

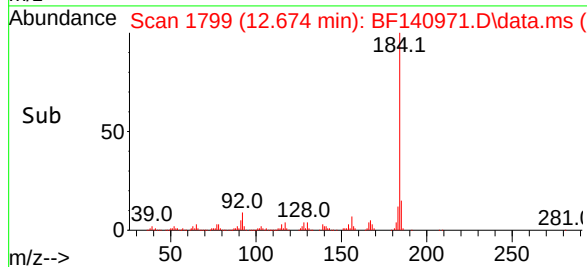
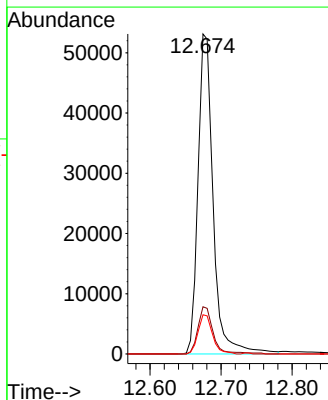
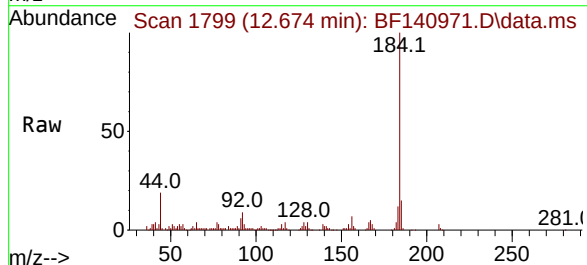
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

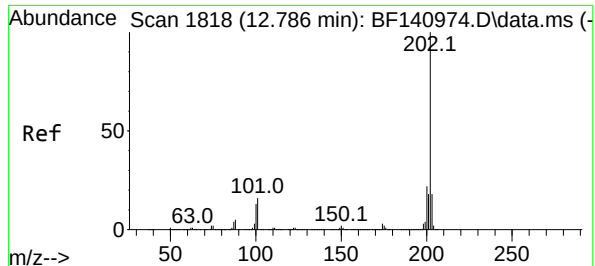
Tgt Ion:240 Resp: 749775
Ion Ratio Lower Upper
240 100
120 13.7 10.7 16.1
236 26.3 20.6 31.0



#77
Benzidine
Concen: 4.990 ng
RT: 12.674 min Scan# 1799
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:184 Resp: 79065
Ion Ratio Lower Upper
184 100
185 14.8 11.4 17.2
183 12.3 9.4 14.0

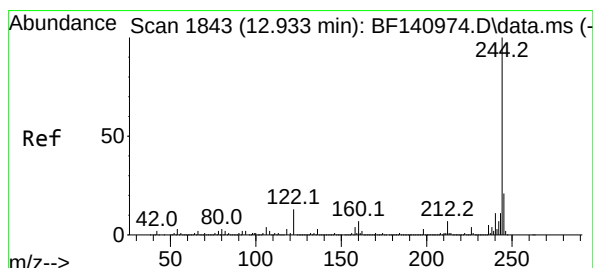
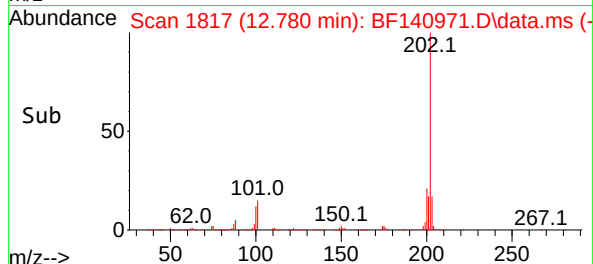
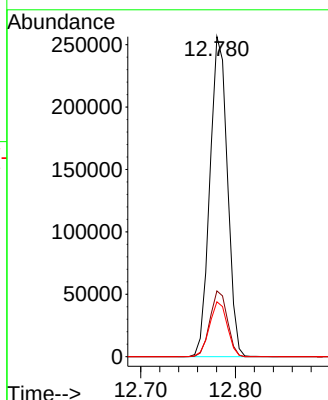
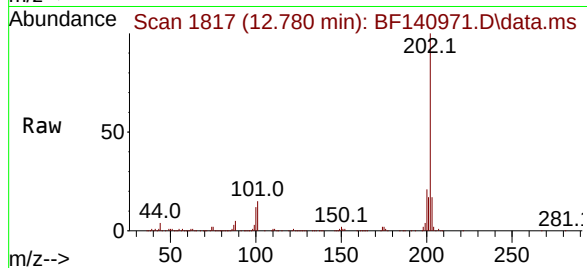




#78
Pyrene
Concen: 5.014 ng
RT: 12.780 min Scan# 1818
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

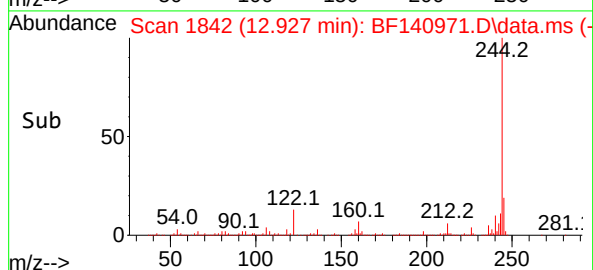
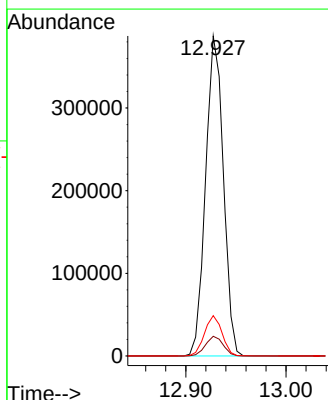
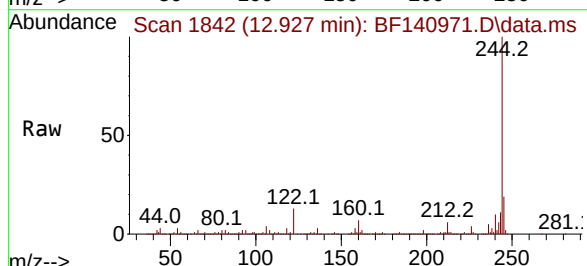
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

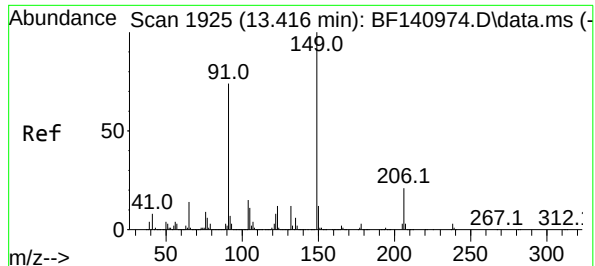
Tgt Ion:202 Resp: 328787
Ion Ratio Lower Upper
202 100
200 20.6 17.3 25.9
203 17.2 14.6 21.8



#79
Terphenyl-d14
Concen: 10.588 ng
RT: 12.927 min Scan# 1842
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:244 Resp: 477948
Ion Ratio Lower Upper
244 100
212 6.1 5.7 8.5
122 12.6 10.2 15.2

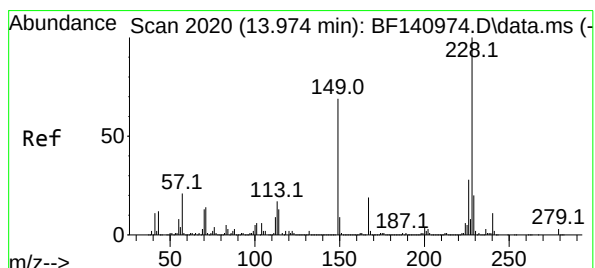
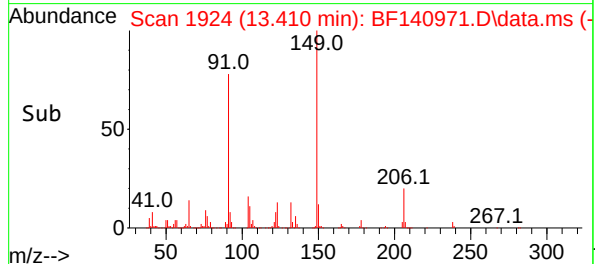
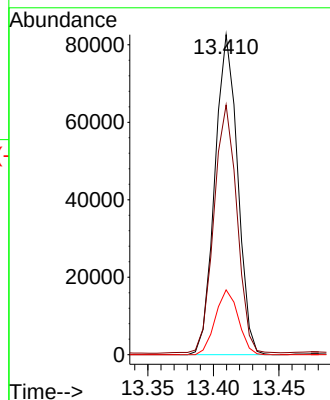
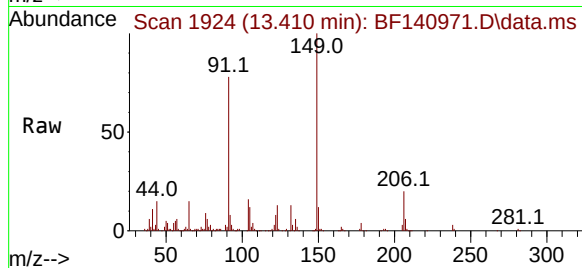




#80
Butylbenzylphthalate
Concen: 4.162 ng
RT: 13.410 min Scan# 1924
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

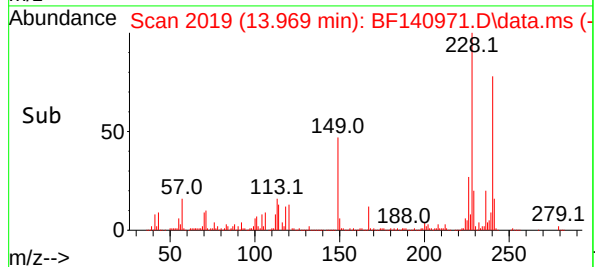
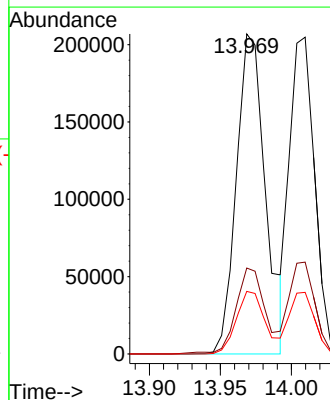
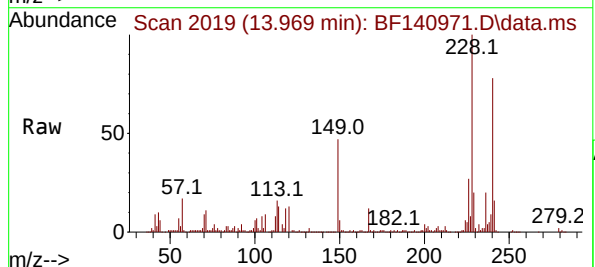
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

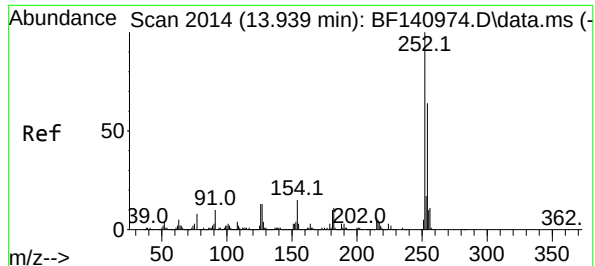
Tgt Ion	Ratio	Lower	Upper
149	100		
91	78.1	59.5	89.3
206	20.3	17.1	25.7



#81
Benzo(a)anthracene
Concen: 5.641 ng
RT: 13.969 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.9	22.1	33.1
229	19.5	16.2	24.2





#82

3,3'-Dichlorobenzidine

Concen: 5.658 ng

RT: 13.933 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF140971.D

Acq: 26 Dec 2024 16:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

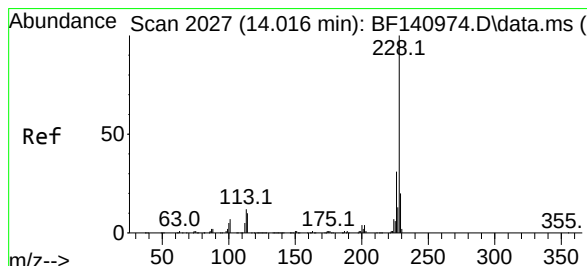
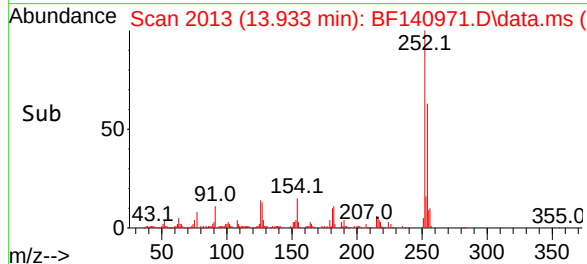
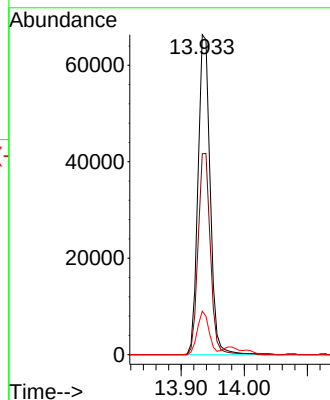
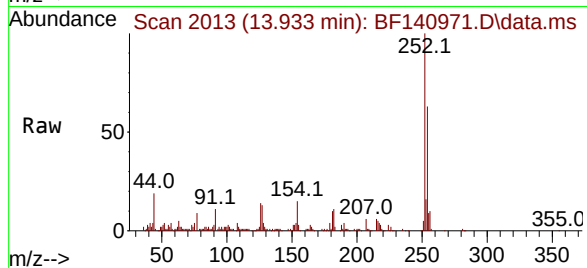
Tgt Ion:252 Resp: 88822

Ion Ratio Lower Upper

252 100

254 62.8 51.5 77.3

126 13.6 10.3 15.5



#83

Chrysene

Concen: 5.335 ng

RT: 14.010 min Scan# 2026

Delta R.T. -0.006 min

Lab File: BF140971.D

Acq: 26 Dec 2024 16:49

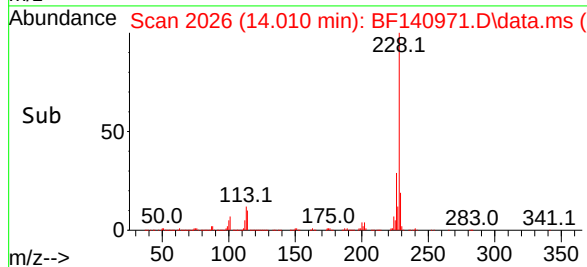
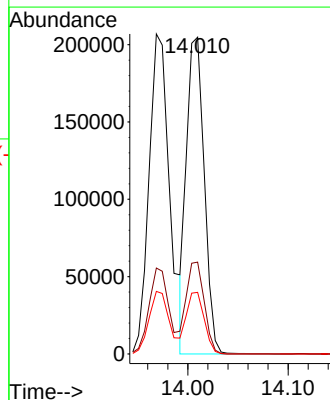
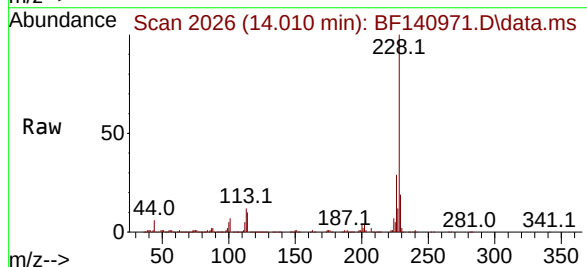
Tgt Ion:228 Resp: 251288

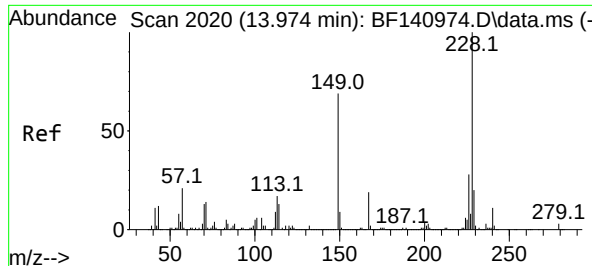
Ion Ratio Lower Upper

228 100

226 29.0 24.5 36.7

229 19.4 16.2 24.4

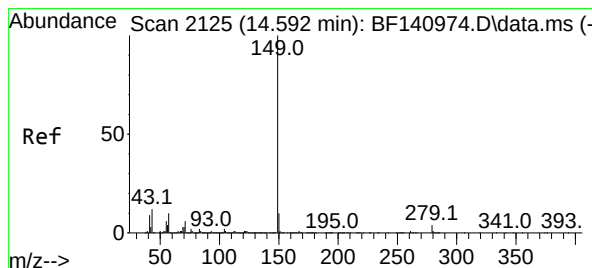
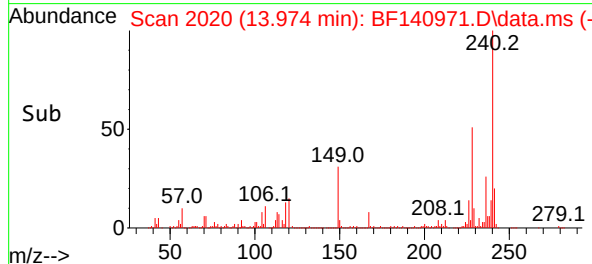
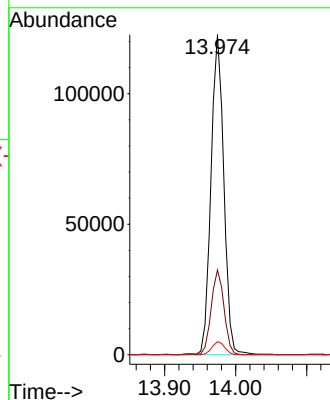
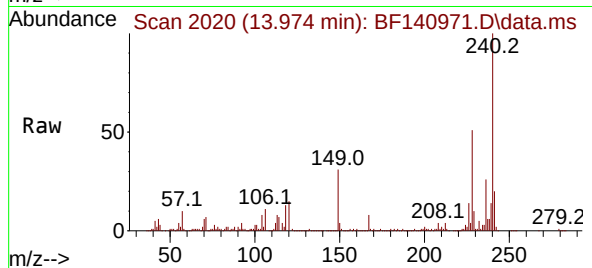




#84
Bis(2-ethylhexyl)phthalate
Concen: 4.960 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

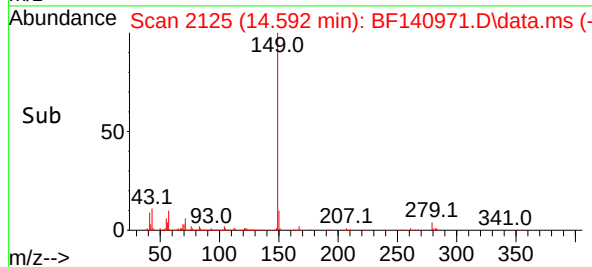
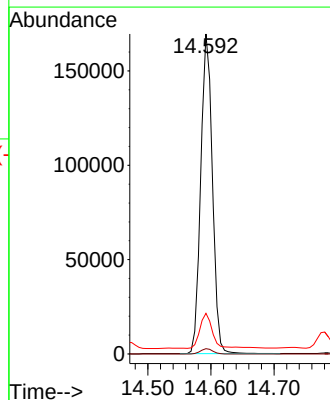
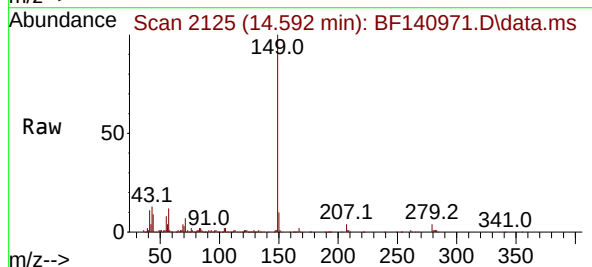
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

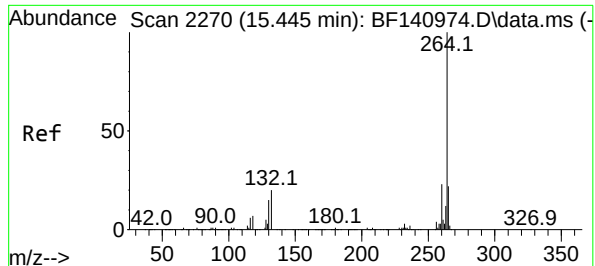
Tgt Ion:149 Resp: 154045
Ion Ratio Lower Upper
149 100
167 26.5 21.6 32.4
279 4.1 3.2 4.8



#85
Di-n-octyl phthalate
Concen: 4.825 ng
RT: 14.592 min Scan# 2125
Delta R.T. 0.000 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:149 Resp: 216905
Ion Ratio Lower Upper
149 100
167 1.7 1.2 1.8
43 12.2 9.3 13.9

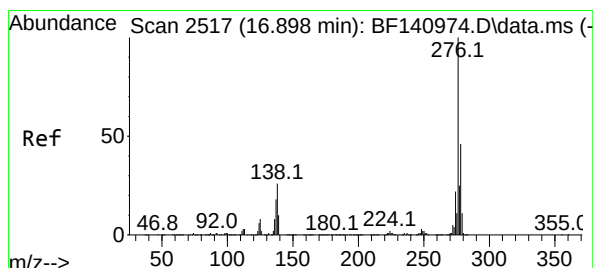
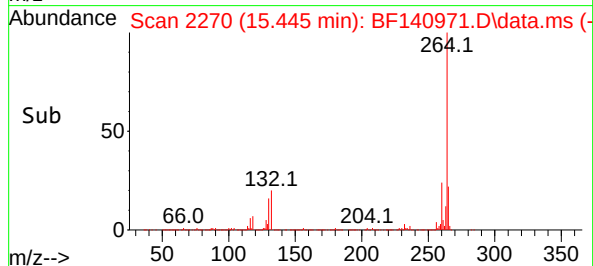
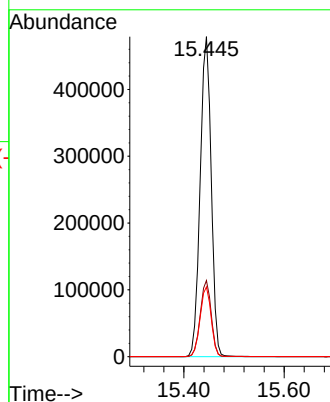
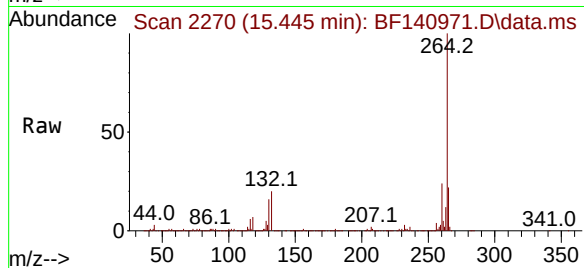




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 2114
Delta R.T. 0.000 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

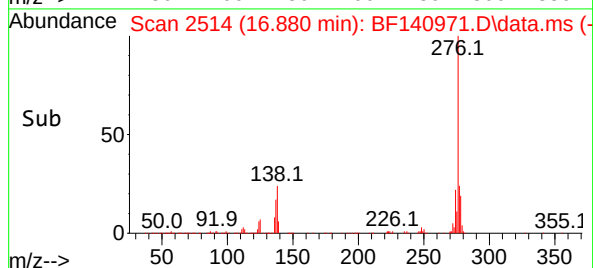
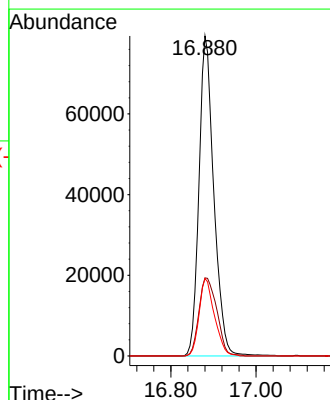
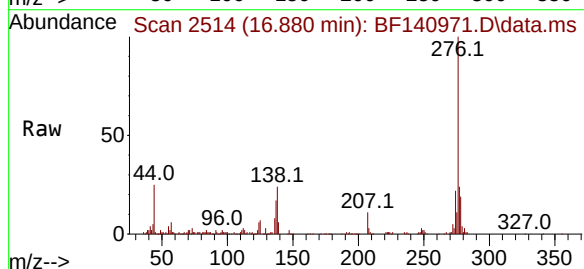
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

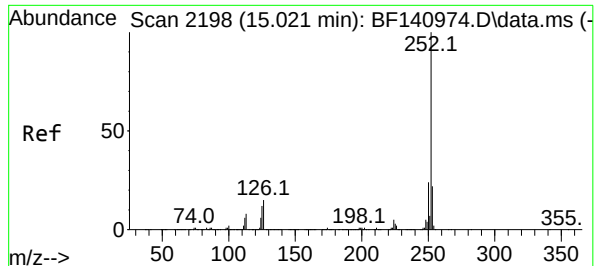
Tgt Ion:264 Resp: 730672
Ion Ratio Lower Upper
264 100
260 23.8 18.7 28.1
265 21.8 17.4 26.2



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.166 ng
RT: 16.880 min Scan# 2514
Delta R.T. -0.018 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:276 Resp: 191761
Ion Ratio Lower Upper
276 100
138 29.3 23.1 34.7
277 25.0 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 4.876 ng

RT: 15.016 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF140971.D

Acq: 26 Dec 2024 16:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

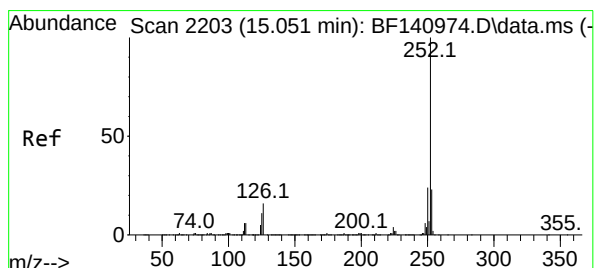
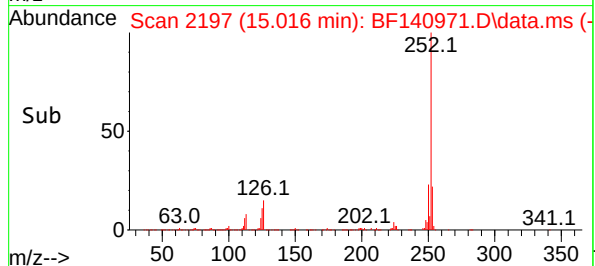
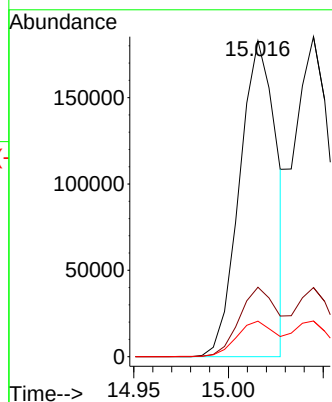
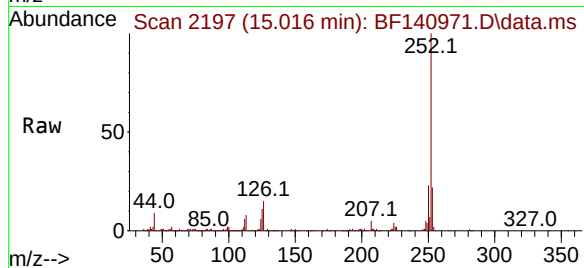
Tgt Ion:252 Resp: 248464

Ion Ratio Lower Upper

252 100

253 22.0 17.7 26.5

125 11.3 9.3 13.9



#89

Benzo(k)fluoranthene

Concen: 5.330 ng

RT: 15.045 min Scan# 2202

Delta R.T. -0.006 min

Lab File: BF140971.D

Acq: 26 Dec 2024 16:49

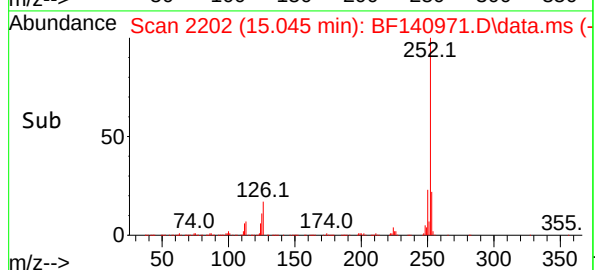
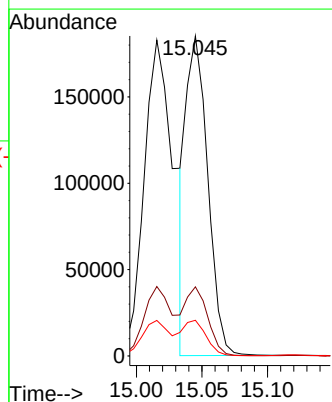
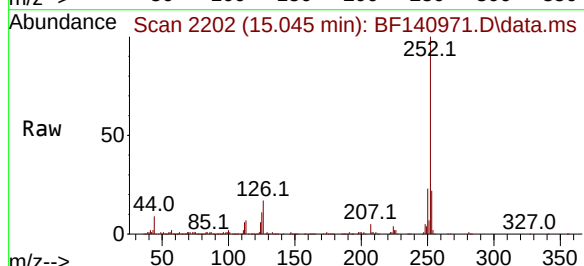
Tgt Ion:252 Resp: 212890

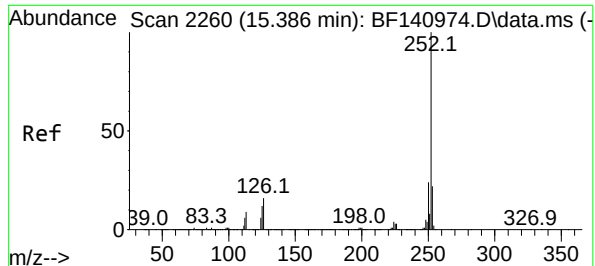
Ion Ratio Lower Upper

252 100

253 21.6 17.8 26.8

125 11.1 9.4 14.0





#90

Benzo(a)pyrene

Concen: 5.294 ng

RT: 15.374 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF140971.D

Acq: 26 Dec 2024 16:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

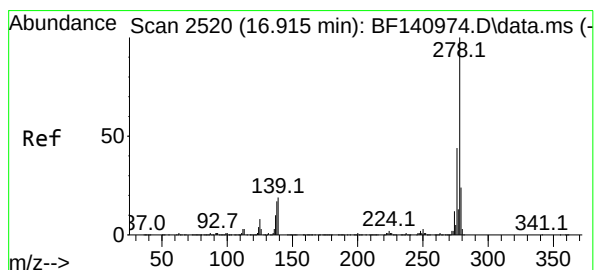
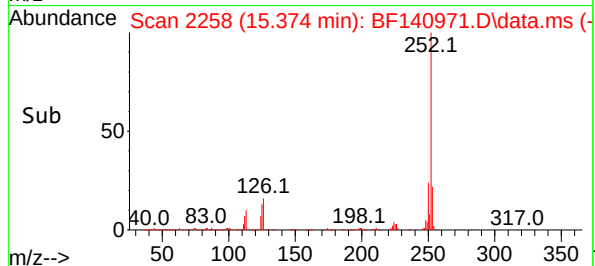
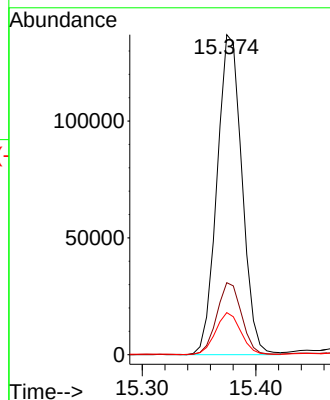
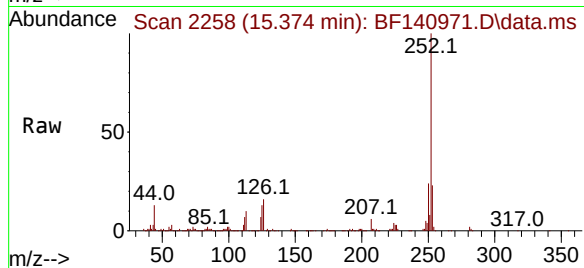
Tgt Ion:252 Resp: 209418

Ion Ratio Lower Upper

252 100

253 22.5 17.2 25.8

125 13.1 9.8 14.8



#91

Dibenzo(a,h)anthracene

Concen: 4.147 ng

RT: 16.904 min Scan# 2518

Delta R.T. -0.012 min

Lab File: BF140971.D

Acq: 26 Dec 2024 16:49

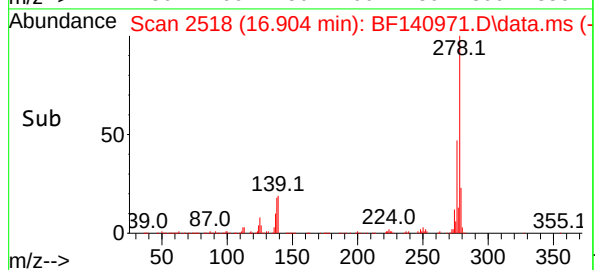
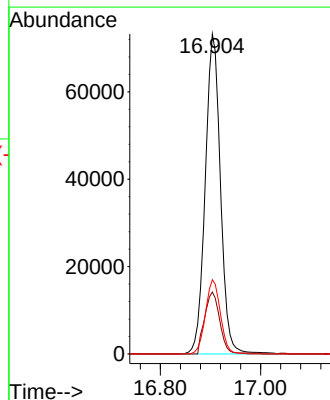
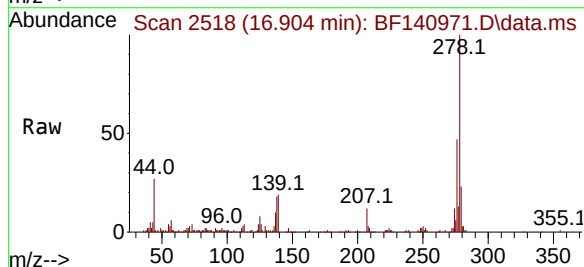
Tgt Ion:278 Resp: 154741

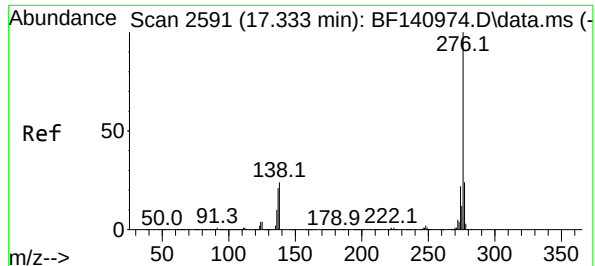
Ion Ratio Lower Upper

278 100

139 19.4 14.9 22.3

279 23.2 19.0 28.6





#92

Benzo(g,h,i)perylene

Concen: 3.893 ng

RT: 17.315 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF140971.D

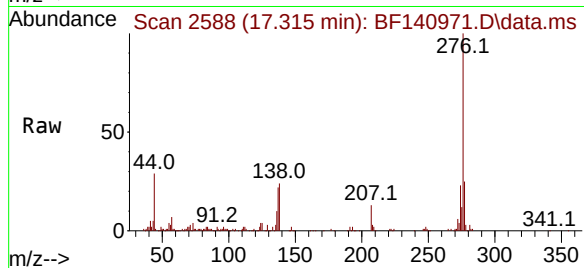
Acq: 26 Dec 2024 16:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC005



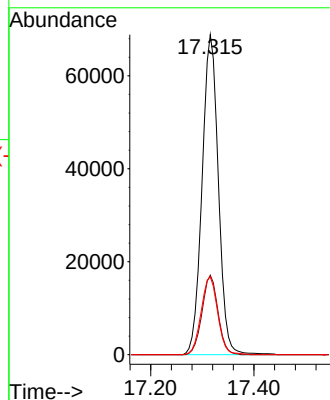
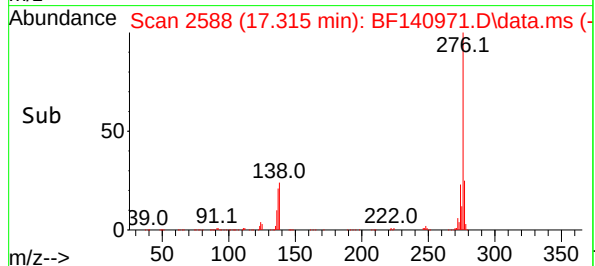
Tgt Ion:276 Resp: 150669

Ion Ratio Lower Upper

276 100

277 24.9 19.0 28.4

138 24.3 19.4 29.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
 Data File : BF140972.D
 Acq On : 26 Dec 2024 17:15
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC010

Quant Time: Dec 27 00:19:23 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 27 00:11:18 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	251125	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	1005088	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	539677	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	960019	20.000	ng	0.00
76) Chrysene-d12	13.986	240	769052	20.000	ng	0.00
86) Perylene-d12	15.439	264	725753	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	357171	21.439	ng	0.00
7) Phenol-d6	6.440	99	461726	21.514	ng	-0.01
23) Nitrobenzene-d5	7.387	82	277918	17.691	ng	0.00
42) 2,4,6-Tribromophenol	10.645	330	102029	19.456	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	783402	23.128	ng	0.00
79) Terphenyl-d14	12.927	244	908253	19.616	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.563	88	77981	10.339	ng	99
3) Pyridine	3.305	79	196202	10.644	ng	98
4) n-Nitrosodimethylamine	3.234	42	92623	9.918	ng	# 99
6) Aniline	6.487	93	213768	11.168	ng	98
8) 2-Chlorophenol	6.604	128	186317	10.608	ng	99
9) Benzaldehyde	6.375	77	149809	7.569	ng	98
10) Phenol	6.451	94	236093	10.639	ng	97
11) bis(2-Chloroethyl)ether	6.557	93	185749	10.376	ng	100
12) 1,3-Dichlorobenzene	6.769	146	209098	10.787	ng	99
13) 1,4-Dichlorobenzene	6.845	146	212166	10.857	ng	98
14) 1,2-Dichlorobenzene	6.998	146	199494	10.949	ng	99
15) Benzyl Alcohol	6.957	79	160122	10.383	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.104	45	290964	10.738	ng	99
17) 2-Methylphenol	7.069	107	151661	10.393	ng	98
18) Hexachloroethane	7.340	117	71922	10.361	ng	97
19) n-Nitroso-di-n-propyla...	7.234	70	141506	10.763	ng	98
20) 3+4-Methylphenols	7.222	107	203866	11.040	ng	91
22) Acetophenone	7.228	105	268709	10.898	ng	98
24) Nitrobenzene	7.404	77	160105	9.121	ng	100
25) Isophorone	7.640	82	354894	10.381	ng	97
26) 2-Nitrophenol	7.722	139	39980	10.245	ng	99
27) 2,4-Dimethylphenol	7.751	122	128382	10.276	ng	98
28) bis(2-Chloroethoxy)met...	7.857	93	232407	10.730	ng	99
29) 2,4-Dichlorophenol	7.957	162	145068	10.238	ng	100
30) 1,2,4-Trichlorobenzene	8.051	180	168369	10.498	ng	99
31) Naphthalene	8.128	128	579991	10.951	ng	98
32) Benzoic acid	7.810	122	49591	11.743	ng	99
33) 4-Chloroaniline	8.175	127	199889	10.433	ng	99
34) Hexachlorobutadiene	8.251	225	100026	10.579	ng	100
35) Caprolactam	8.504	113	47868	9.936	ng	98
36) 4-Chloro-3-methylphenol	8.639	107	160989	10.230	ng	100
37) 2-Methylnaphthalene	8.816	142	372101	10.982	ng	99
38) 1-Methylnaphthalene	8.916	142	363059	10.903	ng	100
40) 1,2,4,5-Tetrachloroben...	8.981	216	158150	10.652	ng	99
41) Hexachlorocyclopentadiene	8.975	237	47532	9.661	ng	97
43) 2,4,6-Trichlorophenol	9.087	196	96190	9.734	ng	99

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 Data File : BF140972.D
 Acq On : 26 Dec 2024 17:15
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC010

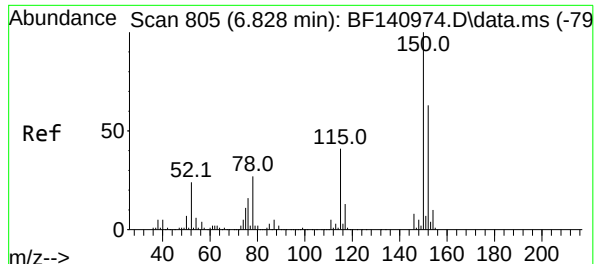
Quant Time: Dec 27 00:19:23 2024
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 27 00:11:18 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.122	196	104859	10.371	ng	99
46) 1,1'-Biphenyl	9.281	154	457591	11.074	ng	99
47) 2-Chloronaphthalene	9.304	162	348834	10.884	ng	98
48) 2-Nitroaniline	9.392	65	49140	9.938	ng	99
49) Acenaphthylene	9.722	152	504423	10.933	ng	99
50) Dimethylphthalate	9.575	163	381476	10.746	ng	99
51) 2,6-Dinitrotoluene	9.639	165	46772	9.624	ng	97
52) Acenaphthene	9.892	154	334623	10.729	ng	100
53) 3-Nitroaniline	9.804	138	53244	9.568	ng	# 93
54) 2,4-Dinitrophenol	9.904	184	10078	11.150	ng	# 1
55) Dibenzofuran	10.063	168	480351	10.959	ng	97
56) 4-Nitrophenol	9.945	139	44755	7.370	ng	94
57) 2,4-Dinitrotoluene	10.034	165	50385	9.654	ng	90
58) Fluorene	10.404	166	386427	11.369	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.175	232	81766	9.765	ng	98
60) Diethylphthalate	10.281	149	374095	10.675	ng	99
61) 4-Chlorophenyl-phenyle...	10.404	204	181693	11.109	ng	97
62) 4-Nitroaniline	10.410	138	54741	9.821	ng	91
63) Azobenzene	10.557	77	395397	10.749	ng	99
65) 4,6-Dinitro-2-methylph...	10.439	198	15689	12.644	ng	91
66) n-Nitrosodiphenylamine	10.516	169	324220	10.725	ng	99
67) 4-Bromophenyl-phenylether	10.892	248	110052	10.604	ng	98
68) Hexachlorobenzene	10.951	284	118361	10.343	ng	97
69) Atrazine	11.039	200	98299	11.639	ng	99
70) Pentachlorophenol	11.139	266	65934	9.254	ng	99
71) Phenanthrene	11.369	178	560414	11.091	ng	98
72) Anthracene	11.416	178	545401	11.016	ng	98
73) Carbazole	11.569	167	524879	11.028	ng	99
74) Di-n-butylphthalate	11.910	149	594457	10.981	ng	99
75) Fluoranthene	12.557	202	611729	11.163	ng	98
77) Benzidine	12.680	184	127969	7.873	ng	99
78) Pyrene	12.780	202	642229	9.549	ng	98
80) Butylbenzylphthalate	13.410	149	219532	8.939	ng	97
81) Benzo(a)anthracene	13.974	228	558462	10.419	ng	99
82) 3,3'-Dichlorobenzidine	13.939	252	174840	10.857	ng	97
83) Chrysene	14.010	228	511519	10.587	ng	99
84) Bis(2-ethylhexyl)phtha...	13.974	149	323647	10.159	ng	100
85) Di-n-octyl phthalate	14.592	149	473516	10.269	ng	100
87) Indeno(1,2,3-cd)pyrene	16.880	276	365994	8.004	ng	100
88) Benzo(b)fluoranthene	15.016	252	567548	11.213	ng	99
89) Benzo(k)fluoranthene	15.045	252	406884	10.256	ng	99
90) Benzo(a)pyrene	15.374	252	401924	10.230	ng	99
91) Dibenzo(a,h)anthracene	16.904	278	300782	8.115	ng	99
92) Benzo(g,h,i)perylene	17.315	276	294254	7.654	ng	100

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

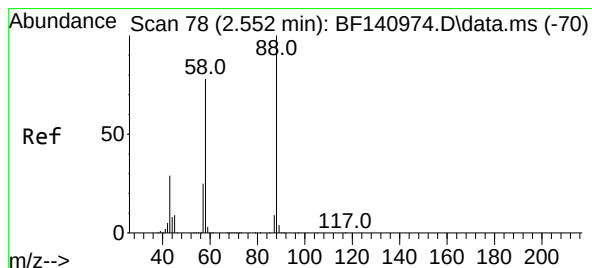
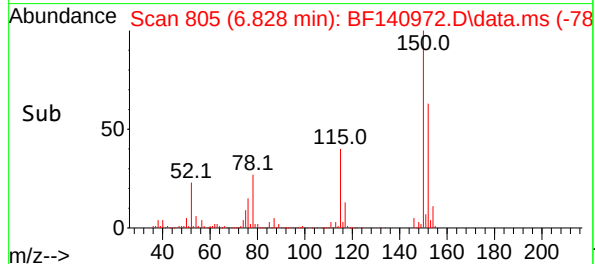
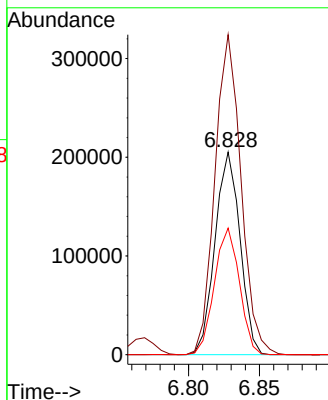
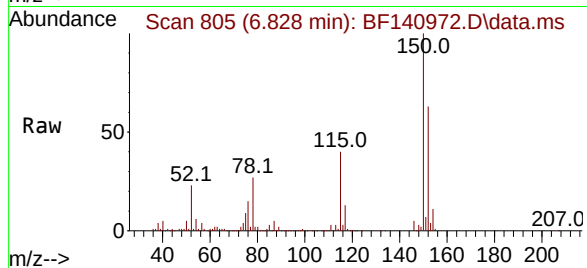
[illegible]



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 80
Delta R.T. -0.000 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

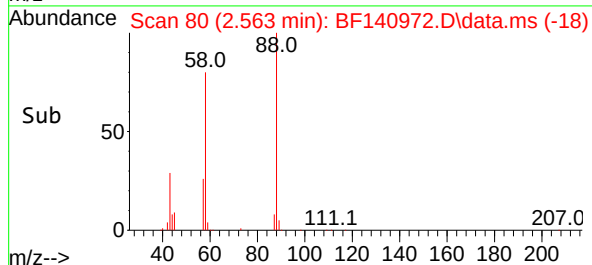
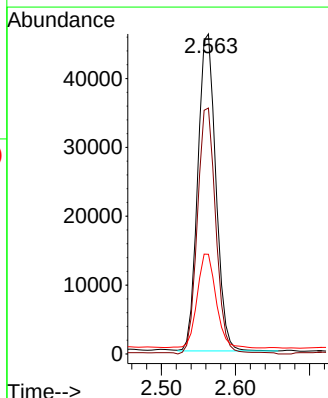
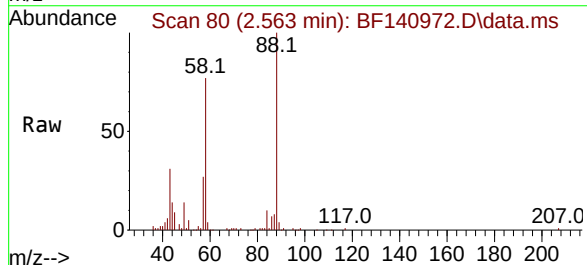
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

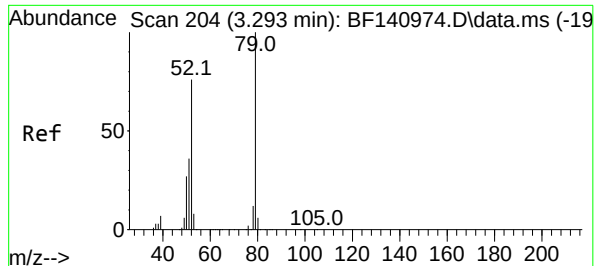
Tgt Ion:152 Resp: 251125
Ion Ratio Lower Upper
152 100
150 158.0 127.0 190.6
115 62.5 51.7 77.5



#2
1,4-Dioxane
Concen: 10.339 ng
RT: 2.563 min Scan# 80
Delta R.T. 0.012 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion: 88 Resp: 77981
Ion Ratio Lower Upper
88 100
58 79.2 63.0 94.4
43 31.0 23.4 35.2

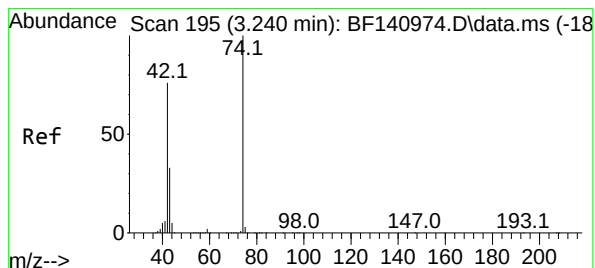
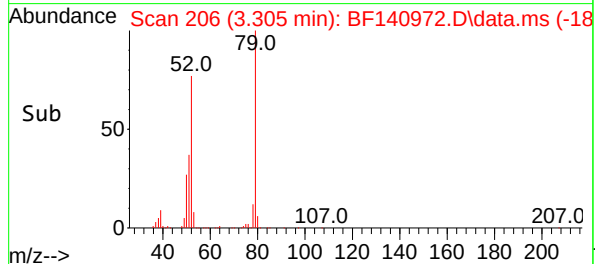
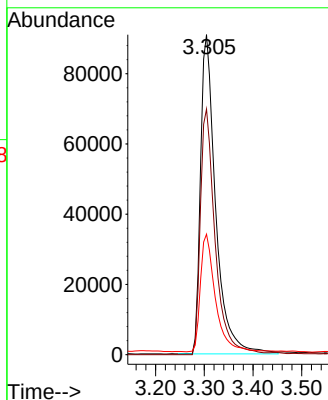
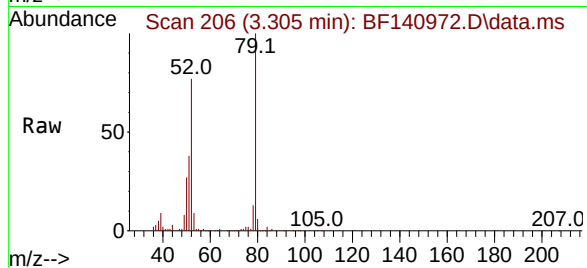




#3
Pyridine
Concen: 10.644 ng
RT: 3.305 min Scan# 204
Delta R.T. 0.012 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

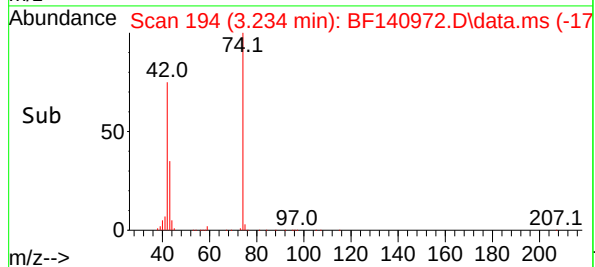
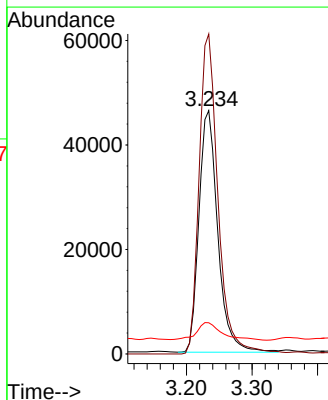
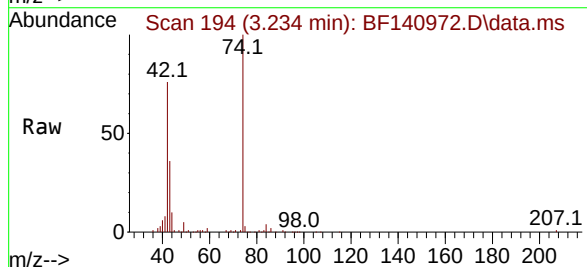
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

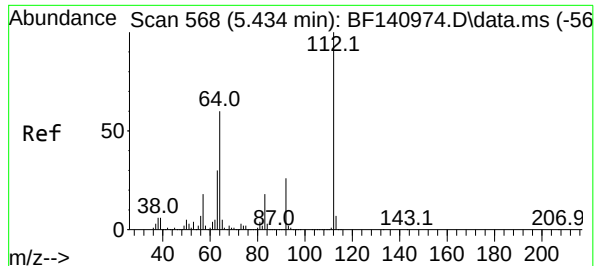
Tgt Ion: 79 Resp: 196202
Ion Ratio Lower Upper
79 100
52 76.8 60.4 90.6
51 37.6 28.8 43.2



#4
n-Nitrosodimethylamine
Concen: 9.918 ng
RT: 3.234 min Scan# 194
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion: 42 Resp: 92623
Ion Ratio Lower Upper
42 100
74 131.5 105.8 158.6
44 12.8 6.6 10.0#

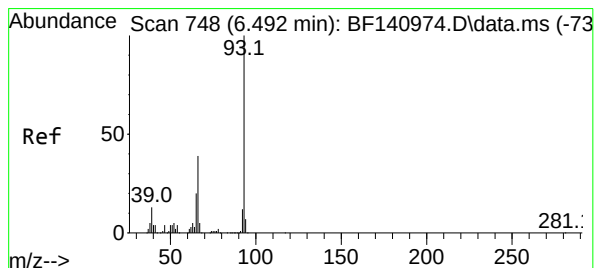
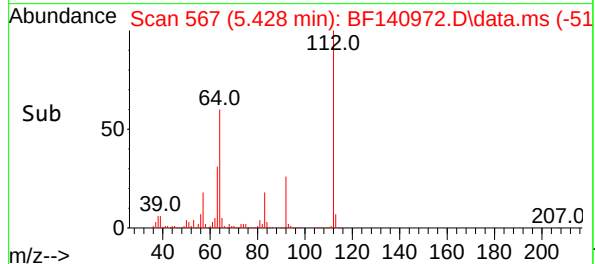
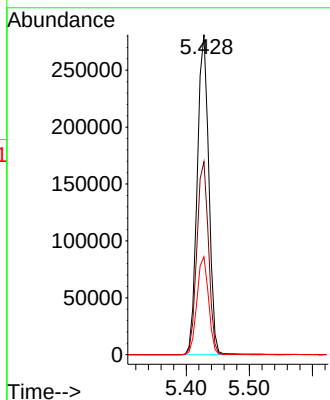
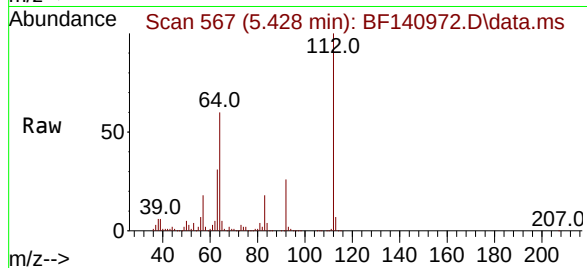




#5
2-Fluorophenol
Concen: 21.439 ng
RT: 5.428 min Scan# 568
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

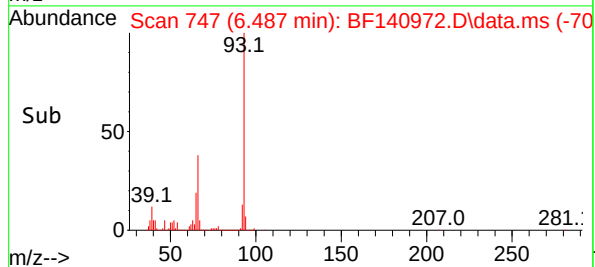
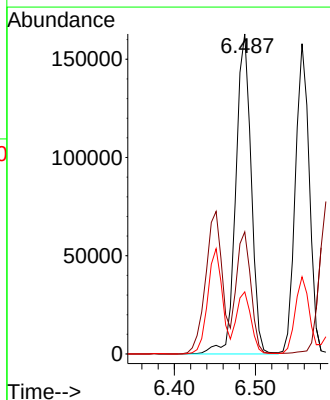
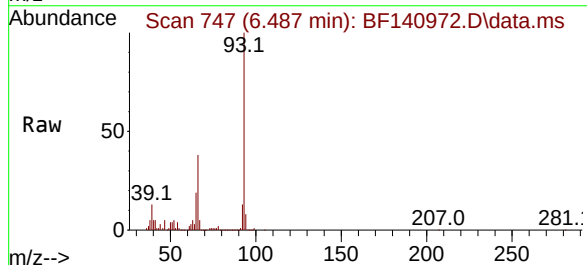
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

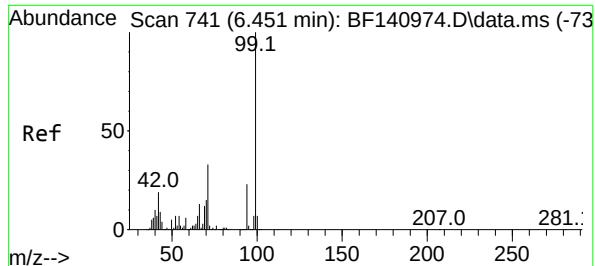
Tgt Ion:112 Resp: 357171
Ion Ratio Lower Upper
112 100
64 60.3 47.7 71.5
63 30.6 24.2 36.2



#6
Aniline
Concen: 11.168 ng
RT: 6.487 min Scan# 747
Delta R.T. -0.023 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion: 93 Resp: 213768
Ion Ratio Lower Upper
93 100
66 38.2 31.8 47.8
65 19.4 15.4 23.0

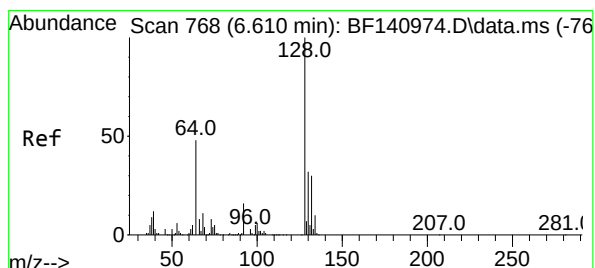
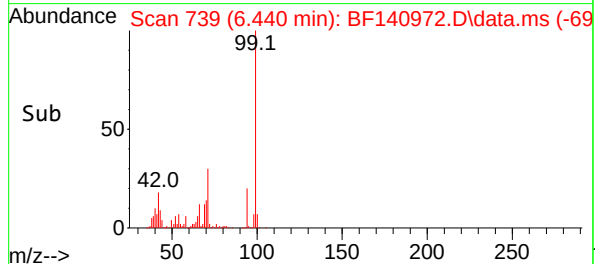
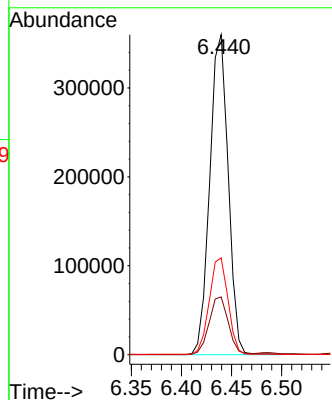
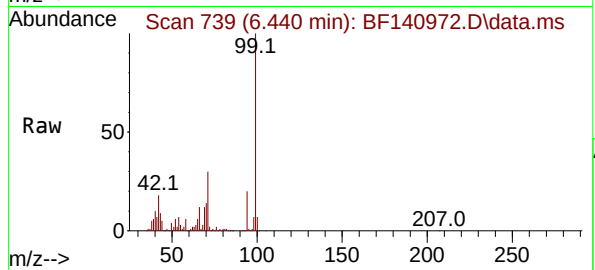




#7
Phenol-d6
Concen: 21.514 ng
RT: 6.440 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

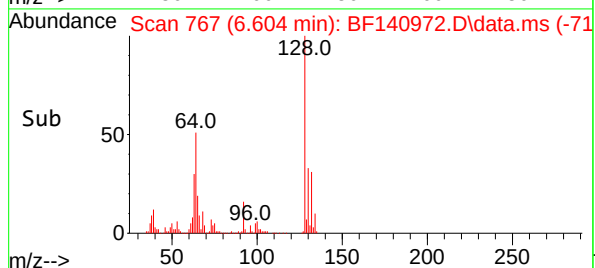
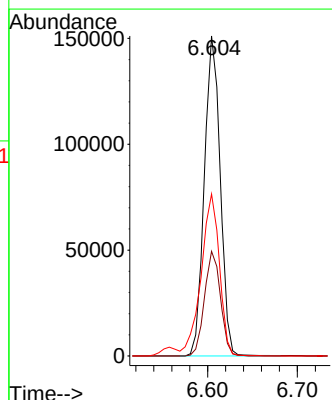
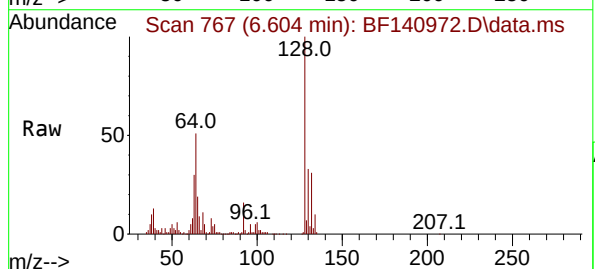
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

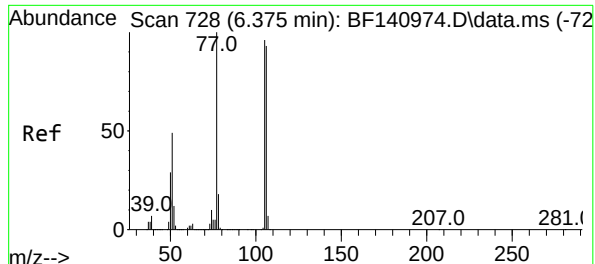
Tgt Ion: 99 Resp: 461726
Ion Ratio Lower Upper
99 100
42 18.1 15.0 22.4
71 30.2 26.2 39.2



#8
2-Chlorophenol
Concen: 10.608 ng
RT: 6.604 min Scan# 767
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion: 128 Resp: 186317
Ion Ratio Lower Upper
128 100
130 32.7 12.2 52.2
64 50.6 30.3 70.3





#9

Benzaldehyde

Concen: 7.569 ng

RT: 6.375 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF140972.D

Acq: 26 Dec 2024 17:15

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

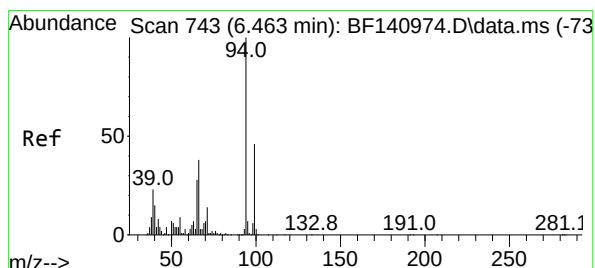
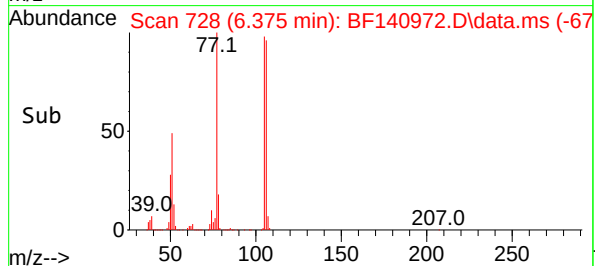
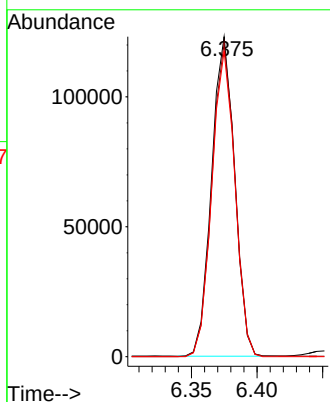
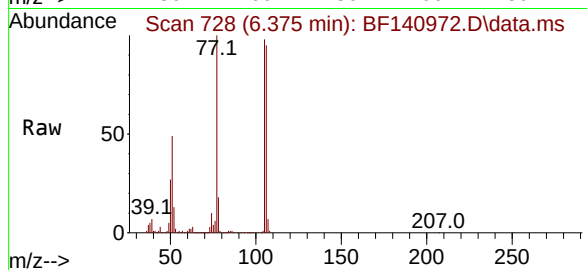
Tgt Ion: 77 Resp: 149809

Ion Ratio Lower Upper

77 100

105 98.0 76.2 116.2

106 95.4 73.4 113.4



#10

Phenol

Concen: 10.639 ng

RT: 6.451 min Scan# 741

Delta R.T. -0.012 min

Lab File: BF140972.D

Acq: 26 Dec 2024 17:15

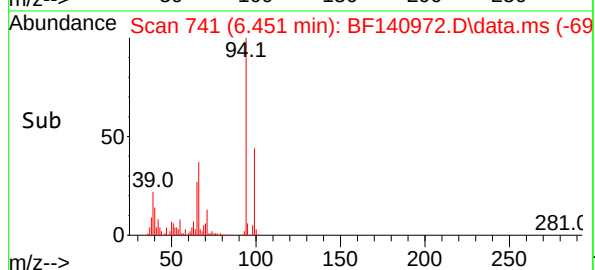
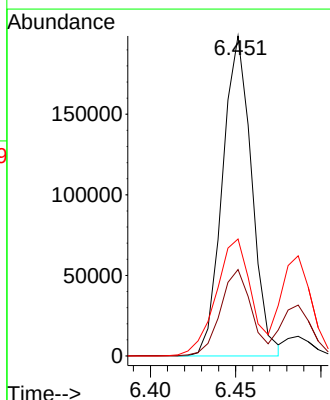
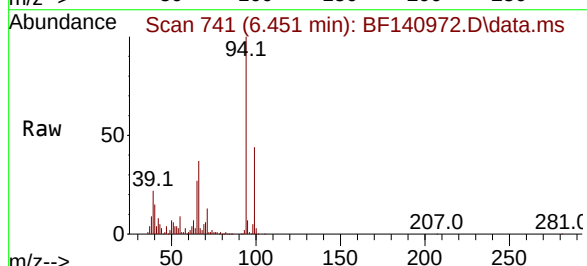
Tgt Ion: 94 Resp: 236093

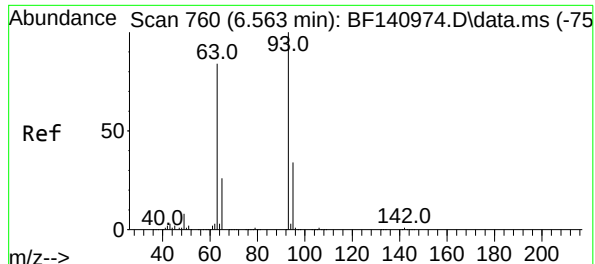
Ion Ratio Lower Upper

94 100

65 27.0 8.1 48.1

66 36.5 18.7 58.7





#11

bis(2-Chloroethyl)ether

Concen: 10.376 ng

RT: 6.557 min Scan# 759

Delta R.T. -0.006 min

Lab File: BF140972.D

Acq: 26 Dec 2024 17:15

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

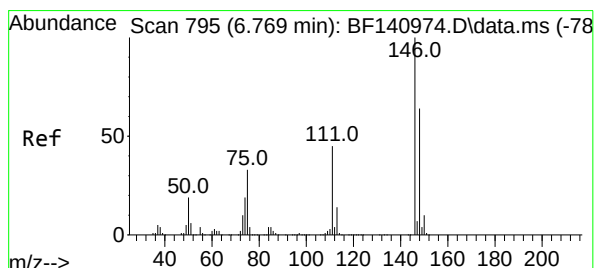
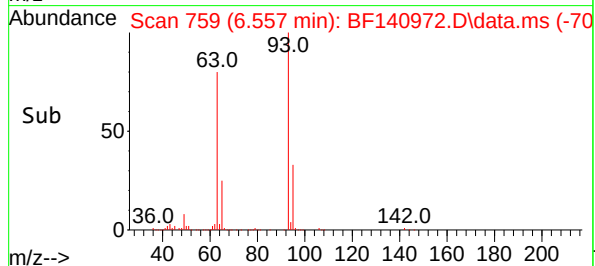
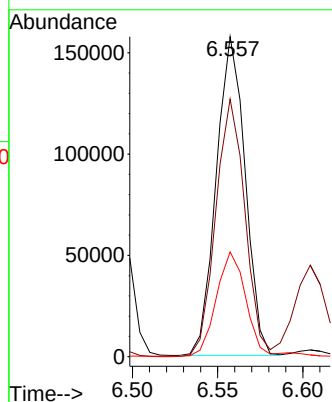
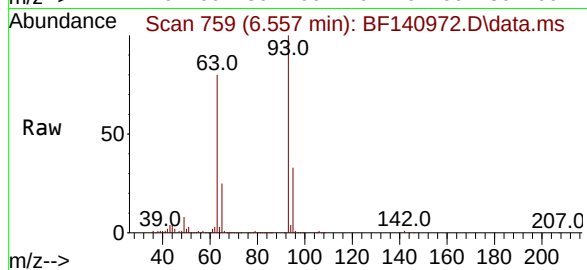
Tgt Ion: 93 Resp: 185749

Ion Ratio Lower Upper

93 100

63 80.5 60.3 100.3

95 32.8 12.2 52.2



#12

1,3-Dichlorobenzene

Concen: 10.787 ng

RT: 6.769 min Scan# 795

Delta R.T. 0.000 min

Lab File: BF140972.D

Acq: 26 Dec 2024 17:15

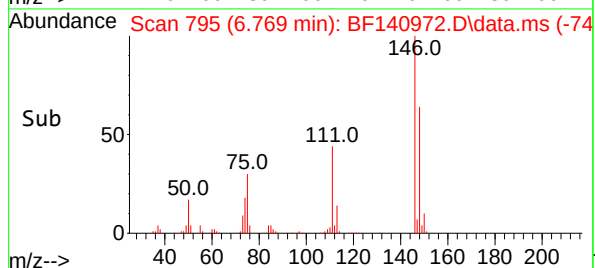
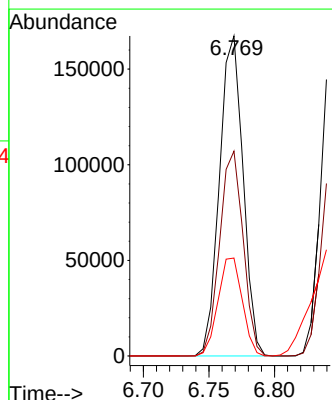
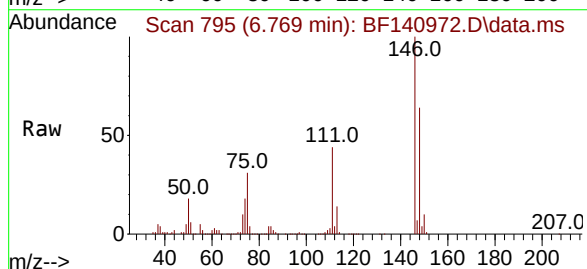
Tgt Ion:146 Resp: 209098

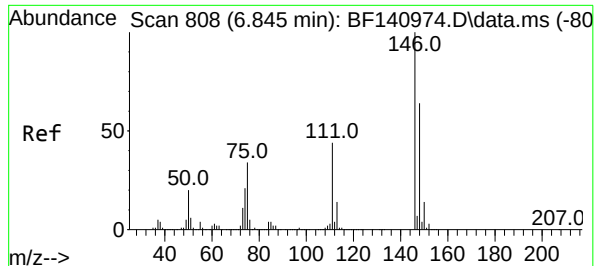
Ion Ratio Lower Upper

146 100

148 64.0 51.0 76.4

75 30.6 26.1 39.1





#13

1,4-Dichlorobenzene

Concen: 10.857 ng

RT: 6.845 min Scan# 808

Delta R.T. 0.000 min

Lab File: BF140972.D

Acq: 26 Dec 2024 17:15

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

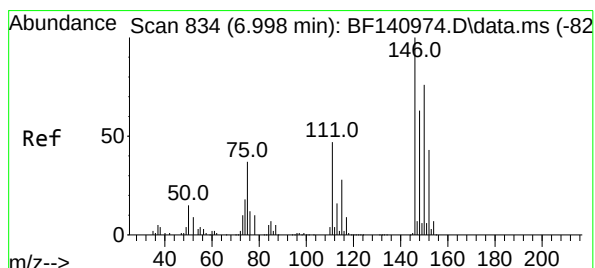
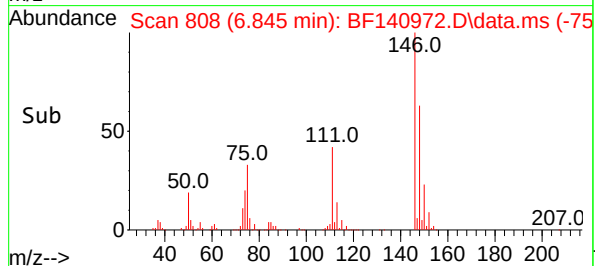
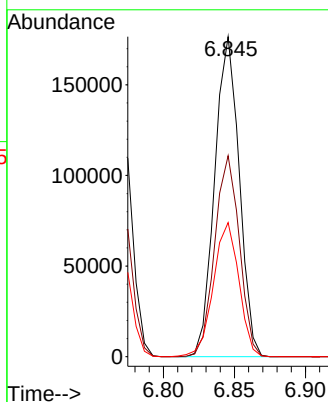
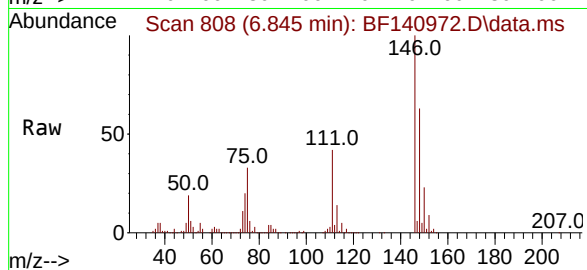
Tgt Ion:146 Resp: 212166

Ion Ratio Lower Upper

146 100

148 62.8 51.3 76.9

111 41.9 35.3 52.9



#14

1,2-Dichlorobenzene

Concen: 10.949 ng

RT: 6.998 min Scan# 834

Delta R.T. 0.000 min

Lab File: BF140972.D

Acq: 26 Dec 2024 17:15

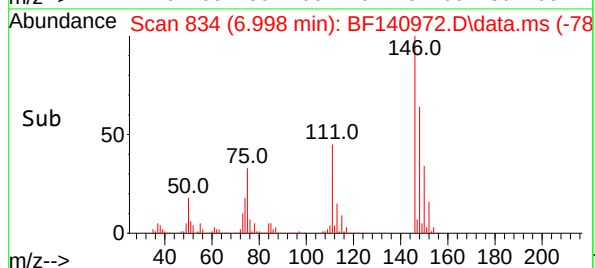
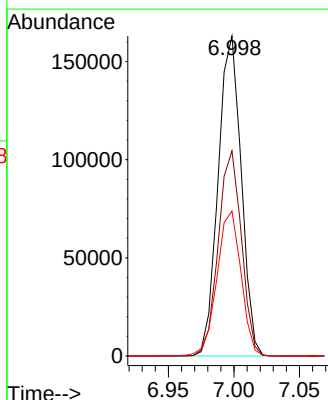
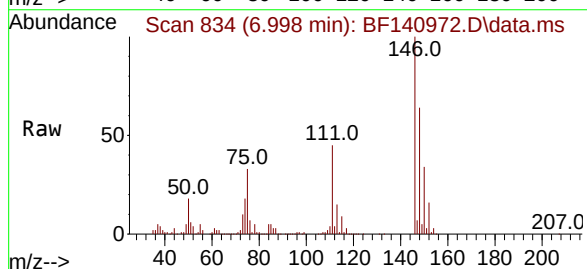
Tgt Ion:146 Resp: 199494

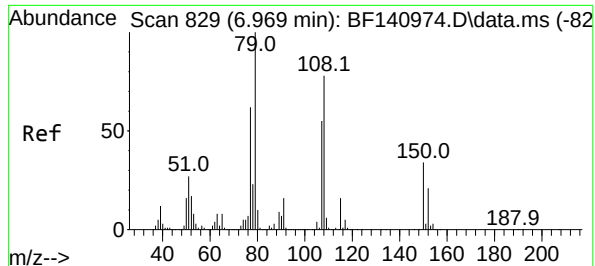
Ion Ratio Lower Upper

146 100

148 64.1 50.6 76.0

111 45.3 37.3 55.9





#15

Benzyl Alcohol

Concen: 10.383 ng

RT: 6.957 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF140972.D

Acq: 26 Dec 2024 17:15

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

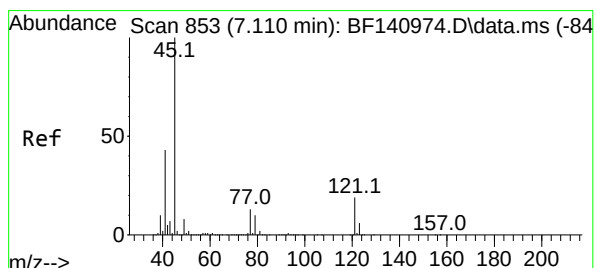
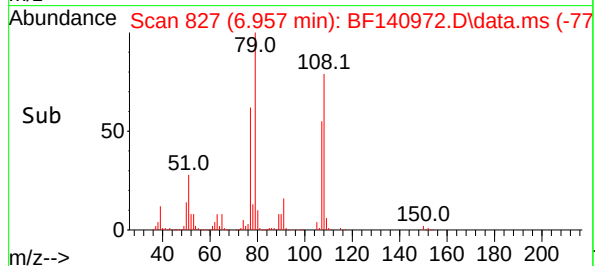
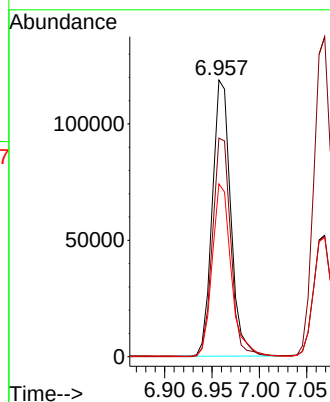
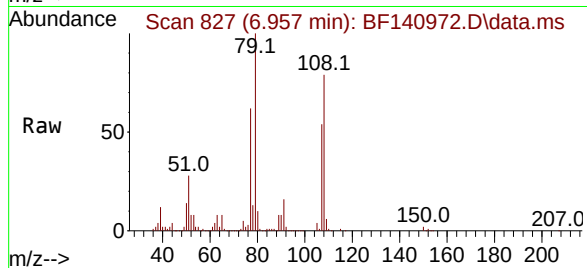
Tgt Ion: 79 Resp: 160122

Ion Ratio Lower Upper

79 100

108 79.0 62.5 93.7

77 62.5 49.3 73.9



#16

2,2'-oxybis(1-chloropropane)

Concen: 10.738 ng

RT: 7.104 min Scan# 852

Delta R.T. -0.006 min

Lab File: BF140972.D

Acq: 26 Dec 2024 17:15

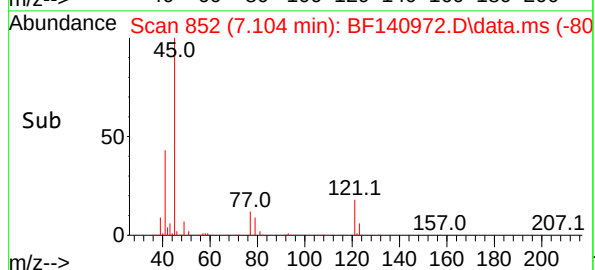
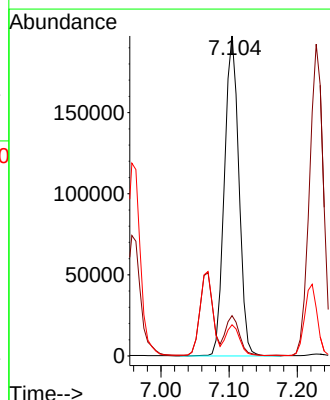
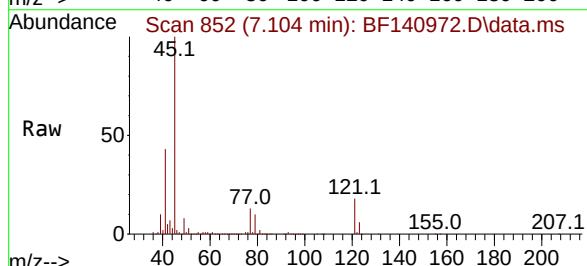
Tgt Ion: 45 Resp: 290964

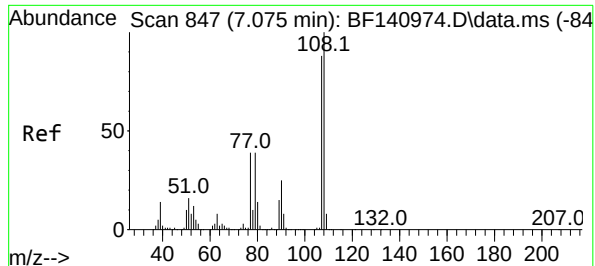
Ion Ratio Lower Upper

45 100

77 12.6 0.0 33.1

79 9.8 0.0 30.1

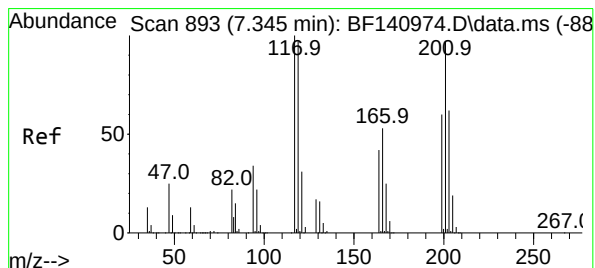
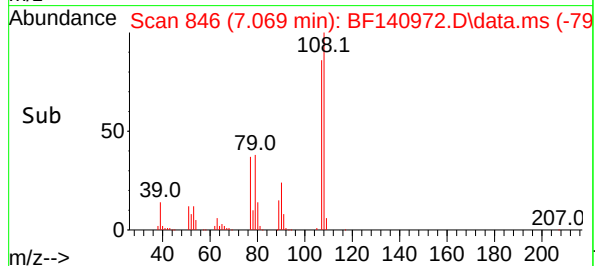
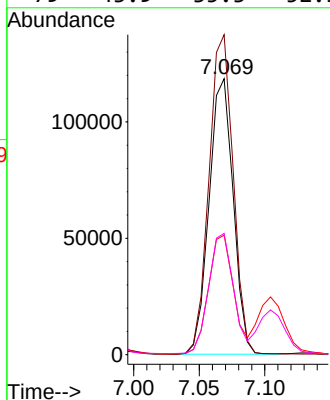
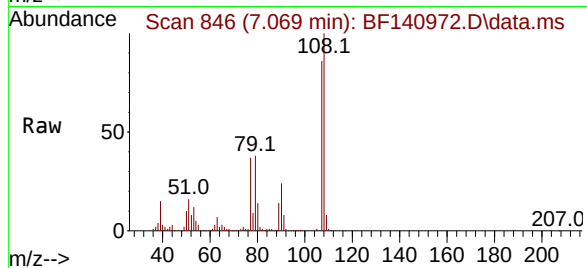




#17
2-Methylphenol
Concen: 10.393 ng
RT: 7.069 min Scan# 847
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

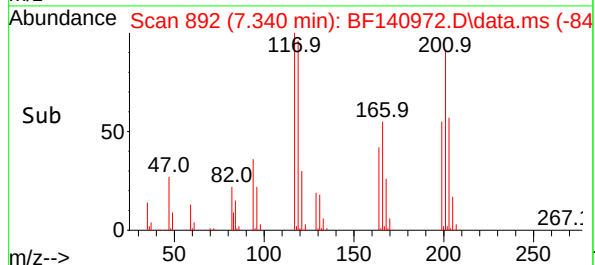
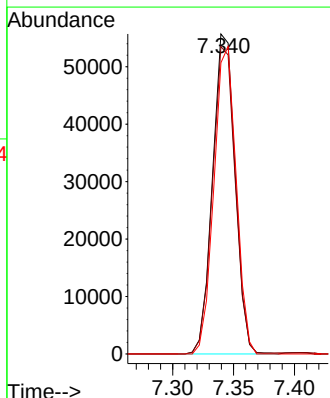
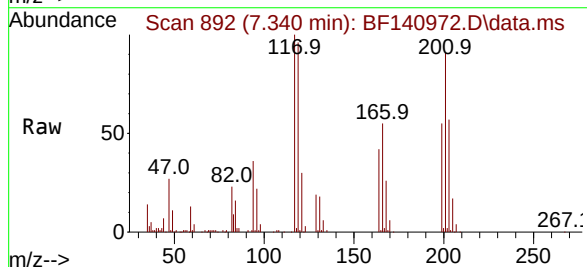
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

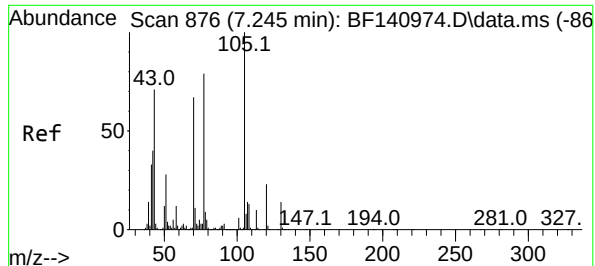
Tgt Ion:	107	Resp:	151661
Ion	Ratio	Lower	Upper
107	100		
108	115.9	90.6	136.0
77	43.3	35.3	52.9
79	43.9	35.3	52.9



#18
Hexachloroethane
Concen: 10.361 ng
RT: 7.340 min Scan# 892
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:	117	Resp:	71922
Ion	Ratio	Lower	Upper
117	100		
119	96.1	77.5	116.3
201	91.0	77.4	116.2





#19

n-Nitroso-di-n-propylamine

Concen: 10.763 ng

RT: 7.234 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF140972.D

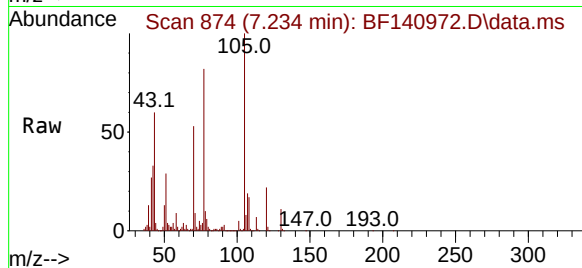
Acq: 26 Dec 2024 17:15

Instrument :

BNA_F

ClientSampleId :

SSTDICC010



Tgt Ion: 70 Resp: 141506

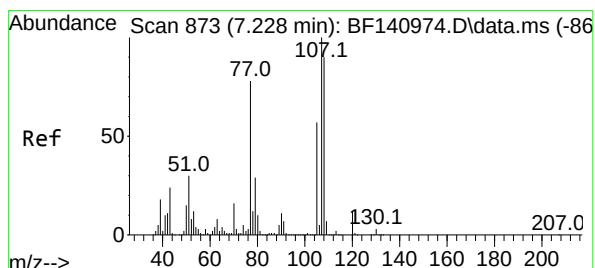
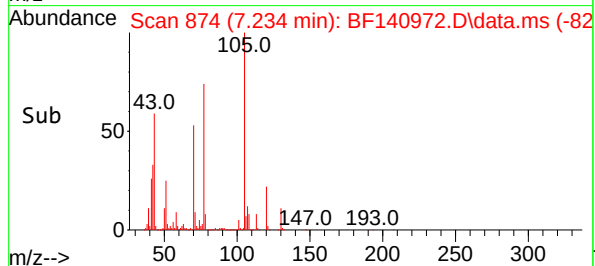
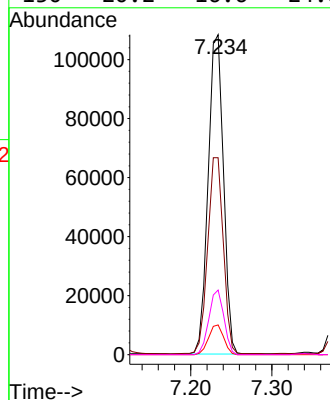
Ion Ratio Lower Upper

70 100

42 61.5 48.1 72.1

101 9.3 7.6 11.4

130 20.2 16.6 24.8



#20

3+4-Methylphenols

Concen: 11.040 ng

RT: 7.222 min Scan# 872

Delta R.T. -0.006 min

Lab File: BF140972.D

Acq: 26 Dec 2024 17:15

Tgt Ion: 107 Resp: 203866

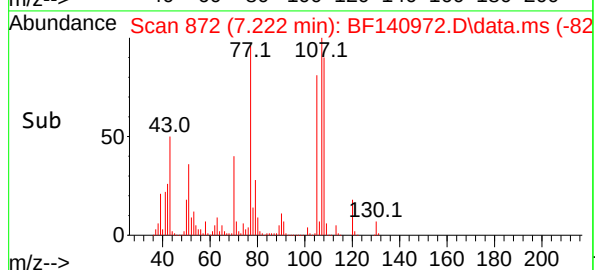
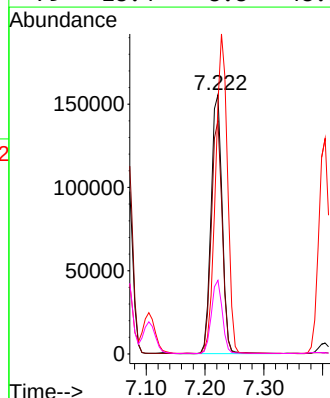
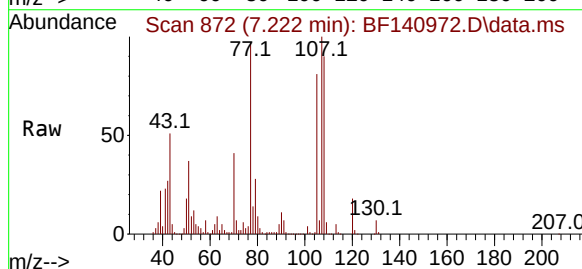
Ion Ratio Lower Upper

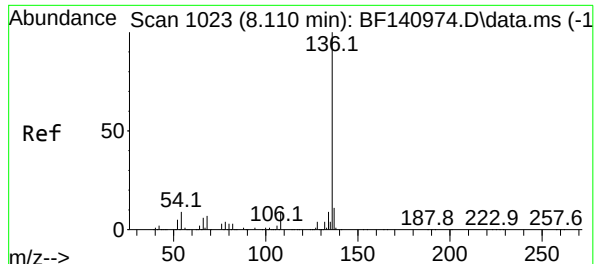
107 100

108 90.0 69.6 109.6

77 96.6 57.6 97.6

79 28.4 8.8 48.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.110 min Scan# 1023

Delta R.T. 0.000 min

Lab File: BF140972.D

Acq: 26 Dec 2024 17:15

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:136 Resp: 1005088

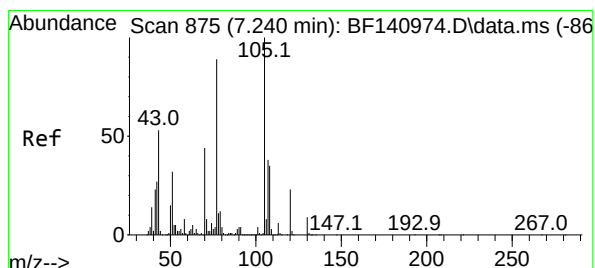
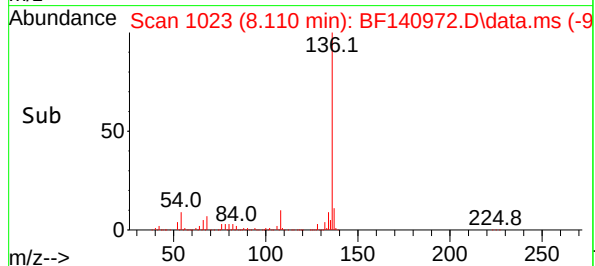
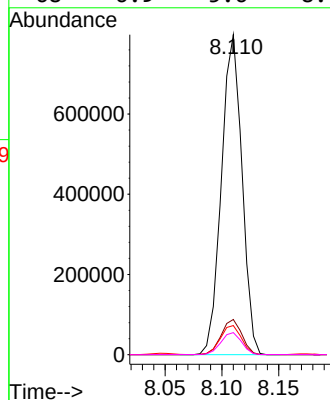
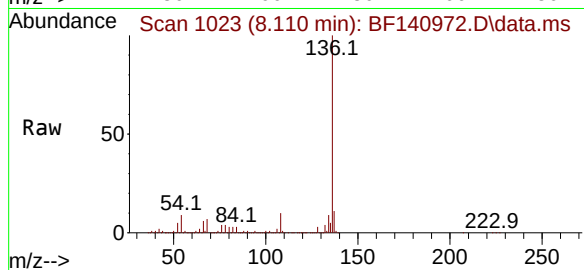
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.4

54 9.1 7.6 11.4

68 6.9 5.6 8.4



#22

Acetophenone

Concen: 10.898 ng

RT: 7.228 min Scan# 873

Delta R.T. -0.012 min

Lab File: BF140972.D

Acq: 26 Dec 2024 17:15

Tgt Ion:105 Resp: 268709

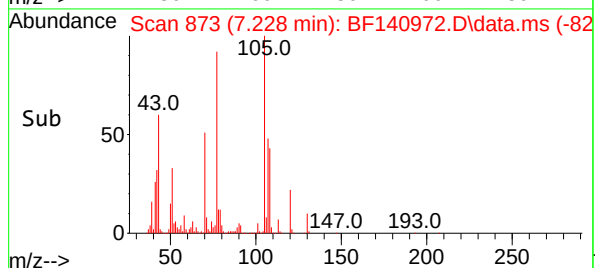
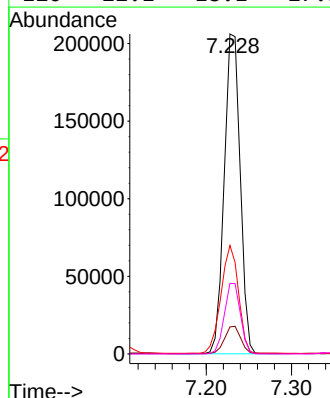
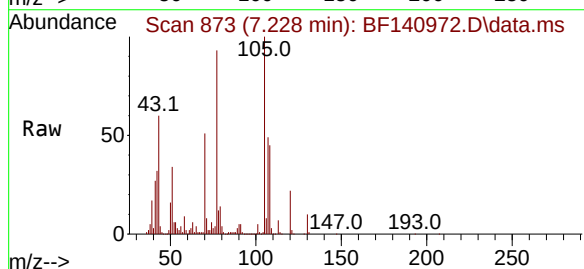
Ion Ratio Lower Upper

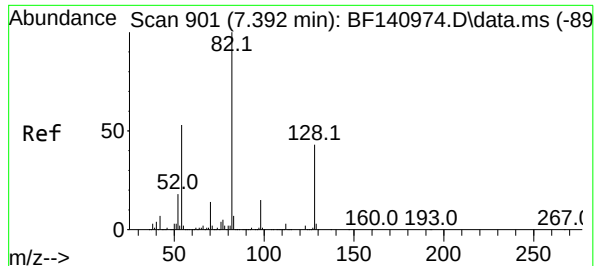
105 100

71 8.4 6.1 9.1

51 33.9 25.8 38.6

120 22.1 18.1 27.1





#23

Nitrobenzene-d5

Concen: 17.691 ng

RT: 7.387 min Scan# 901

Delta R.T. -0.006 min

Lab File: BF140972.D

Acq: 26 Dec 2024 17:15

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

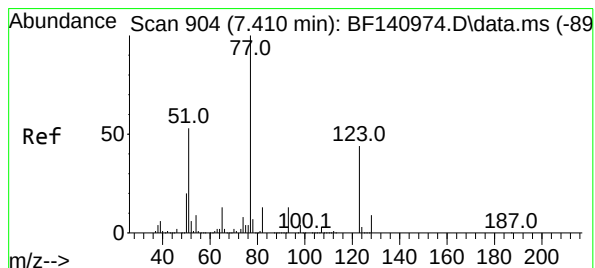
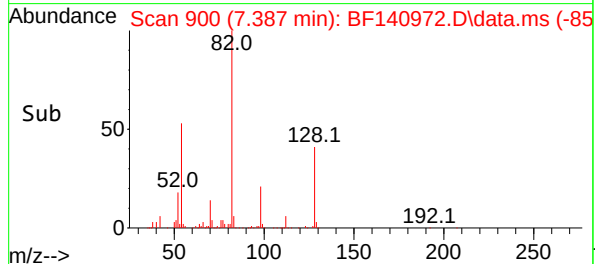
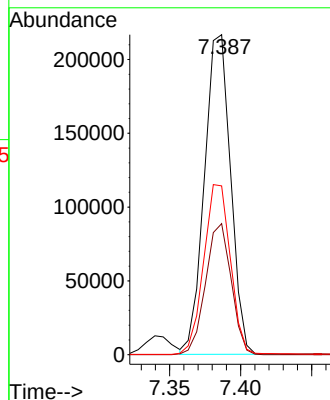
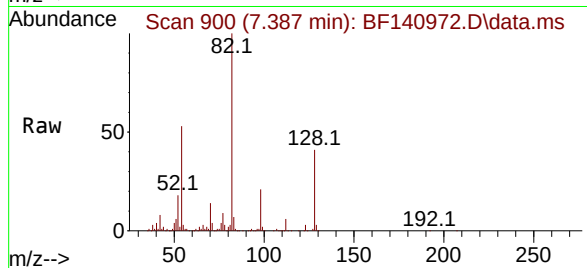
Tgt Ion: 82 Resp: 277918

Ion Ratio Lower Upper

82 100

128 41.0 34.4 51.6

54 52.8 42.4 63.6



#24

Nitrobenzene

Concen: 9.121 ng

RT: 7.404 min Scan# 903

Delta R.T. -0.006 min

Lab File: BF140972.D

Acq: 26 Dec 2024 17:15

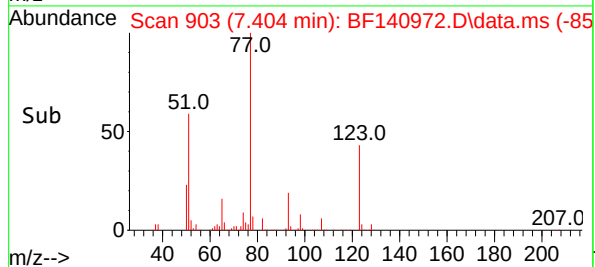
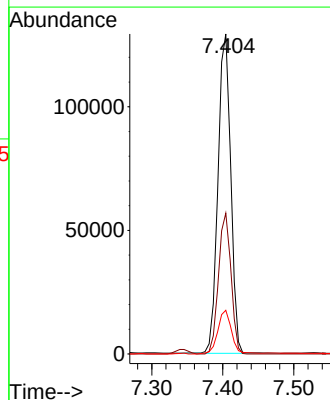
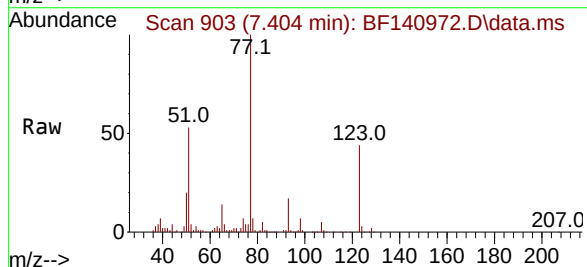
Tgt Ion: 77 Resp: 160105

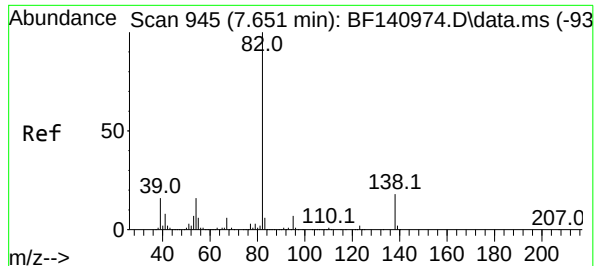
Ion Ratio Lower Upper

77 100

123 44.0 35.4 53.2

65 13.7 10.7 16.1

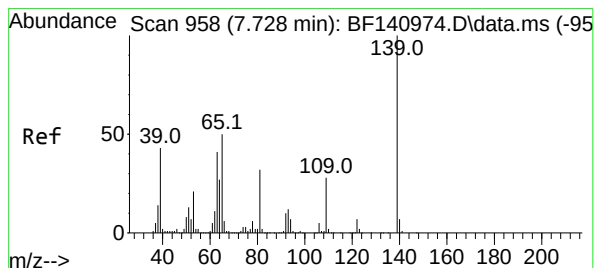
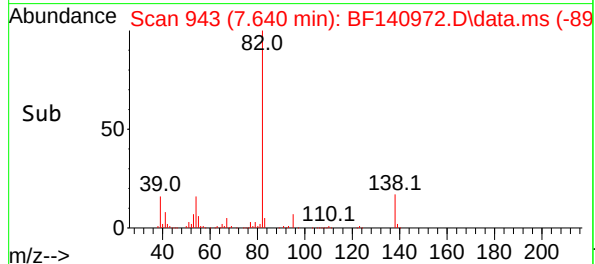
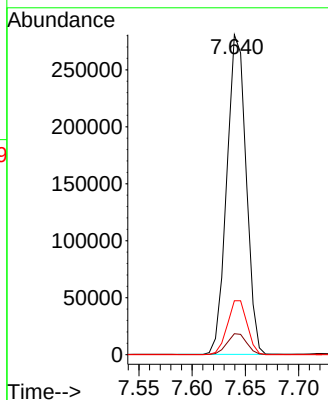
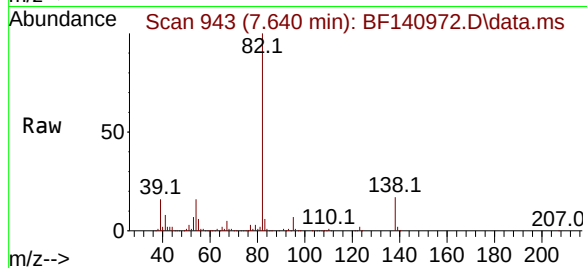




#25
Isophorone
Concen: 10.381 ng
RT: 7.640 min Scan# 94
Delta R.T. -0.012 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

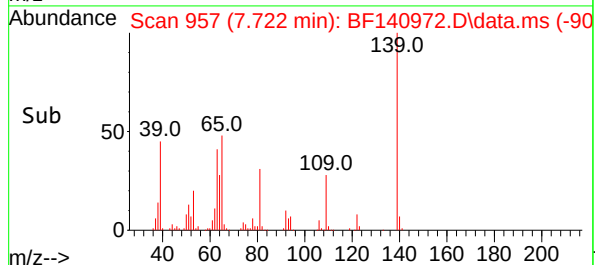
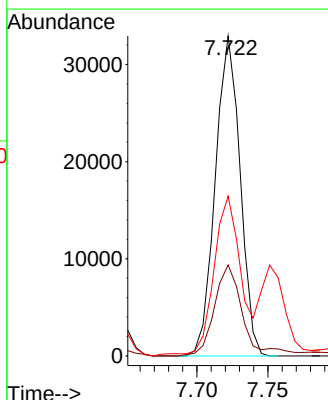
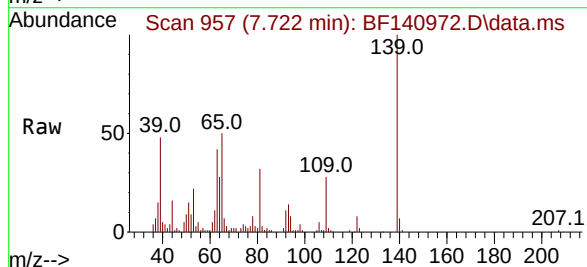
Instrument :
BNA_F
ClientSampleId :
SSTDIC010

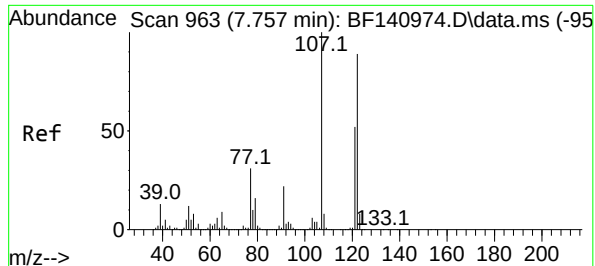
Tgt Ion: 82 Resp: 354894
Ion Ratio Lower Upper
82 100
95 6.6 5.6 8.4
138 16.8 14.6 21.8



#26
2-Nitrophenol
Concen: 10.245 ng
RT: 7.722 min Scan# 957
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion: 139 Resp: 39980
Ion Ratio Lower Upper
139 100
109 28.5 22.2 33.4
65 49.9 40.2 60.4





#27

2,4-Dimethylphenol

Concen: 10.276 ng

RT: 7.751 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF140972.D

Acq: 26 Dec 2024 17:15

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

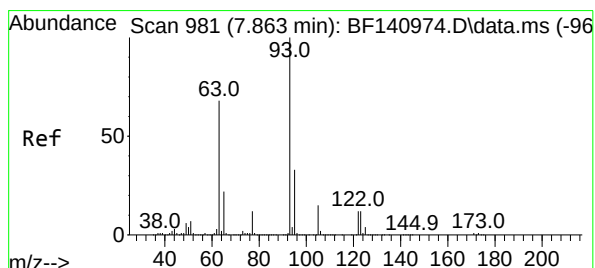
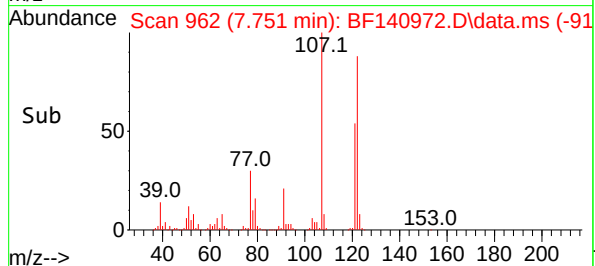
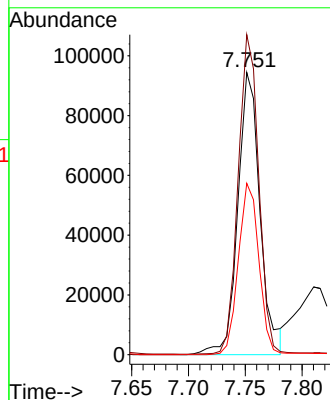
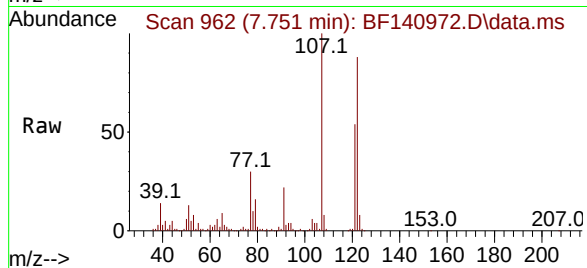
Tgt Ion:122 Resp: 128382

Ion Ratio Lower Upper

122 100

107 113.4 89.4 134.2

121 60.7 46.7 70.1



#28

bis(2-Chloroethoxy)methane

Concen: 10.730 ng

RT: 7.857 min Scan# 980

Delta R.T. -0.006 min

Lab File: BF140972.D

Acq: 26 Dec 2024 17:15

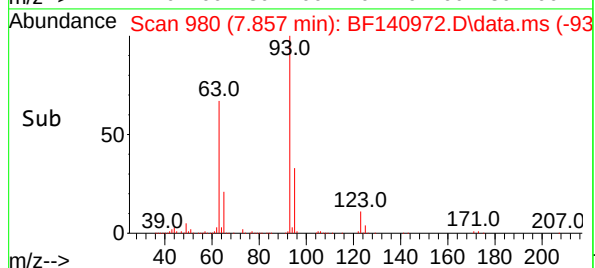
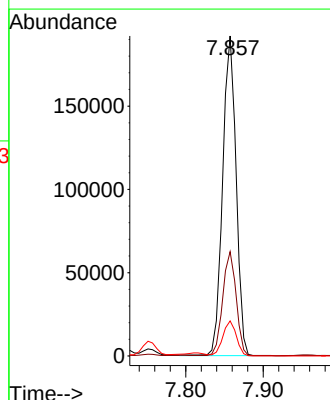
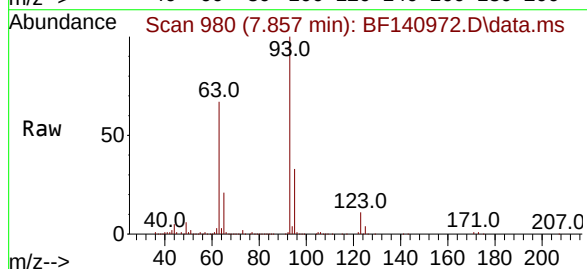
Tgt Ion: 93 Resp: 232407

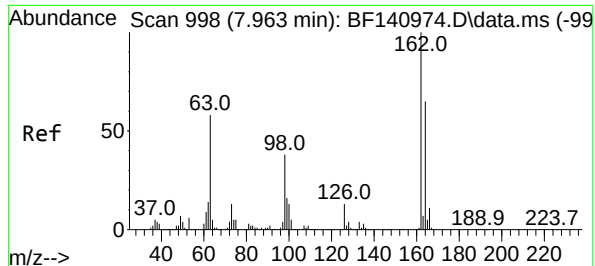
Ion Ratio Lower Upper

93 100

95 32.6 26.2 39.4

123 11.0 9.9 14.9





#29

2,4-Dichlorophenol

Concen: 10.238 ng

RT: 7.957 min Scan# 99

Delta R.T. -0.006 min

Lab File: BF140972.D

Acq: 26 Dec 2024 17:15

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

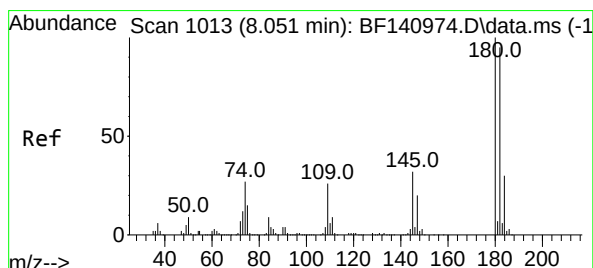
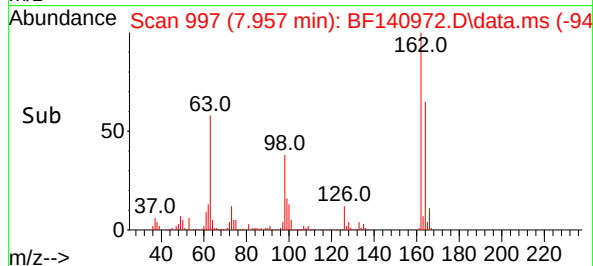
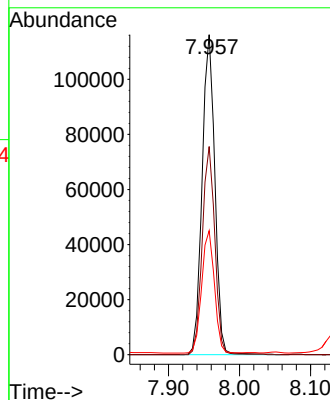
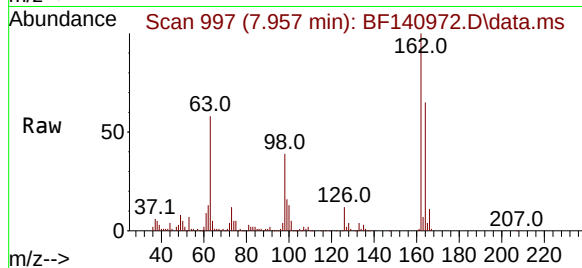
Tgt Ion:162 Resp: 145068

Ion Ratio Lower Upper

162 100

164 65.0 44.8 84.8

98 38.7 18.6 58.6



#30

1,2,4-Trichlorobenzene

Concen: 10.498 ng

RT: 8.051 min Scan# 1013

Delta R.T. 0.000 min

Lab File: BF140972.D

Acq: 26 Dec 2024 17:15

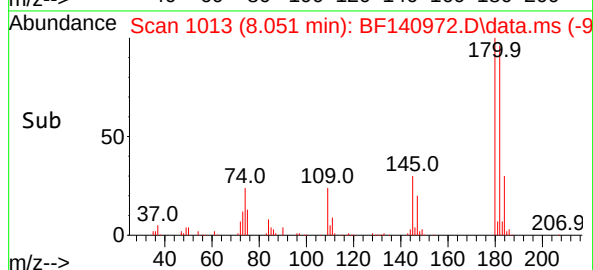
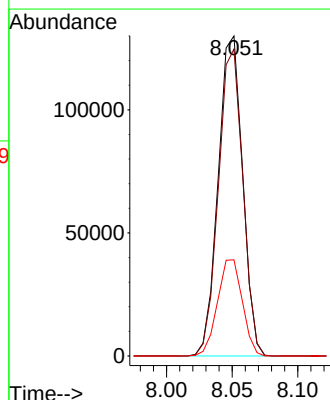
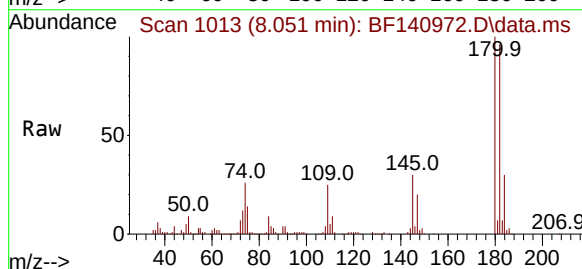
Tgt Ion:180 Resp: 168369

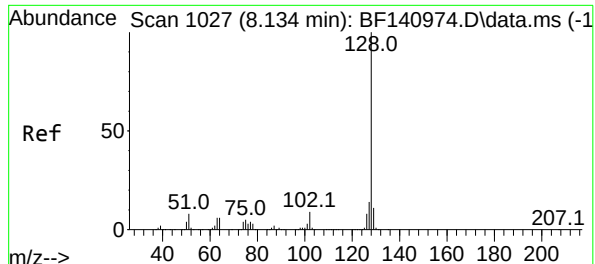
Ion Ratio Lower Upper

180 100

182 95.9 76.2 114.4

145 30.1 25.4 38.2

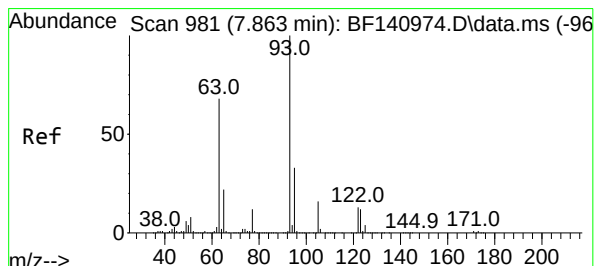
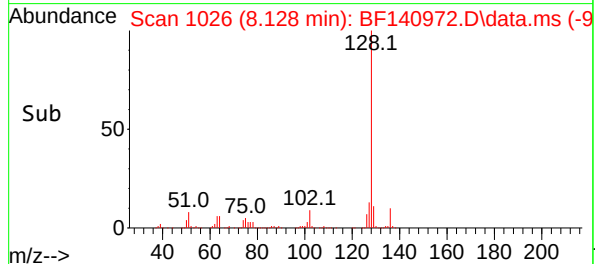
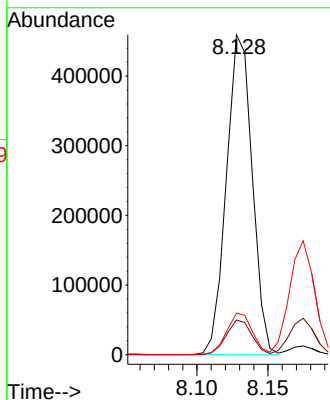
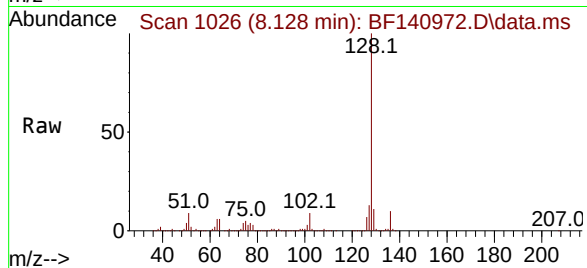




#31
Naphthalene
Concen: 10.951 ng
RT: 8.128 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

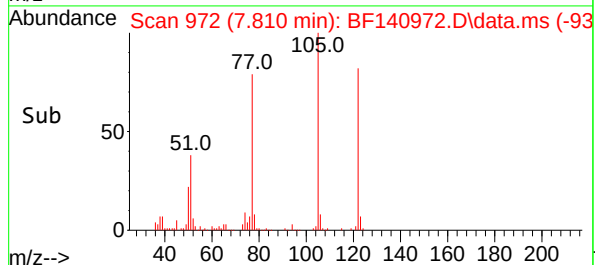
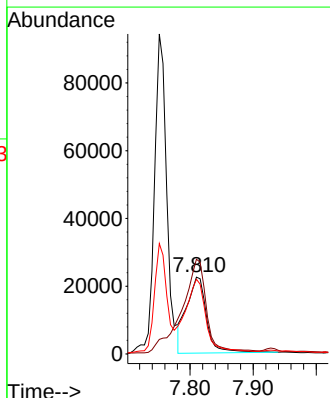
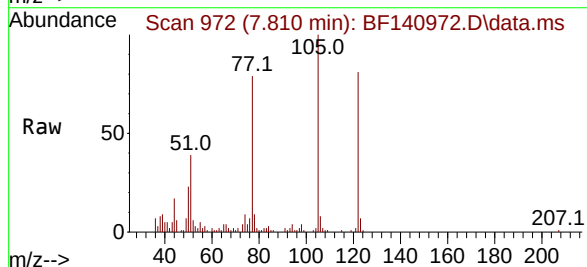
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

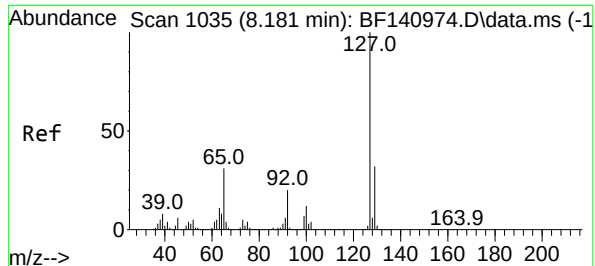
Tgt Ion:128 Resp: 579991
Ion Ratio Lower Upper
128 100
129 10.9 9.2 13.8
127 13.0 11.0 16.4



#32
Benzoic acid
Concen: 11.743 ng
RT: 7.810 min Scan# 972
Delta R.T. -0.053 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:122 Resp: 49591
Ion Ratio Lower Upper
122 100
105 123.3 105.4 145.4
77 97.4 76.4 116.4





#33

4-Chloroaniline

Concen: 10.433 ng

RT: 8.175 min Scan# 1035

Delta R.T. -0.006 min

Lab File: BF140972.D

Acq: 26 Dec 2024 17:15

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:127 Resp: 199889

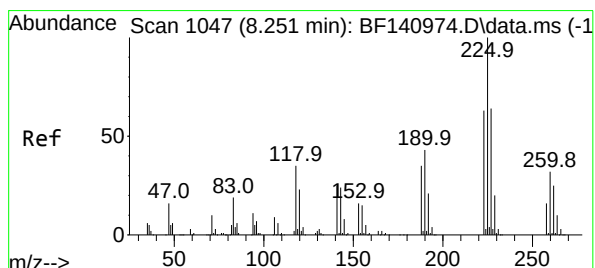
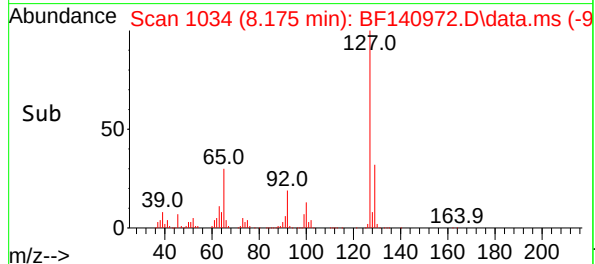
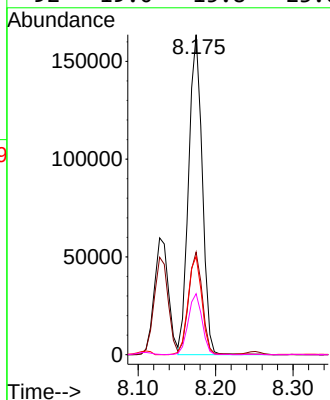
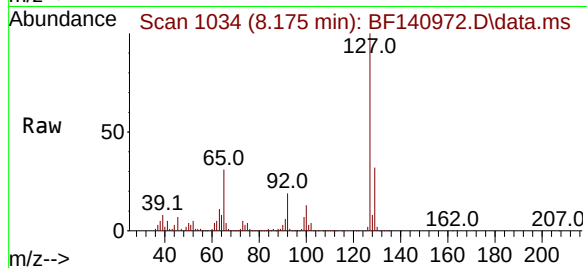
Ion Ratio Lower Upper

127 100

129 32.0 26.1 39.1

65 30.7 24.6 37.0

92 19.0 15.8 23.6



#34

Hexachlorobutadiene

Concen: 10.579 ng

RT: 8.251 min Scan# 1047

Delta R.T. 0.000 min

Lab File: BF140972.D

Acq: 26 Dec 2024 17:15

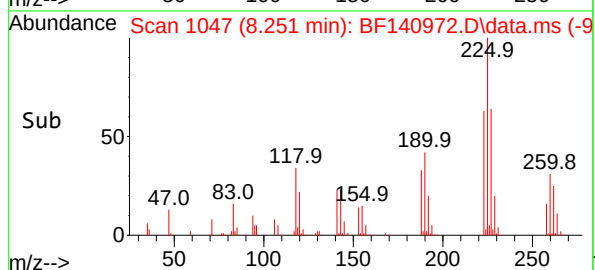
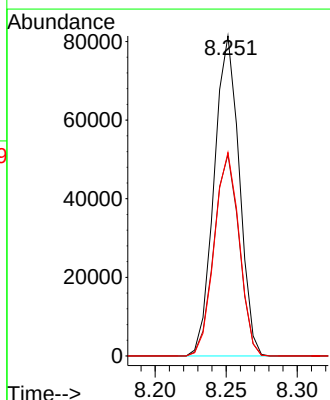
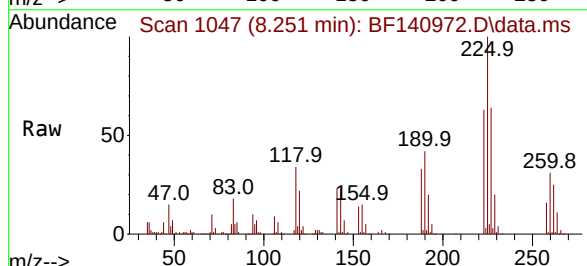
Tgt Ion:225 Resp: 100026

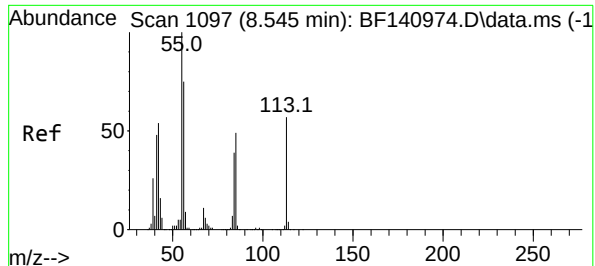
Ion Ratio Lower Upper

225 100

223 62.9 50.3 75.5

227 63.6 50.8 76.2

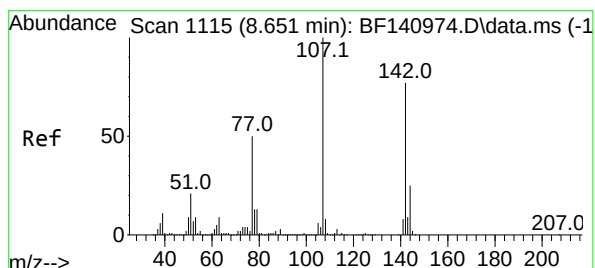
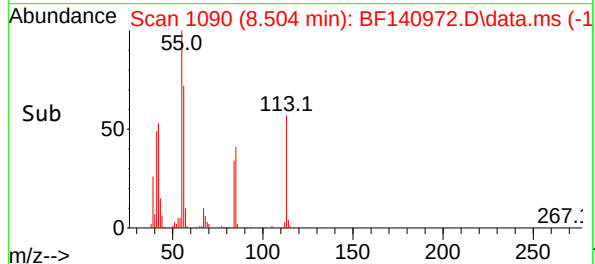
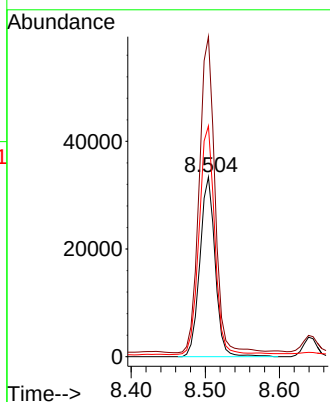
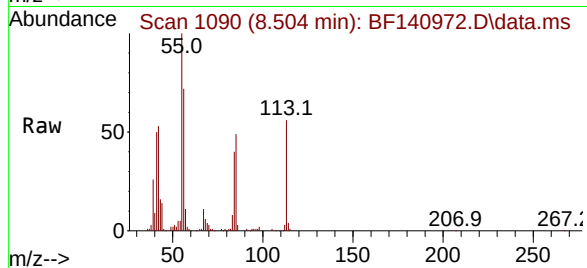




#35
Caprolactam
Concen: 9.936 ng
RT: 8.504 min Scan# 1090
Delta R.T. -0.041 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

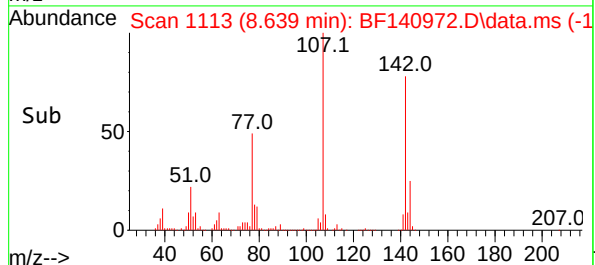
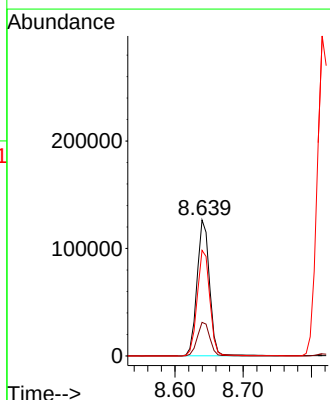
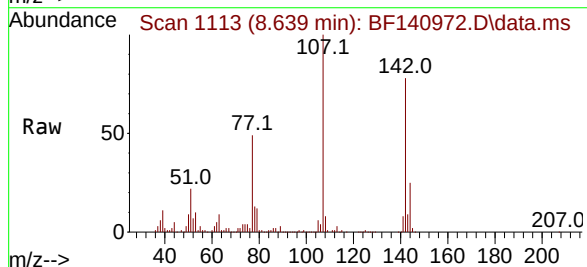
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

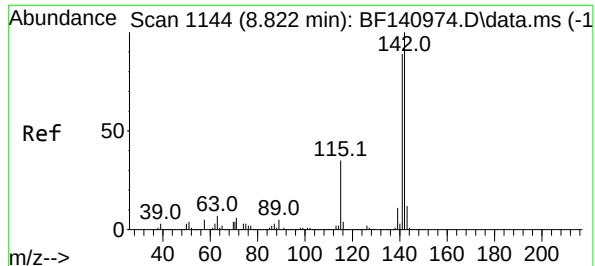
Tgt Ion	Ratio	Lower	Upper
113	100		
55	178.1	156.6	196.6
56	128.4	111.7	151.7



#36
4-Chloro-3-methylphenol
Concen: 10.230 ng
RT: 8.639 min Scan# 1113
Delta R.T. -0.012 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion	Ratio	Lower	Upper
107	100		
144	24.7	19.9	29.9
142	77.7	61.8	92.8





#37

2-Methylnaphthalene

Concen: 10.982 ng

RT: 8.816 min Scan# 1143

Delta R.T. -0.006 min

Lab File: BF140972.D

Acq: 26 Dec 2024 17:15

Instrument :

BNA_F

ClientSampleId :

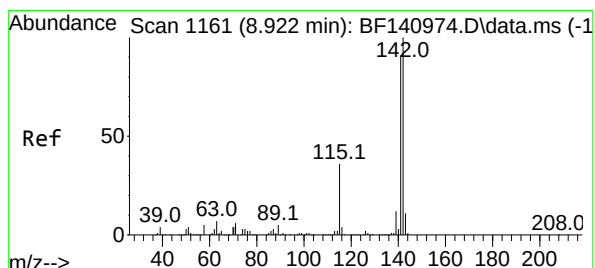
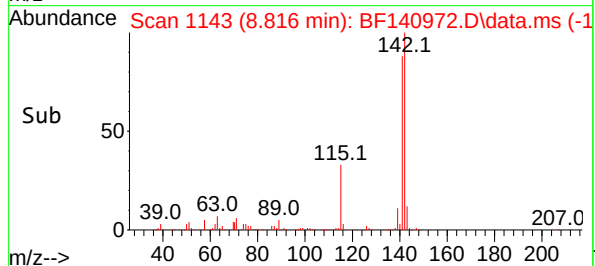
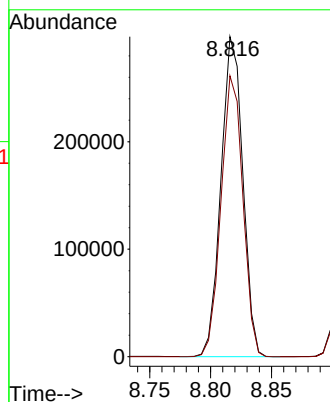
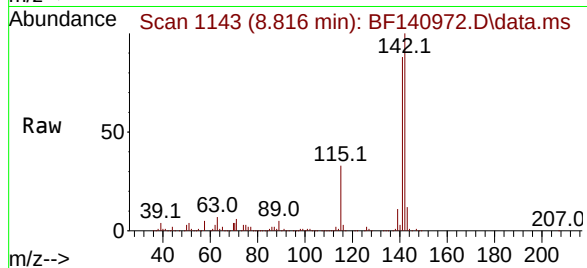
SSTDICC010

Tgt Ion:142 Resp: 372101

Ion Ratio Lower Upper

142 100

141 87.7 71.1 106.7



#38

1-Methylnaphthalene

Concen: 10.903 ng

RT: 8.916 min Scan# 1160

Delta R.T. -0.006 min

Lab File: BF140972.D

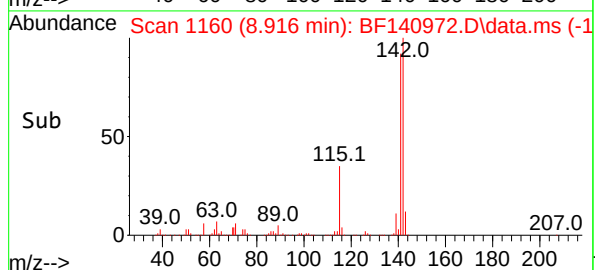
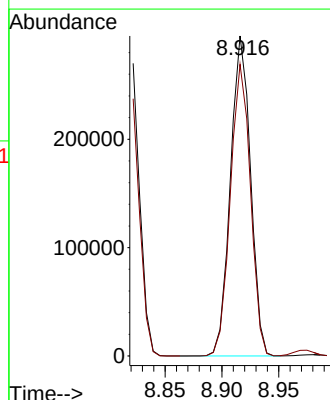
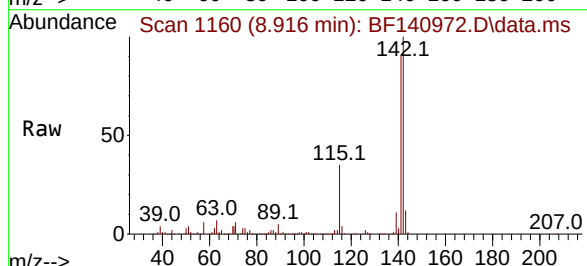
Acq: 26 Dec 2024 17:15

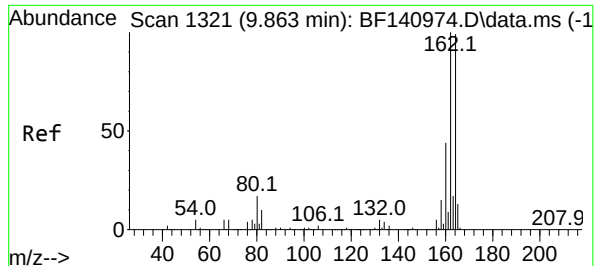
Tgt Ion:142 Resp: 363059

Ion Ratio Lower Upper

142 100

141 91.1 72.7 109.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.857 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140972.D

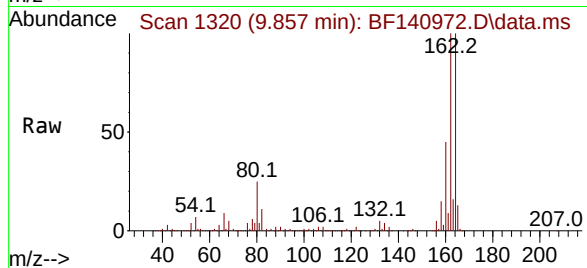
Acq: 26 Dec 2024 17:15

Instrument :

BNA_F

ClientSampleId :

SSTDICC010



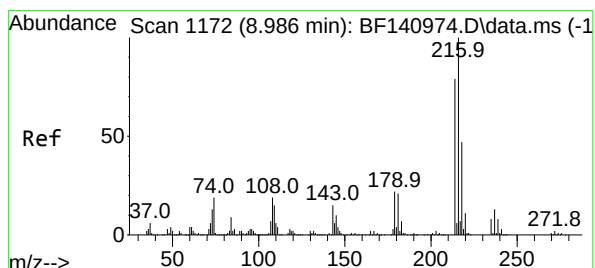
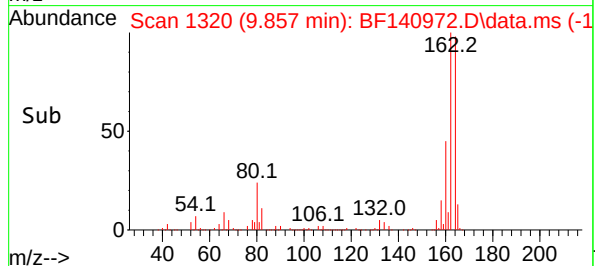
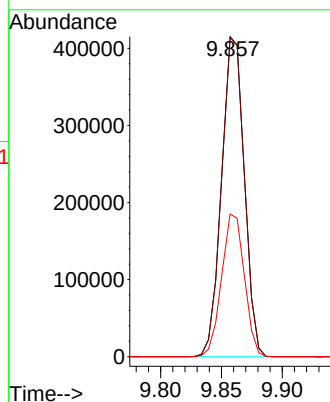
Tgt Ion:164 Resp: 539677

Ion Ratio Lower Upper

164 100

162 99.7 80.6 120.8

160 44.6 35.7 53.5



#40

1,2,4,5-Tetrachlorobenzene

Concen: 10.652 ng

RT: 8.981 min Scan# 1171

Delta R.T. -0.006 min

Lab File: BF140972.D

Acq: 26 Dec 2024 17:15

Tgt Ion:216 Resp: 158150

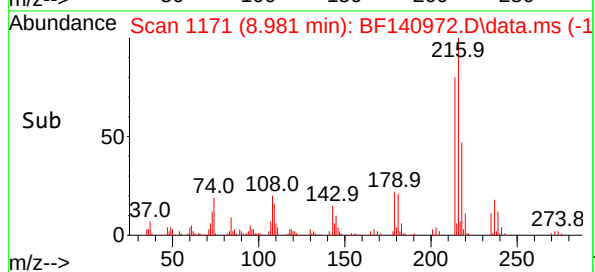
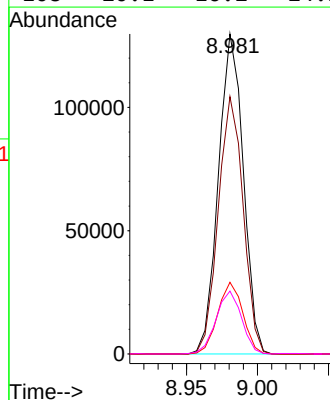
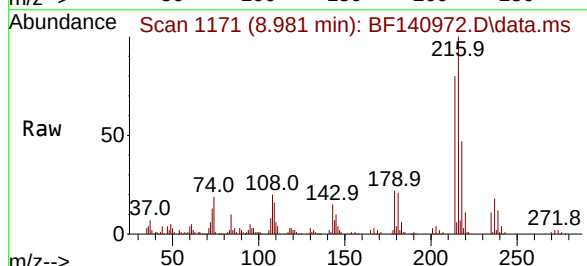
Ion Ratio Lower Upper

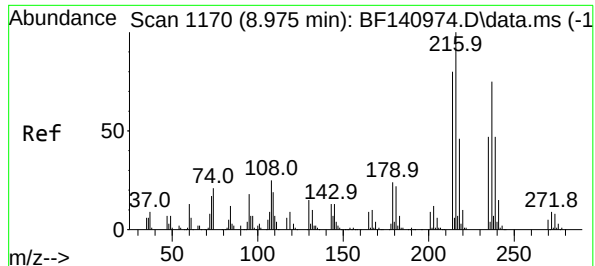
216 100

214 80.4 63.0 94.6

179 22.5 17.9 26.9

108 20.1 16.2 24.2

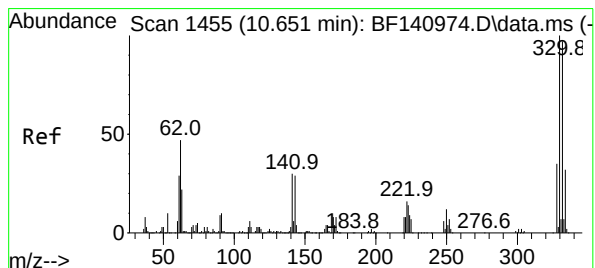
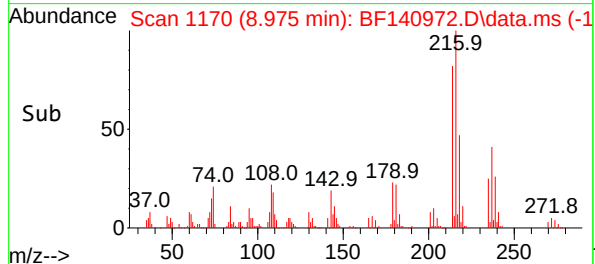
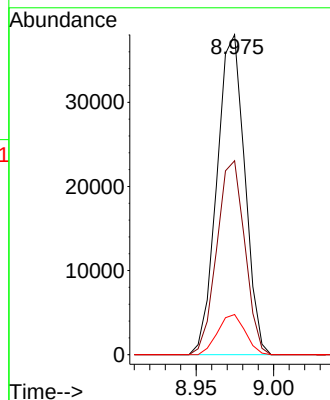
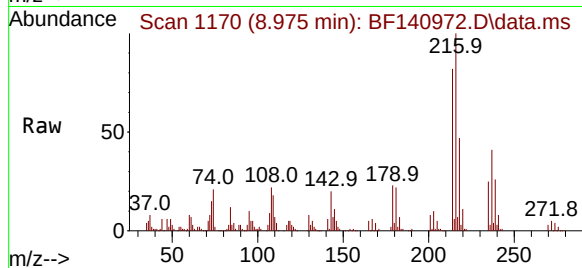




#41
Hexachlorocyclopentadiene
Concen: 9.661 ng
RT: 8.975 min Scan# 1170
Delta R.T. 0.000 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

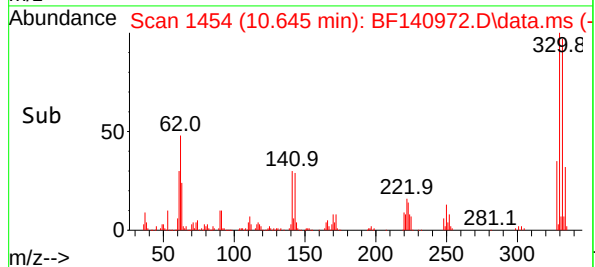
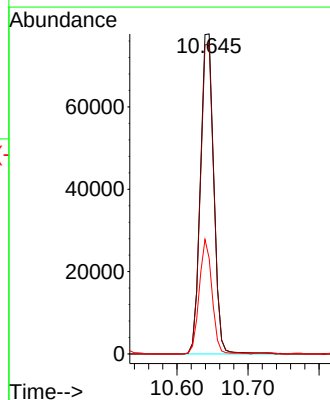
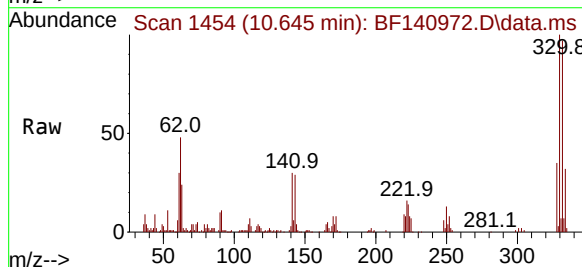
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

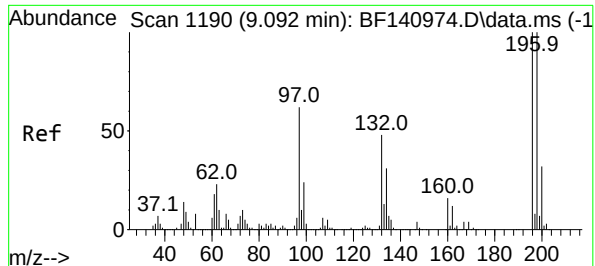
Tgt Ion	Ratio	Lower	Upper
237	100		
235	60.6	43.4	83.4
272	12.6	0.0	32.6



#42
2,4,6-Tribromophenol
Concen: 19.456 ng
RT: 10.645 min Scan# 1454
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.4	78.0	117.0
141	34.1	26.4	39.6





#43

2,4,6-Trichlorophenol

Concen: 9.734 ng

RT: 9.087 min Scan# 1189

Delta R.T. -0.006 min

Lab File: BF140972.D

Acq: 26 Dec 2024 17:15

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

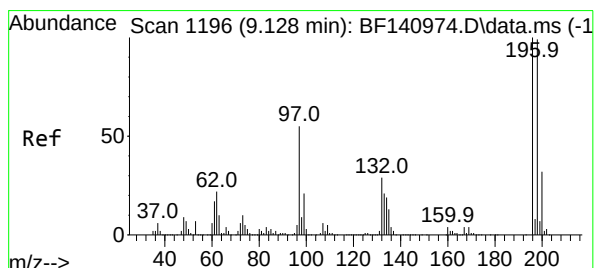
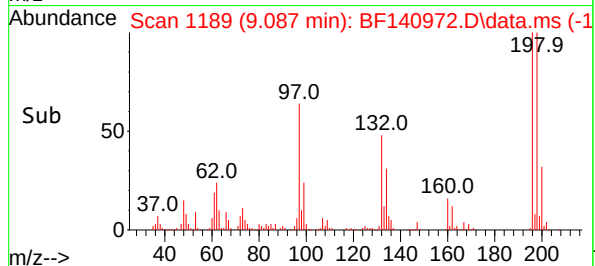
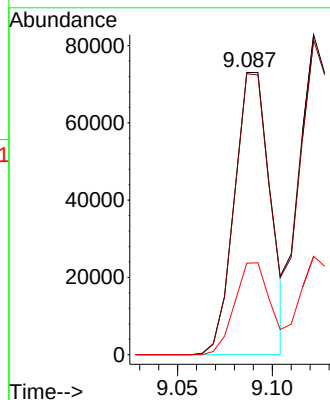
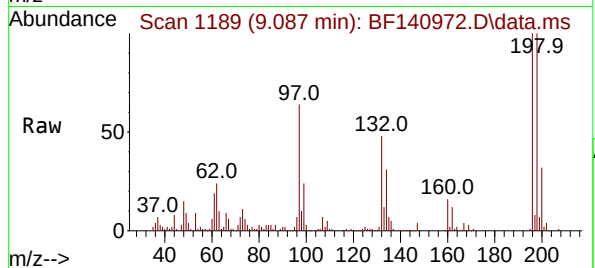
Tgt Ion:196 Resp: 96190

Ion Ratio Lower Upper

196 100

198 99.5 80.2 120.4

200 32.4 25.8 38.6



#44

2,4,5-Trichlorophenol

Concen: 10.371 ng

RT: 9.122 min Scan# 1195

Delta R.T. -0.006 min

Lab File: BF140972.D

Acq: 26 Dec 2024 17:15

Tgt Ion:196 Resp: 104859

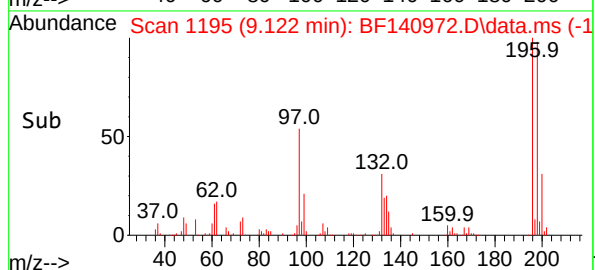
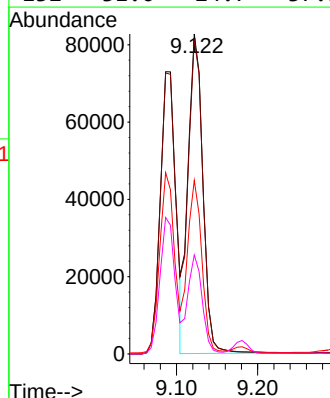
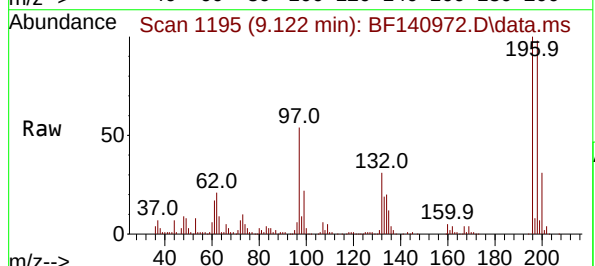
Ion Ratio Lower Upper

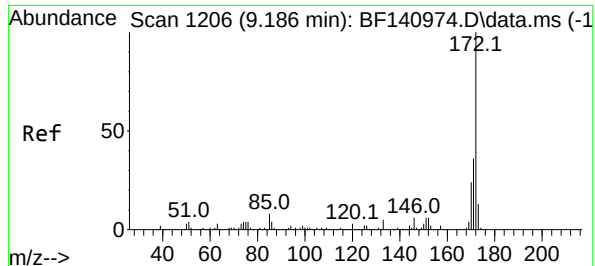
196 100

198 98.3 79.9 119.9

97 54.2 44.3 66.5

132 31.0 24.7 37.1





#45

2-Fluorobiphenyl

Concen: 23.128 ng

RT: 9.181 min Scan# 1206

Delta R.T. -0.006 min

Lab File: BF140972.D

Acq: 26 Dec 2024 17:15

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

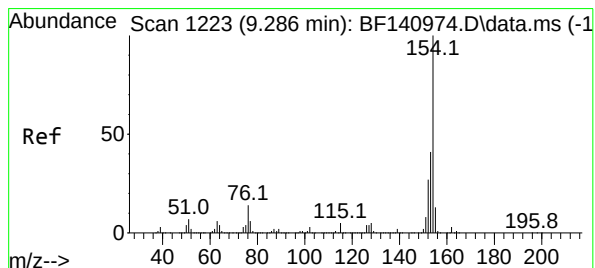
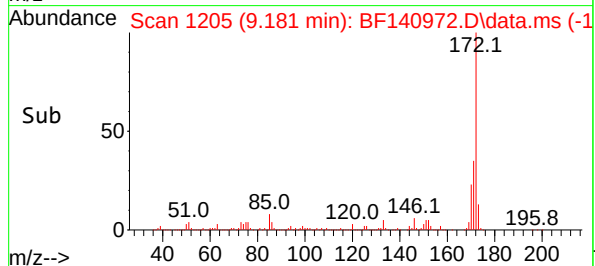
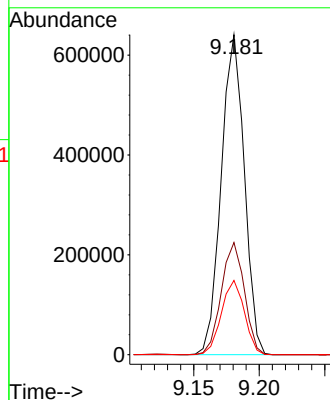
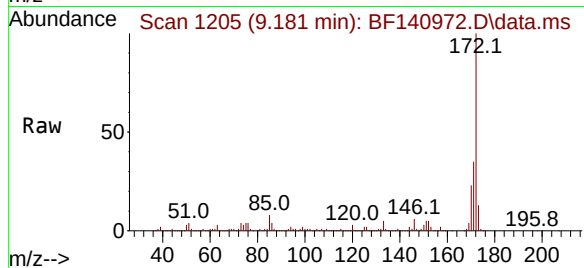
Tgt Ion:172 Resp: 783402

Ion Ratio Lower Upper

172 100

171 35.1 29.0 43.4

170 23.2 19.6 29.4



#46

1,1'-Biphenyl

Concen: 11.074 ng

RT: 9.281 min Scan# 1222

Delta R.T. -0.005 min

Lab File: BF140972.D

Acq: 26 Dec 2024 17:15

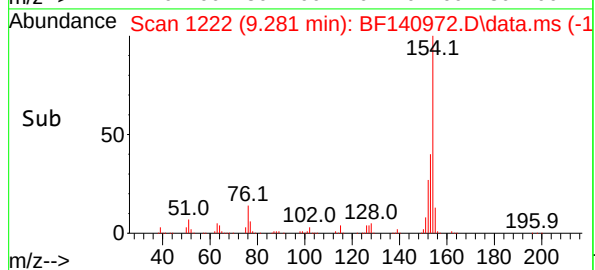
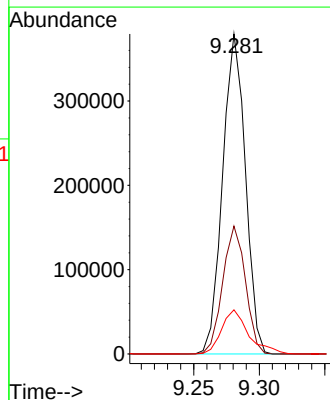
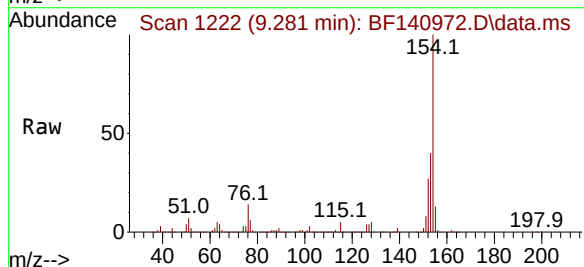
Tgt Ion:154 Resp: 457591

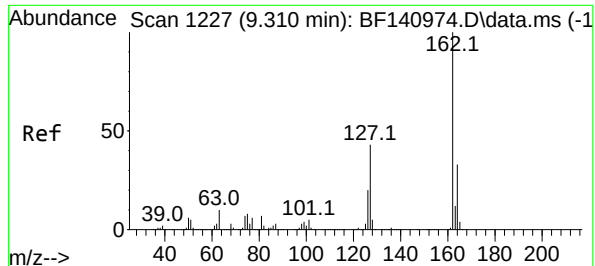
Ion Ratio Lower Upper

154 100

153 40.0 20.9 60.9

76 13.8 0.0 34.0





#47

2-Chloronaphthalene

Concen: 10.884 ng

RT: 9.304 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140972.D

Acq: 26 Dec 2024 17:15

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

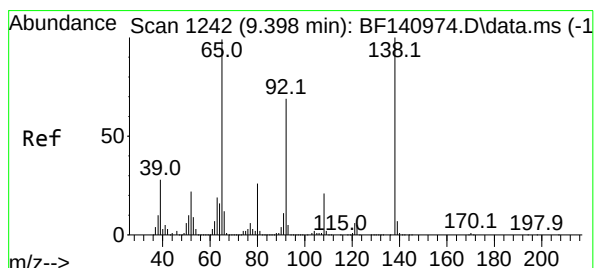
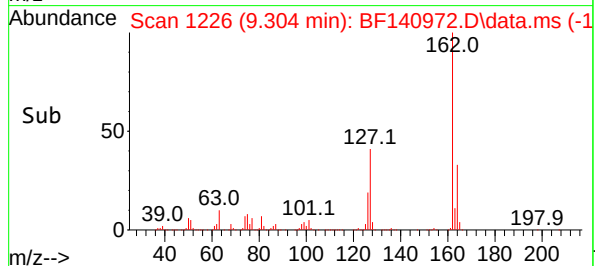
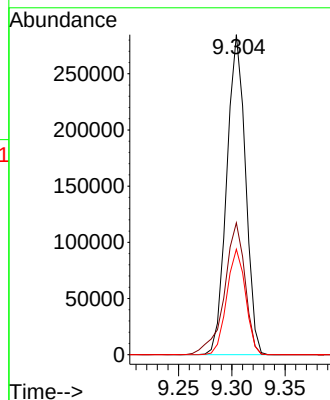
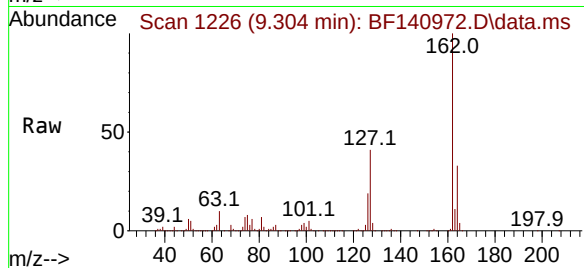
Tgt Ion:162 Resp: 348834

Ion Ratio Lower Upper

162 100

127 41.2 34.2 51.4

164 33.0 26.6 40.0



#48

2-Nitroaniline

Concen: 9.938 ng

RT: 9.392 min Scan# 1241

Delta R.T. -0.006 min

Lab File: BF140972.D

Acq: 26 Dec 2024 17:15

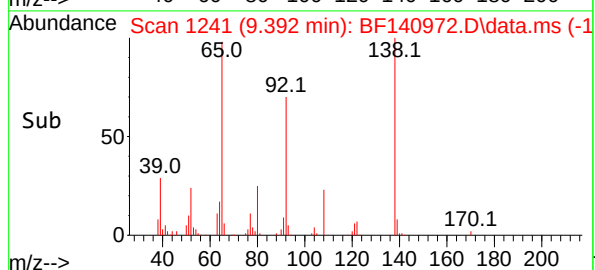
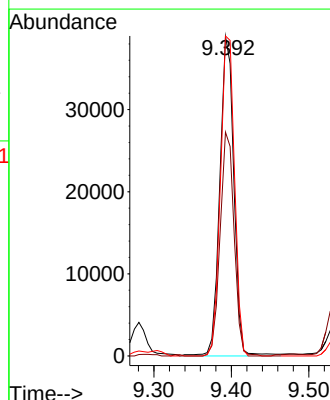
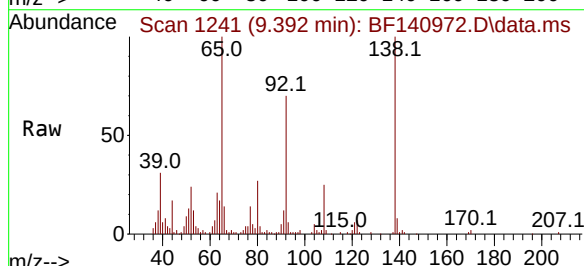
Tgt Ion: 65 Resp: 49140

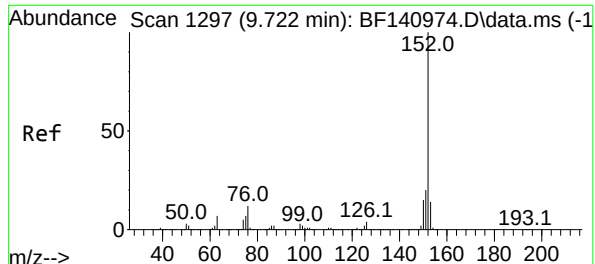
Ion Ratio Lower Upper

65 100

92 70.0 55.6 83.4

138 100.1 80.5 120.7





#49

Acenaphthylene

Concen: 10.933 ng

RT: 9.722 min Scan# 1297

Delta R.T. -0.000 min

Lab File: BF140972.D

Acq: 26 Dec 2024 17:15

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

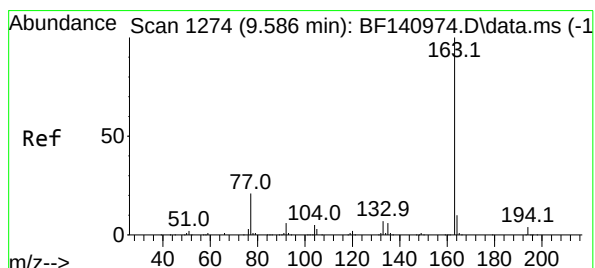
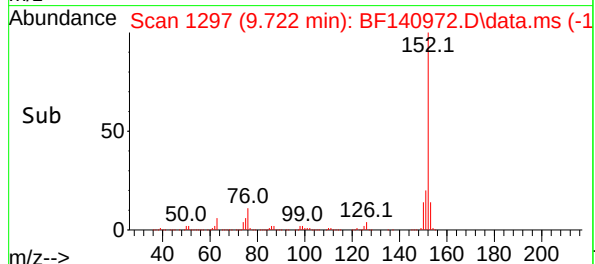
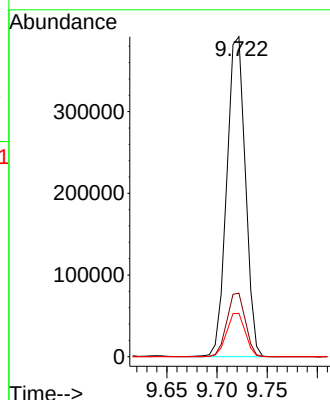
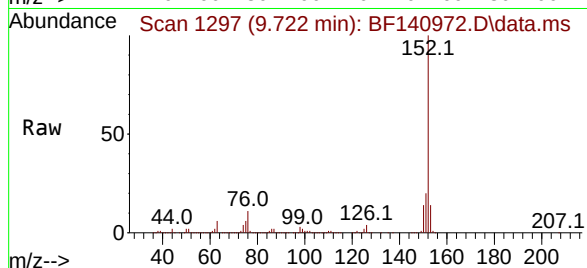
Tgt Ion:152 Resp: 504423

Ion Ratio Lower Upper

152 100

151 19.9 16.2 24.4

153 13.6 11.4 17.0



#50

Dimethylphthalate

Concen: 10.746 ng

RT: 9.575 min Scan# 1272

Delta R.T. -0.011 min

Lab File: BF140972.D

Acq: 26 Dec 2024 17:15

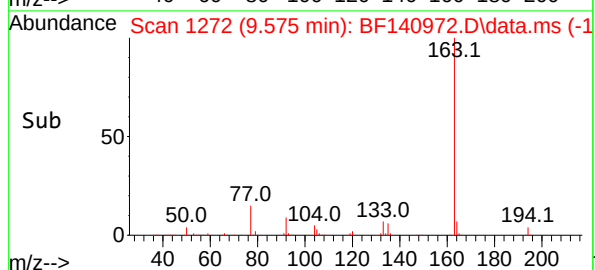
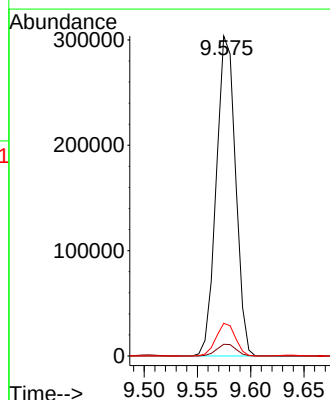
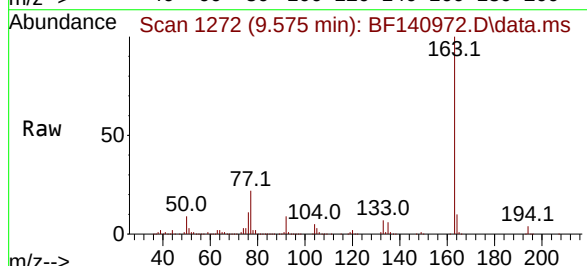
Tgt Ion:163 Resp: 381476

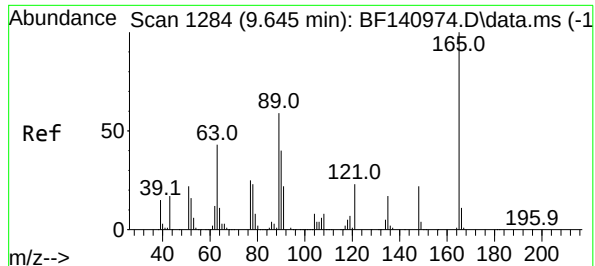
Ion Ratio Lower Upper

163 100

194 3.6 3.1 4.7

164 10.2 8.3 12.5





#51

2,6-Dinitrotoluene

Concen: 9.624 ng

RT: 9.639 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140972.D

Acq: 26 Dec 2024 17:15

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

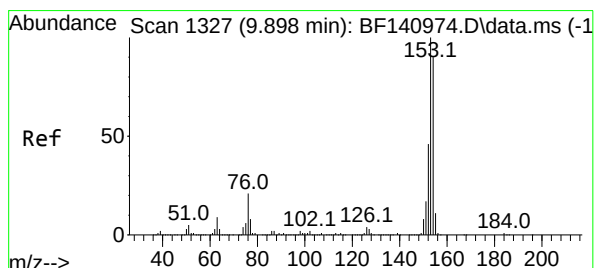
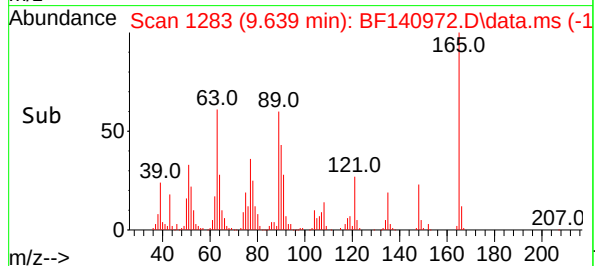
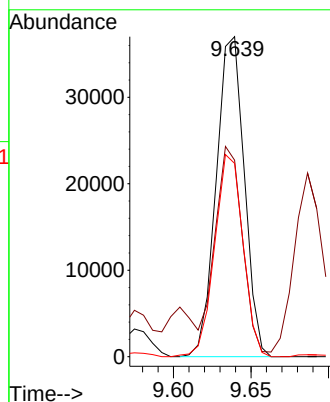
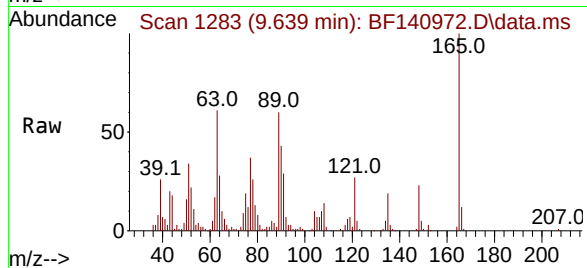
Tgt Ion:165 Resp: 46772

Ion Ratio Lower Upper

165 100

63 61.4 47.1 70.7

89 60.4 47.0 70.4



#52

Acenaphthene

Concen: 10.729 ng

RT: 9.892 min Scan# 1326

Delta R.T. -0.006 min

Lab File: BF140972.D

Acq: 26 Dec 2024 17:15

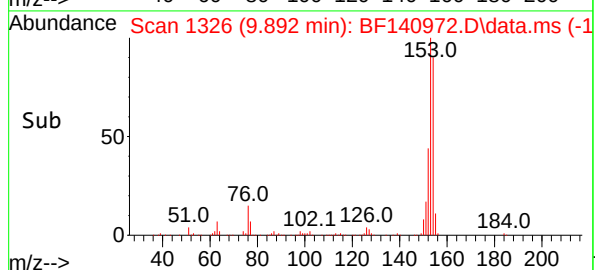
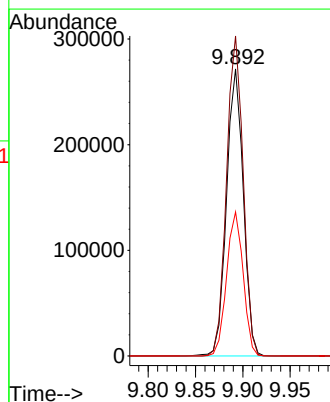
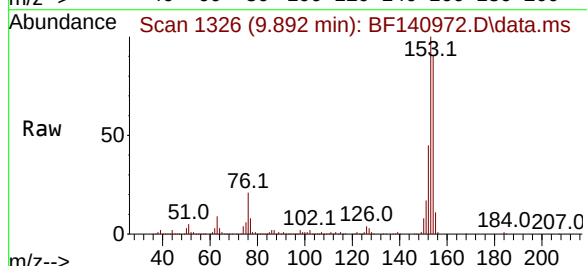
Tgt Ion:154 Resp: 334623

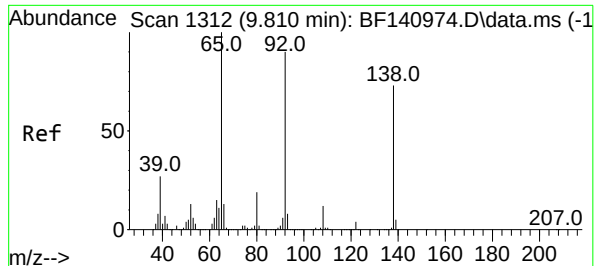
Ion Ratio Lower Upper

154 100

153 111.5 89.2 133.8

152 50.2 40.9 61.3

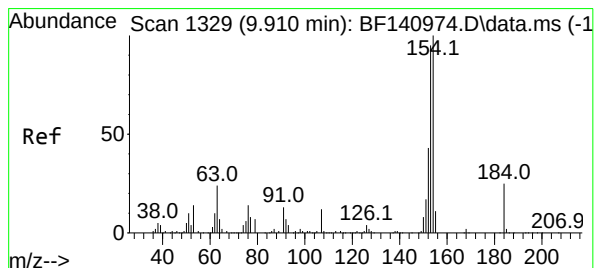
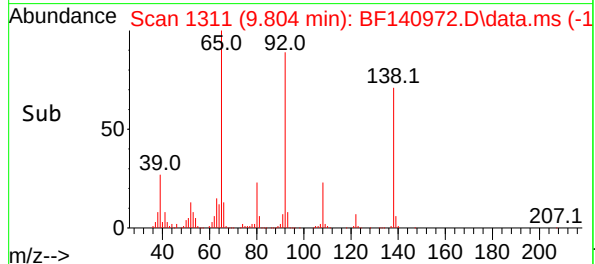
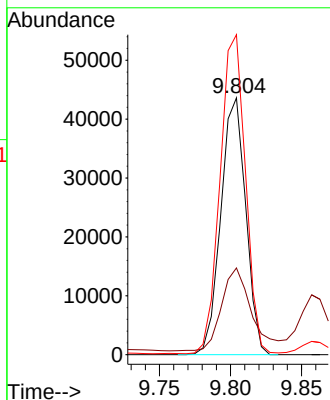
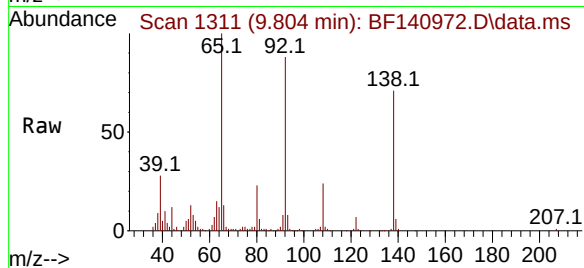




#53
3-Nitroaniline
Concen: 9.568 ng
RT: 9.804 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

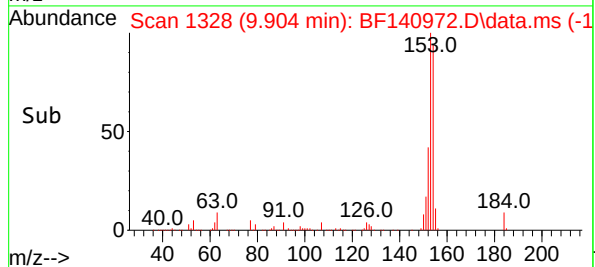
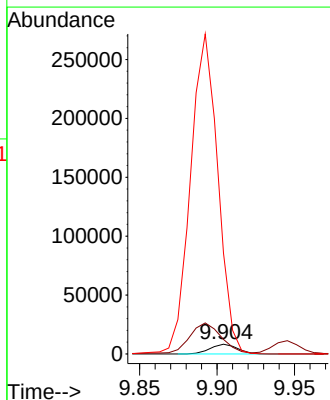
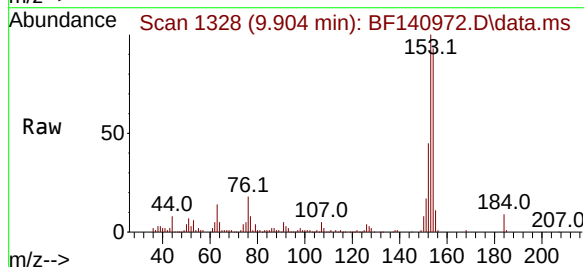
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

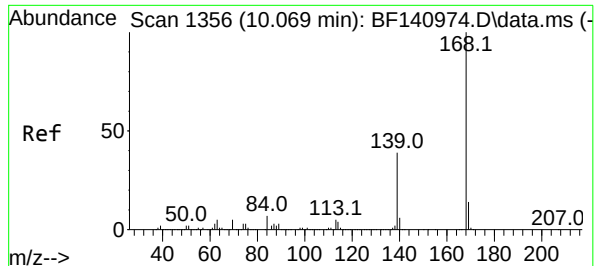
Tgt Ion:138 Resp: 53244
Ion Ratio Lower Upper
138 100
108 33.8 13.5 20.3#
92 124.6 97.7 146.5



#54
2,4-Dinitrophenol
Concen: 11.150 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:184 Resp: 10078
Ion Ratio Lower Upper
184 100
63 150.3 81.6 122.4#
154 1038.6 363.5 545.3#





#55

Dibenzofuran

Concen: 10.959 ng

RT: 10.063 min Scan# 1356

Delta R.T. -0.006 min

Lab File: BF140972.D

Acq: 26 Dec 2024 17:15

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

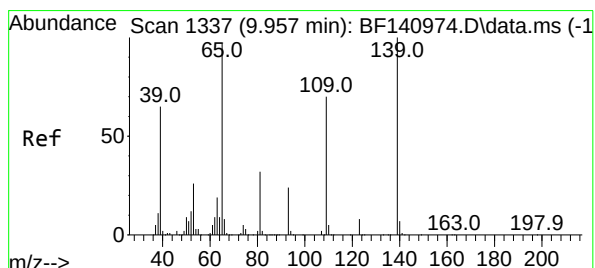
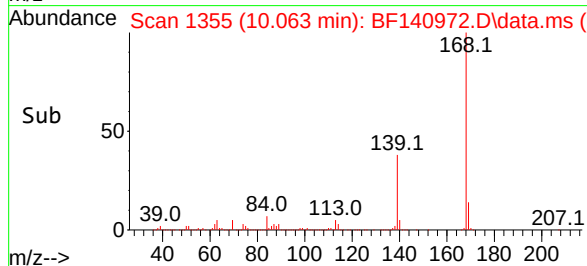
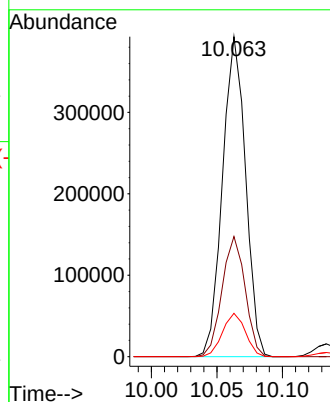
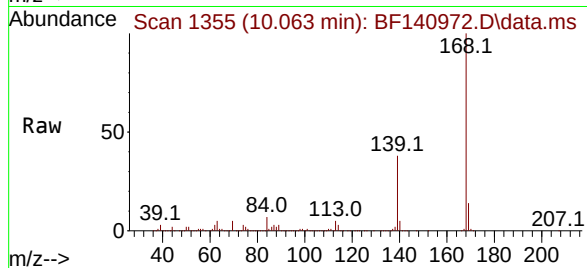
Tgt Ion:168 Resp: 480351

Ion Ratio Lower Upper

168 100

139 37.5 31.6 47.4

169 13.5 11.0 16.6



#56

4-Nitrophenol

Concen: 7.370 ng

RT: 9.945 min Scan# 1335

Delta R.T. -0.012 min

Lab File: BF140972.D

Acq: 26 Dec 2024 17:15

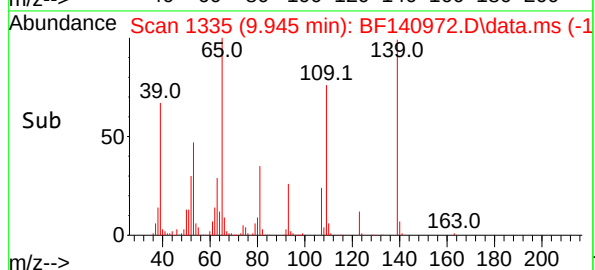
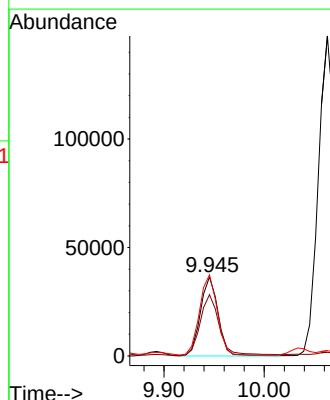
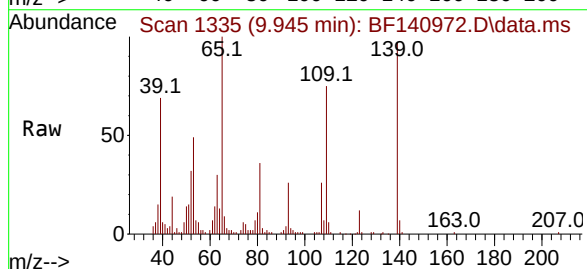
Tgt Ion:139 Resp: 44755

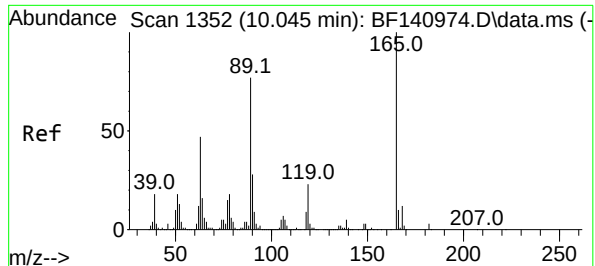
Ion Ratio Lower Upper

139 100

109 77.5 50.8 90.8

65 102.7 78.5 118.5





#57

2,4-Dinitrotoluene

Concen: 9.654 ng

RT: 10.034 min Scan# 1

Delta R.T. -0.011 min

Lab File: BF140972.D

Acq: 26 Dec 2024 17:15

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:165 Resp: 50385

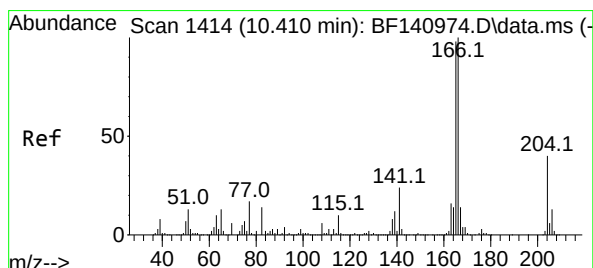
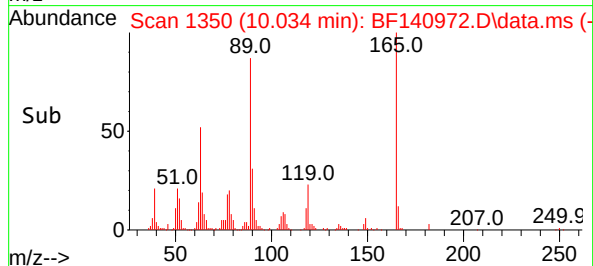
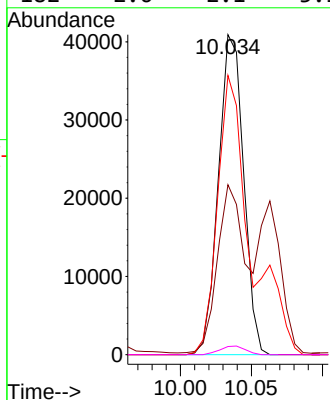
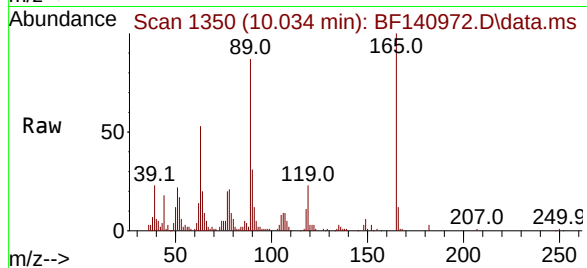
Ion Ratio Lower Upper

165 100

63 53.1 38.1 57.1

89 87.3 61.4 92.2

182 2.6 2.1 3.1



#58

Fluorene

Concen: 11.369 ng

RT: 10.404 min Scan# 1413

Delta R.T. -0.006 min

Lab File: BF140972.D

Acq: 26 Dec 2024 17:15

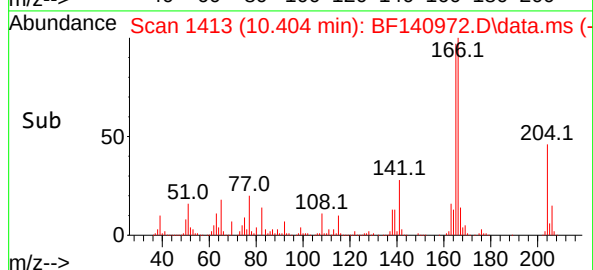
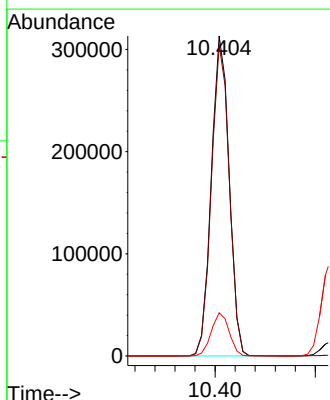
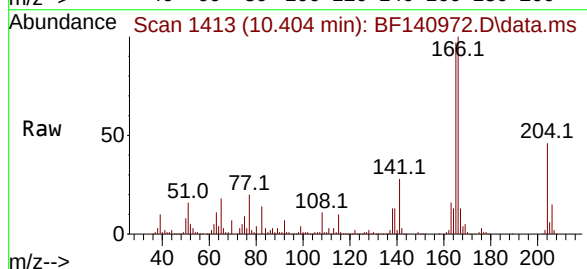
Tgt Ion:166 Resp: 386427

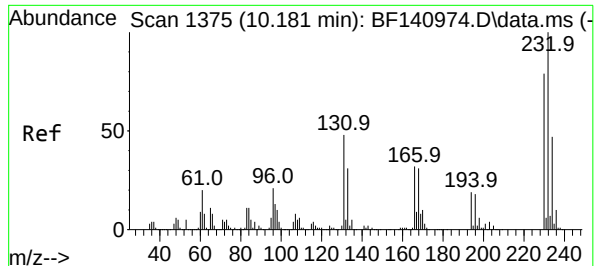
Ion Ratio Lower Upper

166 100

165 97.3 78.3 117.5

167 13.5 10.9 16.3





#59

2,3,4,6-Tetrachlorophenol

Concen: 9.765 ng

RT: 10.175 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140972.D

Acq: 26 Dec 2024 17:15

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:232 Resp: 81766

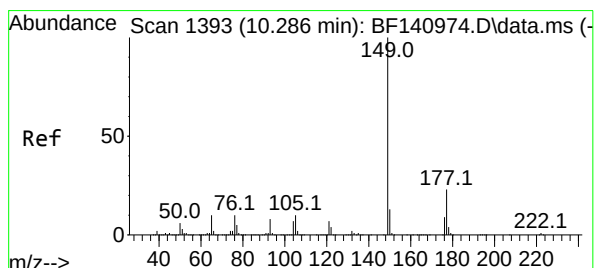
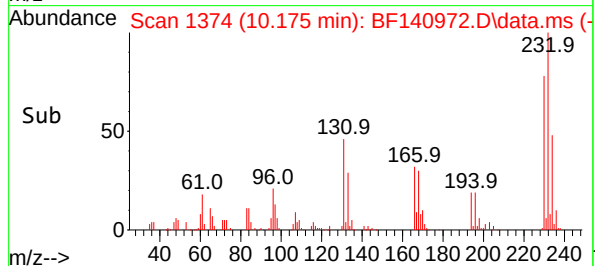
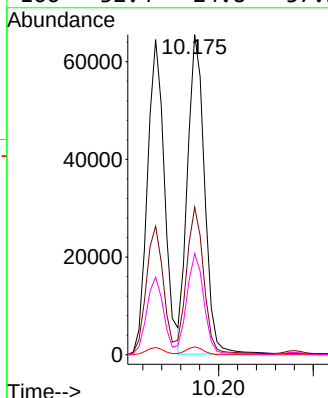
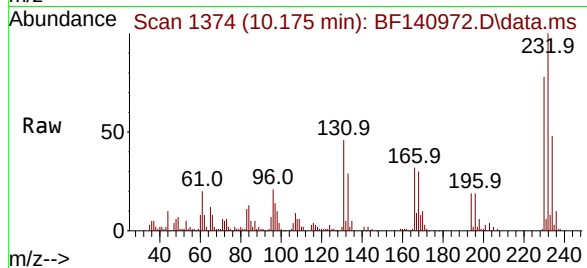
Ion Ratio Lower Upper

232 100

131 47.4 37.4 56.2

130 2.5 1.8 2.8

166 32.4 24.8 37.2



#60

Diethylphthalate

Concen: 10.675 ng

RT: 10.281 min Scan# 1392

Delta R.T. -0.006 min

Lab File: BF140972.D

Acq: 26 Dec 2024 17:15

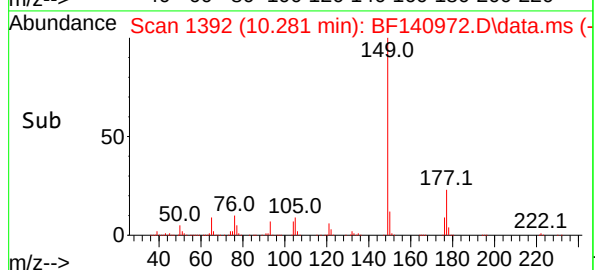
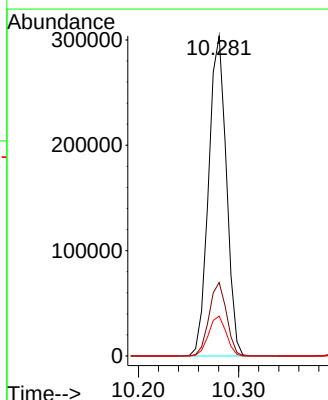
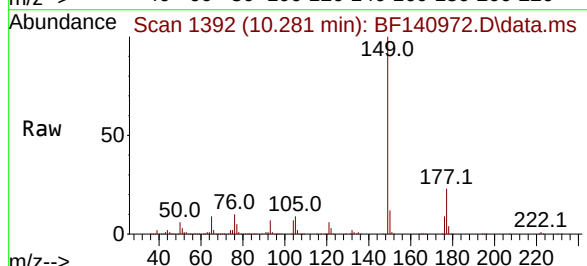
Tgt Ion:149 Resp: 374095

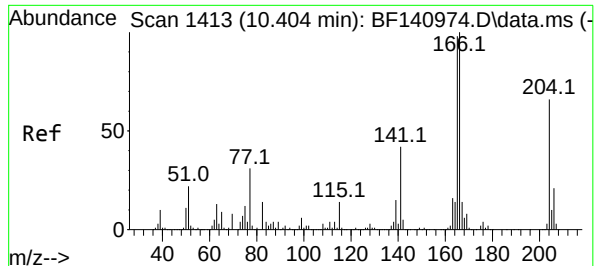
Ion Ratio Lower Upper

149 100

177 22.9 18.3 27.5

150 12.4 10.4 15.6

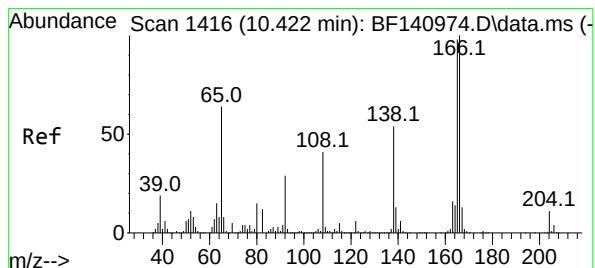
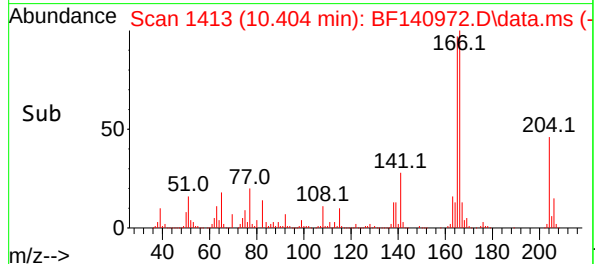
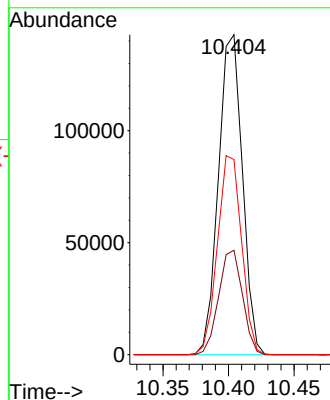
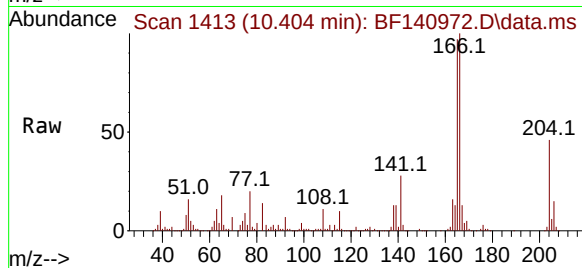




#61
4-Chlorophenyl-phenylether
Concen: 11.109 ng
RT: 10.404 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

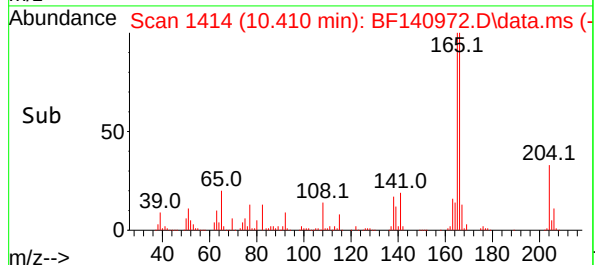
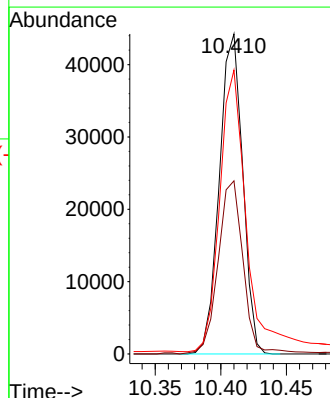
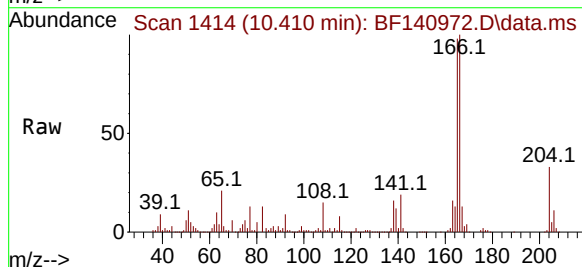
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

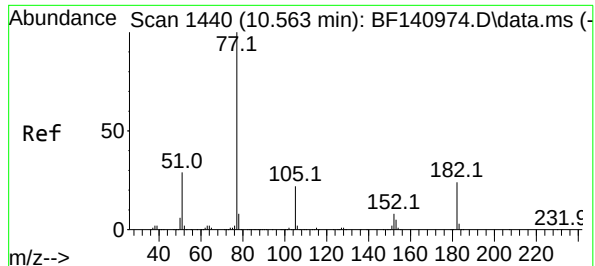
Tgt Ion:204 Resp: 181693
Ion Ratio Lower Upper
204 100
206 32.7 25.8 38.6
141 61.0 51.2 76.8



#62
4-Nitroaniline
Concen: 9.821 ng
RT: 10.410 min Scan# 1414
Delta R.T. -0.012 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:138 Resp: 54741
Ion Ratio Lower Upper
138 100
92 54.1 34.8 74.8
108 88.7 55.9 95.9

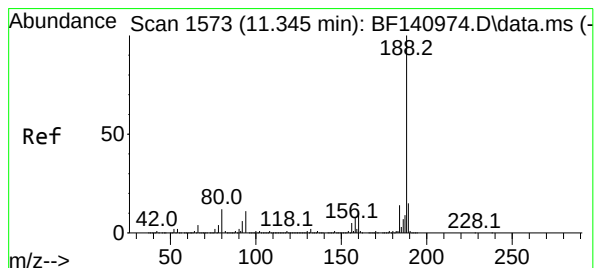
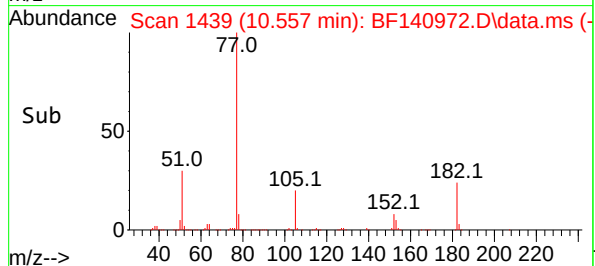
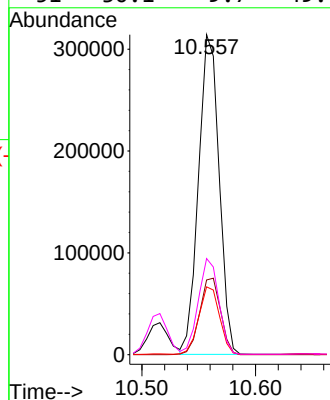
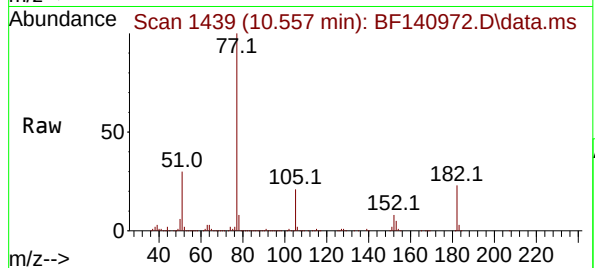




#63
Azobenzene
Concen: 10.749 ng
RT: 10.557 min Scan# 1440
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

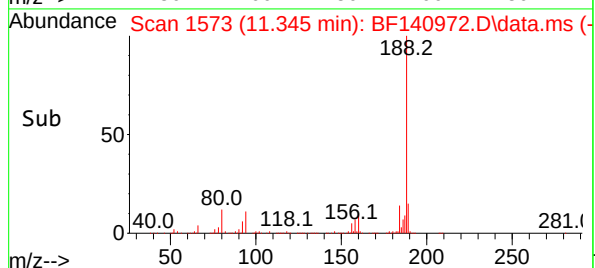
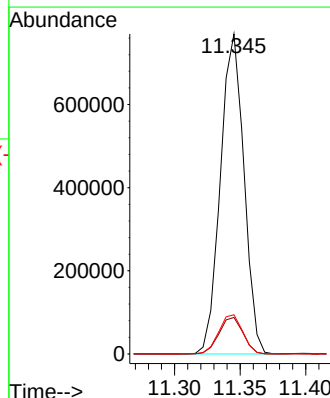
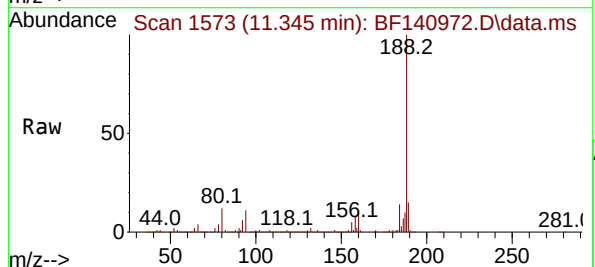
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

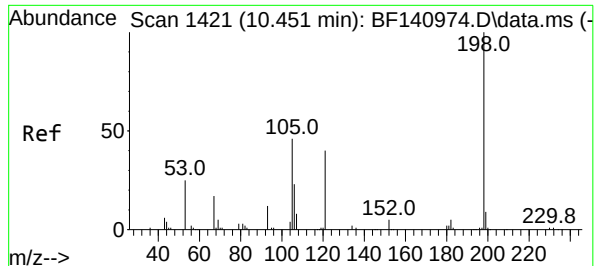
Tgt Ion: 77 Resp: 395397
Ion Ratio Lower Upper
77 100
182 23.4 4.1 44.1
105 21.2 1.8 41.8
51 30.1 9.7 49.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1573
Delta R.T. 0.000 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:188 Resp: 960019
Ion Ratio Lower Upper
188 100
94 11.4 9.0 13.6
80 12.2 9.8 14.6

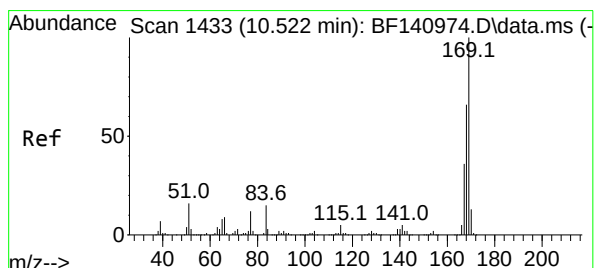
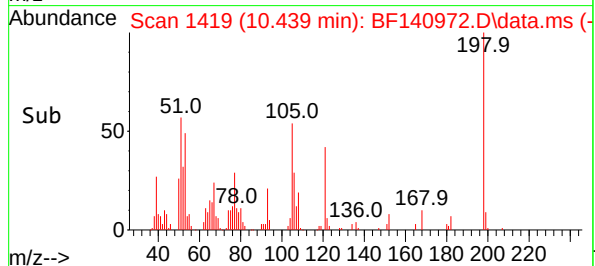
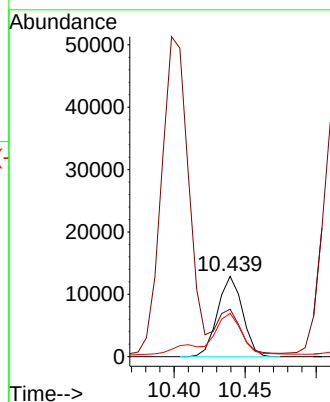
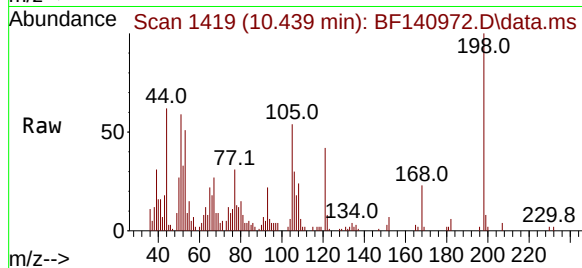




#65
4,6-Dinitro-2-methylphenol
Concen: 12.644 ng
RT: 10.439 min Scan# 1419
Delta R.T. -0.012 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

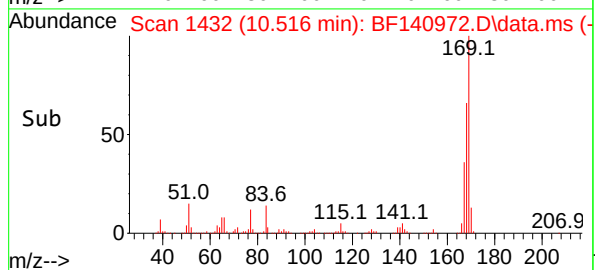
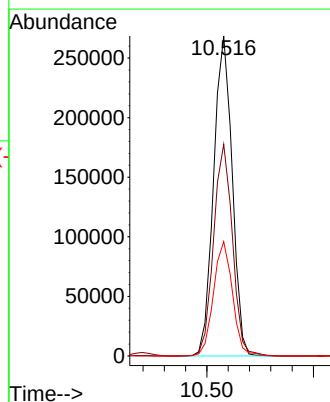
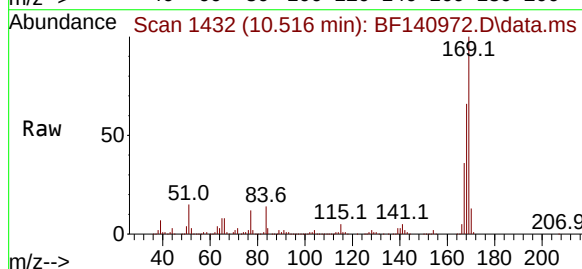
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

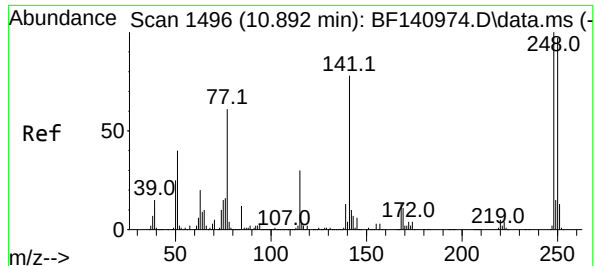
Tgt Ion:198 Resp: 15689
Ion Ratio Lower Upper
198 100
51 59.0 32.3 72.3
105 54.0 28.4 68.4



#66
n-Nitrosodiphenylamine
Concen: 10.725 ng
RT: 10.516 min Scan# 1432
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:169 Resp: 324220
Ion Ratio Lower Upper
169 100
168 66.2 52.6 79.0
167 35.8 29.0 43.4

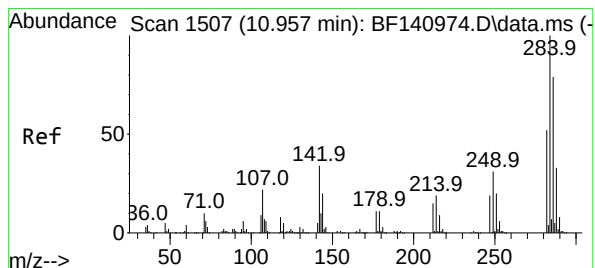
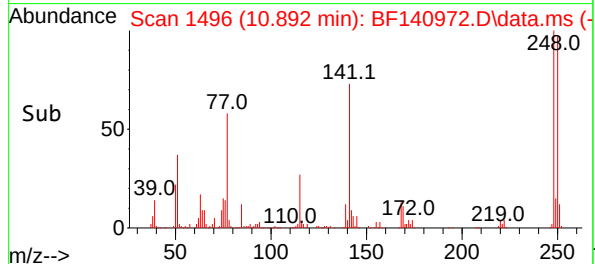
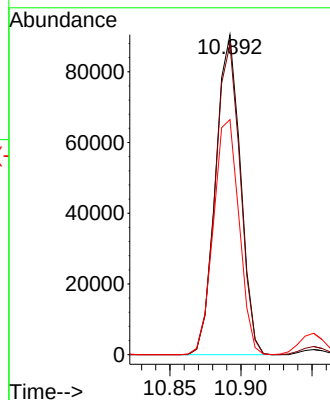
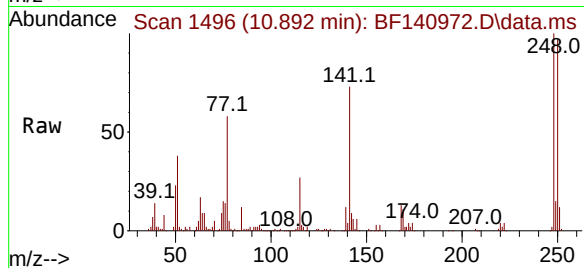




#67
4-Bromophenyl-phenylether
Concen: 10.604 ng
RT: 10.892 min Scan# 1496
Delta R.T. 0.000 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

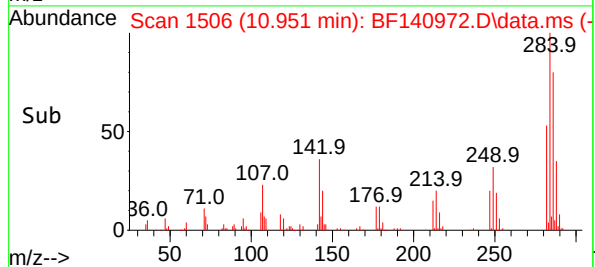
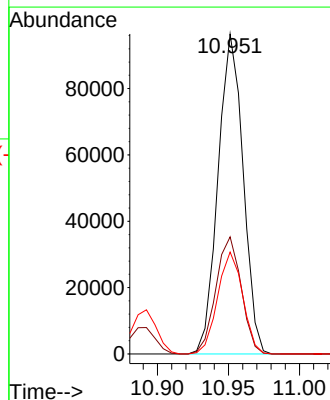
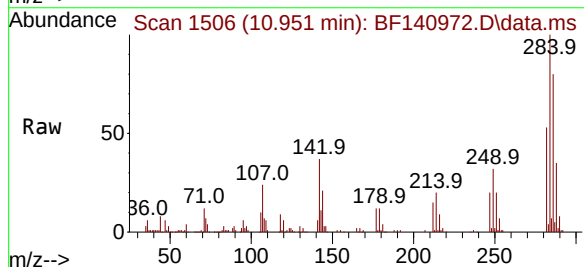
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

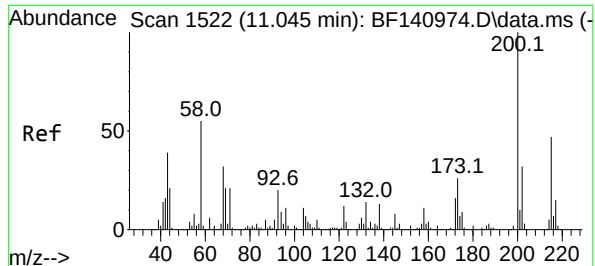
Tgt Ion:248 Resp: 110052
Ion Ratio Lower Upper
248 100
250 97.0 77.7 116.5
141 73.4 62.1 93.1



#68
Hexachlorobenzene
Concen: 10.343 ng
RT: 10.951 min Scan# 1506
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:284 Resp: 118361
Ion Ratio Lower Upper
284 100
142 36.6 27.1 40.7
249 31.8 25.1 37.7





#69

Atrazine

Concen: 11.639 ng

RT: 11.039 min Scan# 1521

Delta R.T. -0.006 min

Lab File: BF140972.D

Acq: 26 Dec 2024 17:15

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

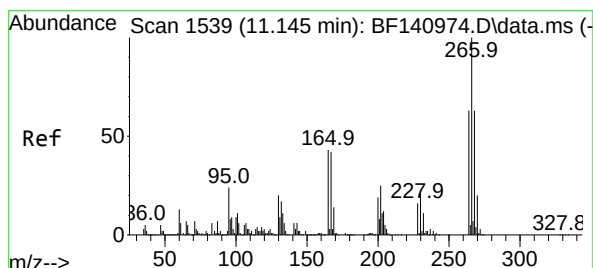
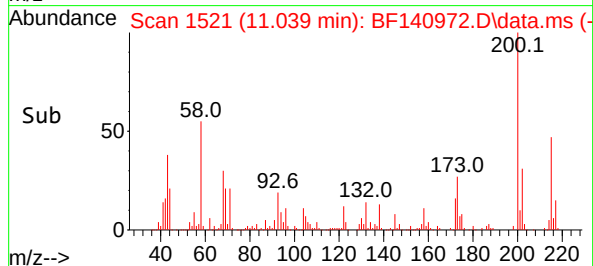
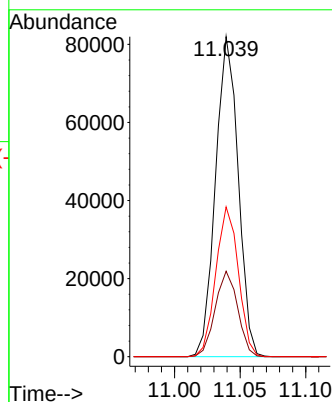
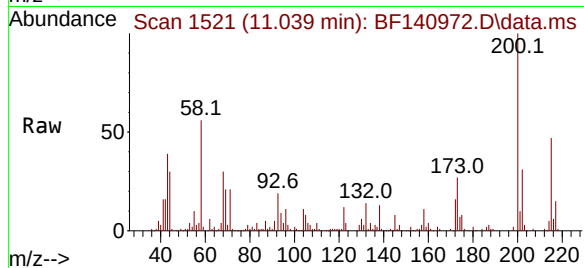
Tgt Ion:200 Resp: 98299

Ion Ratio Lower Upper

200 100

173 26.7 6.4 46.4

215 46.8 27.2 67.2



#70

Pentachlorophenol

Concen: 9.254 ng

RT: 11.139 min Scan# 1538

Delta R.T. -0.006 min

Lab File: BF140972.D

Acq: 26 Dec 2024 17:15

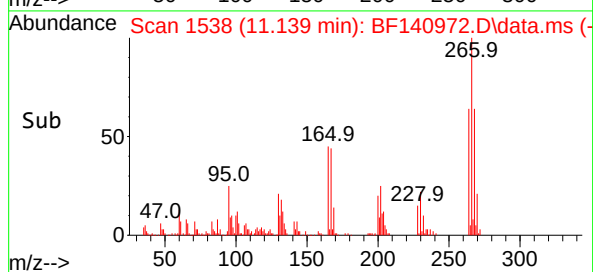
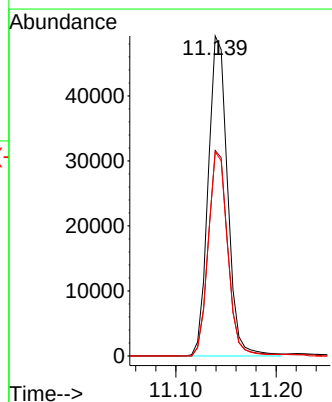
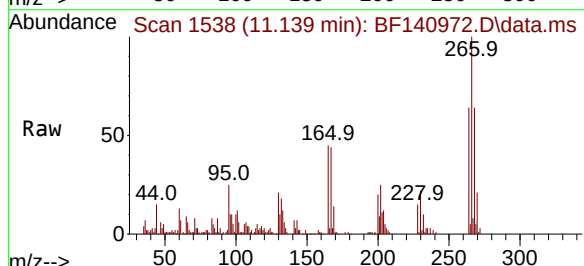
Tgt Ion:266 Resp: 65934

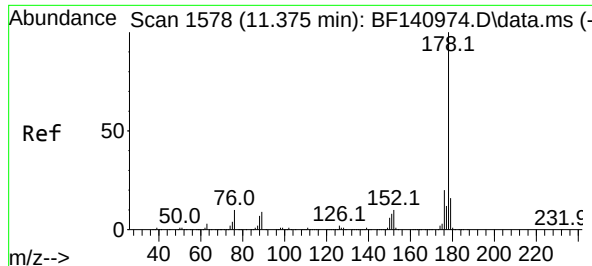
Ion Ratio Lower Upper

266 100

268 64.2 50.5 75.7

264 63.8 50.2 75.4

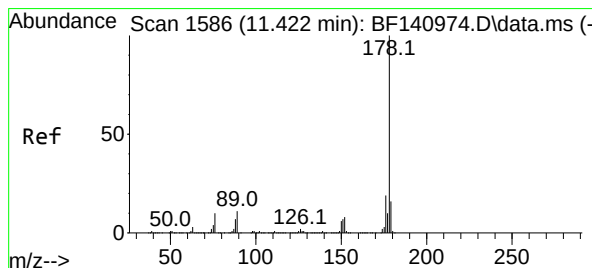
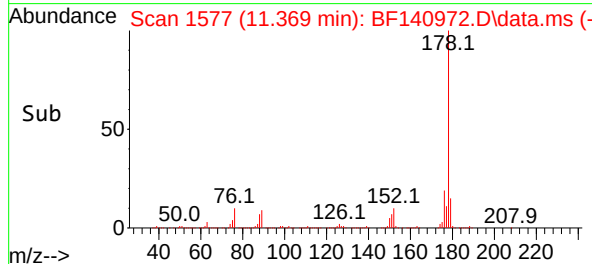
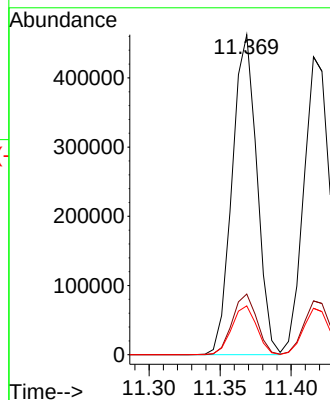
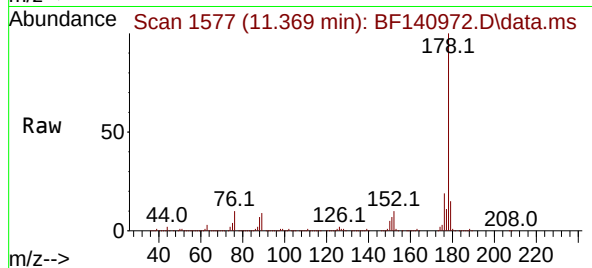




#71
Phenanthrene
Concen: 11.091 ng
RT: 11.369 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

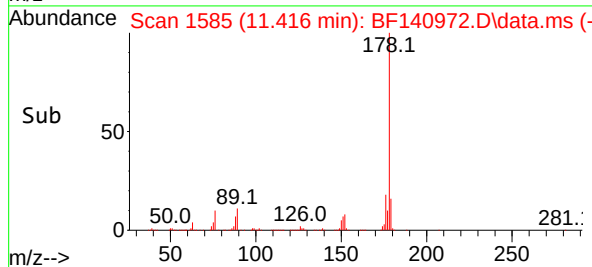
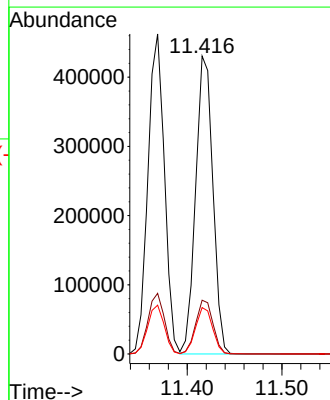
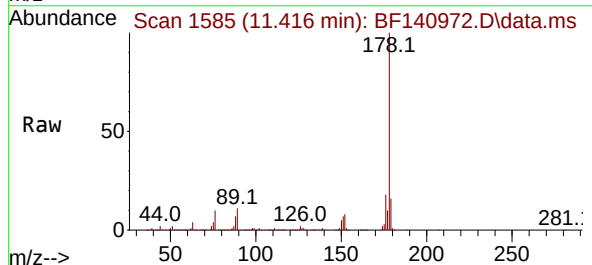
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

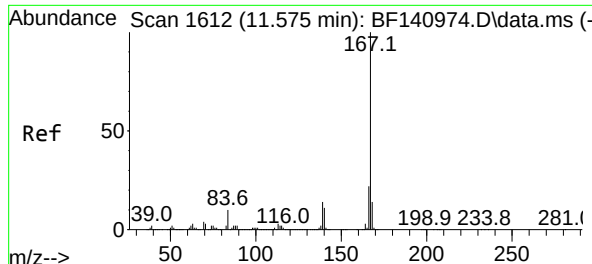
Tgt Ion:178 Resp: 560414
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.6
179 15.2 12.6 19.0



#72
Anthracene
Concen: 11.016 ng
RT: 11.416 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:178 Resp: 545401
Ion Ratio Lower Upper
178 100
176 18.1 15.3 22.9
179 15.6 12.9 19.3

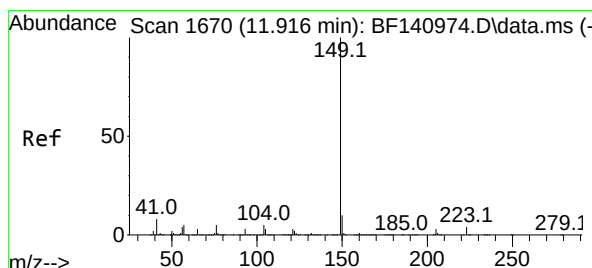
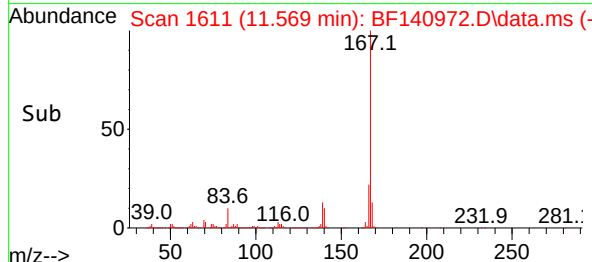
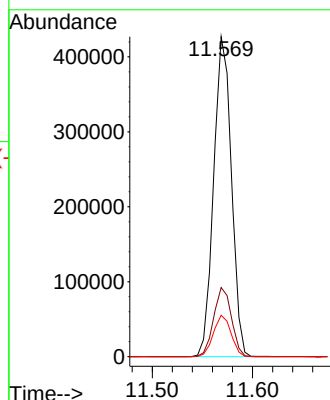
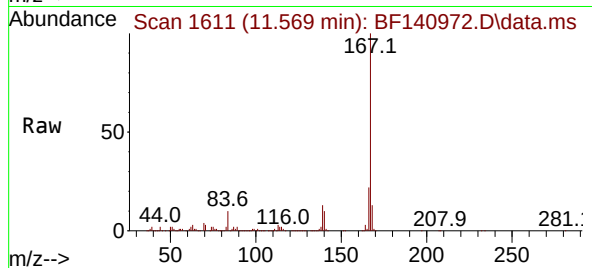




#73
Carbazole
Concen: 11.028 ng
RT: 11.569 min Scan# 1612
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

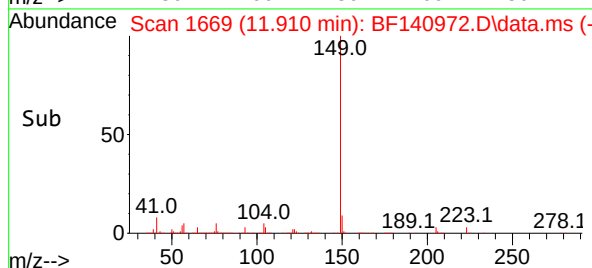
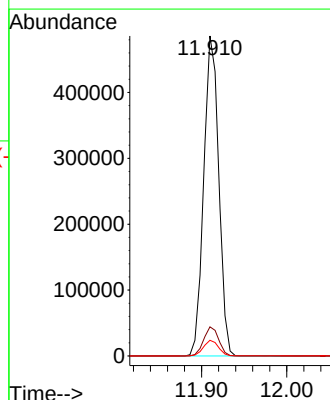
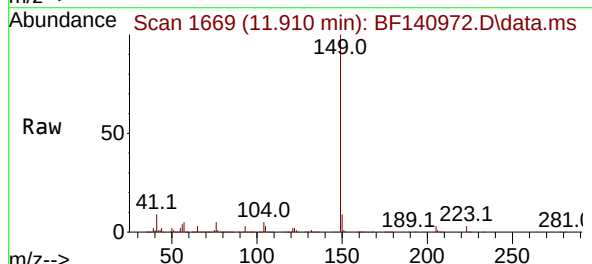
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

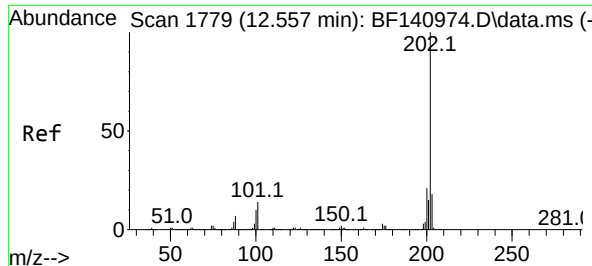
Tgt Ion:167 Resp: 524879
Ion Ratio Lower Upper
167 100
166 21.6 17.5 26.3
139 12.9 11.0 16.4



#74
Di-n-butylphthalate
Concen: 10.981 ng
RT: 11.910 min Scan# 1669
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:149 Resp: 594457
Ion Ratio Lower Upper
149 100
150 9.1 7.7 11.5
104 4.9 4.1 6.1

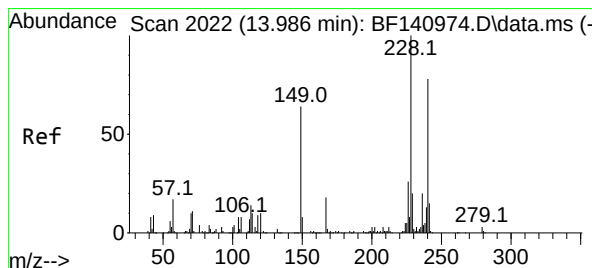
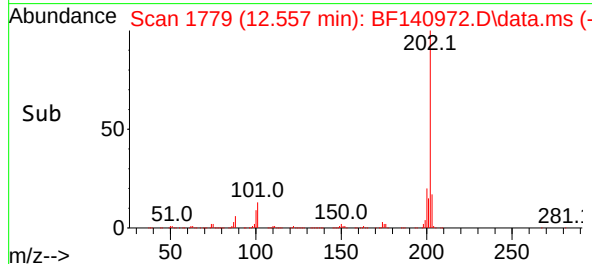
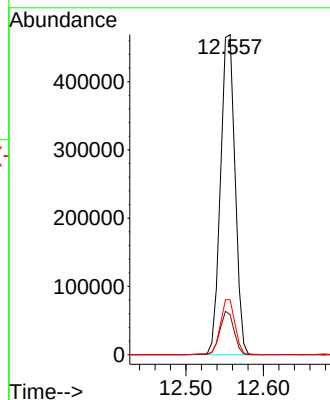
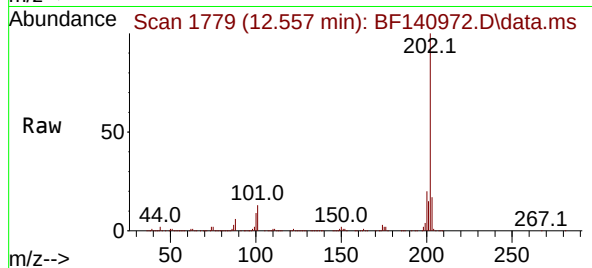




#75
Fluoranthene
Concen: 11.163 ng
RT: 12.557 min Scan# 1779
Delta R.T. 0.000 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

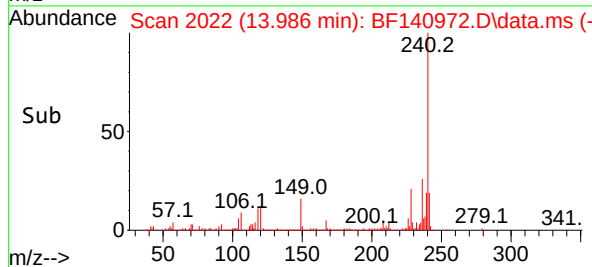
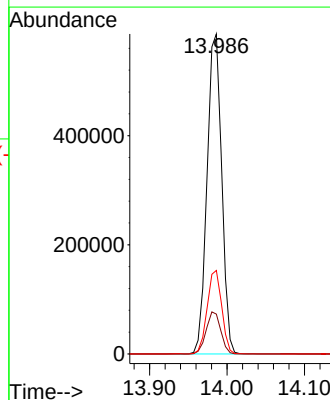
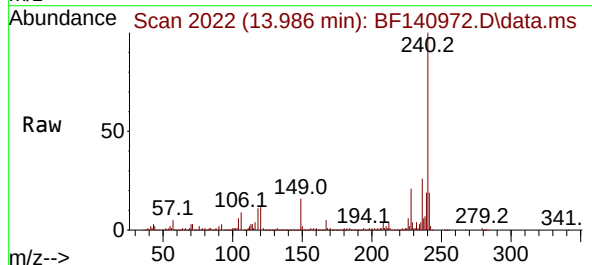
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

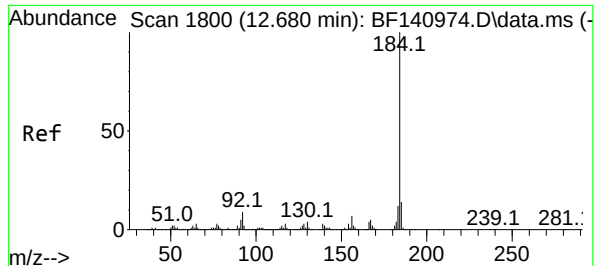
Tgt Ion:202 Resp: 611729
Ion Ratio Lower Upper
202 100
101 12.5 0.0 33.7
203 17.1 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 2022
Delta R.T. 0.000 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:240 Resp: 769052
Ion Ratio Lower Upper
240 100
120 12.4 10.7 16.1
236 26.1 20.6 31.0

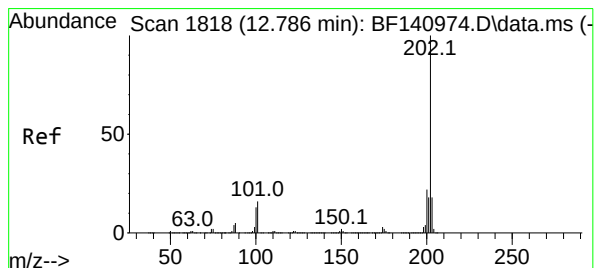
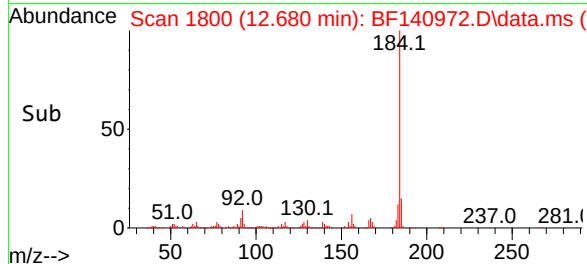
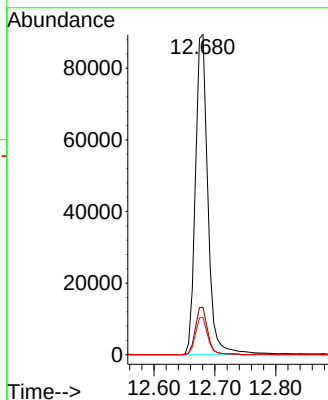
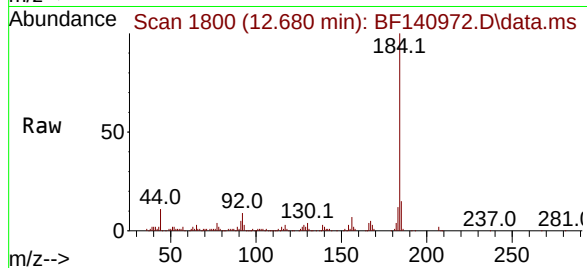




#77
Benzidine
Concen: 7.873 ng
RT: 12.680 min Scan# 1800
Delta R.T. 0.000 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

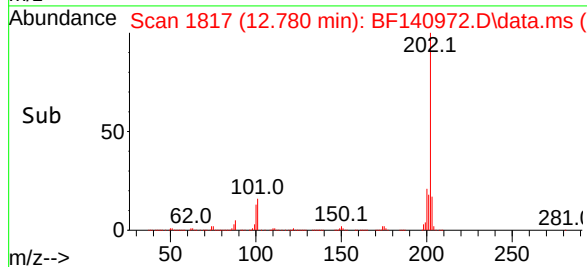
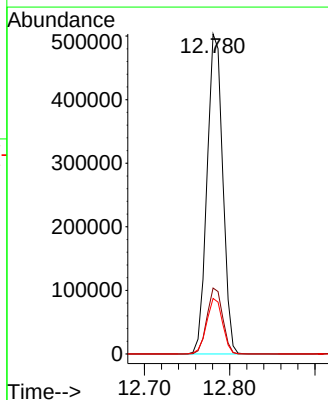
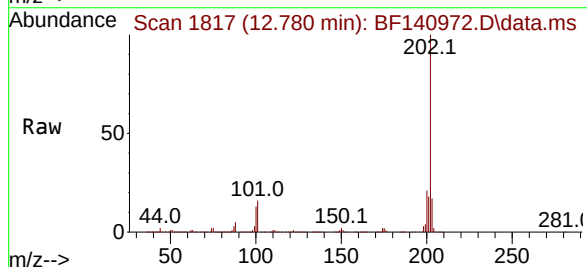
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

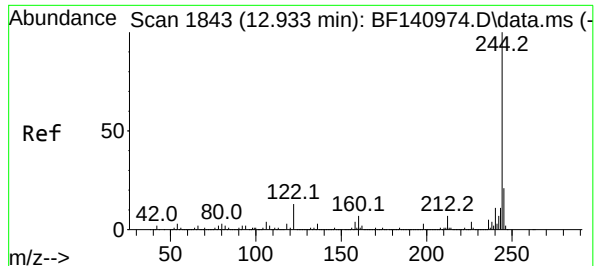
Tgt Ion:184 Resp: 127969
Ion Ratio Lower Upper
184 100
185 14.8 11.4 17.2
183 11.6 9.4 14.0



#78
Pyrene
Concen: 9.549 ng
RT: 12.780 min Scan# 1817
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:202 Resp: 642229
Ion Ratio Lower Upper
202 100
200 20.6 17.3 25.9
203 17.3 14.6 21.8





#79

Terphenyl-d14

Concen: 19.616 ng

RT: 12.927 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140972.D

Acq: 26 Dec 2024 17:15

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

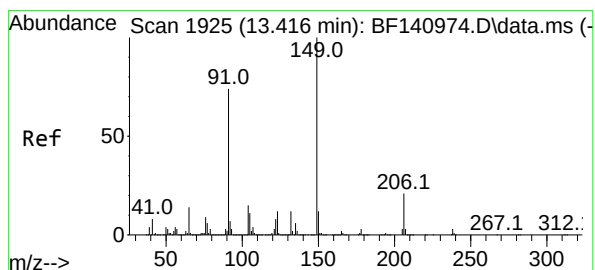
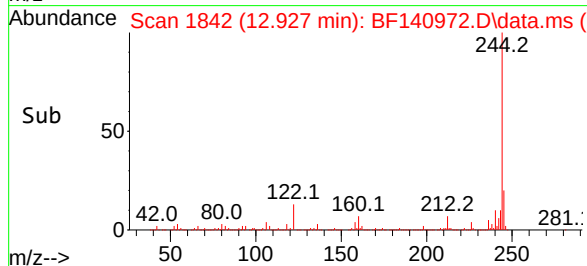
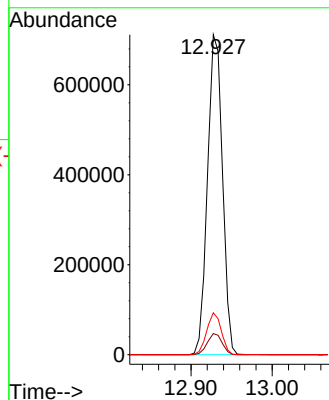
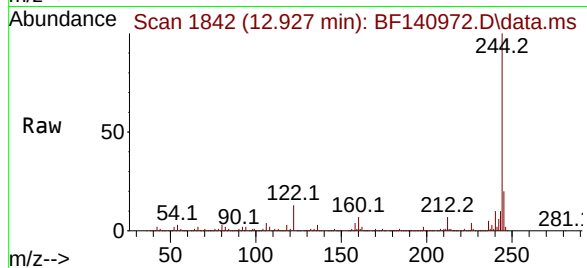
Tgt Ion:244 Resp: 908253

Ion Ratio Lower Upper

244 100

212 6.6 5.7 8.5

122 13.1 10.2 15.2



#80

Butylbenzylphthalate

Concen: 8.939 ng

RT: 13.410 min Scan# 1924

Delta R.T. -0.006 min

Lab File: BF140972.D

Acq: 26 Dec 2024 17:15

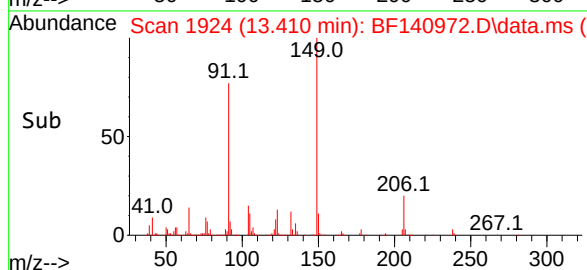
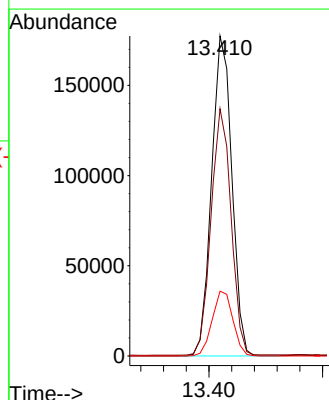
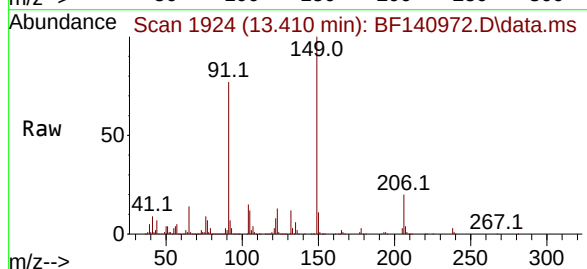
Tgt Ion:149 Resp: 219532

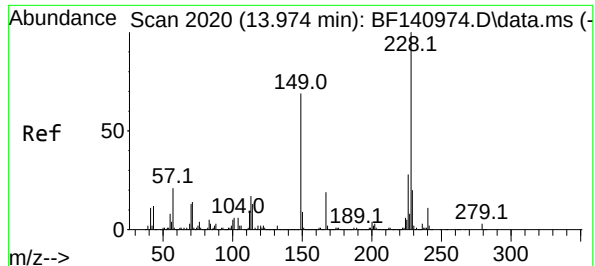
Ion Ratio Lower Upper

149 100

91 77.2 59.5 89.3

206 20.2 17.1 25.7





#81

Benzo(a)anthracene

Concen: 10.419 ng

RT: 13.974 min Scan# 2020

Delta R.T. 0.000 min

Lab File: BF140972.D

Acq: 26 Dec 2024 17:15

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

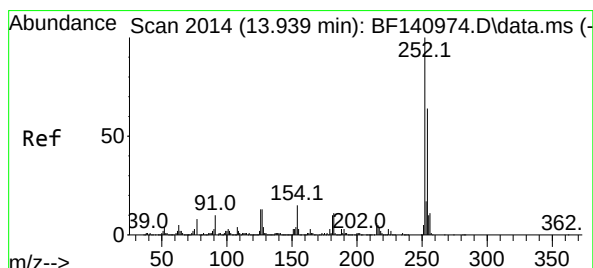
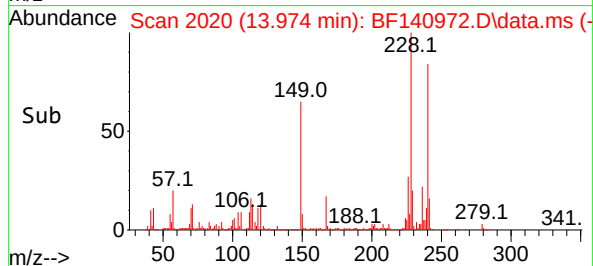
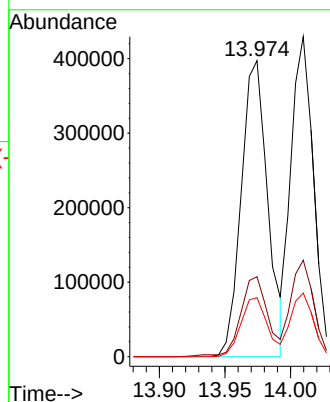
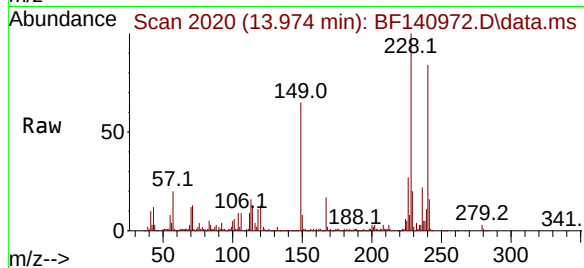
Tgt Ion:228 Resp: 558462

Ion Ratio Lower Upper

228 100

226 27.0 22.1 33.1

229 19.9 16.2 24.2



#82

3,3'-Dichlorobenzidine

Concen: 10.857 ng

RT: 13.939 min Scan# 2014

Delta R.T. 0.000 min

Lab File: BF140972.D

Acq: 26 Dec 2024 17:15

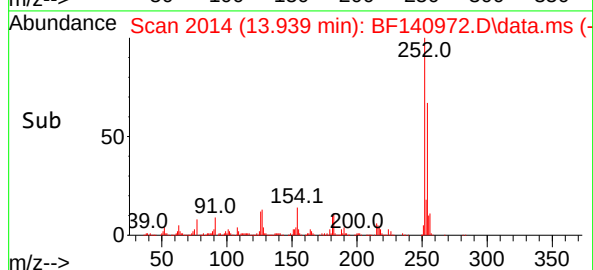
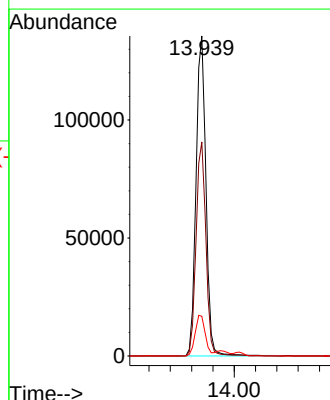
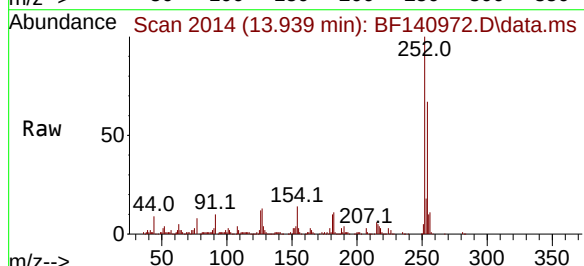
Tgt Ion:252 Resp: 174840

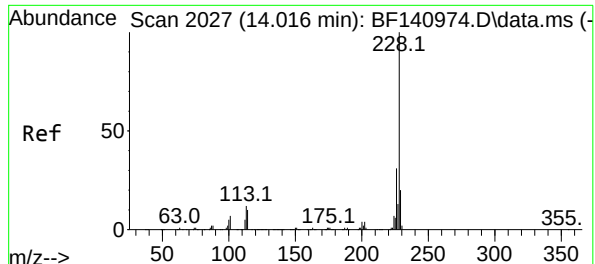
Ion Ratio Lower Upper

252 100

254 66.9 51.5 77.3

126 12.4 10.3 15.5

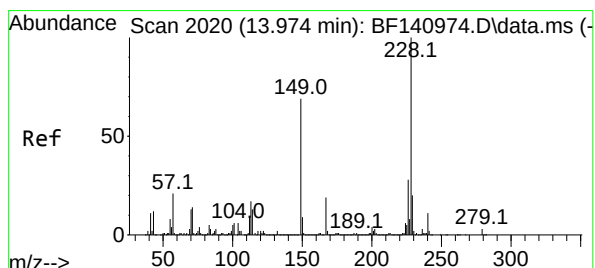
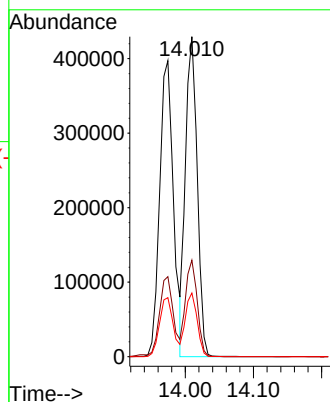
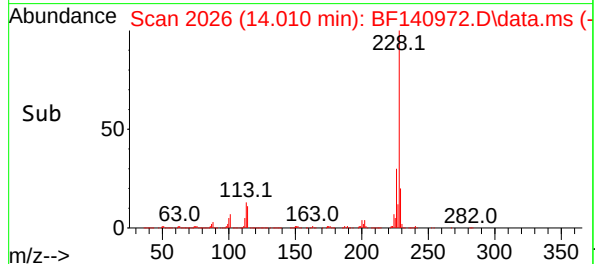
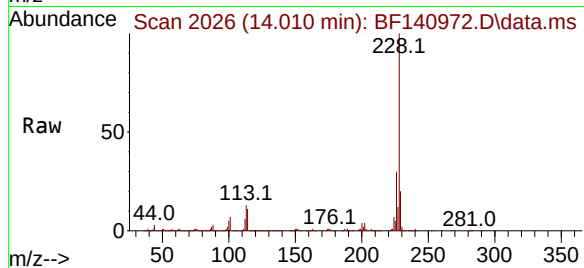




#83
Chrysene
Concen: 10.587 ng
RT: 14.010 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

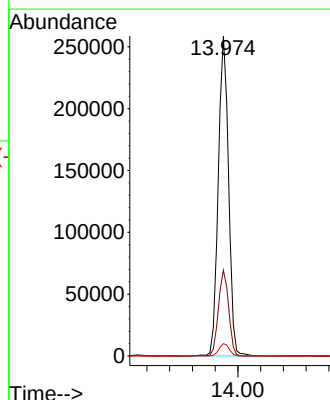
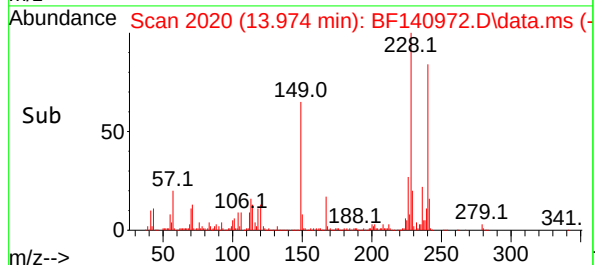
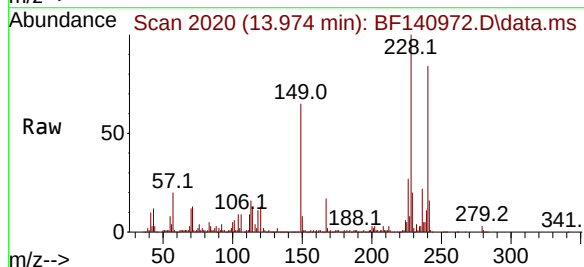
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

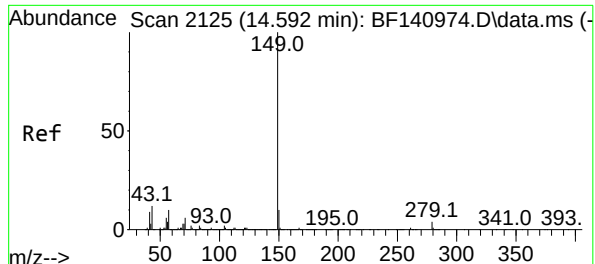
Tgt Ion:228 Resp: 511519
Ion Ratio Lower Upper
228 100
226 30.2 24.5 36.7
229 19.9 16.2 24.4



#84
Bis(2-ethylhexyl)phthalate
Concen: 10.159 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:149 Resp: 323647
Ion Ratio Lower Upper
149 100
167 26.8 21.6 32.4
279 3.9 3.2 4.8

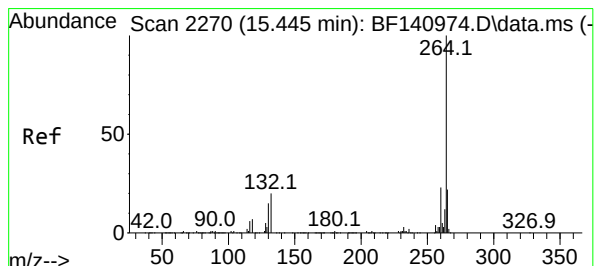
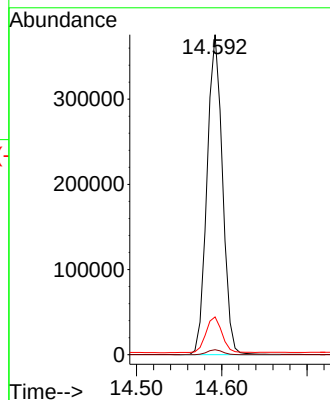
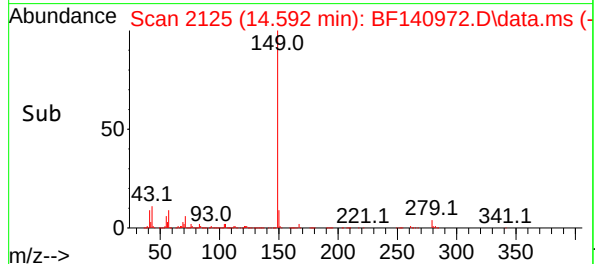
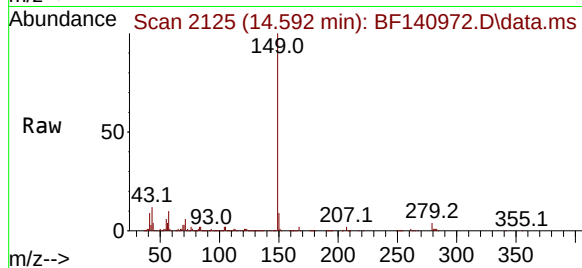




#85
Di-n-octyl phthalate
Concen: 10.269 ng
RT: 14.592 min Scan# 2125
Delta R.T. 0.000 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

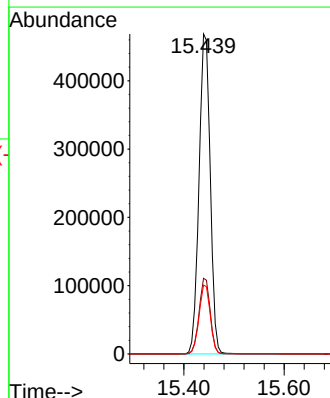
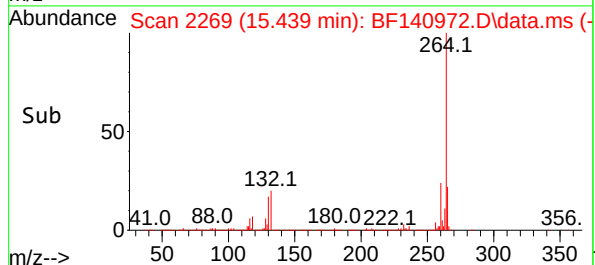
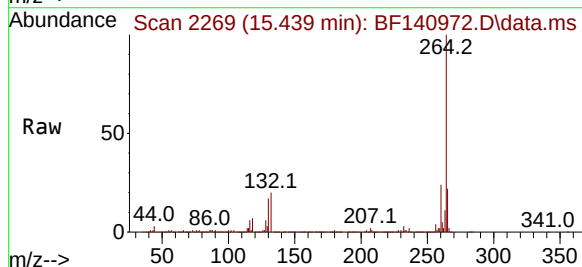
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

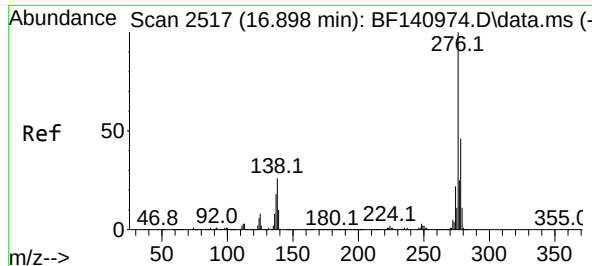
Tgt Ion:149 Resp: 473516
Ion Ratio Lower Upper
149 100
167 1.5 1.2 1.8
43 11.8 9.3 13.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:264 Resp: 725753
Ion Ratio Lower Upper
264 100
260 23.6 18.7 28.1
265 21.5 17.4 26.2

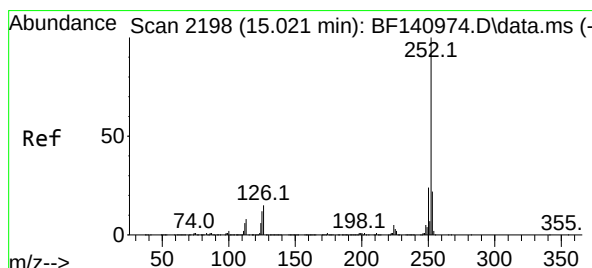
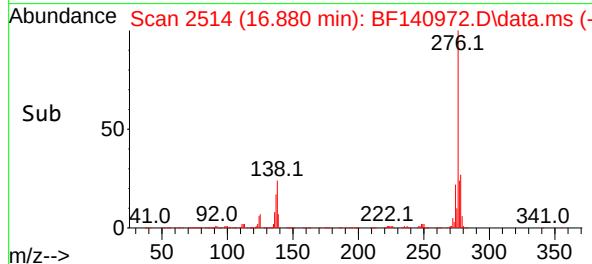
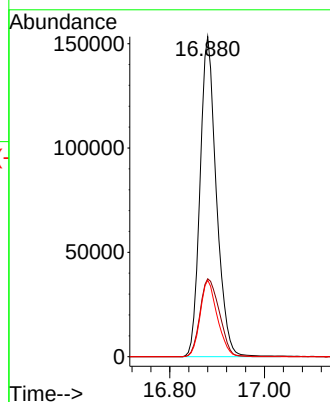
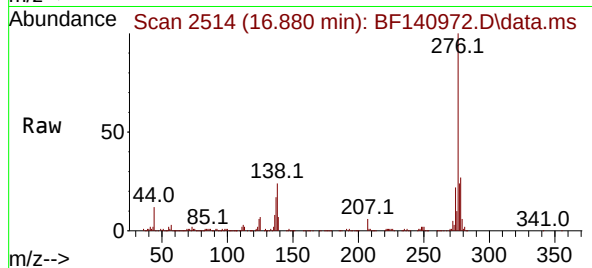




#87
Indeno(1,2,3-cd)pyrene
Concen: 8.004 ng
RT: 16.880 min Scan# 2197
Delta R.T. -0.018 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

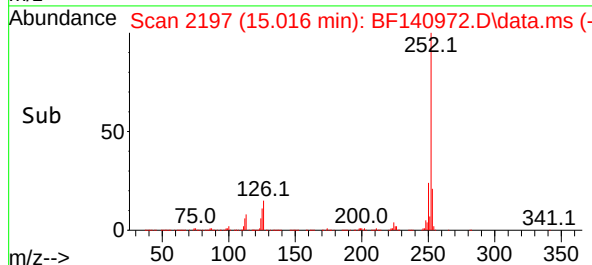
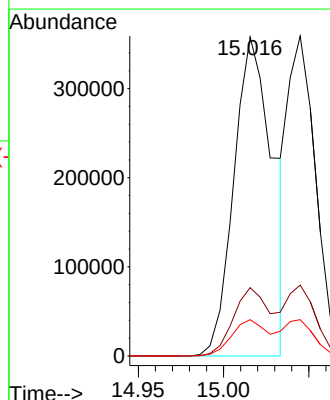
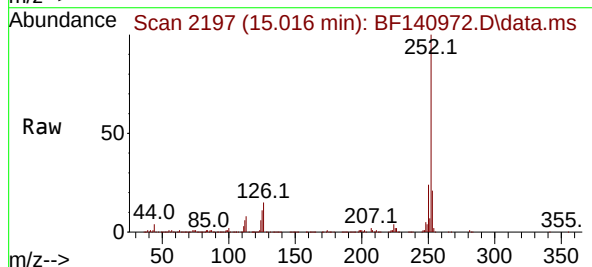
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

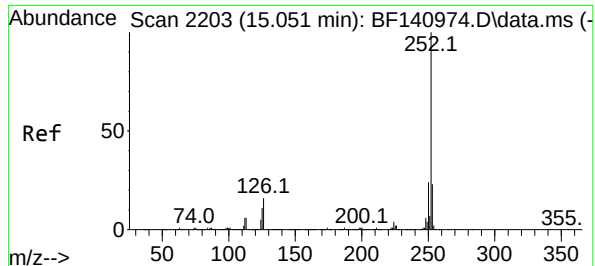
Tgt Ion:276 Resp: 365994
Ion Ratio Lower Upper
276 100
138 29.0 23.1 34.7
277 25.1 20.4 30.6



#88
Benzo(b)fluoranthene
Concen: 11.213 ng
RT: 15.016 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:252 Resp: 567548
Ion Ratio Lower Upper
252 100
253 21.4 17.7 26.5
125 11.4 9.3 13.9





#89

Benzo(k)fluoranthene

Concen: 10.256 ng

RT: 15.045 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF140972.D

Acq: 26 Dec 2024 17:15

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

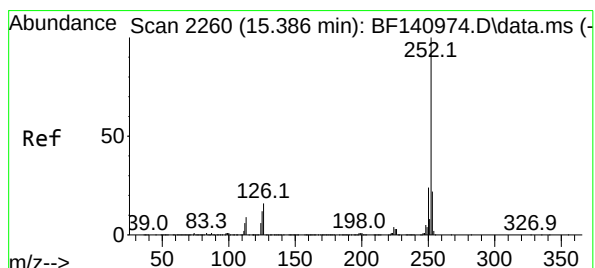
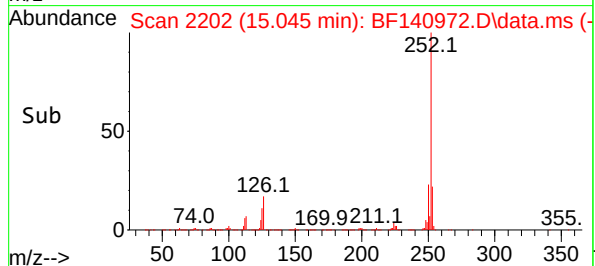
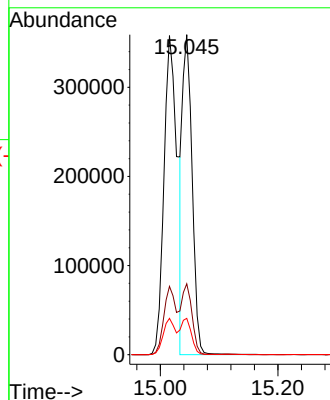
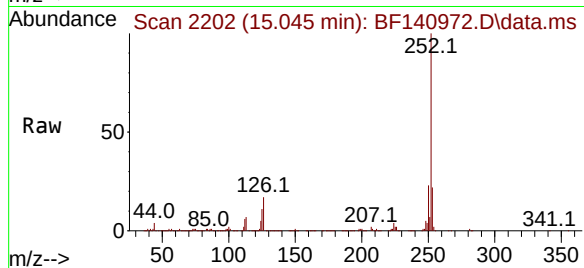
Tgt Ion:252 Resp: 406884

Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.8

125 11.4 9.4 14.0



#90

Benzo(a)pyrene

Concen: 10.230 ng

RT: 15.374 min Scan# 2258

Delta R.T. -0.012 min

Lab File: BF140972.D

Acq: 26 Dec 2024 17:15

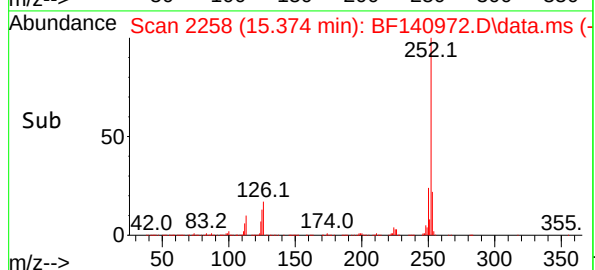
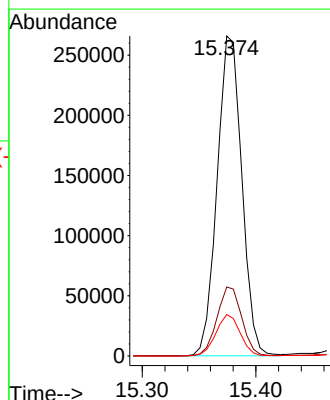
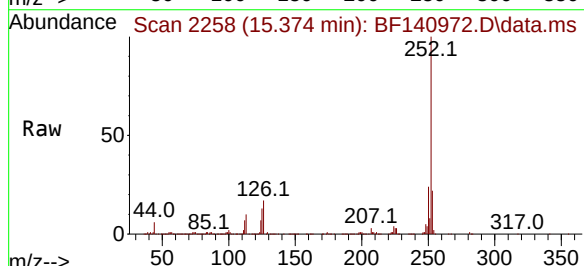
Tgt Ion:252 Resp: 401924

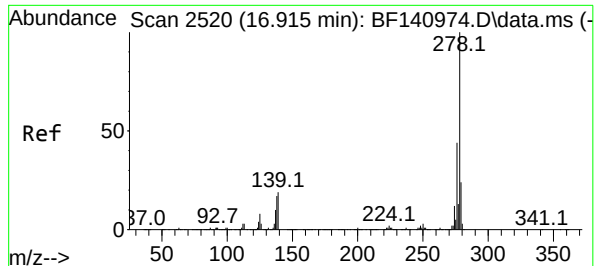
Ion Ratio Lower Upper

252 100

253 21.6 17.2 25.8

125 13.0 9.8 14.8





#91

Dibenzo(a,h)anthracene

Concen: 8.115 ng

RT: 16.904 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF140972.D

Acq: 26 Dec 2024 17:15

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

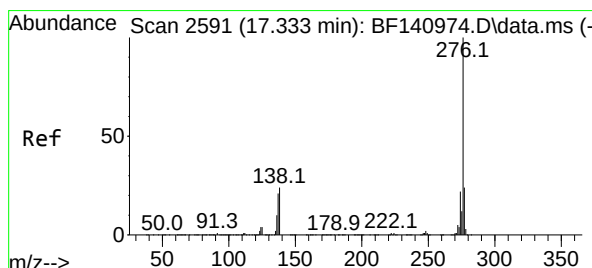
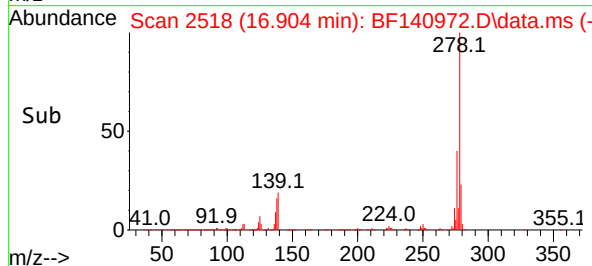
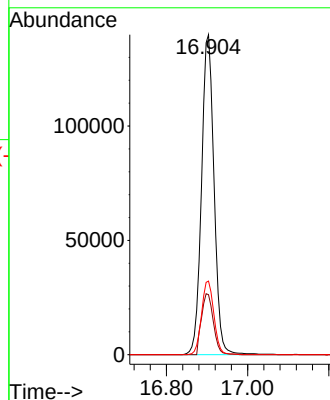
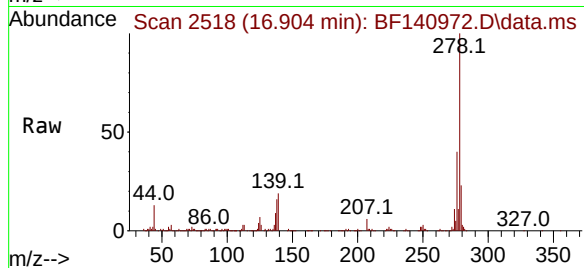
Tgt Ion:278 Resp: 300782

Ion Ratio Lower Upper

278 100

139 18.8 14.9 22.3

279 23.0 19.0 28.6



#92

Benzo(g,h,i)perylene

Concen: 7.654 ng

RT: 17.315 min Scan# 2588

Delta R.T. -0.018 min

Lab File: BF140972.D

Acq: 26 Dec 2024 17:15

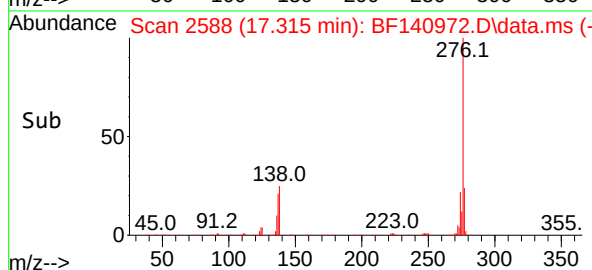
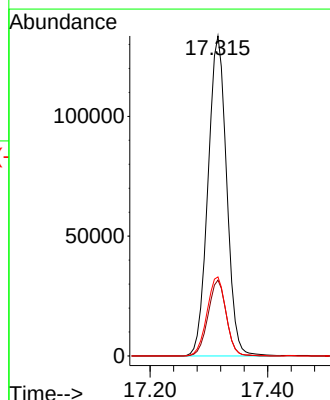
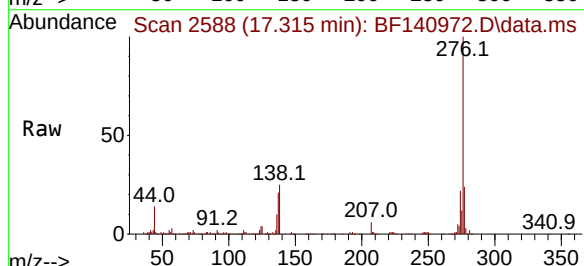
Tgt Ion:276 Resp: 294254

Ion Ratio Lower Upper

276 100

277 23.7 19.0 28.4

138 24.7 19.4 29.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
 Data File : BF140973.D
 Acq On : 26 Dec 2024 17:41
 Operator : RC/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC020

Quant Time: Dec 27 00:19:13 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 27 00:11:18 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	269565	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	1065985	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	573072	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	1007534	20.000	ng	0.00
76) Chrysene-d12	13.986	240	755829	20.000	ng	0.00
86) Perylene-d12	15.445	264	616760	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	767394	42.912	ng	0.00
7) Phenol-d6	6.440	99	976492	42.388	ng	-0.01
23) Nitrobenzene-d5	7.387	82	685087	41.117	ng	0.00
42) 2,4,6-Tribromophenol	10.645	330	232752	41.797	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	1579020	43.899	ng	0.00
79) Terphenyl-d14	12.933	244	1795750	39.463	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.563	88	168084	20.761	ng	99
3) Pyridine	3.304	79	426244	21.543	ng	99
4) n-Nitrosodimethylamine	3.240	42	209632	20.911	ng	96
6) Aniline	6.492	93	466960	22.727	ng	99
8) 2-Chlorophenol	6.610	128	399668	21.198	ng	98
9) Benzaldehyde	6.375	77	293566	22.432	ng	100
10) Phenol	6.457	94	502959	21.114	ng	98
11) bis(2-Chloroethyl)ether	6.563	93	390561	20.325	ng	98
12) 1,3-Dichlorobenzene	6.769	146	444586	21.366	ng	99
13) 1,4-Dichlorobenzene	6.845	146	447949	21.355	ng	98
14) 1,2-Dichlorobenzene	6.998	146	421063	21.530	ng	99
15) Benzyl Alcohol	6.963	79	349962	21.140	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.104	45	623448	21.433	ng	98
17) 2-Methylphenol	7.069	107	330603	21.106	ng	100
18) Hexachloroethane	7.340	117	157325	21.113	ng	96
19) n-Nitroso-di-n-propyla...	7.234	70	290977	20.617	ng	98
20) 3+4-Methylphenols	7.222	107	430865	21.737	ng	97
22) Acetophenone	7.234	105	555544	21.244	ng	99
24) Nitrobenzene	7.404	77	388514	20.868	ng	100
25) Isophorone	7.645	82	761280	20.997	ng	99
26) 2-Nitrophenol	7.722	139	113601	18.546	ng	98
27) 2,4-Dimethylphenol	7.757	122	276735	20.884	ng	98
28) bis(2-Chloroethoxy)met...	7.857	93	492370	21.434	ng	98
29) 2,4-Dichlorophenol	7.957	162	314184	20.906	ng	99
30) 1,2,4-Trichlorobenzene	8.051	180	359008	21.106	ng	100
31) Naphthalene	8.134	128	1217616	21.677	ng	99
32) Benzoic acid	7.834	122	161566	20.134	ng	98
33) 4-Chloroaniline	8.175	127	430141	21.167	ng	100
34) Hexachlorobutadiene	8.251	225	209359	20.878	ng	99
35) Caprolactam	8.522	113	106661	20.875	ng	99
36) 4-Chloro-3-methylphenol	8.645	107	348318	20.870	ng	100
37) 2-Methylnaphthalene	8.816	142	779831	21.701	ng	99
38) 1-Methylnaphthalene	8.916	142	756896	21.432	ng	100
40) 1,2,4,5-Tetrachloroben...	8.981	216	335609	21.287	ng	100
41) Hexachlorocyclopentadiene	8.975	237	108149	20.700	ng	99
43) 2,4,6-Trichlorophenol	9.092	196	227943	21.723	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
 Data File : BF140973.D
 Acq On : 26 Dec 2024 17:41
 Operator : RC/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC020

Quant Time: Dec 27 00:19:13 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 27 00:11:18 2024
 Response via : Initial Calibration

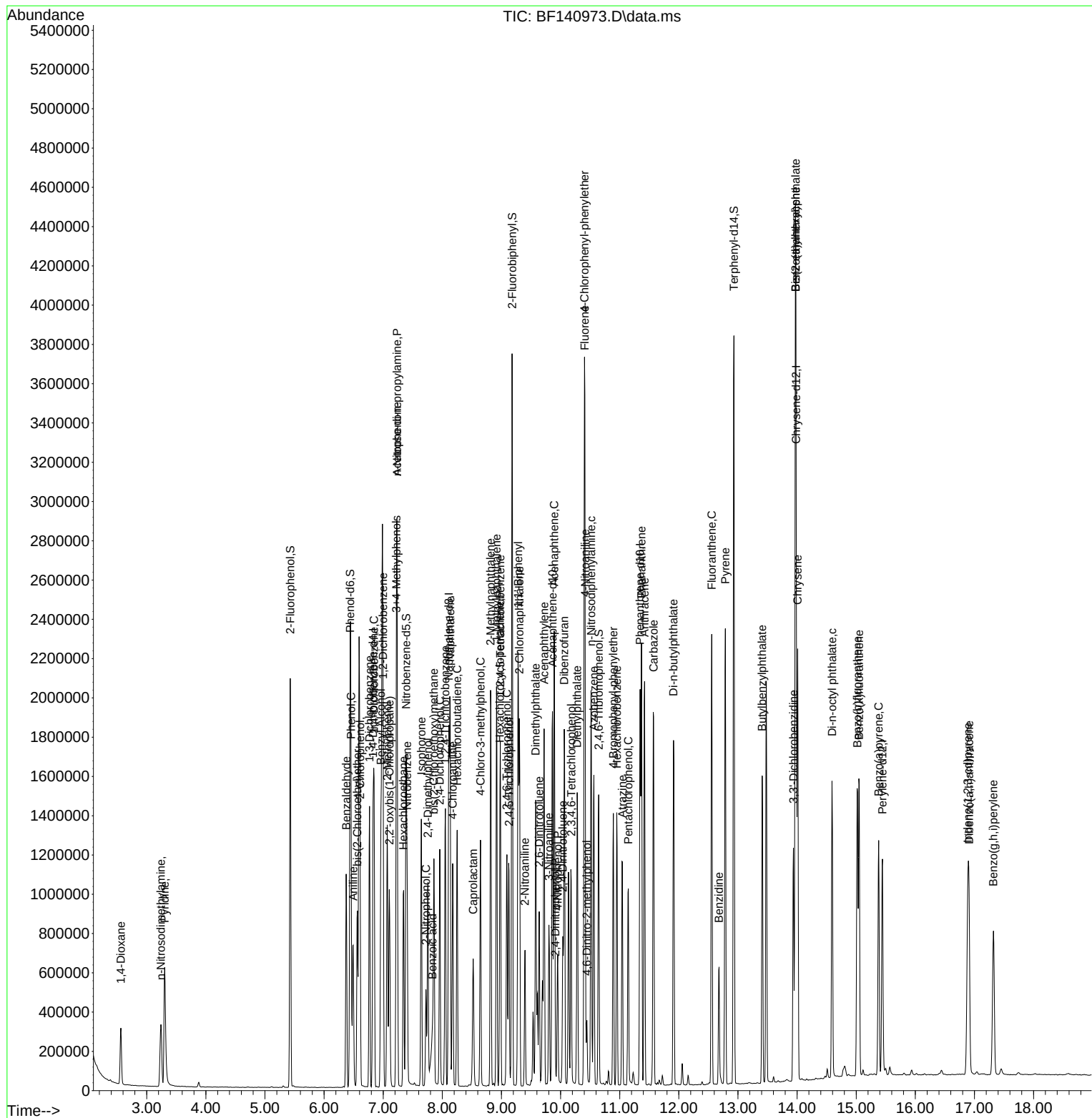
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.128	196	215889	20.108	ng	98
46) 1,1'-Biphenyl	9.281	154	946134	21.562	ng	99
47) 2-Chloronaphthalene	9.304	162	727825	21.387	ng	99
48) 2-Nitroaniline	9.398	65	142035	19.054	ng	96
49) Acenaphthylene	9.722	152	1045099	21.333	ng	99
50) Dimethylphthalate	9.581	163	796157	21.121	ng	100
51) 2,6-Dinitrotoluene	9.639	165	133566	19.707	ng	97
52) Acenaphthene	9.892	154	704299	21.265	ng	99
53) 3-Nitroaniline	9.804	138	149270	19.906	ng	# 98
54) 2,4-Dinitrophenol	9.910	184	30382	19.424	ng	# 47
55) Dibenzofuran	10.063	168	999002	21.463	ng	99
56) 4-Nitrophenol	9.951	139	122269	18.962	ng	99
57) 2,4-Dinitrotoluene	10.039	165	151712	19.116	ng	97
58) Fluorene	10.410	166	774090	21.447	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.180	232	187475	21.084	ng	99
60) Diethylphthalate	10.280	149	784780	21.089	ng	99
61) 4-Chlorophenyl-phenyle...	10.404	204	374361	21.556	ng	97
62) 4-Nitroaniline	10.416	138	147320	19.756	ng	97
63) Azobenzene	10.563	77	829641	21.240	ng	99
65) 4,6-Dinitro-2-methylph...	10.445	198	51061	19.580	ng	99
66) n-Nitrosodiphenylamine	10.516	169	673269	21.221	ng	100
67) 4-Bromophenyl-phenylether	10.892	248	230220	21.137	ng	99
68) Hexachlorobenzene	10.951	284	250540	20.861	ng	96
69) Atrazine	11.045	200	190058	21.443	ng	100
70) Pentachlorophenol	11.145	266	155053	20.736	ng	98
71) Phenanthrene	11.369	178	1137057	21.443	ng	99
72) Anthracene	11.422	178	1121403	21.582	ng	99
73) Carbazole	11.575	167	1083881	21.699	ng	99
74) Di-n-butylphthalate	11.910	149	1245979	21.931	ng	99
75) Fluoranthene	12.557	202	1251854	21.767	ng	98
77) Benzidine	12.680	184	330414	20.685	ng	99
78) Pyrene	12.786	202	1285846	19.452	ng	99
80) Butylbenzylphthalate	13.410	149	483615	20.036	ng	98
81) Benzo(a)anthracene	13.974	228	1086206	20.620	ng	100
82) 3,3'-Dichlorobenzidine	13.939	252	343789	21.722	ng	99
83) Chrysene	14.010	228	1002629	21.114	ng	100
84) Bis(2-ethylhexyl)phtha...	13.974	149	649103	20.731	ng	99
85) Di-n-octyl phthalate	14.592	149	946713	20.891	ng	100
87) Indeno(1,2,3-cd)pyrene	16.886	276	755113	19.433	ng	99
88) Benzo(b)fluoranthene	15.021	252	912288	21.208	ng	99
89) Benzo(k)fluoranthene	15.051	252	802261	23.796	ng	99
90) Benzo(a)pyrene	15.380	252	701080	20.998	ng	99
91) Dibenzo(a,h)anthracene	16.909	278	611811	19.424	ng	100
92) Benzo(g,h,i)perylene	17.321	276	630980	19.314	ng	99

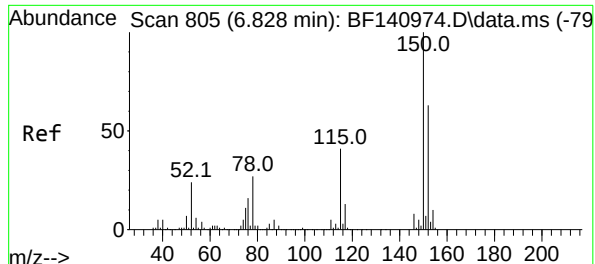
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140973.D
Acq On : 26 Dec 2024 17:41
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Dec 27 00:19:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:11:18 2024
Response via : Initial Calibration

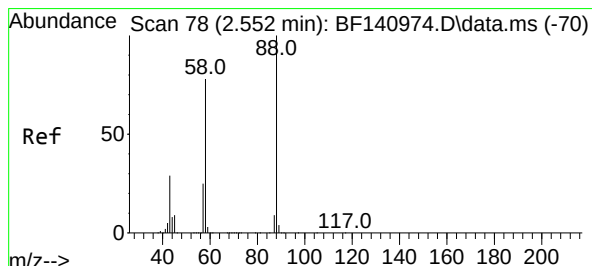
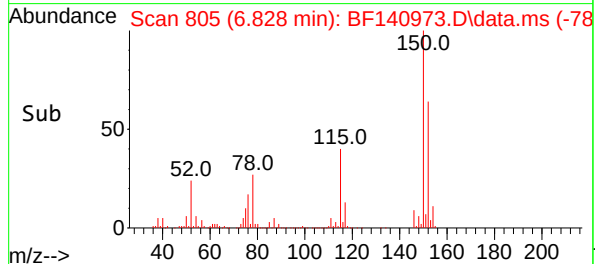
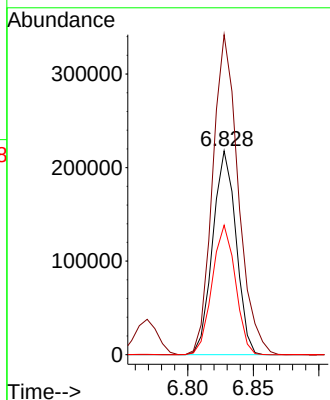
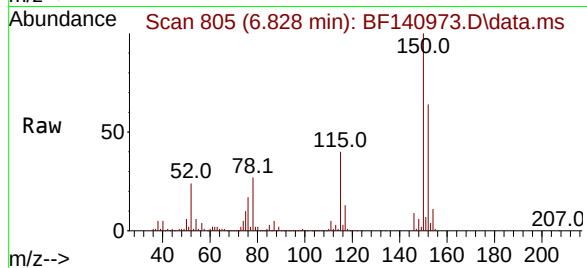




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 80
Delta R.T. -0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

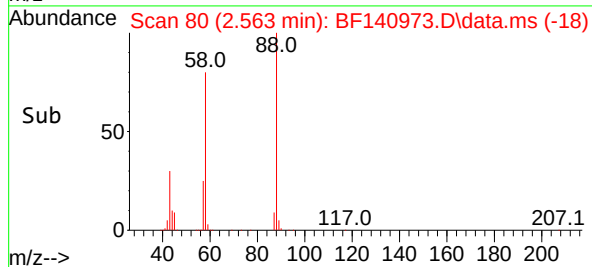
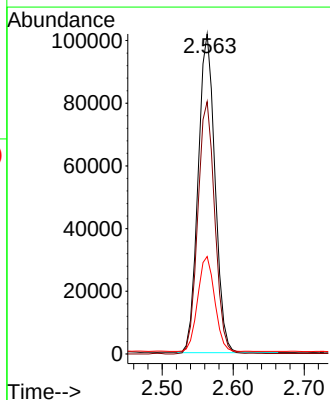
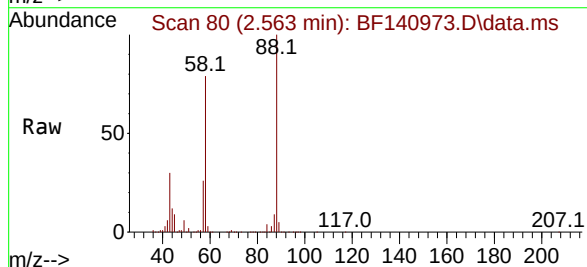
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

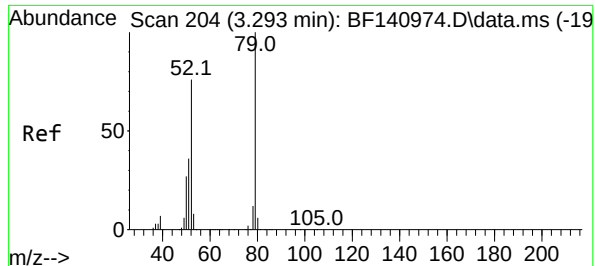
Tgt Ion:152 Resp: 269565
Ion Ratio Lower Upper
152 100
150 157.0 127.0 190.6
115 63.5 51.7 77.5



#2
1,4-Dioxane
Concen: 20.761 ng
RT: 2.563 min Scan# 80
Delta R.T. 0.012 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion: 88 Resp: 168084
Ion Ratio Lower Upper
88 100
58 80.0 63.0 94.4
43 29.9 23.4 35.2

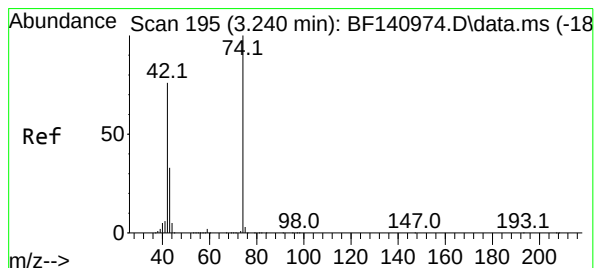
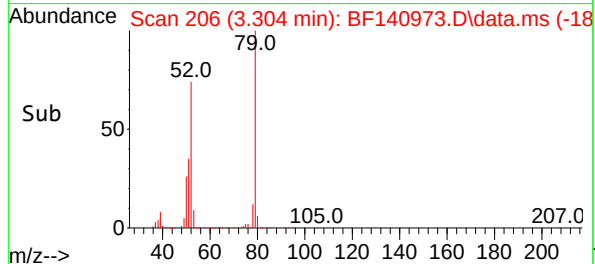
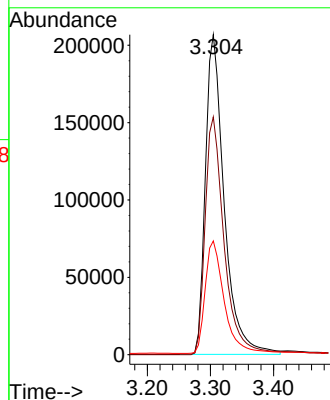
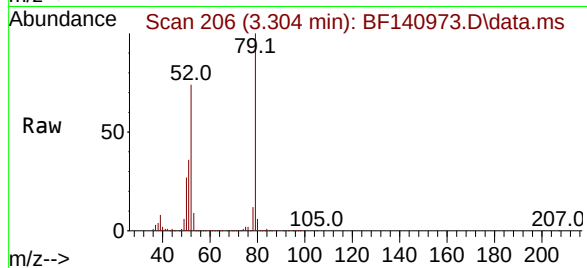




#3
Pyridine
Concen: 21.543 ng
RT: 3.304 min Scan# 204
Delta R.T. 0.012 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

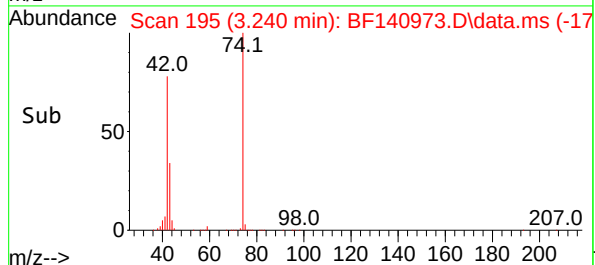
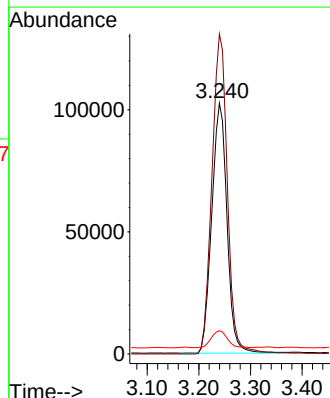
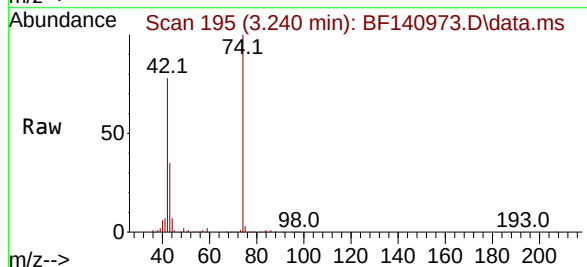
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

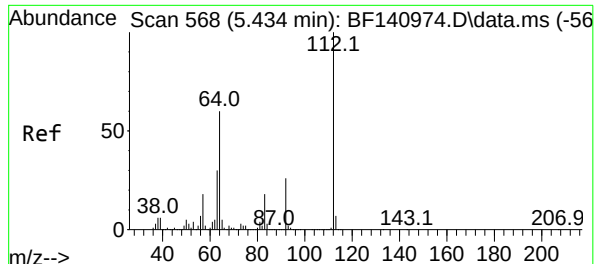
Tgt Ion: 79 Resp: 426244
Ion Ratio Lower Upper
79 100
52 74.3 60.4 90.6
51 35.5 28.8 43.2



#4
n-Nitrosodimethylamine
Concen: 20.911 ng
RT: 3.240 min Scan# 195
Delta R.T. 0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion: 42 Resp: 209632
Ion Ratio Lower Upper
42 100
74 127.6 105.8 158.6
44 9.2 6.6 10.0

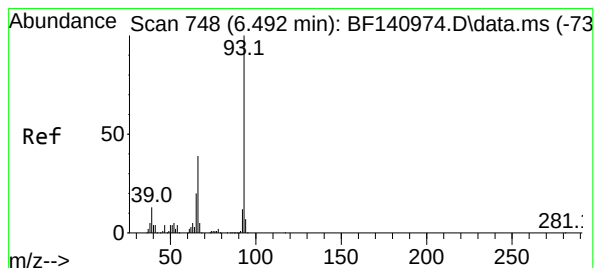
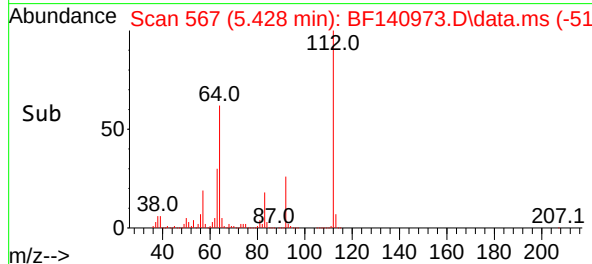
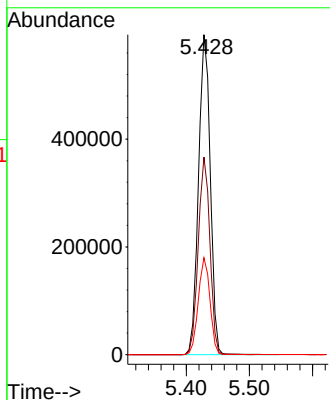
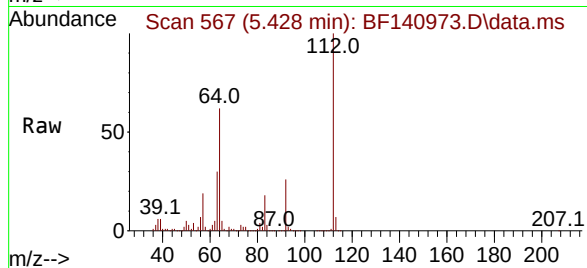




#5
2-Fluorophenol
Concen: 42.912 ng
RT: 5.428 min Scan# 568
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

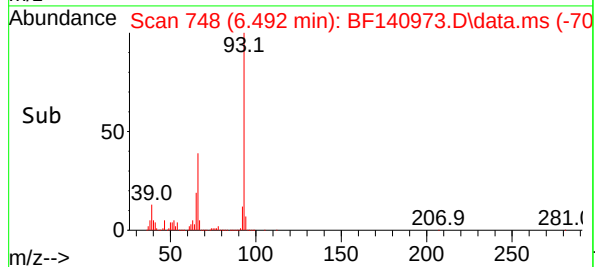
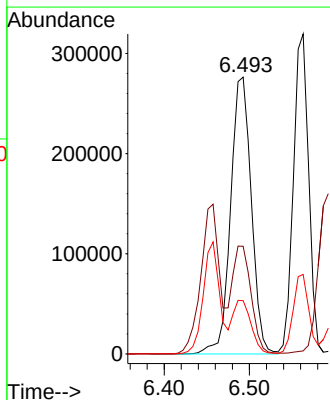
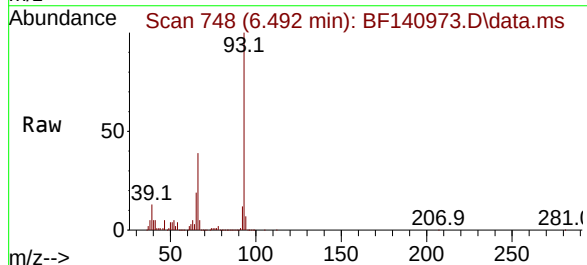
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

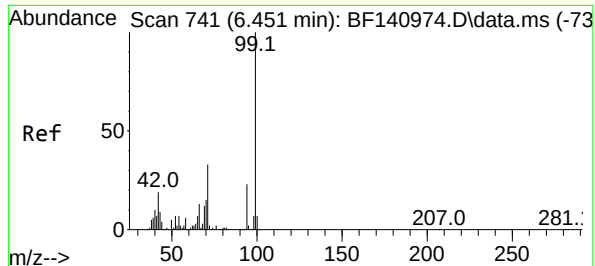
Tgt Ion:112 Resp: 767394
Ion Ratio Lower Upper
112 100
64 61.8 47.7 71.5
63 30.3 24.2 36.2



#6
Aniline
Concen: 22.727 ng
RT: 6.492 min Scan# 748
Delta R.T. -0.018 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion: 93 Resp: 466960
Ion Ratio Lower Upper
93 100
66 38.9 31.8 47.8
65 19.3 15.4 23.0

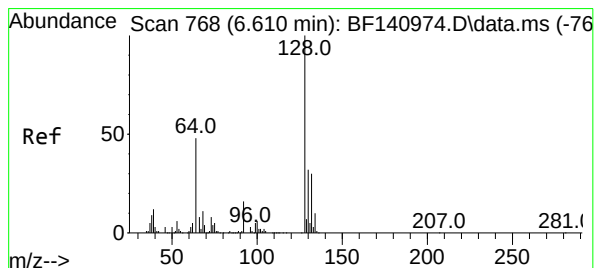
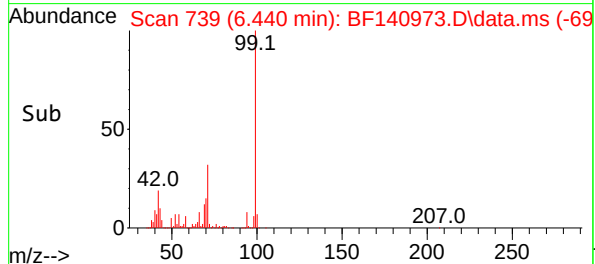
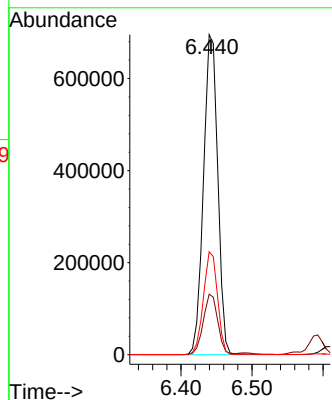
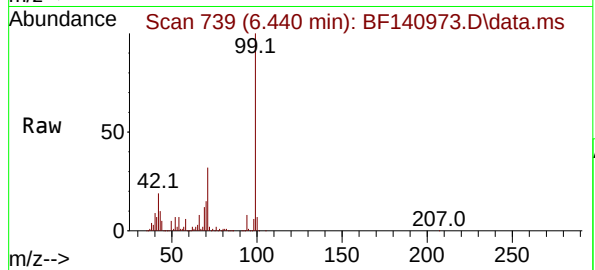




#7
Phenol-d6
Concen: 42.388 ng
RT: 6.440 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

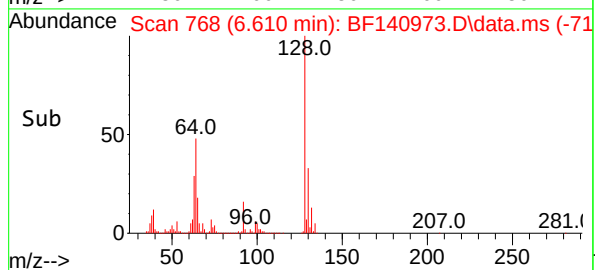
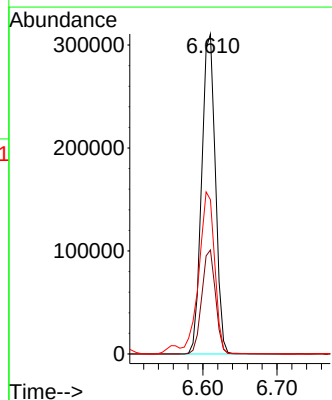
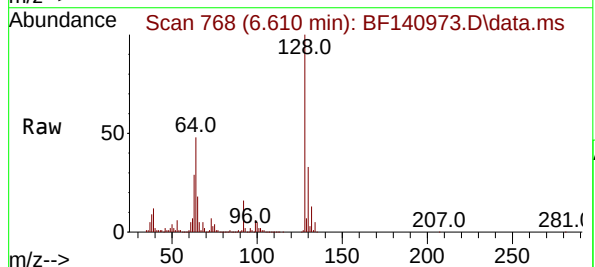
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

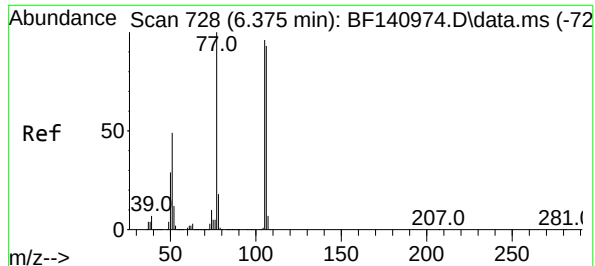
Tgt Ion: 99 Resp: 976492
Ion Ratio Lower Upper
99 100
42 18.9 15.0 22.4
71 32.2 26.2 39.2



#8
2-Chlorophenol
Concen: 21.198 ng
RT: 6.610 min Scan# 768
Delta R.T. -0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion: 128 Resp: 399668
Ion Ratio Lower Upper
128 100
130 32.5 12.2 52.2
64 48.2 30.3 70.3





#9

Benzaldehyde

Concen: 22.432 ng

RT: 6.375 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF140973.D

Acq: 26 Dec 2024 17:41

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

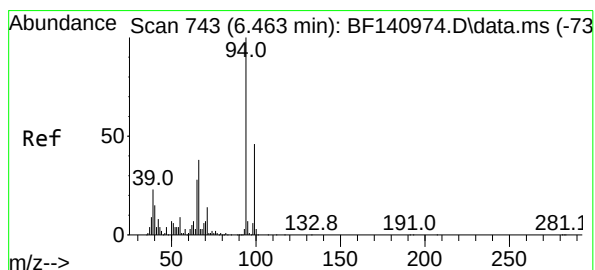
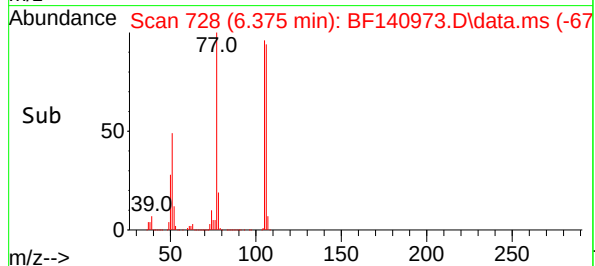
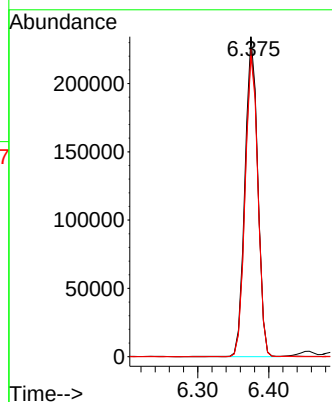
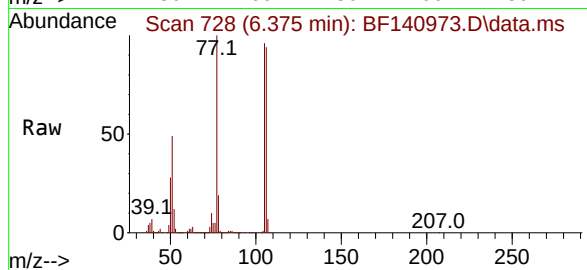
Tgt Ion: 77 Resp: 293566

Ion Ratio Lower Upper

77 100

105 96.1 76.2 116.2

106 94.0 73.4 113.4



#10

Phenol

Concen: 21.114 ng

RT: 6.457 min Scan# 742

Delta R.T. -0.006 min

Lab File: BF140973.D

Acq: 26 Dec 2024 17:41

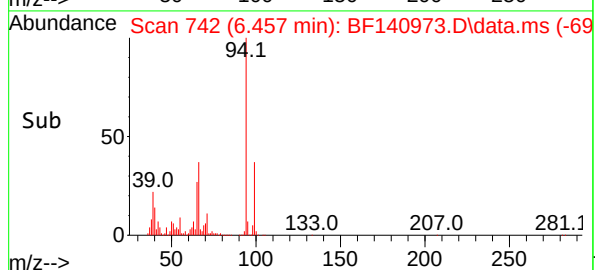
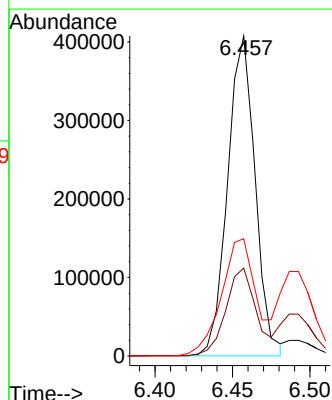
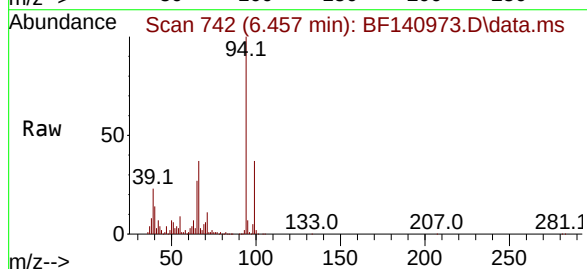
Tgt Ion: 94 Resp: 502959

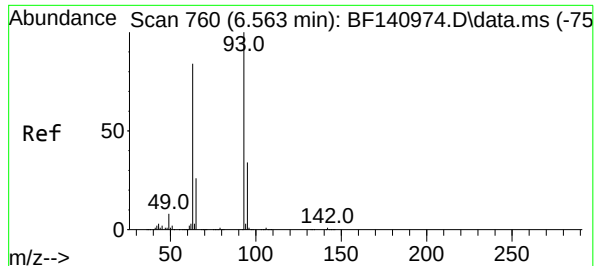
Ion Ratio Lower Upper

94 100

65 27.4 8.1 48.1

66 36.7 18.7 58.7





#11

bis(2-Chloroethyl)ether

Concen: 20.325 ng

RT: 6.563 min Scan# 760

Delta R.T. 0.000 min

Lab File: BF140973.D

Acq: 26 Dec 2024 17:41

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

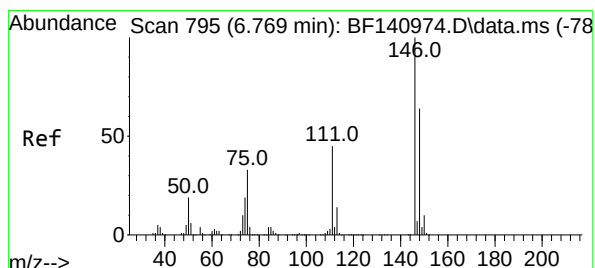
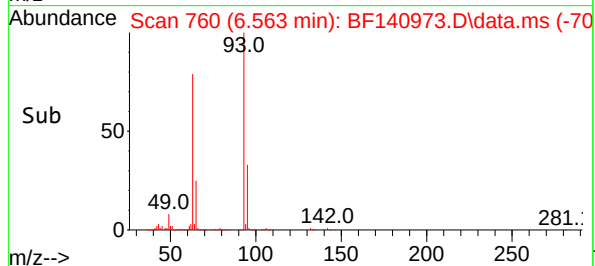
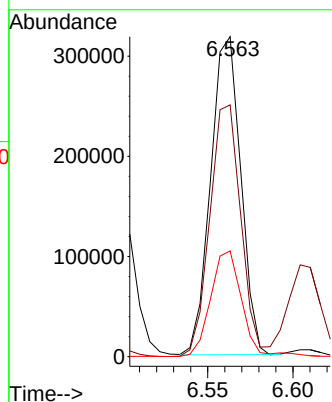
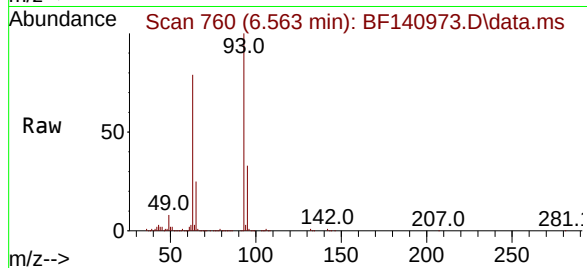
Tgt Ion: 93 Resp: 390561

Ion Ratio Lower Upper

93 100

63 78.7 60.3 100.3

95 33.1 12.2 52.2



#12

1,3-Dichlorobenzene

Concen: 21.366 ng

RT: 6.769 min Scan# 795

Delta R.T. 0.000 min

Lab File: BF140973.D

Acq: 26 Dec 2024 17:41

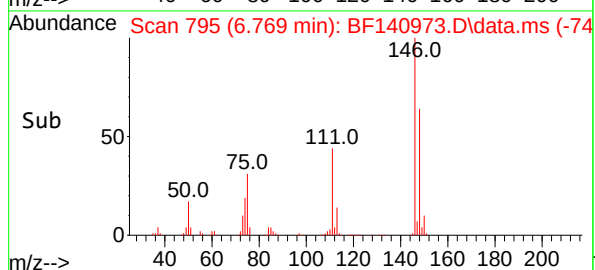
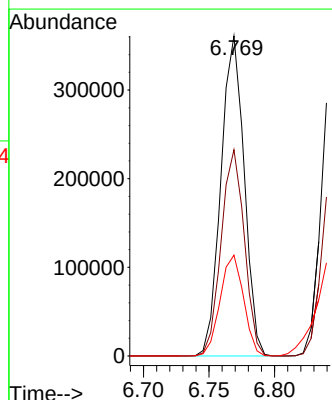
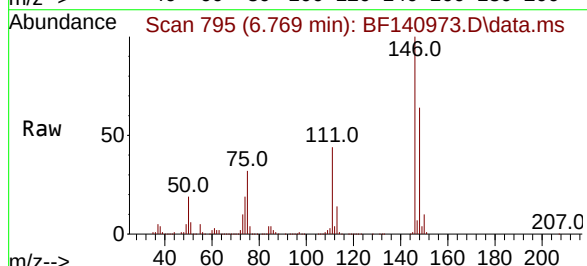
Tgt Ion:146 Resp: 444586

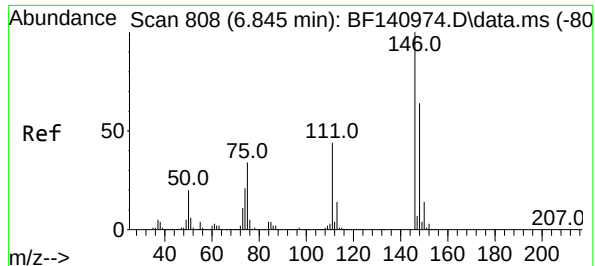
Ion Ratio Lower Upper

146 100

148 64.4 51.0 76.4

75 31.5 26.1 39.1





#13

1,4-Dichlorobenzene

Concen: 21.355 ng

RT: 6.845 min Scan# 808

Delta R.T. 0.000 min

Lab File: BF140973.D

Acq: 26 Dec 2024 17:41

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

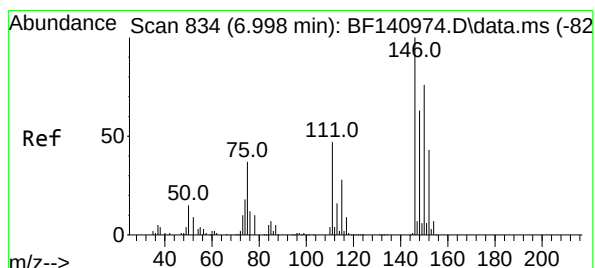
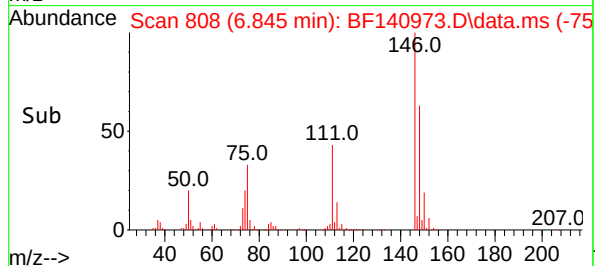
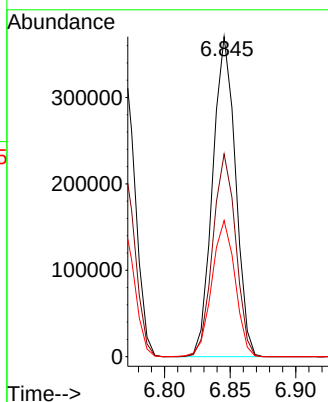
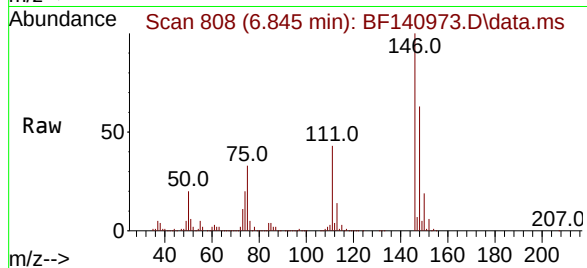
Tgt Ion:146 Resp: 447949

Ion Ratio Lower Upper

146 100

148 63.3 51.3 76.9

111 42.6 35.3 52.9



#14

1,2-Dichlorobenzene

Concen: 21.530 ng

RT: 6.998 min Scan# 834

Delta R.T. -0.000 min

Lab File: BF140973.D

Acq: 26 Dec 2024 17:41

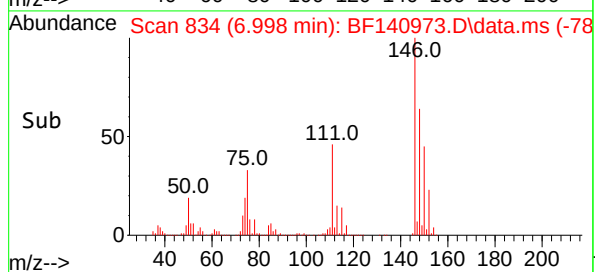
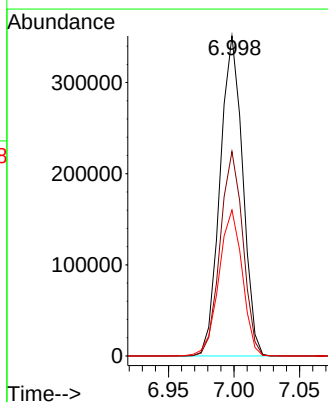
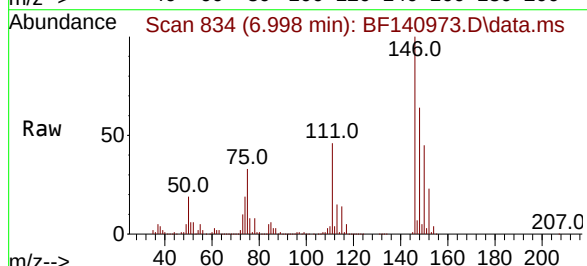
Tgt Ion:146 Resp: 421063

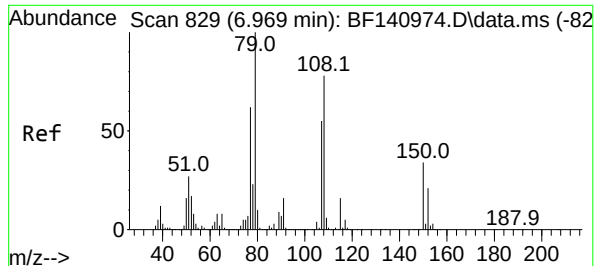
Ion Ratio Lower Upper

146 100

148 63.9 50.6 76.0

111 45.6 37.3 55.9





#15

Benzyl Alcohol

Concen: 21.140 ng

RT: 6.963 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF140973.D

Acq: 26 Dec 2024 17:41

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

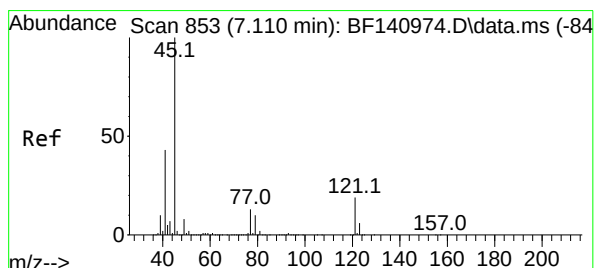
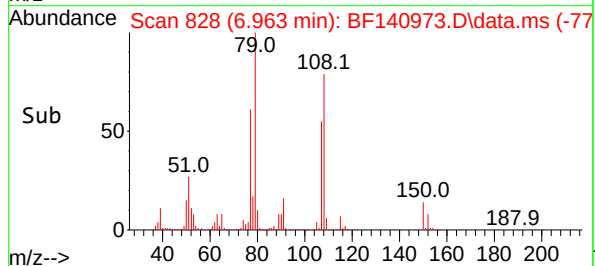
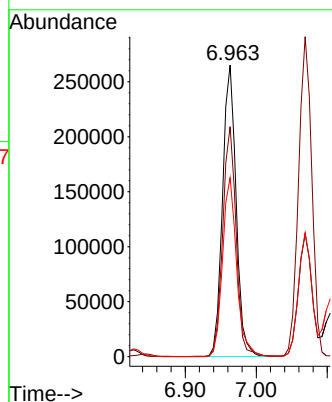
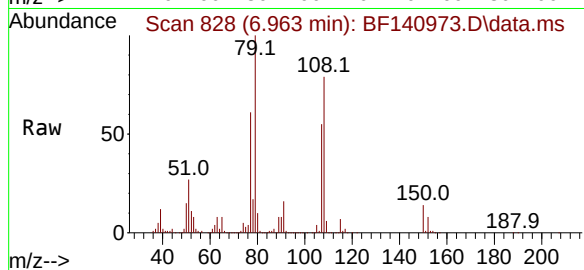
Tgt Ion: 79 Resp: 349962

Ion Ratio Lower Upper

79 100

108 78.9 62.5 93.7

77 61.4 49.3 73.9



#16

2,2'-oxybis(1-chloropropane)

Concen: 21.433 ng

RT: 7.104 min Scan# 852

Delta R.T. -0.006 min

Lab File: BF140973.D

Acq: 26 Dec 2024 17:41

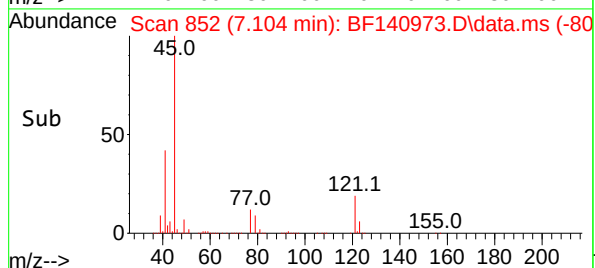
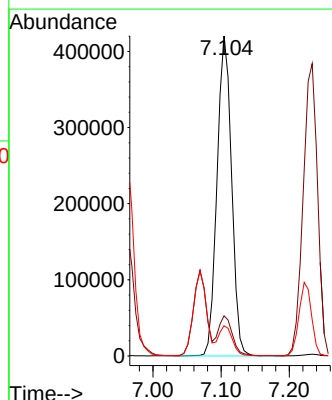
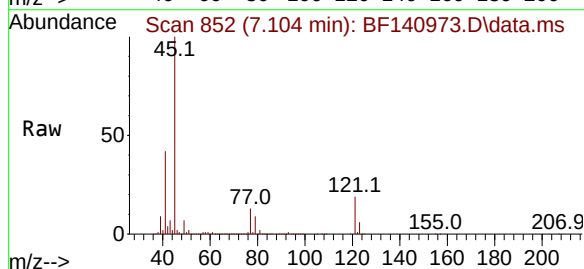
Tgt Ion: 45 Resp: 623448

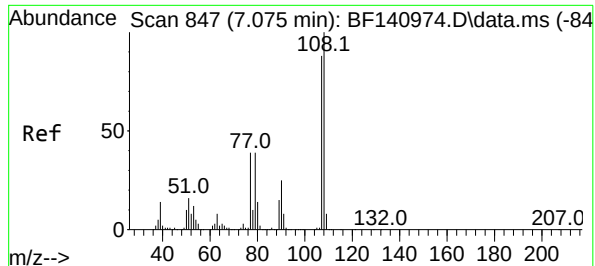
Ion Ratio Lower Upper

45 100

77 12.5 0.0 33.1

79 9.5 0.0 30.1

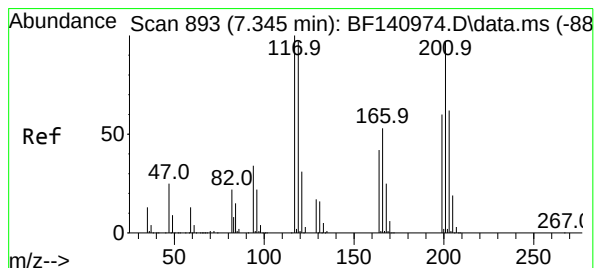
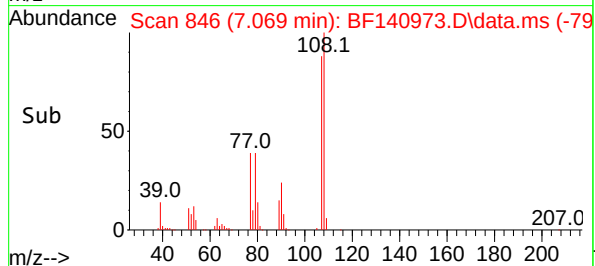
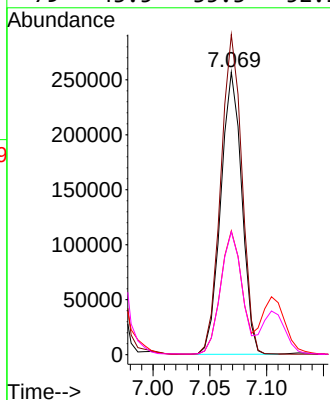
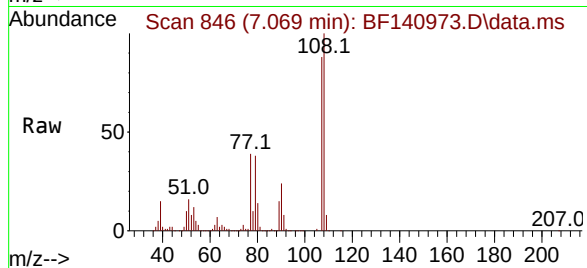




#17
2-Methylphenol
Concen: 21.106 ng
RT: 7.069 min Scan# 847
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

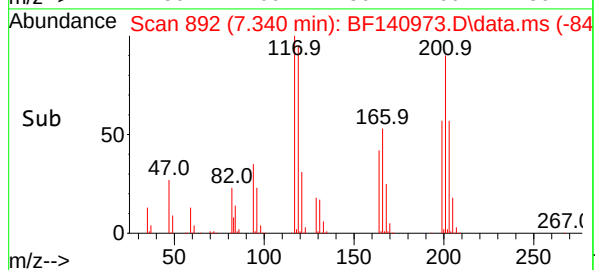
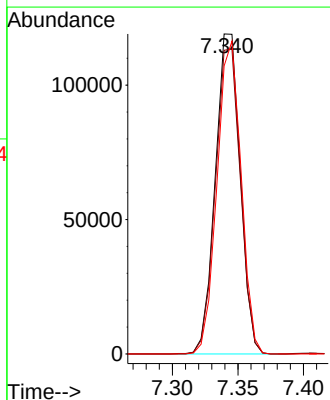
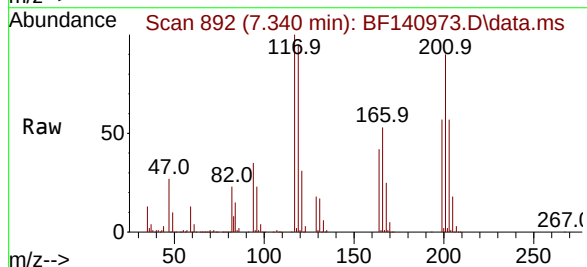
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

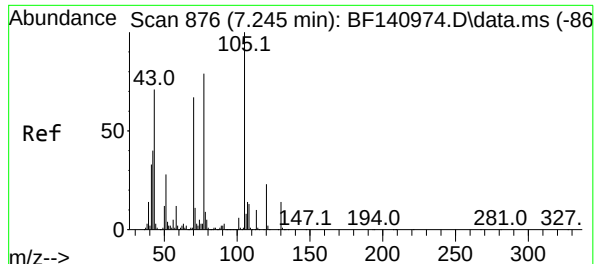
Tgt Ion:107 Resp: 330603
Ion Ratio Lower Upper
107 100
108 113.2 90.6 136.0
77 43.8 35.3 52.9
79 43.5 35.3 52.9



#18
Hexachloroethane
Concen: 21.113 ng
RT: 7.340 min Scan# 892
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:117 Resp: 157325
Ion Ratio Lower Upper
117 100
119 94.9 77.5 116.3
201 90.0 77.4 116.2





#19

n-Nitroso-di-n-propylamine

Concen: 20.617 ng

RT: 7.234 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF140973.D

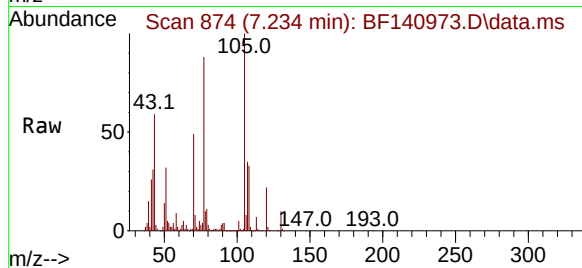
Acq: 26 Dec 2024 17:41

Instrument :

BNA_F

ClientSampleId :

SSTDICC020



Tgt Ion: 70 Resp: 290977

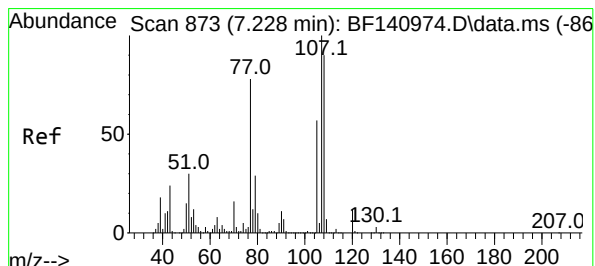
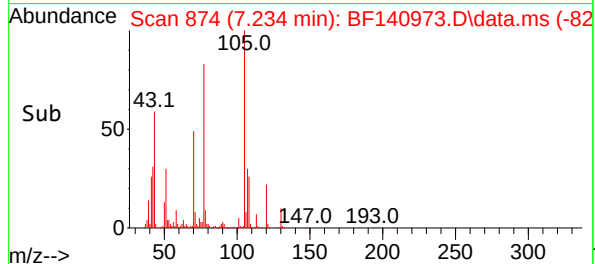
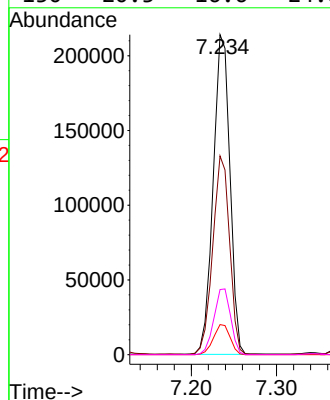
Ion Ratio Lower Upper

70 100

42 62.1 48.1 72.1

101 9.4 7.6 11.4

130 20.3 16.6 24.8



#20

3+4-Methylphenols

Concen: 21.737 ng

RT: 7.222 min Scan# 872

Delta R.T. -0.006 min

Lab File: BF140973.D

Acq: 26 Dec 2024 17:41

Tgt Ion: 107 Resp: 430865

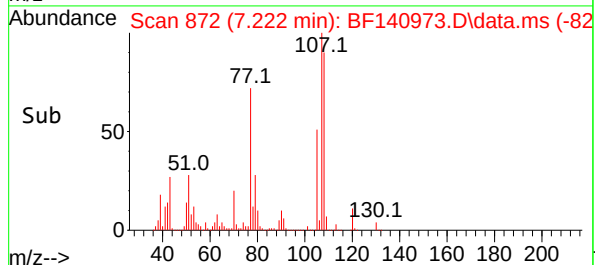
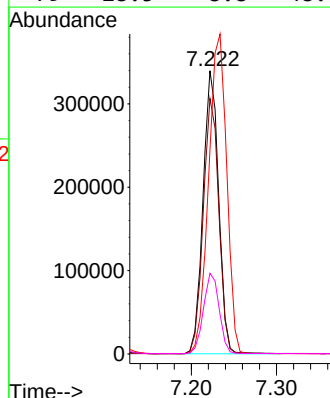
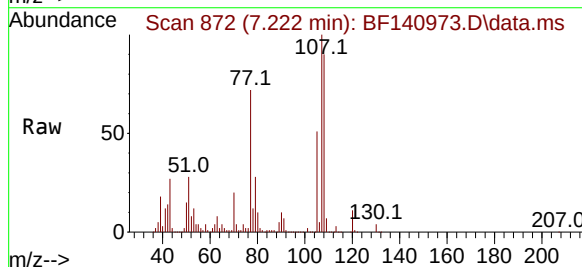
Ion Ratio Lower Upper

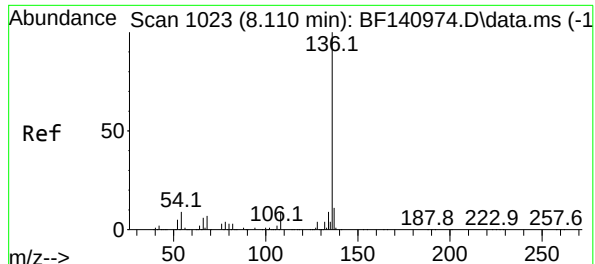
107 100

108 90.3 69.6 109.6

77 72.0 57.6 97.6

79 28.5 8.8 48.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.110 min Scan# 1023

Delta R.T. -0.000 min

Lab File: BF140973.D

Acq: 26 Dec 2024 17:41

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:136 Resp: 1065985

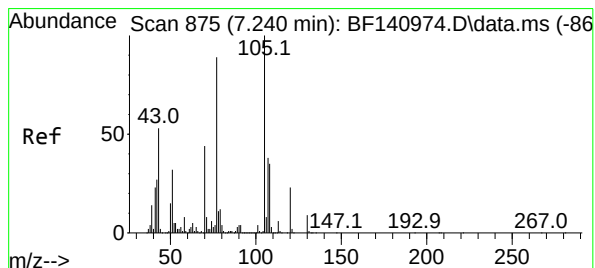
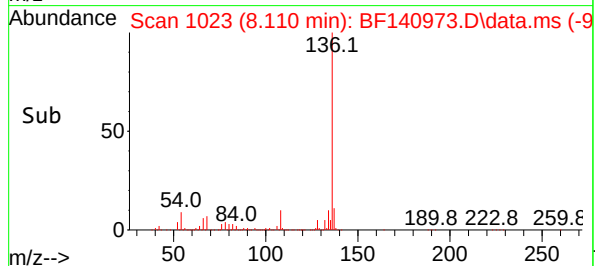
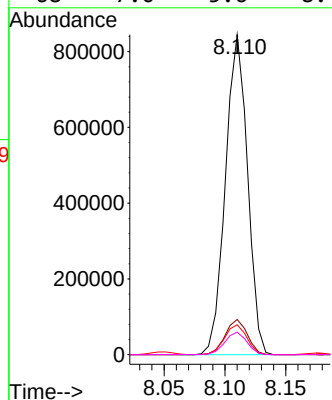
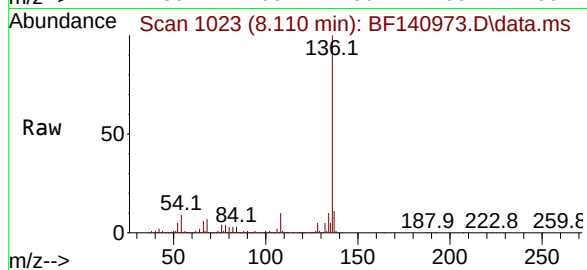
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.4

54 9.4 7.6 11.4

68 7.0 5.6 8.4



#22

Acetophenone

Concen: 21.244 ng

RT: 7.234 min Scan# 874

Delta R.T. -0.006 min

Lab File: BF140973.D

Acq: 26 Dec 2024 17:41

Tgt Ion:105 Resp: 555544

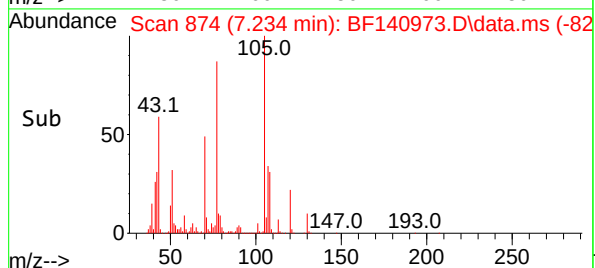
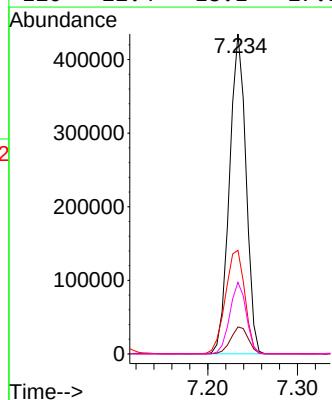
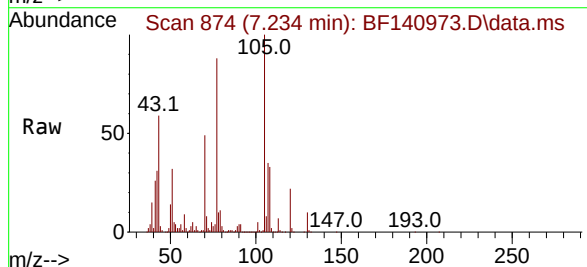
Ion Ratio Lower Upper

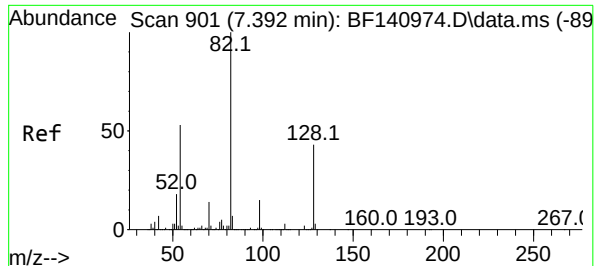
105 100

71 8.5 6.1 9.1

51 32.4 25.8 38.6

120 22.4 18.1 27.1





#23

Nitrobenzene-d5

Concen: 41.117 ng

RT: 7.387 min Scan# 901

Delta R.T. -0.006 min

Lab File: BF140973.D

Acq: 26 Dec 2024 17:41

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

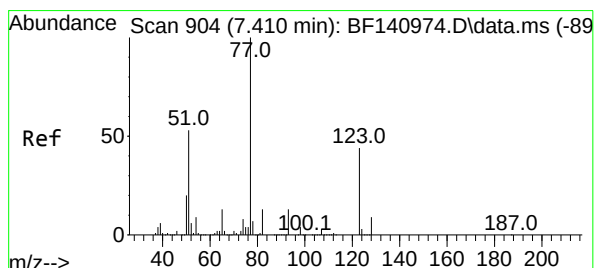
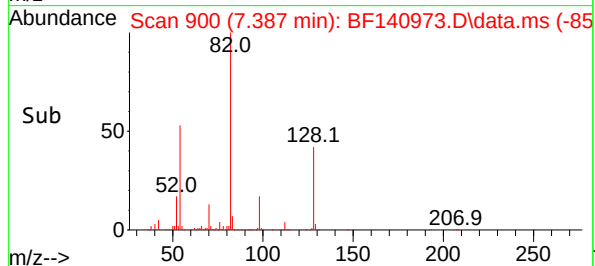
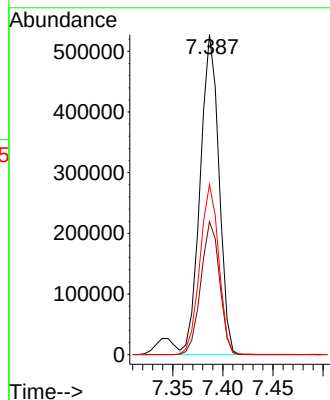
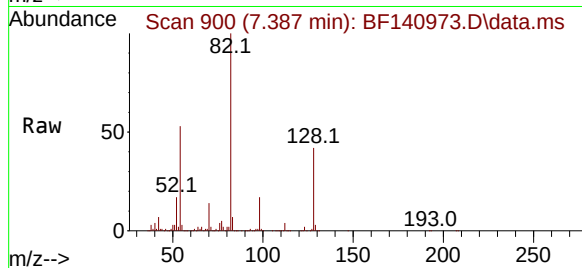
Tgt Ion: 82 Resp: 685087

Ion Ratio Lower Upper

82 100

128 41.6 34.4 51.6

54 53.2 42.4 63.6



#24

Nitrobenzene

Concen: 20.868 ng

RT: 7.404 min Scan# 903

Delta R.T. -0.006 min

Lab File: BF140973.D

Acq: 26 Dec 2024 17:41

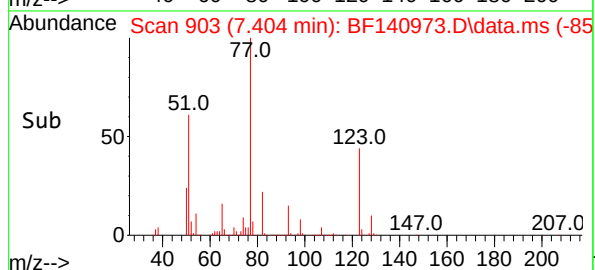
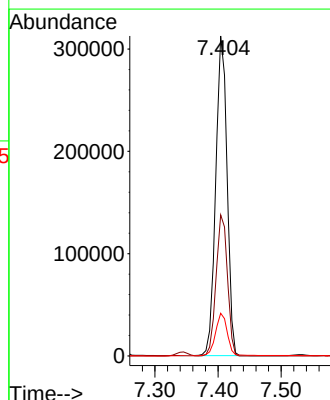
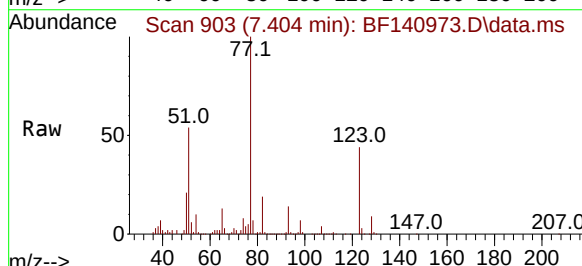
Tgt Ion: 77 Resp: 388514

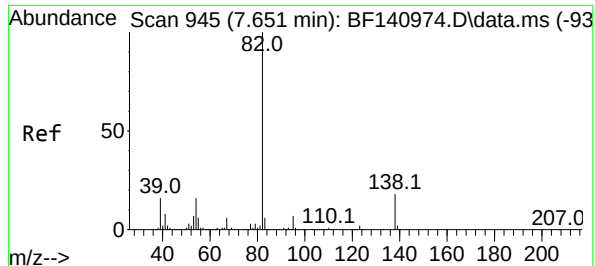
Ion Ratio Lower Upper

77 100

123 44.1 35.4 53.2

65 13.3 10.7 16.1

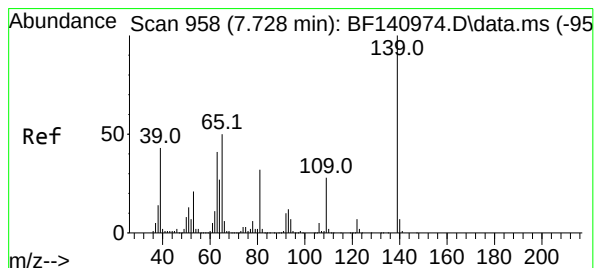
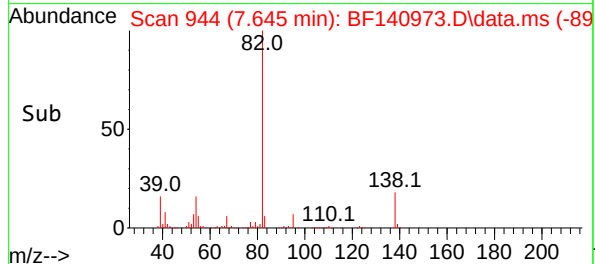
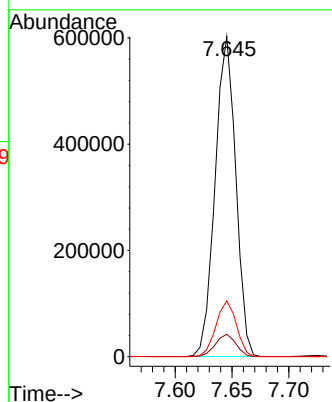
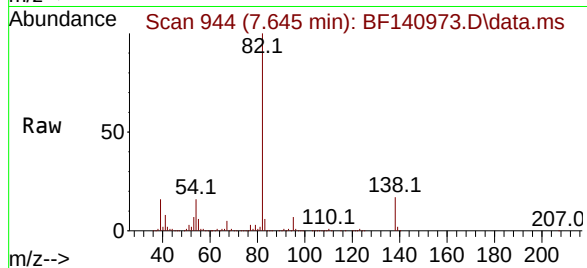




#25
Isophorone
Concen: 20.997 ng
RT: 7.645 min Scan# 944
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

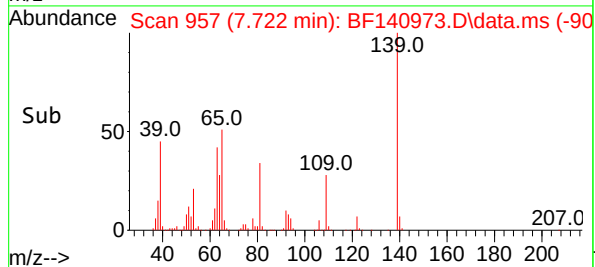
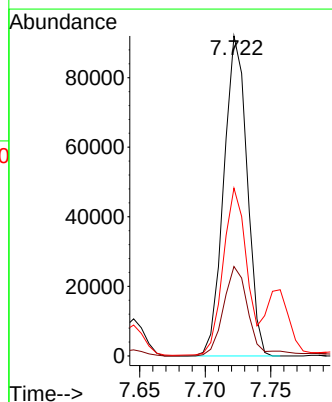
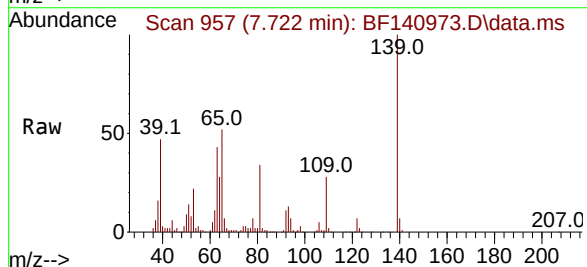
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

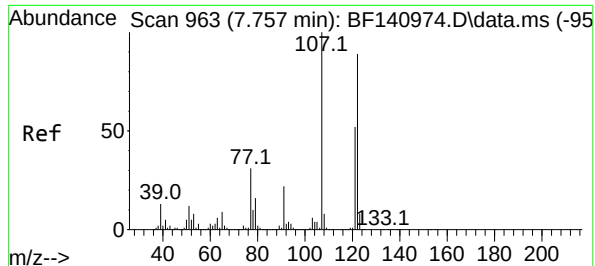
Tgt Ion: 82 Resp: 761280
Ion Ratio Lower Upper
82 100
95 7.0 5.6 8.4
138 17.4 14.6 21.8



#26
2-Nitrophenol
Concen: 18.546 ng
RT: 7.722 min Scan# 957
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion: 139 Resp: 113601
Ion Ratio Lower Upper
139 100
109 28.0 22.2 33.4
65 52.5 40.2 60.4





#27

2,4-Dimethylphenol

Concen: 20.884 ng

RT: 7.757 min Scan# 90

Delta R.T. -0.000 min

Lab File: BF140973.D

Acq: 26 Dec 2024 17:41

Instrument :

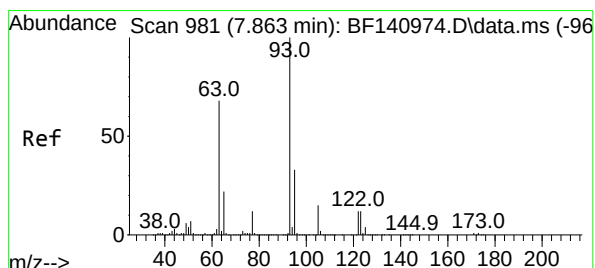
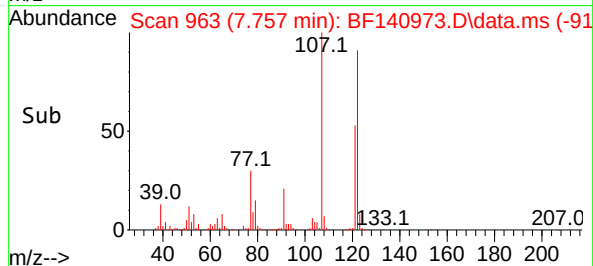
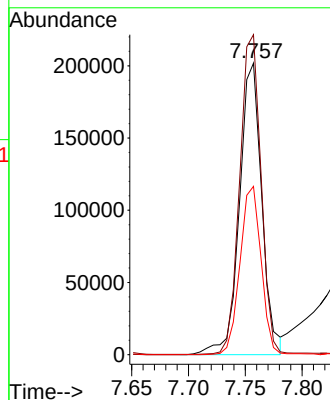
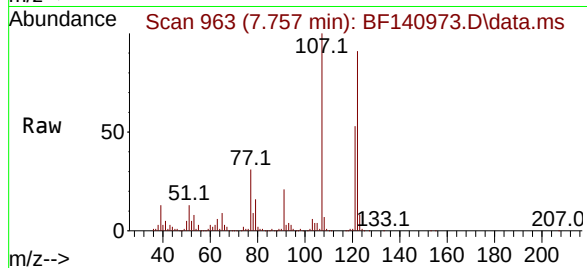
BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:122 Resp: 276735

Ion	Ratio	Lower	Upper
122	100		
107	109.8	89.4	134.2
121	57.7	46.7	70.1



#28

bis(2-Chloroethoxy)methane

Concen: 21.434 ng

RT: 7.857 min Scan# 980

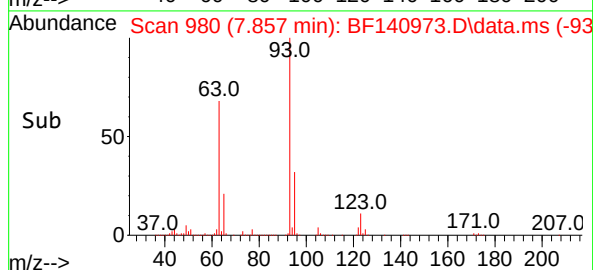
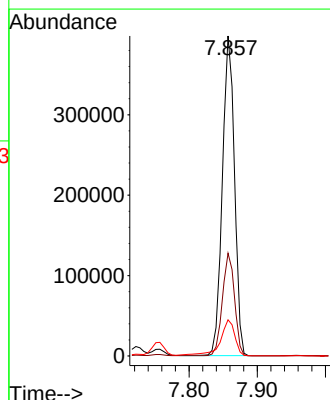
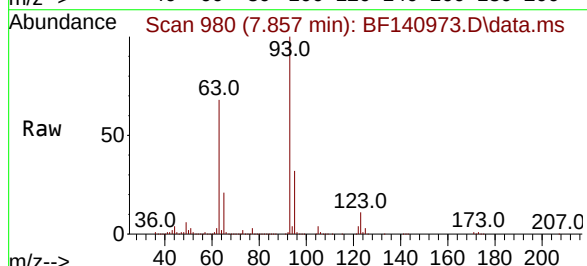
Delta R.T. -0.006 min

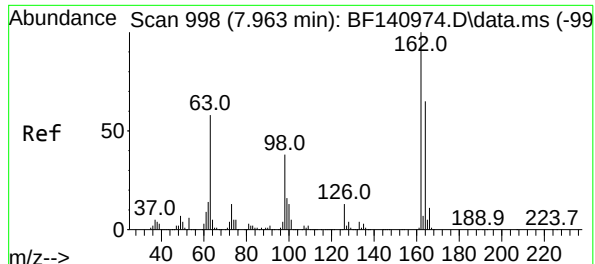
Lab File: BF140973.D

Acq: 26 Dec 2024 17:41

Tgt Ion: 93 Resp: 492370

Ion	Ratio	Lower	Upper
93	100		
95	32.1	26.2	39.4
123	11.3	9.9	14.9





#29

2,4-Dichlorophenol

Concen: 20.906 ng

RT: 7.957 min Scan# 99

Delta R.T. -0.006 min

Lab File: BF140973.D

Acq: 26 Dec 2024 17:41

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

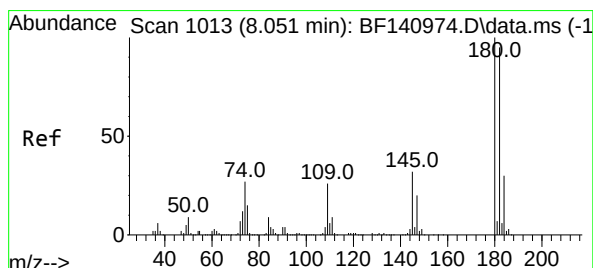
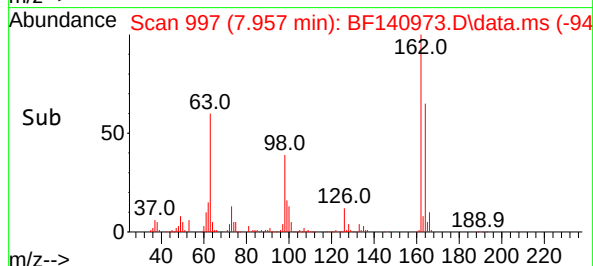
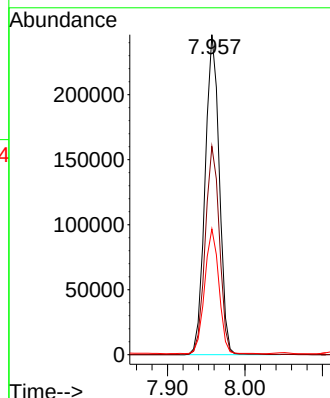
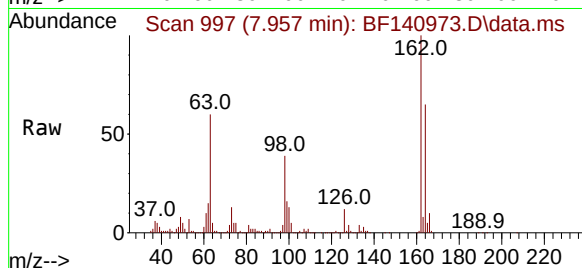
Tgt Ion:162 Resp: 314184

Ion Ratio Lower Upper

162 100

164 65.1 44.8 84.8

98 39.3 18.6 58.6



#30

1,2,4-Trichlorobenzene

Concen: 21.106 ng

RT: 8.051 min Scan# 1013

Delta R.T. -0.000 min

Lab File: BF140973.D

Acq: 26 Dec 2024 17:41

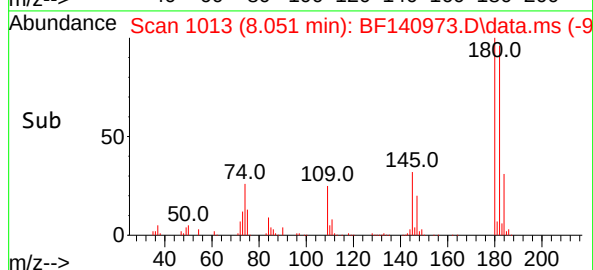
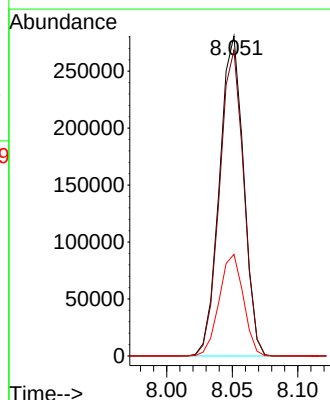
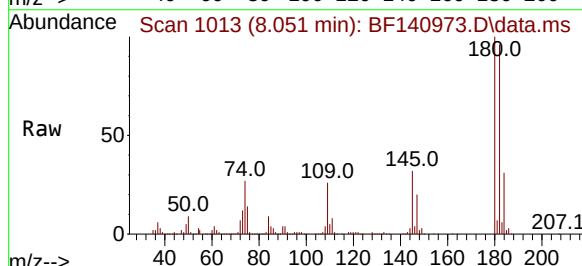
Tgt Ion:180 Resp: 359008

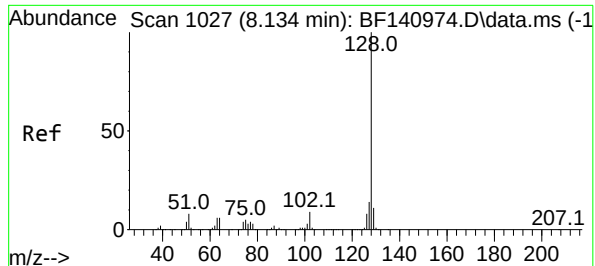
Ion Ratio Lower Upper

180 100

182 95.6 76.2 114.4

145 31.8 25.4 38.2





#31

Naphthalene

Concen: 21.677 ng

RT: 8.134 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF140973.D

Acq: 26 Dec 2024 17:41

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

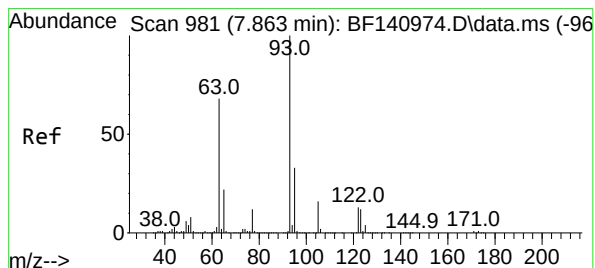
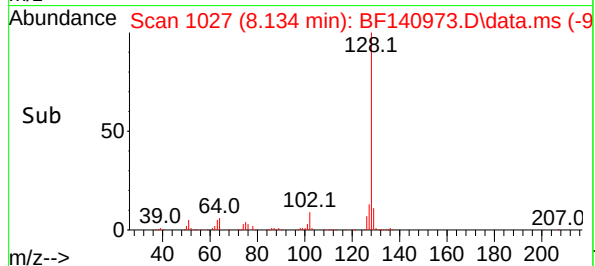
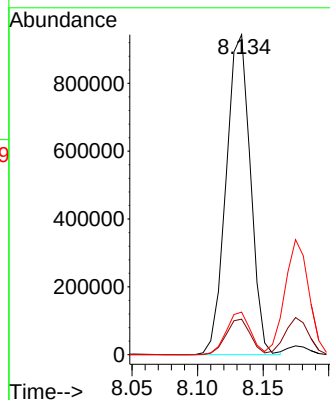
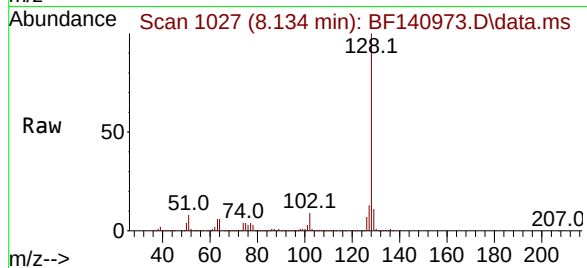
Tgt Ion:128 Resp: 1217616

Ion Ratio Lower Upper

128 100

129 11.1 9.2 13.8

127 13.3 11.0 16.4



#32

Benzoic acid

Concen: 20.134 ng

RT: 7.834 min Scan# 976

Delta R.T. -0.029 min

Lab File: BF140973.D

Acq: 26 Dec 2024 17:41

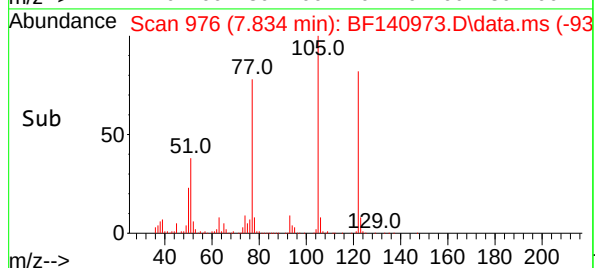
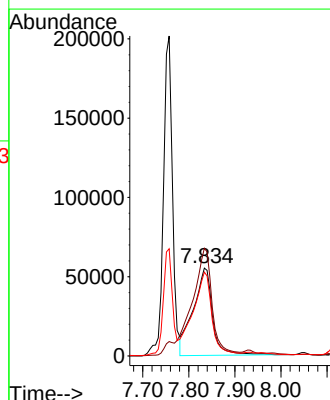
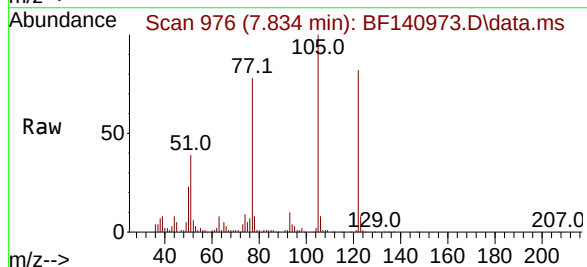
Tgt Ion:122 Resp: 161566

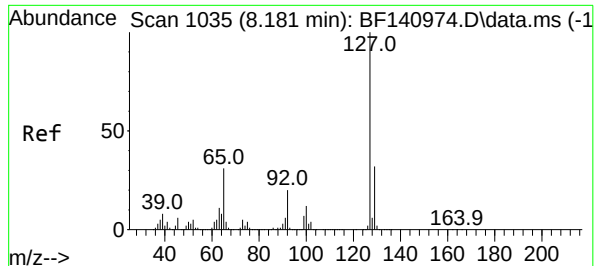
Ion Ratio Lower Upper

122 100

105 122.5 105.4 145.4

77 95.4 76.4 116.4





#33

4-Chloroaniline

Concen: 21.167 ng

RT: 8.175 min Scan# 1034

Delta R.T. -0.006 min

Lab File: BF140973.D

Acq: 26 Dec 2024 17:41

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:127 Resp: 430141

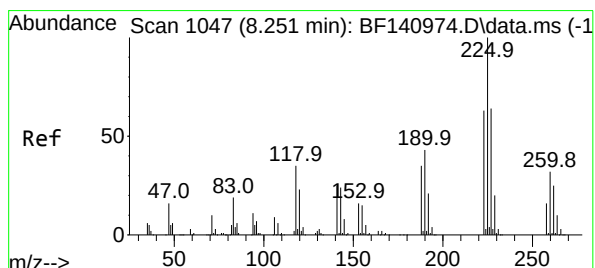
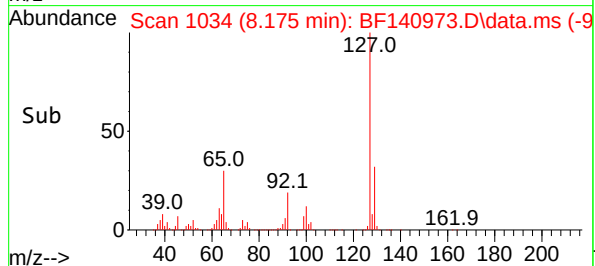
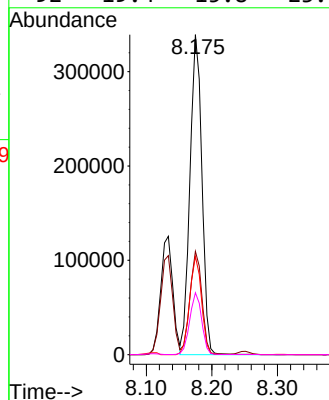
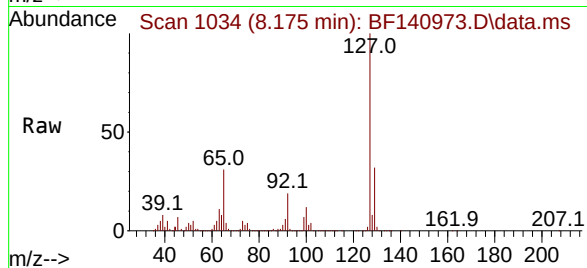
Ion Ratio Lower Upper

127 100

129 32.3 26.1 39.1

65 30.7 24.6 37.0

92 19.4 15.8 23.6



#34

Hexachlorobutadiene

Concen: 20.878 ng

RT: 8.251 min Scan# 1047

Delta R.T. -0.000 min

Lab File: BF140973.D

Acq: 26 Dec 2024 17:41

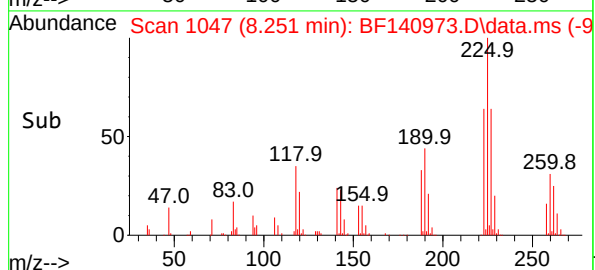
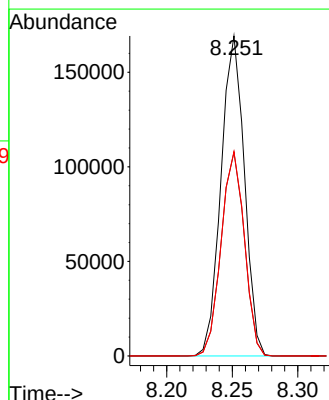
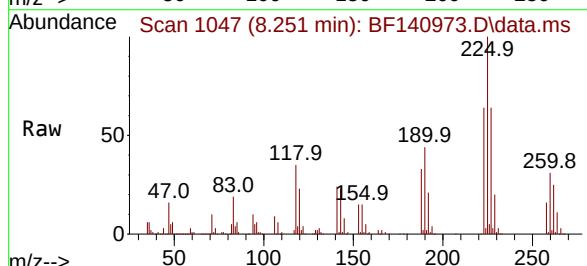
Tgt Ion:225 Resp: 209359

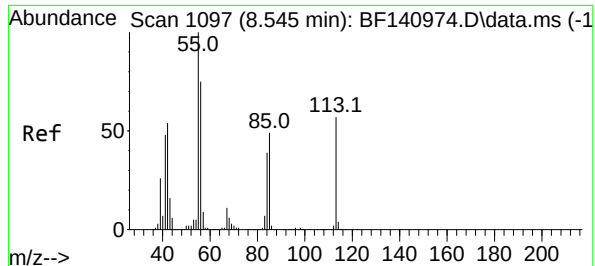
Ion Ratio Lower Upper

225 100

223 63.7 50.3 75.5

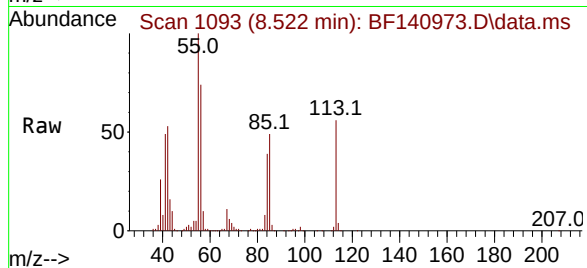
227 63.9 50.8 76.2



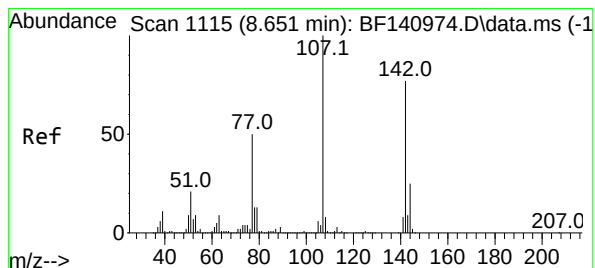
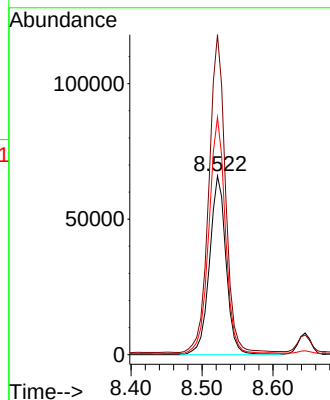
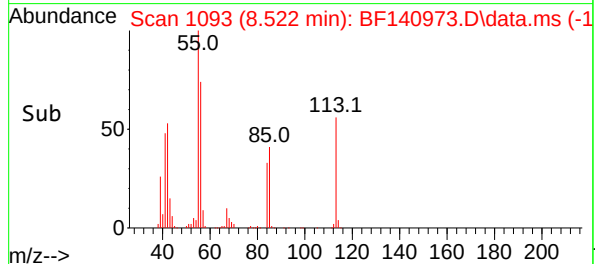


#35
Caprolactam
Concen: 20.875 ng
RT: 8.522 min Scan# 1093
Delta R.T. -0.024 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

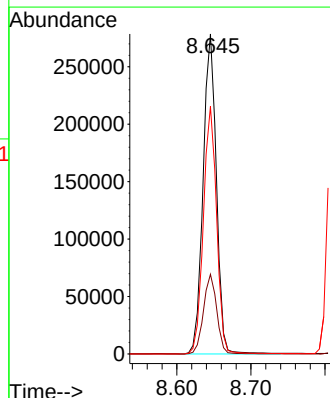
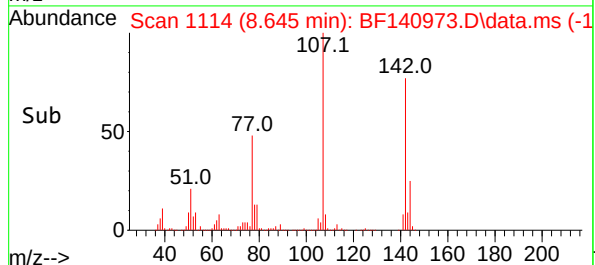
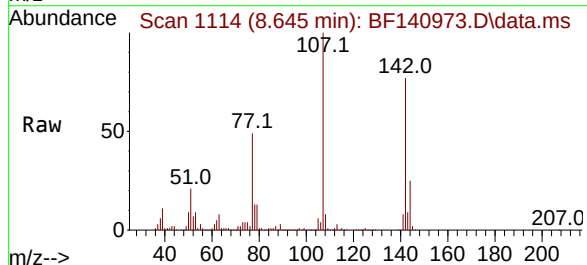


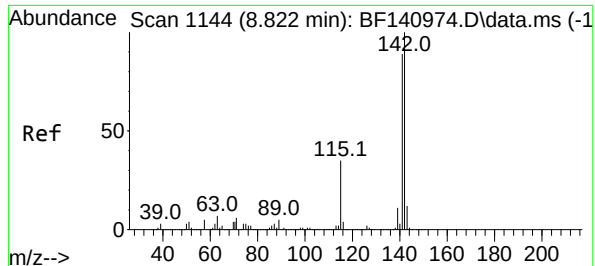
Tgt Ion:113 Resp: 106661
Ion Ratio Lower Upper
113 100
55 179.1 156.6 196.6
56 132.8 111.7 151.7



#36
4-Chloro-3-methylphenol
Concen: 20.870 ng
RT: 8.645 min Scan# 1114
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:107 Resp: 348318
Ion Ratio Lower Upper
107 100
144 24.9 19.9 29.9
142 77.4 61.8 92.8





#37

2-Methylnaphthalene

Concen: 21.701 ng

RT: 8.816 min Scan# 1143

Delta R.T. -0.006 min

Lab File: BF140973.D

Acq: 26 Dec 2024 17:41

Instrument :

BNA_F

ClientSampleId :

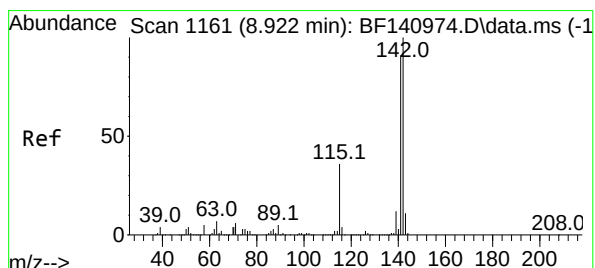
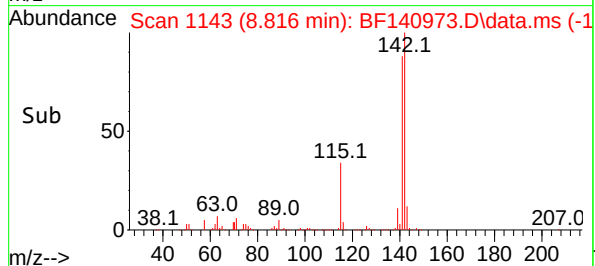
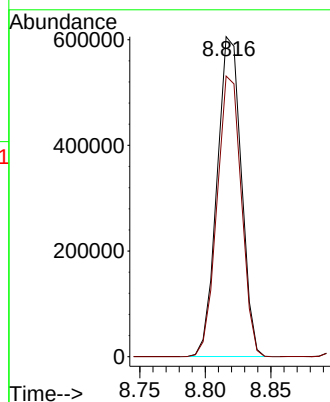
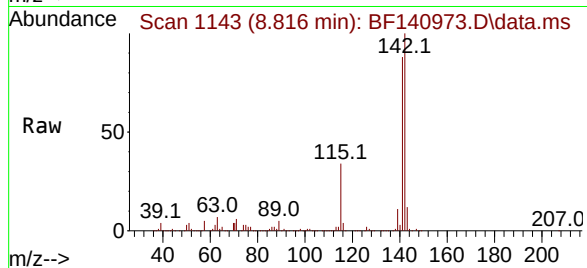
SSTDICC020

Tgt Ion:142 Resp: 779831

Ion Ratio Lower Upper

142 100

141 87.7 71.1 106.7



#38

1-Methylnaphthalene

Concen: 21.432 ng

RT: 8.916 min Scan# 1160

Delta R.T. -0.006 min

Lab File: BF140973.D

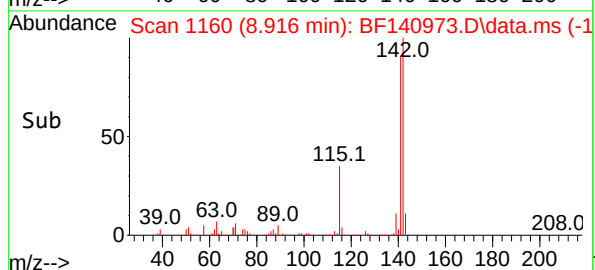
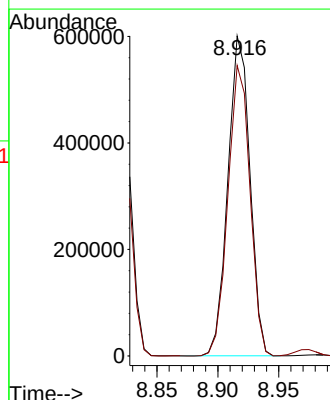
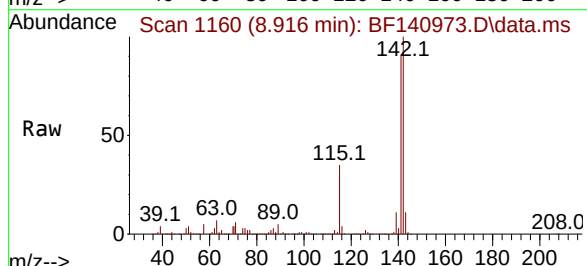
Acq: 26 Dec 2024 17:41

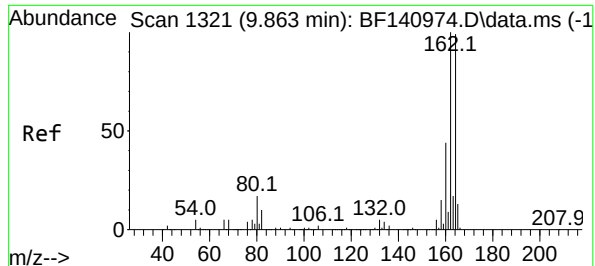
Tgt Ion:142 Resp: 756896

Ion Ratio Lower Upper

142 100

141 90.8 72.7 109.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.863 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF140973.D

Acq: 26 Dec 2024 17:41

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

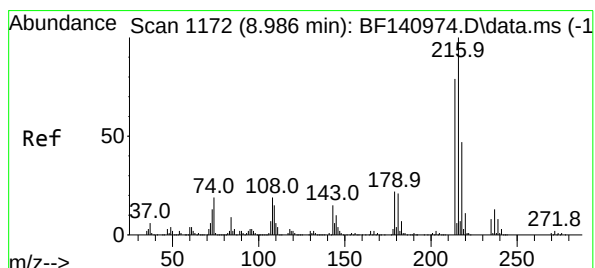
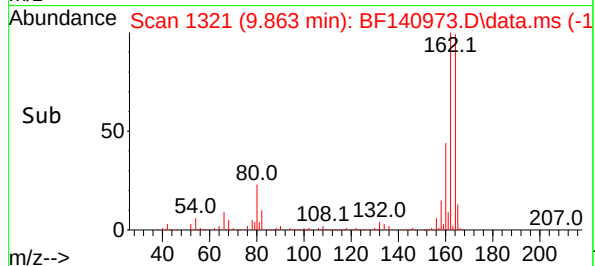
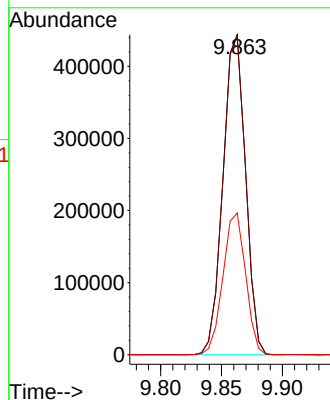
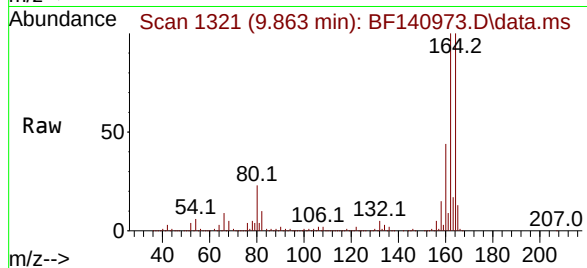
Tgt Ion:164 Resp: 573072

Ion Ratio Lower Upper

164 100

162 99.6 80.6 120.8

160 44.2 35.7 53.5



#40

1,2,4,5-Tetrachlorobenzene

Concen: 21.287 ng

RT: 8.981 min Scan# 1171

Delta R.T. -0.006 min

Lab File: BF140973.D

Acq: 26 Dec 2024 17:41

Tgt Ion:216 Resp: 335609

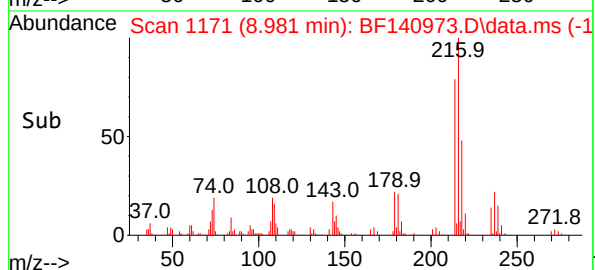
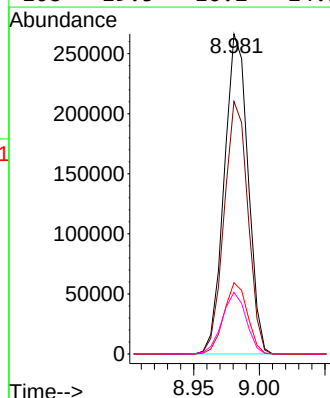
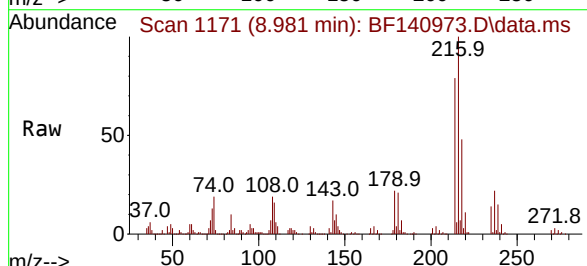
Ion Ratio Lower Upper

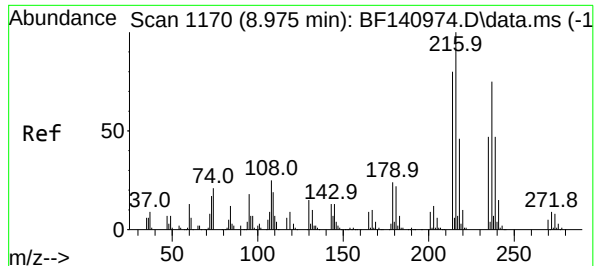
216 100

214 78.7 63.0 94.6

179 22.0 17.9 26.9

108 19.5 16.2 24.2

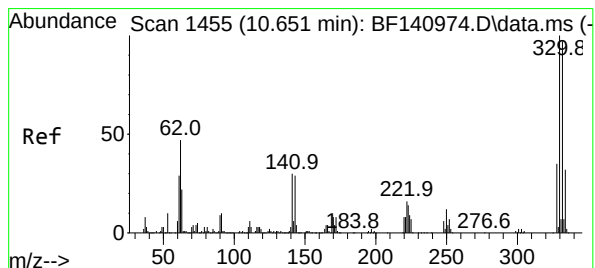
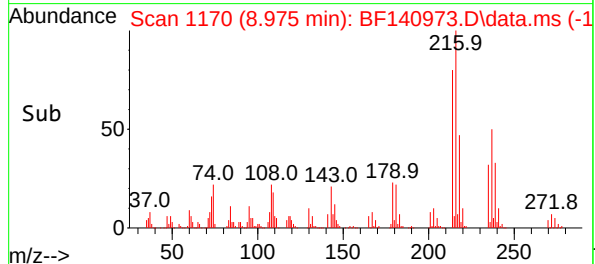
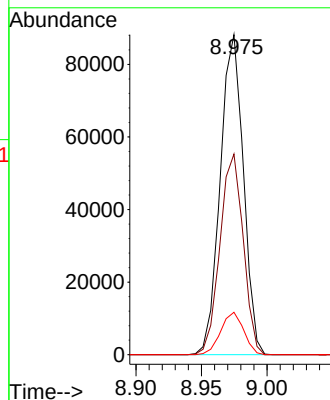
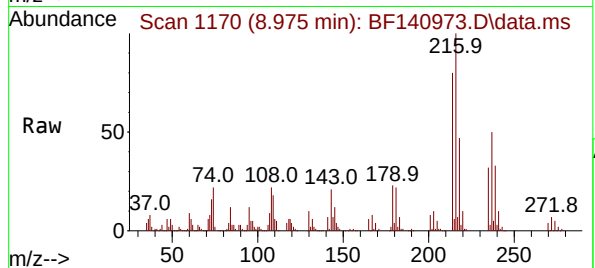




#41
Hexachlorocyclopentadiene
Concen: 20.700 ng
RT: 8.975 min Scan# 1170
Delta R.T. -0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

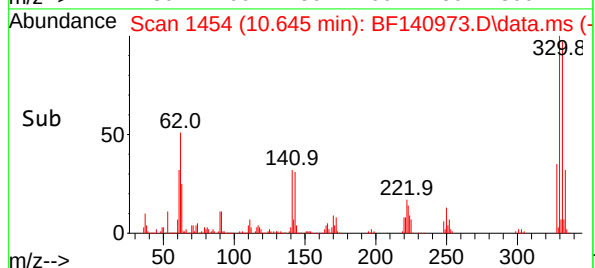
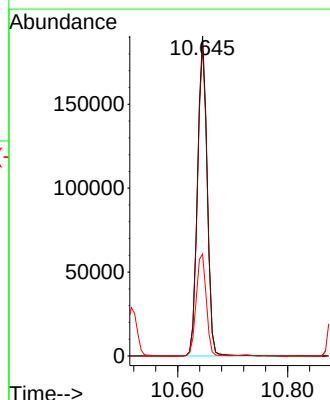
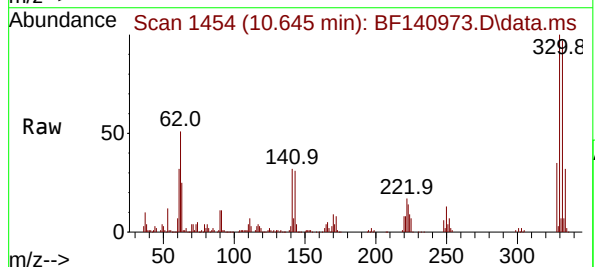
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

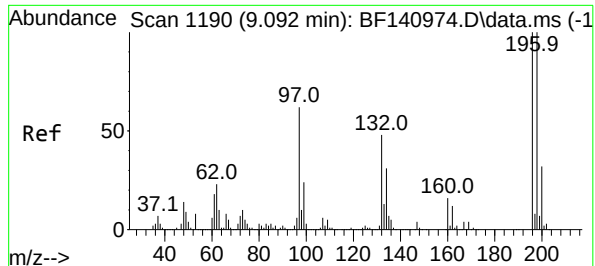
Tgt Ion:237 Resp: 108149
Ion Ratio Lower Upper
237 100
235 62.7 43.4 83.4
272 13.2 0.0 32.6



#42
2,4,6-Tribromophenol
Concen: 41.797 ng
RT: 10.645 min Scan# 1454
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:330 Resp: 232752
Ion Ratio Lower Upper
330 100
332 97.2 78.0 117.0
141 33.3 26.4 39.6





#43

2,4,6-Trichlorophenol

Concen: 21.723 ng

RT: 9.092 min Scan# 1190

Delta R.T. -0.000 min

Lab File: BF140973.D

Acq: 26 Dec 2024 17:41

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

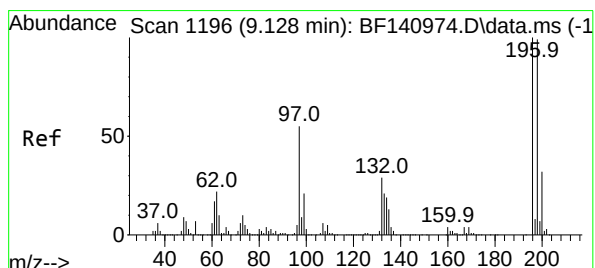
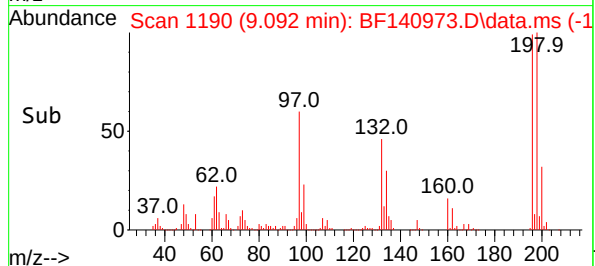
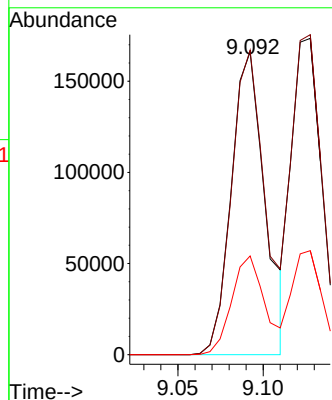
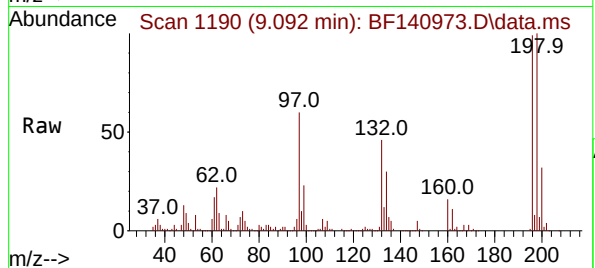
Tgt Ion:196 Resp: 227943

Ion Ratio Lower Upper

196 100

198 100.6 80.2 120.4

200 32.6 25.8 38.6



#44

2,4,5-Trichlorophenol

Concen: 20.108 ng

RT: 9.128 min Scan# 1196

Delta R.T. -0.000 min

Lab File: BF140973.D

Acq: 26 Dec 2024 17:41

Tgt Ion:196 Resp: 215889

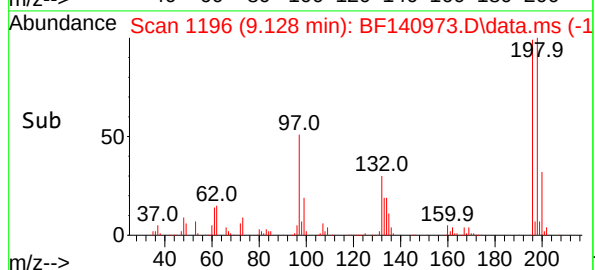
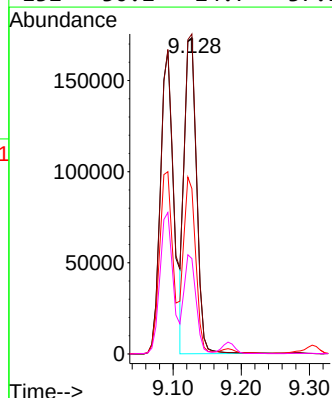
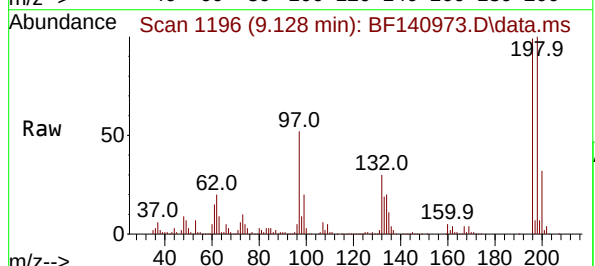
Ion Ratio Lower Upper

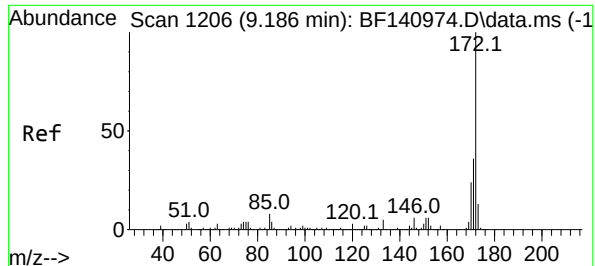
196 100

198 101.1 79.9 119.9

97 52.2 44.3 66.5

132 30.2 24.7 37.1

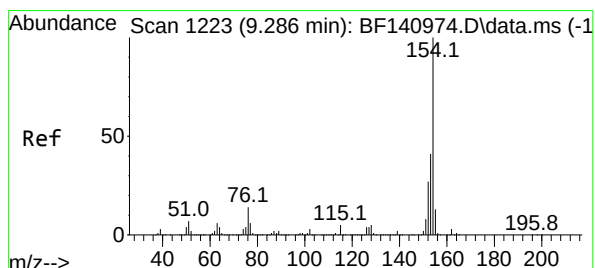
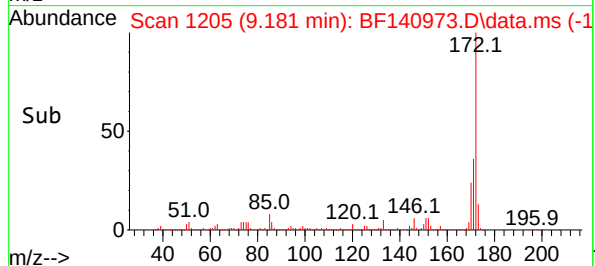
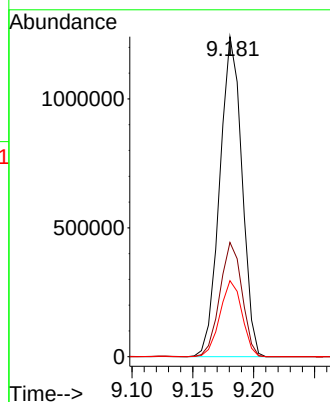
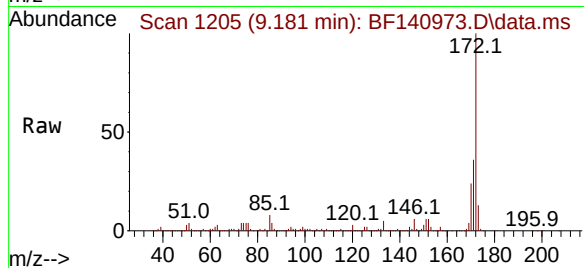




#45
2-Fluorobiphenyl
Concen: 43.899 ng
RT: 9.181 min Scan# 1206
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

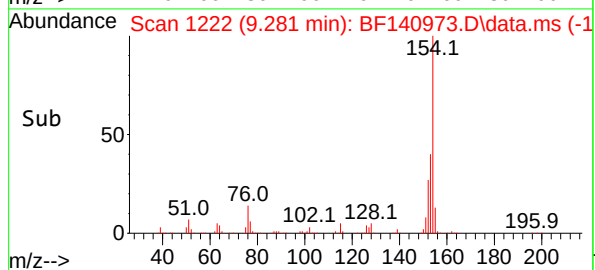
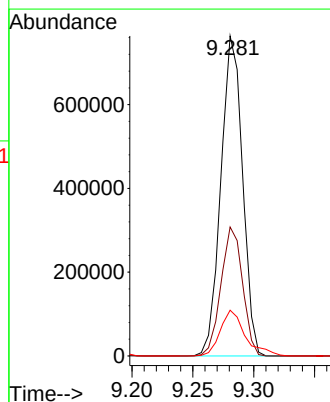
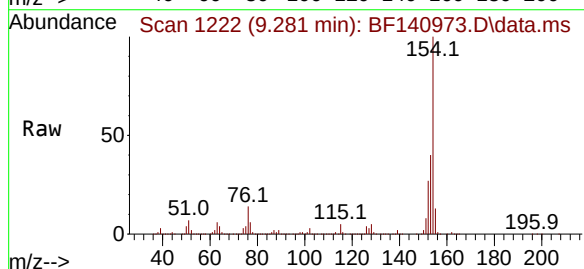
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

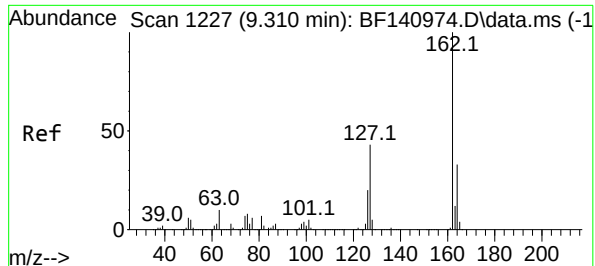
Tgt Ion:172 Resp: 1579020
Ion Ratio Lower Upper
172 100
171 35.7 29.0 43.4
170 23.7 19.6 29.4



#46
1,1'-Biphenyl
Concen: 21.562 ng
RT: 9.281 min Scan# 1222
Delta R.T. -0.005 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:154 Resp: 946134
Ion Ratio Lower Upper
154 100
153 40.3 20.9 60.9
76 14.3 0.0 34.0





#47

2-Chloronaphthalene

Concen: 21.387 ng

RT: 9.304 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140973.D

Acq: 26 Dec 2024 17:41

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

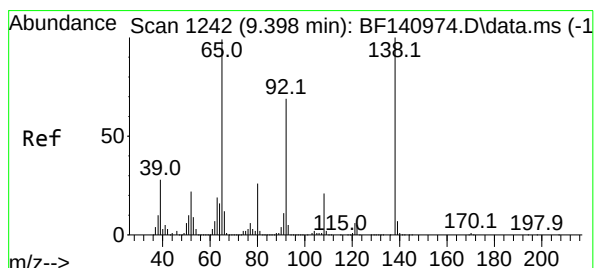
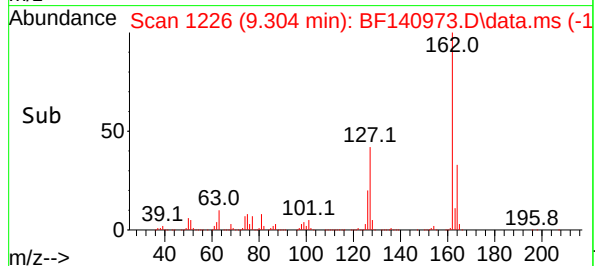
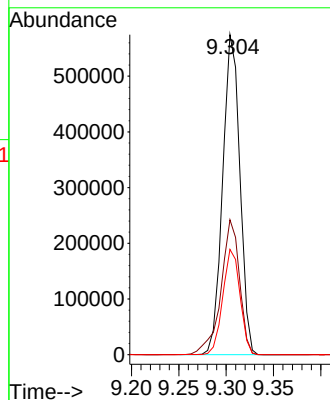
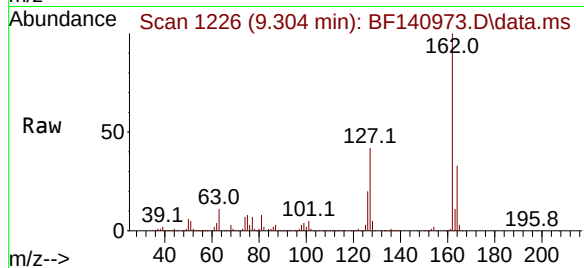
Tgt Ion:162 Resp: 727825

Ion Ratio Lower Upper

162 100

127 42.2 34.2 51.4

164 32.9 26.6 40.0



#48

2-Nitroaniline

Concen: 19.054 ng

RT: 9.398 min Scan# 1242

Delta R.T. 0.000 min

Lab File: BF140973.D

Acq: 26 Dec 2024 17:41

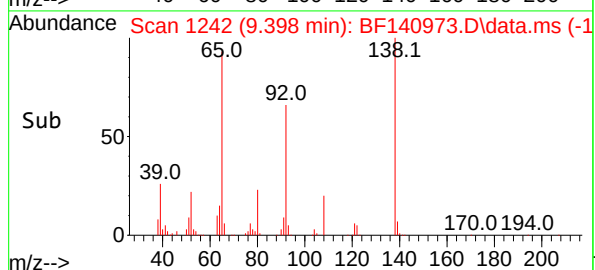
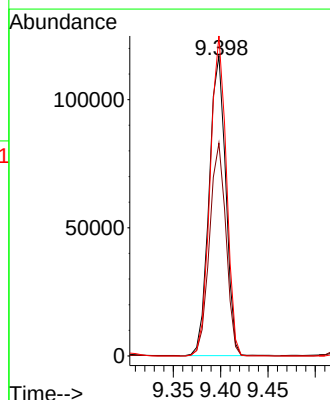
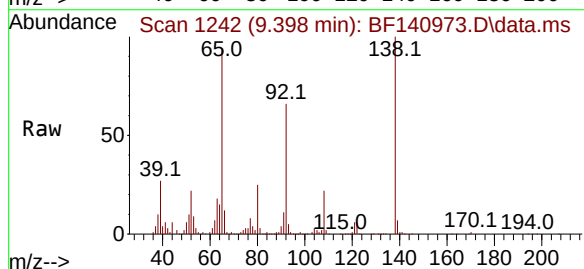
Tgt Ion: 65 Resp: 142035

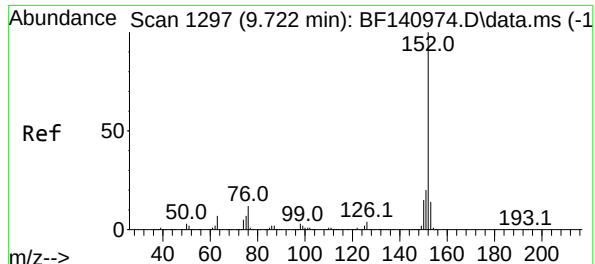
Ion Ratio Lower Upper

65 100

92 70.8 55.6 83.4

138 106.5 80.5 120.7





#49

Acenaphthylene

Concen: 21.333 ng

RT: 9.722 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF140973.D

Acq: 26 Dec 2024 17:41

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

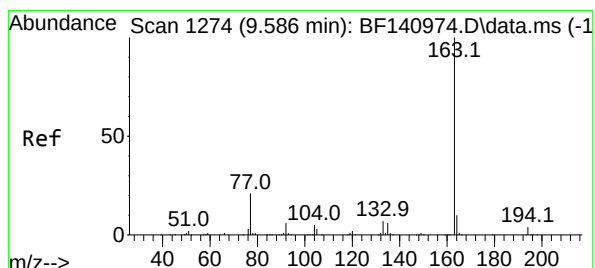
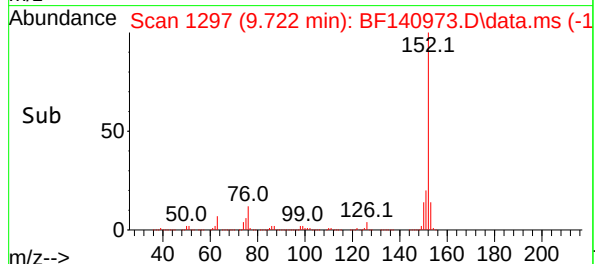
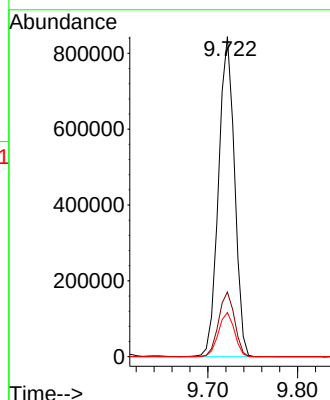
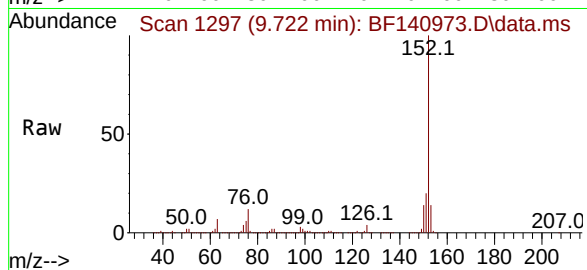
Tgt Ion:152 Resp: 1045099

Ion Ratio Lower Upper

152 100

151 20.2 16.2 24.4

153 13.8 11.4 17.0



#50

Dimethylphthalate

Concen: 21.121 ng

RT: 9.581 min Scan# 1273

Delta R.T. -0.005 min

Lab File: BF140973.D

Acq: 26 Dec 2024 17:41

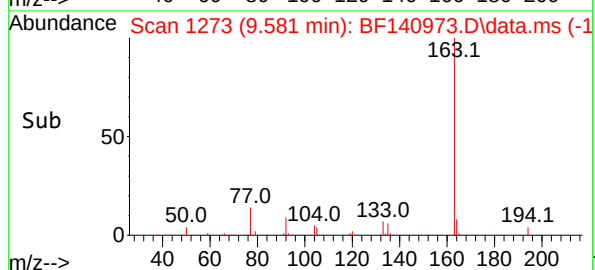
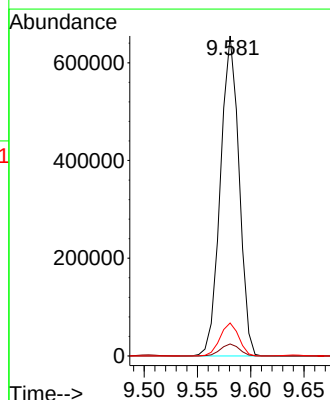
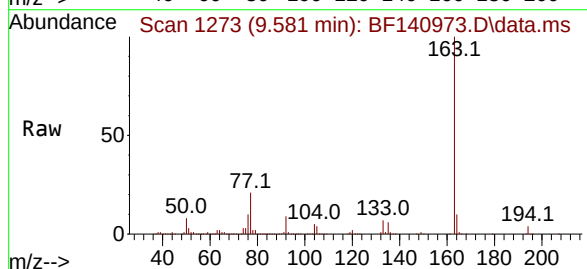
Tgt Ion:163 Resp: 796157

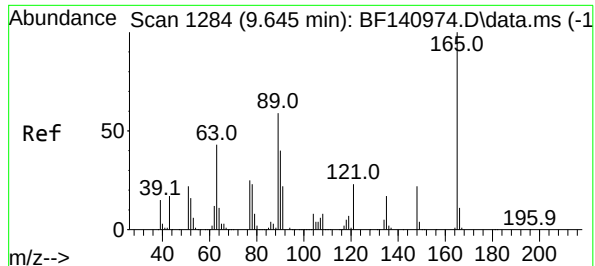
Ion Ratio Lower Upper

163 100

194 3.8 3.1 4.7

164 10.3 8.3 12.5

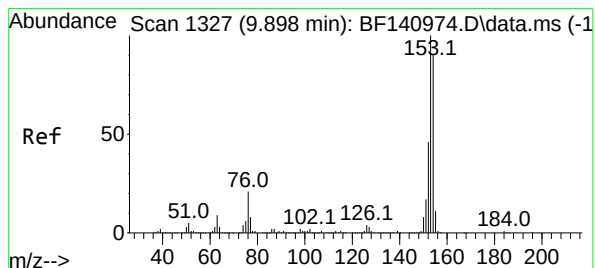
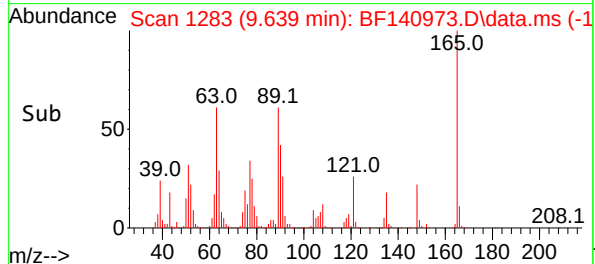
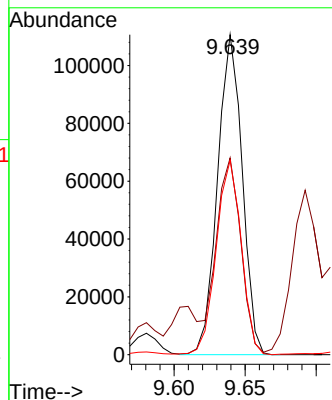
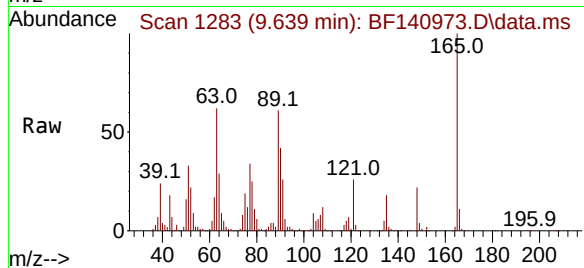




#51
2,6-Dinitrotoluene
Concen: 19.707 ng
RT: 9.639 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

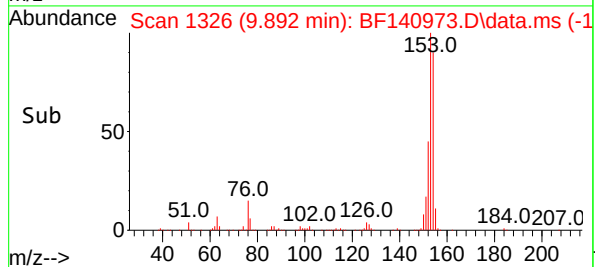
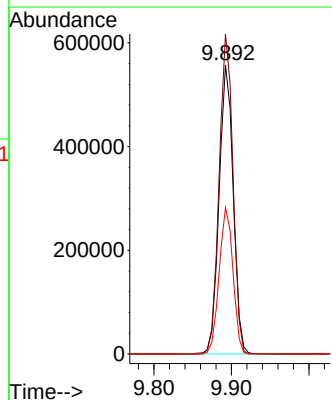
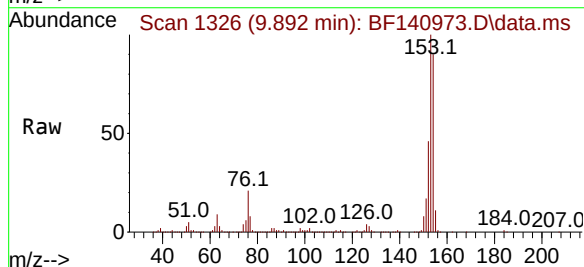
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

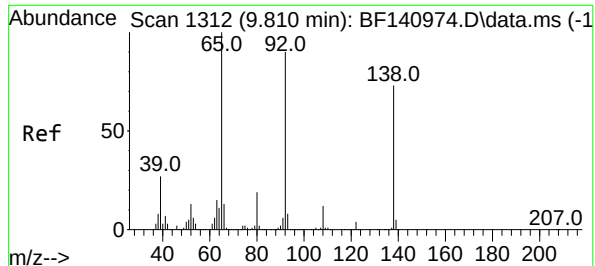
Tgt Ion:165 Resp: 133566
Ion Ratio Lower Upper
165 100
63 61.5 47.1 70.7
89 60.8 47.0 70.4



#52
Acenaphthene
Concen: 21.265 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:154 Resp: 704299
Ion Ratio Lower Upper
154 100
153 110.7 89.2 133.8
152 50.7 40.9 61.3

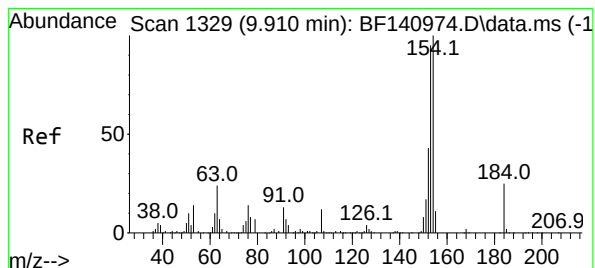
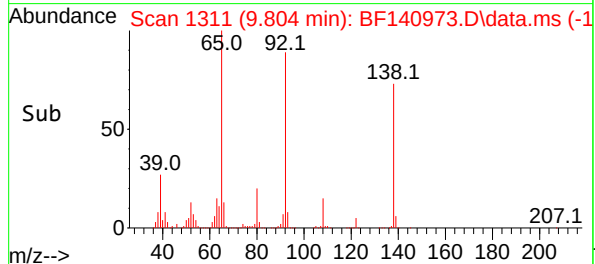
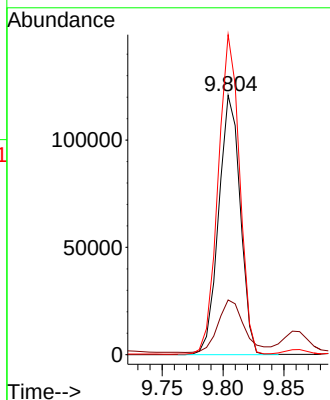
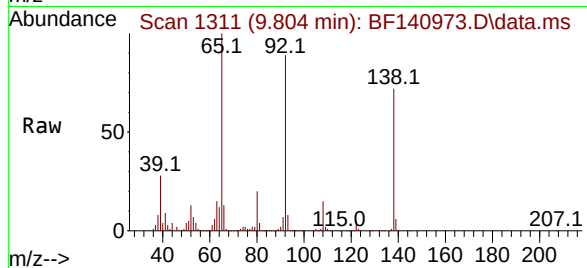




#53
3-Nitroaniline
Concen: 19.906 ng
RT: 9.804 min Scan# 111
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

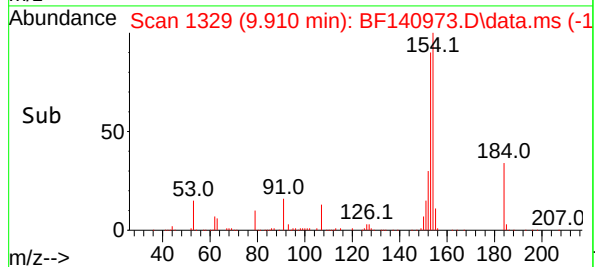
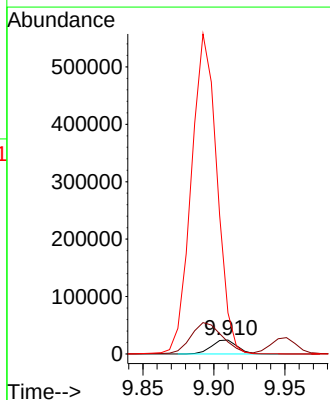
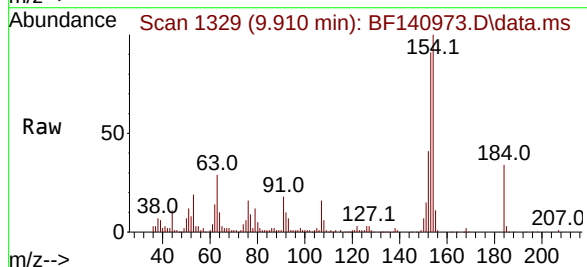
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

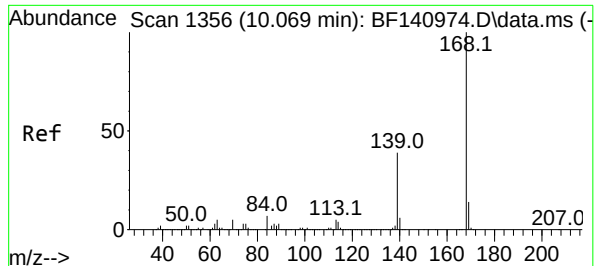
Tgt Ion:138 Resp: 149270
Ion Ratio Lower Upper
138 100
108 21.1 13.5 20.3#
92 123.4 97.7 146.5



#54
2,4-Dinitrophenol
Concen: 19.424 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:184 Resp: 30382
Ion Ratio Lower Upper
184 100
63 86.6 81.6 122.4
154 295.3 363.5 545.3#





#55

Dibenzenofuran

Concen: 21.463 ng

RT: 10.063 min Scan# 1356

Delta R.T. -0.006 min

Lab File: BF140973.D

Acq: 26 Dec 2024 17:41

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

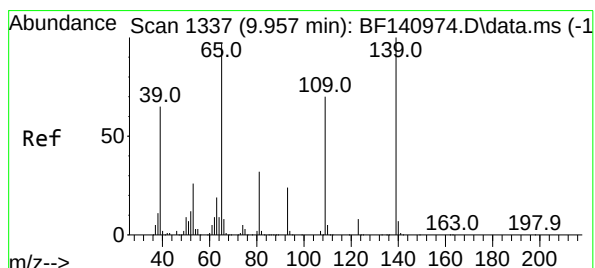
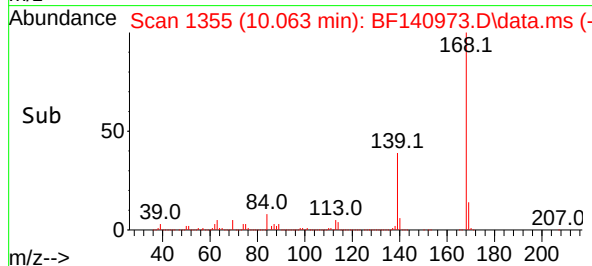
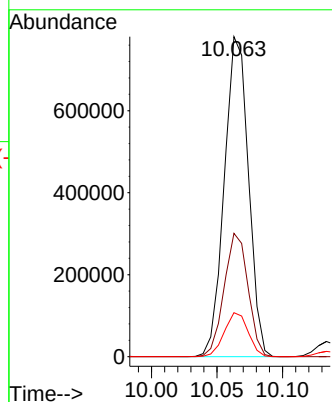
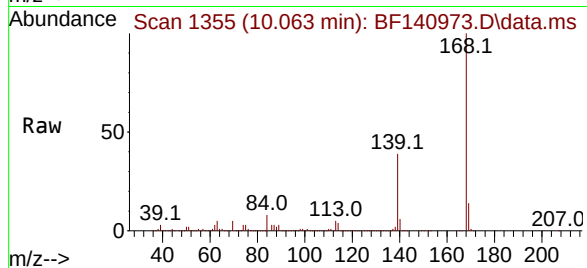
Tgt Ion:168 Resp: 999002

Ion Ratio Lower Upper

168 100

139 38.6 31.6 47.4

169 13.8 11.0 16.6



#56

4-Nitrophenol

Concen: 18.962 ng

RT: 9.951 min Scan# 1336

Delta R.T. -0.006 min

Lab File: BF140973.D

Acq: 26 Dec 2024 17:41

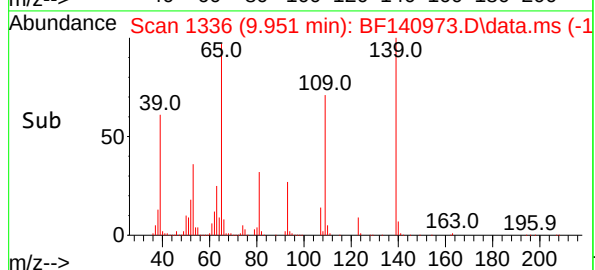
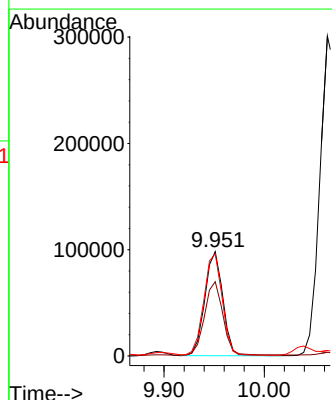
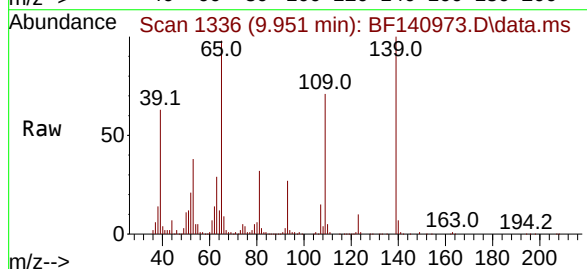
Tgt Ion:139 Resp: 122269

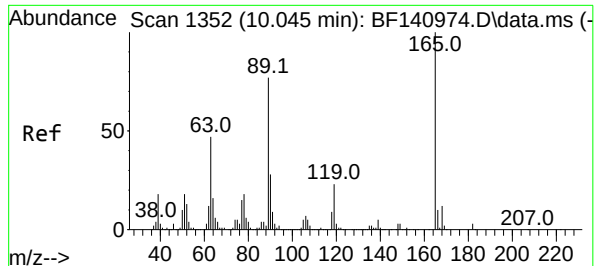
Ion Ratio Lower Upper

139 100

109 71.2 50.8 90.8

65 97.9 78.5 118.5

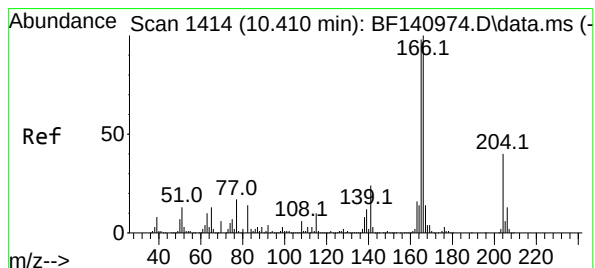
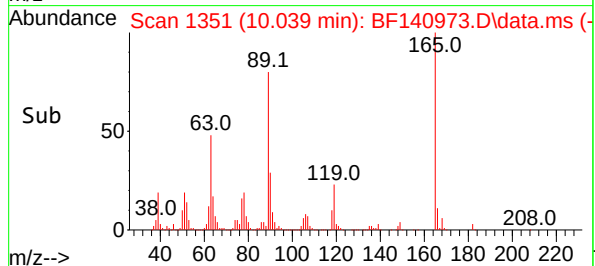
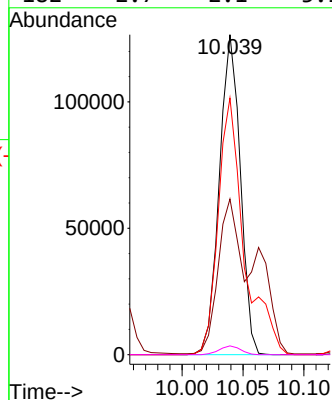
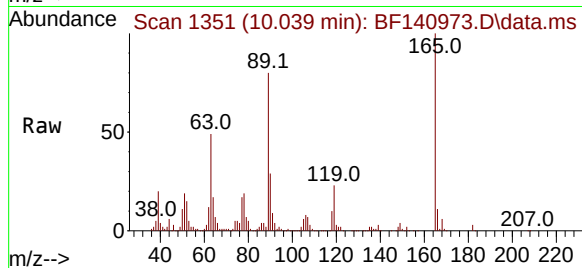




#57
2,4-Dinitrotoluene
Concen: 19.116 ng
RT: 10.039 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

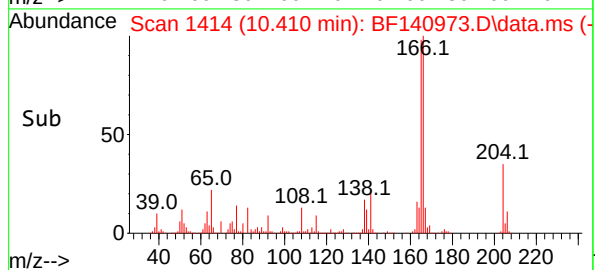
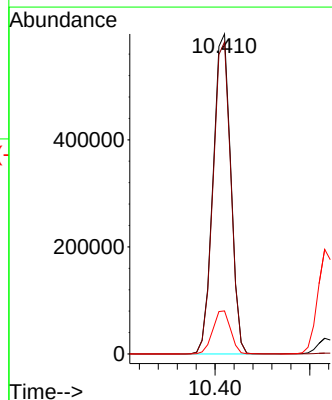
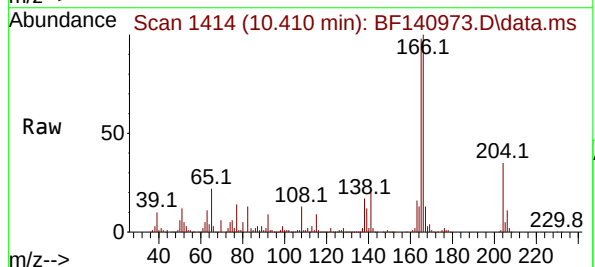
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

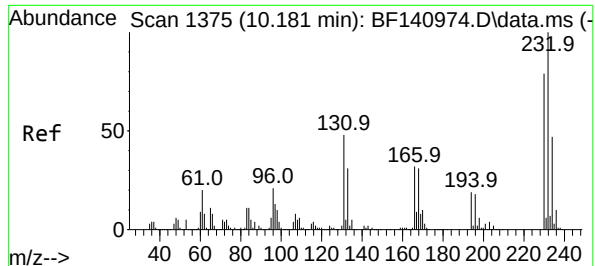
Tgt Ion:165 Resp: 151712
Ion Ratio Lower Upper
165 100
63 48.7 38.1 57.1
89 80.2 61.4 92.2
182 2.7 2.1 3.1



#58
Fluorene
Concen: 21.447 ng
RT: 10.410 min Scan# 1414
Delta R.T. -0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:166 Resp: 774090
Ion Ratio Lower Upper
166 100
165 97.5 78.3 117.5
167 13.5 10.9 16.3





#59

2,3,4,6-Tetrachlorophenol

Concen: 21.084 ng

RT: 10.180 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF140973.D

Acq: 26 Dec 2024 17:41

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:232 Resp: 187475

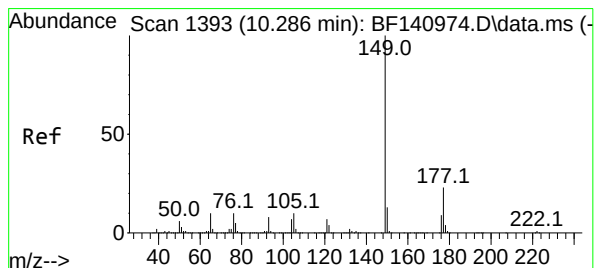
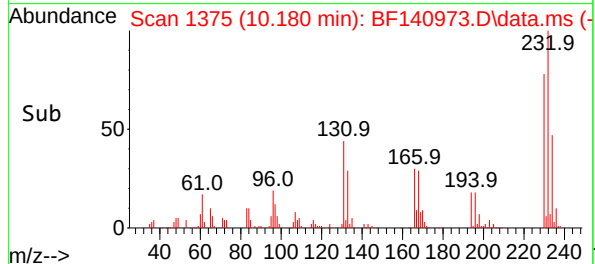
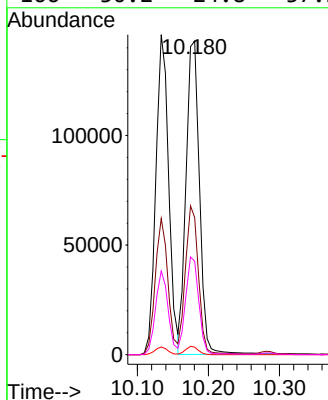
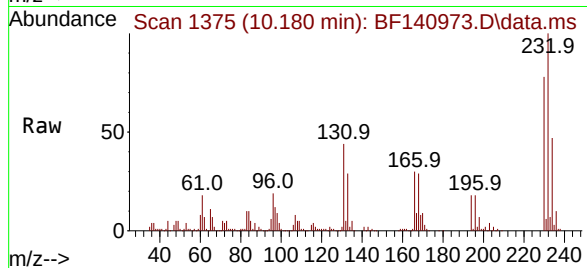
Ion Ratio Lower Upper

232 100

131 46.1 37.4 56.2

130 2.5 1.8 2.8

166 30.2 24.8 37.2



#60

Diethylphthalate

Concen: 21.089 ng

RT: 10.280 min Scan# 1392

Delta R.T. -0.006 min

Lab File: BF140973.D

Acq: 26 Dec 2024 17:41

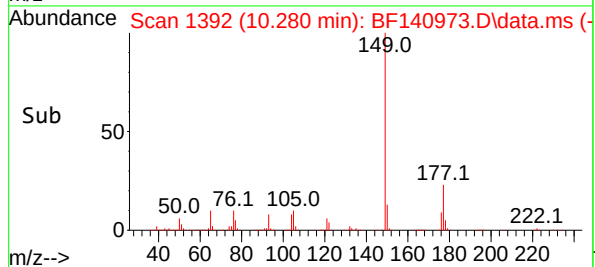
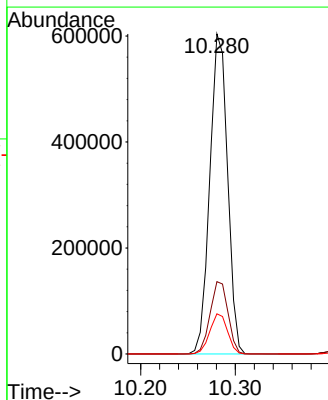
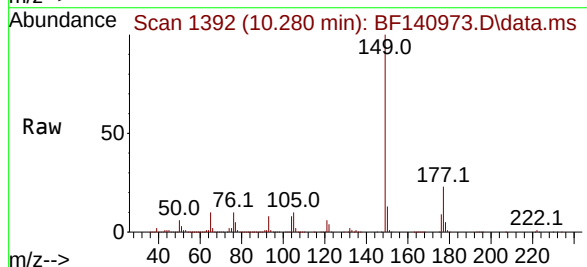
Tgt Ion:149 Resp: 784780

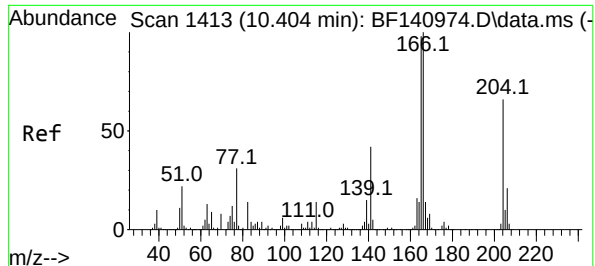
Ion Ratio Lower Upper

149 100

177 22.6 18.3 27.5

150 12.6 10.4 15.6

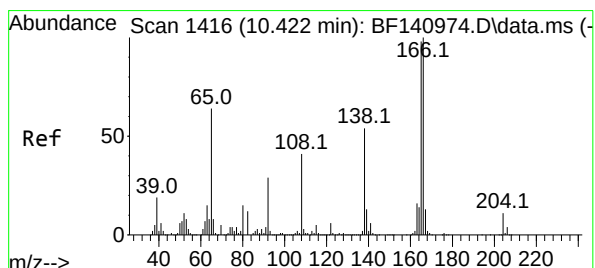
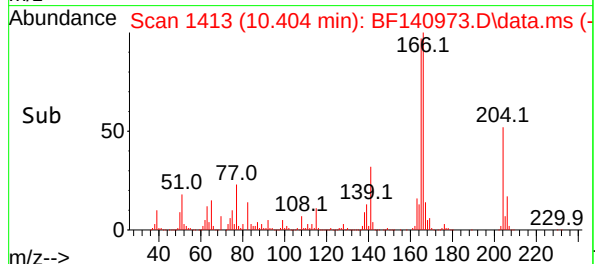
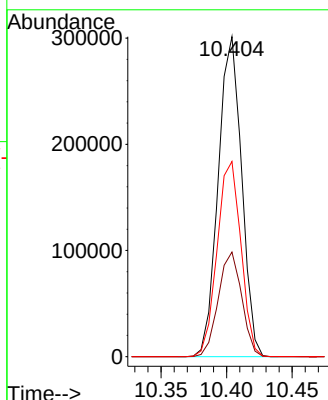
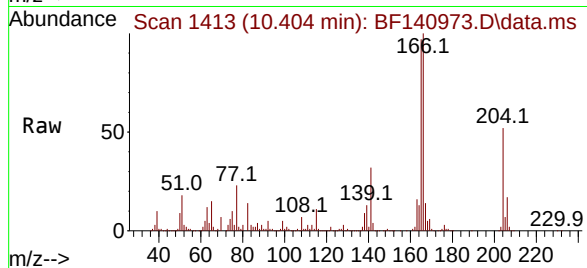




#61
4-Chlorophenyl-phenylether
Concen: 21.556 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

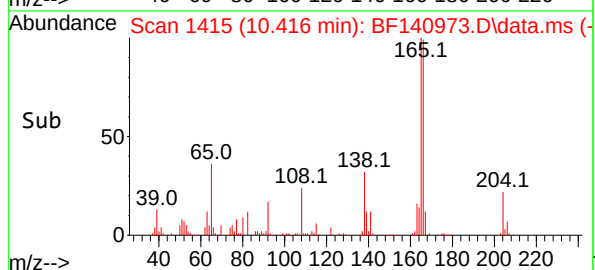
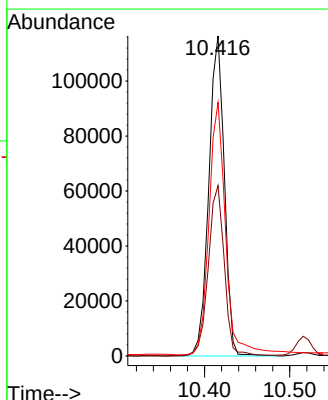
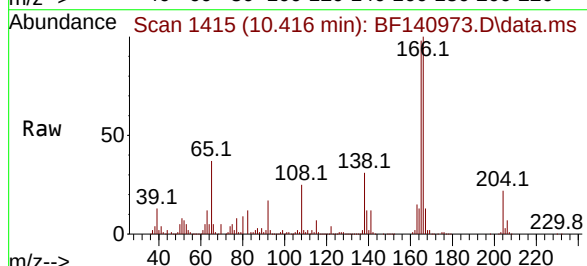
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

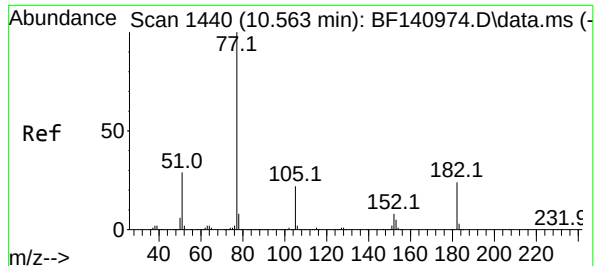
Tgt Ion:204 Resp: 374361
Ion Ratio Lower Upper
204 100
206 32.7 25.8 38.6
141 61.0 51.2 76.8



#62
4-Nitroaniline
Concen: 19.756 ng
RT: 10.416 min Scan# 1415
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:138 Resp: 147320
Ion Ratio Lower Upper
138 100
92 53.2 34.8 74.8
108 79.2 55.9 95.9

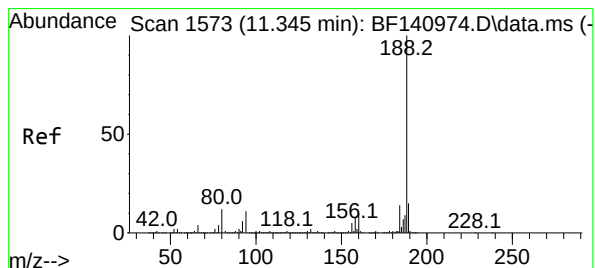
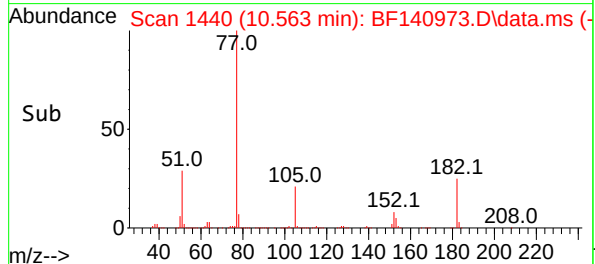
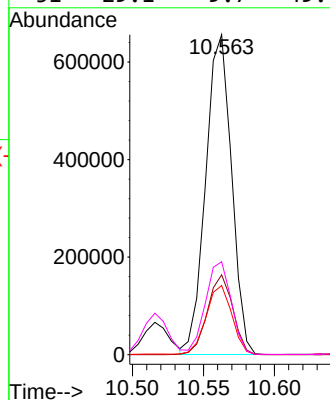
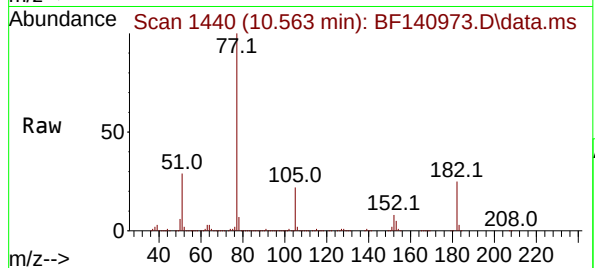




#63
Azobenzene
Concen: 21.240 ng
RT: 10.563 min Scan# 1440
Delta R.T. -0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

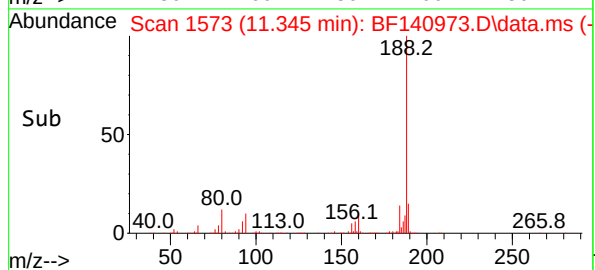
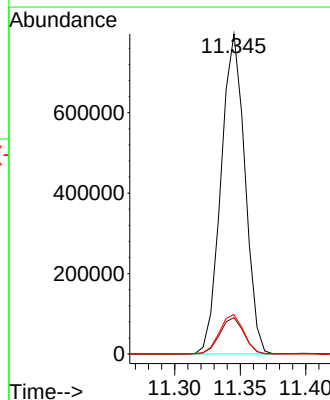
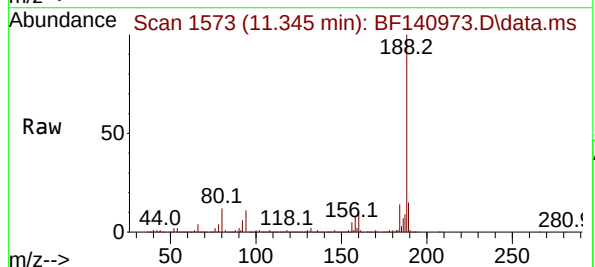
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

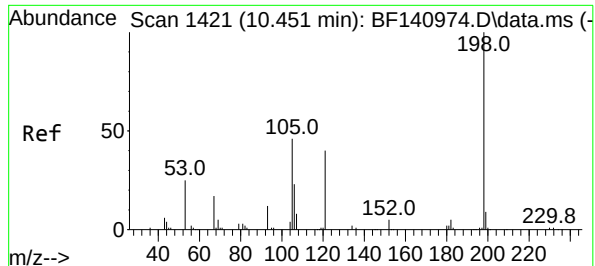
Tgt Ion: 77 Resp: 829641
Ion Ratio Lower Upper
77 100
182 24.9 4.1 44.1
105 21.6 1.8 41.8
51 29.1 9.7 49.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1573
Delta R.T. -0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion: 188 Resp: 1007534
Ion Ratio Lower Upper
188 100
94 11.3 9.0 13.6
80 12.3 9.8 14.6

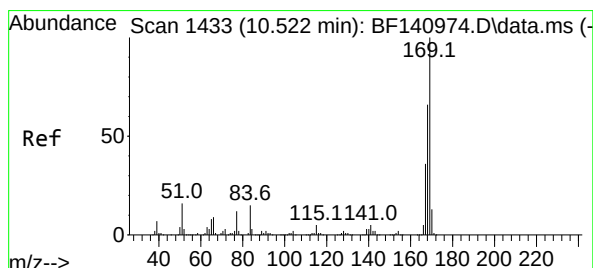
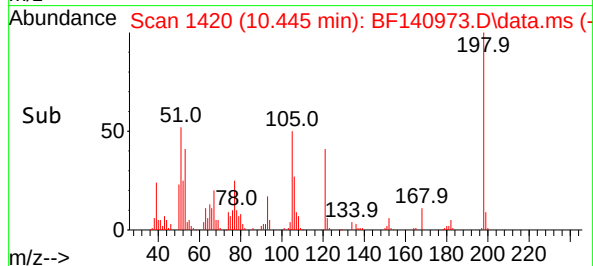
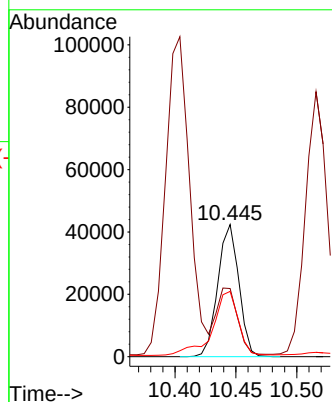
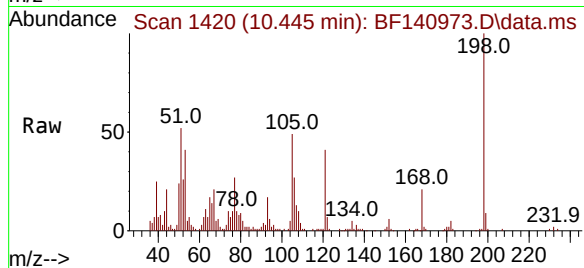




#65
4,6-Dinitro-2-methylphenol
Concen: 19.580 ng
RT: 10.445 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

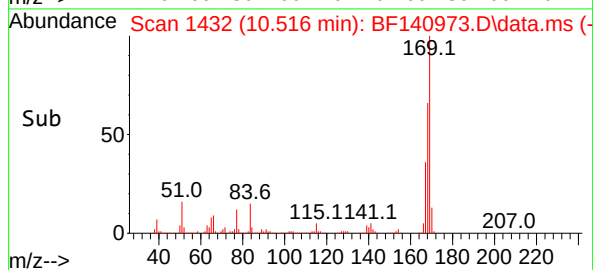
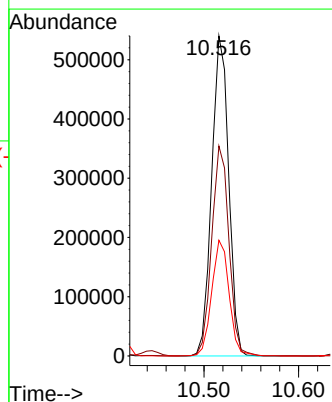
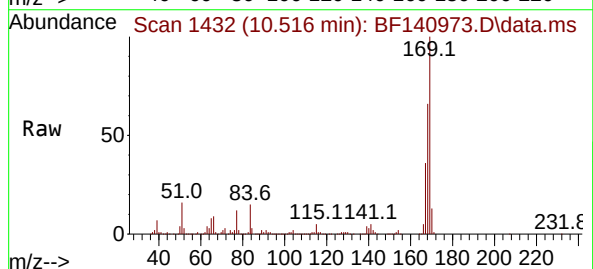
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

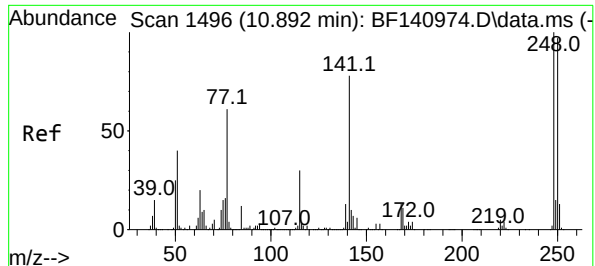
Tgt Ion	Ratio	Lower	Upper
198	100		
51	51.6	32.3	72.3
105	49.4	28.4	68.4



#66
n-Nitrosodiphenylamine
Concen: 21.221 ng
RT: 10.516 min Scan# 1432
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion	Ratio	Lower	Upper
169	100		
168	65.6	52.6	79.0
167	36.2	29.0	43.4

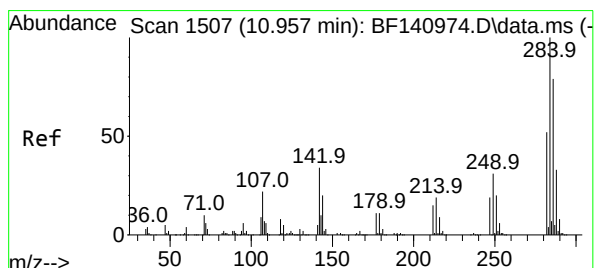
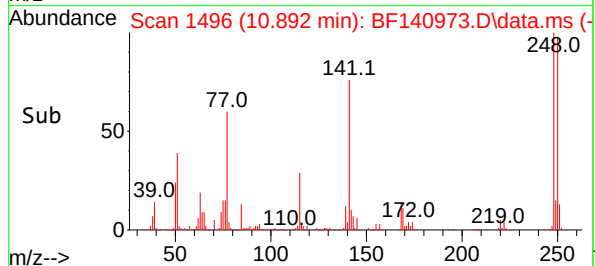
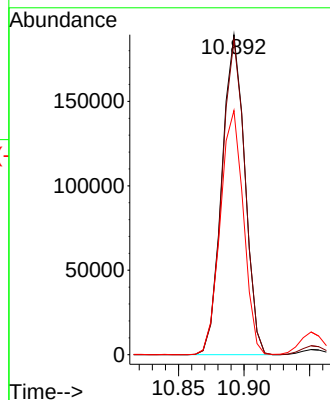
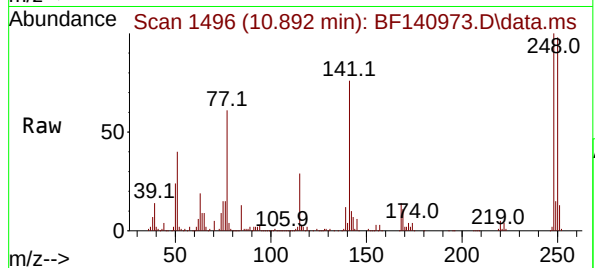




#67
4-Bromophenyl-phenylether
Concen: 21.137 ng
RT: 10.892 min Scan# 1496
Delta R.T. -0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

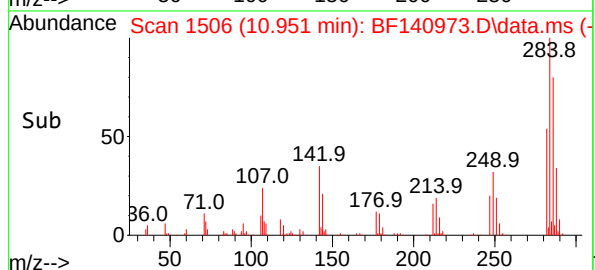
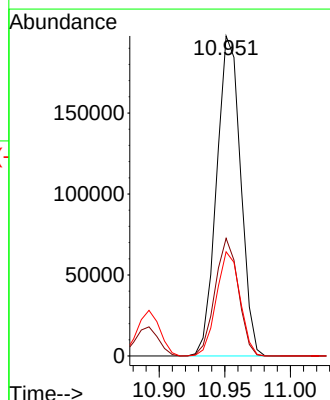
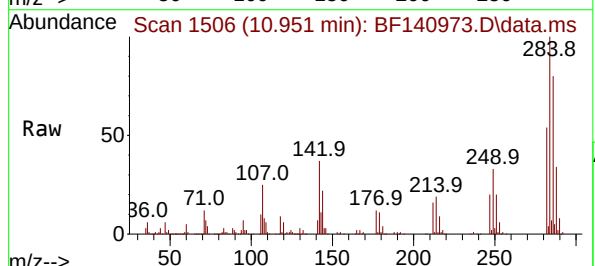
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

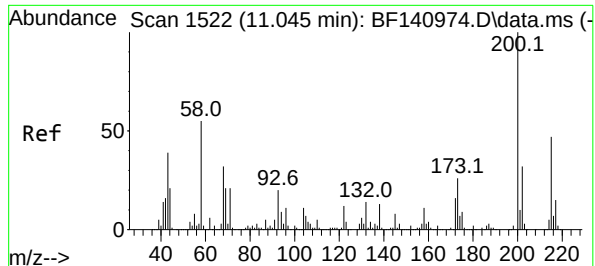
Tgt Ion:248 Resp: 230220
Ion Ratio Lower Upper
248 100
250 98.4 77.7 116.5
141 76.3 62.1 93.1



#68
Hexachlorobenzene
Concen: 20.861 ng
RT: 10.951 min Scan# 1506
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:284 Resp: 250540
Ion Ratio Lower Upper
284 100
142 36.8 27.1 40.7
249 32.6 25.1 37.7





#69

Atrazine

Concen: 21.443 ng

RT: 11.045 min Scan# 1522

Delta R.T. 0.000 min

Lab File: BF140973.D

Acq: 26 Dec 2024 17:41

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

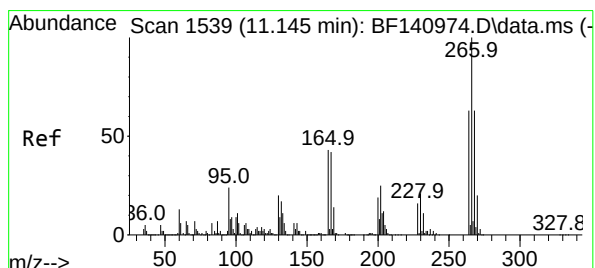
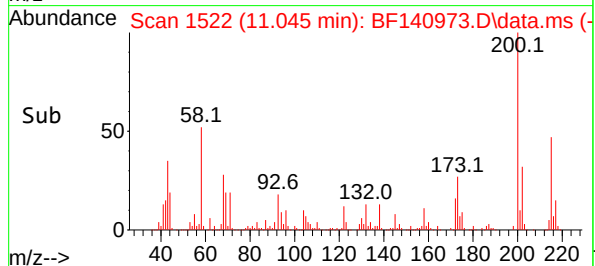
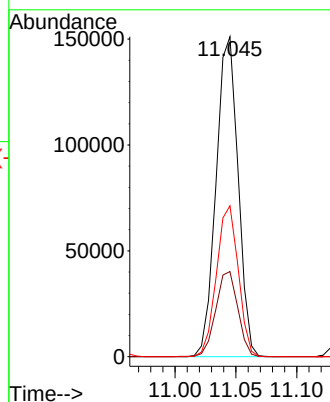
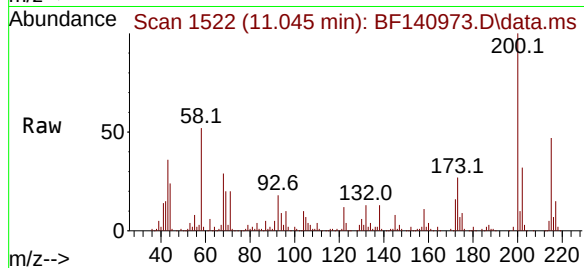
Tgt Ion:200 Resp: 190058

Ion Ratio Lower Upper

200 100

173 26.6 6.4 46.4

215 47.2 27.2 67.2



#70

Pentachlorophenol

Concen: 20.736 ng

RT: 11.145 min Scan# 1539

Delta R.T. 0.000 min

Lab File: BF140973.D

Acq: 26 Dec 2024 17:41

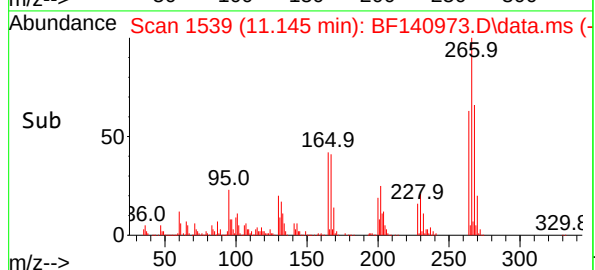
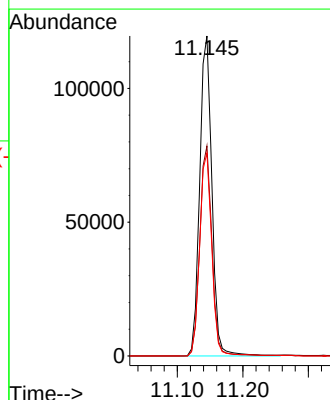
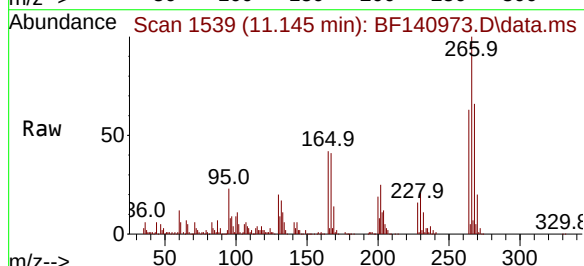
Tgt Ion:266 Resp: 155053

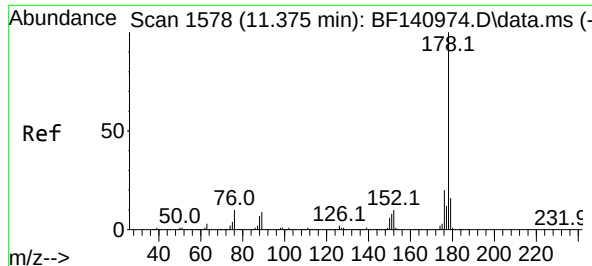
Ion Ratio Lower Upper

266 100

268 65.6 50.5 75.7

264 63.4 50.2 75.4

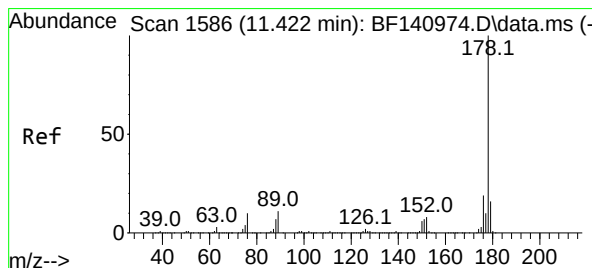
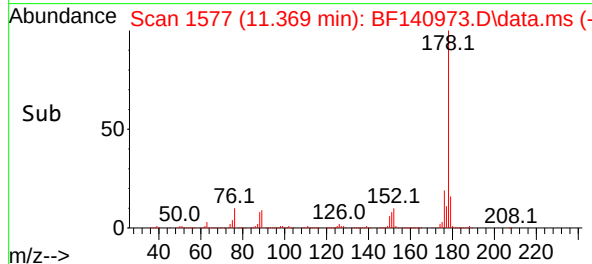
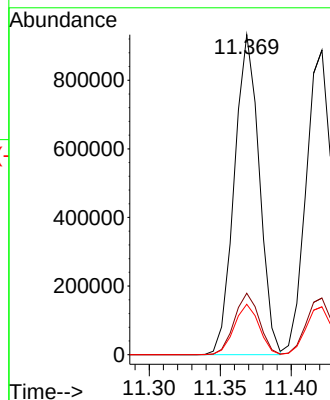
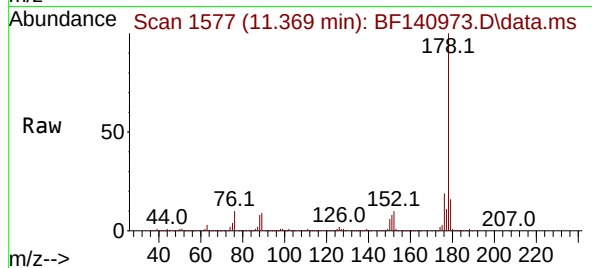




#71
Phenanthrene
Concen: 21.443 ng
RT: 11.369 min Scan# 1137057
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

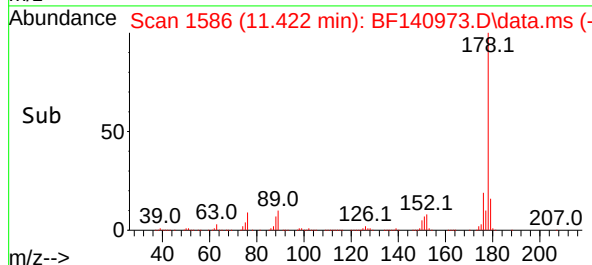
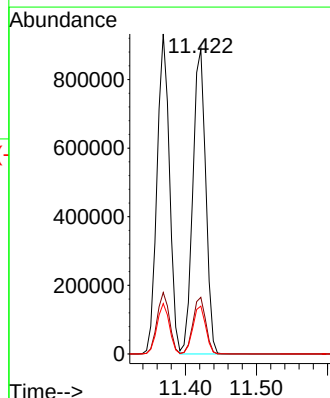
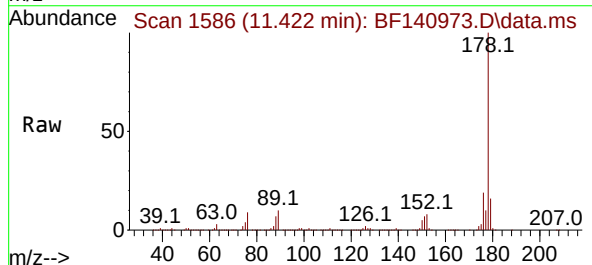
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

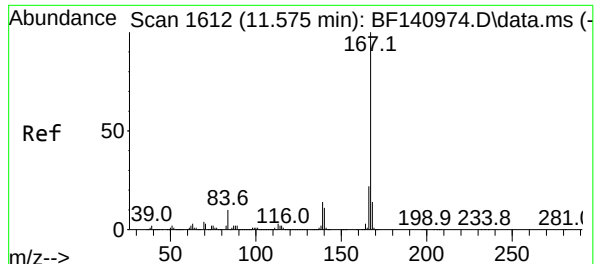
Tgt Ion:178 Resp: 1137057
Ion Ratio Lower Upper
178 100
176 19.2 15.8 23.6
179 15.7 12.6 19.0



#72
Anthracene
Concen: 21.582 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:178 Resp: 1121403
Ion Ratio Lower Upper
178 100
176 18.6 15.3 22.9
179 15.7 12.9 19.3

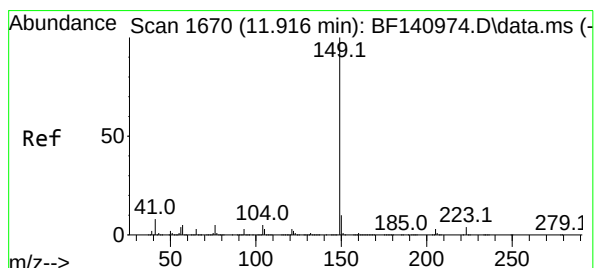
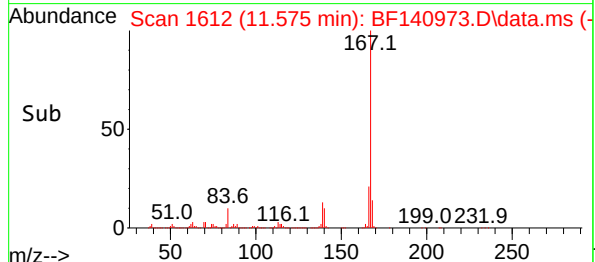
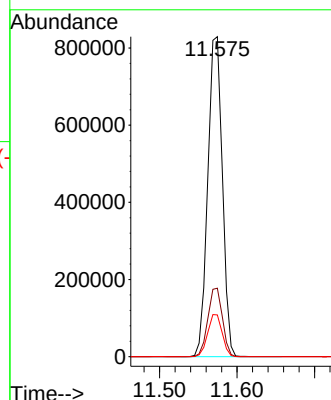
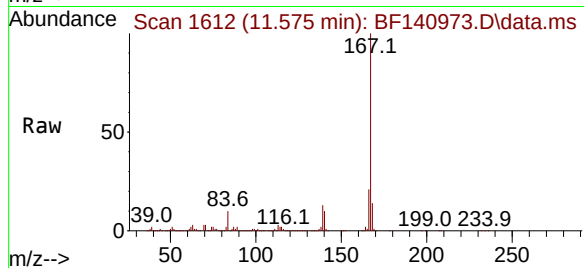




#73
Carbazole
Concen: 21.699 ng
RT: 11.575 min Scan# 1612
Delta R.T. -0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

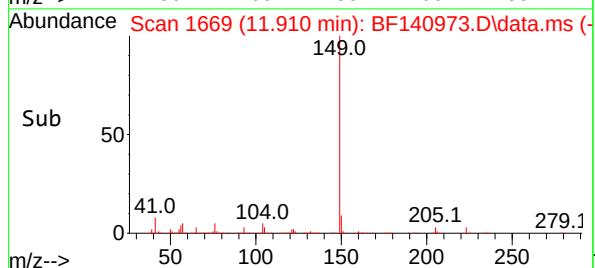
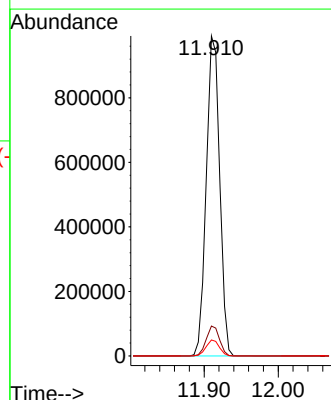
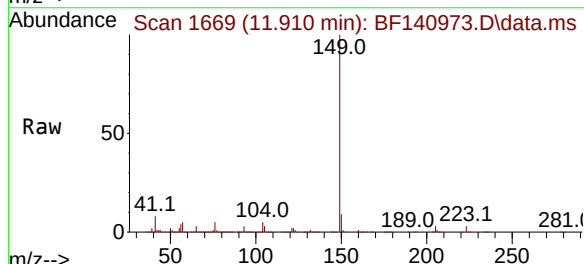
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

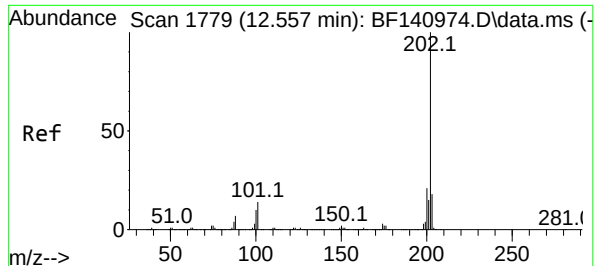
Tgt Ion:167 Resp: 1083881
Ion Ratio Lower Upper
167 100
166 21.4 17.5 26.3
139 13.0 11.0 16.4



#74
Di-n-butylphthalate
Concen: 21.931 ng
RT: 11.910 min Scan# 1669
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:149 Resp: 1245979
Ion Ratio Lower Upper
149 100
150 9.4 7.7 11.5
104 5.0 4.1 6.1

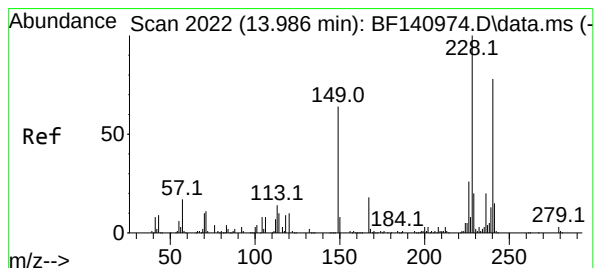
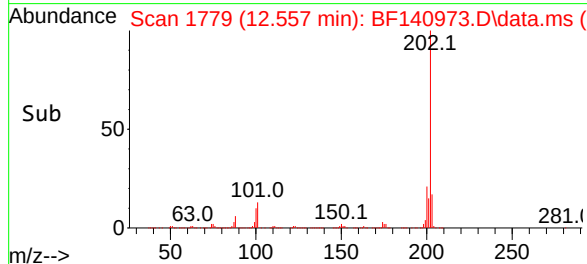
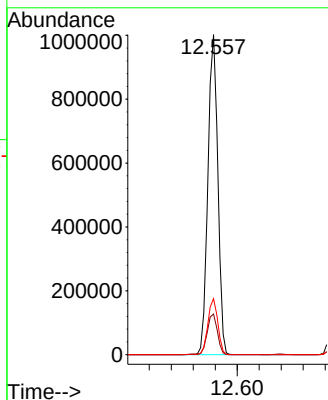
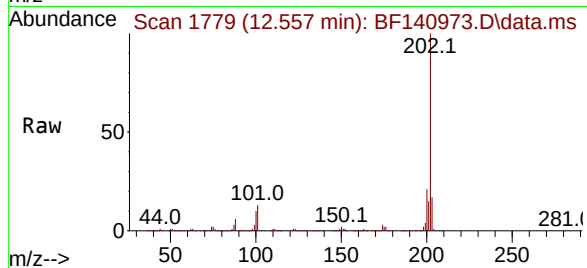




#75
Fluoranthene
Concen: 21.767 ng
RT: 12.557 min Scan# 1779
Delta R.T. -0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

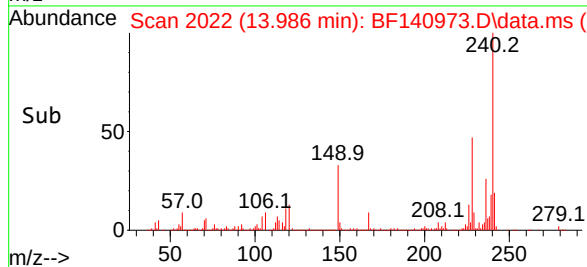
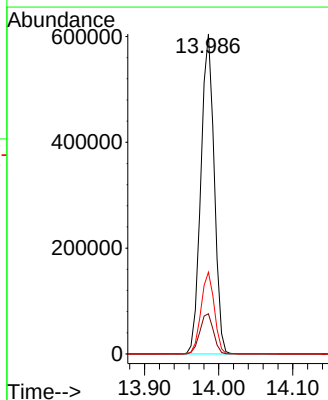
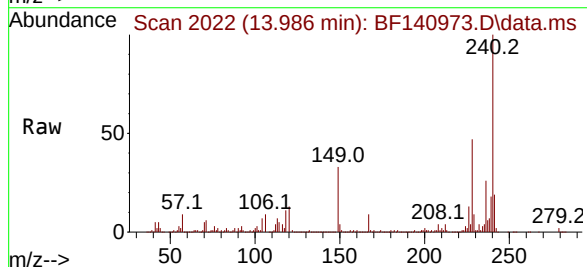
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

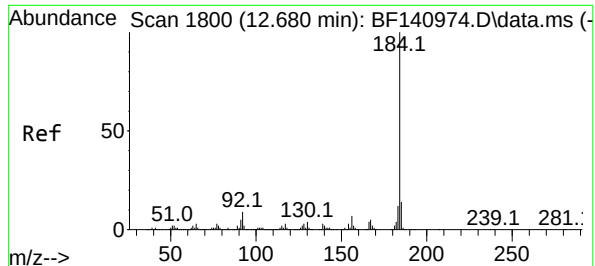
Tgt Ion:202 Resp: 1251854
Ion Ratio Lower Upper
202 100
101 12.7 0.0 33.7
203 17.5 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:240 Resp: 755829
Ion Ratio Lower Upper
240 100
120 12.6 10.7 16.1
236 25.6 20.6 31.0





#77

Benzidine

Concen: 20.685 ng

RT: 12.680 min Scan# 1800

Delta R.T. 0.000 min

Lab File: BF140973.D

Acq: 26 Dec 2024 17:41

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

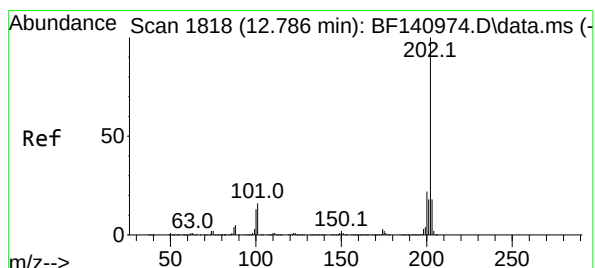
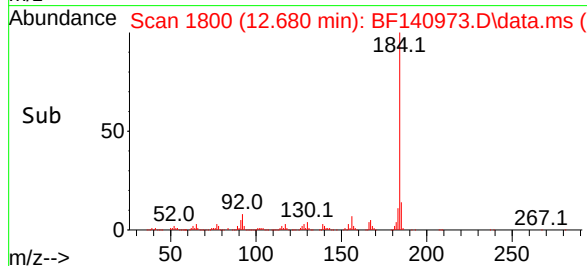
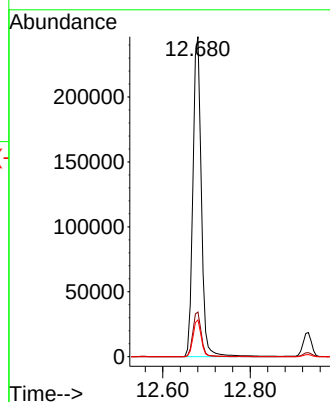
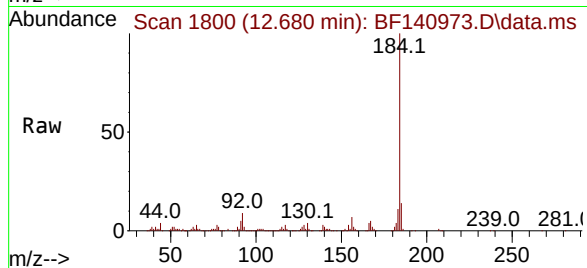
Tgt Ion:184 Resp: 330414

Ion Ratio Lower Upper

184 100

185 14.0 11.4 17.2

183 11.5 9.4 14.0



#78

Pyrene

Concen: 19.452 ng

RT: 12.786 min Scan# 1818

Delta R.T. -0.000 min

Lab File: BF140973.D

Acq: 26 Dec 2024 17:41

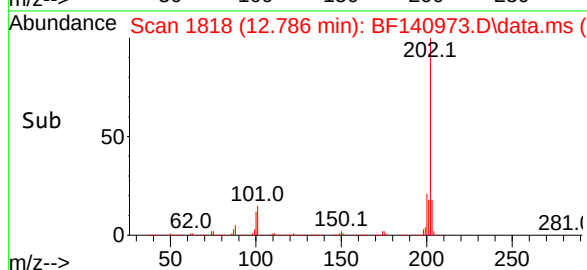
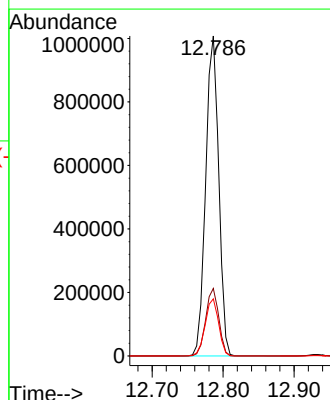
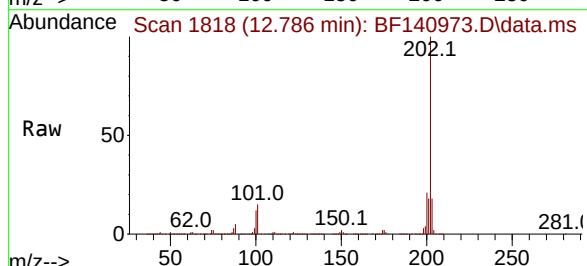
Tgt Ion:202 Resp: 1285846

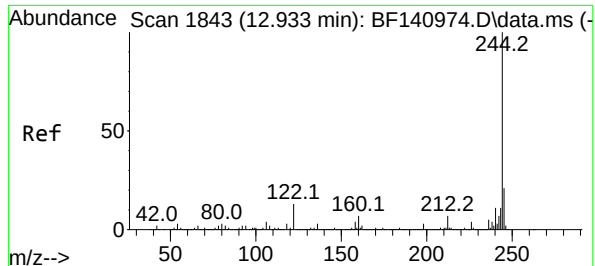
Ion Ratio Lower Upper

202 100

200 21.1 17.3 25.9

203 17.9 14.6 21.8





#79

Terphenyl-d14

Concen: 39.463 ng

RT: 12.933 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF140973.D

Acq: 26 Dec 2024 17:41

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

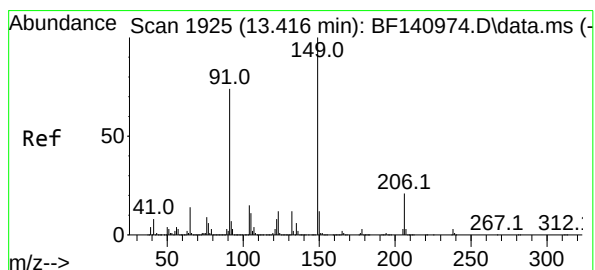
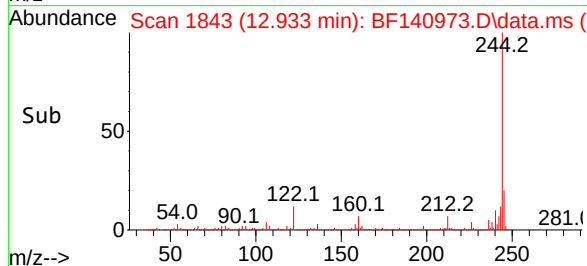
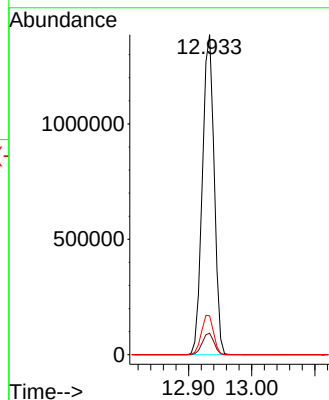
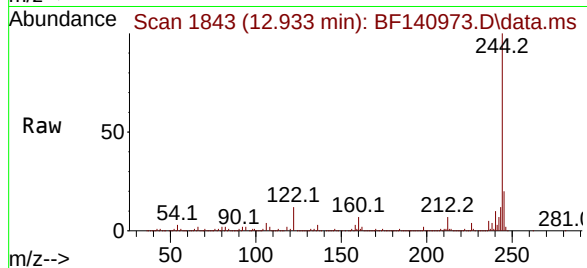
Tgt Ion:244 Resp: 1795750

Ion Ratio Lower Upper

244 100

212 6.7 5.7 8.5

122 12.2 10.2 15.2



#80

Butylbenzylphthalate

Concen: 20.036 ng

RT: 13.410 min Scan# 1924

Delta R.T. -0.006 min

Lab File: BF140973.D

Acq: 26 Dec 2024 17:41

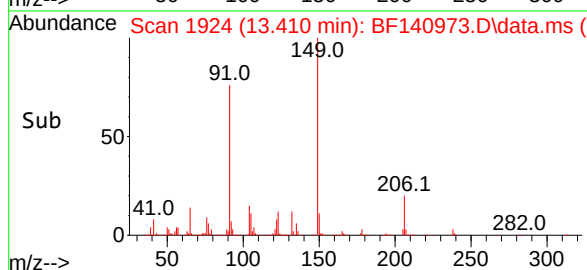
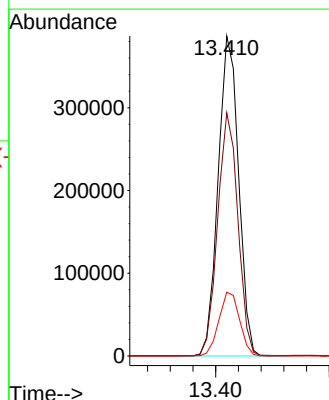
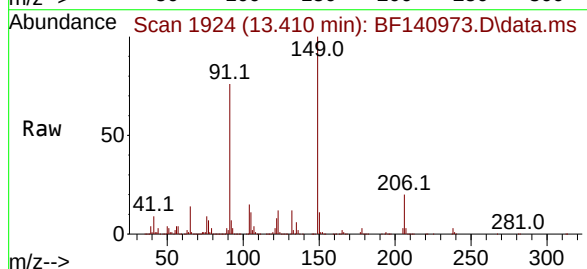
Tgt Ion:149 Resp: 483615

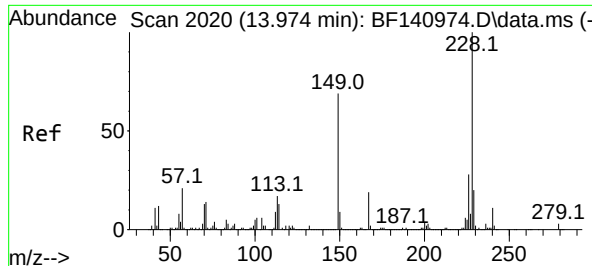
Ion Ratio Lower Upper

149 100

91 76.0 59.5 89.3

206 19.9 17.1 25.7

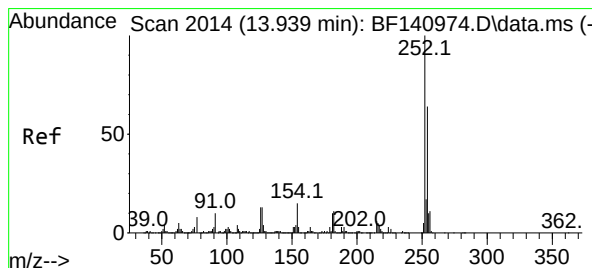
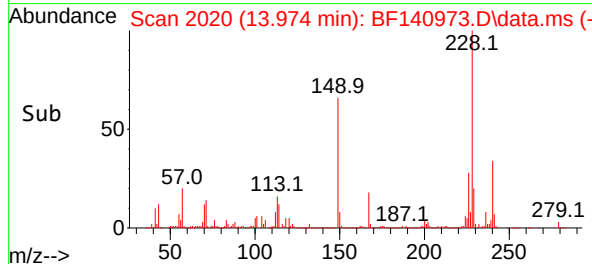
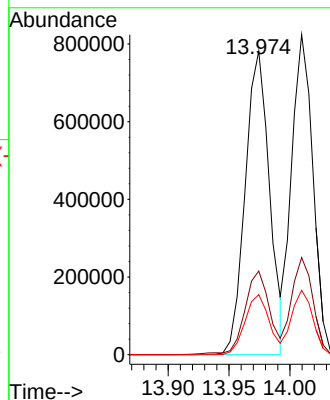
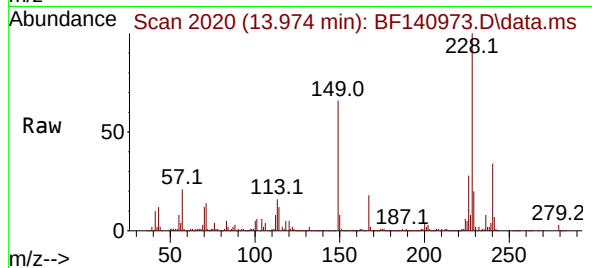




#81
Benzo(a)anthracene
Concen: 20.620 ng
RT: 13.974 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

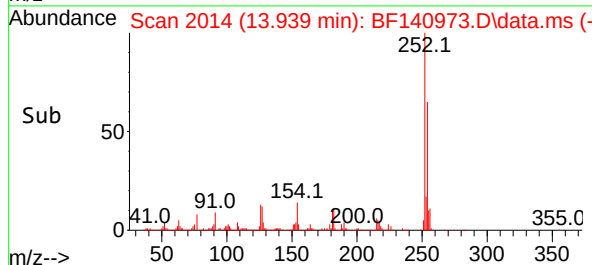
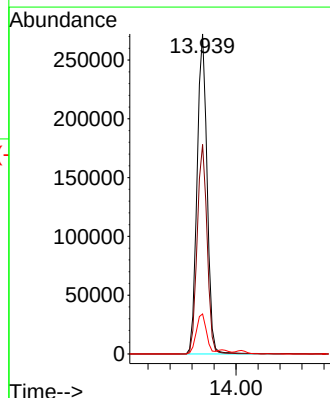
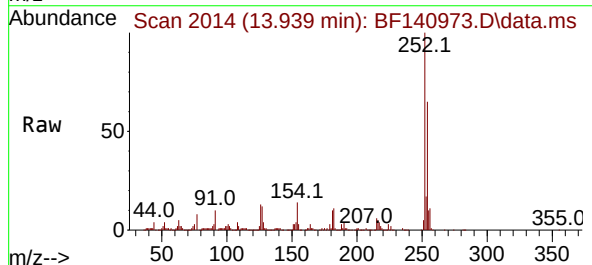
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

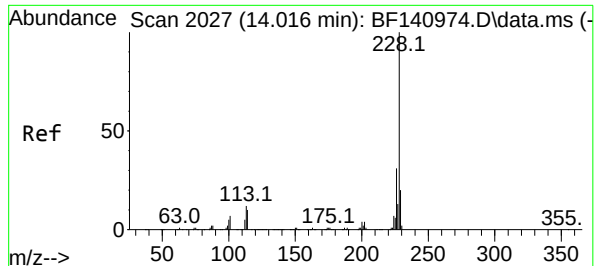
Tgt Ion:228 Resp: 1086206
Ion Ratio Lower Upper
228 100
226 27.6 22.1 33.1
229 19.8 16.2 24.2



#82
3,3'-Dichlorobenzidine
Concen: 21.722 ng
RT: 13.939 min Scan# 2014
Delta R.T. -0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:252 Resp: 343789
Ion Ratio Lower Upper
252 100
254 65.5 51.5 77.3
126 12.5 10.3 15.5





#83

Chrysene

Concen: 21.114 ng

RT: 14.010 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF140973.D

Acq: 26 Dec 2024 17:41

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

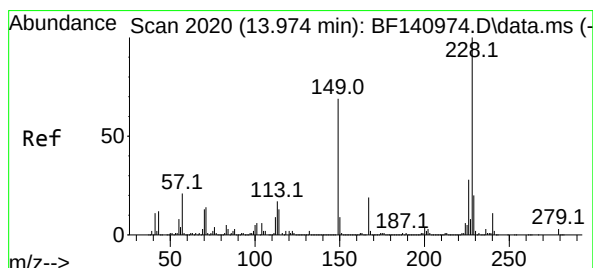
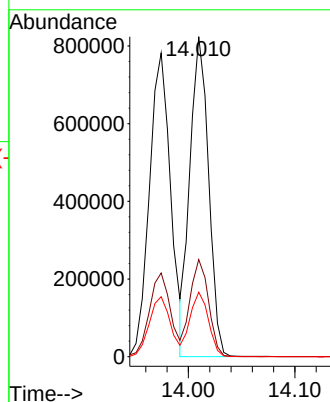
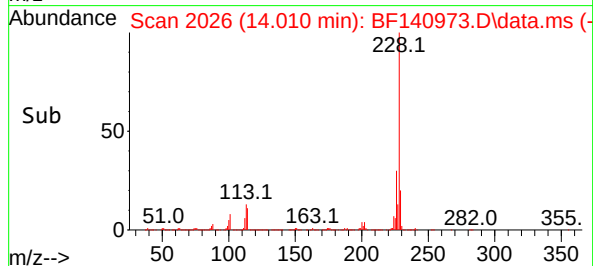
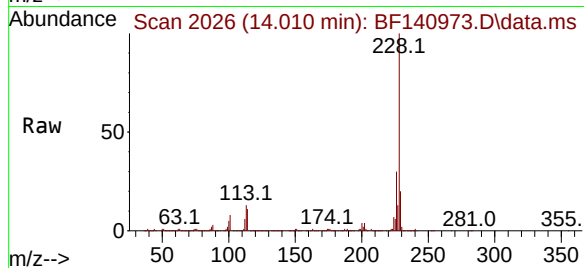
Tgt Ion:228 Resp: 1002629

Ion Ratio Lower Upper

228 100

226 30.4 24.5 36.7

229 20.1 16.2 24.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 20.731 ng

RT: 13.974 min Scan# 2020

Delta R.T. 0.000 min

Lab File: BF140973.D

Acq: 26 Dec 2024 17:41

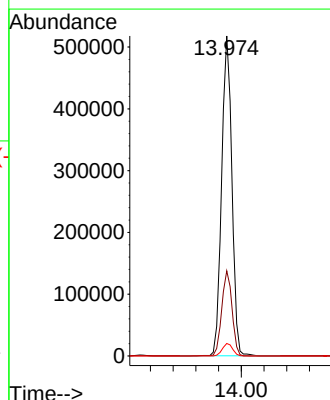
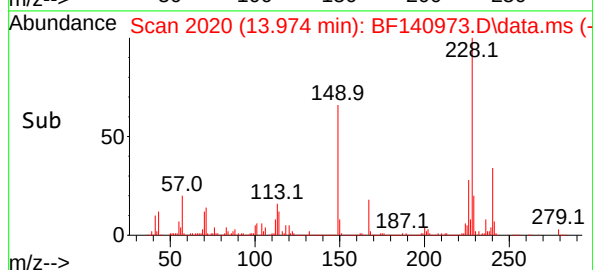
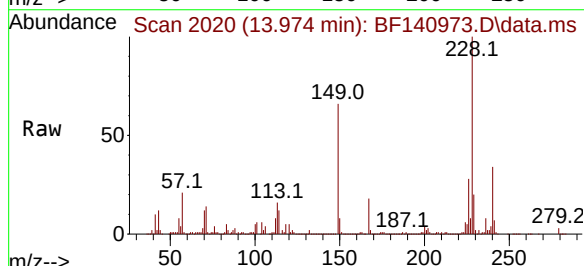
Tgt Ion:149 Resp: 649103

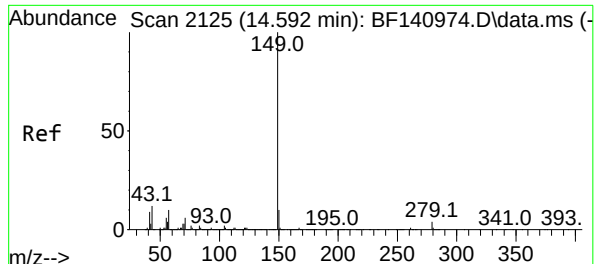
Ion Ratio Lower Upper

149 100

167 26.6 21.6 32.4

279 3.9 3.2 4.8

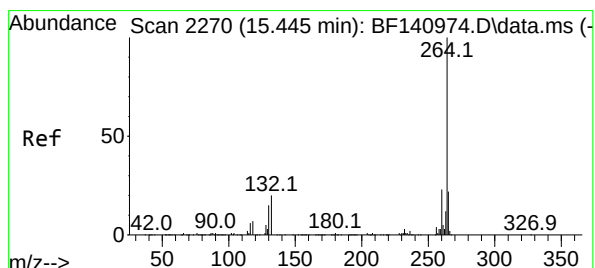
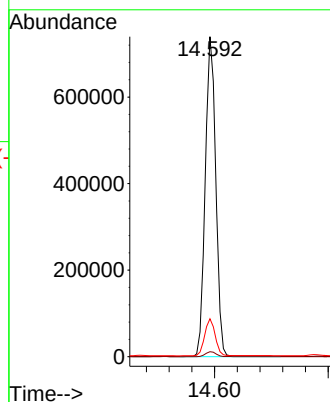
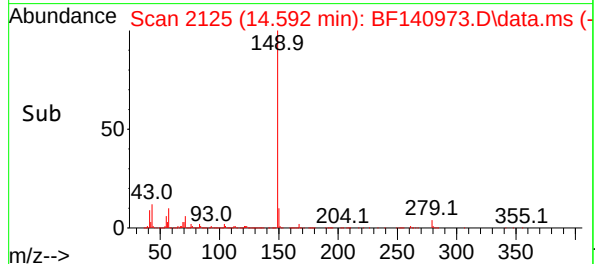
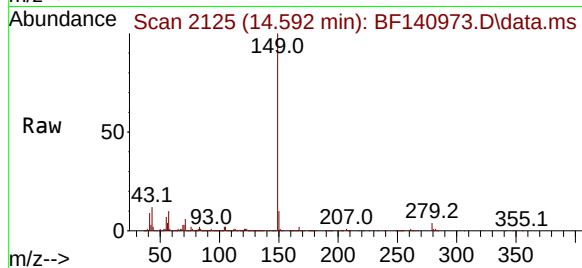




#85
Di-n-octyl phthalate
Concen: 20.891 ng
RT: 14.592 min Scan# 2125
Delta R.T. -0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

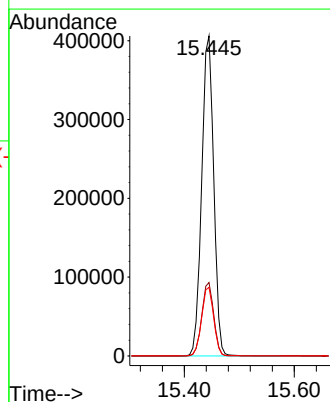
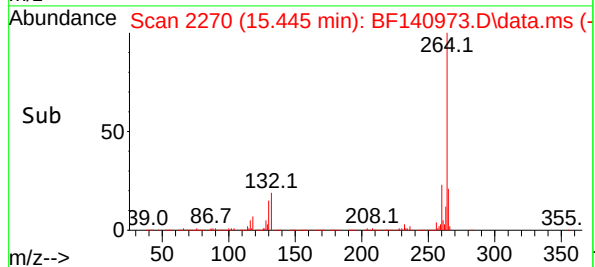
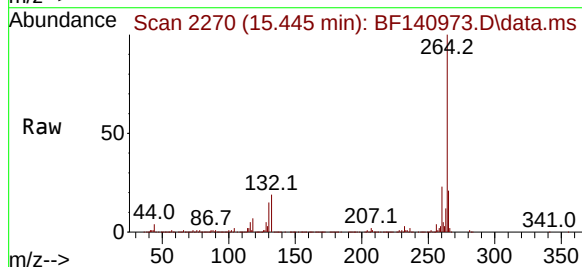
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

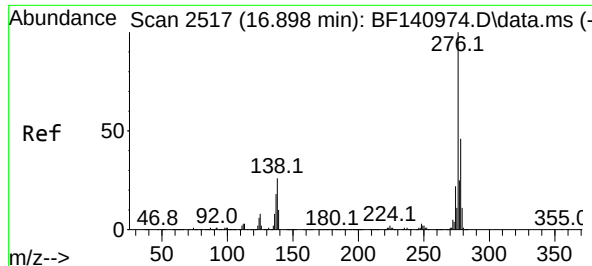
Tgt Ion:149 Resp: 946713
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 11.6 9.3 13.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 2270
Delta R.T. -0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:264 Resp: 616760
Ion Ratio Lower Upper
264 100
260 23.0 18.7 28.1
265 21.5 17.4 26.2

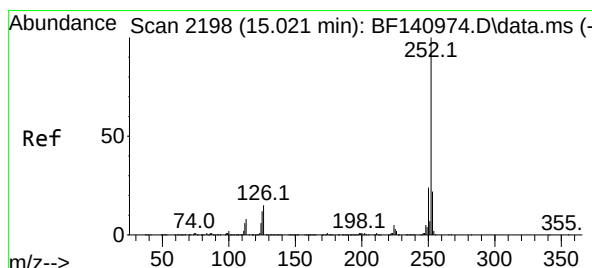
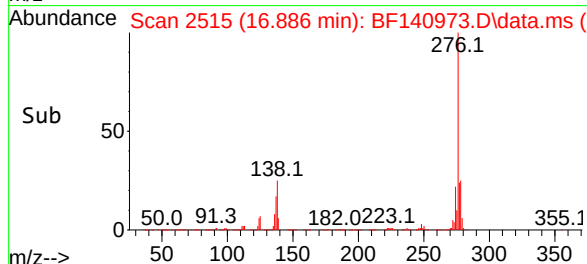
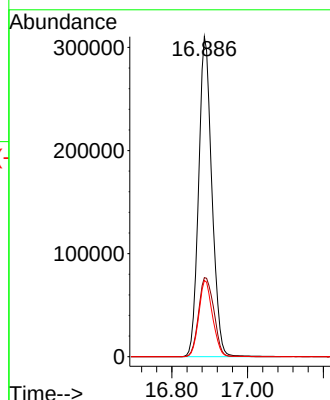
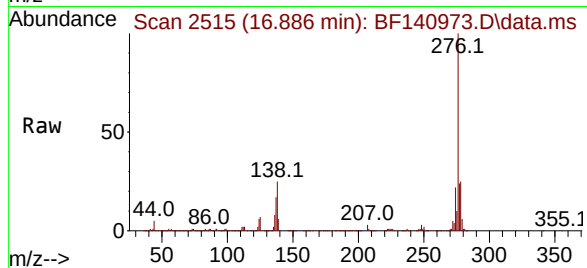




#87
Indeno(1,2,3-cd)pyrene
Concen: 19.433 ng
RT: 16.886 min Scan# 2151
Delta R.T. -0.012 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

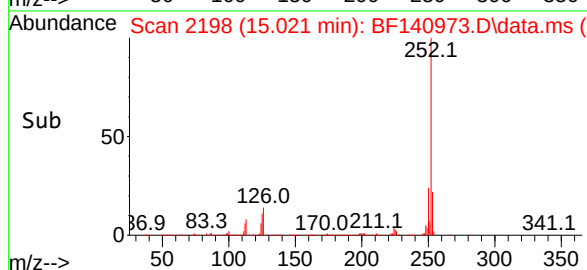
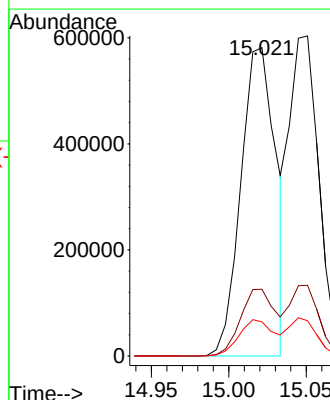
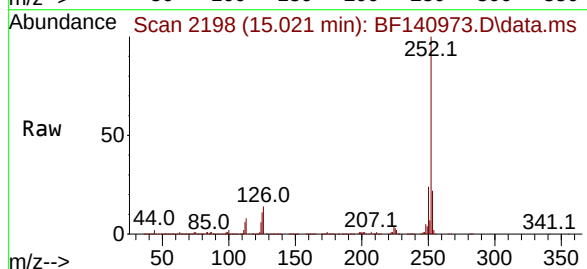
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

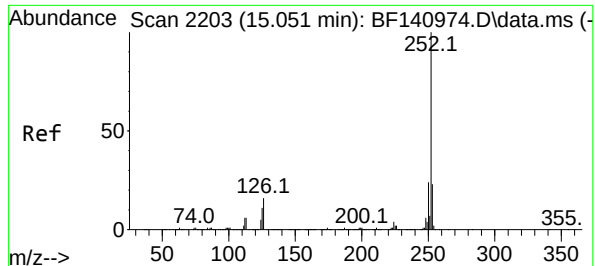
Tgt Ion:276 Resp: 755113
Ion Ratio Lower Upper
276 100
138 28.5 23.1 34.7
277 24.8 20.4 30.6



#88
Benzo(b)fluoranthene
Concen: 21.208 ng
RT: 15.021 min Scan# 2198
Delta R.T. -0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:252 Resp: 912288
Ion Ratio Lower Upper
252 100
253 21.6 17.7 26.5
125 11.1 9.3 13.9





#89

Benzo(k)fluoranthene

Concen: 23.796 ng

RT: 15.051 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF140973.D

Acq: 26 Dec 2024 17:41

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

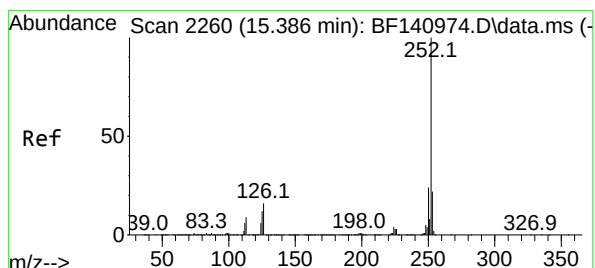
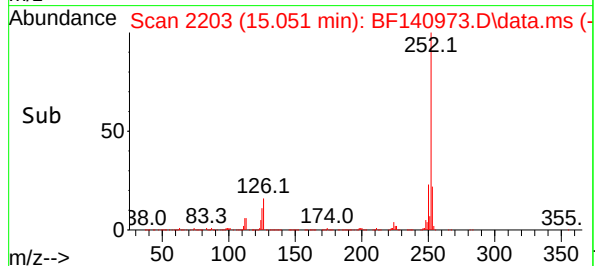
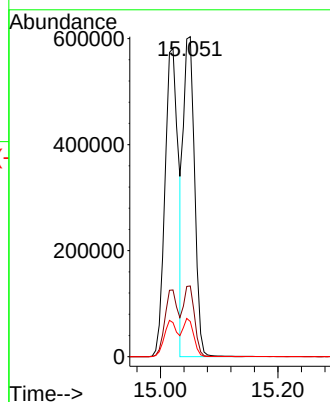
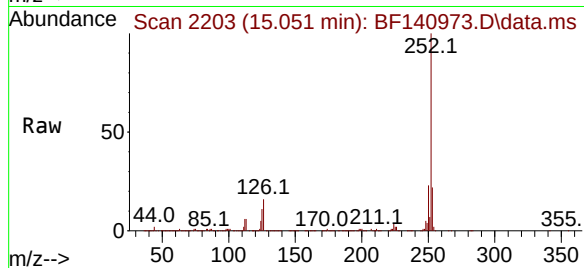
Tgt Ion:252 Resp: 802261

Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.8

125 11.0 9.4 14.0



#90

Benzo(a)pyrene

Concen: 20.998 ng

RT: 15.380 min Scan# 2259

Delta R.T. -0.006 min

Lab File: BF140973.D

Acq: 26 Dec 2024 17:41

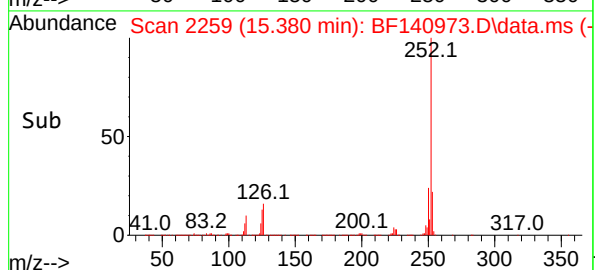
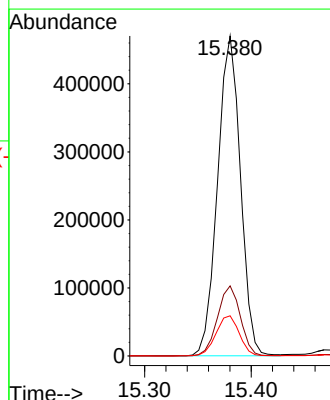
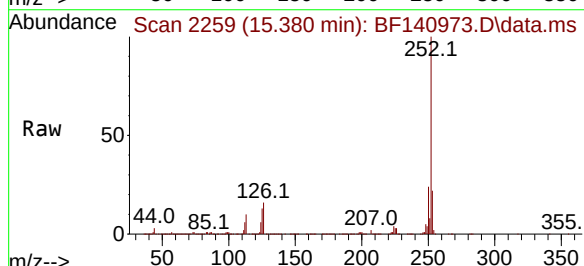
Tgt Ion:252 Resp: 701080

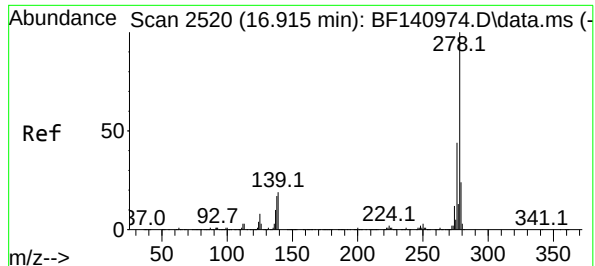
Ion Ratio Lower Upper

252 100

253 21.9 17.2 25.8

125 12.6 9.8 14.8





#91

Dibenzo(a,h)anthracene

Concen: 19.424 ng

RT: 16.909 min Scan# 2519

Delta R.T. -0.006 min

Lab File: BF140973.D

Acq: 26 Dec 2024 17:41

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

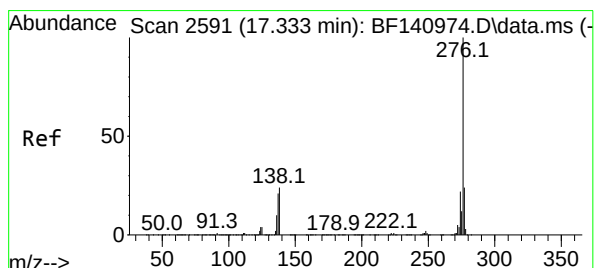
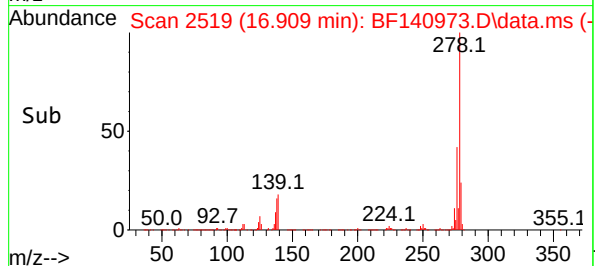
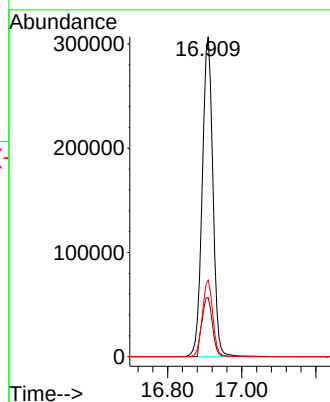
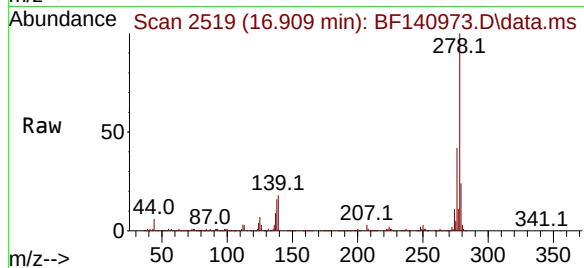
Tgt Ion:278 Resp: 611811

Ion Ratio Lower Upper

278 100

139 18.5 14.9 22.3

279 24.0 19.0 28.6



#92

Benzo(g,h,i)perylene

Concen: 19.314 ng

RT: 17.321 min Scan# 2589

Delta R.T. -0.012 min

Lab File: BF140973.D

Acq: 26 Dec 2024 17:41

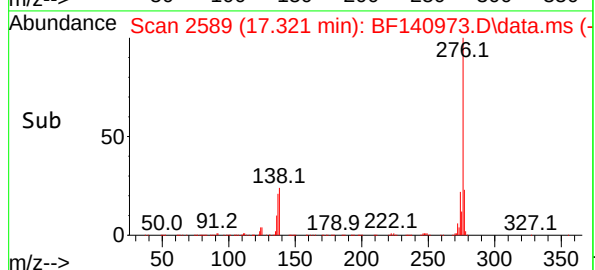
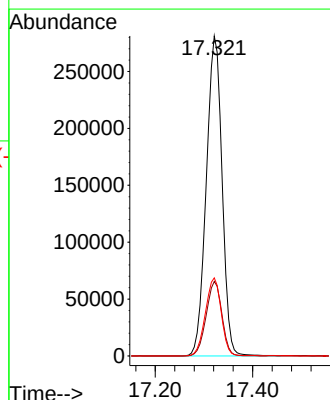
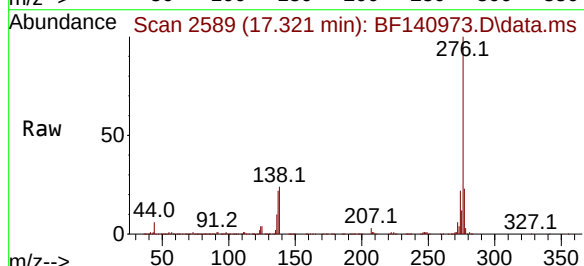
Tgt Ion:276 Resp: 630980

Ion Ratio Lower Upper

276 100

277 23.3 19.0 28.4

138 24.4 19.4 29.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
 Data File : BF140974.D
 Acq On : 26 Dec 2024 18:06
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICCC040

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/27/2024
 Supervised By :mohammad ahmed 12/27/2024

Quant Time: Dec 27 00:22:04 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 27 00:11:18 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	264114	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	1047016	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	555398	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	980435	20.000	ng	0.00
76) Chrysene-d12	13.986	240	652144	20.000	ng	0.00
86) Perylene-d12	15.445	264	531798	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1365623	77.940	ng	0.00
7) Phenol-d6	6.451	99	1760717	78.007	ng	0.00
23) Nitrobenzene-d5	7.392	82	1367946	83.588	ng	0.00
42) 2,4,6-Tribromophenol	10.651	330	435705	80.733	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	2610026	74.872	ng	0.00
79) Terphenyl-d14	12.933	244	2976692	75.816	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.552	88	315557	39.780	ng	100
3) Pyridine	3.293	79	759262	39.166	ng	100
4) n-Nitrosodimethylamine	3.240	42	393459	40.058	ng	100
6) Aniline	6.510	93	853180m	42.382	ng	
8) 2-Chlorophenol	6.610	128	732249	39.639	ng	100
9) Benzaldehyde	6.375	77	454816	41.536	ng	100
10) Phenol	6.463	94	921228	39.471	ng	100
11) bis(2-Chloroethyl)ether	6.563	93	719951	38.239	ng	100
12) 1,3-Dichlorobenzene	6.769	146	800536	39.267	ng	100
13) 1,4-Dichlorobenzene	6.845	146	801219	38.985	ng	100
14) 1,2-Dichlorobenzene	6.998	146	748204	39.046	ng	100
15) Benzyl Alcohol	6.969	79	647599	39.926	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.110	45	1115398	39.138	ng	100
17) 2-Methylphenol	7.075	107	608223	39.632	ng	100
18) Hexachloroethane	7.345	117	287289	39.351	ng	100
19) n-Nitroso-di-n-propyla...	7.245	70	532284	38.493	ng	100
20) 3+4-Methylphenols	7.228	107	766762	39.481	ng	100
22) Acetophenone	7.240	105	983828	38.304	ng	100
24) Nitrobenzene	7.410	77	767486	41.970	ng	100
25) Isophorone	7.651	82	1374822	38.606	ng	100
26) 2-Nitrophenol	7.728	139	266201	36.900	ng	100
27) 2,4-Dimethylphenol	7.757	122	505676	38.853	ng	100
28) bis(2-Chloroethoxy)met...	7.863	93	869568	38.540	ng	100
29) 2,4-Dichlorophenol	7.963	162	582167	39.440	ng	100
30) 1,2,4-Trichlorobenzene	8.051	180	654033	39.147	ng	100
31) Naphthalene	8.134	128	2136130	38.718	ng	100
32) Benzoic acid	7.863	122	372684	36.912	ng	100
33) 4-Chloroaniline	8.181	127	768068	38.482	ng	100
34) Hexachlorobutadiene	8.251	225	380095	38.591	ng	100
35) Caprolactam	8.545	113	197606m	39.375	ng	
36) 4-Chloro-3-methylphenol	8.651	107	646441	39.434	ng	100
37) 2-Methylnaphthalene	8.822	142	1343941	38.077	ng	100
38) 1-Methylnaphthalene	8.922	142	1330393	38.354	ng	100
40) 1,2,4,5-Tetrachloroben...	8.986	216	594643	38.917	ng	100
41) Hexachlorocyclopentadiene	8.975	237	207209	40.922	ng	100
43) 2,4,6-Trichlorophenol	9.092	196	404147	39.741	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
 Data File : BF140974.D
 Acq On : 26 Dec 2024 18:06
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICCC040

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/27/2024
 Supervised By :mohammad ahmed 12/27/2024

Quant Time: Dec 27 00:22:04 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 27 00:11:18 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.128	196	422062	40.562	ng	100
46) 1,1'-Biphenyl	9.286	154	1643157	38.638	ng	100
47) 2-Chloronaphthalene	9.310	162	1266026	38.385	ng	100
48) 2-Nitroaniline	9.398	65	319958	38.138	ng	100
49) Acenaphthylene	9.722	152	1837752	38.706	ng	100
50) Dimethylphthalate	9.586	163	1427475	39.074	ng	100
51) 2,6-Dinitrotoluene	9.645	165	283992	38.871	ng	100
52) Acenaphthene	9.898	154	1243394	38.737	ng	100
53) 3-Nitroaniline	9.810	138	312579	39.221	ng	100
54) 2,4-Dinitrophenol	9.910	184	79893	37.853	ng	100
55) Dibenzofuran	10.069	168	1738272	38.535	ng	100
56) 4-Nitrophenol	9.957	139	254611	40.744	ng	100
57) 2,4-Dinitrotoluene	10.045	165	344129	38.708	ng	100
58) Fluorene	10.410	166	1323793	37.844	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.181	232	348605	40.453	ng	100
60) Diethylphthalate	10.286	149	1406132	38.988	ng	100
61) 4-Chlorophenyl-phenyle...	10.404	204	642732	38.186	ng	100
62) 4-Nitroaniline	10.422	138	309322	38.897	ng	100
63) Azobenzene	10.563	77	1465453	38.712	ng	100
65) 4,6-Dinitro-2-methylph...	10.451	198	130378	36.204	ng	100
66) n-Nitrosodiphenylamine	10.522	169	1187207	38.454	ng	100
67) 4-Bromophenyl-phenylether	10.892	248	416835	39.329	ng	100
68) Hexachlorobenzene	10.957	284	454182	38.863	ng	100
69) Atrazine	11.045	200	306702	35.559	ng	100
70) Pentachlorophenol	11.145	266	304066	41.789	ng	100
71) Phenanthrene	11.375	178	1970080	38.179	ng	100
72) Anthracene	11.422	178	1943496	38.437	ng	100
73) Carbazole	11.575	167	1856207	38.188	ng	100
74) Di-n-butylphthalate	11.916	149	2124340	38.425	ng	100
75) Fluoranthene	12.557	202	2140117	38.240	ng	100
77) Benzidine	12.680	184	540933	39.248	ng	100
78) Pyrene	12.786	202	2206885	38.693	ng	100
80) Butylbenzylphthalate	13.416	149	856154	41.109	ng	100
81) Benzo(a)anthracene	13.974	228	1786080	39.297	ng	100
82) 3,3'-Dichlorobenzidine	13.939	252	524994	38.446	ng	100
83) Chrysene	14.016	228	1574996	38.441	ng	100
84) Bis(2-ethylhexyl)phtha...	13.974	149	1069992	39.607	ng	100
85) Di-n-octyl phthalate	14.592	149	1563317	39.982	ng	100
87) Indeno(1,2,3-cd)pyrene	16.898	276	1394102	41.609	ng	100
88) Benzo(b)fluoranthene	15.021	252	1506798	40.626	ng	100
89) Benzo(k)fluoranthene	15.051	252	1133027	38.976	ng	100
90) Benzo(a)pyrene	15.386	252	1136531	39.479	ng	100
91) Dibenzo(a,h)anthracene	16.915	278	1137962	41.900	ng	100
92) Benzo(g,h,i)perylene	17.333	276	1197853	42.524	ng	100

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

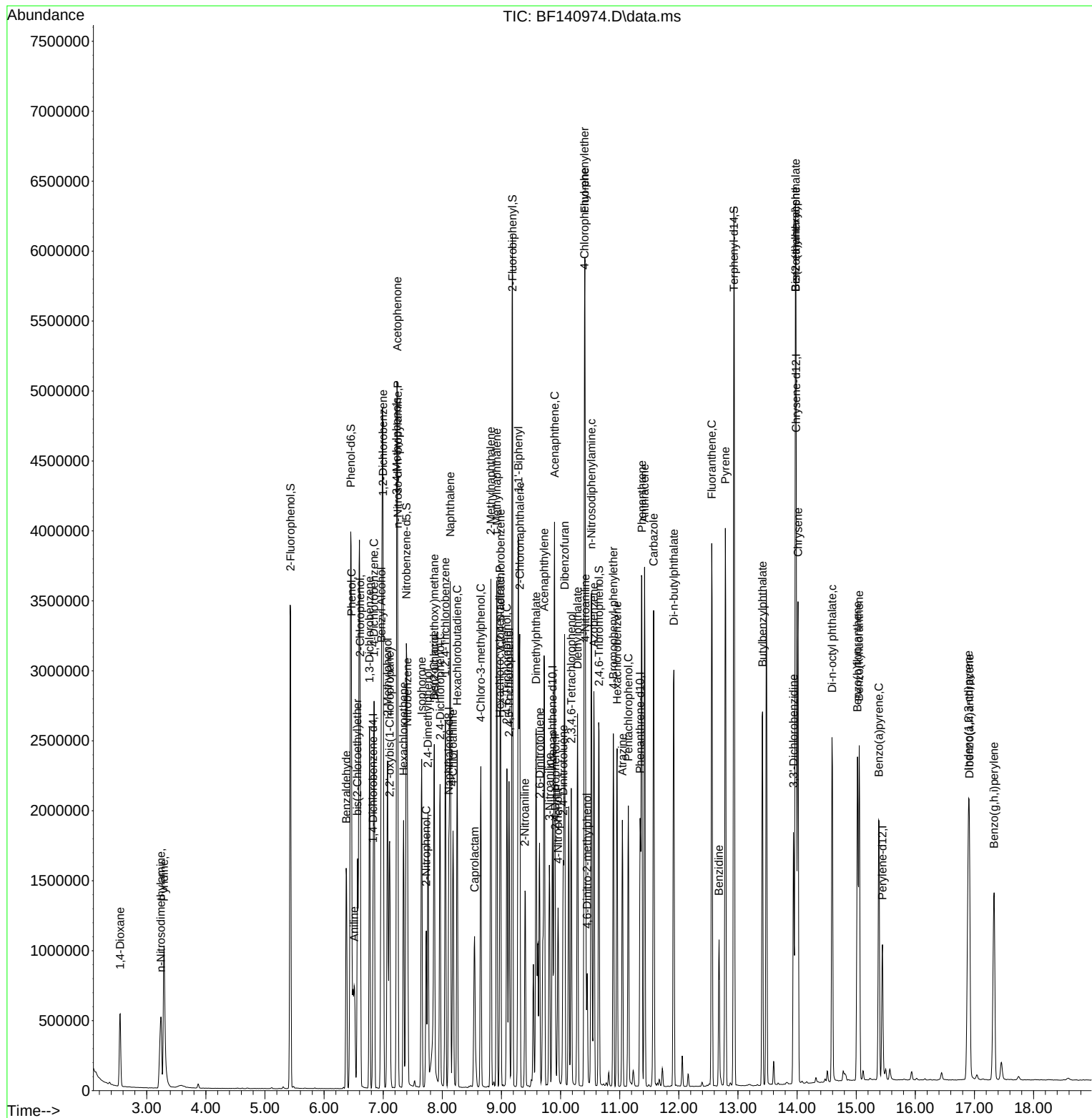
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140974.D
Acq On : 26 Dec 2024 18:06
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

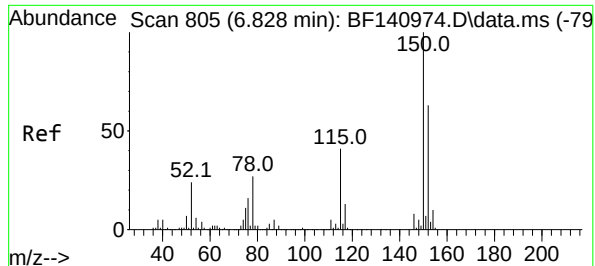
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

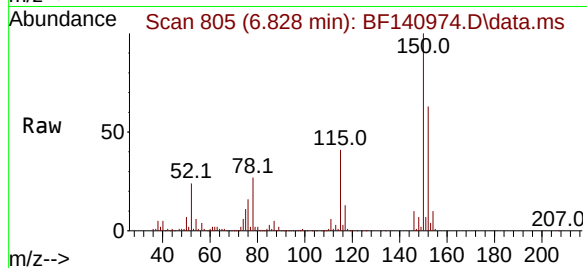
Quant Time: Dec 27 00:22:04 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:11:18 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

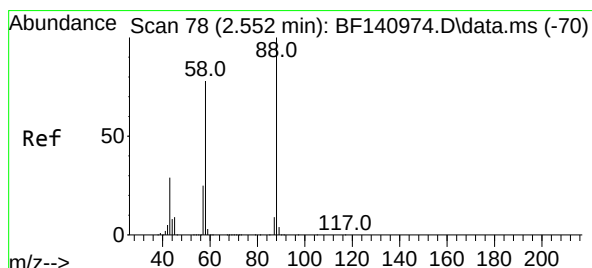
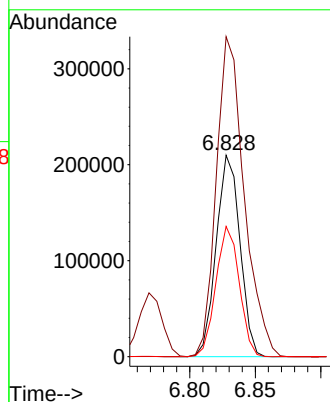
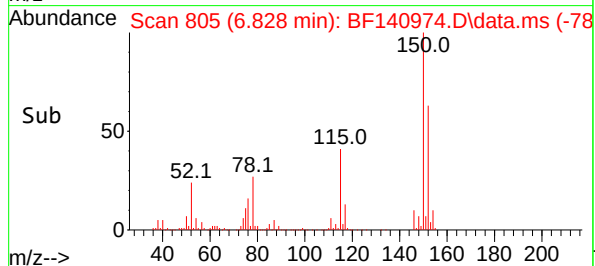
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:152 Resp: 264114
Ion Ratio Lower Upper
152 100
150 158.8 127.0 190.6
115 64.6 51.7 77.5

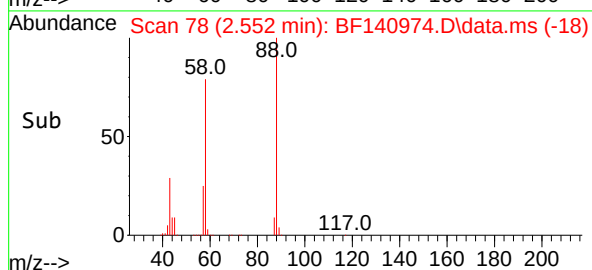
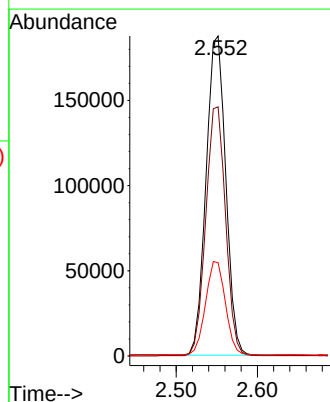
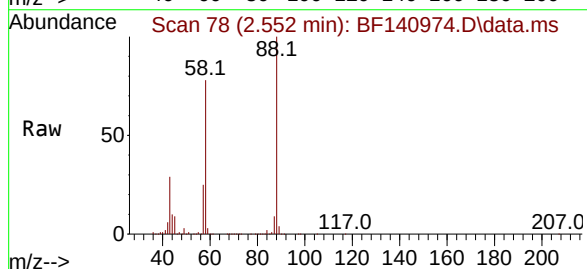
Manual Integrations
APPROVED

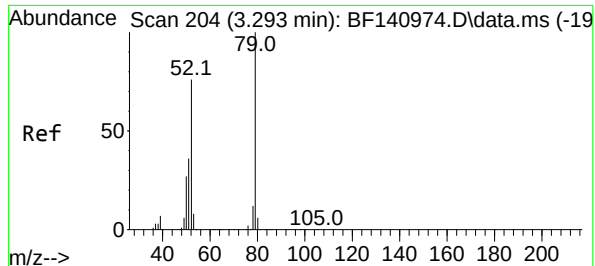
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#2
1,4-Dioxane
Concen: 39.780 ng
RT: 2.552 min Scan# 78
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion: 88 Resp: 315557
Ion Ratio Lower Upper
88 100
58 78.7 63.0 94.4
43 29.3 23.4 35.2





#3

Pyridine

Concen: 39.166 ng

RT: 3.293 min Scan# 204

Delta R.T. 0.000 min

Lab File: BF140974.D

Acq: 26 Dec 2024 18:06

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 79 Resp: 75926

Ion Ratio Lower Upper

79 100

52 75.5 60.4 90.6

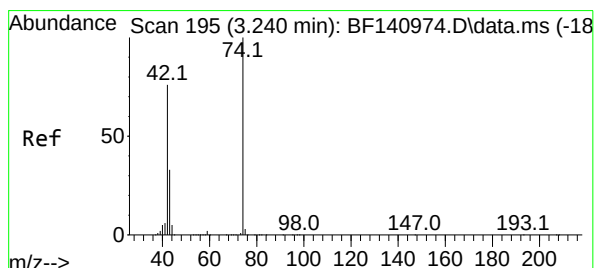
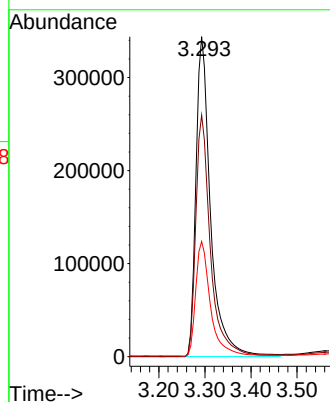
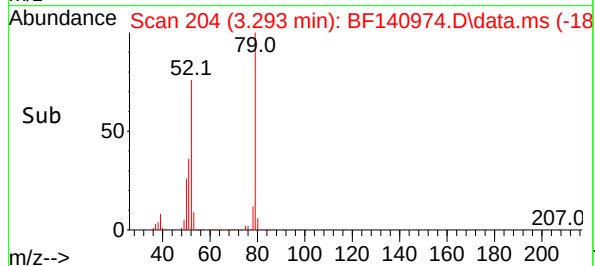
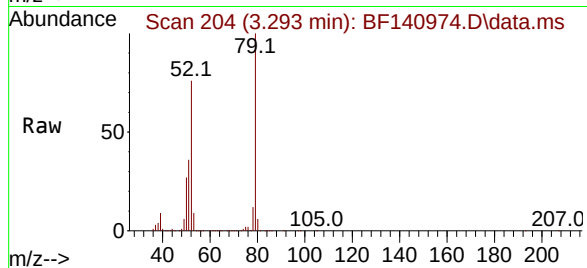
51 36.0 28.8 43.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#4

n-Nitrosodimethylamine

Concen: 40.058 ng

RT: 3.240 min Scan# 195

Delta R.T. 0.000 min

Lab File: BF140974.D

Acq: 26 Dec 2024 18:06

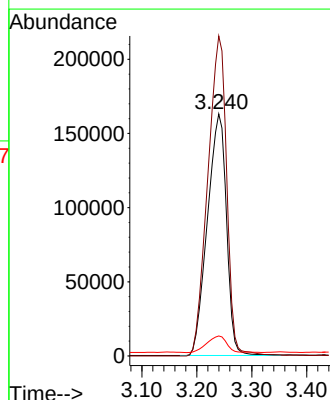
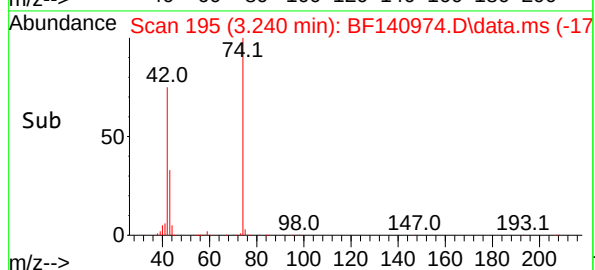
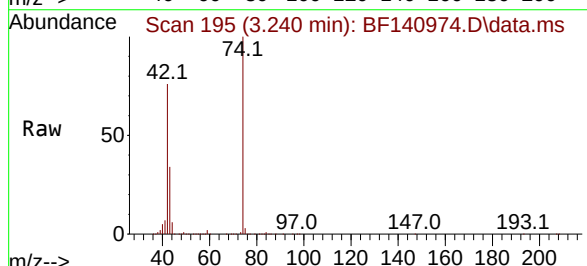
Tgt Ion: 42 Resp: 393459

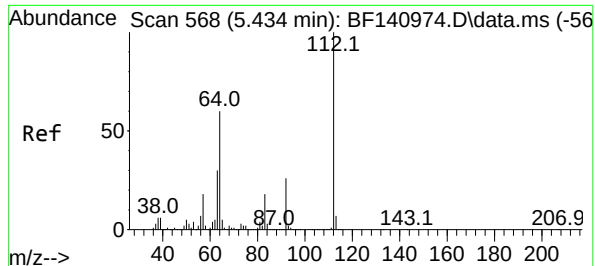
Ion Ratio Lower Upper

42 100

74 132.2 105.8 158.6

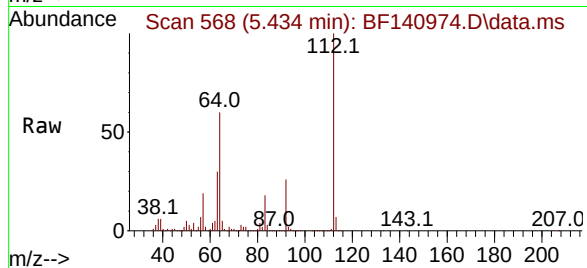
44 8.3 6.6 10.0





#5
2-Fluorophenol
Concen: 77.940 ng
RT: 5.434 min Scan# 501
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

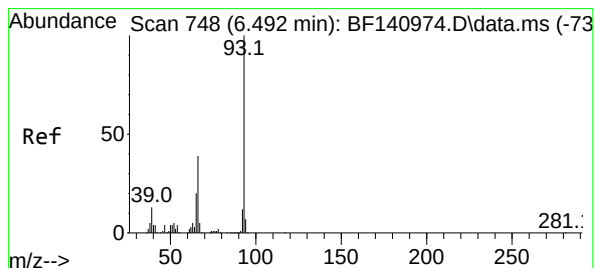
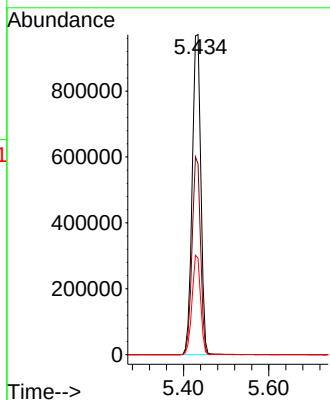
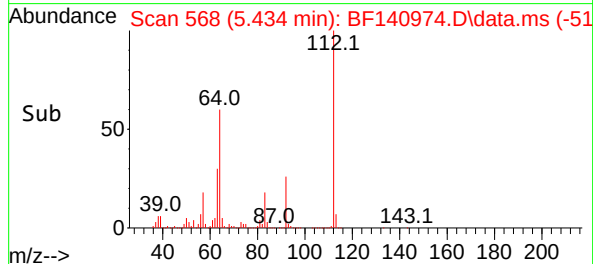
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:112 Resp: 136562
Ion Ratio Lower Upper
112 100
64 59.6 47.7 71.5
63 30.2 24.2 36.2

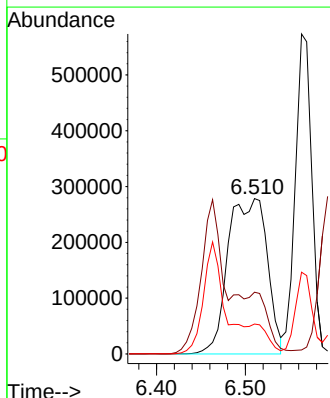
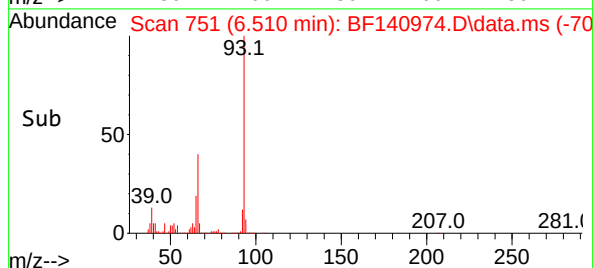
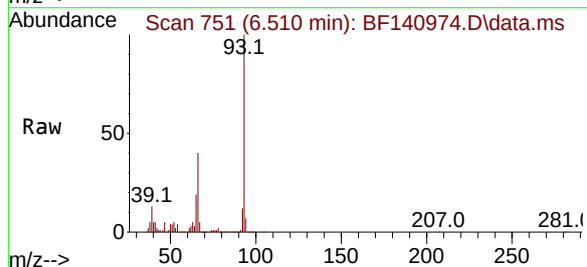
Manual Integrations
APPROVED

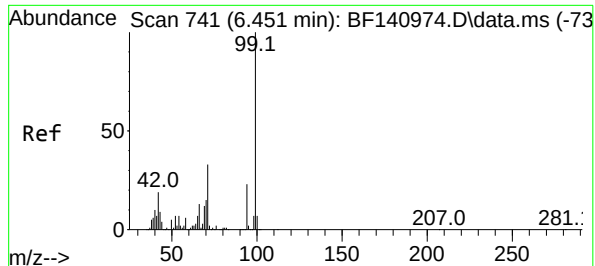
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#6
Aniline
Concen: 42.382 ng m
RT: 6.510 min Scan# 751
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion: 93 Resp: 853180
Ion Ratio Lower Upper
93 100
66 39.8 31.8 47.8
65 19.2 15.4 23.0





#7

Phenol-d6

Concen: 78.007 ng

RT: 6.451 min Scan# 741

Delta R.T. 0.000 min

Lab File: BF140974.D

Acq: 26 Dec 2024 18:06

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 99 Resp: 176071

Ion Ratio Lower Upper

99 100

42 18.7 15.0 22.4

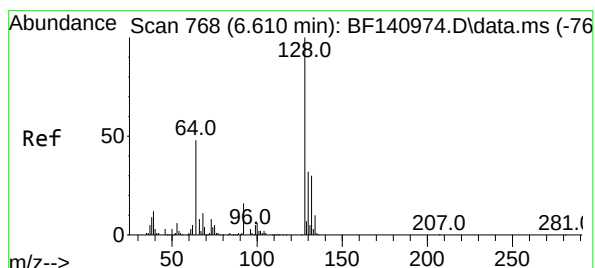
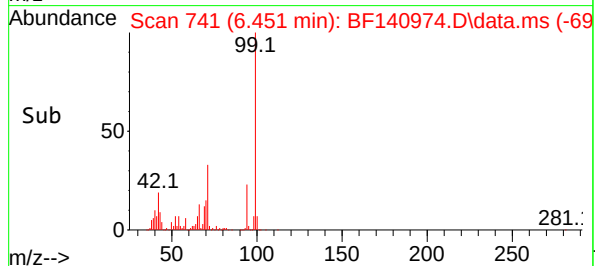
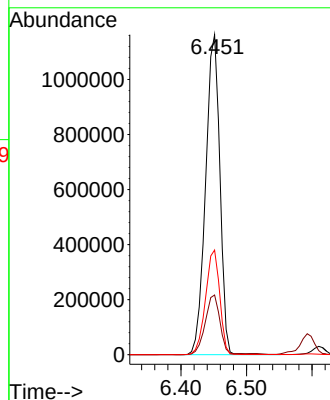
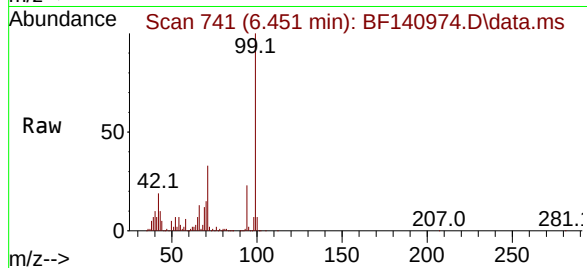
71 32.7 26.2 39.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#8

2-Chlorophenol

Concen: 39.639 ng

RT: 6.610 min Scan# 768

Delta R.T. 0.000 min

Lab File: BF140974.D

Acq: 26 Dec 2024 18:06

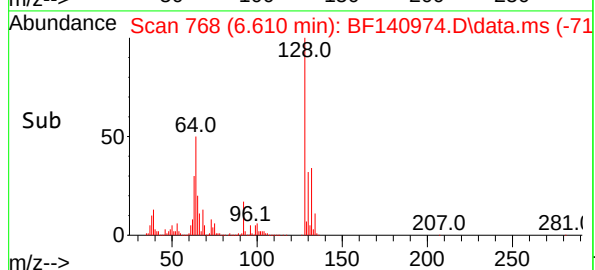
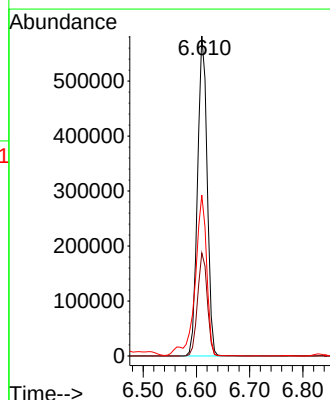
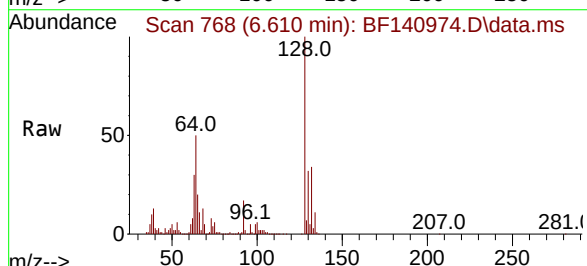
Tgt Ion:128 Resp: 732249

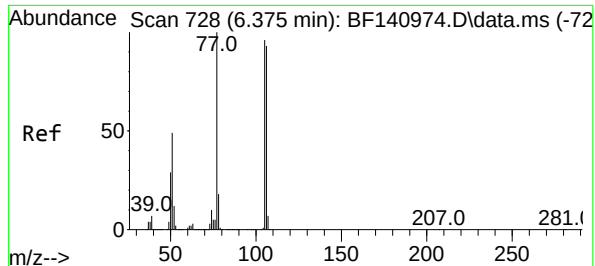
Ion Ratio Lower Upper

128 100

130 32.2 12.2 52.2

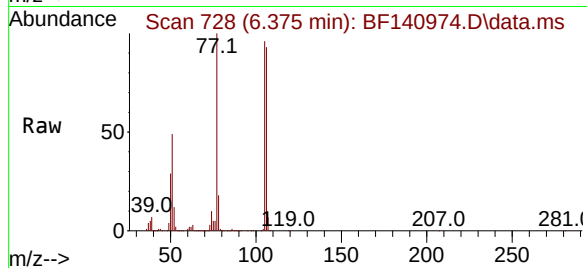
64 50.3 30.3 70.3





#9
Benzaldehyde
Concen: 41.536 ng
RT: 6.375 min Scan# 728
Delta R.T. -0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

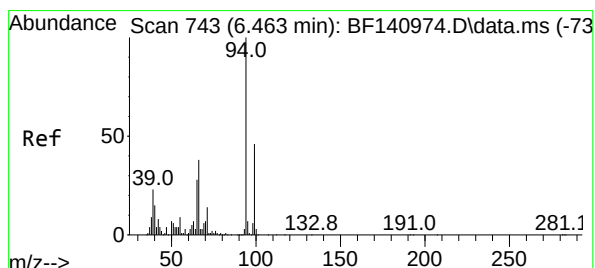
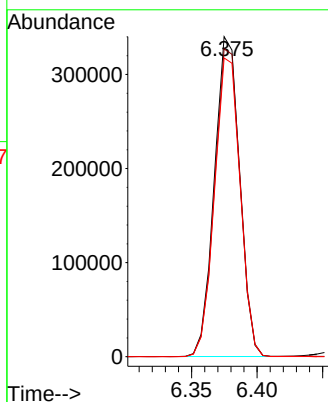
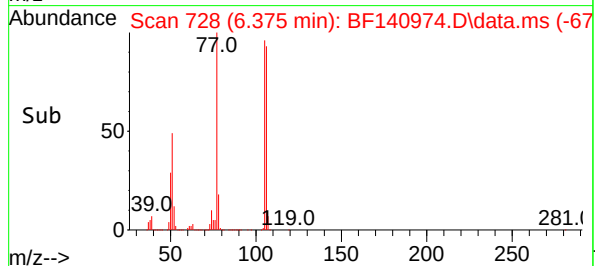
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion: 77 Resp: 454810
Ion Ratio Lower Upper
77 100
105 96.2 76.2 116.2
106 93.4 73.4 113.4

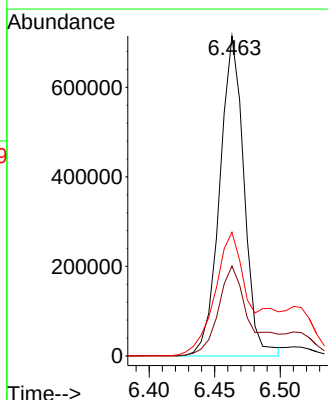
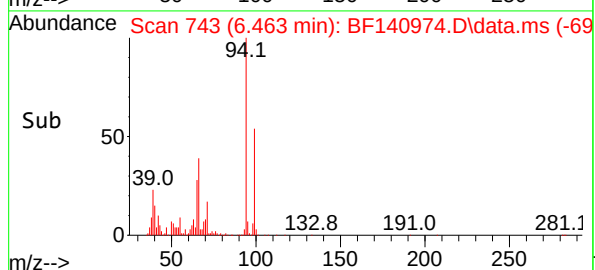
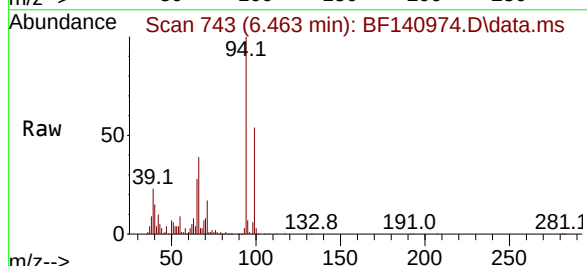
Manual Integrations
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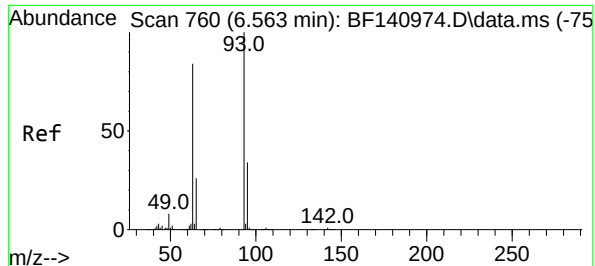
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#10
Phenol
Concen: 39.471 ng
RT: 6.463 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion: 94 Resp: 921228
Ion Ratio Lower Upper
94 100
65 28.1 8.1 48.1
66 38.7 18.7 58.7





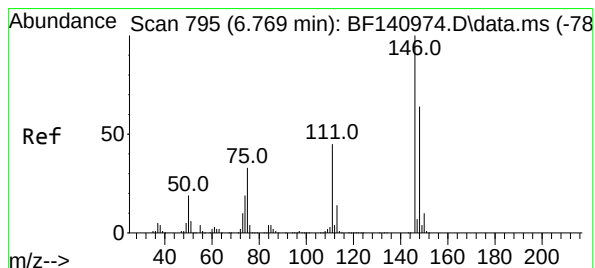
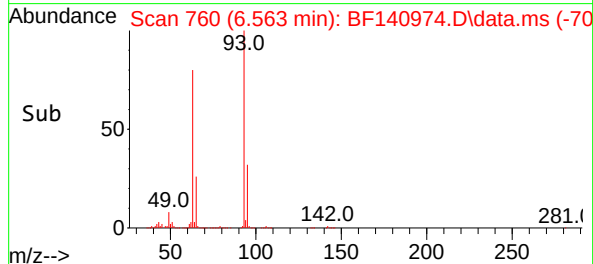
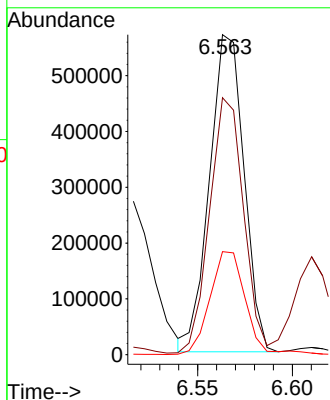
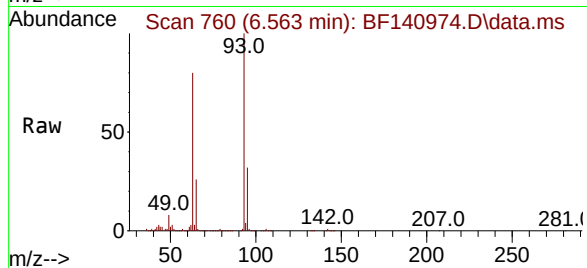
#11
bis(2-Chloroethyl)ether
Concen: 38.239 ng
RT: 6.563 min Scan# 760
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 93 Resp: 71995
Ion Ratio Lower Upper
93 100
63 80.3 60.3 100.3
95 32.2 12.2 52.2

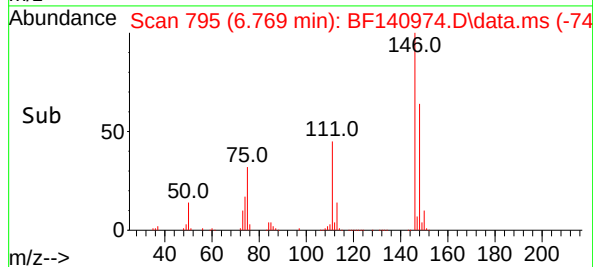
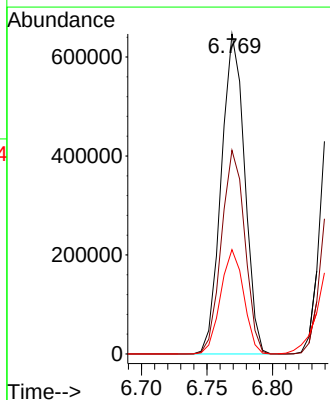
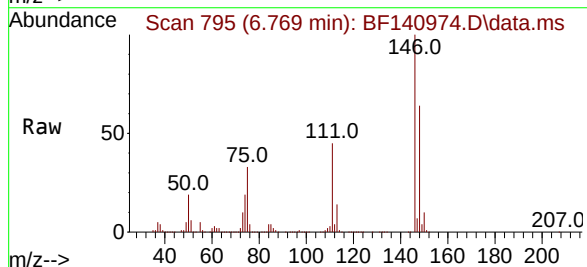
Manual Integrations
APPROVED

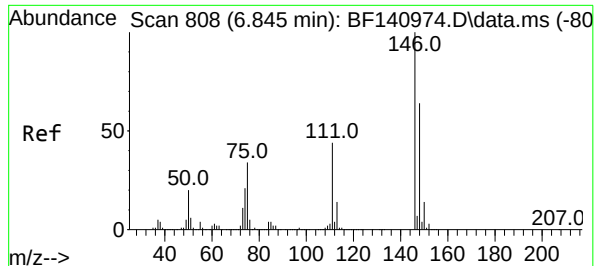
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#12
1,3-Dichlorobenzene
Concen: 39.267 ng
RT: 6.769 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:146 Resp: 800536
Ion Ratio Lower Upper
146 100
148 63.7 51.0 76.4
75 32.6 26.1 39.1





#13

1,4-Dichlorobenzene

Concen: 38.985 ng

RT: 6.845 min Scan# 808

Delta R.T. 0.000 min

Lab File: BF140974.D

Acq: 26 Dec 2024 18:06

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:146 Resp: 801219

Ion Ratio Lower Upper

146 100

148 64.1 51.3 76.9

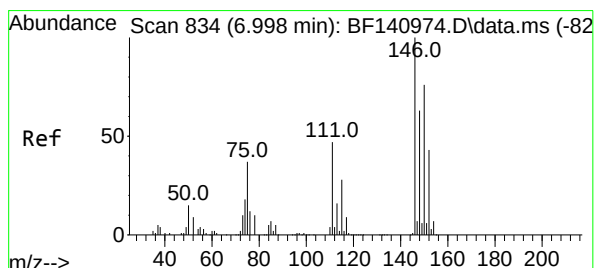
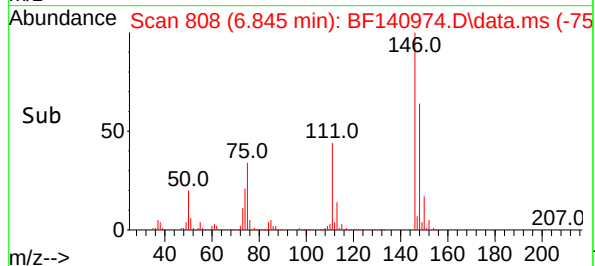
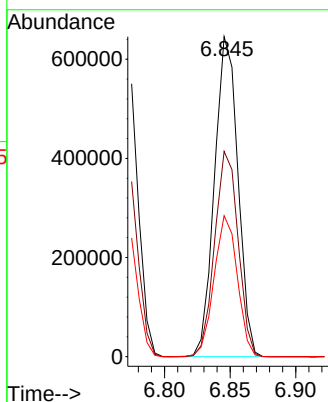
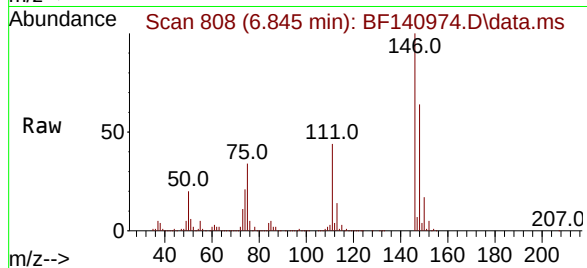
111 44.1 35.3 52.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#14

1,2-Dichlorobenzene

Concen: 39.046 ng

RT: 6.998 min Scan# 834

Delta R.T. 0.000 min

Lab File: BF140974.D

Acq: 26 Dec 2024 18:06

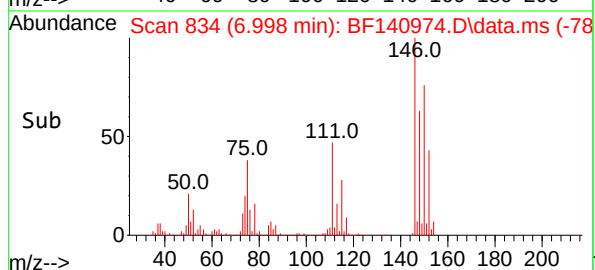
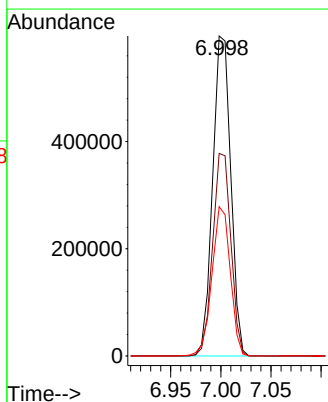
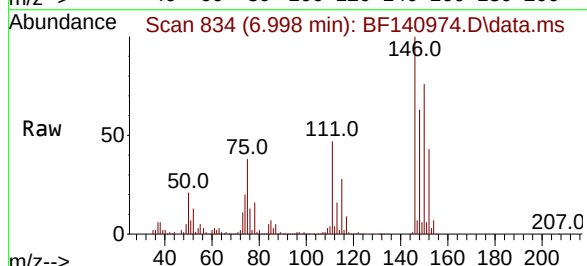
Tgt Ion:146 Resp: 748204

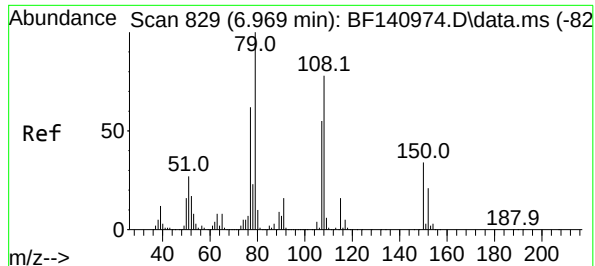
Ion Ratio Lower Upper

146 100

148 63.3 50.6 76.0

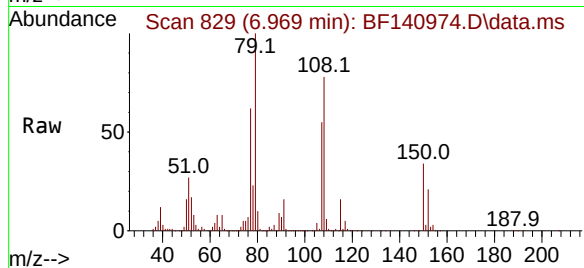
111 46.6 37.3 55.9





#15
Benzyl Alcohol
Concen: 39.926 ng
RT: 6.969 min Scan# 829
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

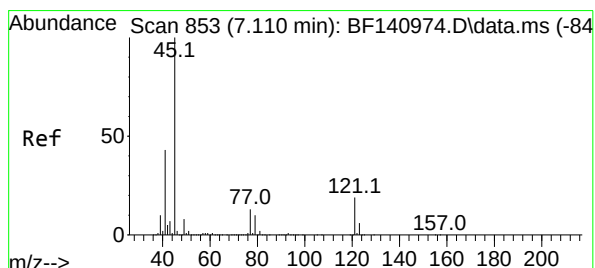
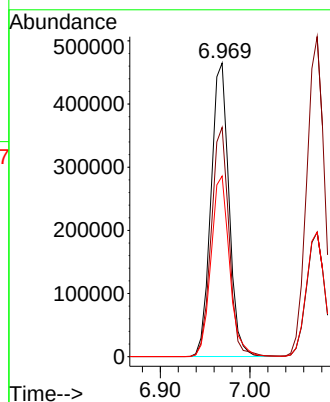
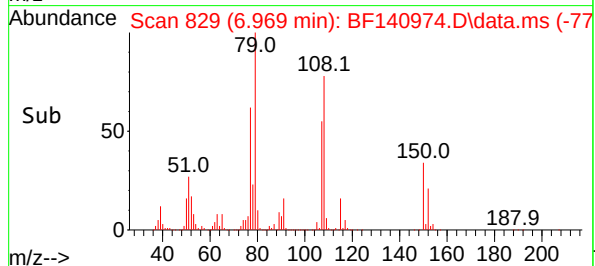
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion: 79 Resp: 647599
Ion Ratio Lower Upper
79 100
108 78.1 62.5 93.7
77 61.6 49.3 73.9

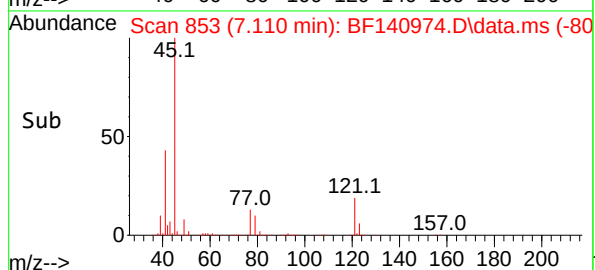
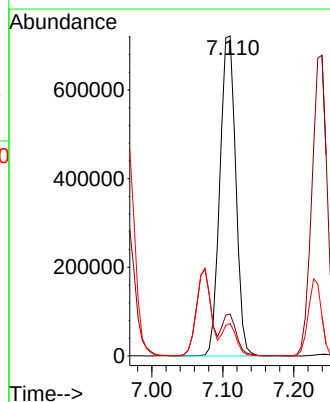
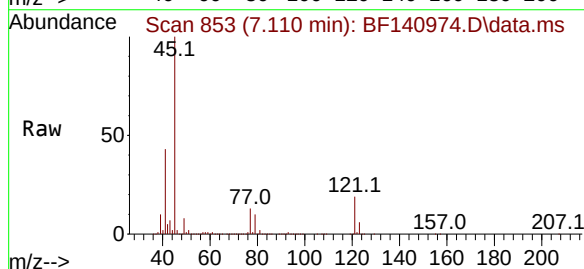
Manual Integrations
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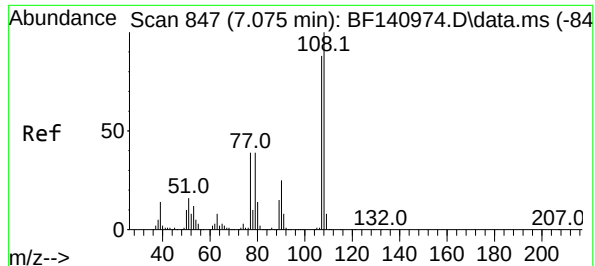
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.138 ng
RT: 7.110 min Scan# 853
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion: 45 Resp: 1115398
Ion Ratio Lower Upper
45 100
77 13.1 0.0 33.1
79 10.1 0.0 30.1





#17

2-Methylphenol

Concen: 39.632 ng

RT: 7.075 min Scan# 847

Delta R.T. 0.000 min

Lab File: BF140974.D

Acq: 26 Dec 2024 18:06

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:107 Resp: 608223

Ion Ratio Lower Upper

107 100

108 113.3 90.6 136.0

77 44.1 35.3 52.9

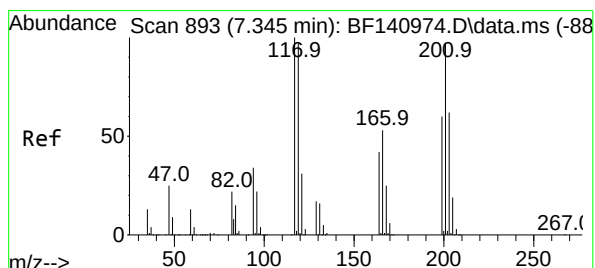
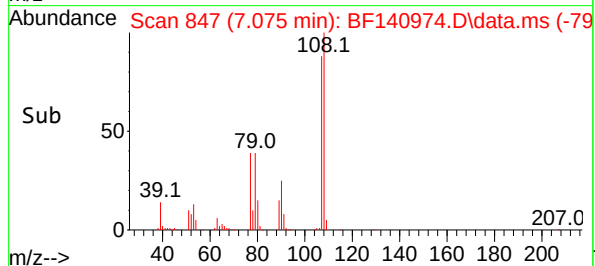
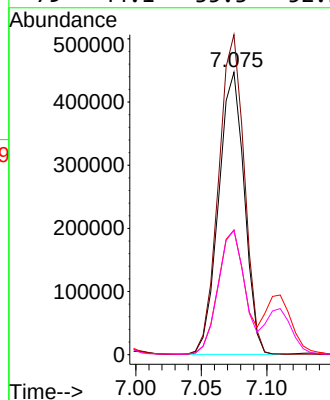
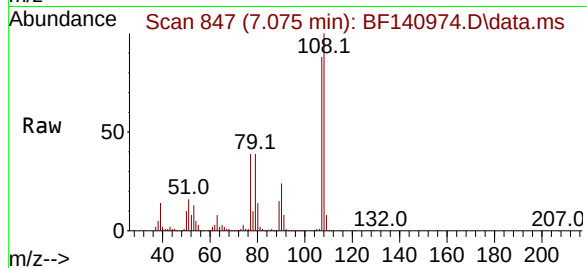
79 44.1 35.3 52.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#18

Hexachloroethane

Concen: 39.351 ng

RT: 7.345 min Scan# 893

Delta R.T. 0.000 min

Lab File: BF140974.D

Acq: 26 Dec 2024 18:06

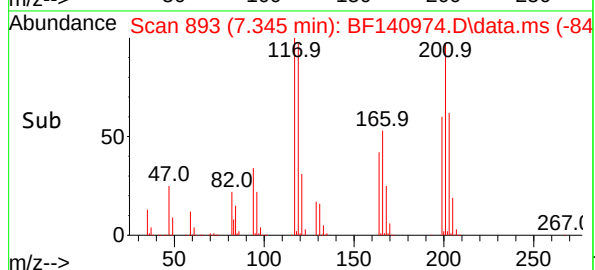
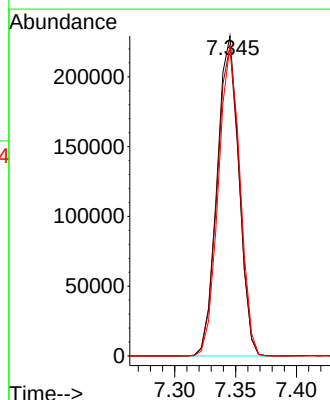
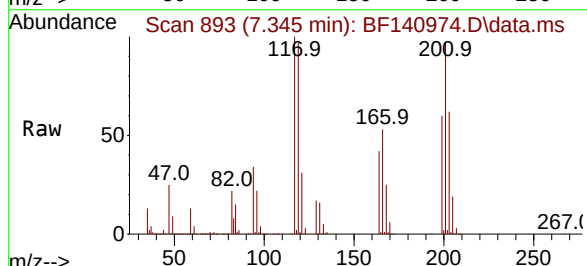
Tgt Ion:117 Resp: 287289

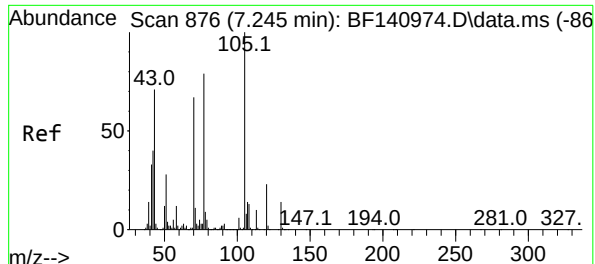
Ion Ratio Lower Upper

117 100

119 96.9 77.5 116.3

201 96.8 77.4 116.2





#19

n-Nitroso-di-n-propylamine

Concen: 38.493 ng

RT: 7.245 min Scan# 876

Delta R.T. 0.000 min

Lab File: BF140974.D

Acq: 26 Dec 2024 18:06

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 70 Resp: 532284

Ion Ratio Lower Upper

70 100

42 60.1 48.1 72.1

101 9.5 7.6 11.4

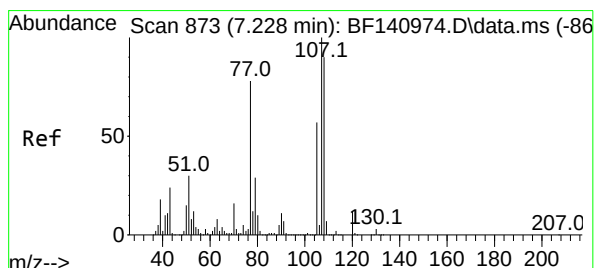
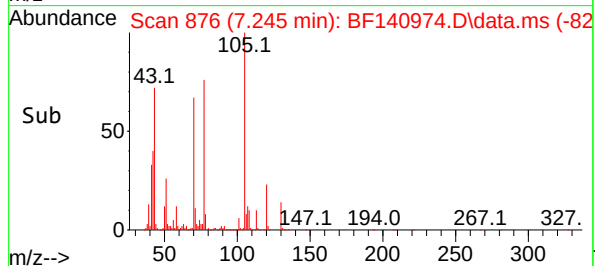
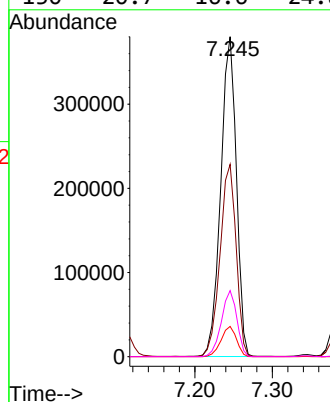
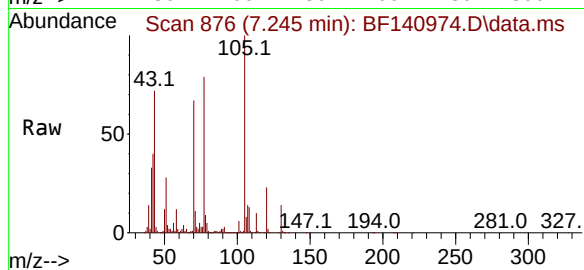
130 20.7 16.6 24.8

Manual Integrations

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Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#20

3+4-Methylphenols

Concen: 39.481 ng

RT: 7.228 min Scan# 873

Delta R.T. 0.000 min

Lab File: BF140974.D

Acq: 26 Dec 2024 18:06

Tgt Ion:107 Resp: 766762

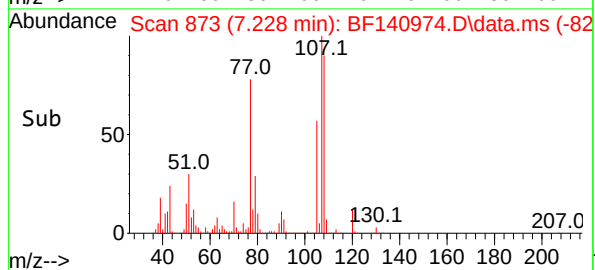
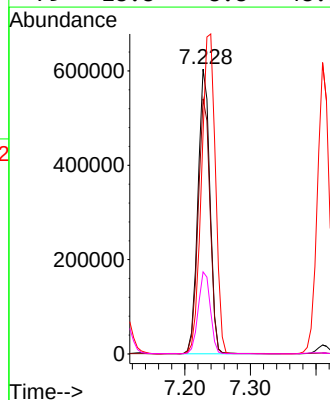
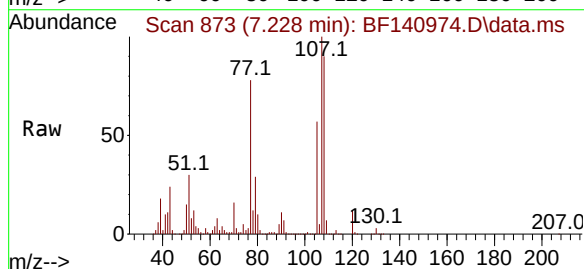
Ion Ratio Lower Upper

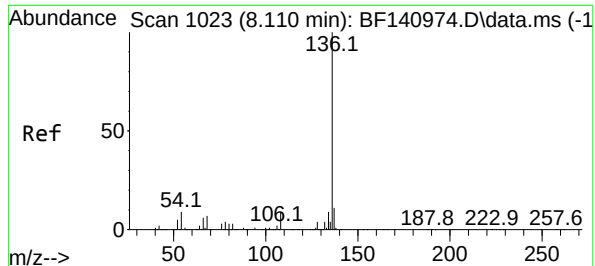
107 100

108 89.6 69.6 109.6

77 77.6 57.6 97.6

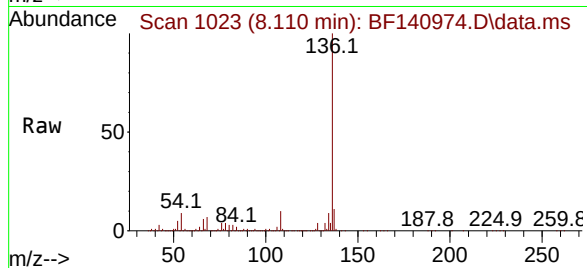
79 28.8 8.8 48.8





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

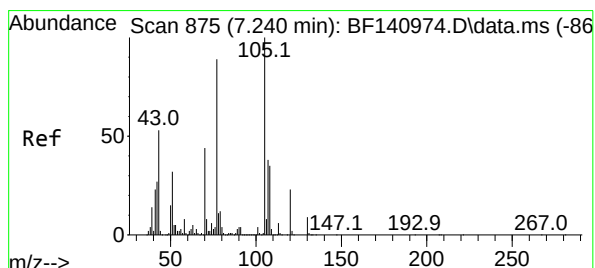
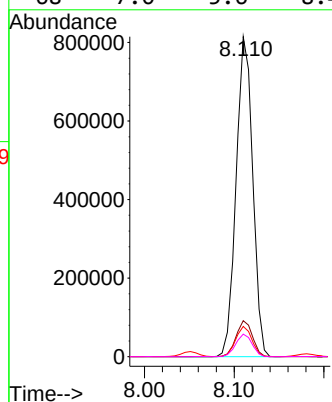
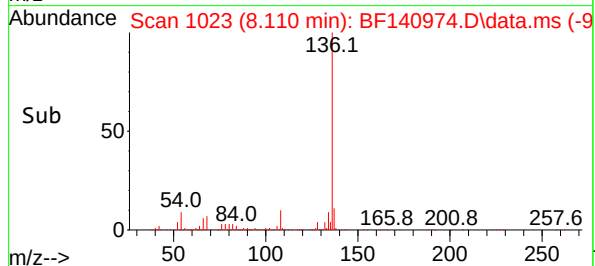
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:136 Resp: 1047010
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.4
54 9.5 7.6 11.4
68 7.0 5.6 8.4

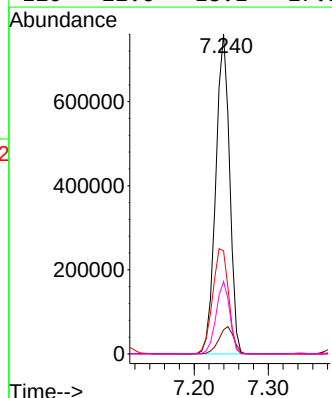
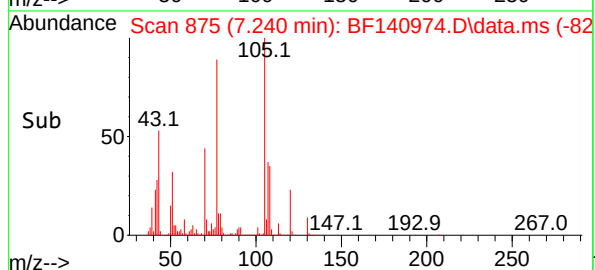
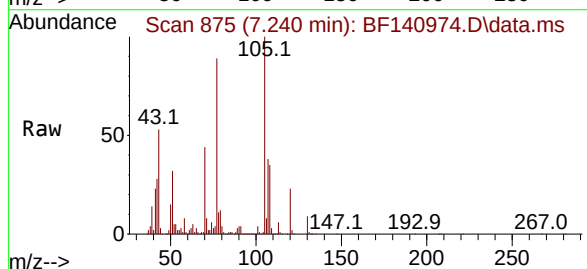
Manual Integrations
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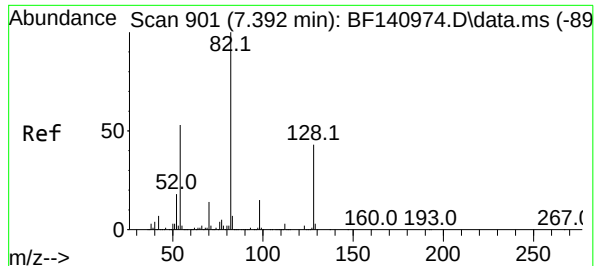
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#22
Acetophenone
Concen: 38.304 ng
RT: 7.240 min Scan# 875
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:105 Resp: 983828
Ion Ratio Lower Upper
105 100
71 7.6 6.1 9.1
51 32.2 25.8 38.6
120 22.6 18.1 27.1





#23

Nitrobenzene-d5

Concen: 83.588 ng

RT: 7.392 min Scan# 901

Delta R.T. 0.000 min

Lab File: BF140974.D

Acq: 26 Dec 2024 18:06

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 82 Resp: 1367940

Ion Ratio Lower Upper

82 100

128 43.0 34.4 51.6

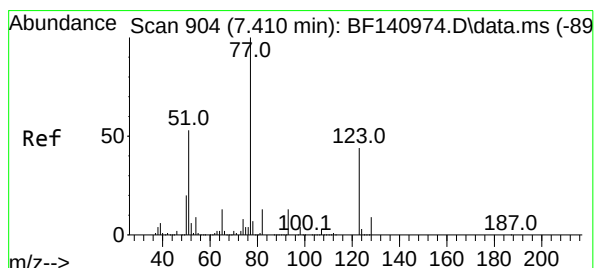
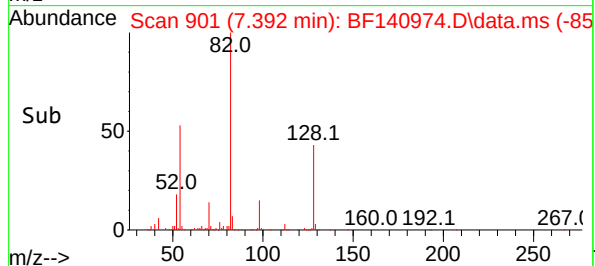
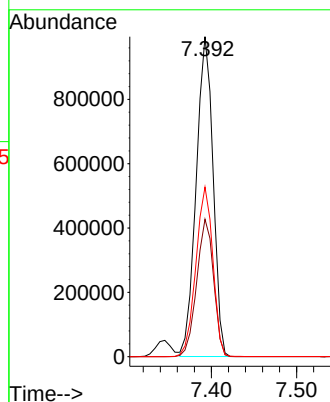
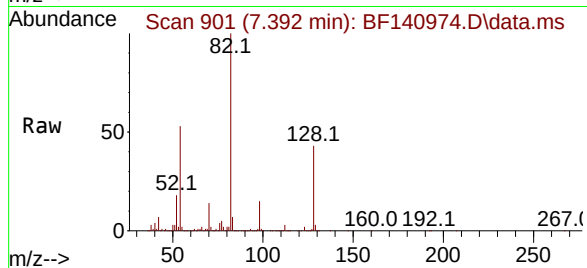
54 53.0 42.4 63.6

Manual Integrations

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Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#24

Nitrobenzene

Concen: 41.970 ng

RT: 7.410 min Scan# 904

Delta R.T. 0.000 min

Lab File: BF140974.D

Acq: 26 Dec 2024 18:06

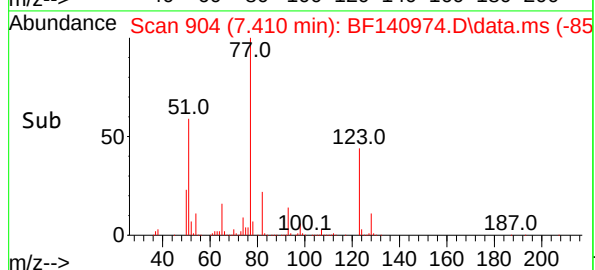
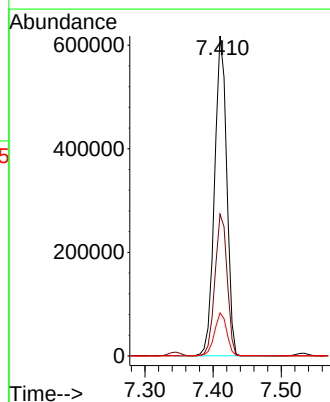
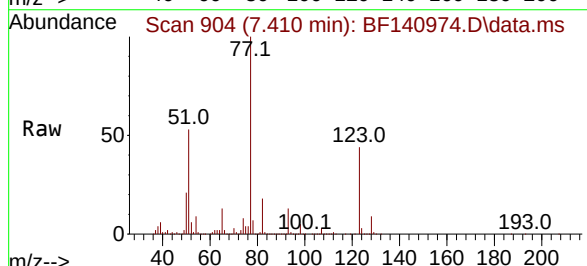
Tgt Ion: 77 Resp: 767486

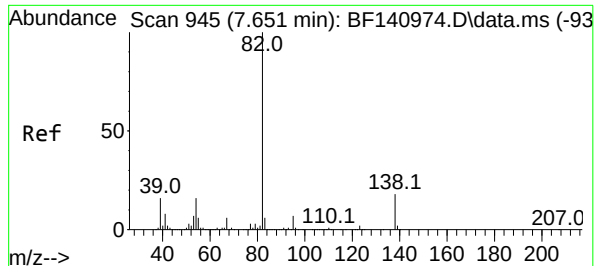
Ion Ratio Lower Upper

77 100

123 44.3 35.4 53.2

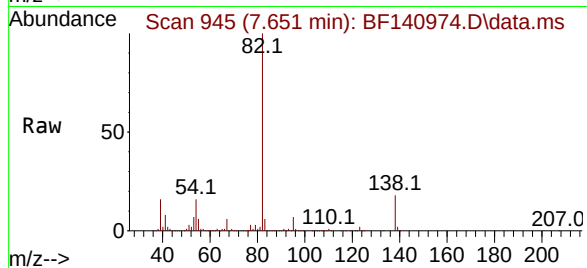
65 13.4 10.7 16.1





#25
Isophorone
Concen: 38.606 ng
RT: 7.651 min Scan# 945
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

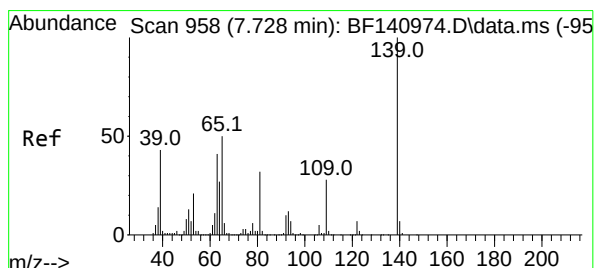
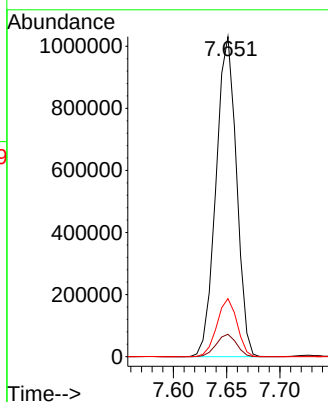
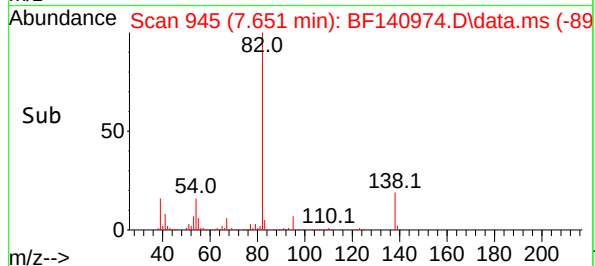
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion: 82 Resp: 137482
Ion Ratio Lower Upper
82 100
95 7.0 5.6 8.4
138 18.2 14.6 21.8

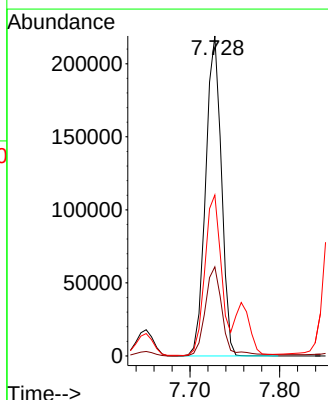
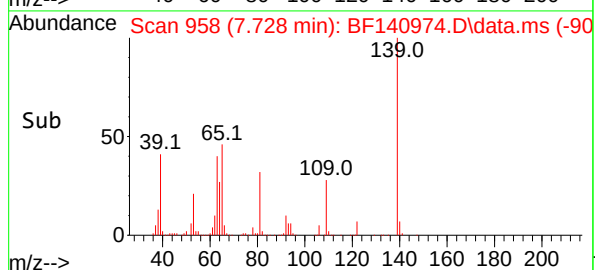
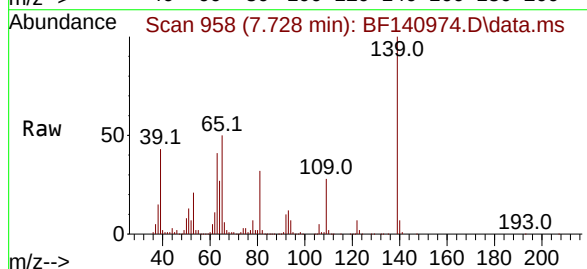
Manual Integrations
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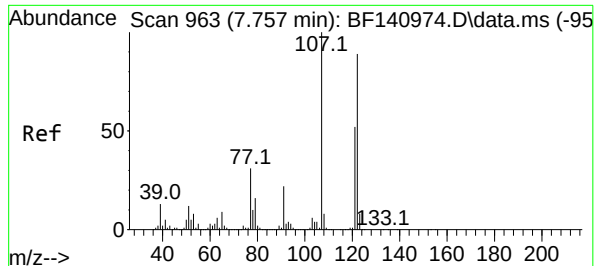
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#26
2-Nitrophenol
Concen: 36.900 ng
RT: 7.728 min Scan# 958
Delta R.T. -0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:139 Resp: 266201
Ion Ratio Lower Upper
139 100
109 27.8 22.2 33.4
65 50.3 40.2 60.4





#27

2,4-Dimethylphenol

Concen: 38.853 ng

RT: 7.757 min Scan# 90

Delta R.T. 0.000 min

Lab File: BF140974.D

Acq: 26 Dec 2024 18:06

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:122 Resp: 505670

Ion Ratio Lower Upper

122 100

107 111.8 89.4 134.2

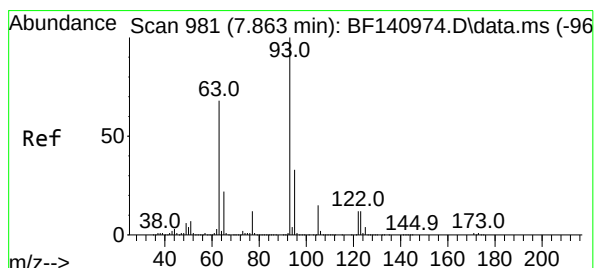
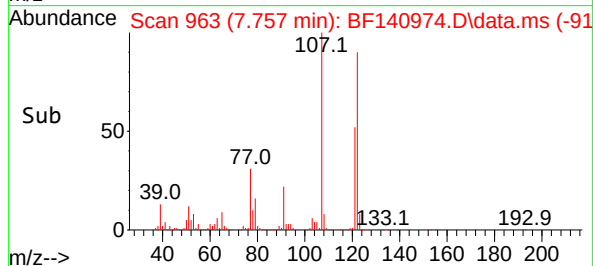
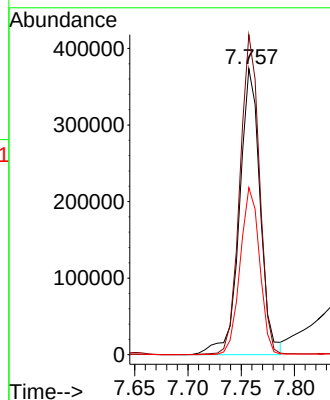
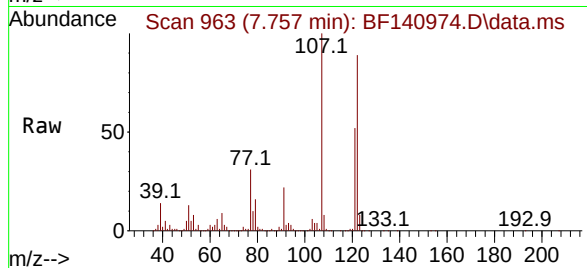
121 58.4 46.7 70.1

Manual Integrations

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Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#28

bis(2-Chloroethoxy)methane

Concen: 38.540 ng

RT: 7.863 min Scan# 981

Delta R.T. 0.000 min

Lab File: BF140974.D

Acq: 26 Dec 2024 18:06

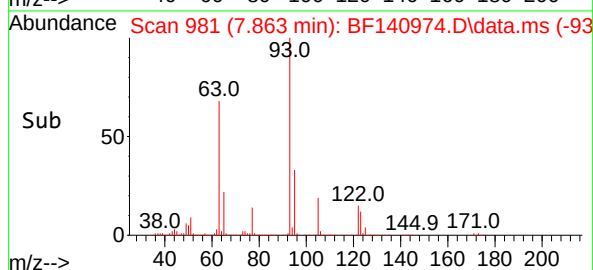
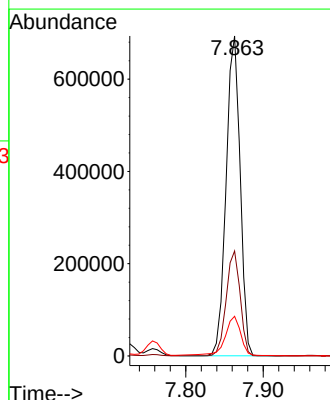
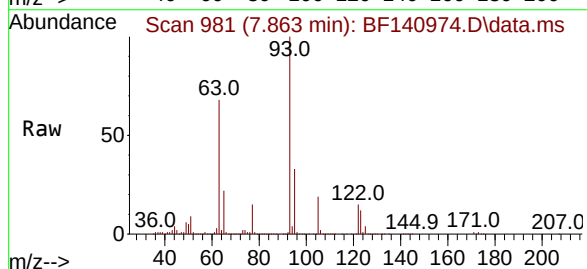
Tgt Ion: 93 Resp: 869568

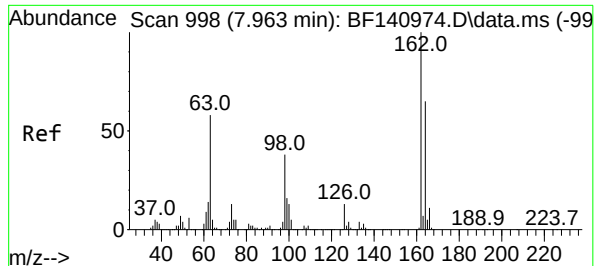
Ion Ratio Lower Upper

93 100

95 32.8 26.2 39.4

123 12.4 9.9 14.9





#29

2,4-Dichlorophenol

Concen: 39.440 ng

RT: 7.963 min Scan# 998

Delta R.T. 0.000 min

Lab File: BF140974.D

Acq: 26 Dec 2024 18:06

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:162 Resp: 58216

Ion Ratio Lower Upper

162 100

164 64.8 44.8 84.8

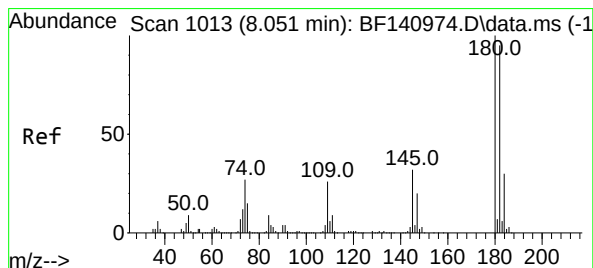
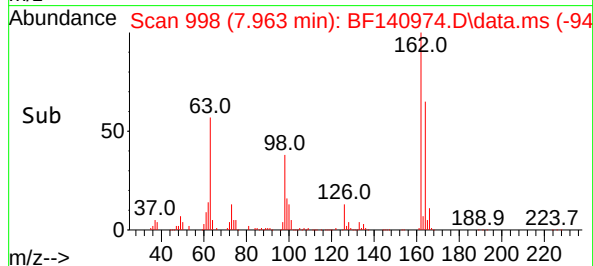
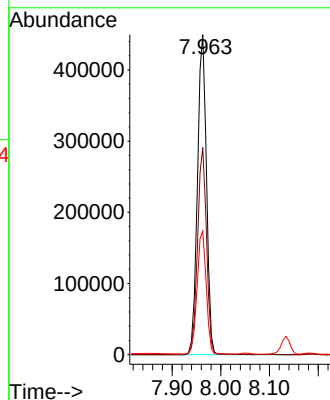
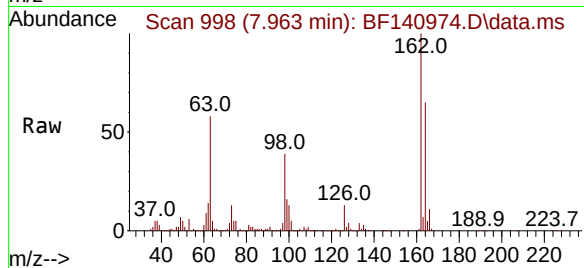
98 38.6 18.6 58.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#30

1,2,4-Trichlorobenzene

Concen: 39.147 ng

RT: 8.051 min Scan# 1013

Delta R.T. 0.000 min

Lab File: BF140974.D

Acq: 26 Dec 2024 18:06

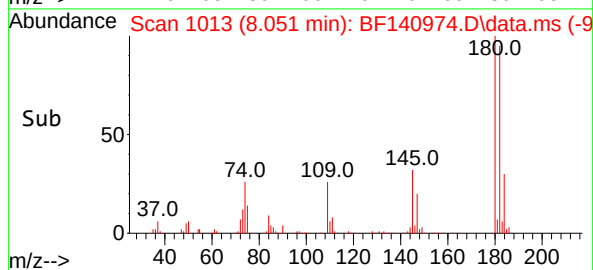
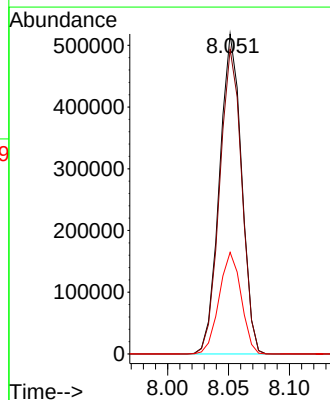
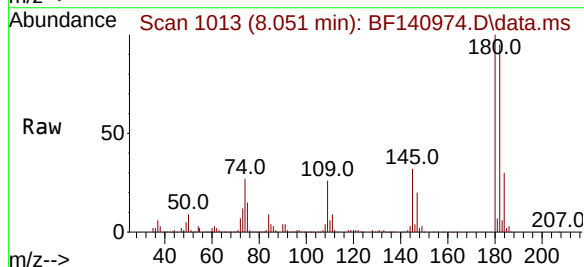
Tgt Ion:180 Resp: 654033

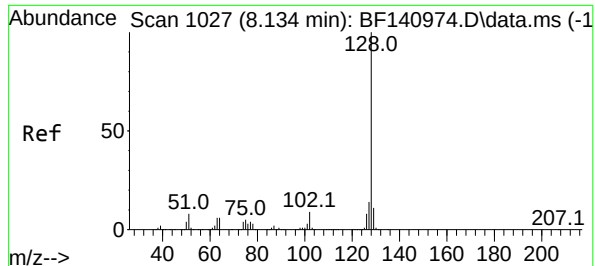
Ion Ratio Lower Upper

180 100

182 95.3 76.2 114.4

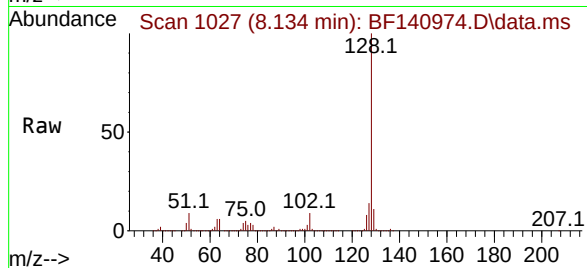
145 31.8 25.4 38.2





#31
Naphthalene
Concen: 38.718 ng
RT: 8.134 min Scan# 1027
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

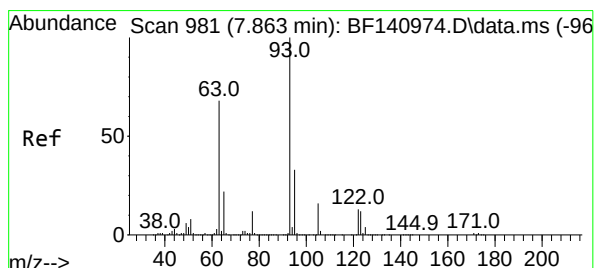
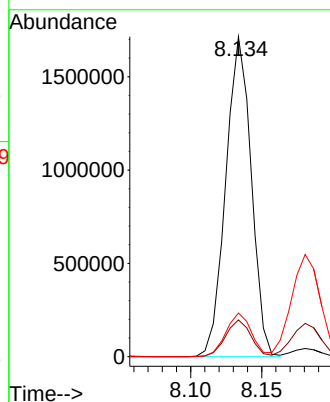
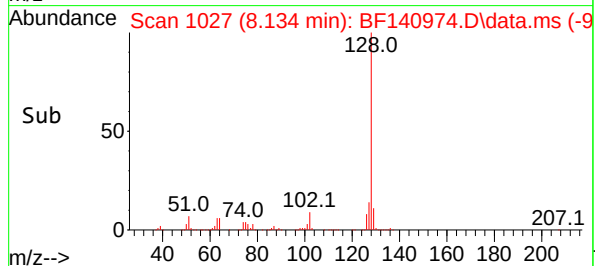
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:128 Resp: 2136130
Ion Ratio Lower Upper
128 100
129 11.5 9.2 13.8
127 13.7 11.0 16.4

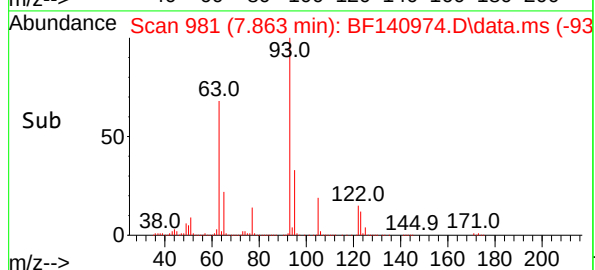
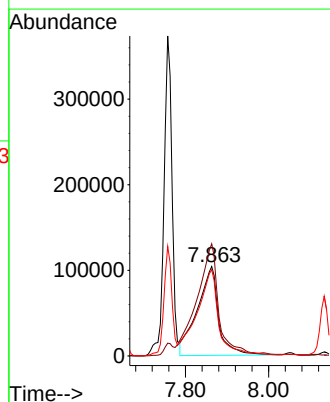
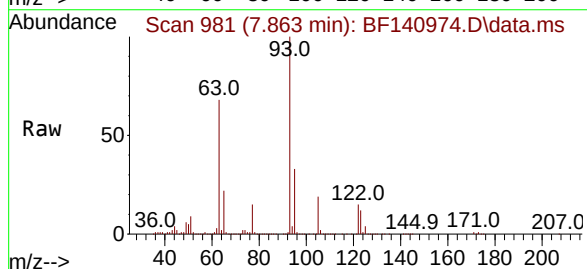
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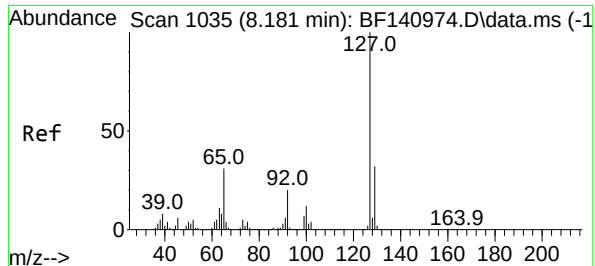
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#32
Benzoic acid
Concen: 36.912 ng
RT: 7.863 min Scan# 981
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:122 Resp: 372684
Ion Ratio Lower Upper
122 100
105 125.4 105.4 145.4
77 96.4 76.4 116.4





#33

4-Chloroaniline

Concen: 38.482 ng

RT: 8.181 min Scan# 1035

Delta R.T. 0.000 min

Lab File: BF140974.D

Acq: 26 Dec 2024 18:06

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:127 Resp: 76806

Ion Ratio Lower Upper

127 100

129 32.6 26.1 39.1

65 30.8 24.6 37.0

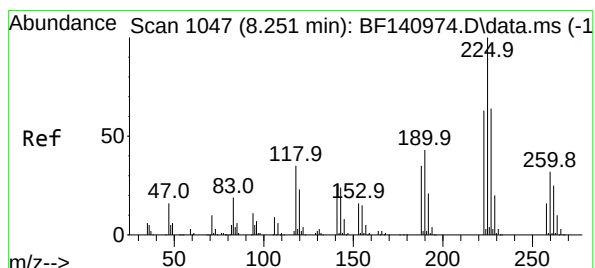
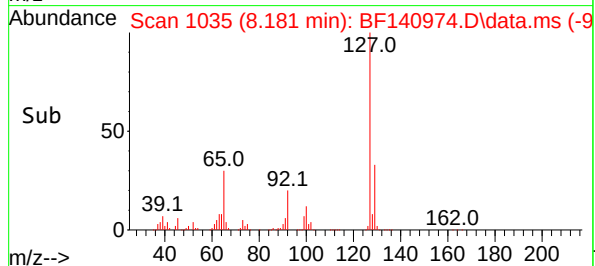
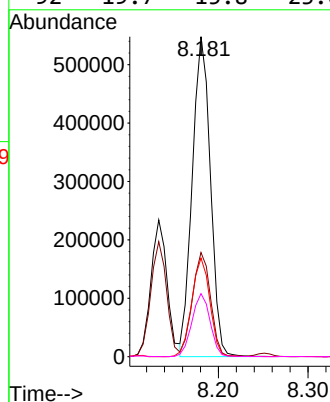
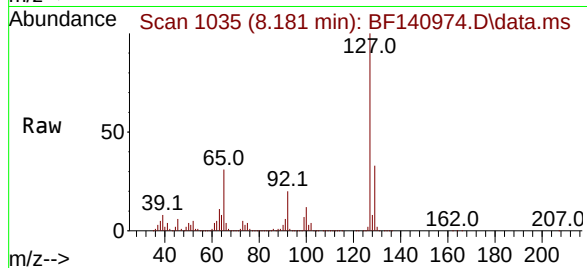
92 19.7 15.8 23.6

Manual Integrations

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Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#34

Hexachlorobutadiene

Concen: 38.591 ng

RT: 8.251 min Scan# 1047

Delta R.T. 0.000 min

Lab File: BF140974.D

Acq: 26 Dec 2024 18:06

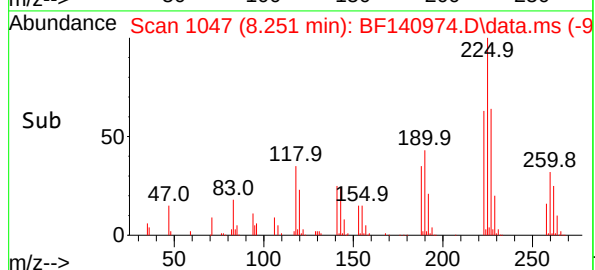
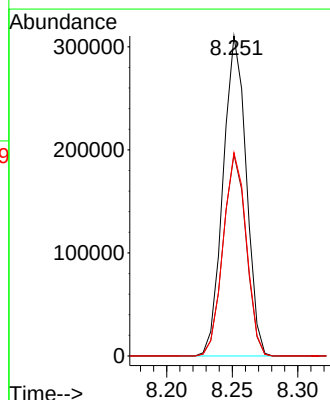
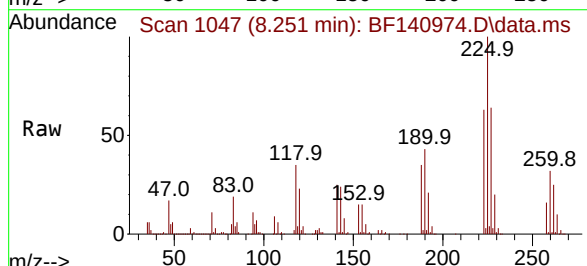
Tgt Ion:225 Resp: 380095

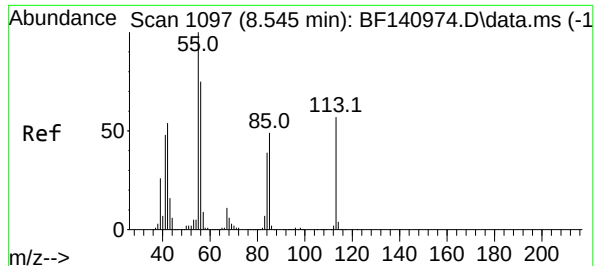
Ion Ratio Lower Upper

225 100

223 62.9 50.3 75.5

227 63.5 50.8 76.2





#35

Caprolactam

Concen: 39.375 ng m

RT: 8.545 min Scan# 1097

Delta R.T. 0.000 min

Lab File: BF140974.D

Acq: 26 Dec 2024 18:06

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:113 Resp: 197600

Ion Ratio Lower Upper

113 100

55 176.6 156.6 196.6

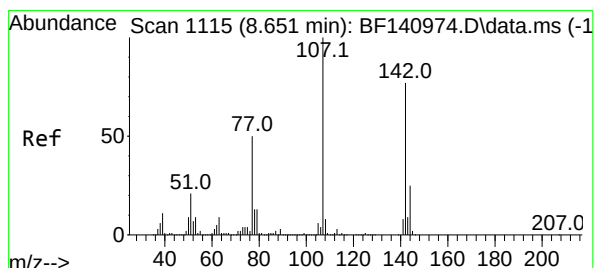
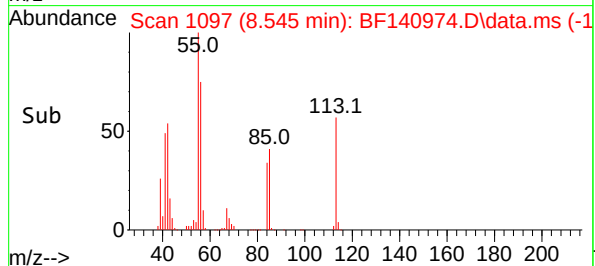
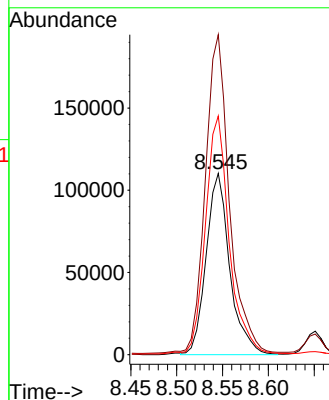
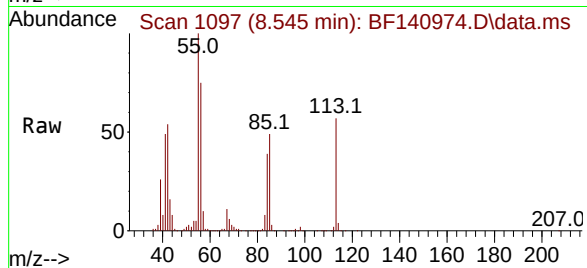
56 131.7 111.7 151.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#36

4-Chloro-3-methylphenol

Concen: 39.434 ng

RT: 8.651 min Scan# 1115

Delta R.T. 0.000 min

Lab File: BF140974.D

Acq: 26 Dec 2024 18:06

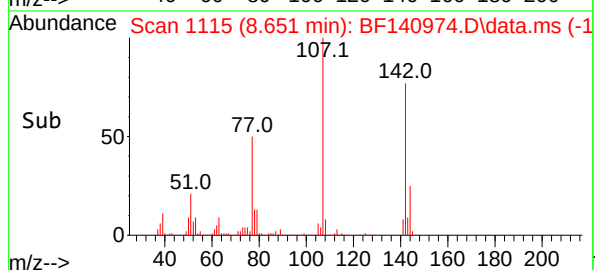
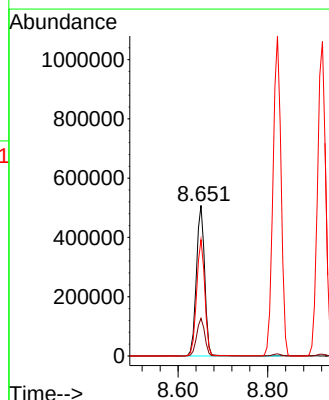
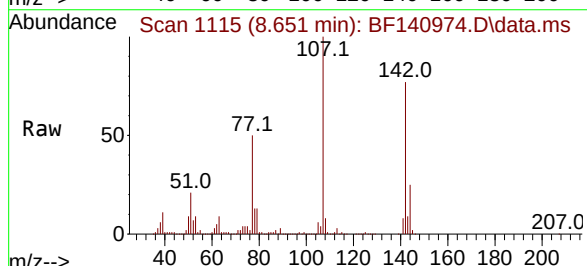
Tgt Ion:107 Resp: 646441

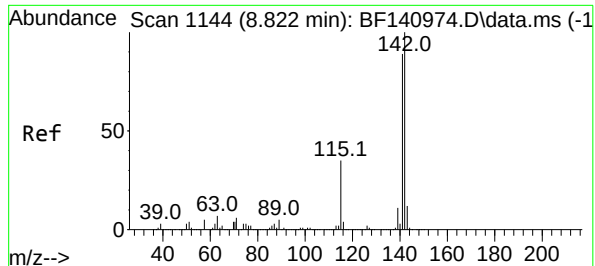
Ion Ratio Lower Upper

107 100

144 24.9 19.9 29.9

142 77.3 61.8 92.8





#37

2-Methylnaphthalene

Concen: 38.077 ng

RT: 8.822 min Scan# 1144

Delta R.T. 0.000 min

Lab File: BF140974.D

Acq: 26 Dec 2024 18:06

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:142 Resp: 134394

Ion Ratio Lower Upper

142 100

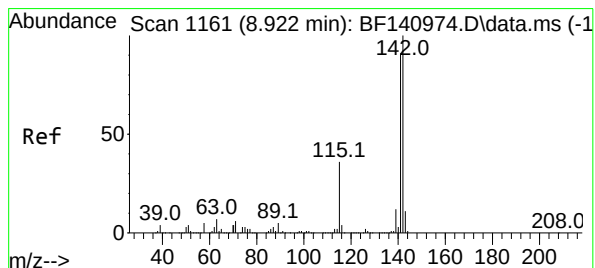
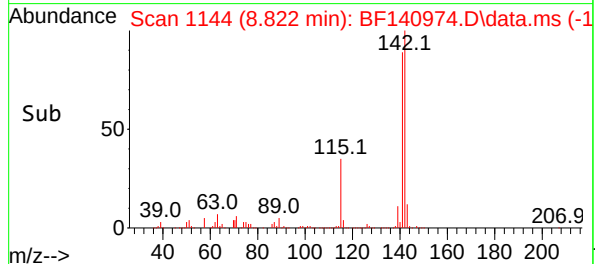
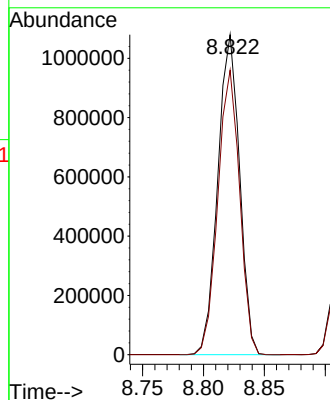
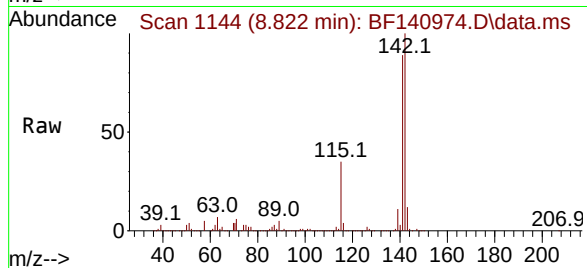
141 88.9 71.1 106.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#38

1-Methylnaphthalene

Concen: 38.354 ng

RT: 8.922 min Scan# 1161

Delta R.T. 0.000 min

Lab File: BF140974.D

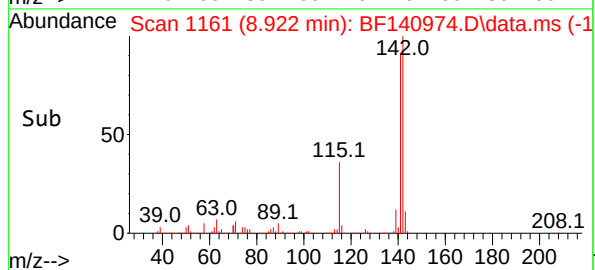
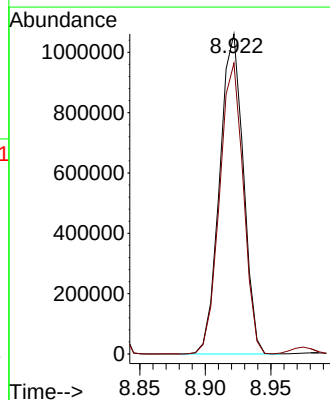
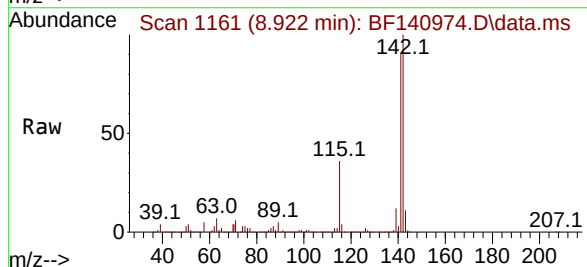
Acq: 26 Dec 2024 18:06

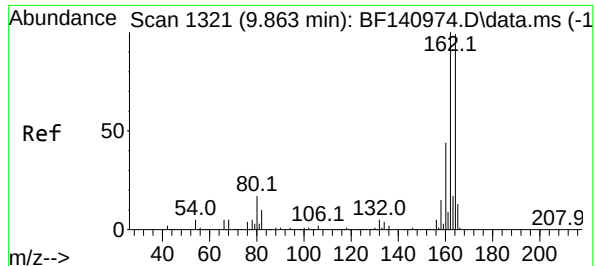
Tgt Ion:142 Resp: 1330393

Ion Ratio Lower Upper

142 100

141 90.9 72.7 109.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.863 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF140974.D

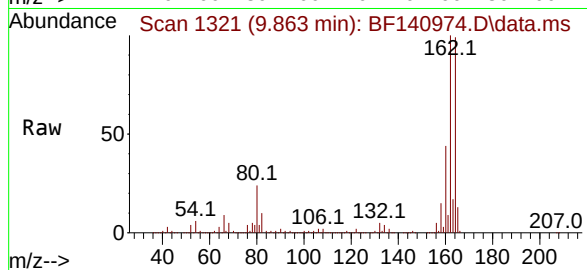
Acq: 26 Dec 2024 18:06

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040



Tgt Ion:164 Resp: 555398

Ion Ratio Lower Upper

164 100

162 100.7 80.6 120.8

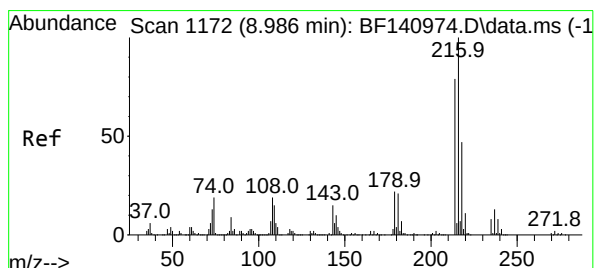
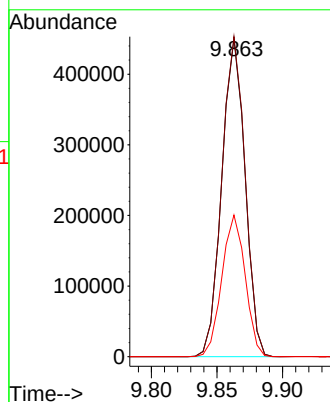
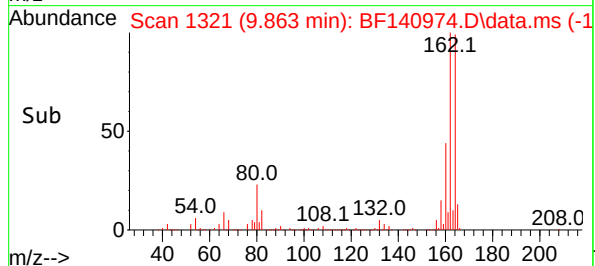
160 44.6 35.7 53.5

Manual Integrations

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Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#40

1,2,4,5-Tetrachlorobenzene

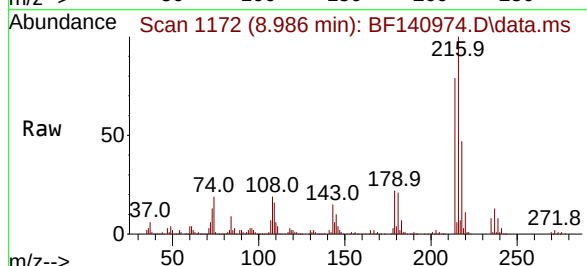
Concen: 38.917 ng

RT: 8.986 min Scan# 1172

Delta R.T. 0.000 min

Lab File: BF140974.D

Acq: 26 Dec 2024 18:06



Tgt Ion:216 Resp: 594643

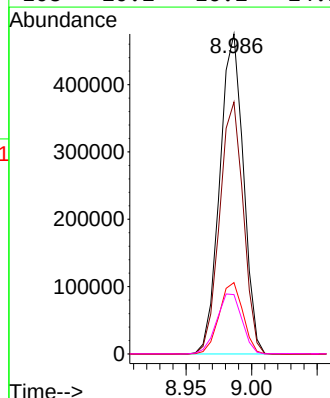
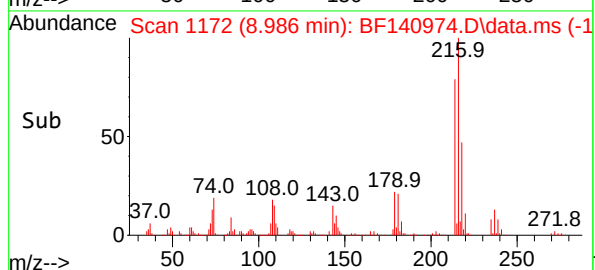
Ion Ratio Lower Upper

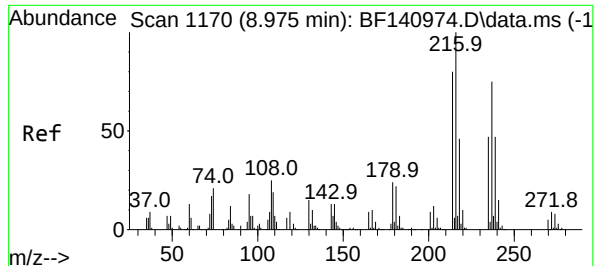
216 100

214 78.8 63.0 94.6

179 22.4 17.9 26.9

108 20.2 16.2 24.2





#41

Hexachlorocyclopentadiene

Concen: 40.922 ng

RT: 8.975 min Scan# 1170

Delta R.T. 0.000 min

Lab File: BF140974.D

Acq: 26 Dec 2024 18:06

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:237 Resp: 207205

Ion Ratio Lower Upper

237 100

235 63.4 43.4 83.4

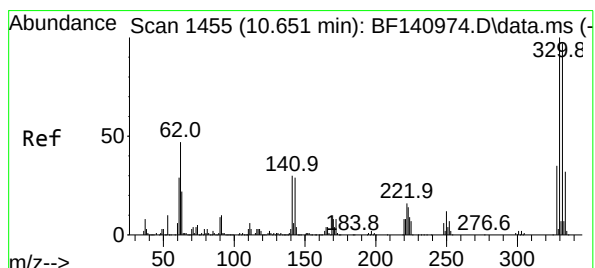
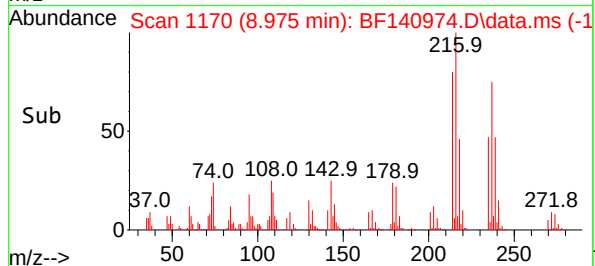
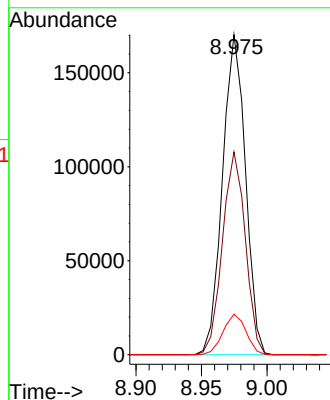
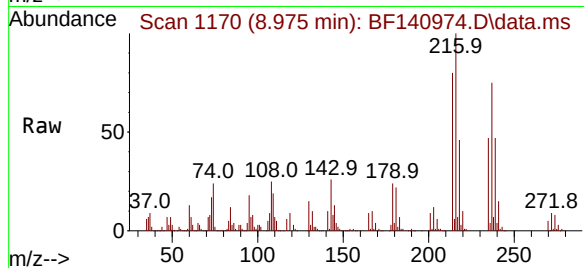
272 12.6 0.0 32.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#42

2,4,6-Tribromophenol

Concen: 80.733 ng

RT: 10.651 min Scan# 1455

Delta R.T. 0.000 min

Lab File: BF140974.D

Acq: 26 Dec 2024 18:06

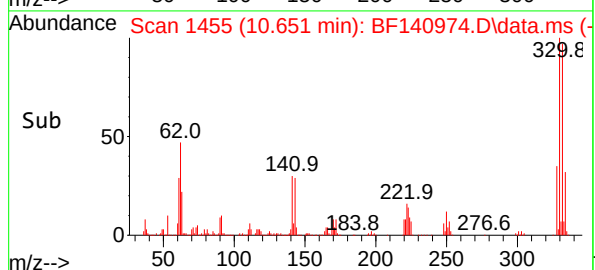
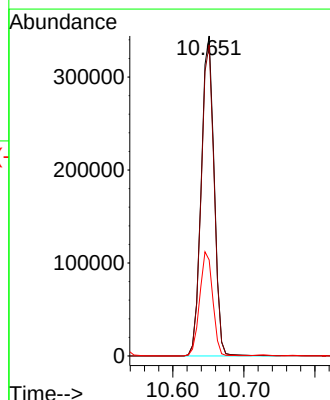
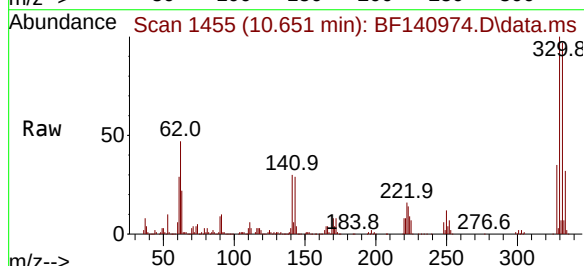
Tgt Ion:330 Resp: 435705

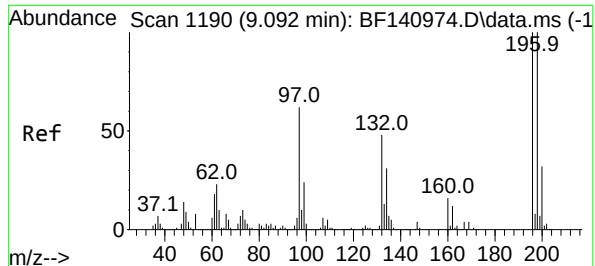
Ion Ratio Lower Upper

330 100

332 97.5 78.0 117.0

141 33.0 26.4 39.6





#43

2,4,6-Trichlorophenol

Concen: 39.741 ng

RT: 9.092 min Scan# 1190

Delta R.T. 0.000 min

Lab File: BF140974.D

Acq: 26 Dec 2024 18:06

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:196 Resp: 40414

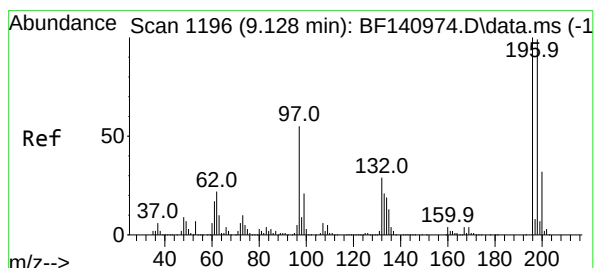
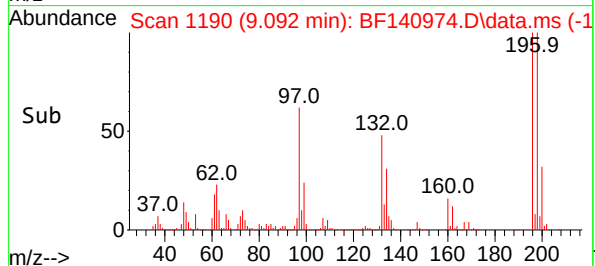
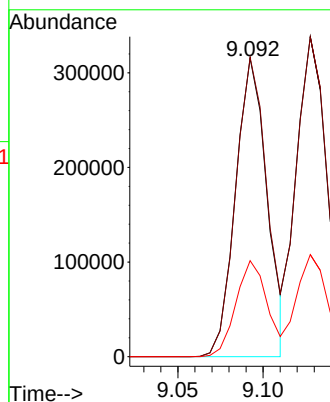
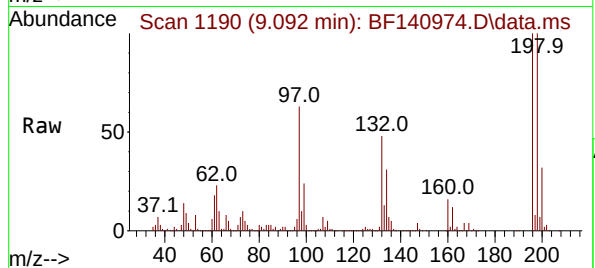
Ion	Ratio	Lower	Upper
196	100		
198	100.3	80.2	120.4
200	32.2	25.8	38.6

Manual Integrations

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Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#44

2,4,5-Trichlorophenol

Concen: 40.562 ng

RT: 9.128 min Scan# 1196

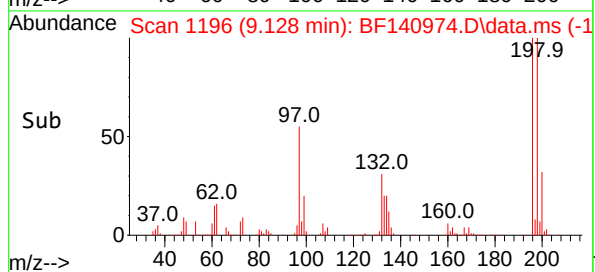
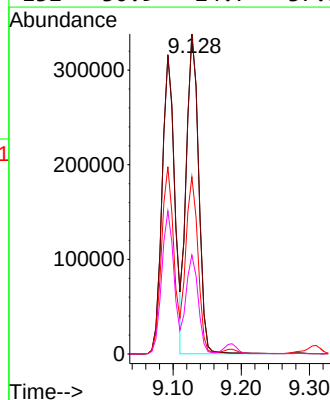
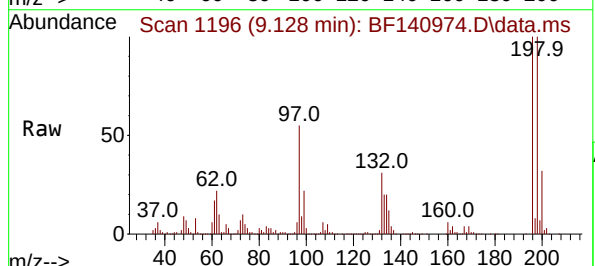
Delta R.T. 0.000 min

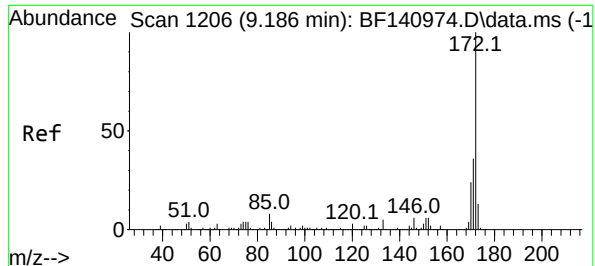
Lab File: BF140974.D

Acq: 26 Dec 2024 18:06

Tgt Ion:196 Resp: 422062

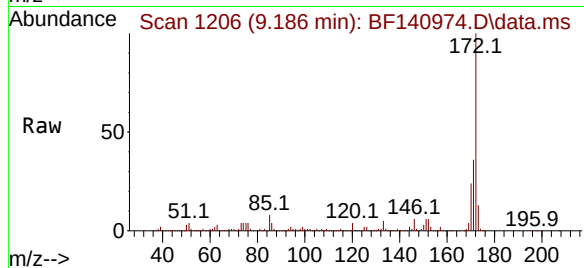
Ion	Ratio	Lower	Upper
196	100		
198	99.9	79.9	119.9
97	55.4	44.3	66.5
132	30.9	24.7	37.1





#45
2-Fluorobiphenyl
Concen: 74.872 ng
RT: 9.186 min Scan# 1206
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

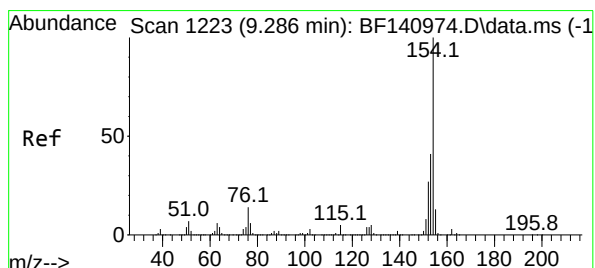
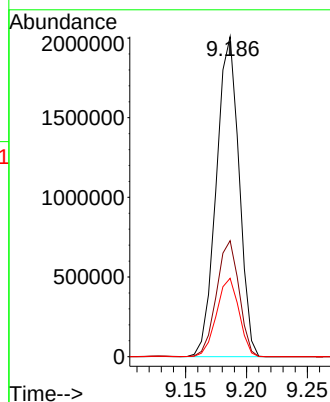
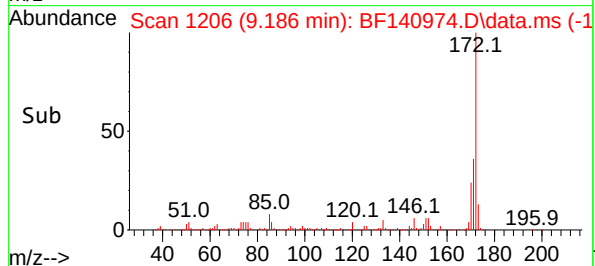
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:172 Resp: 2610020
Ion Ratio Lower Upper
172 100
171 36.2 29.0 43.4
170 24.5 19.6 29.4

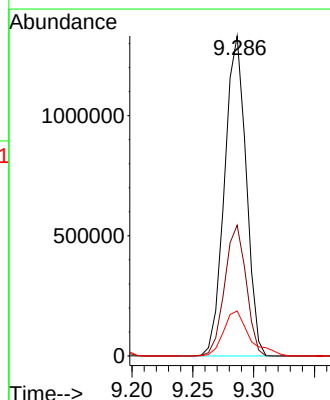
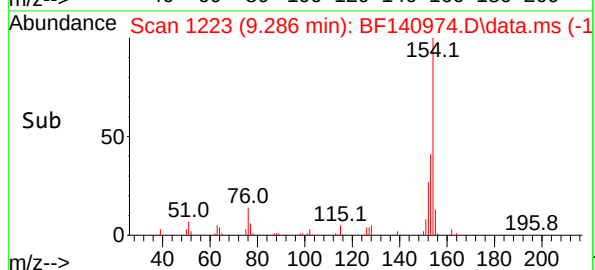
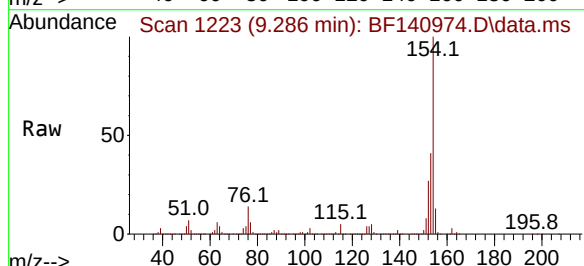
Manual Integrations
APPROVED

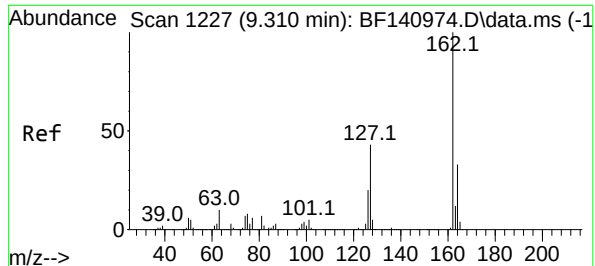
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#46
1,1'-Biphenyl
Concen: 38.638 ng
RT: 9.286 min Scan# 1223
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:154 Resp: 1643157
Ion Ratio Lower Upper
154 100
153 40.9 20.9 60.9
76 14.0 0.0 34.0





#47

2-Chloronaphthalene

Concen: 38.385 ng

RT: 9.310 min Scan# 1227

Delta R.T. -0.000 min

Lab File: BF140974.D

Acq: 26 Dec 2024 18:06

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:162 Resp: 1266020

Ion Ratio Lower Upper

162 100

127 42.8 34.2 51.4

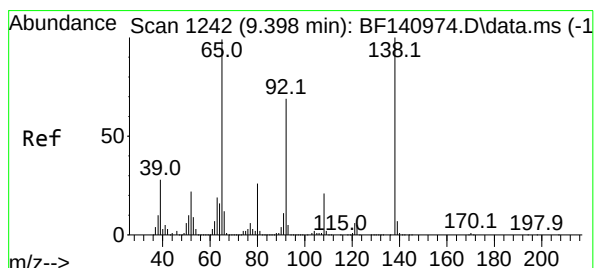
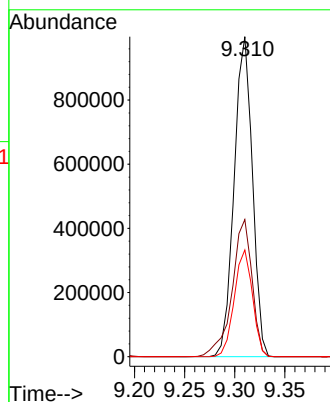
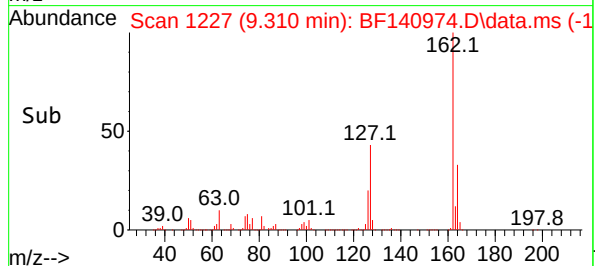
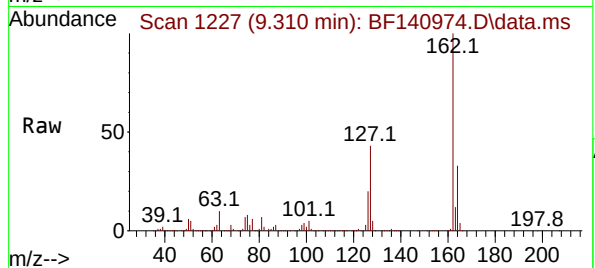
164 33.3 26.6 40.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#48

2-Nitroaniline

Concen: 38.138 ng

RT: 9.398 min Scan# 1242

Delta R.T. 0.000 min

Lab File: BF140974.D

Acq: 26 Dec 2024 18:06

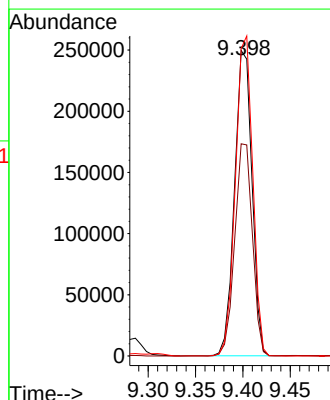
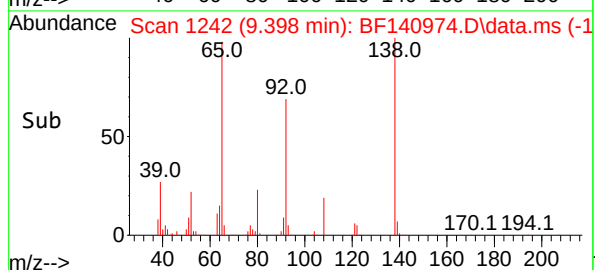
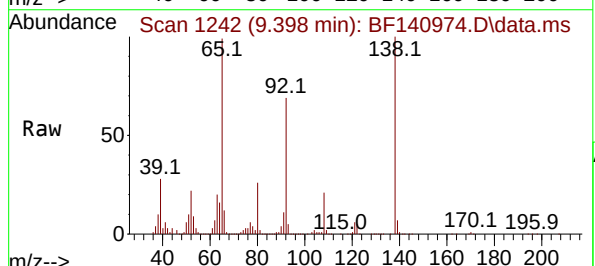
Tgt Ion: 65 Resp: 319958

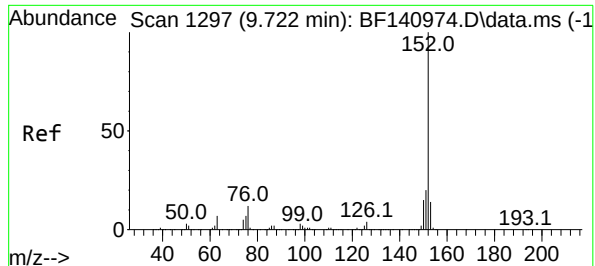
Ion Ratio Lower Upper

65 100

92 69.5 55.6 83.4

138 100.6 80.5 120.7





#49

Acenaphthylene

Concen: 38.706 ng

RT: 9.722 min Scan# 1297

Delta R.T. -0.000 min

Lab File: BF140974.D

Acq: 26 Dec 2024 18:06

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:152 Resp: 183775

Ion Ratio Lower Upper

152 100

151 20.3 16.2 24.4

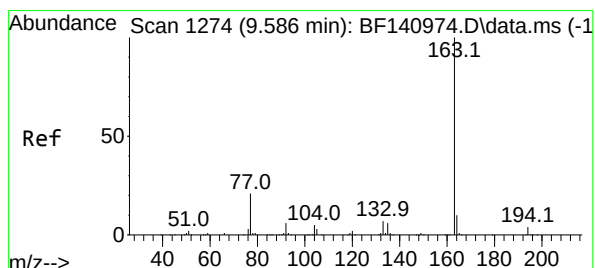
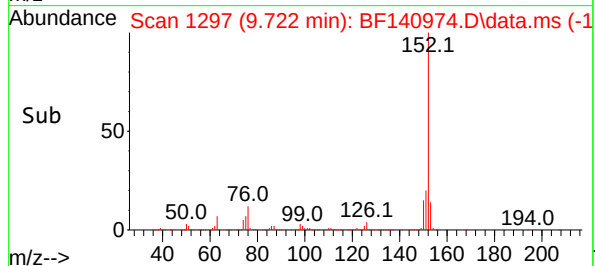
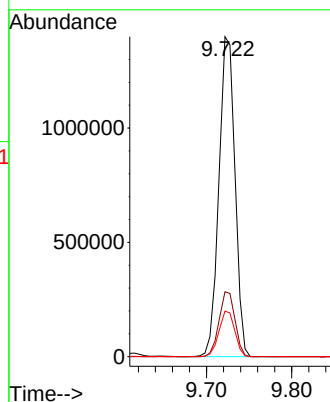
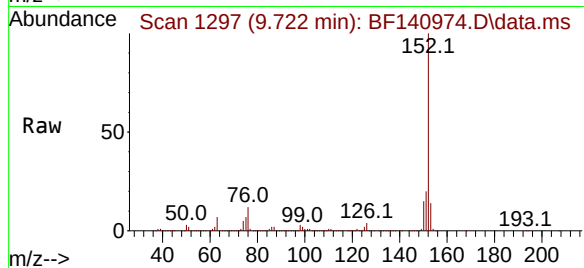
153 14.2 11.4 17.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#50

Dimethylphthalate

Concen: 39.074 ng

RT: 9.586 min Scan# 1274

Delta R.T. 0.000 min

Lab File: BF140974.D

Acq: 26 Dec 2024 18:06

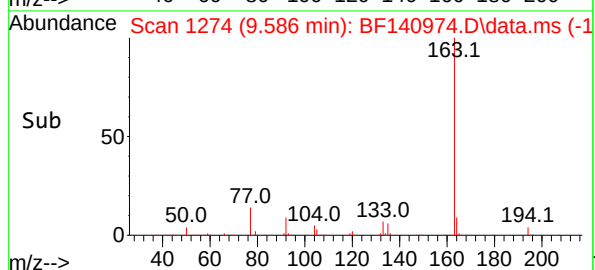
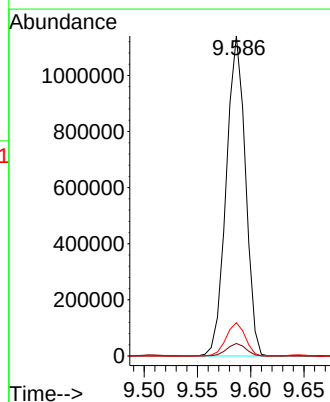
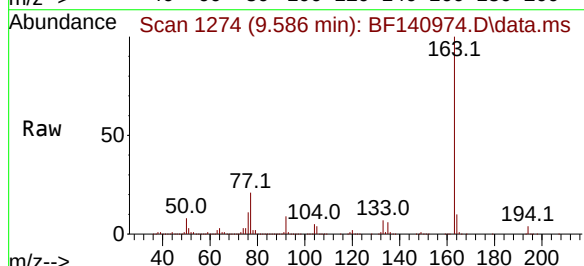
Tgt Ion:163 Resp: 1427475

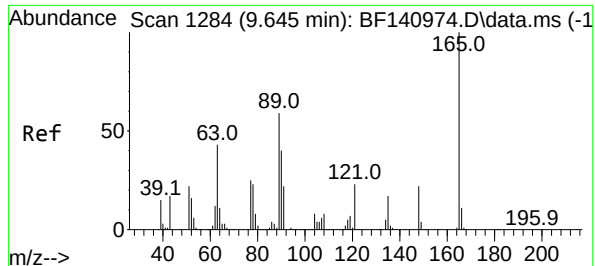
Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

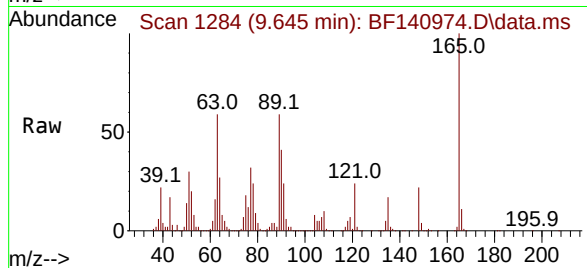
164 10.4 8.3 12.5





#51
2,6-Dinitrotoluene
Concen: 38.871 ng
RT: 9.645 min Scan# 1284
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

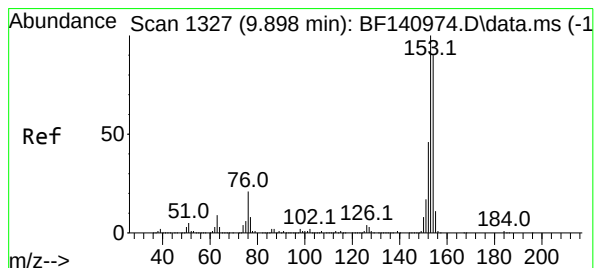
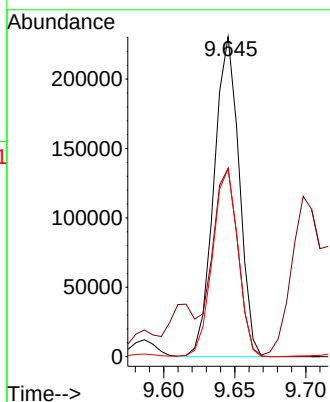
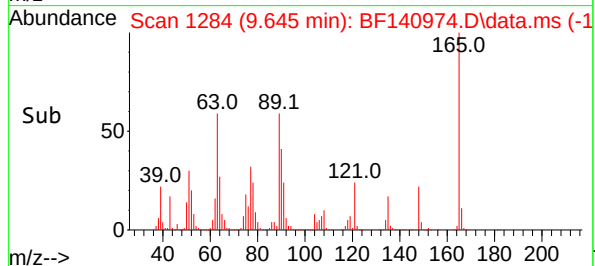
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:165 Resp: 283992
Ion Ratio Lower Upper
165 100
63 58.9 47.1 70.7
89 58.7 47.0 70.4

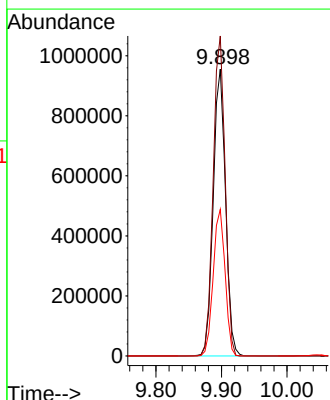
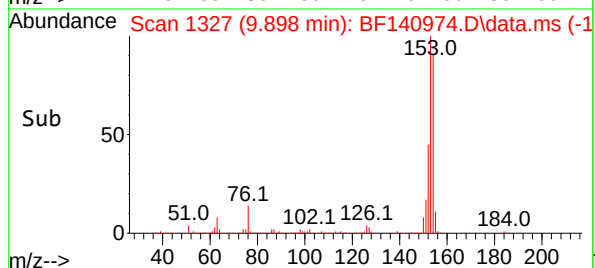
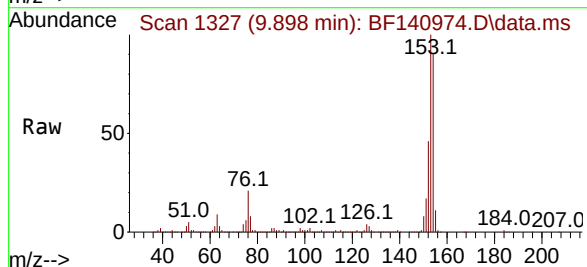
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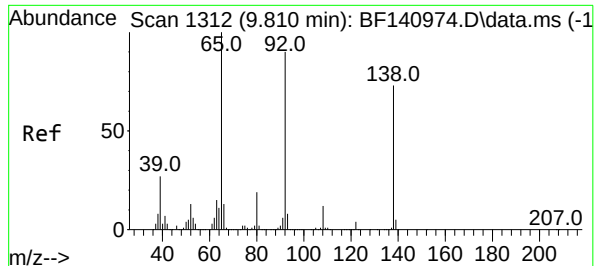
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#52
Acenaphthene
Concen: 38.737 ng
RT: 9.898 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

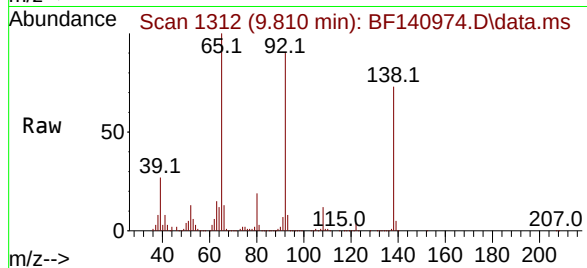
Tgt Ion:154 Resp: 1243394
Ion Ratio Lower Upper
154 100
153 111.5 89.2 133.8
152 51.1 40.9 61.3





#53
3-Nitroaniline
Concen: 39.221 ng
RT: 9.810 min Scan# 1312
Delta R.T. -0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

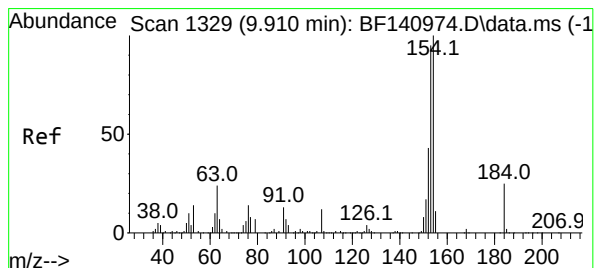
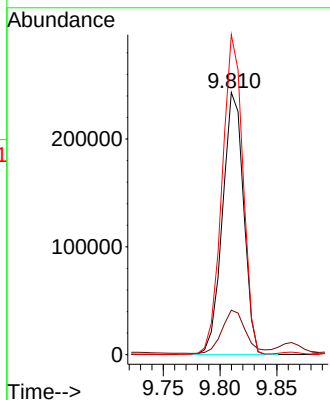
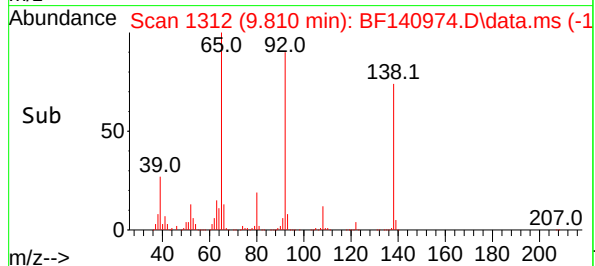
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:138 Resp: 312579
Ion Ratio Lower Upper
138 100
108 16.9 13.5 20.3
92 122.1 97.7 146.5

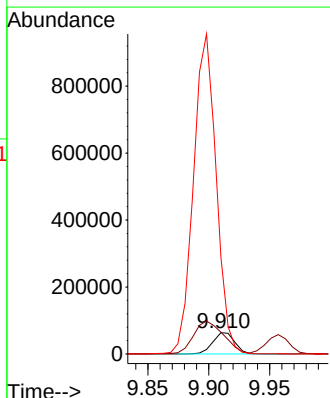
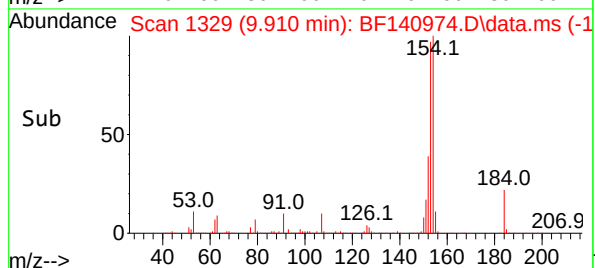
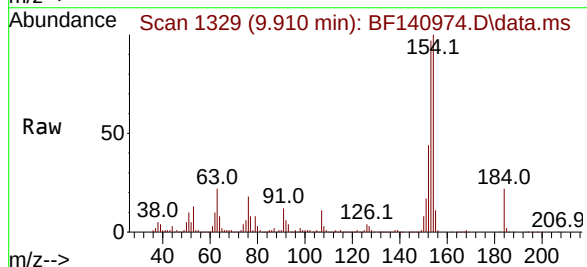
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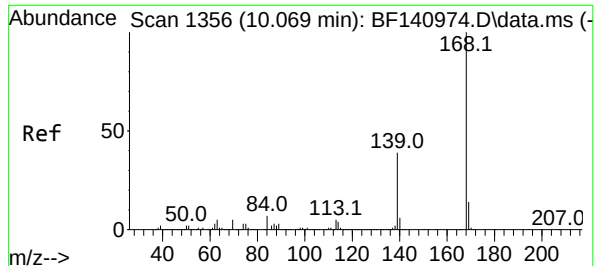
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#54
2,4-Dinitrophenol
Concen: 37.853 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:184 Resp: 79893
Ion Ratio Lower Upper
184 100
63 102.0 81.6 122.4
154 454.4 363.5 545.3





#55

Dibenzenofuran

Concen: 38.535 ng

RT: 10.069 min Scan# 1356

Delta R.T. 0.000 min

Lab File: BF140974.D

Acq: 26 Dec 2024 18:06

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:168 Resp: 173827

Ion Ratio Lower Upper

168 100

139 39.5 31.6 47.4

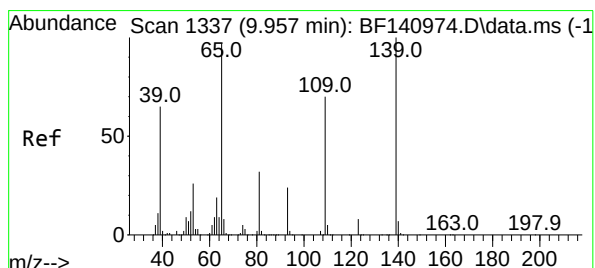
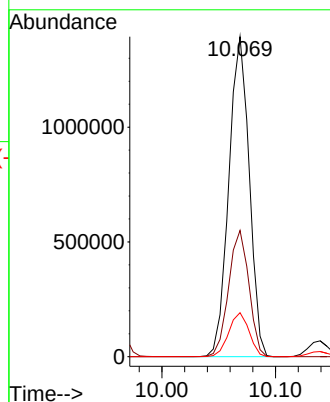
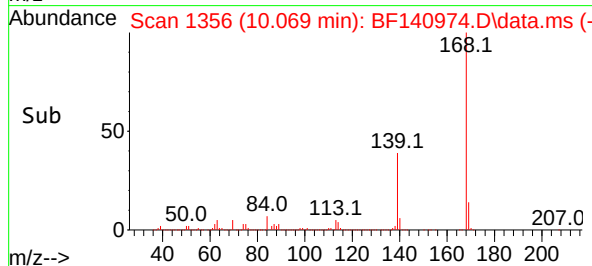
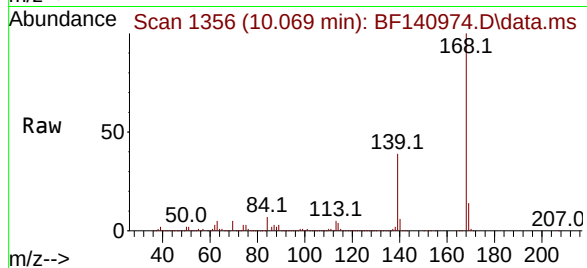
169 13.8 11.0 16.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#56

4-Nitrophenol

Concen: 40.744 ng

RT: 9.957 min Scan# 1337

Delta R.T. -0.000 min

Lab File: BF140974.D

Acq: 26 Dec 2024 18:06

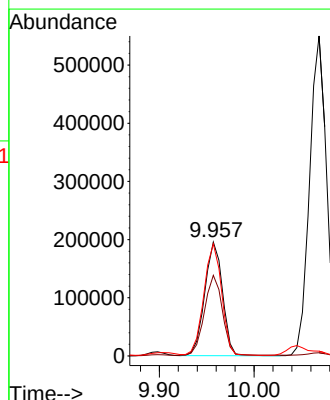
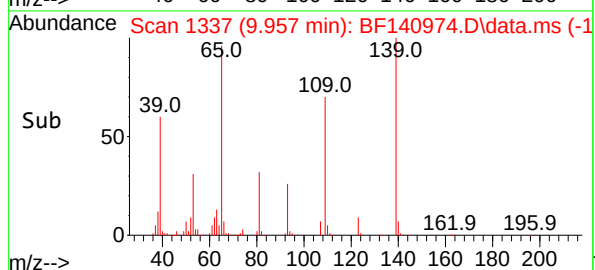
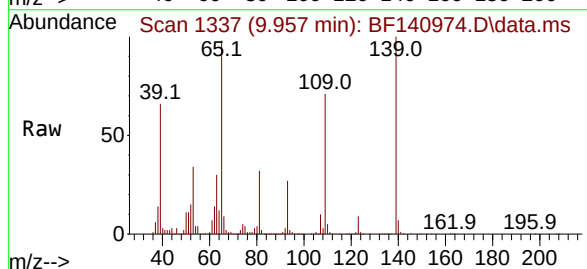
Tgt Ion:139 Resp: 254611

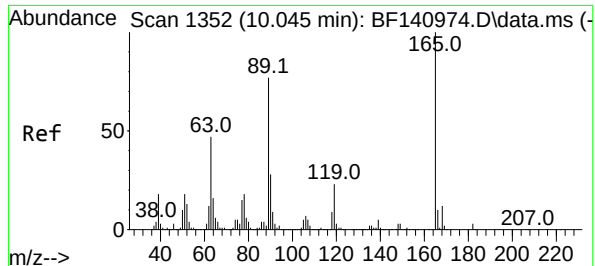
Ion Ratio Lower Upper

139 100

109 70.8 50.8 90.8

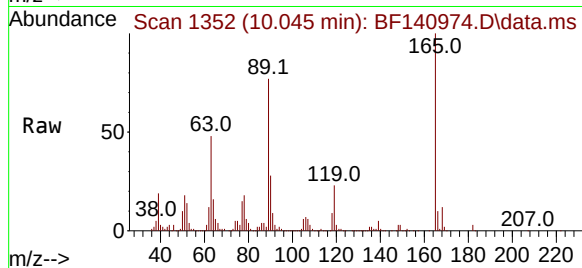
65 98.5 78.5 118.5





#57
2,4-Dinitrotoluene
Concen: 38.708 ng
RT: 10.045 min Scan# 1352
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

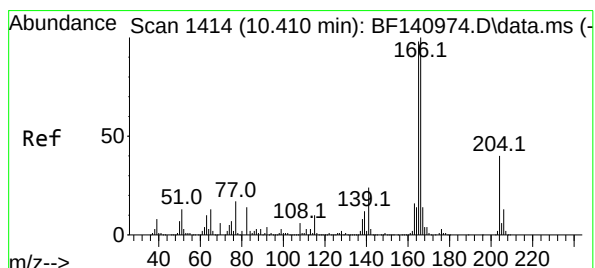
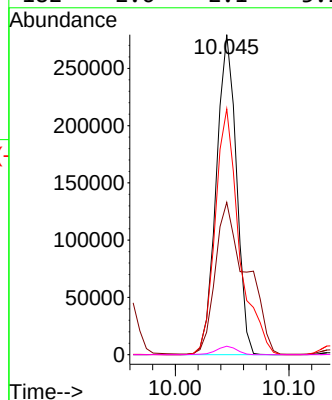
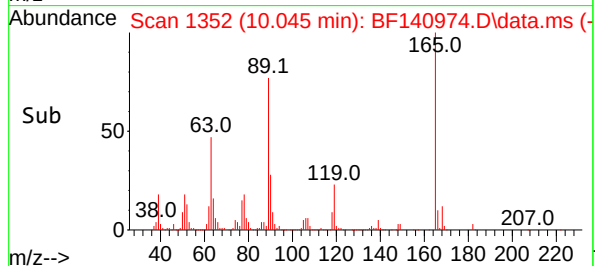
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:165 Resp: 344129
Ion Ratio Lower Upper
165 100
63 47.6 38.1 57.1
89 76.8 61.4 92.2
182 2.6 2.1 3.1

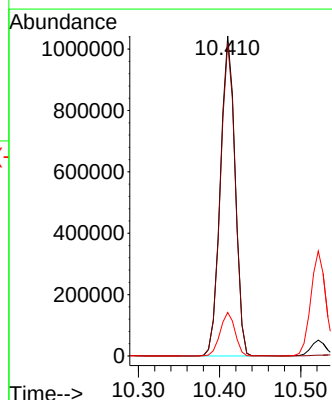
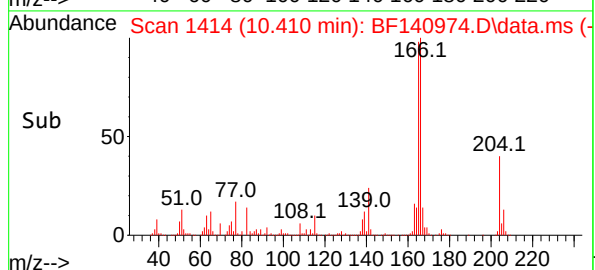
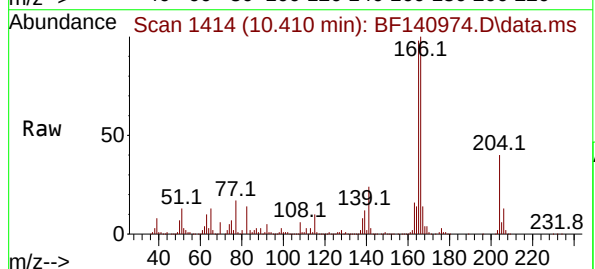
Manual Integrations
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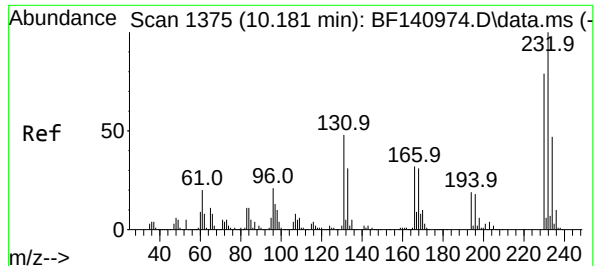
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#58
Fluorene
Concen: 37.844 ng
RT: 10.410 min Scan# 1414
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

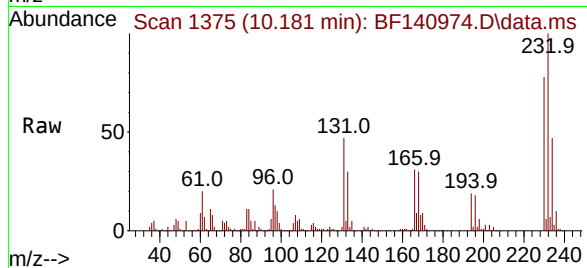
Tgt Ion:166 Resp: 1323793
Ion Ratio Lower Upper
166 100
165 97.9 78.3 117.5
167 13.6 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 40.453 ng
RT: 10.181 min Scan# 1375
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

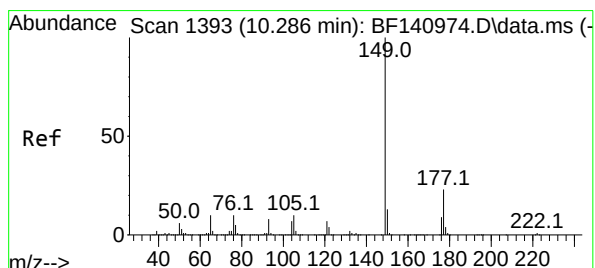
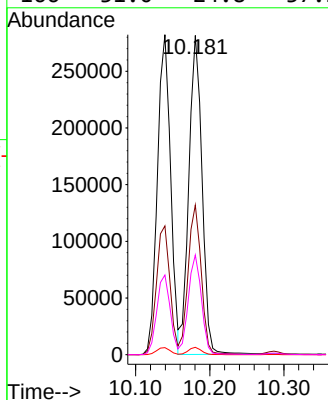
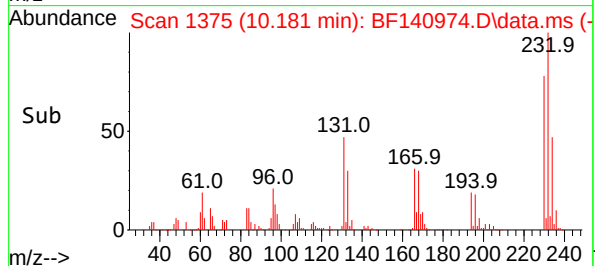
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



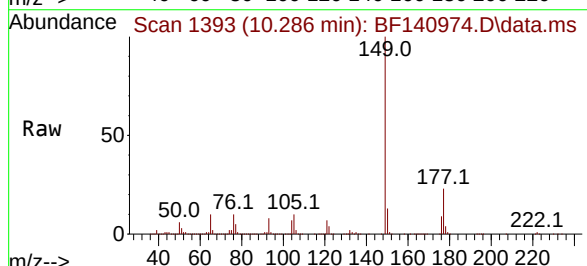
Tgt Ion:232 Resp: 34860
Ion Ratio Lower Upper
232 100
131 46.8 37.4 56.2
130 2.3 1.8 2.8
166 31.0 24.8 37.2

Manual Integrations
APPROVED

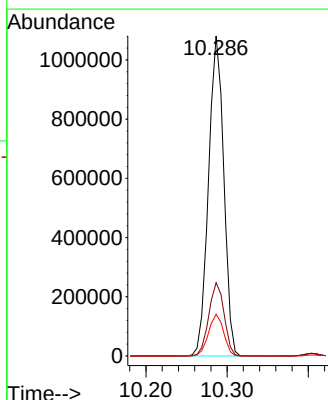
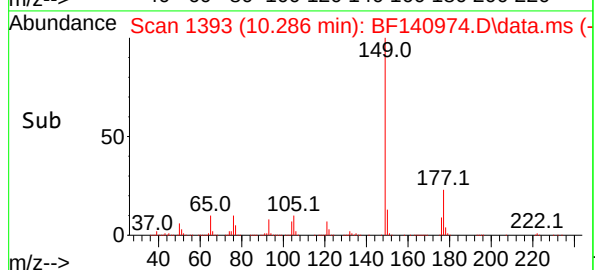
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

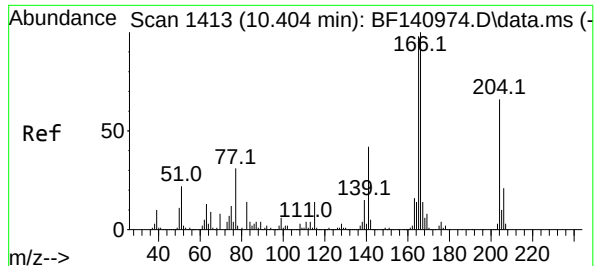


#60
Diethylphthalate
Concen: 38.988 ng
RT: 10.286 min Scan# 1393
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06



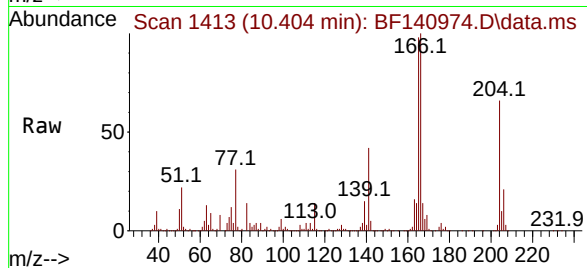
Tgt Ion:149 Resp: 1406132
Ion Ratio Lower Upper
149 100
177 22.9 18.3 27.5
150 13.0 10.4 15.6





#61
4-Chlorophenyl-phenylether
Concen: 38.186 ng
RT: 10.404 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

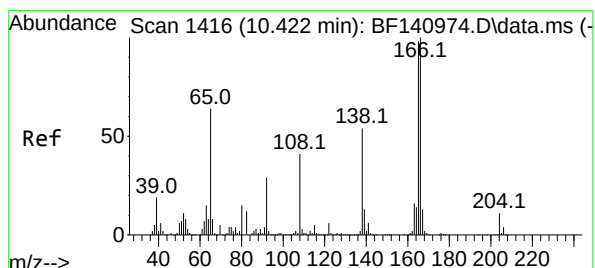
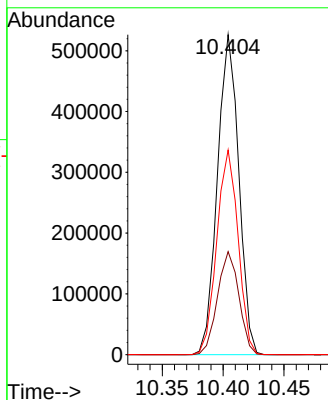
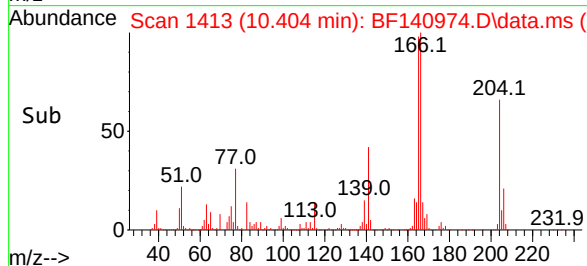
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



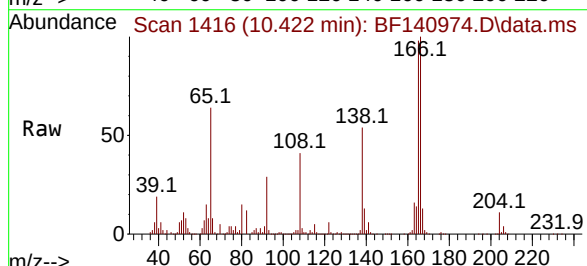
Tgt Ion:204 Resp: 642732
Ion Ratio Lower Upper
204 100
206 32.2 25.8 38.6
141 64.0 51.2 76.8

Manual Integrations
APPROVED

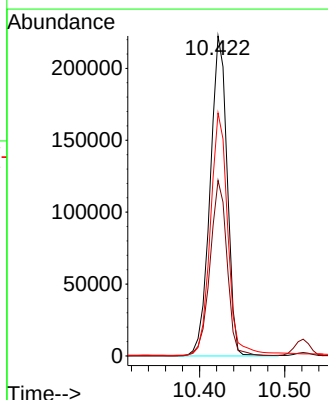
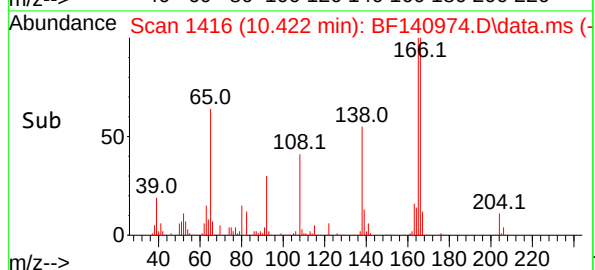
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

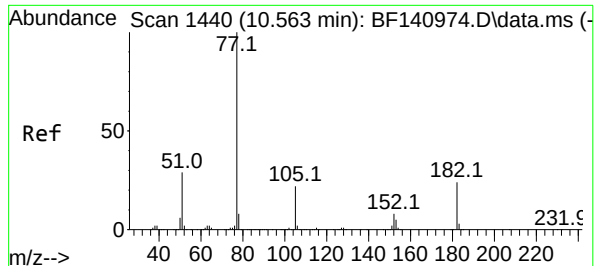


#62
4-Nitroaniline
Concen: 38.897 ng
RT: 10.422 min Scan# 1416
Delta R.T. -0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06



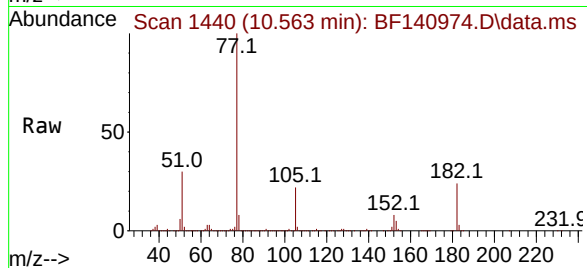
Tgt Ion:138 Resp: 309322
Ion Ratio Lower Upper
138 100
92 54.8 34.8 74.8
108 75.9 55.9 95.9





#63
Azobenzene
Concen: 38.712 ng
RT: 10.563 min Scan# 1440
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

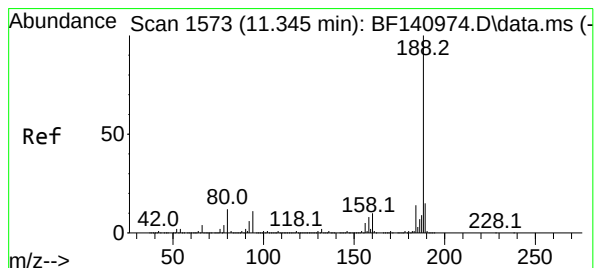
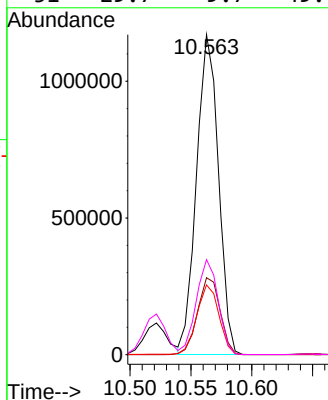
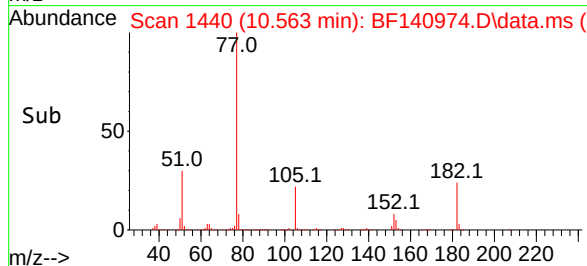
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion: 77 Resp: 146545
Ion Ratio Lower Upper
77 100
182 24.1 4.1 44.1
105 21.8 1.8 41.8
51 29.7 9.7 49.7

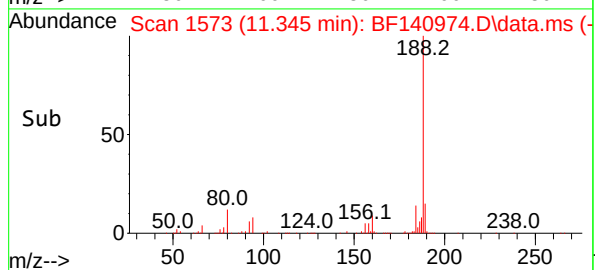
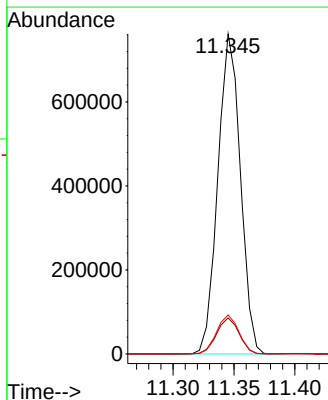
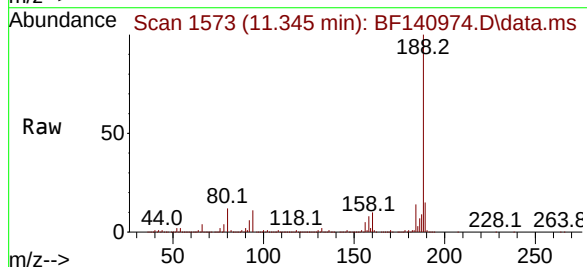
Manual Integrations
APPROVED

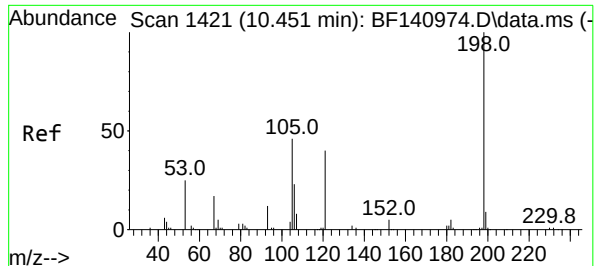
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1573
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:188 Resp: 980435
Ion Ratio Lower Upper
188 100
94 11.3 9.0 13.6
80 12.2 9.8 14.6





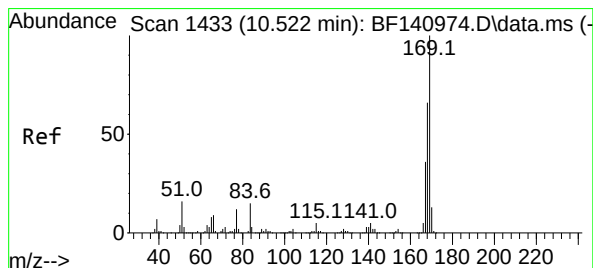
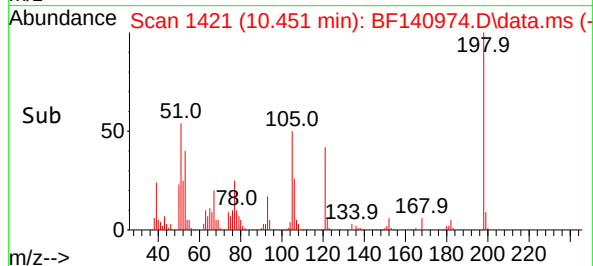
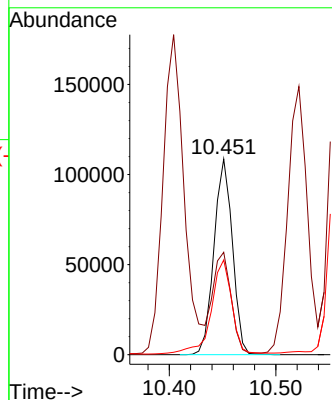
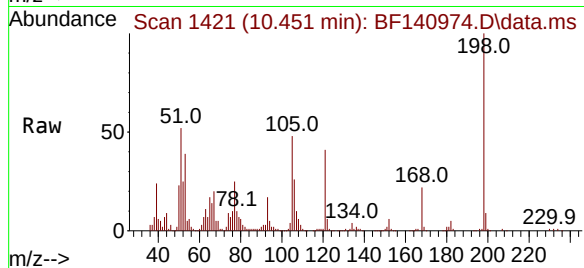
#65
4,6-Dinitro-2-methylphenol
Concen: 36.204 ng
RT: 10.451 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:198 Resp: 130378
Ion Ratio Lower Upper
198 100
51 52.3 32.3 72.3
105 48.4 28.4 68.4

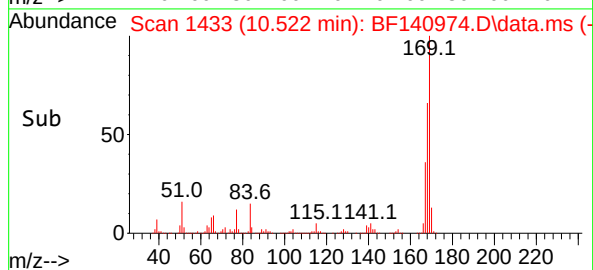
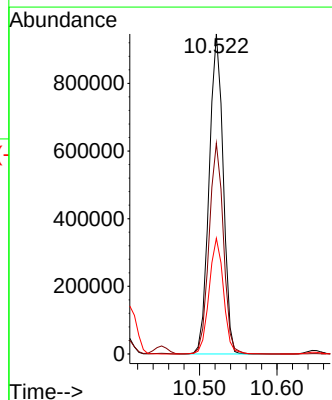
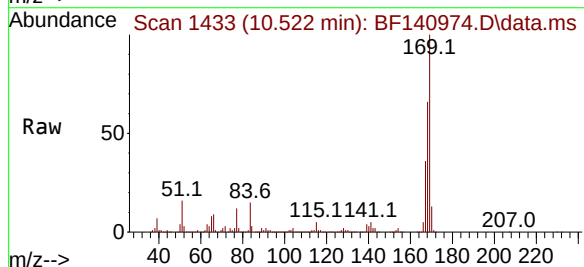
Manual Integrations
APPROVED

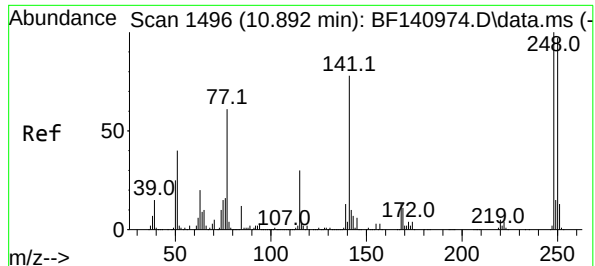
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#66
n-Nitrosodiphenylamine
Concen: 38.454 ng
RT: 10.522 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

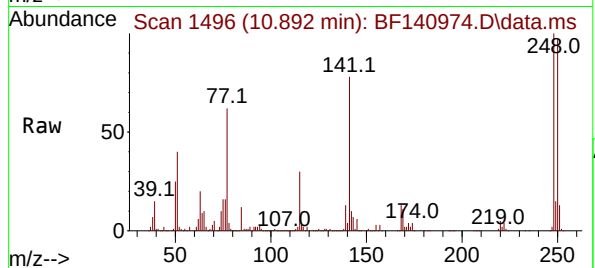
Tgt Ion:169 Resp: 1187207
Ion Ratio Lower Upper
169 100
168 65.8 52.6 79.0
167 36.2 29.0 43.4





#67
4-Bromophenyl-phenylether
Concen: 39.329 ng
RT: 10.892 min Scan# 1496
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

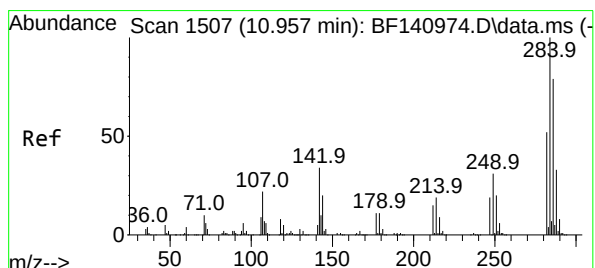
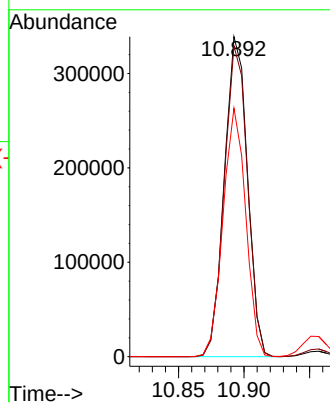
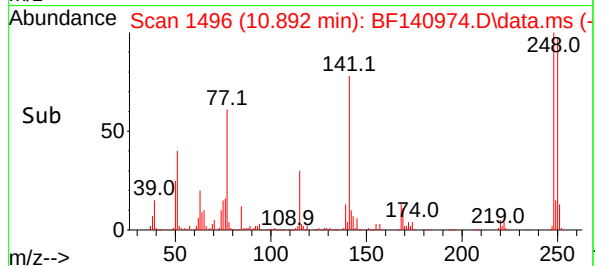
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:248 Resp: 416835
Ion Ratio Lower Upper
248 100
250 97.1 77.7 116.5
141 77.6 62.1 93.1

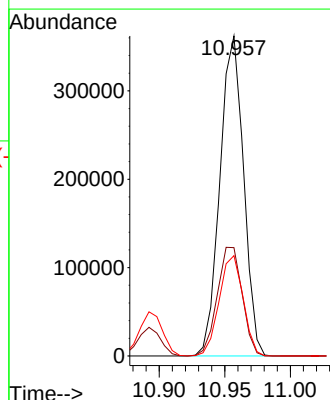
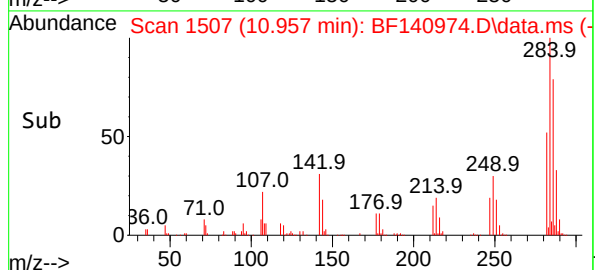
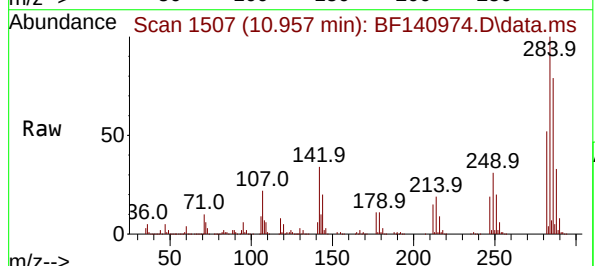
Manual Integrations
APPROVED

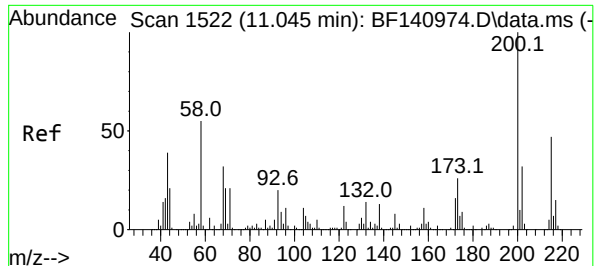
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#68
Hexachlorobenzene
Concen: 38.863 ng
RT: 10.957 min Scan# 1507
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:284 Resp: 454182
Ion Ratio Lower Upper
284 100
142 33.9 27.1 40.7
249 31.4 25.1 37.7





#69

Atrazine

Concen: 35.559 ng

RT: 11.045 min Scan# 1522

Delta R.T. 0.000 min

Lab File: BF140974.D

Acq: 26 Dec 2024 18:06

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:200 Resp: 306702

Ion Ratio Lower Upper

200 100

173 26.4 6.4 46.4

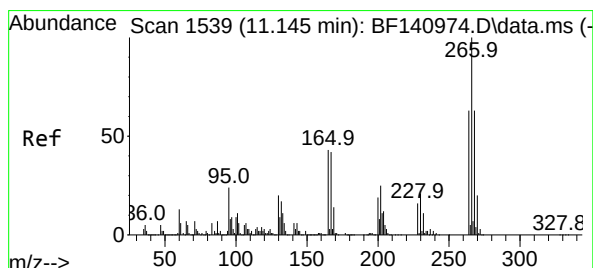
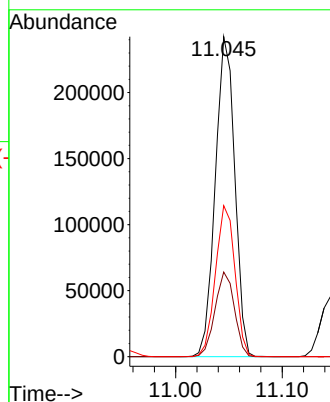
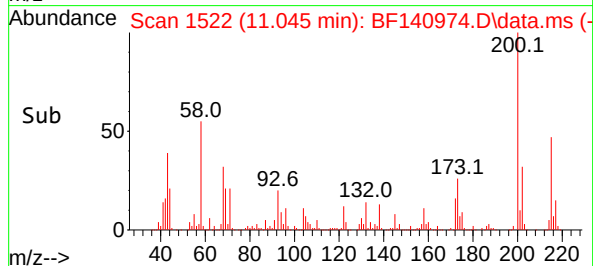
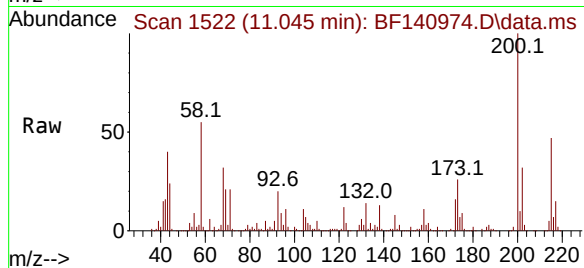
215 47.2 27.2 67.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#70

Pentachlorophenol

Concen: 41.789 ng

RT: 11.145 min Scan# 1539

Delta R.T. 0.000 min

Lab File: BF140974.D

Acq: 26 Dec 2024 18:06

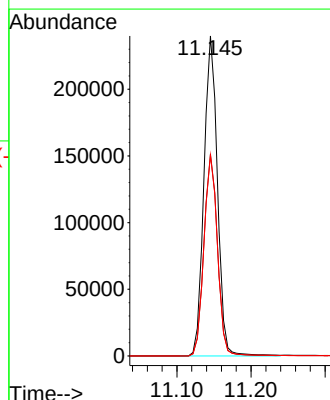
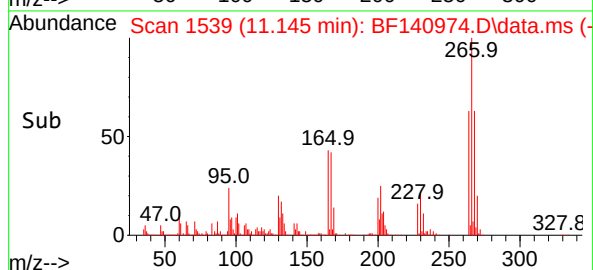
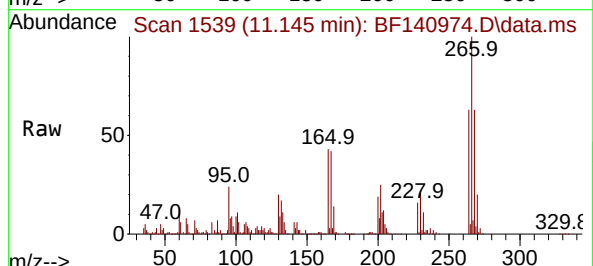
Tgt Ion:266 Resp: 304066

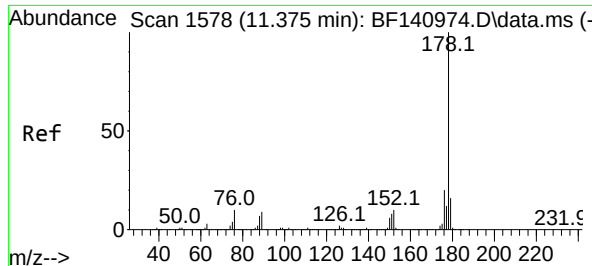
Ion Ratio Lower Upper

266 100

268 63.1 50.5 75.7

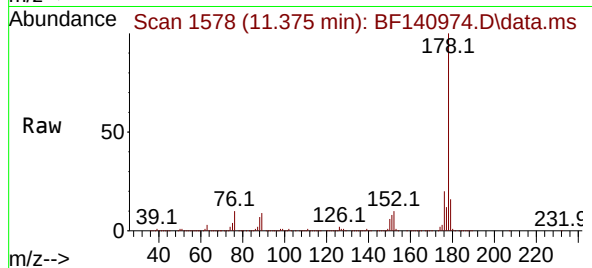
264 62.8 50.2 75.4





#71
Phenanthrene
Concen: 38.179 ng
RT: 11.375 min Scan# 1578
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

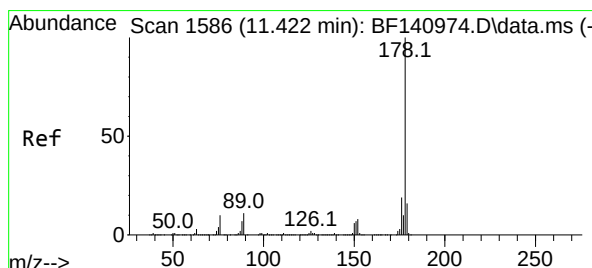
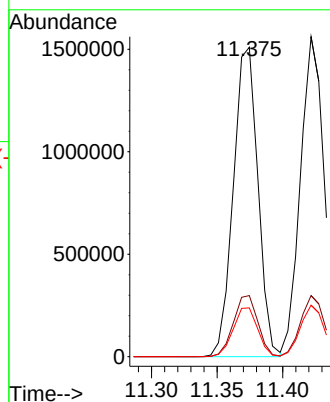
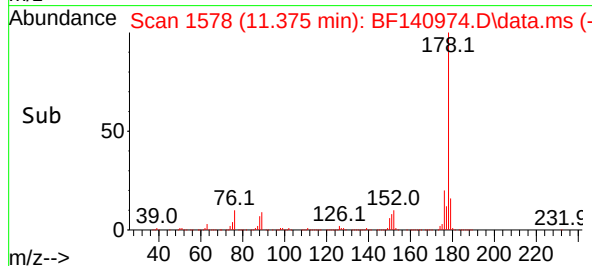
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:178 Resp: 1970080
Ion Ratio Lower Upper
178 100
176 19.7 15.8 23.6
179 15.8 12.6 19.0

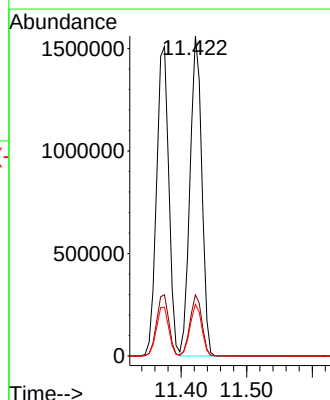
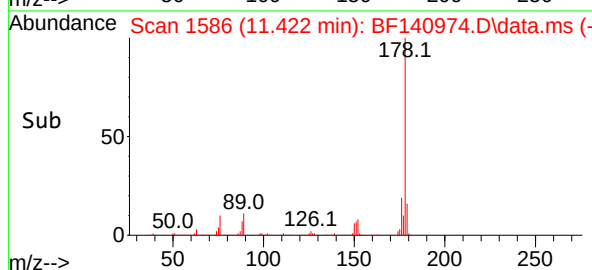
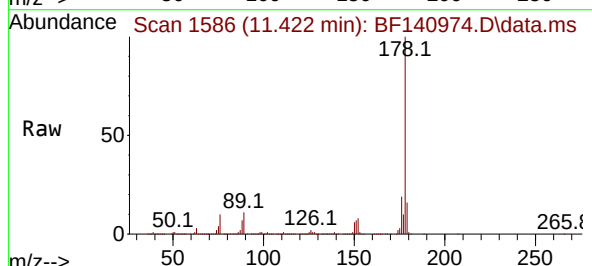
Manual Integrations
APPROVED

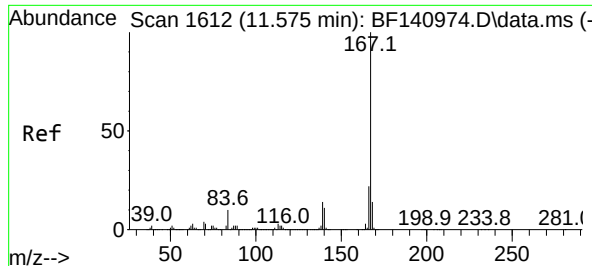
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#72
Anthracene
Concen: 38.437 ng
RT: 11.422 min Scan# 1586
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

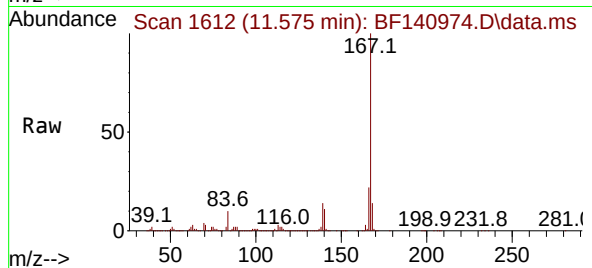
Tgt Ion:178 Resp: 1943496
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 16.1 12.9 19.3





#73
 Carbazole
 Concen: 38.188 ng
 RT: 11.575 min Scan# 1612
 Delta R.T. 0.000 min
 Lab File: BF140974.D
 Acq: 26 Dec 2024 18:06

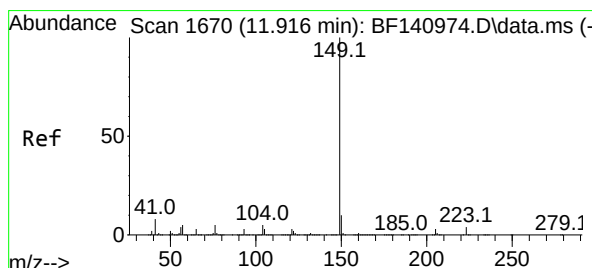
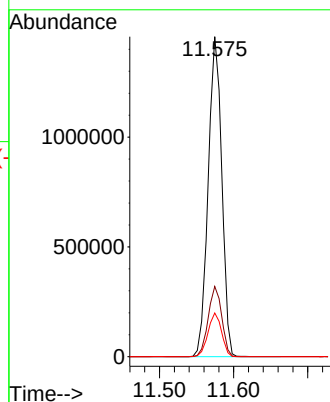
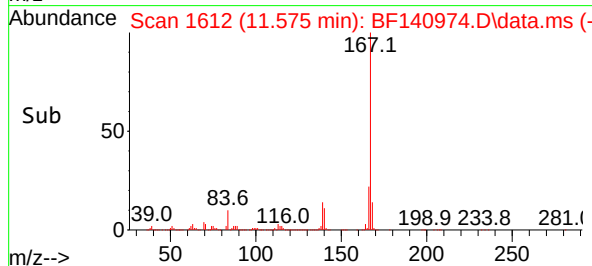
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC040



Tgt Ion:167 Resp: 185620
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.5 26.3
 139 13.7 11.0 16.4

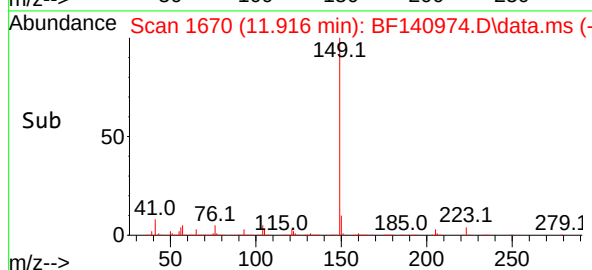
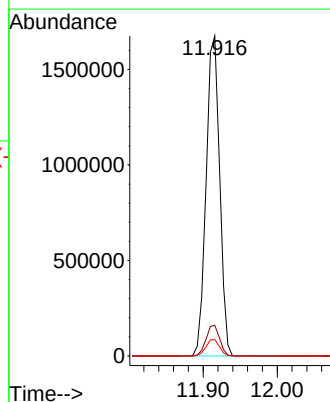
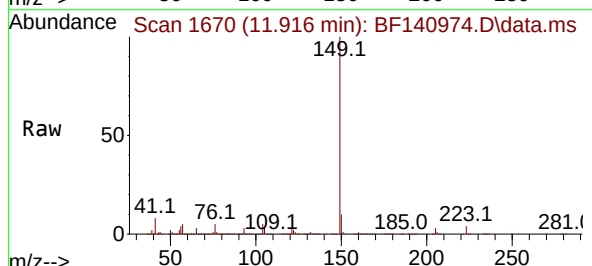
Manual Integrations
 APPROVED

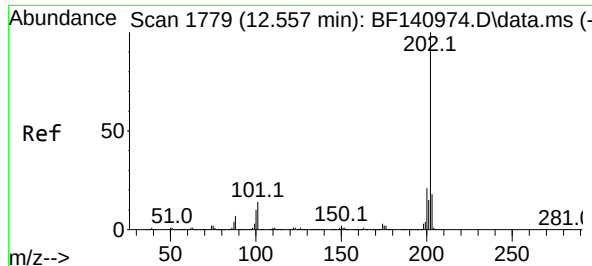
Reviewed By :Yogesh Patel 12/27/2024
 Supervised By :mohammad ahmed 12/27/2024



#74
 Di-n-butylphthalate
 Concen: 38.425 ng
 RT: 11.916 min Scan# 1670
 Delta R.T. 0.000 min
 Lab File: BF140974.D
 Acq: 26 Dec 2024 18:06

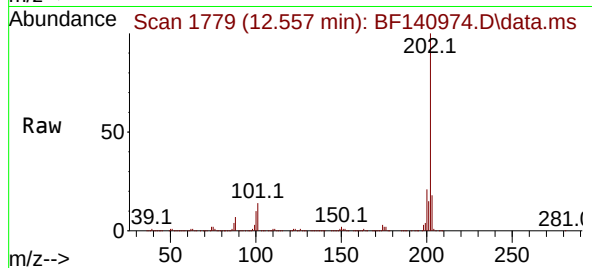
Tgt Ion:149 Resp: 2124340
 Ion Ratio Lower Upper
 149 100
 150 9.6 7.7 11.5
 104 5.1 4.1 6.1





#75
Fluoranthene
Concen: 38.240 ng
RT: 12.557 min Scan# 1779
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

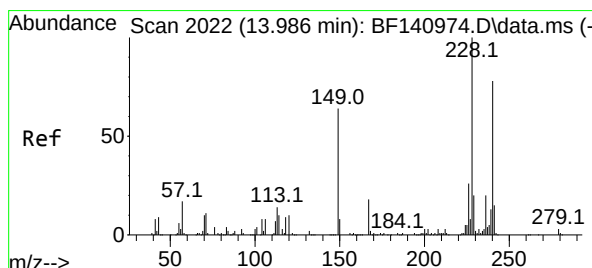
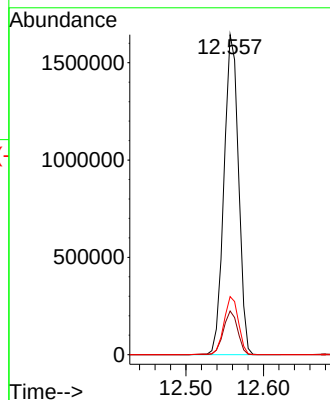
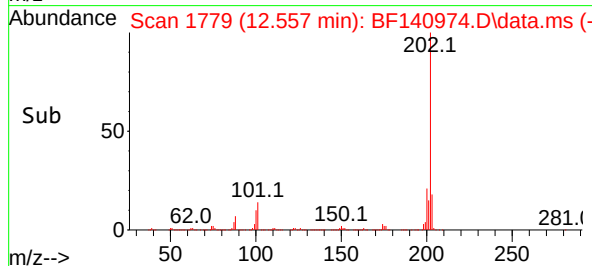
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:202 Resp: 214011
Ion Ratio Lower Upper
202 100
101 13.7 0.0 33.7
203 18.1 0.0 38.1

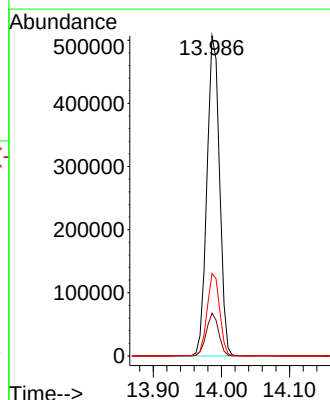
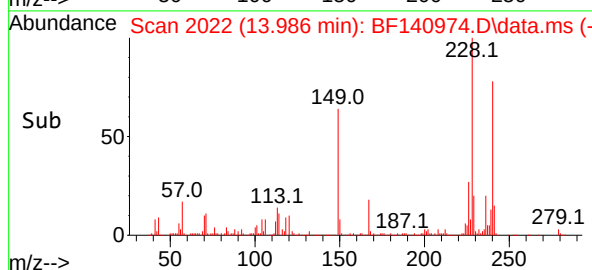
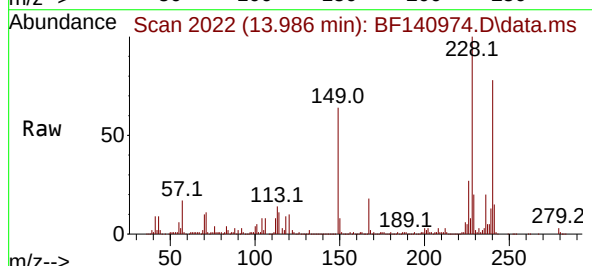
Manual Integrations
APPROVED

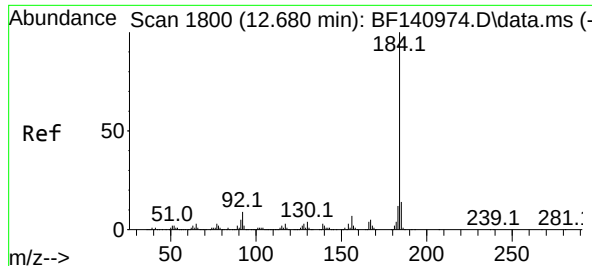
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 2022
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

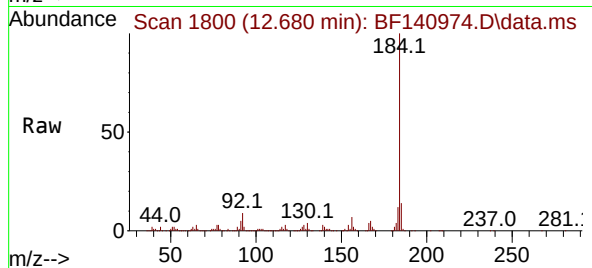
Tgt Ion:240 Resp: 652144
Ion Ratio Lower Upper
240 100
120 13.4 10.7 16.1
236 25.8 20.6 31.0





#77
Benzidine
Concen: 39.248 ng
RT: 12.680 min Scan# 1800
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

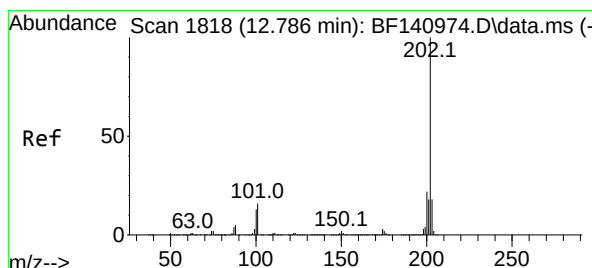
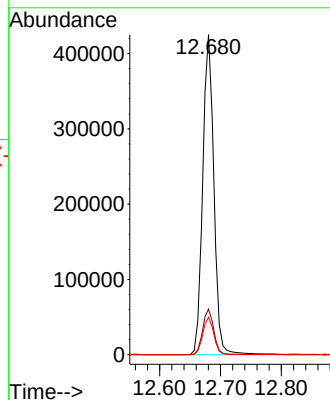
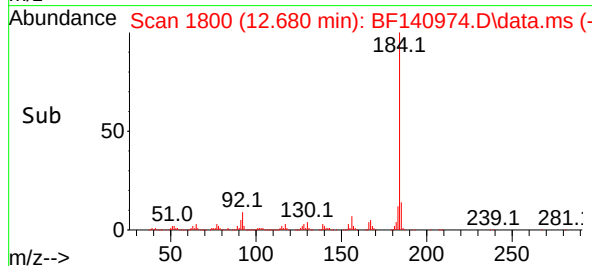
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:184 Resp: 540933
Ion Ratio Lower Upper
184 100
185 14.3 11.4 17.2
183 11.7 9.4 14.0

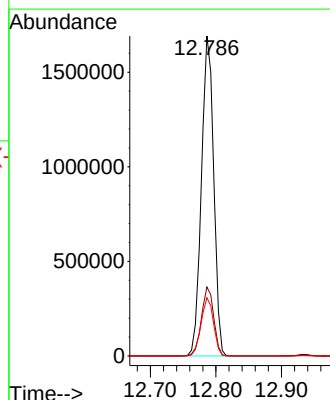
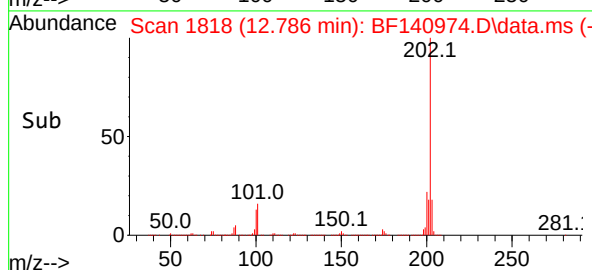
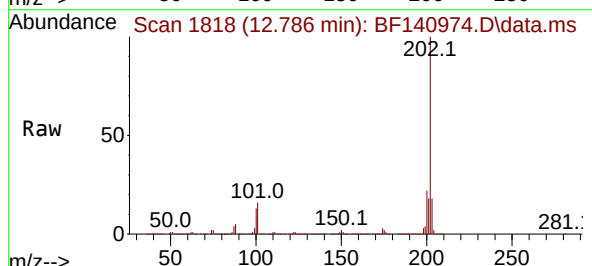
Manual Integrations
APPROVED

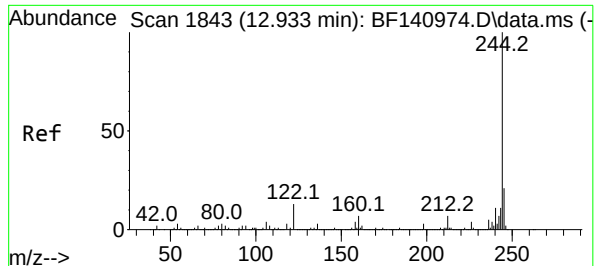
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#78
Pyrene
Concen: 38.693 ng
RT: 12.786 min Scan# 1818
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:202 Resp: 2206885
Ion Ratio Lower Upper
202 100
200 21.6 17.3 25.9
203 18.2 14.6 21.8





#79

Terphenyl-d14

Concen: 75.816 ng

RT: 12.933 min Scan# 1843

Delta R.T. 0.000 min

Lab File: BF140974.D

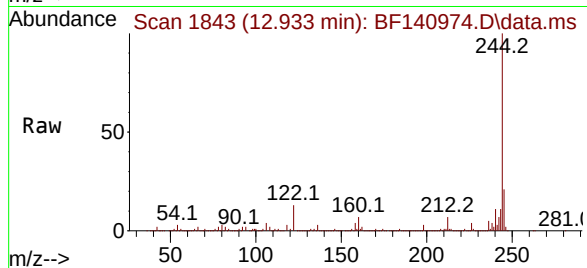
Acq: 26 Dec 2024 18:06

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040



Tgt Ion:244 Resp: 2976692

Ion Ratio Lower Upper

244 100

212 7.1 5.7 8.5

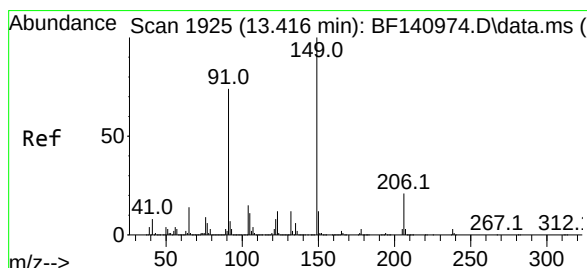
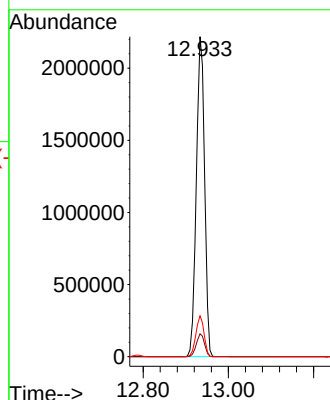
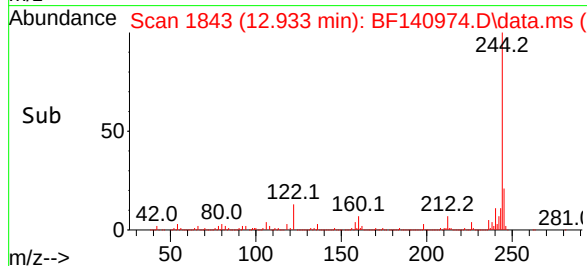
122 12.7 10.2 15.2

Manual Integrations

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Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#80

Butylbenzylphthalate

Concen: 41.109 ng

RT: 13.416 min Scan# 1925

Delta R.T. 0.000 min

Lab File: BF140974.D

Acq: 26 Dec 2024 18:06

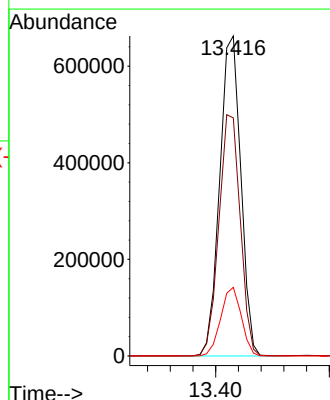
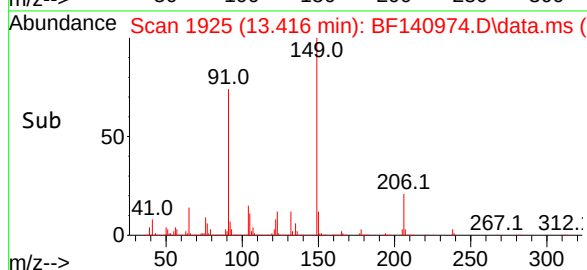
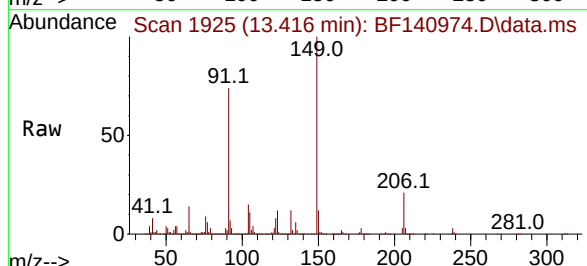
Tgt Ion:149 Resp: 856154

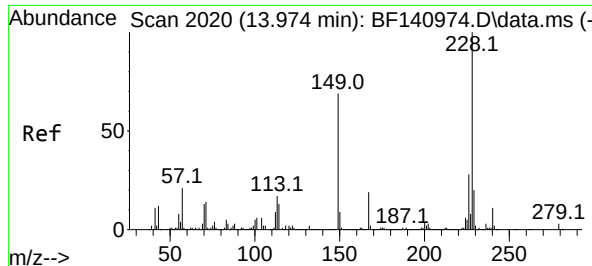
Ion Ratio Lower Upper

149 100

91 74.4 59.5 89.3

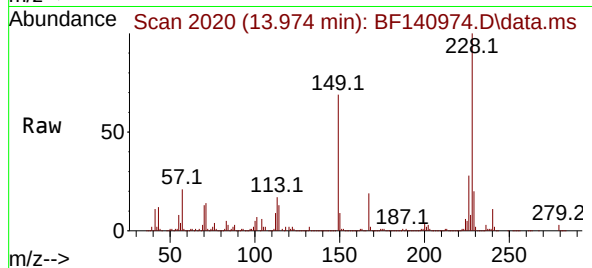
206 21.4 17.1 25.7





#81
Benzo(a)anthracene
Concen: 39.297 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

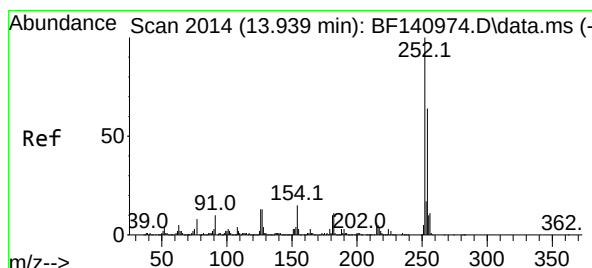
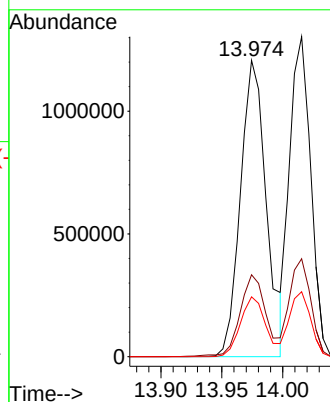
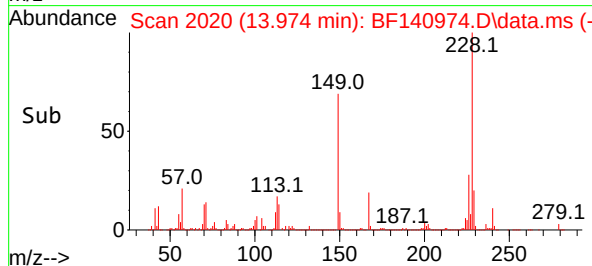
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:228 Resp: 1786080
Ion Ratio Lower Upper
228 100
226 27.6 22.1 33.1
229 20.2 16.2 24.2

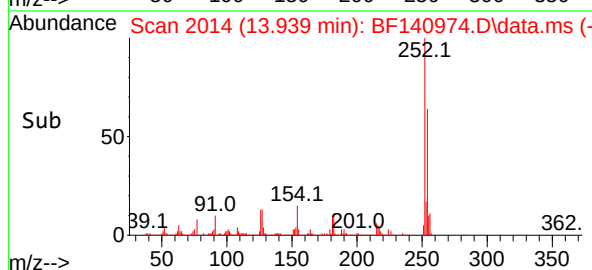
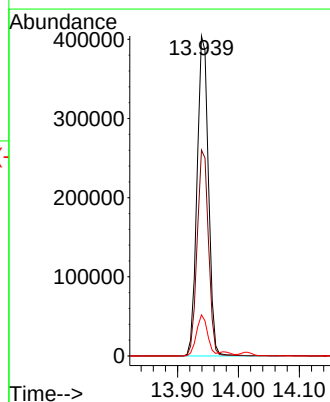
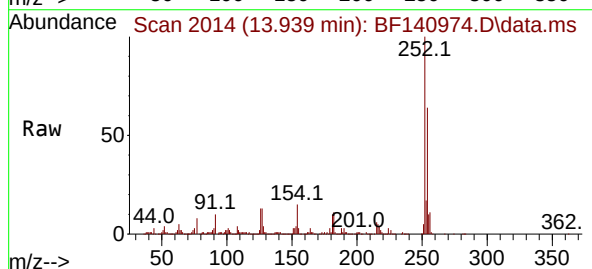
Manual Integrations
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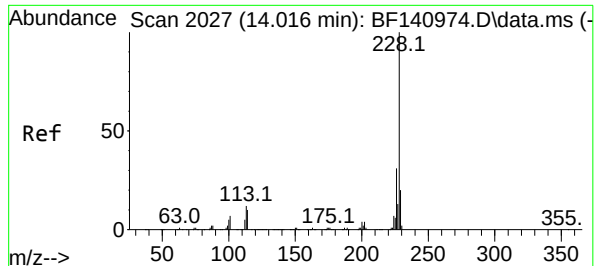
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#82
3,3'-Dichlorobenzidine
Concen: 38.446 ng
RT: 13.939 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

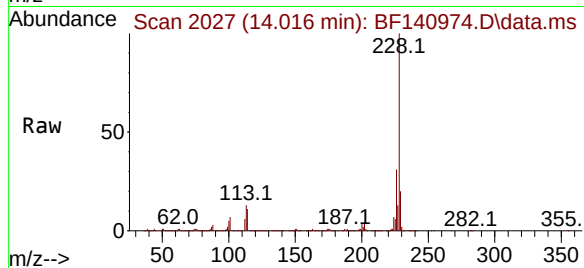
Tgt Ion:252 Resp: 524994
Ion Ratio Lower Upper
252 100
254 64.4 51.5 77.3
126 12.9 10.3 15.5





#83
Chrysene
Concen: 38.441 ng
RT: 14.016 min Scan# 2027
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

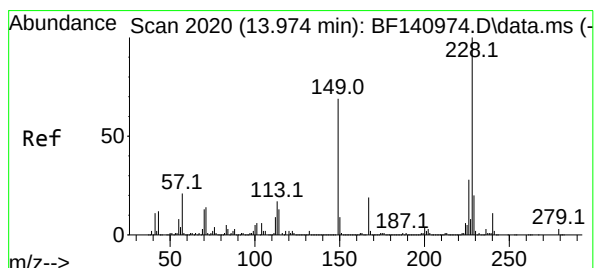
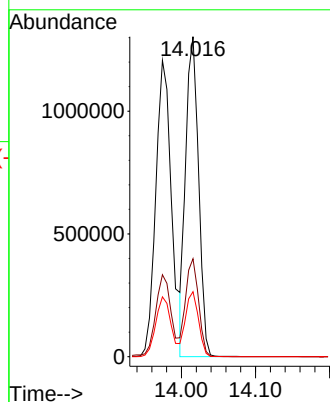
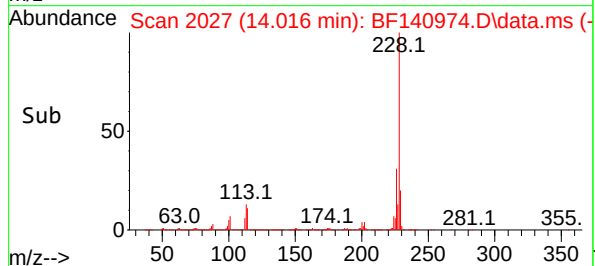
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:228 Resp: 1574990
Ion Ratio Lower Upper
228 100
226 30.6 24.5 36.7
229 20.3 16.2 24.4

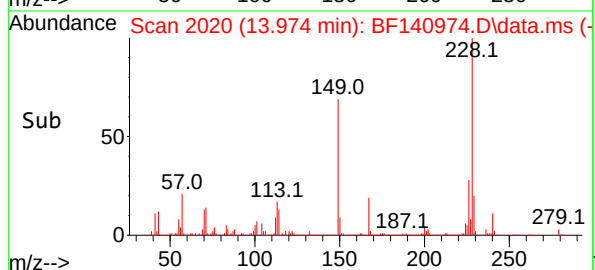
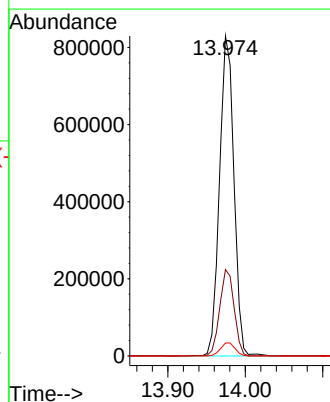
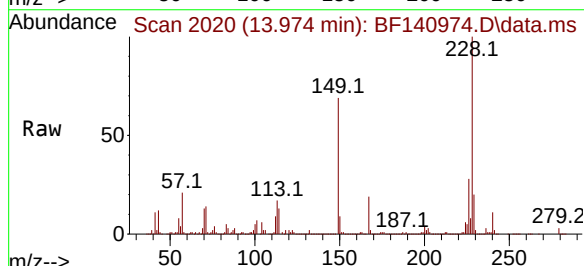
Manual Integrations
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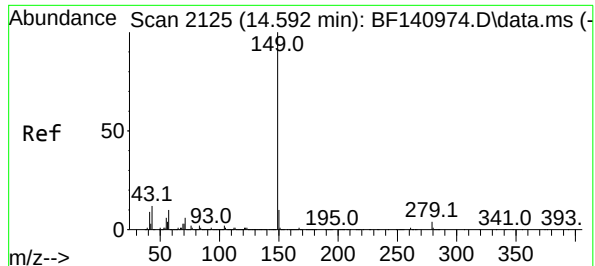
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#84
Bis(2-ethylhexyl)phthalate
Concen: 39.607 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

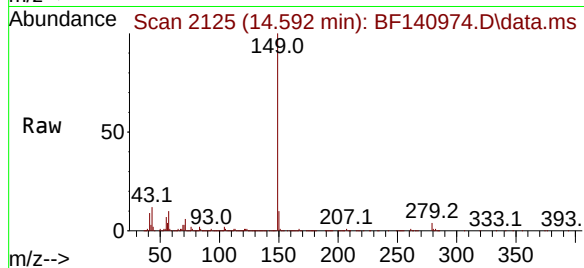
Tgt Ion:149 Resp: 1069992
Ion Ratio Lower Upper
149 100
167 27.0 21.6 32.4
279 4.0 3.2 4.8





#85
Di-n-octyl phthalate
Concen: 39.982 ng
RT: 14.592 min Scan# 2125
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

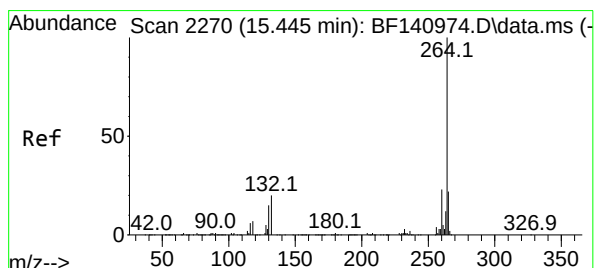
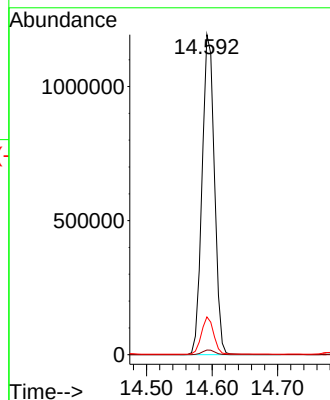
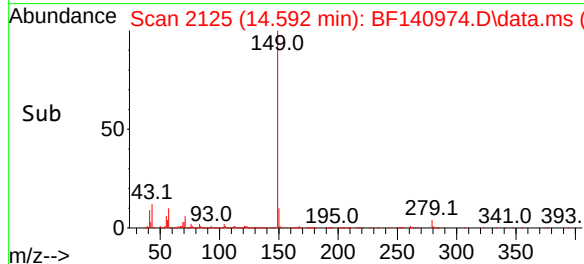
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:149 Resp: 156331
Ion Ratio Lower Upper
149 100
167 1.5 1.2 1.8
43 11.6 9.3 13.9

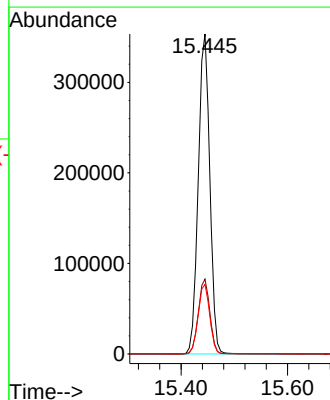
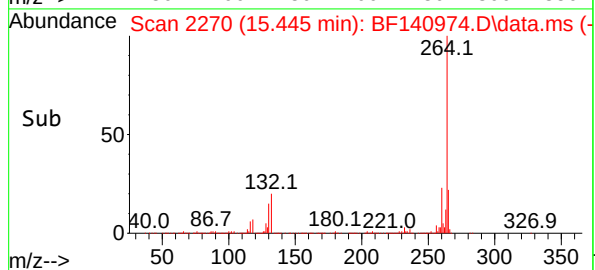
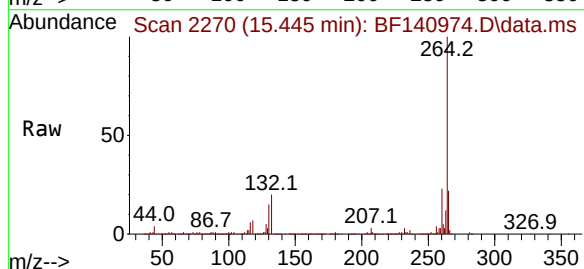
Manual Integrations
APPROVED

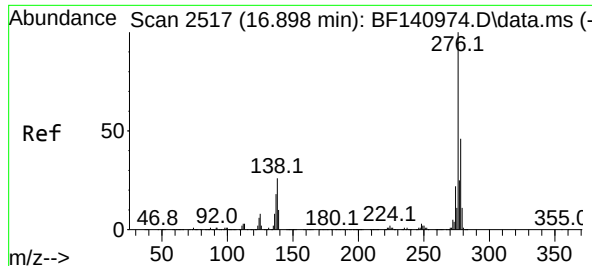
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

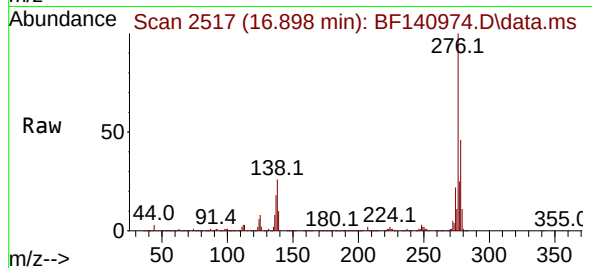
Tgt Ion:264 Resp: 531798
Ion Ratio Lower Upper
264 100
260 23.4 18.7 28.1
265 21.8 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 41.609 ng
RT: 16.898 min Scan# 2198
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

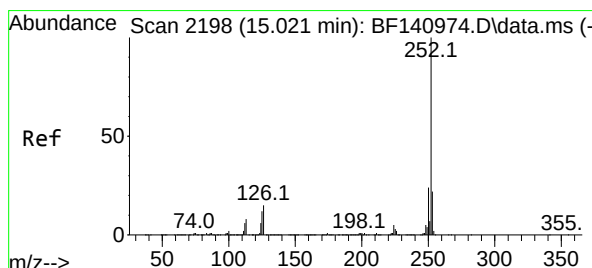
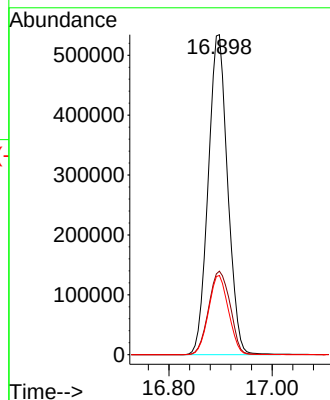
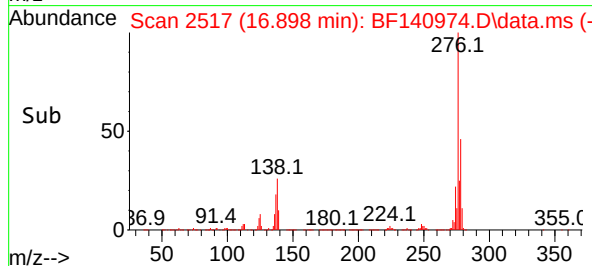
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:276 Resp: 139410
Ion Ratio Lower Upper
276 100
138 28.9 23.1 34.7
277 25.5 20.4 30.6

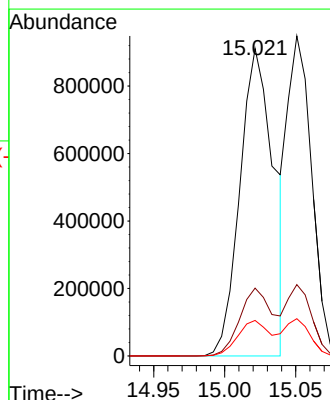
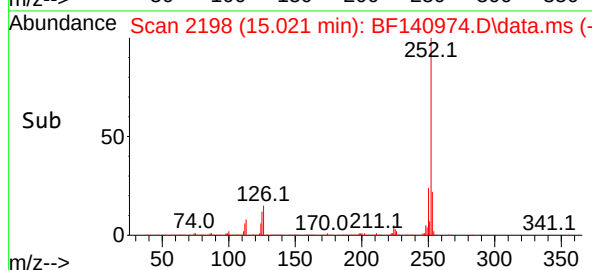
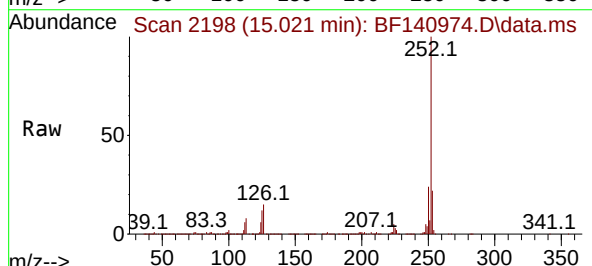
Manual Integrations
APPROVED

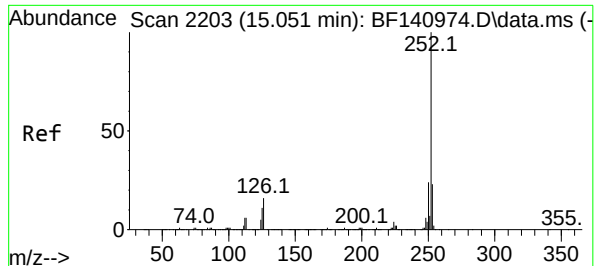
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#88
Benzo(b)fluoranthene
Concen: 40.626 ng
RT: 15.021 min Scan# 2198
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:252 Resp: 1506798
Ion Ratio Lower Upper
252 100
253 22.1 17.7 26.5
125 11.6 9.3 13.9





#89

Benzo(k)fluoranthene

Concen: 38.976 ng

RT: 15.051 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF140974.D

Acq: 26 Dec 2024 18:06

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:252 Resp: 113302

Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.8

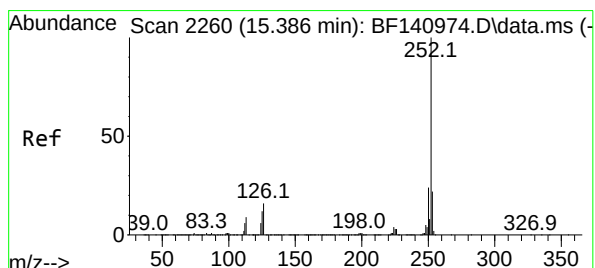
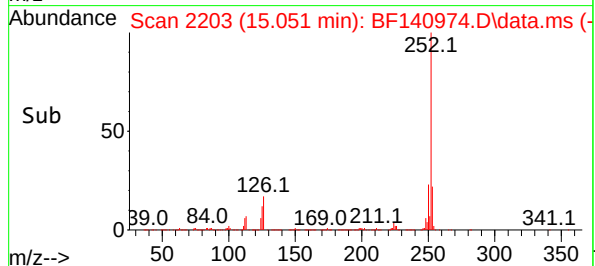
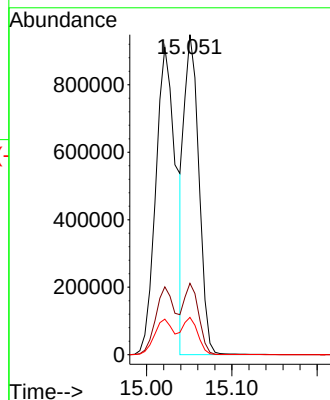
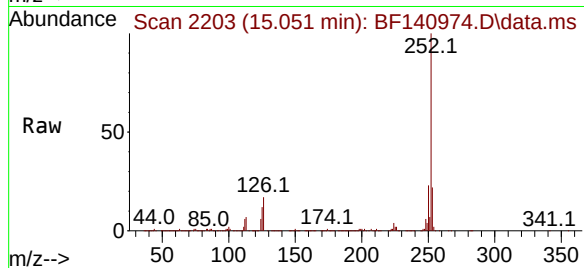
125 11.7 9.4 14.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#90

Benzo(a)pyrene

Concen: 39.479 ng

RT: 15.386 min Scan# 2260

Delta R.T. 0.000 min

Lab File: BF140974.D

Acq: 26 Dec 2024 18:06

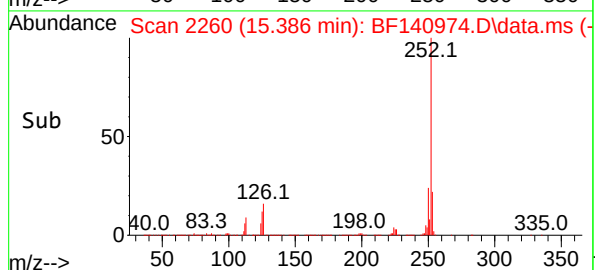
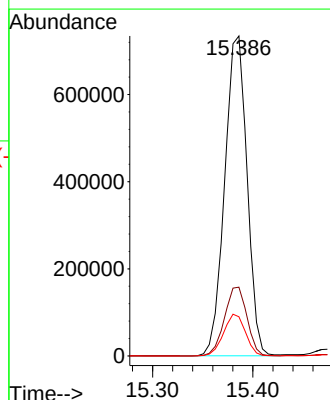
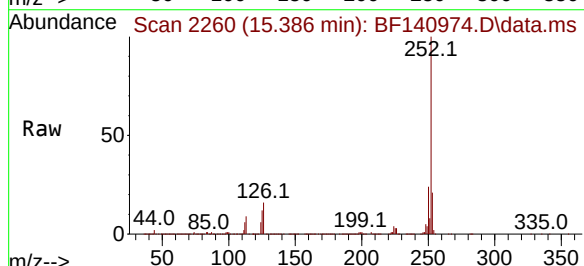
Tgt Ion:252 Resp: 1136531

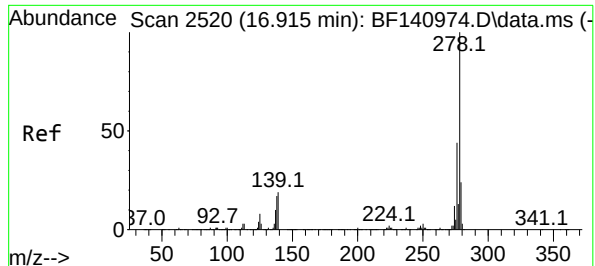
Ion Ratio Lower Upper

252 100

253 21.5 17.2 25.8

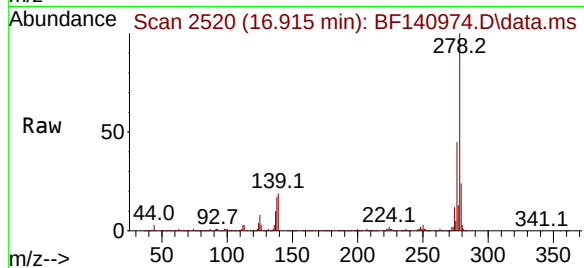
125 12.3 9.8 14.8





#91
Dibenzo(a,h)anthracene
Concen: 41.900 ng
RT: 16.915 min Scan# 2520
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

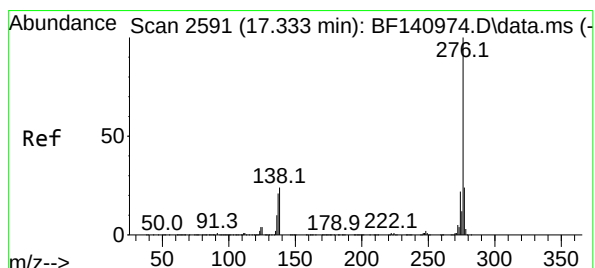
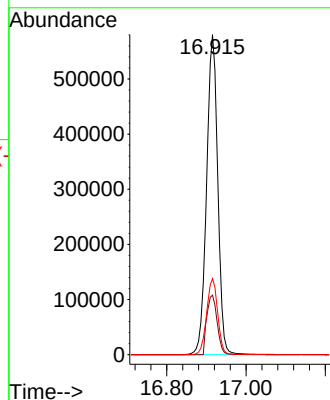
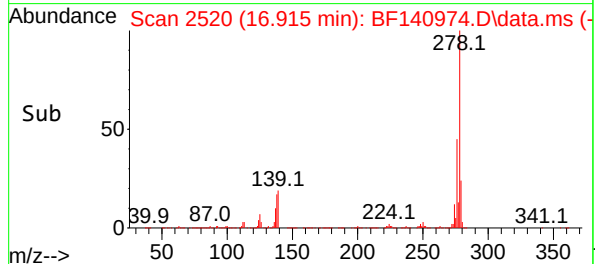
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:278 Resp: 1137962
Ion Ratio Lower Upper
278 100
139 18.6 14.9 22.3
279 23.8 19.0 28.6

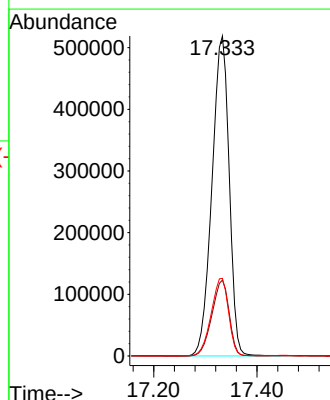
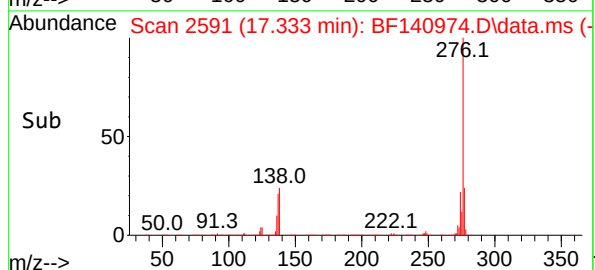
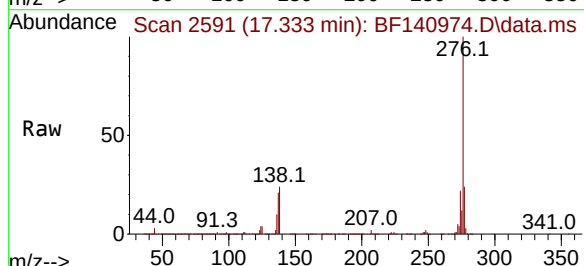
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#92
Benzo(g,h,i)perylene
Concen: 42.524 ng
RT: 17.333 min Scan# 2591
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:276 Resp: 1197853
Ion Ratio Lower Upper
276 100
277 23.7 19.0 28.4
138 24.3 19.4 29.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
 Data File : BF140975.D
 Acq On : 26 Dec 2024 18:33
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050

Manual Integrations
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Reviewed By :Yogesh Patel 12/27/2024
 Supervised By :mohammad ahmed 12/27/2024

Quant Time: Dec 27 00:23:19 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 27 00:11:18 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	275845	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	1074985	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	568540	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	984477	20.000	ng	0.00
76) Chrysene-d12	13.986	240	594739	20.000	ng	0.00
86) Perylene-d12	15.445	264	515270	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1735294	94.827	ng	0.00
7) Phenol-d6	6.451	99	2240716	95.051	ng	0.00
23) Nitrobenzene-d5	7.398	82	1814319	107.979	ng	0.00
42) 2,4,6-Tribromophenol	10.651	330	561625	101.660	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	3208983	89.926	ng	0.00
79) Terphenyl-d14	12.939	244	3551774	99.194	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.563	88	404513	48.826	ng	100
3) Pyridine	3.304	79	961017	47.465	ng	100
4) n-Nitrosodimethylamine	3.257	42	511762	49.886	ng	98
6) Aniline	6.528	93	1020551m	48.540	ng	
8) 2-Chlorophenol	6.616	128	922056	47.791	ng	98
9) Benzaldehyde	6.381	77	546478	49.354	ng	98
10) Phenol	6.469	94	1160486	47.608	ng	98
11) bis(2-Chloroethyl)ether	6.569	93	976603	49.665	ng	97
12) 1,3-Dichlorobenzene	6.769	146	1008461	47.362	ng	99
13) 1,4-Dichlorobenzene	6.845	146	1018871	47.467	ng	99
14) 1,2-Dichlorobenzene	7.004	146	942310	47.085	ng	99
15) Benzyl Alcohol	6.969	79	826544	48.792	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.110	45	1412151	47.443	ng	100
17) 2-Methylphenol	7.075	107	775619	48.390	ng	99
18) Hexachloroethane	7.345	117	371106	48.670	ng	99
19) n-Nitroso-di-n-propyla...	7.251	70	681599	47.195	ng	98
20) 3+4-Methylphenols	7.233	107	956631	47.163	ng	91
22) Acetophenone	7.239	105	1233868	46.789	ng	# 95
24) Nitrobenzene	7.416	77	997447	53.126	ng	98
25) Isophorone	7.651	82	1758021	48.082	ng	99
26) 2-Nitrophenol	7.728	139	381135	49.366	ng	99
27) 2,4-Dimethylphenol	7.763	122	648052	48.497	ng	99
28) bis(2-Chloroethoxy)met...	7.863	93	1107863	47.823	ng	100
29) 2,4-Dichlorophenol	7.963	162	755436	49.847	ng	99
30) 1,2,4-Trichlorobenzene	8.051	180	815821	47.560	ng	99
31) Naphthalene	8.133	128	2656943	46.905	ng	100
32) Benzoic acid	7.880	122	533388	48.423	ng	98
33) 4-Chloroaniline	8.186	127	988410	48.233	ng	100
34) Hexachlorobutadiene	8.251	225	485520	48.012	ng	99
35) Caprolactam	8.551	113	251835m	48.876	ng	
36) 4-Chloro-3-methylphenol	8.651	107	817788	48.589	ng	99
37) 2-Methylnaphthalene	8.822	142	1691438	46.676	ng	100
38) 1-Methylnaphthalene	8.922	142	1659875	46.607	ng	100
40) 1,2,4,5-Tetrachloroben...	8.986	216	748540	47.857	ng	100
41) Hexachlorocyclopentadiene	8.975	237	268748	51.849	ng	99
43) 2,4,6-Trichlorophenol	9.092	196	505859	48.593	ng	100

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 Data File : BF140975.D
 Acq On : 26 Dec 2024 18:33
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024

Quant Time: Dec 27 00:23:19 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Dec 27 00:11:18 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.133	196	548701	51.514	ng	98
46) 1,1'-Biphenyl	9.286	154	2019837	46.398	ng	99
47) 2-Chloronaphthalene	9.310	162	1584423	46.928	ng	99
48) 2-Nitroaniline	9.404	65	434235	49.051	ng	95
49) Acenaphthylene	9.727	152	2300924	47.341	ng	99
50) Dimethylphthalate	9.592	163	1771217	47.363	ng	100
51) 2,6-Dinitrotoluene	9.645	165	382604	50.003	ng	96
52) Acenaphthene	9.898	154	1557911	47.414	ng	100
53) 3-Nitroaniline	9.816	138	410444	49.386	ng	96
54) 2,4-Dinitrophenol	9.916	184	121967	49.996	ng	# 6
55) Dibenzofuran	10.069	168	2165075	46.887	ng	99
56) 4-Nitrophenol	9.963	139	337300	52.728	ng	97
57) 2,4-Dinitrotoluene	10.051	165	463773	49.535	ng	100
58) Fluorene	10.410	166	1628964	45.492	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.180	232	436271	49.455	ng	100
60) Diethylphthalate	10.286	149	1748454	47.359	ng	100
61) 4-Chlorophenyl-phenyle...	10.404	204	796072	46.203	ng	99
62) 4-Nitroaniline	10.427	138	412091	49.614	ng	99
63) Azobenzene	10.569	77	1840946	47.507	ng	99
65) 4,6-Dinitro-2-methylph...	10.457	198	193168	48.976	ng	97
66) n-Nitrosodiphenylamine	10.522	169	1463039	47.193	ng	99
67) 4-Bromophenyl-phenylether	10.898	248	521276	48.981	ng	97
68) Hexachlorobenzene	10.957	284	567592	48.368	ng	98
69) Atrazine	11.051	200	362786	41.889	ng	98
70) Pentachlorophenol	11.145	266	383398	52.476	ng	99
71) Phenanthrene	11.374	178	2417558	46.658	ng	99
72) Anthracene	11.427	178	2370103	46.682	ng	100
73) Carbazole	11.574	167	2272076	46.552	ng	100
74) Di-n-butylphthalate	11.916	149	2595020	46.746	ng	100
75) Fluoranthene	12.557	202	2583438	45.972	ng	99
77) Benzidine	12.680	184	651097	51.801	ng	100
78) Pyrene	12.786	202	2651339	50.973	ng	100
80) Butylbenzylphthalate	13.415	149	1016502	53.519	ng	99
81) Benzo(a)anthracene	13.974	228	1991732	48.052	ng	100
82) 3,3'-Dichlorobenzidine	13.939	252	568561	45.655	ng	100
83) Chrysene	14.015	228	1774901	47.501	ng	99
84) Bis(2-ethylhexyl)phtha...	13.974	149	1230112	49.929	ng	100
85) Di-n-octyl phthalate	14.598	149	1740215	48.803	ng	99
87) Indeno(1,2,3-cd)pyrene	16.898	276	1799974	55.447	ng	100
88) Benzo(b)fluoranthene	15.021	252	1682869	46.828	ng	100
89) Benzo(k)fluoranthene	15.051	252	1382080	49.069	ng	100
90) Benzo(a)pyrene	15.386	252	1349208	48.370	ng	99
91) Dibenzo(a,h)anthracene	16.921	278	1451477	55.158	ng	99
92) Benzo(g,h,i)perylene	17.339	276	1537634	56.337	ng	99

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

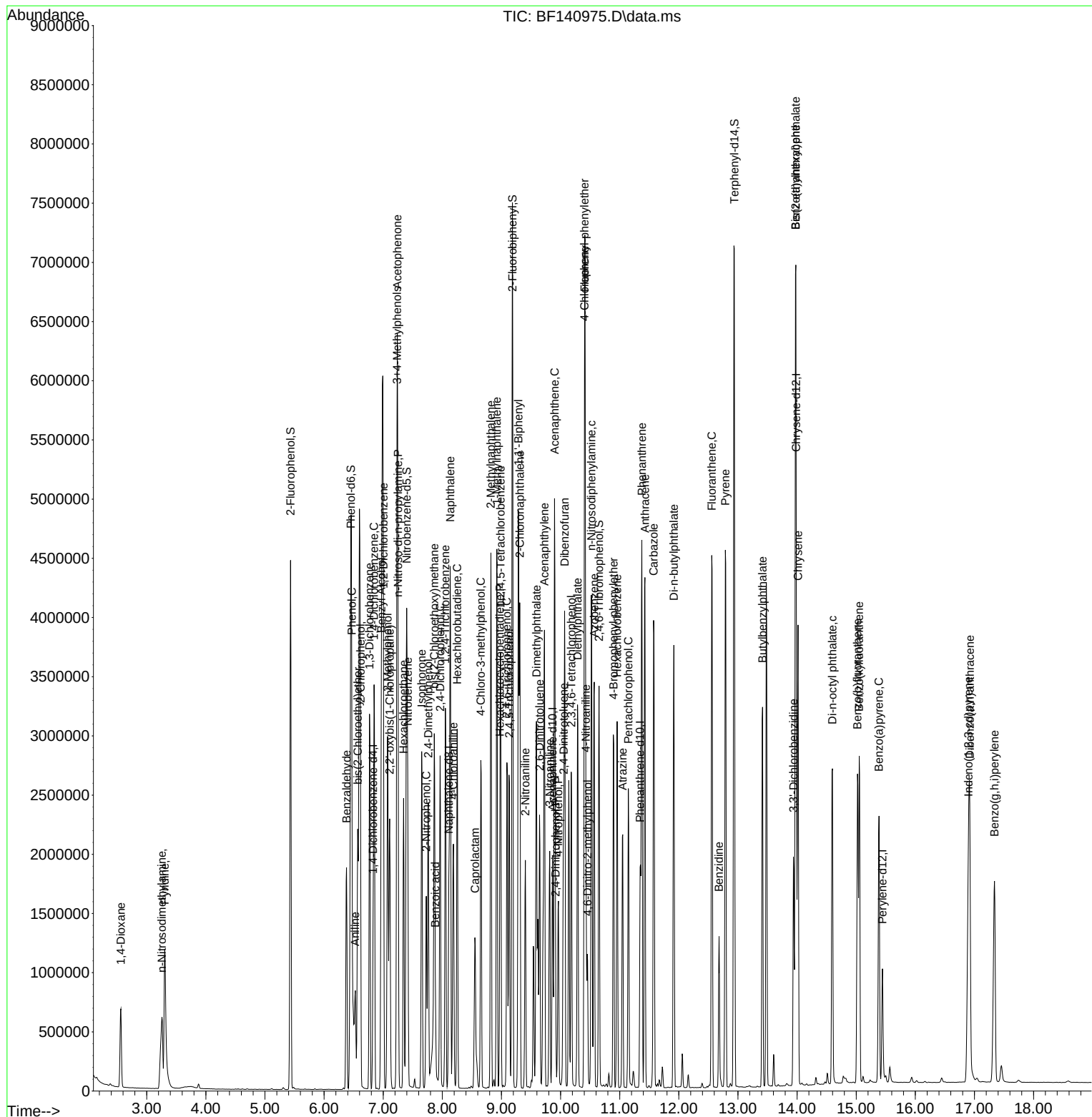
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Acq On    : 26 Dec 2024  18:33  
Operator  : RC/JU  
Sample    : SSTDICC050  
Misc      :  
ALS Vial  : 7    Sample Multiplier: 1
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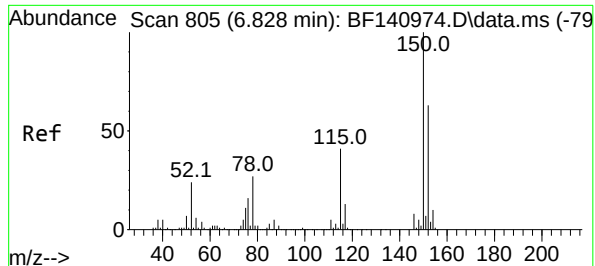
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BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations

Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

Quant Time: Dec 27 00:23:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:11:18 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 80
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Instrument :

BNA_F

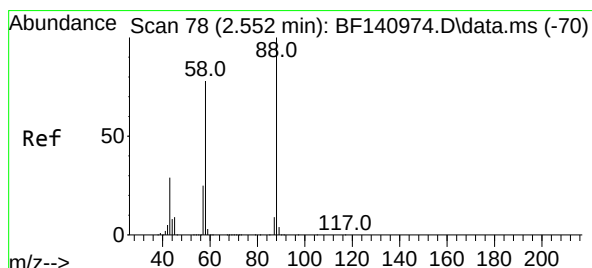
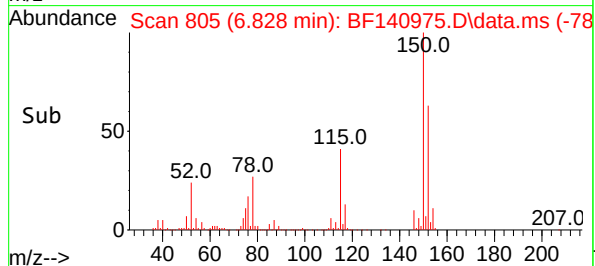
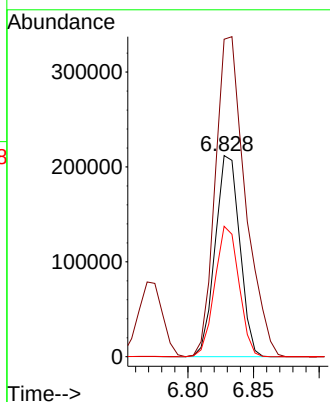
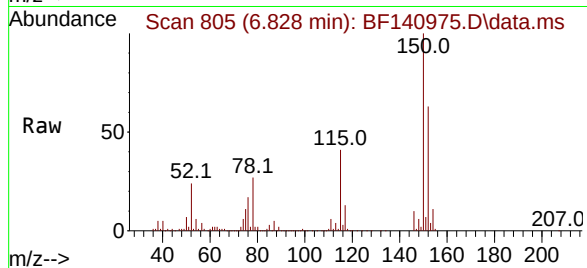
ClientSampleId :

SSTDICC050

Tgt Ion:152 Resp: 27584
Ion Ratio Lower Upper
152 100
150 157.9 127.0 190.6
115 64.8 51.7 77.5

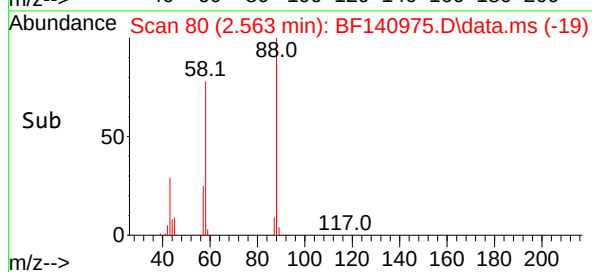
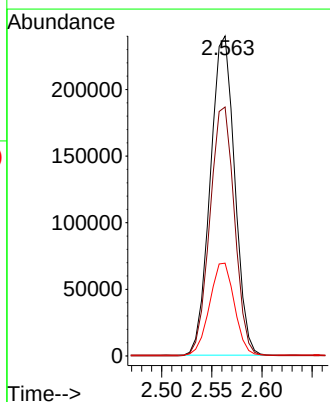
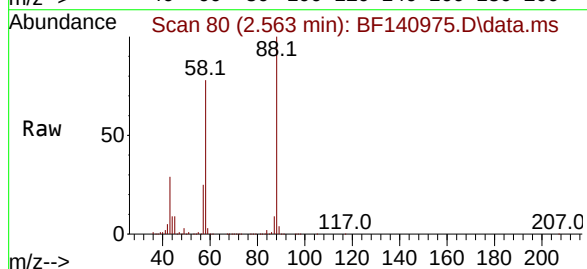
Manual Integrations
APPROVED

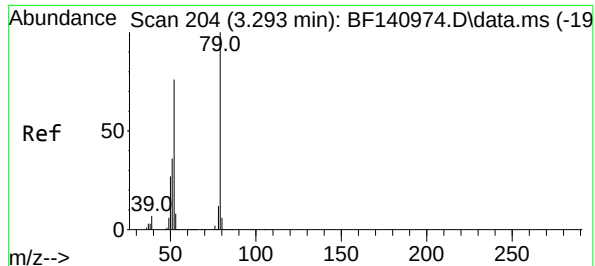
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#2
1,4-Dioxane
Concen: 48.826 ng
RT: 2.563 min Scan# 80
Delta R.T. 0.012 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

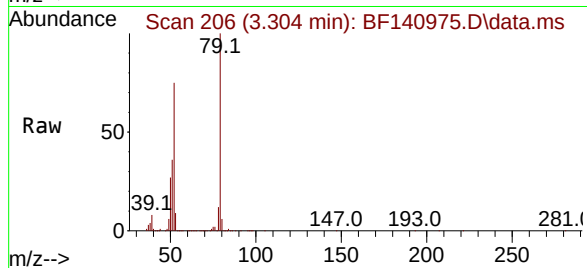
Tgt Ion: 88 Resp: 404513
Ion Ratio Lower Upper
88 100
58 78.9 63.0 94.4
43 29.4 23.4 35.2





#3
Pyridine
Concen: 47.465 ng
RT: 3.304 min Scan# 204
Delta R.T. 0.012 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

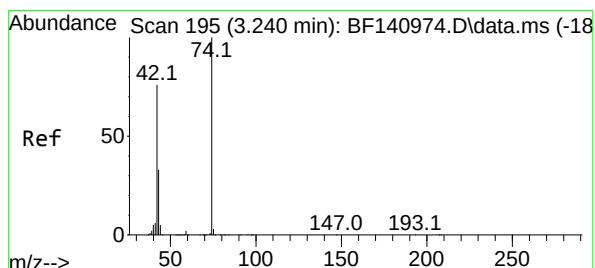
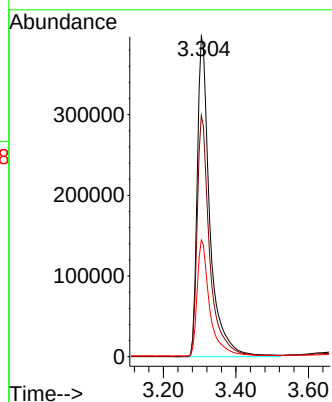
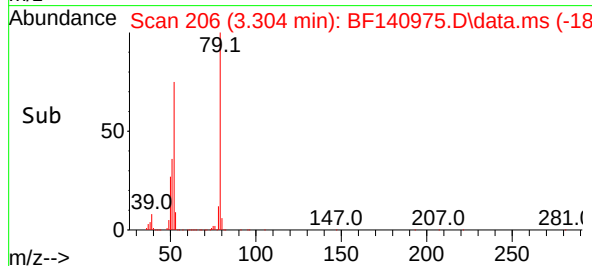
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion: 79 Resp: 96101
Ion Ratio Lower Upper
79 100
52 75.4 60.4 90.6
51 36.4 28.8 43.2

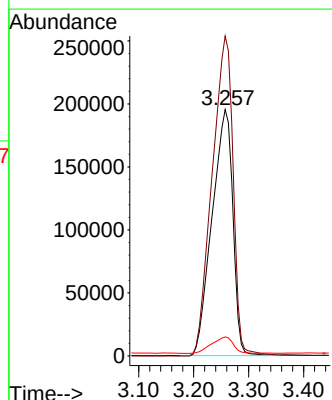
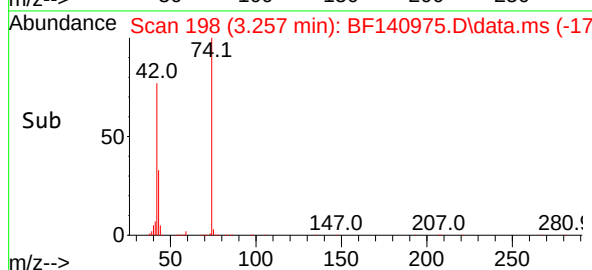
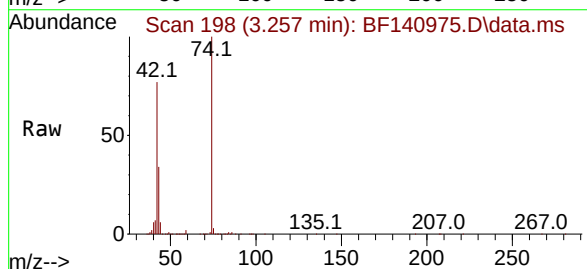
Manual Integrations
APPROVED

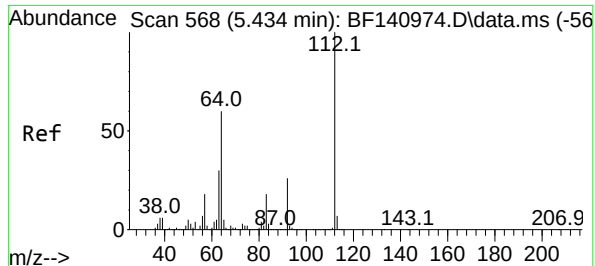
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#4
n-Nitrosodimethylamine
Concen: 49.886 ng
RT: 3.257 min Scan# 198
Delta R.T. 0.017 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

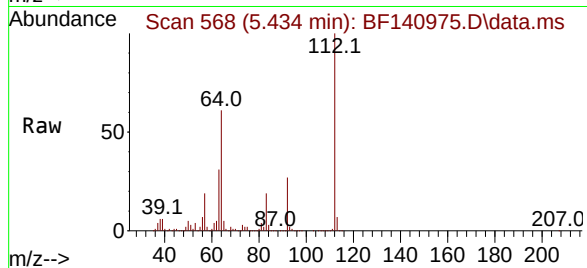
Tgt Ion: 42 Resp: 511762
Ion Ratio Lower Upper
42 100
74 129.9 105.8 158.6
44 7.7 6.6 10.0





#5
2-Fluorophenol
Concen: 94.827 ng
RT: 5.434 min Scan# 568
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

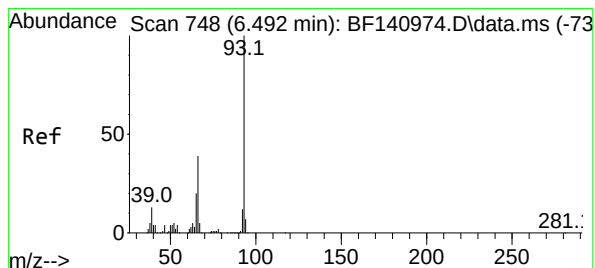
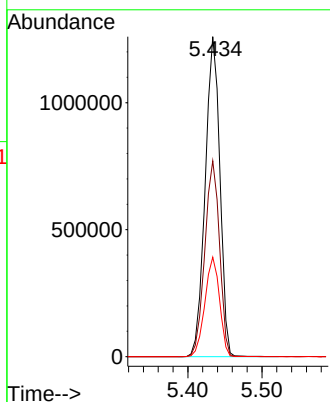
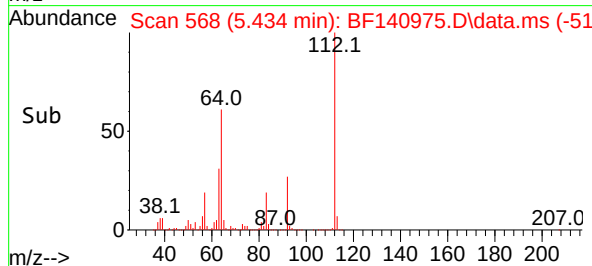
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion: 112 Resp: 1735294
Ion Ratio Lower Upper
112 100
64 61.2 47.7 71.5
63 31.1 24.2 36.2

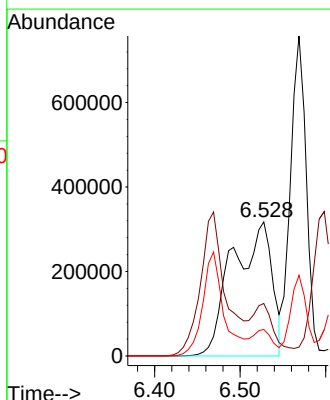
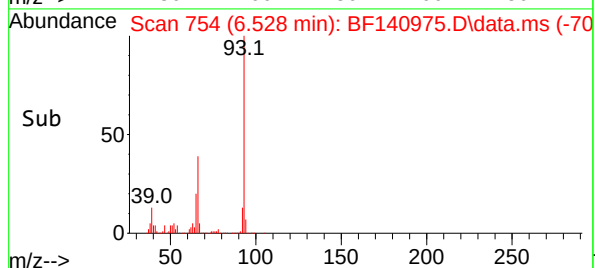
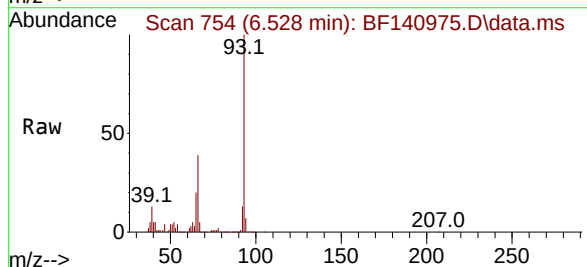
Manual Integrations
APPROVED

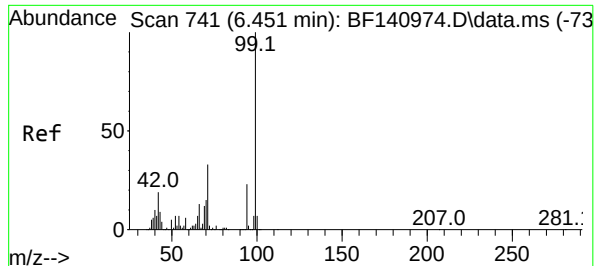
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#6
Aniline
Concen: 48.540 ng m
RT: 6.528 min Scan# 754
Delta R.T. 0.017 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

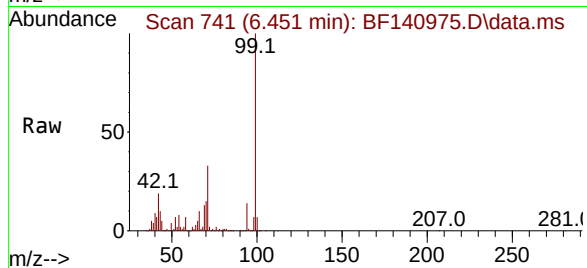
Tgt Ion: 93 Resp: 1020551
Ion Ratio Lower Upper
93 100
66 39.2 31.8 47.8
65 19.8 15.4 23.0





#7
Phenol-d6
Concen: 95.051 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

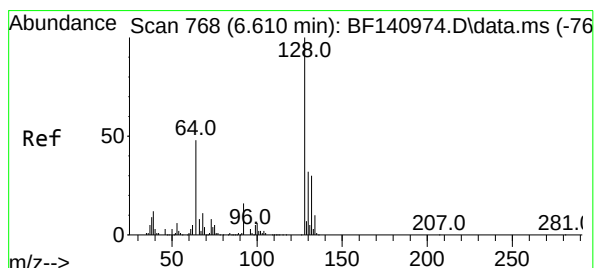
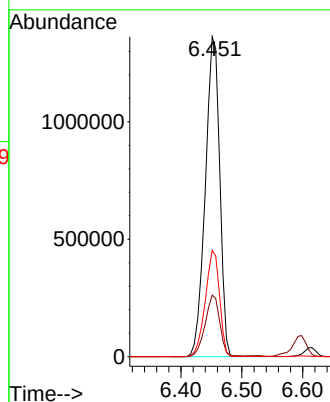
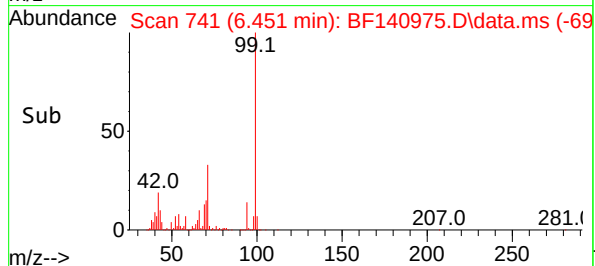
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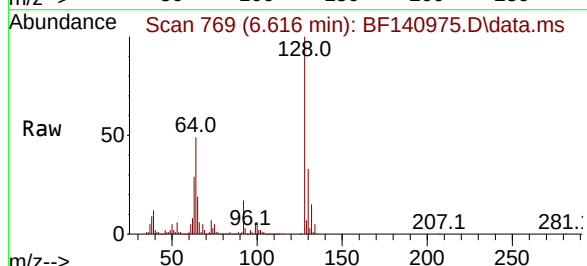
Tgt Ion: 99 Resp: 2240710
Ion Ratio Lower Upper
99 100
42 19.3 15.0 22.4
71 33.2 26.2 39.2

Manual Integrations
APPROVED

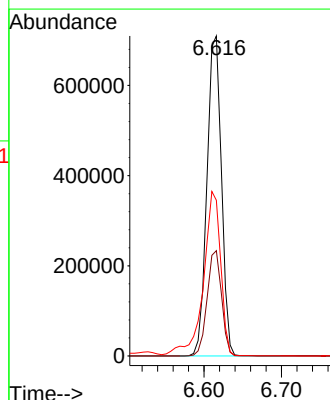
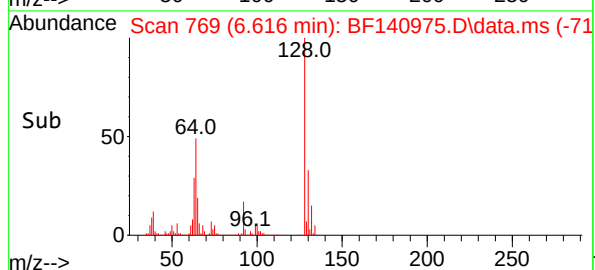
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

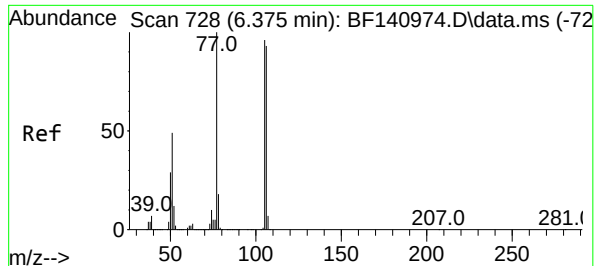


#8
2-Chlorophenol
Concen: 47.791 ng
RT: 6.616 min Scan# 769
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33



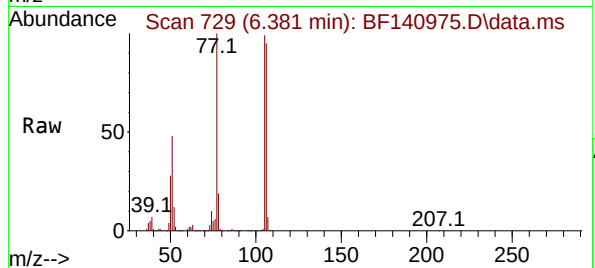
Tgt Ion:128 Resp: 922056
Ion Ratio Lower Upper
128 100
130 32.9 12.2 52.2
64 48.6 30.3 70.3





#9
Benzaldehyde
Concen: 49.354 ng
RT: 6.381 min Scan# 729
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

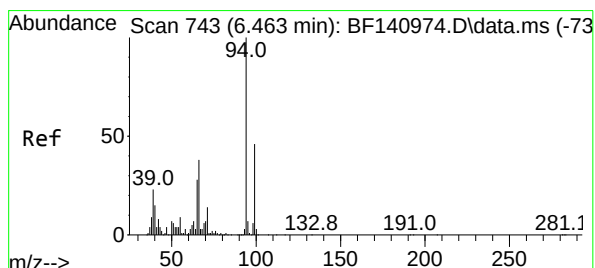
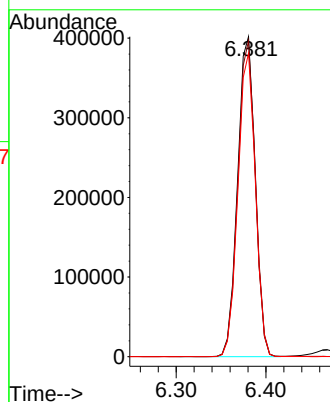
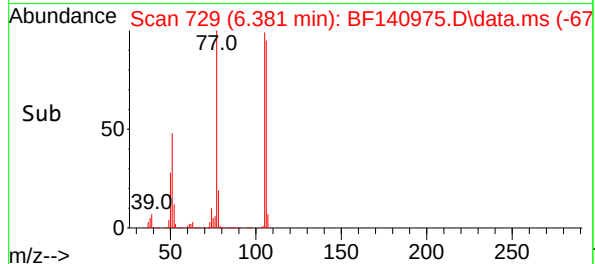
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion: 77 Resp: 546478
Ion Ratio Lower Upper
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106 94.8 73.4 113.4

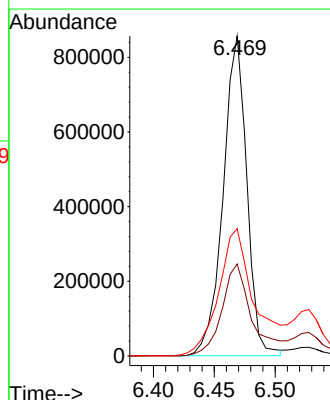
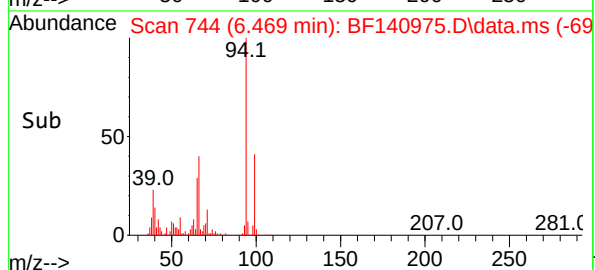
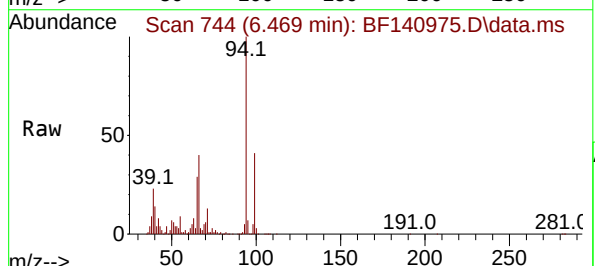
Manual Integrations
APPROVED

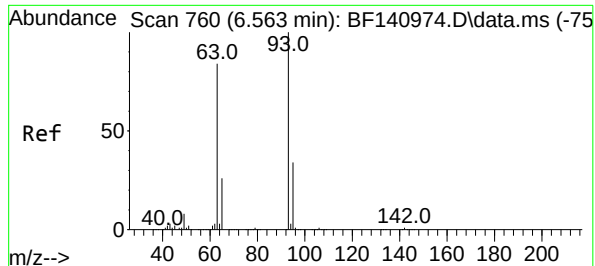
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#10
Phenol
Concen: 47.608 ng
RT: 6.469 min Scan# 744
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion: 94 Resp: 1160486
Ion Ratio Lower Upper
94 100
65 28.7 8.1 48.1
66 39.8 18.7 58.7





#11

bis(2-Chloroethyl)ether

Concen: 49.665 ng

RT: 6.569 min Scan# 760

Delta R.T. 0.006 min

Lab File: BF140975.D

Acq: 26 Dec 2024 18:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion: 93 Resp: 97660

Ion Ratio Lower Upper

93 100

63 77.2 60.3 100.3

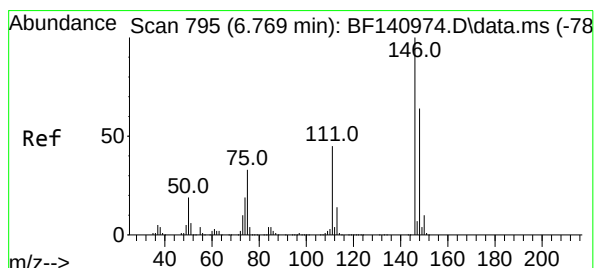
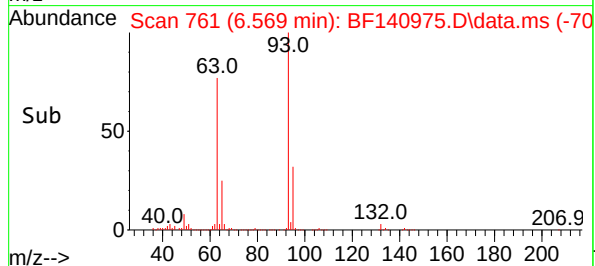
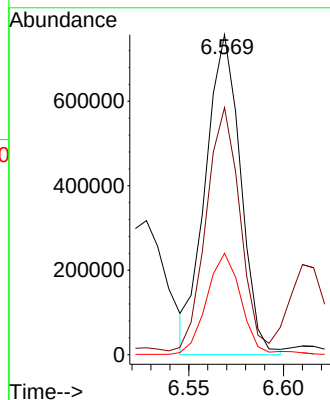
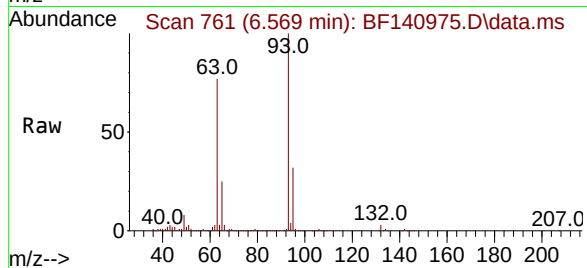
95 31.7 12.2 52.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#12

1,3-Dichlorobenzene

Concen: 47.362 ng

RT: 6.769 min Scan# 795

Delta R.T. -0.000 min

Lab File: BF140975.D

Acq: 26 Dec 2024 18:33

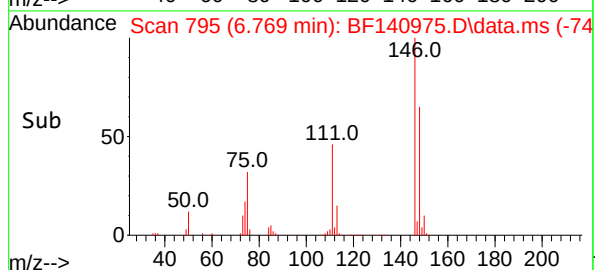
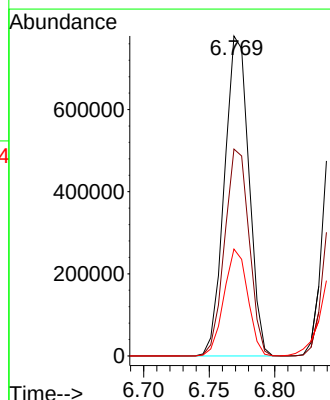
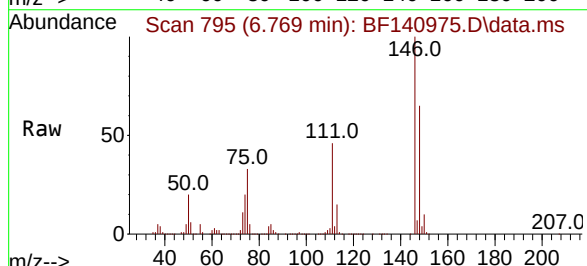
Tgt Ion:146 Resp: 1008461

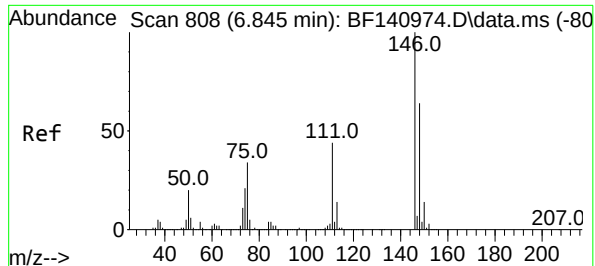
Ion Ratio Lower Upper

146 100

148 64.6 51.0 76.4

75 33.4 26.1 39.1





#13

1,4-Dichlorobenzene

Concen: 47.467 ng

RT: 6.845 min Scan# 80

Delta R.T. -0.000 min

Lab File: BF140975.D

Acq: 26 Dec 2024 18:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:146 Resp: 101887

Ion Ratio Lower Upper

146 100

148 63.9 51.3 76.9

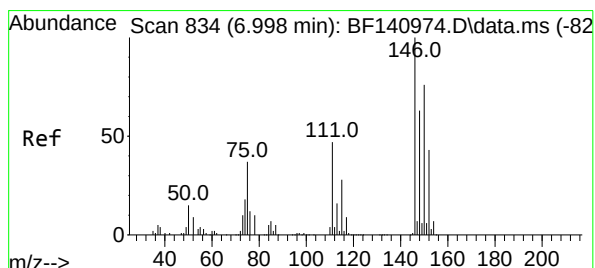
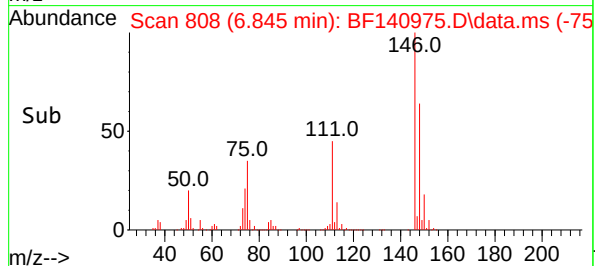
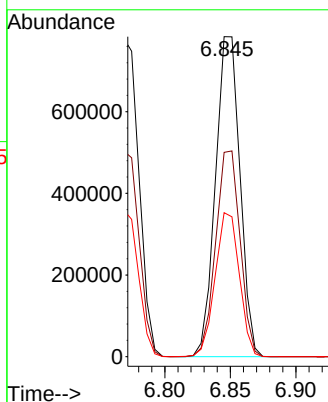
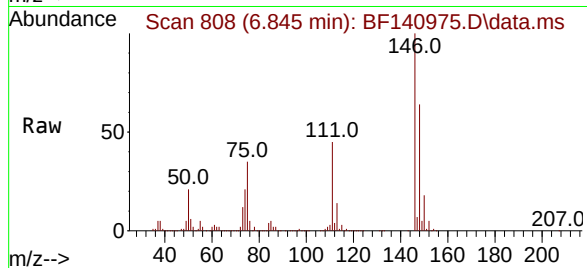
111 45.0 35.3 52.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#14

1,2-Dichlorobenzene

Concen: 47.085 ng

RT: 7.004 min Scan# 835

Delta R.T. 0.006 min

Lab File: BF140975.D

Acq: 26 Dec 2024 18:33

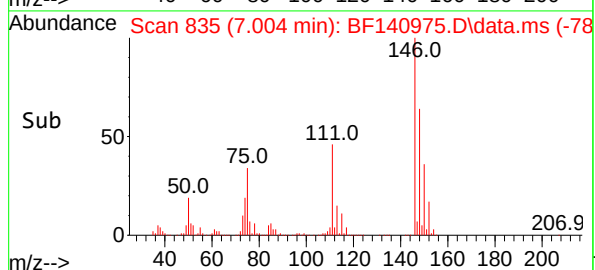
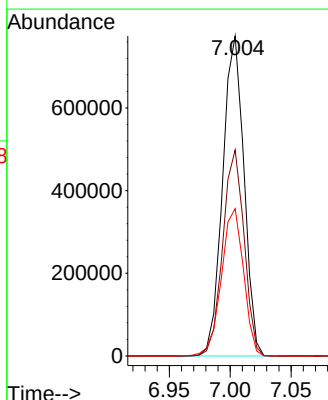
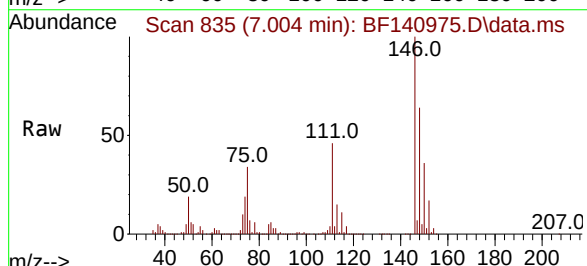
Tgt Ion:146 Resp: 942310

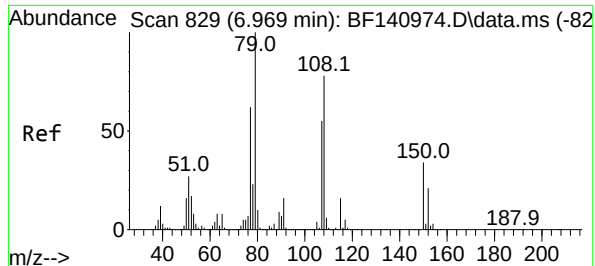
Ion Ratio Lower Upper

146 100

148 64.4 50.6 76.0

111 46.1 37.3 55.9





#15

Benzyl Alcohol

Concen: 48.792 ng

RT: 6.969 min Scan# 81

Delta R.T. -0.000 min

Lab File: BF140975.D

Acq: 26 Dec 2024 18:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion: 79 Resp: 826544

Ion Ratio Lower Upper

79 100

108 76.8 62.5 93.7

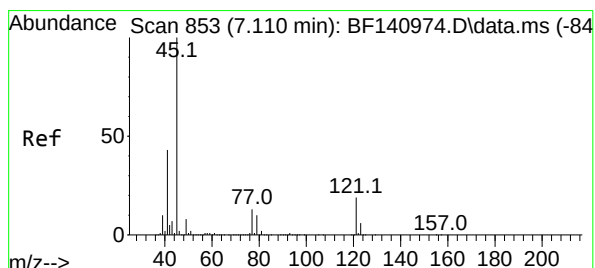
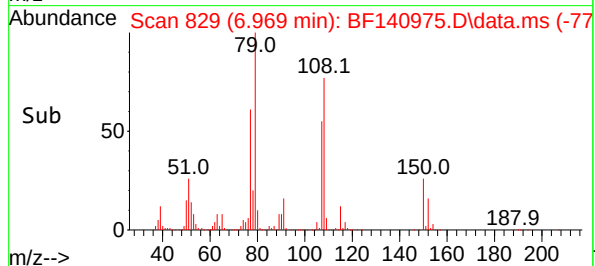
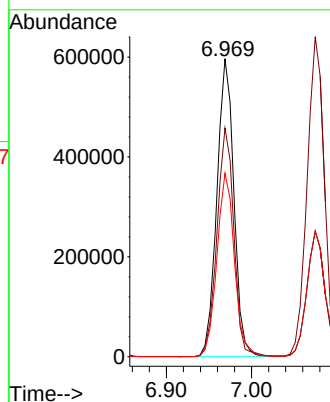
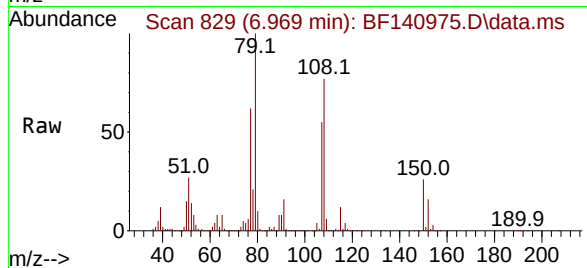
77 61.5 49.3 73.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#16

2,2'-oxybis(1-Chloropropane)

Concen: 47.443 ng

RT: 7.110 min Scan# 853

Delta R.T. -0.000 min

Lab File: BF140975.D

Acq: 26 Dec 2024 18:33

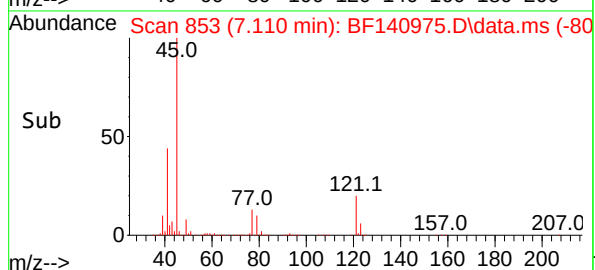
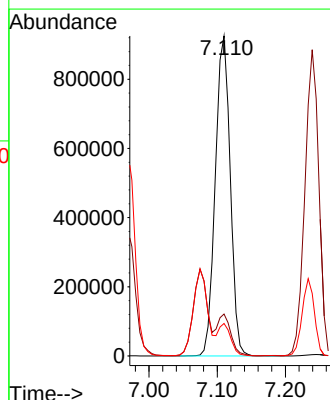
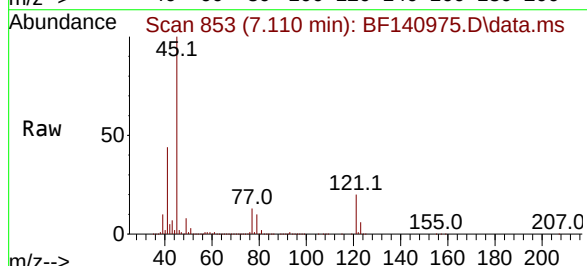
Tgt Ion: 45 Resp: 1412151

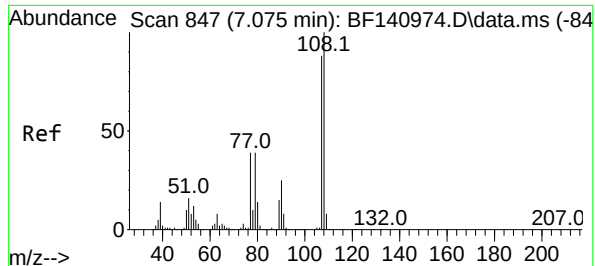
Ion Ratio Lower Upper

45 100

77 13.1 0.0 33.1

79 10.2 0.0 30.1





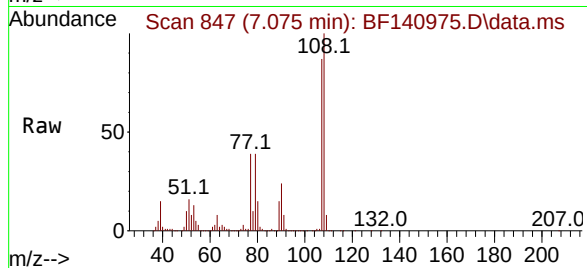
#17
2-Methylphenol
Concen: 48.390 ng
RT: 7.075 min Scan# 847
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

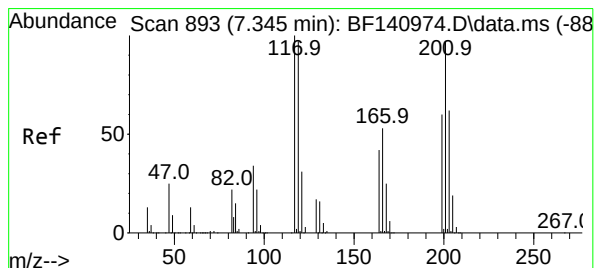
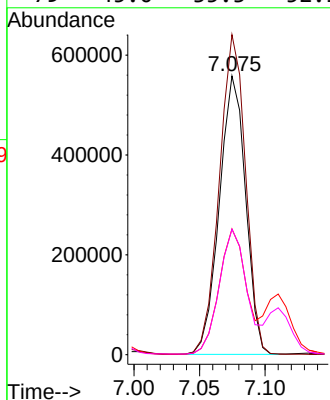
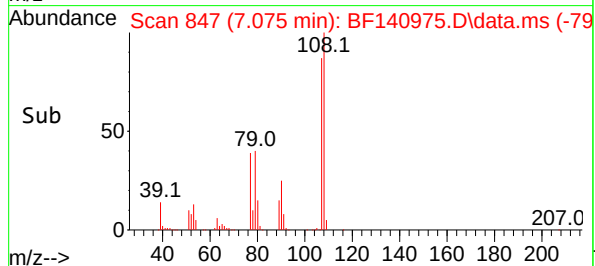


Tgt Ion:107 Resp: 775619
Ion Ratio Lower Upper
107 100
108 114.8 90.6 136.0
77 45.1 35.3 52.9
79 45.0 35.3 52.9

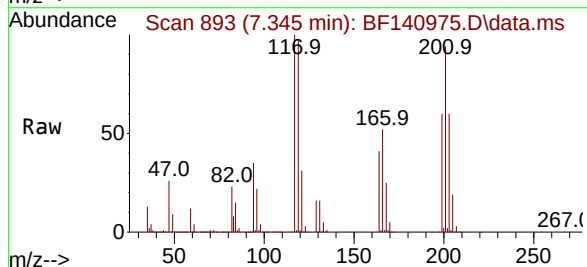
Manual Integrations

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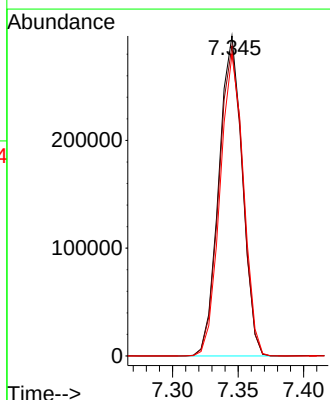
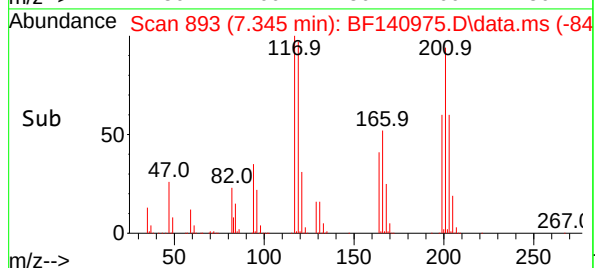
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

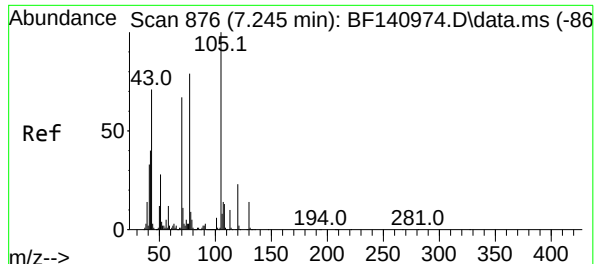


#18
Hexachloroethane
Concen: 48.670 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33



Tgt Ion:117 Resp: 371106
Ion Ratio Lower Upper
117 100
119 96.9 77.5 116.3
201 94.2 77.4 116.2





#19

n-Nitroso-di-n-propylamine

Concen: 47.195 ng

RT: 7.251 min Scan# 81

Delta R.T. 0.006 min

Lab File: BF140975.D

Acq: 26 Dec 2024 18:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion: 70 Resp: 68159

Ion Ratio Lower Upper

70 100

42 58.8 48.1 72.1

101 9.7 7.6 11.4

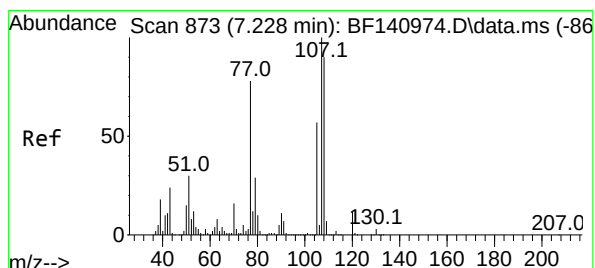
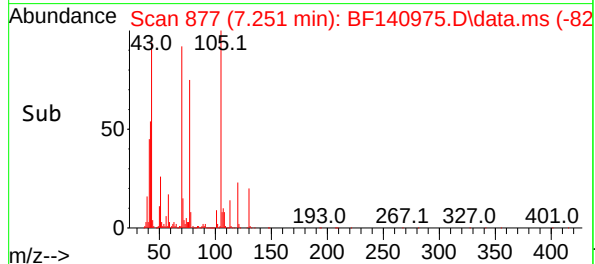
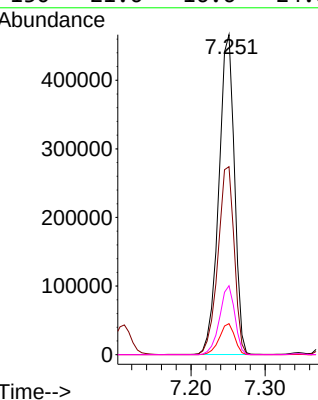
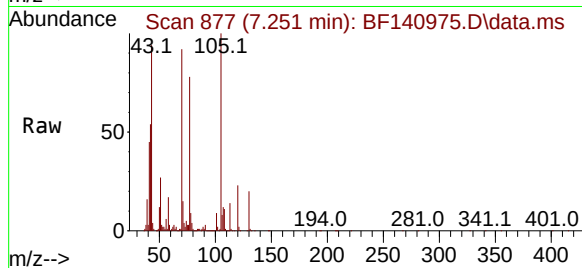
130 21.6 16.6 24.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#20

3+4-Methylphenols

Concen: 47.163 ng

RT: 7.233 min Scan# 874

Delta R.T. 0.006 min

Lab File: BF140975.D

Acq: 26 Dec 2024 18:33

Tgt Ion:107 Resp: 956631

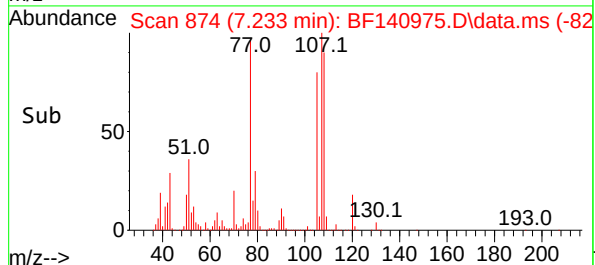
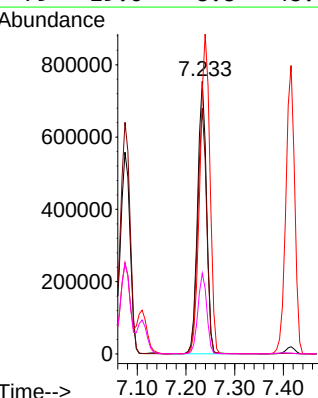
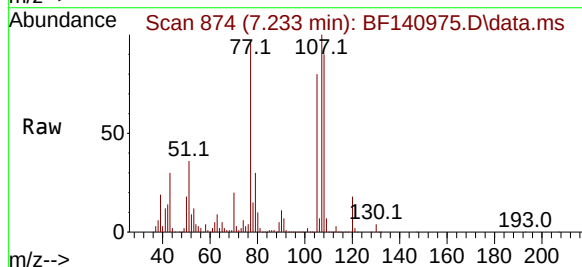
Ion Ratio Lower Upper

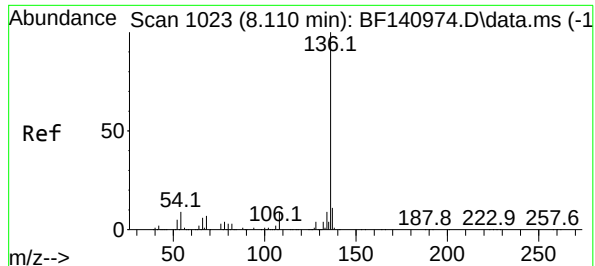
107 100

108 90.1 69.6 109.6

77 96.2 57.6 97.6

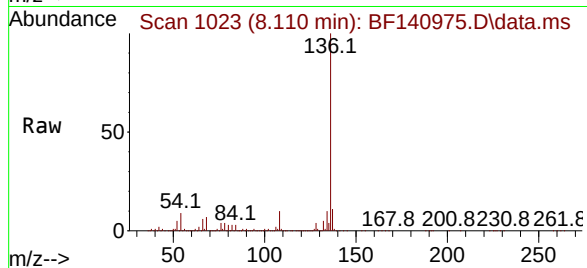
79 29.6 8.8 48.8





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

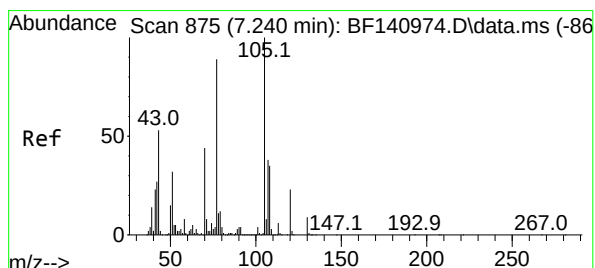
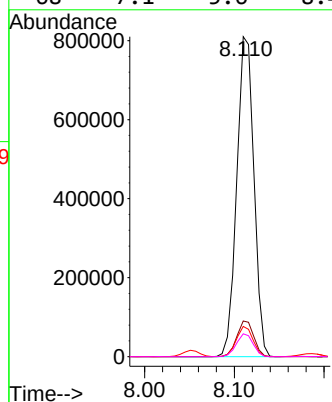
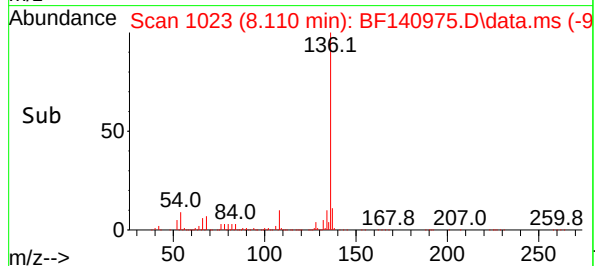
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:136 Resp: 1074985
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.4
54 9.4 7.6 11.4
68 7.1 5.6 8.4

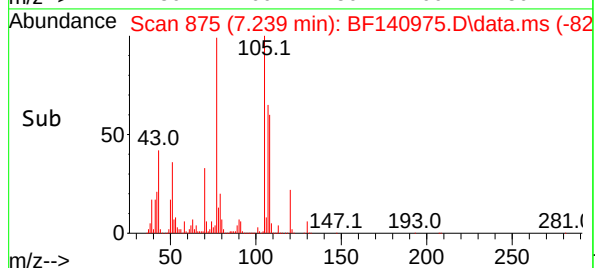
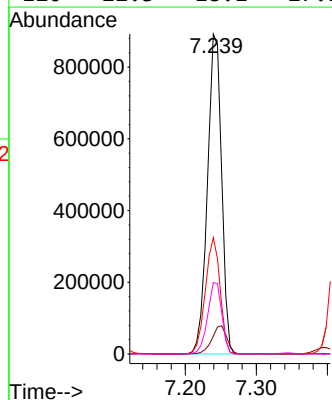
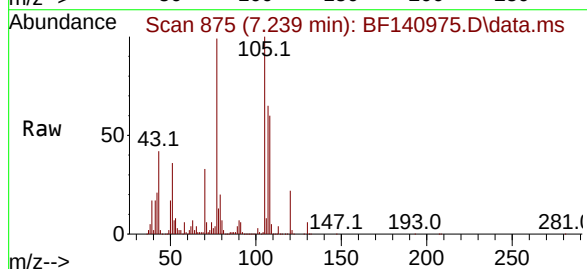
Manual Integrations
APPROVED

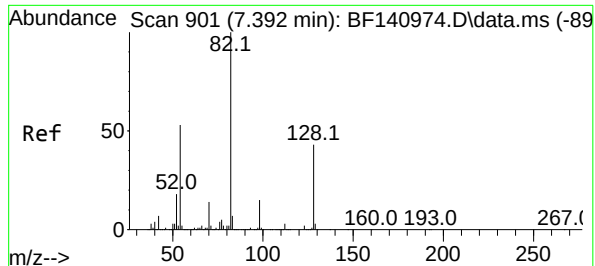
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#22
Acetophenone
Concen: 46.789 ng
RT: 7.239 min Scan# 875
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:105 Resp: 1233868
Ion Ratio Lower Upper
105 100
71 5.6 6.1 9.1#
51 36.3 25.8 38.6
120 22.3 18.1 27.1





#23

Nitrobenzene-d5

Concen: 107.979 ng

RT: 7.398 min Scan# 901

Delta R.T. 0.006 min

Lab File: BF140975.D

Acq: 26 Dec 2024 18:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion: 82 Resp: 1814319

Ion Ratio Lower Upper

82 100

128 44.1 34.4 51.6

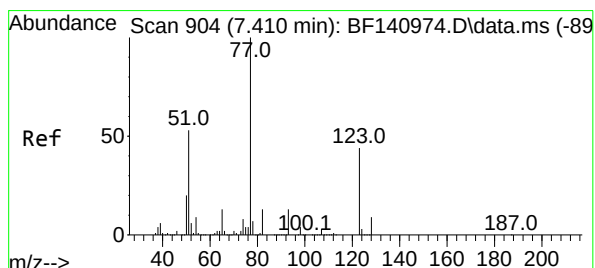
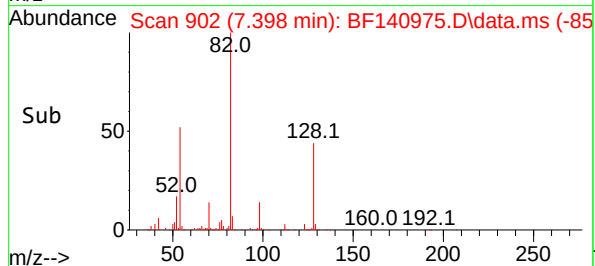
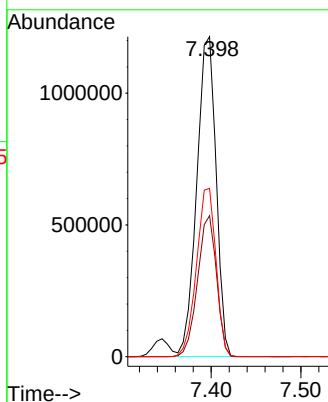
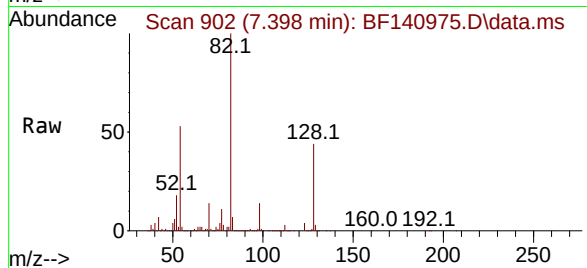
54 52.6 42.4 63.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#24

Nitrobenzene

Concen: 53.126 ng

RT: 7.416 min Scan# 905

Delta R.T. 0.006 min

Lab File: BF140975.D

Acq: 26 Dec 2024 18:33

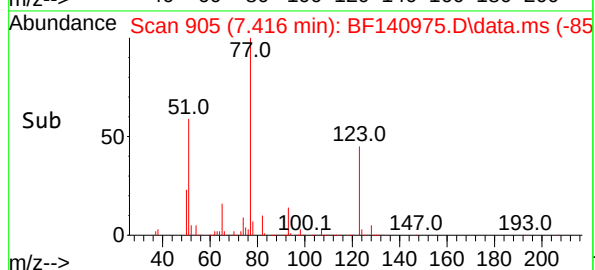
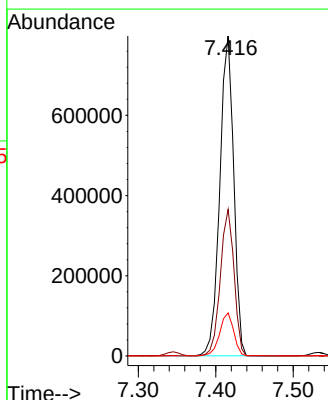
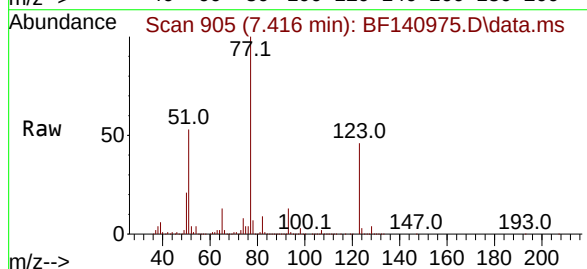
Tgt Ion: 77 Resp: 997447

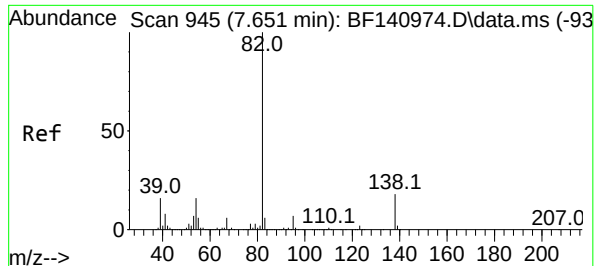
Ion Ratio Lower Upper

77 100

123 45.8 35.4 53.2

65 13.5 10.7 16.1





#25

Isophorone

Concen: 48.082 ng

RT: 7.651 min Scan# 945

Delta R.T. -0.000 min

Lab File: BF140975.D

Acq: 26 Dec 2024 18:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion: 82 Resp: 175802

Ion Ratio Lower Upper

82 100

95 6.9 5.6 8.4

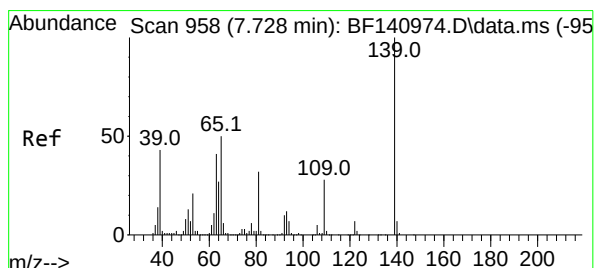
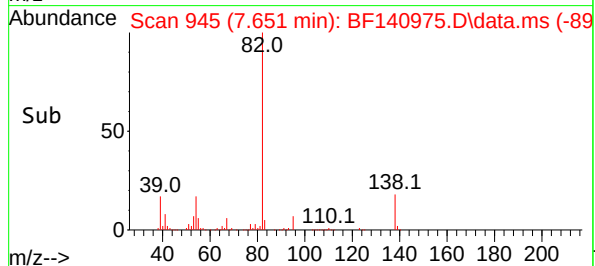
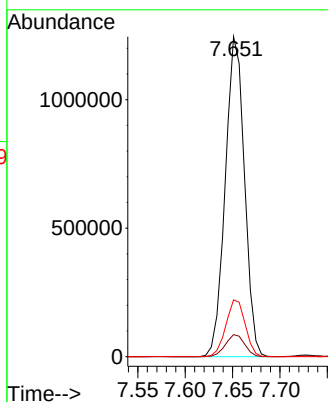
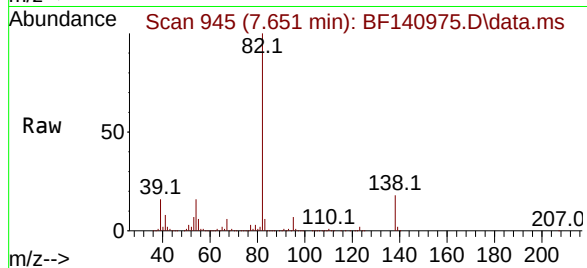
138 17.7 14.6 21.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#26

2-Nitrophenol

Concen: 49.366 ng

RT: 7.728 min Scan# 958

Delta R.T. -0.000 min

Lab File: BF140975.D

Acq: 26 Dec 2024 18:33

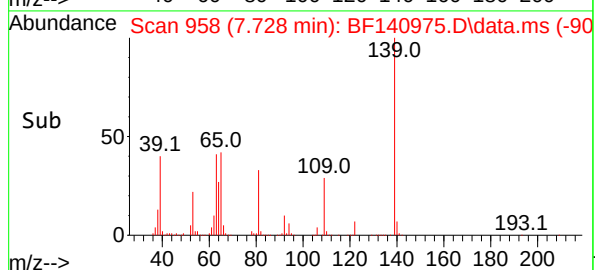
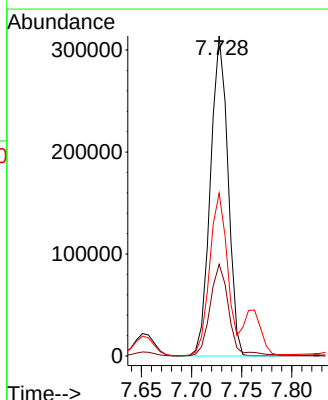
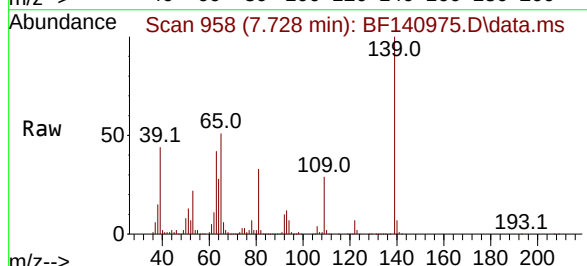
Tgt Ion:139 Resp: 381135

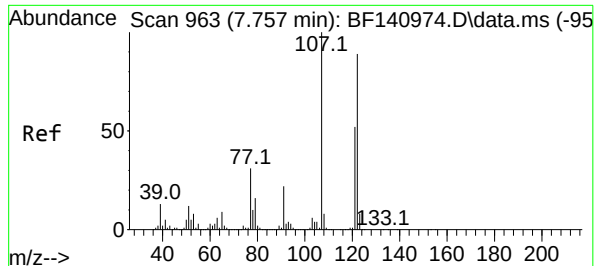
Ion Ratio Lower Upper

139 100

109 28.7 22.2 33.4

65 50.9 40.2 60.4





#27

2,4-Dimethylphenol

Concen: 48.497 ng

RT: 7.763 min Scan# 90

Delta R.T. 0.006 min

Lab File: BF140975.D

Acq: 26 Dec 2024 18:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:122 Resp: 648052

Ion Ratio Lower Upper

122 100

107 110.1 89.4 134.2

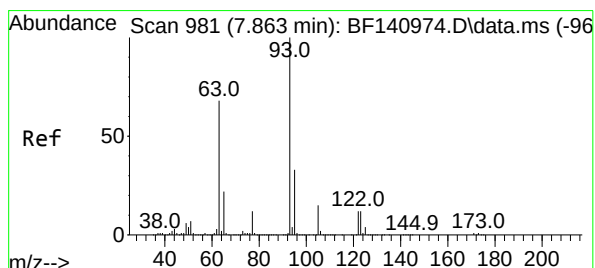
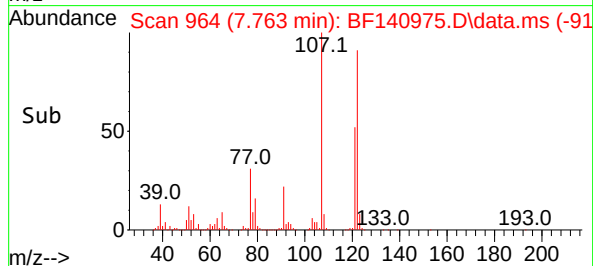
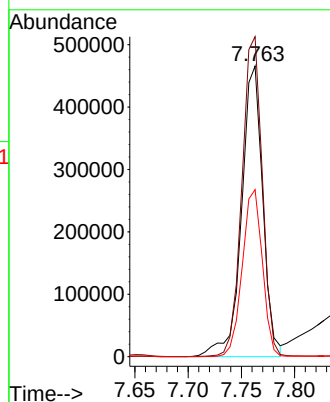
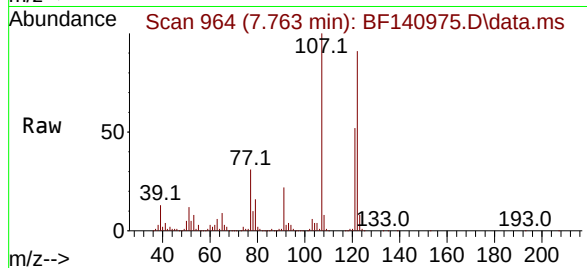
121 57.5 46.7 70.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#28

bis(2-Chloroethoxy)methane

Concen: 47.823 ng

RT: 7.863 min Scan# 981

Delta R.T. -0.000 min

Lab File: BF140975.D

Acq: 26 Dec 2024 18:33

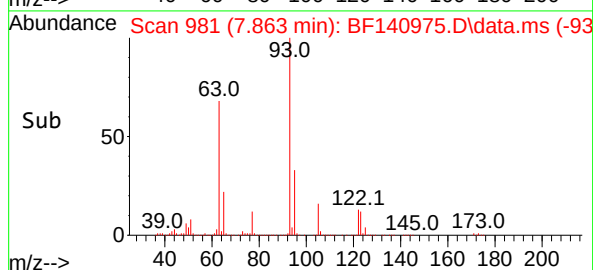
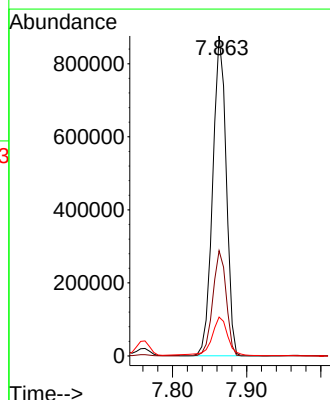
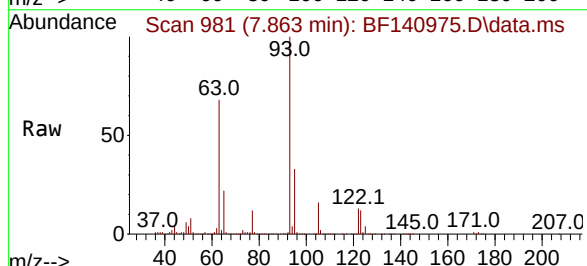
Tgt Ion: 93 Resp: 1107863

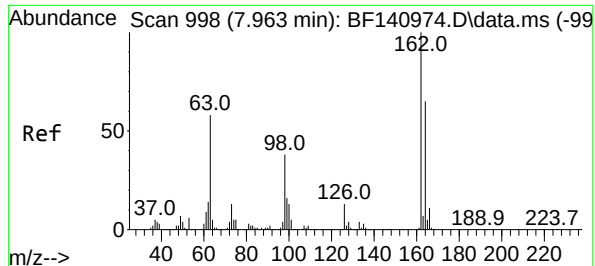
Ion Ratio Lower Upper

93 100

95 32.9 26.2 39.4

123 12.1 9.9 14.9





#29

2,4-Dichlorophenol

Concen: 49.847 ng

RT: 7.963 min Scan# 998

Delta R.T. -0.000 min

Lab File: BF140975.D

Acq: 26 Dec 2024 18:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:162 Resp: 755436

Ion Ratio Lower Upper

162 100

164 63.7 44.8 84.8

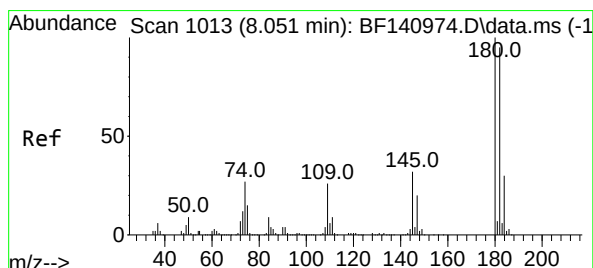
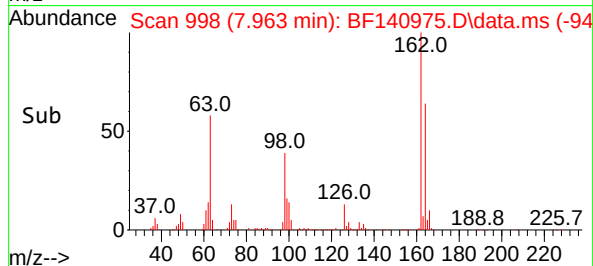
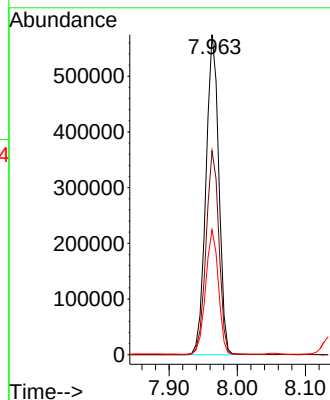
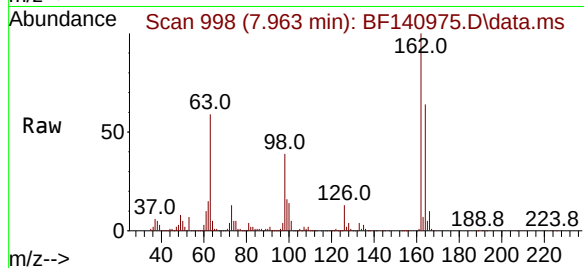
98 39.1 18.6 58.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#30

1,2,4-Trichlorobenzene

Concen: 47.560 ng

RT: 8.051 min Scan# 1013

Delta R.T. -0.000 min

Lab File: BF140975.D

Acq: 26 Dec 2024 18:33

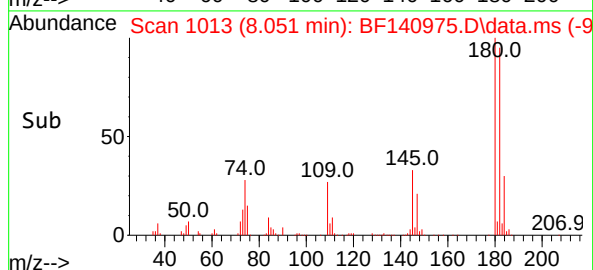
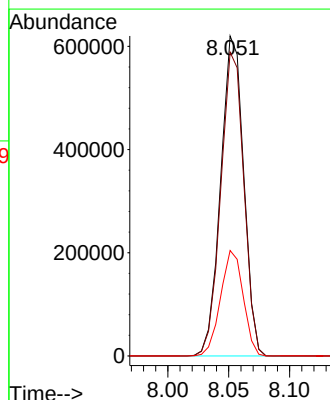
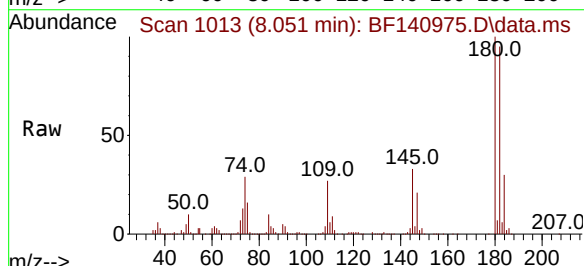
Tgt Ion:180 Resp: 815821

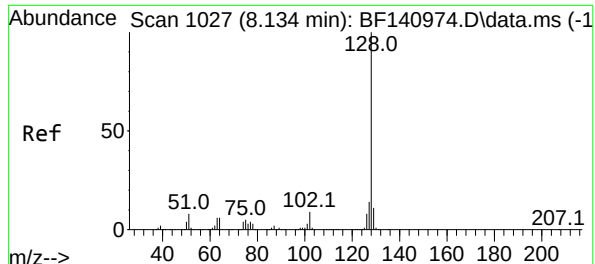
Ion Ratio Lower Upper

180 100

182 94.9 76.2 114.4

145 32.9 25.4 38.2





#31

Naphthalene

Concen: 46.905 ng

RT: 8.133 min Scan# 10

Delta R.T. -0.000 min

Lab File: BF140975.D

Acq: 26 Dec 2024 18:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:128 Resp: 265694

Ion Ratio Lower Upper

128 100

129 11.7 9.2 13.8

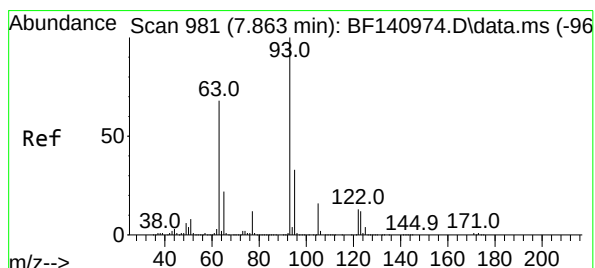
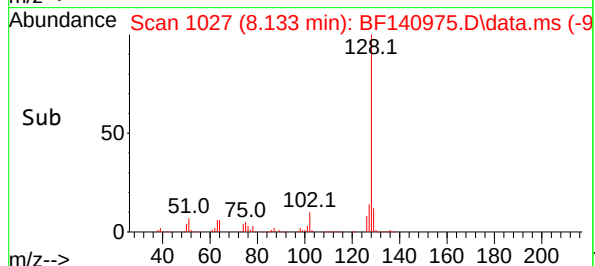
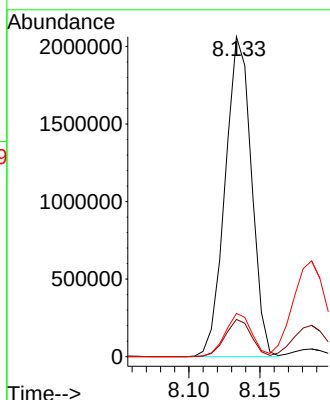
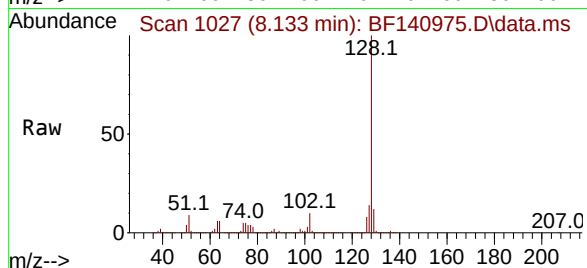
127 13.5 11.0 16.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#32

Benzoic acid

Concen: 48.423 ng

RT: 7.880 min Scan# 984

Delta R.T. 0.017 min

Lab File: BF140975.D

Acq: 26 Dec 2024 18:33

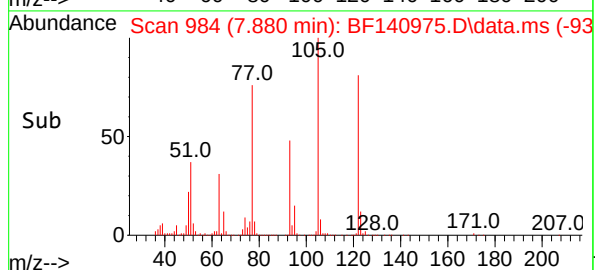
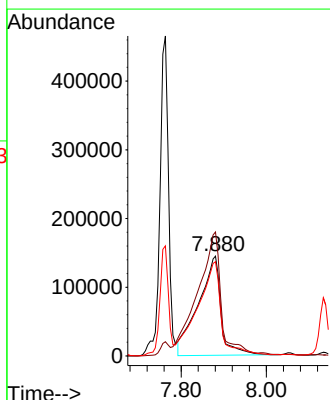
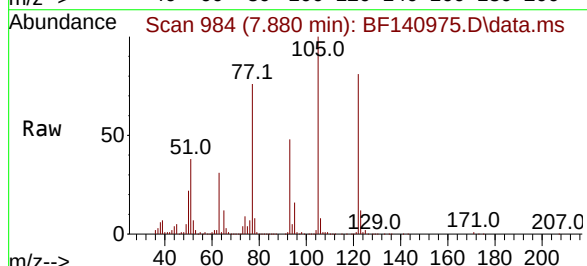
Tgt Ion:122 Resp: 533388

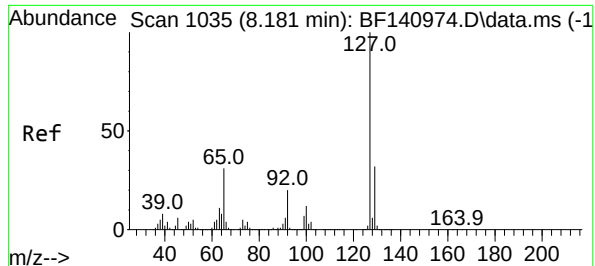
Ion Ratio Lower Upper

122 100

105 124.1 105.4 145.4

77 94.3 76.4 116.4





#33

4-Chloroaniline

Concen: 48.233 ng

RT: 8.186 min Scan# 1035

Delta R.T. 0.006 min

Lab File: BF140975.D

Acq: 26 Dec 2024 18:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:127 Resp: 988410

Ion Ratio Lower Upper

127 100

129 32.8 26.1 39.1

65 30.6 24.6 37.0

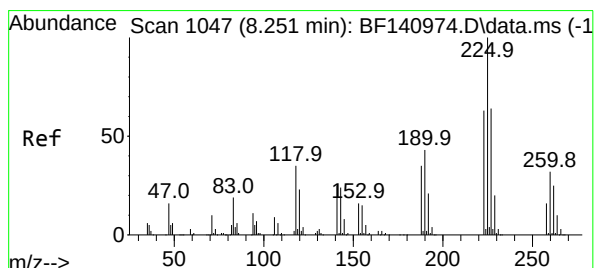
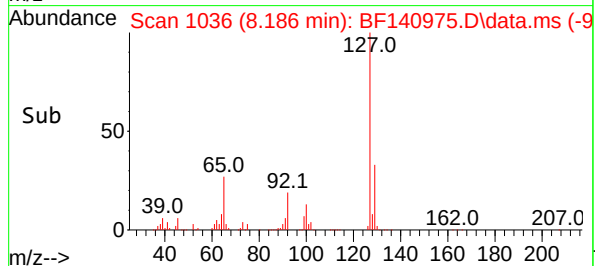
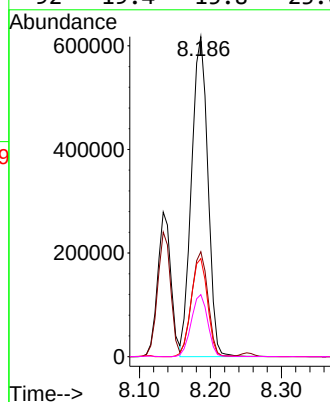
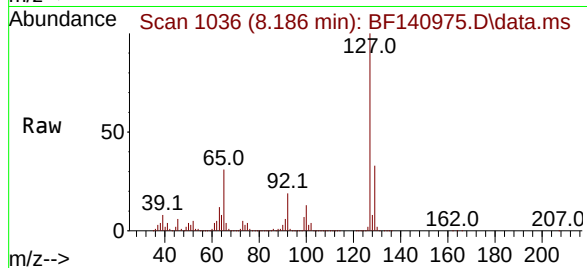
92 19.4 15.8 23.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#34

Hexachlorobutadiene

Concen: 48.012 ng

RT: 8.251 min Scan# 1047

Delta R.T. -0.000 min

Lab File: BF140975.D

Acq: 26 Dec 2024 18:33

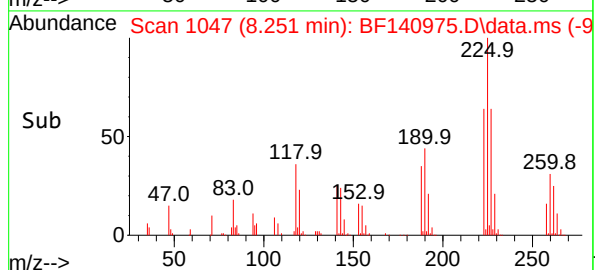
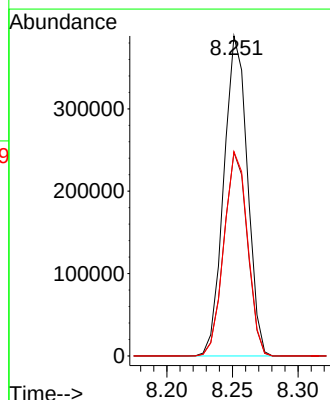
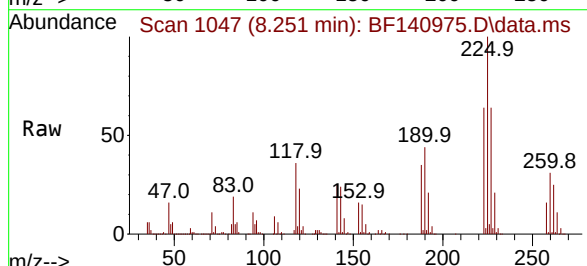
Tgt Ion:225 Resp: 485520

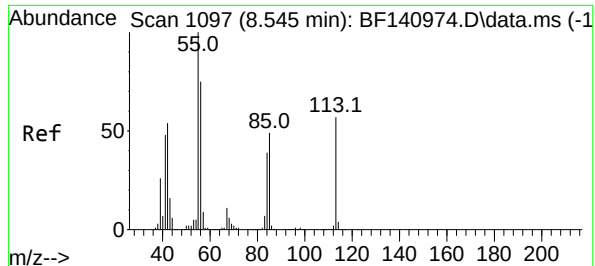
Ion Ratio Lower Upper

225 100

223 63.6 50.3 75.5

227 63.9 50.8 76.2





#35

Caprolactam

Concen: 48.876 ng m

RT: 8.551 min Scan# 1098

Delta R.T. 0.006 min

Lab File: BF140975.D

Acq: 26 Dec 2024 18:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:113 Resp: 25183

Ion Ratio Lower Upper

113 100

55 178.4 156.6 196.6

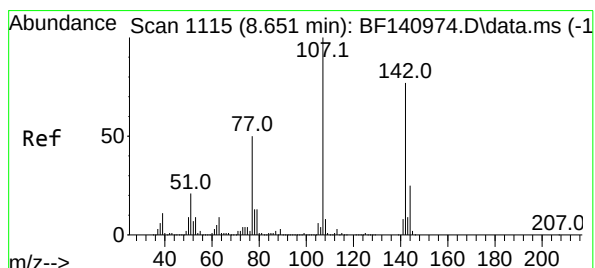
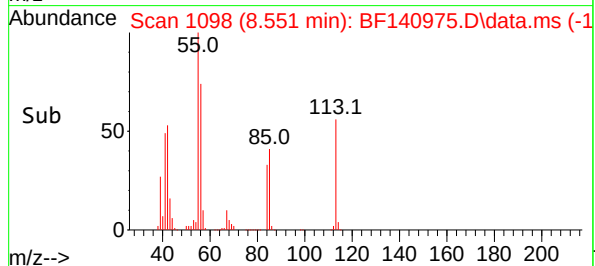
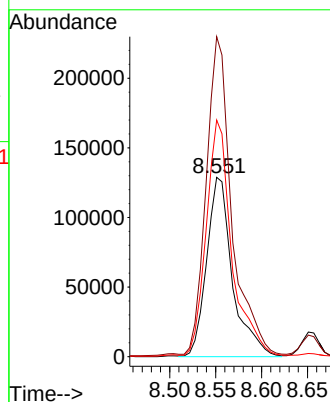
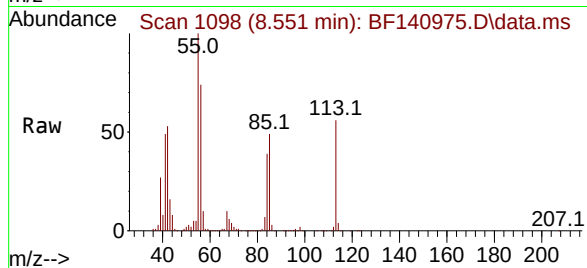
56 132.0 111.7 151.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#36

4-Chloro-3-methylphenol

Concen: 48.589 ng

RT: 8.651 min Scan# 1115

Delta R.T. -0.000 min

Lab File: BF140975.D

Acq: 26 Dec 2024 18:33

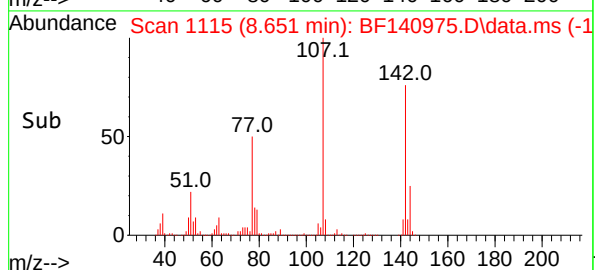
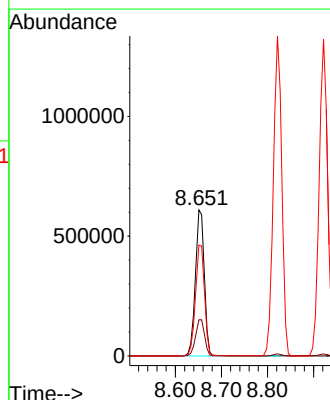
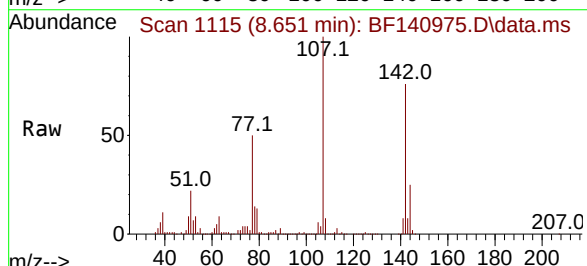
Tgt Ion:107 Resp: 817788

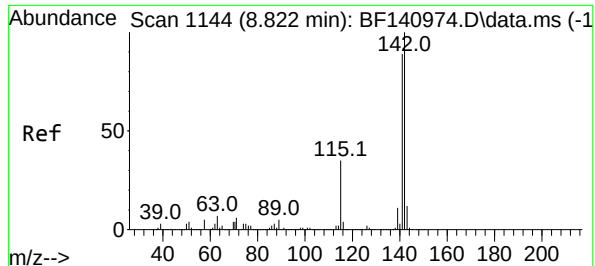
Ion Ratio Lower Upper

107 100

144 24.8 19.9 29.9

142 75.9 61.8 92.8





#37

2-Methylnaphthalene

Concen: 46.676 ng

RT: 8.822 min Scan# 1144

Delta R.T. -0.000 min

Lab File: BF140975.D

Acq: 26 Dec 2024 18:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:142 Resp: 1691438

Ion Ratio Lower Upper

142 100

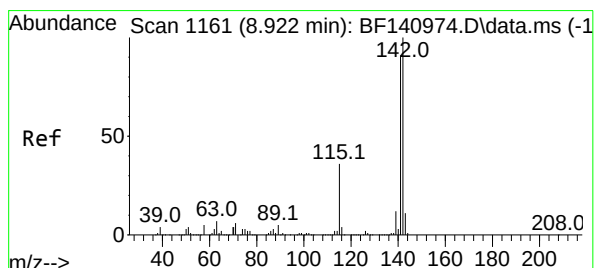
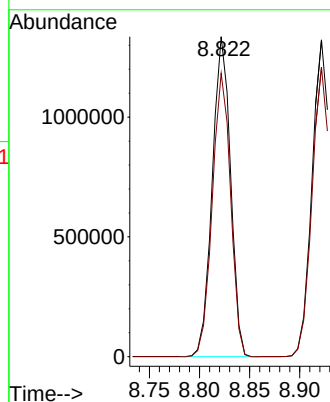
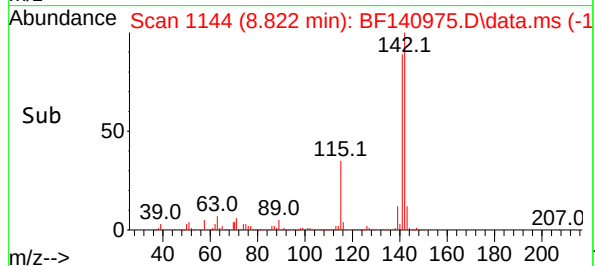
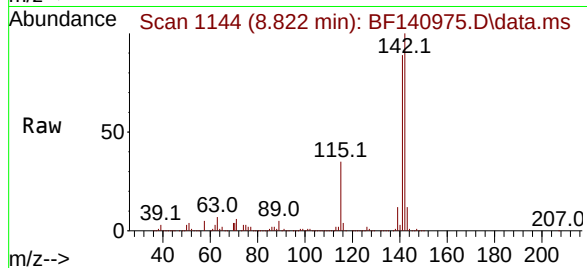
141 88.5 71.1 106.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#38

1-Methylnaphthalene

Concen: 46.607 ng

RT: 8.922 min Scan# 1161

Delta R.T. -0.000 min

Lab File: BF140975.D

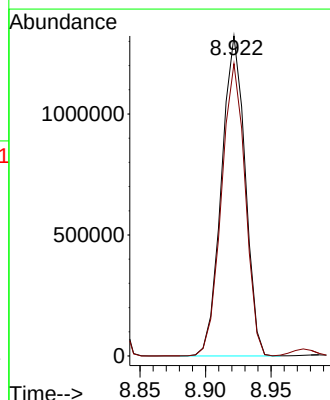
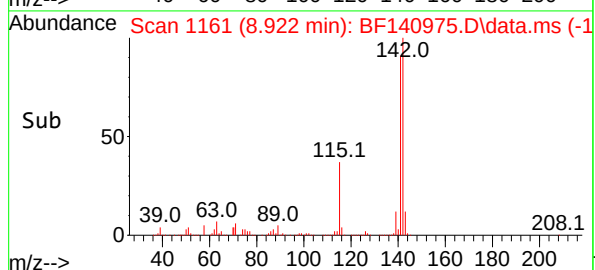
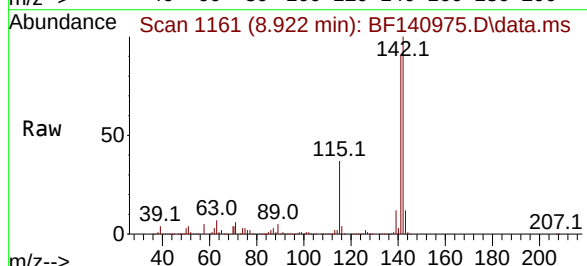
Acq: 26 Dec 2024 18:33

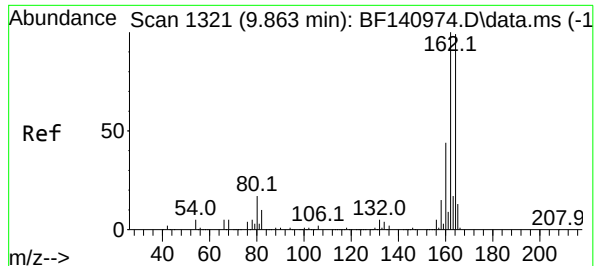
Tgt Ion:142 Resp: 1659875

Ion Ratio Lower Upper

142 100

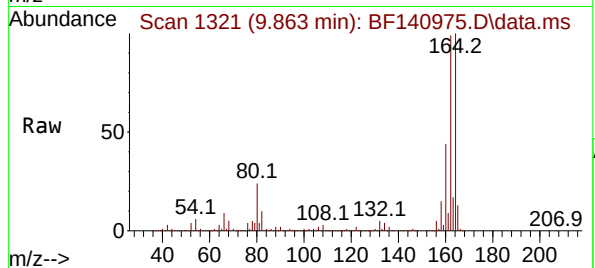
141 91.4 72.7 109.1





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1172
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

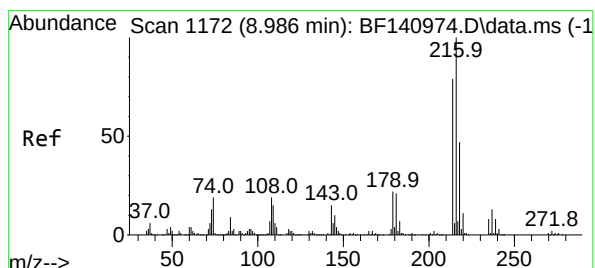
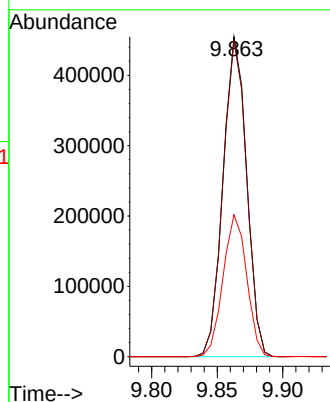
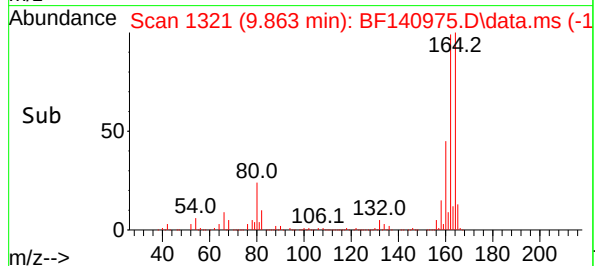
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:164 Resp: 568540
Ion Ratio Lower Upper
164 100
162 98.7 80.6 120.8
160 44.3 35.7 53.5

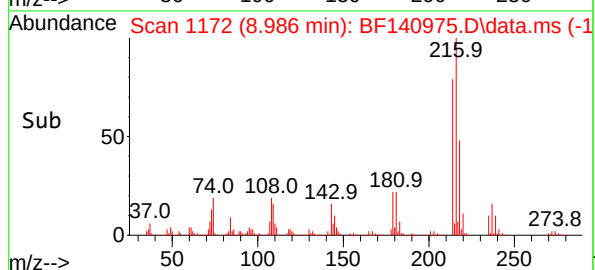
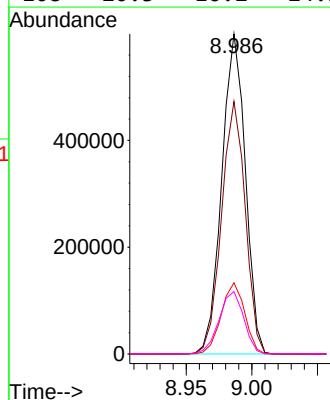
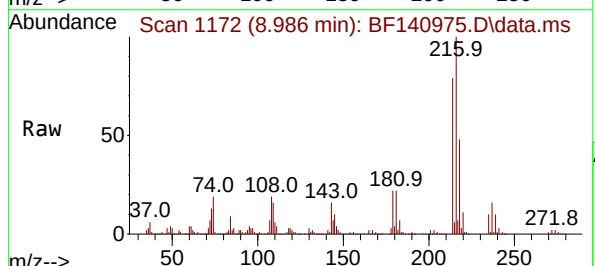
Manual Integrations
APPROVED

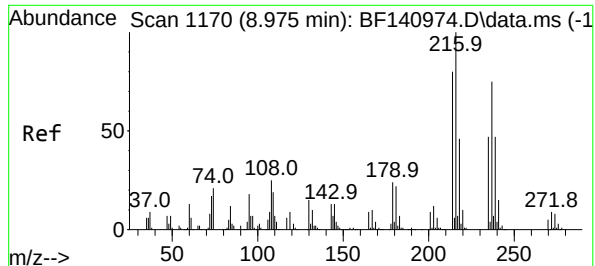
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#40
1,2,4,5-Tetrachlorobenzene
Concen: 47.857 ng
RT: 8.986 min Scan# 1172
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

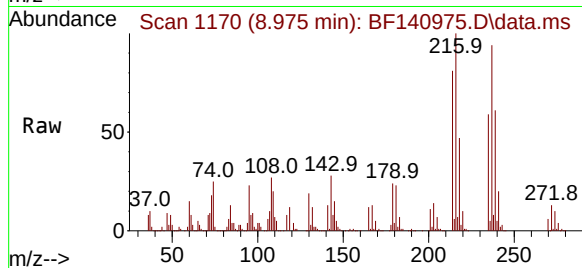
Tgt Ion:216 Resp: 748540
Ion Ratio Lower Upper
216 100
214 79.1 63.0 94.6
179 22.2 17.9 26.9
108 20.3 16.2 24.2





#41
Hexachlorocyclopentadiene
Concen: 51.849 ng
RT: 8.975 min Scan# 1170
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

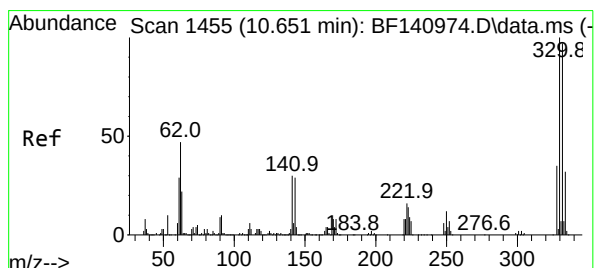
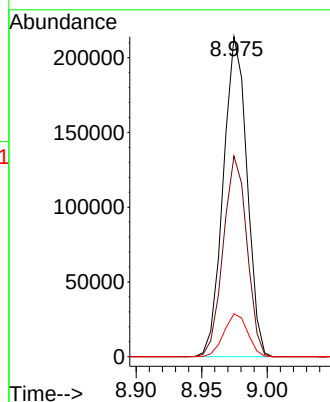
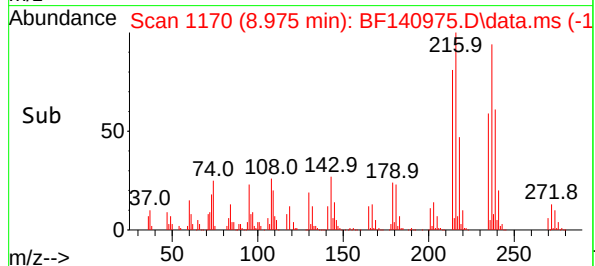
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:237 Resp: 268744
Ion Ratio Lower Upper
237 100
235 62.7 43.4 83.4
272 13.4 0.0 32.6

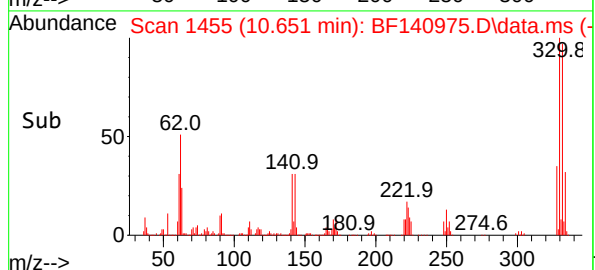
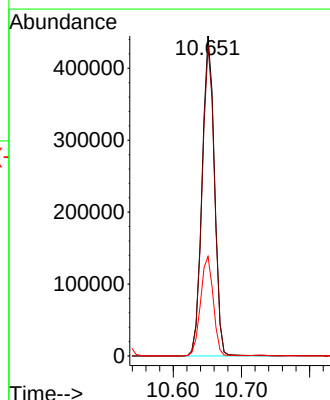
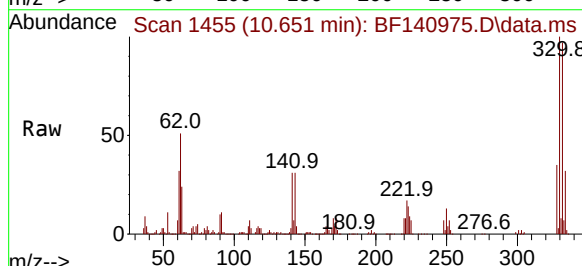
Manual Integrations
APPROVED

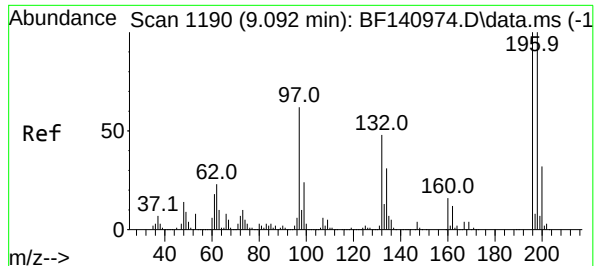
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#42
2,4,6-Tribromophenol
Concen: 101.660 ng
RT: 10.651 min Scan# 1455
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:330 Resp: 561625
Ion Ratio Lower Upper
330 100
332 96.8 78.0 117.0
141 31.9 26.4 39.6





#43

2,4,6-Trichlorophenol

Concen: 48.593 ng

RT: 9.092 min Scan# 1190

Delta R.T. -0.000 min

Lab File: BF140975.D

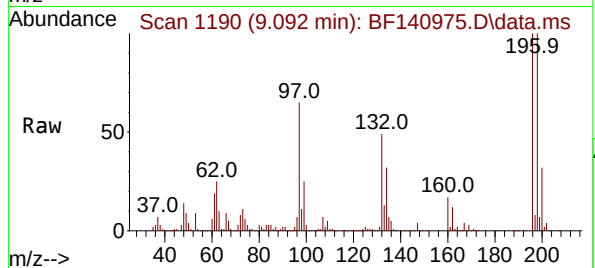
Acq: 26 Dec 2024 18:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050



Tgt Ion:196 Resp: 505859

Ion Ratio Lower Upper

196 100

198 100.0 80.2 120.4

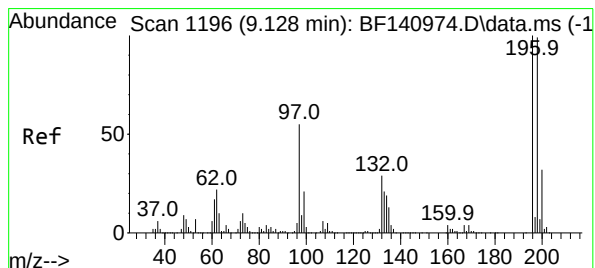
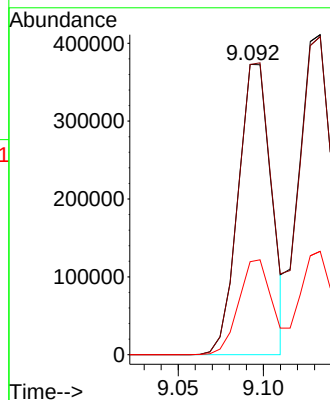
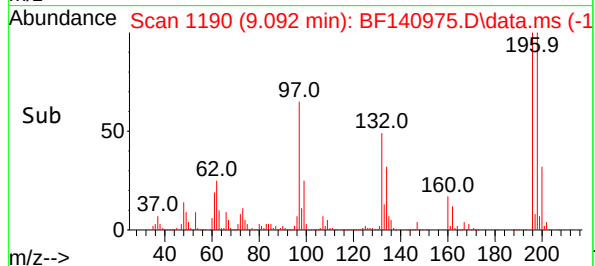
200 32.0 25.8 38.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#44

2,4,5-Trichlorophenol

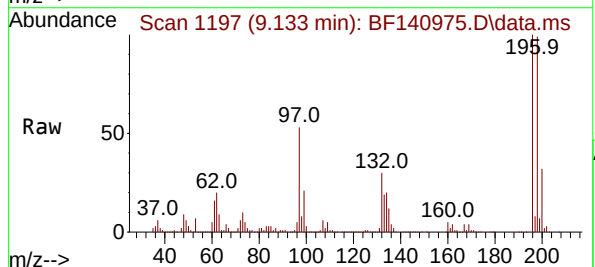
Concen: 51.514 ng

RT: 9.133 min Scan# 1197

Delta R.T. 0.006 min

Lab File: BF140975.D

Acq: 26 Dec 2024 18:33



Tgt Ion:196 Resp: 548701

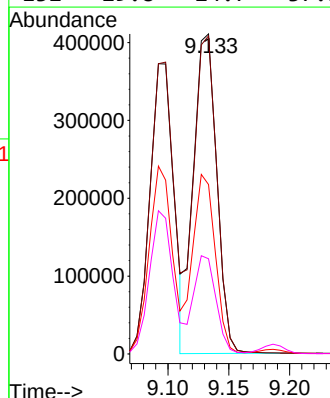
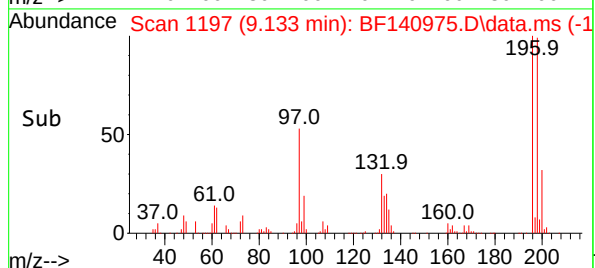
Ion Ratio Lower Upper

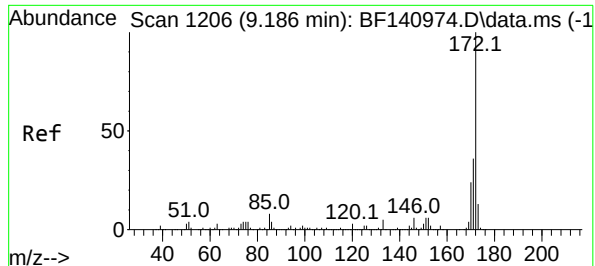
196 100

198 99.4 79.9 119.9

97 53.0 44.3 66.5

132 29.8 24.7 37.1





#45

2-Fluorobiphenyl

Concen: 89.926 ng

RT: 9.186 min Scan# 1206

Delta R.T. -0.000 min

Lab File: BF140975.D

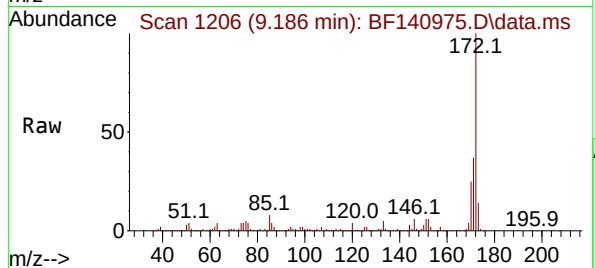
Acq: 26 Dec 2024 18:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050



Tgt Ion:172 Resp: 320898

Ion Ratio Lower Upper

172 100

171 36.8 29.0 43.4

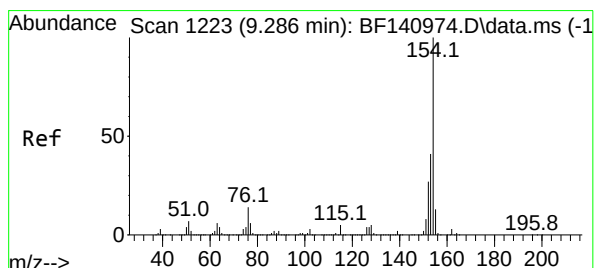
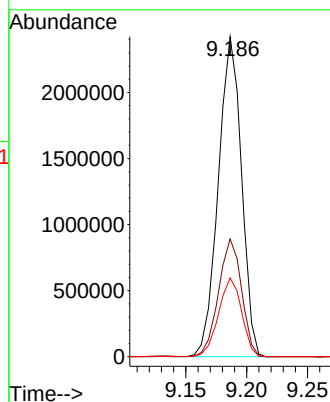
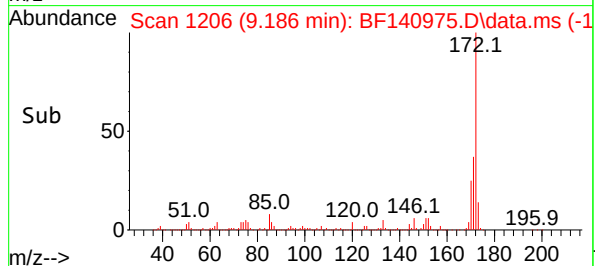
170 24.6 19.6 29.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#46

1,1'-Biphenyl

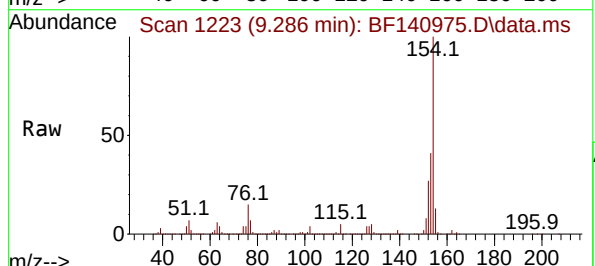
Concen: 46.398 ng

RT: 9.286 min Scan# 1223

Delta R.T. 0.000 min

Lab File: BF140975.D

Acq: 26 Dec 2024 18:33



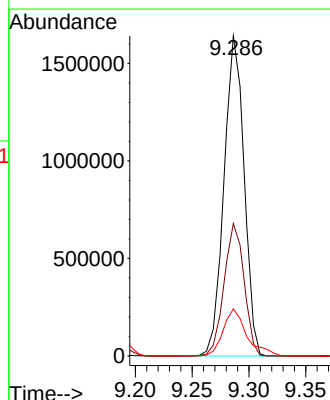
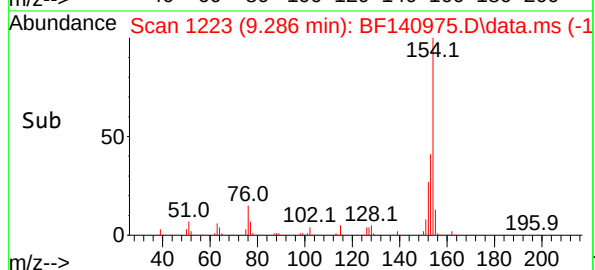
Tgt Ion:154 Resp: 2019837

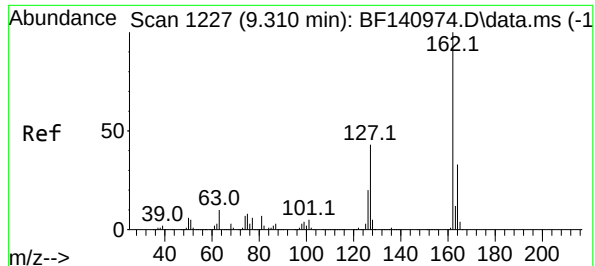
Ion Ratio Lower Upper

154 100

153 41.3 20.9 60.9

76 14.7 0.0 34.0





#47
2-Chloronaphthalene
Concen: 46.928 ng
RT: 9.310 min Scan# 1227
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Instrument :

BNA_F

ClientSampleId :

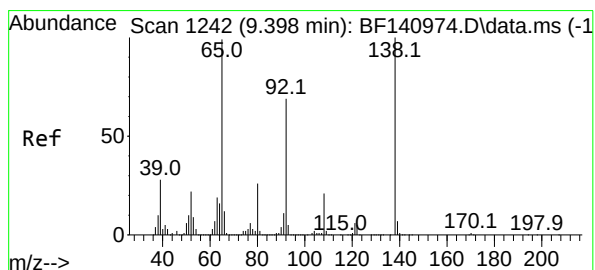
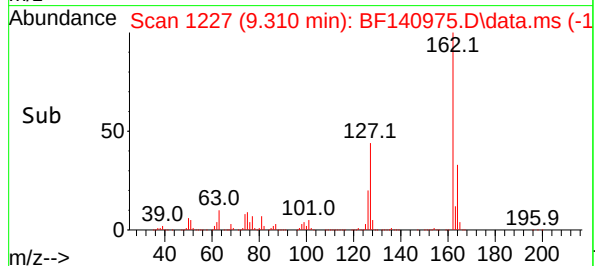
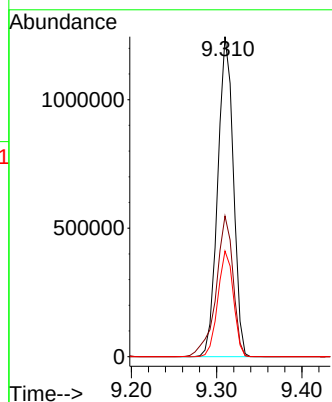
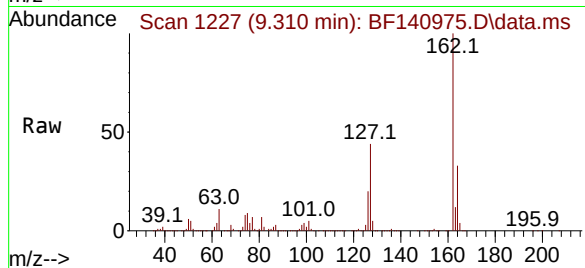
SSTDICC050

Tgt Ion:162 Resp: 158442
Ion Ratio Lower Upper
162 100
127 43.9 34.2 51.4
164 33.0 26.6 40.0

Manual Integrations

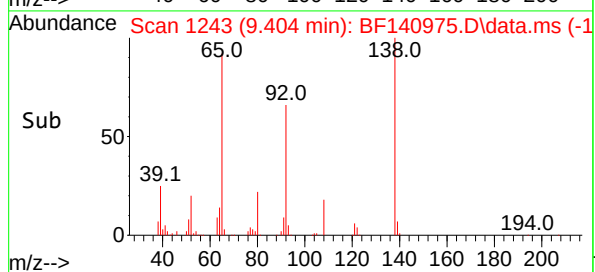
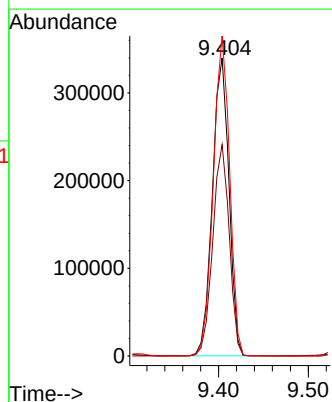
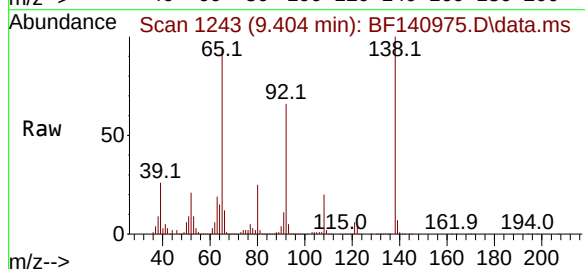
APPROVED

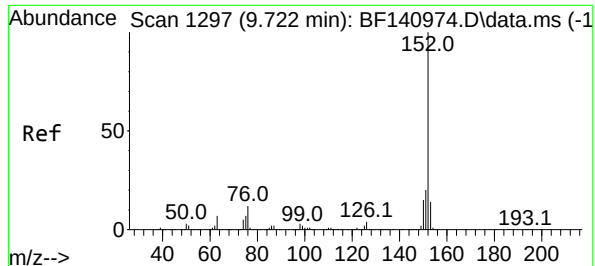
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#48
2-Nitroaniline
Concen: 49.051 ng
RT: 9.404 min Scan# 1243
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

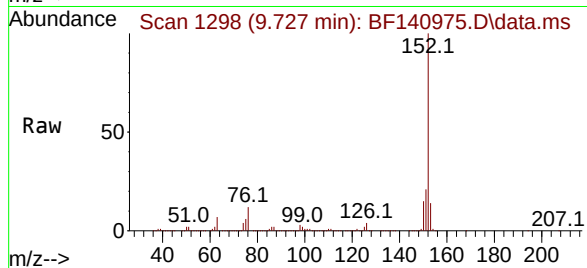
Tgt Ion: 65 Resp: 434235
Ion Ratio Lower Upper
65 100
92 70.9 55.6 83.4
138 107.4 80.5 120.7





#49
Acenaphthylene
Concen: 47.341 ng
RT: 9.727 min Scan# 1298
Delta R.T. 0.005 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

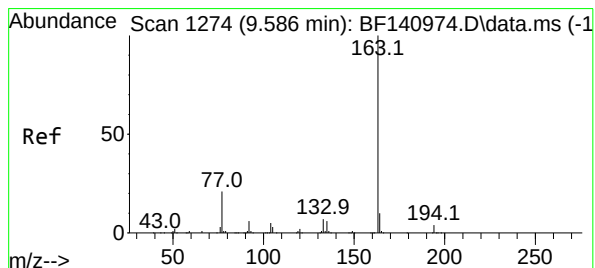
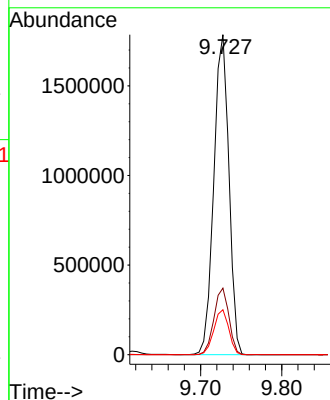
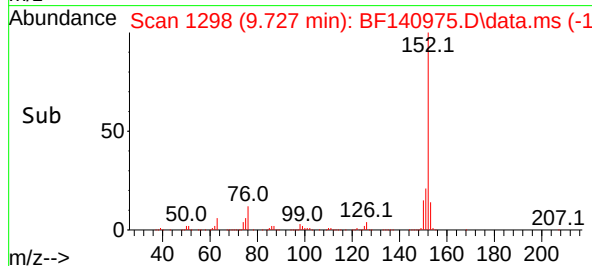
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:152 Resp: 2300924
Ion Ratio Lower Upper
152 100
151 20.8 16.2 24.4
153 14.0 11.4 17.0

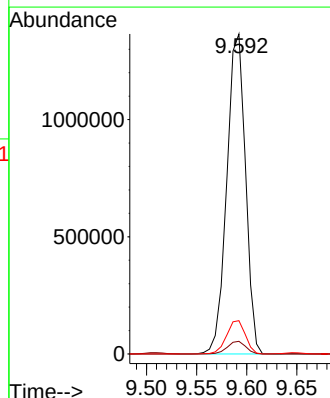
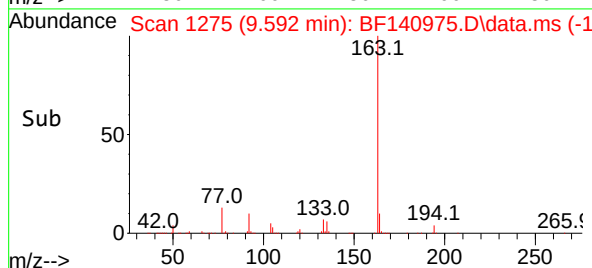
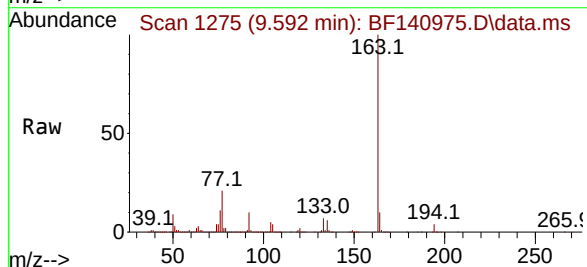
Manual Integrations
APPROVED

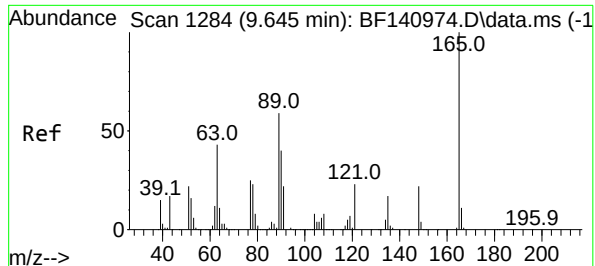
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#50
Dimethylphthalate
Concen: 47.363 ng
RT: 9.592 min Scan# 1275
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

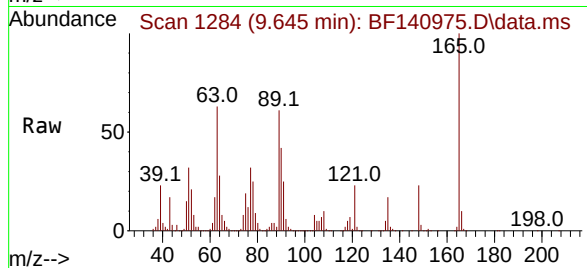
Tgt Ion:163 Resp: 1771217
Ion Ratio Lower Upper
163 100
194 4.0 3.1 4.7
164 10.4 8.3 12.5





#51
2,6-Dinitrotoluene
Concen: 50.003 ng
RT: 9.645 min Scan# 1284
Delta R.T. 0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

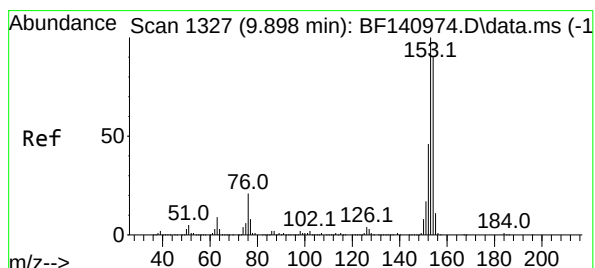
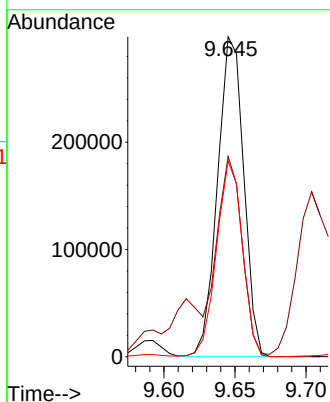
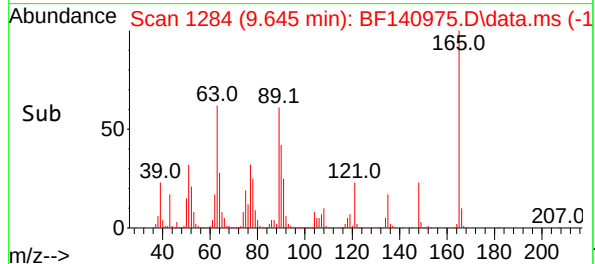
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:165 Resp: 382604
Ion Ratio Lower Upper
165 100
63 62.6 47.1 70.7
89 61.2 47.0 70.4

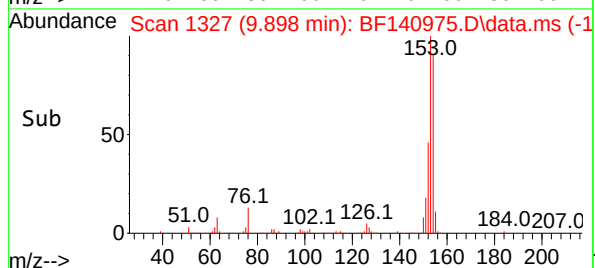
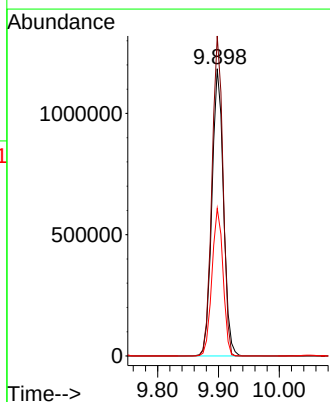
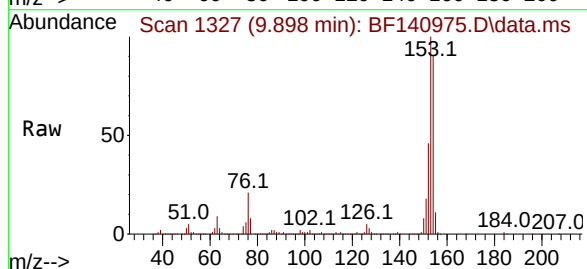
Manual Integrations
APPROVED

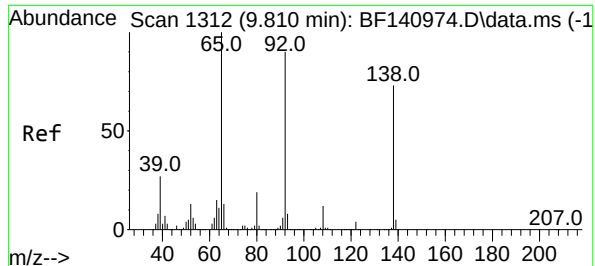
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#52
Acenaphthene
Concen: 47.414 ng
RT: 9.898 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

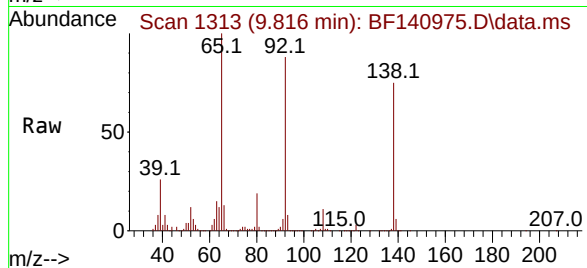
Tgt Ion:154 Resp: 1557911
Ion Ratio Lower Upper
154 100
153 111.4 89.2 133.8
152 51.4 40.9 61.3





#53
3-Nitroaniline
Concen: 49.386 ng
RT: 9.816 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

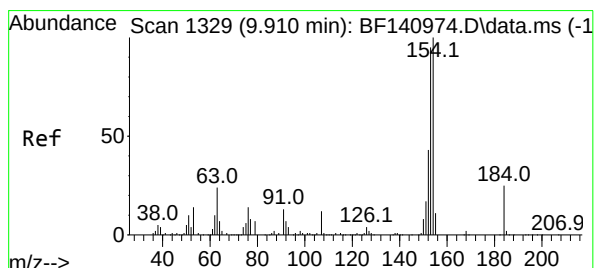
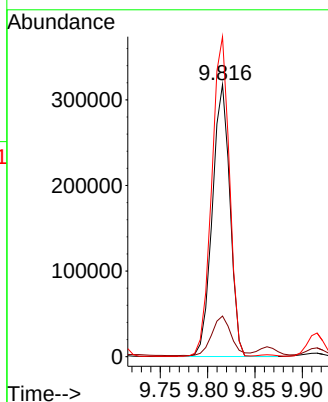
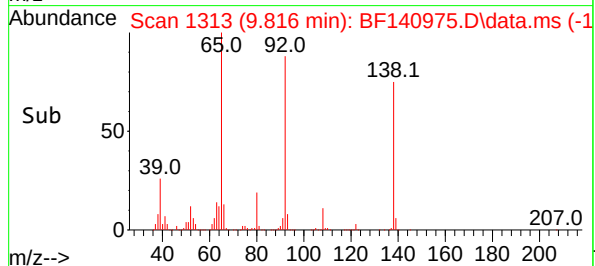
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:138 Resp: 41044
Ion Ratio Lower Upper
138 100
108 14.9 13.5 20.3
92 117.6 97.7 146.5

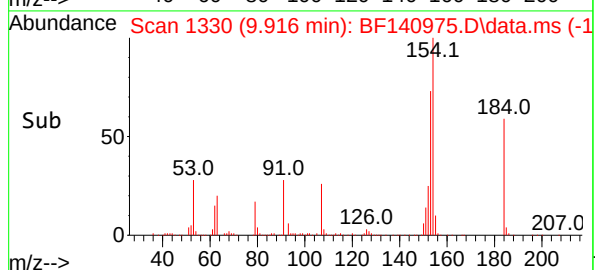
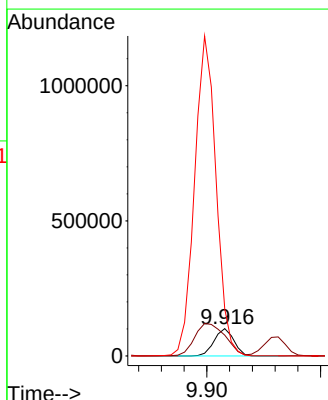
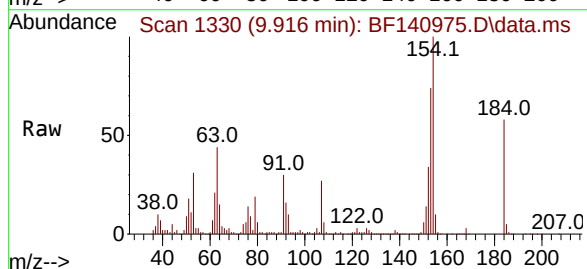
Manual Integrations
APPROVED

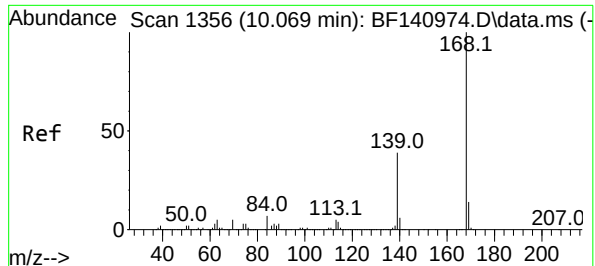
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#54
2,4-Dinitrophenol
Concen: 49.996 ng
RT: 9.916 min Scan# 1330
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:184 Resp: 121967
Ion Ratio Lower Upper
184 100
63 76.0 81.6 122.4#
154 171.1 363.5 545.3#





#55

Dibenzenofuran

Concen: 46.887 ng

RT: 10.069 min Scan# 1356

Delta R.T. -0.000 min

Lab File: BF140975.D

Acq: 26 Dec 2024 18:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:168 Resp: 2165079

Ion Ratio Lower Upper

168 100

139 39.8 31.6 47.4

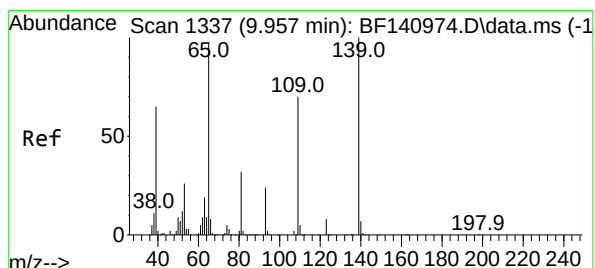
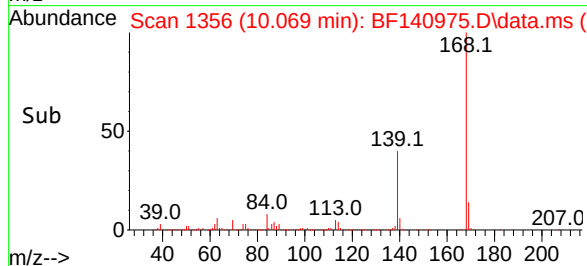
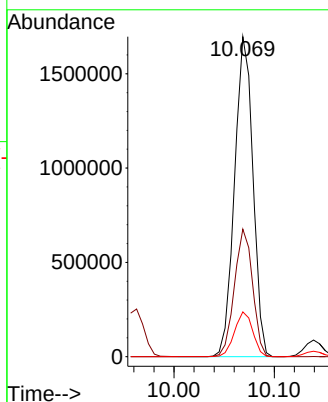
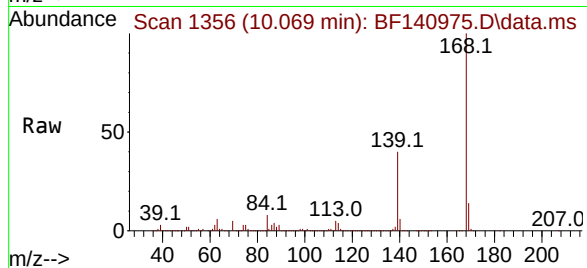
169 14.0 11.0 16.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#56

4-Nitrophenol

Concen: 52.728 ng

RT: 9.963 min Scan# 1338

Delta R.T. 0.006 min

Lab File: BF140975.D

Acq: 26 Dec 2024 18:33

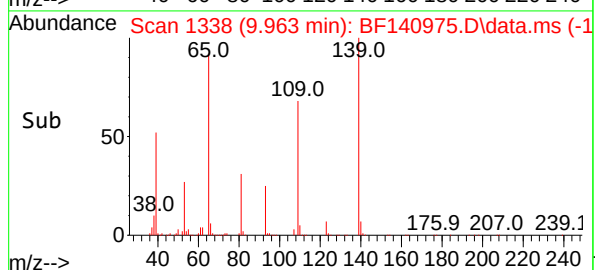
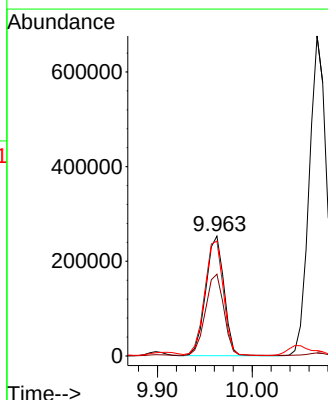
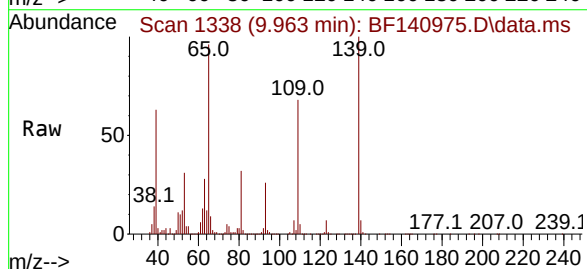
Tgt Ion:139 Resp: 337300

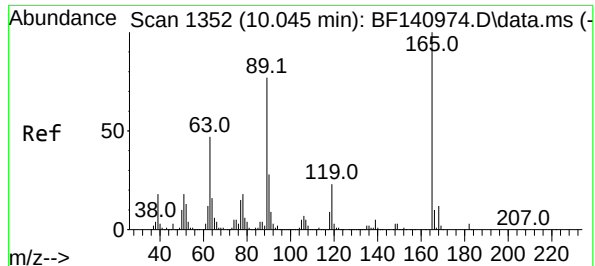
Ion Ratio Lower Upper

139 100

109 68.3 50.8 90.8

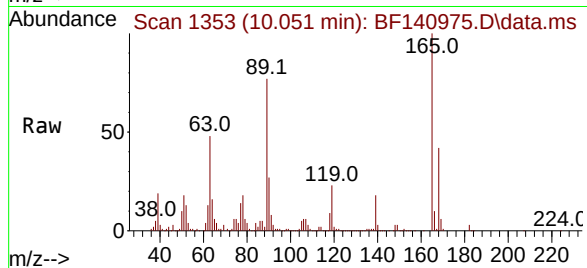
65 95.9 78.5 118.5





#57
2,4-Dinitrotoluene
Concen: 49.535 ng
RT: 10.051 min Scan# 1353
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

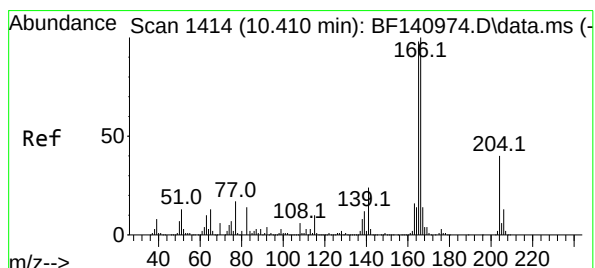
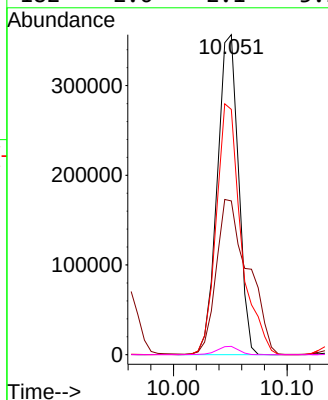
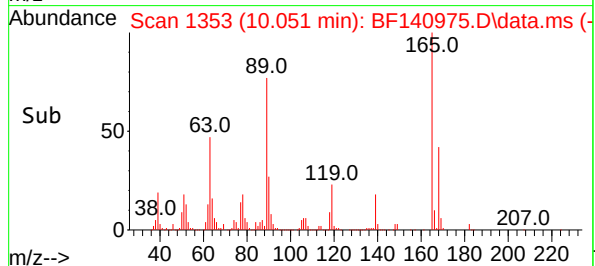
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:165 Resp: 463772
Ion Ratio Lower Upper
165 100
63 48.1 38.1 57.1
89 76.6 61.4 92.2
182 2.6 2.1 3.1

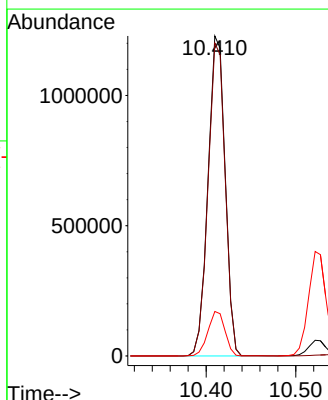
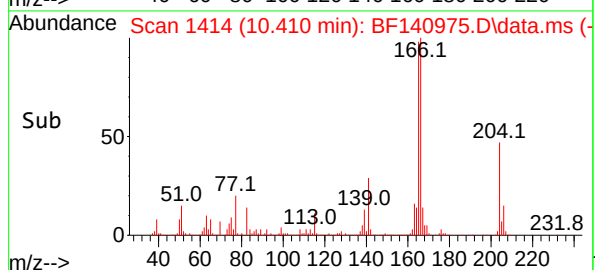
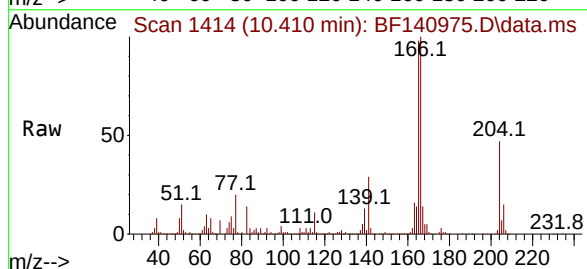
Manual Integrations
APPROVED

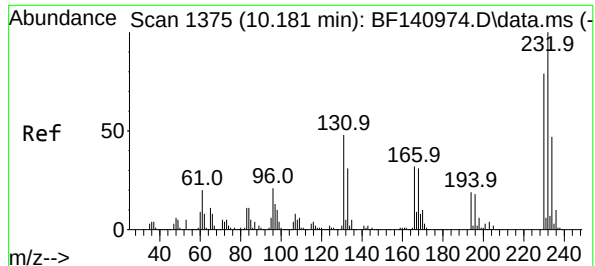
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#58
Fluorene
Concen: 45.492 ng
RT: 10.410 min Scan# 1414
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

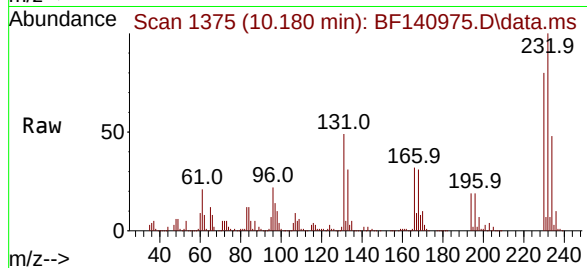
Tgt Ion:166 Resp: 1628964
Ion Ratio Lower Upper
166 100
165 97.8 78.3 117.5
167 13.9 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 49.455 ng
RT: 10.180 min Scan# 1375
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

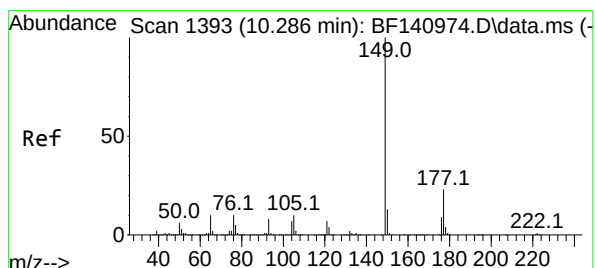
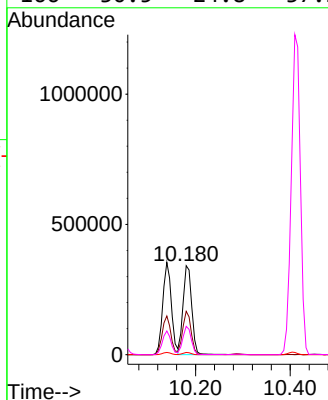
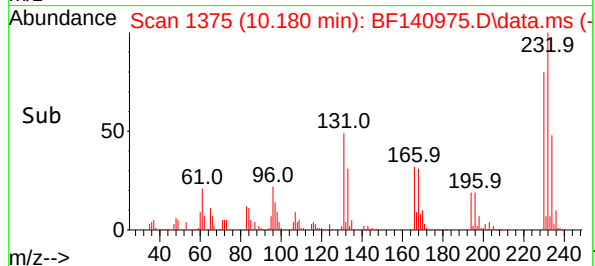
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:232 Resp: 436271
Ion Ratio Lower Upper
232 100
131 46.9 37.4 56.2
130 2.3 1.8 2.8
166 30.5 24.8 37.2

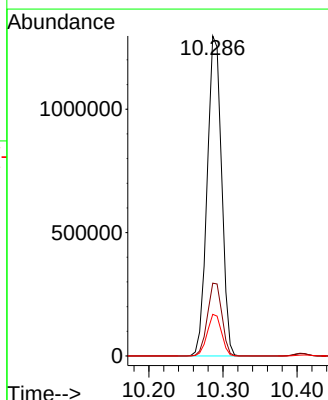
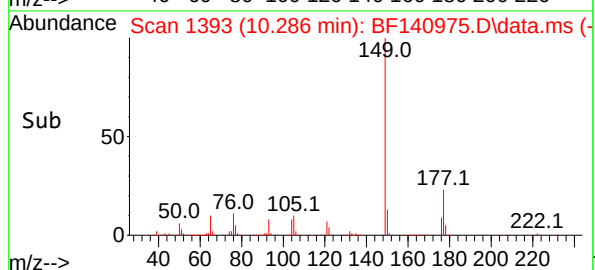
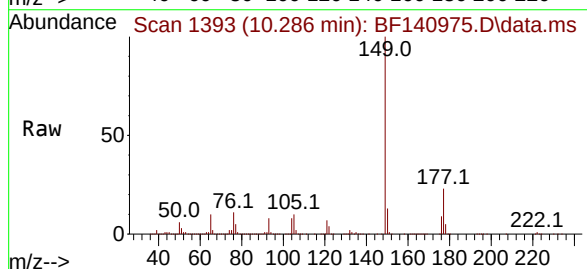
Manual Integrations
APPROVED

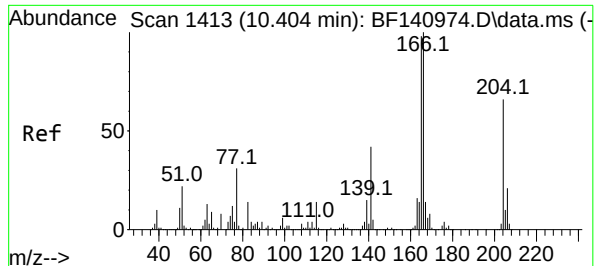
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#60
Diethylphthalate
Concen: 47.359 ng
RT: 10.286 min Scan# 1393
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

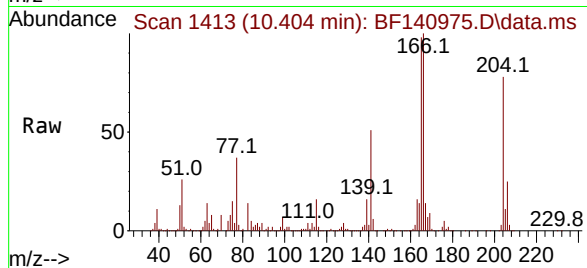
Tgt Ion:149 Resp: 1748454
Ion Ratio Lower Upper
149 100
177 22.7 18.3 27.5
150 13.0 10.4 15.6





#61
4-Chlorophenyl-phenylether
Concen: 46.203 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

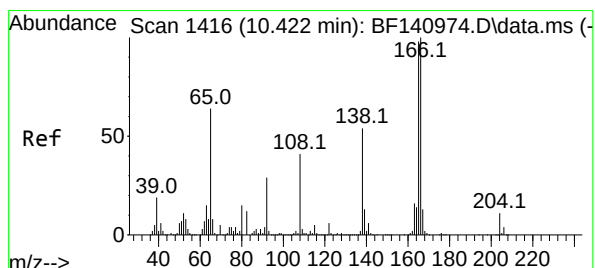
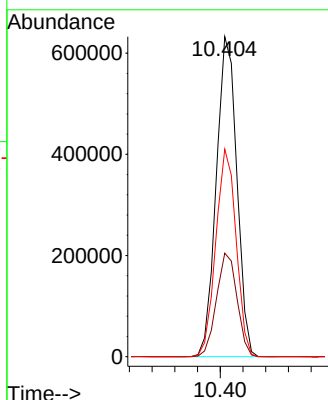
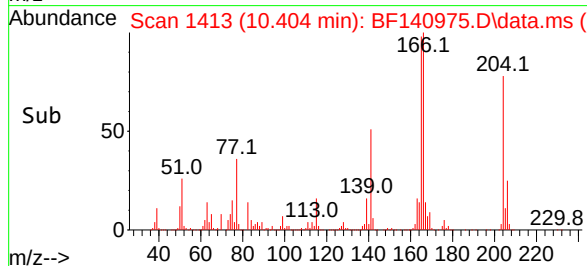
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



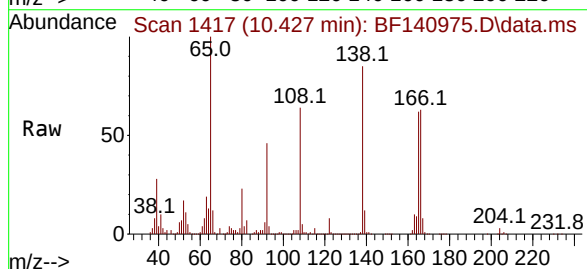
Tgt Ion:204 Resp: 796072
Ion Ratio Lower Upper
204 100
206 32.4 25.8 38.6
141 64.9 51.2 76.8

Manual Integrations
APPROVED

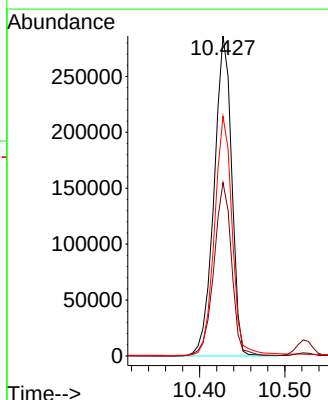
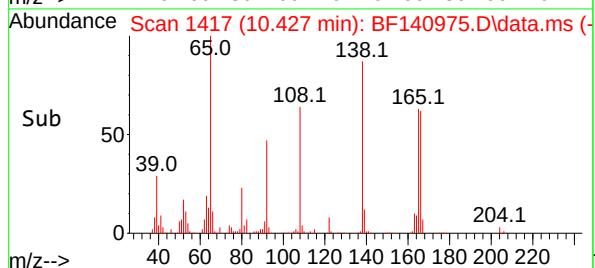
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

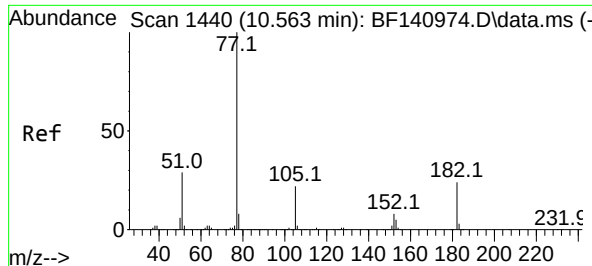


#62
4-Nitroaniline
Concen: 49.614 ng
RT: 10.427 min Scan# 1417
Delta R.T. 0.005 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33



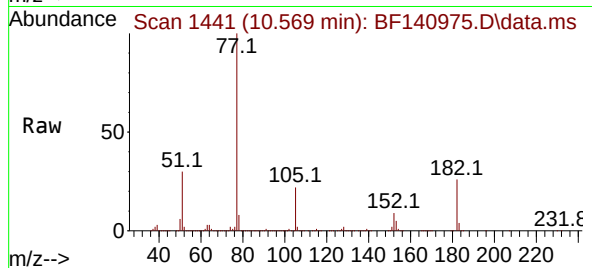
Tgt Ion:138 Resp: 412091
Ion Ratio Lower Upper
138 100
92 54.2 34.8 74.8
108 74.9 55.9 95.9





#63
Azobenzene
Concen: 47.507 ng
RT: 10.569 min Scan# 1440
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

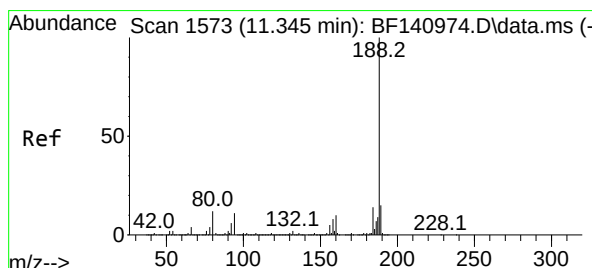
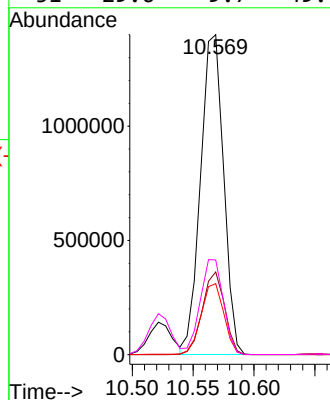
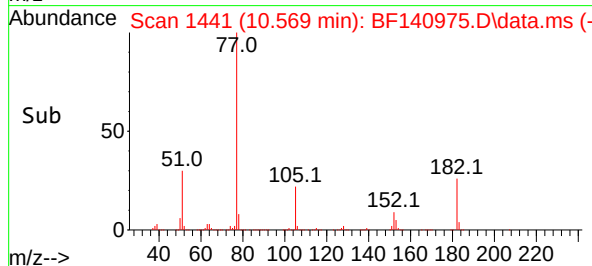
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion: 77 Resp: 1840940
Ion Ratio Lower Upper
77 100
182 25.9 4.1 44.1
105 22.2 1.8 41.8
51 29.6 9.7 49.7

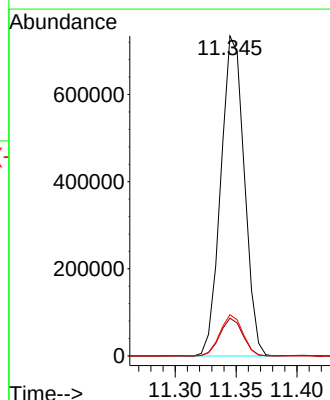
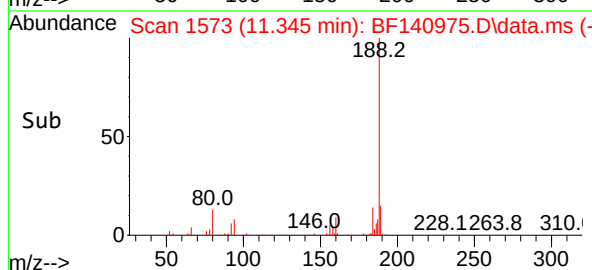
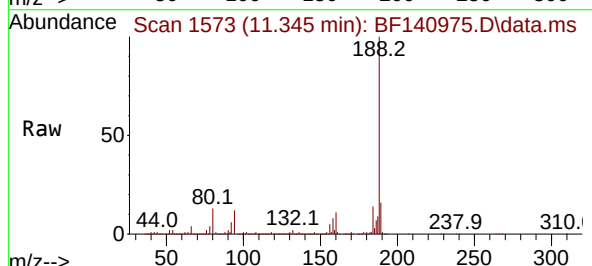
Manual Integrations
APPROVED

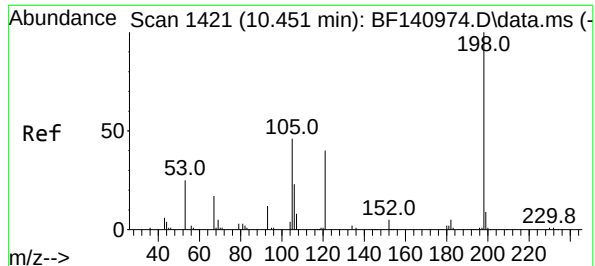
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1573
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:188 Resp: 984477
Ion Ratio Lower Upper
188 100
94 11.8 9.0 13.6
80 12.9 9.8 14.6





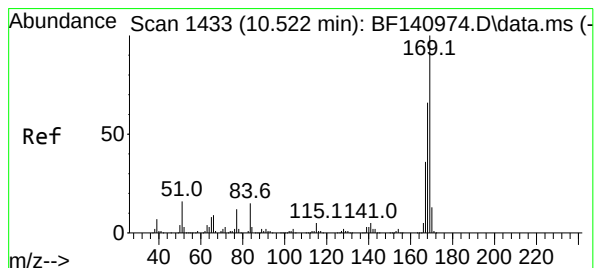
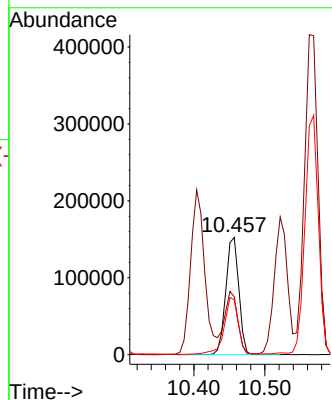
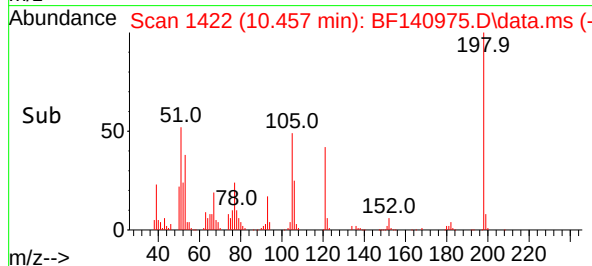
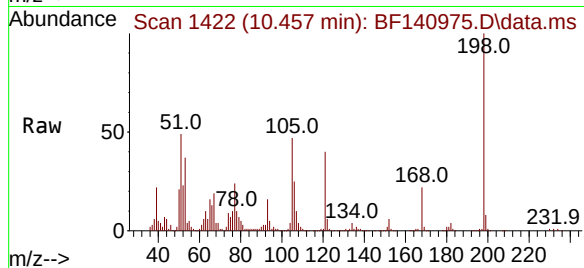
#65
4,6-Dinitro-2-methylphenol
Concen: 48.976 ng
RT: 10.457 min Scan# 1421
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:198 Resp: 193168
Ion Ratio Lower Upper
198 100
51 49.3 32.3 72.3
105 46.8 28.4 68.4

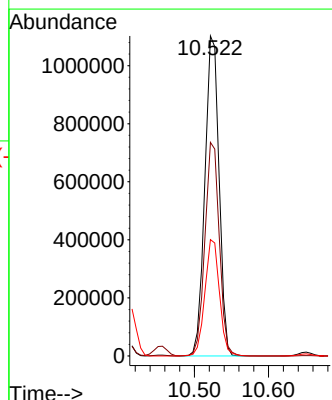
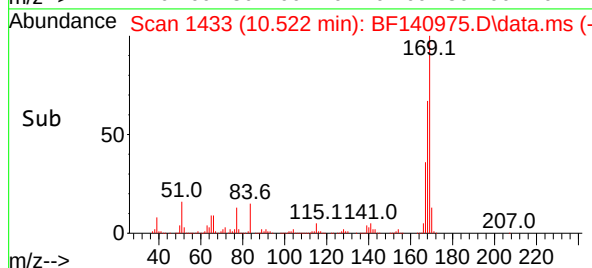
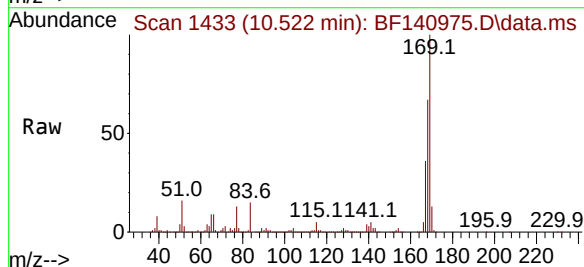
Manual Integrations
APPROVED

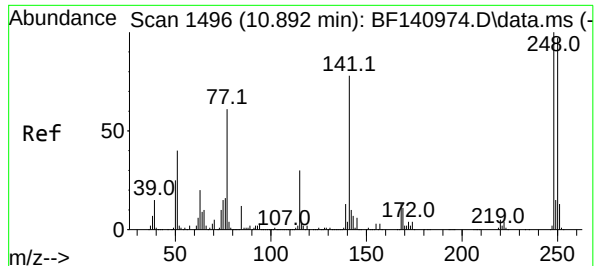
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#66
n-Nitrosodiphenylamine
Concen: 47.193 ng
RT: 10.522 min Scan# 1433
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

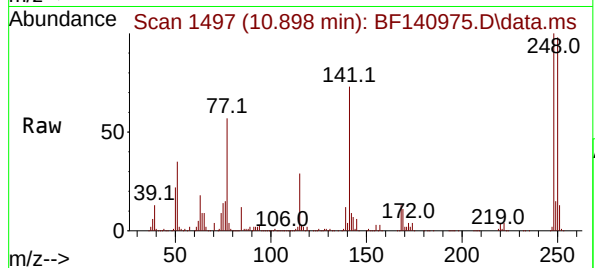
Tgt Ion:169 Resp: 1463039
Ion Ratio Lower Upper
169 100
168 66.8 52.6 79.0
167 36.4 29.0 43.4





#67
4-Bromophenyl-phenylether
Concen: 48.981 ng
RT: 10.898 min Scan# 1497
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

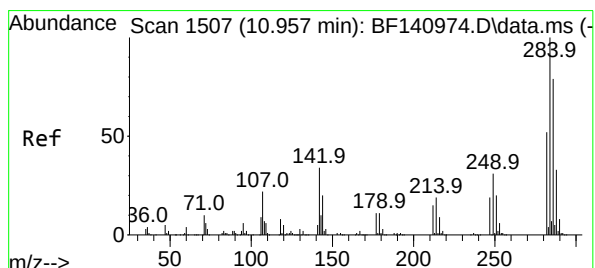
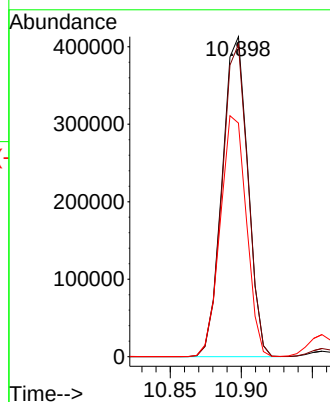
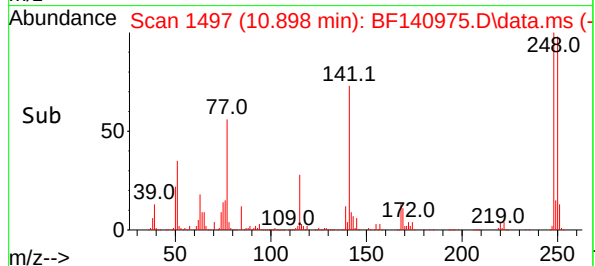
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:248 Resp: 521270
Ion Ratio Lower Upper
248 100
250 97.6 77.7 116.5
141 73.0 62.1 93.1

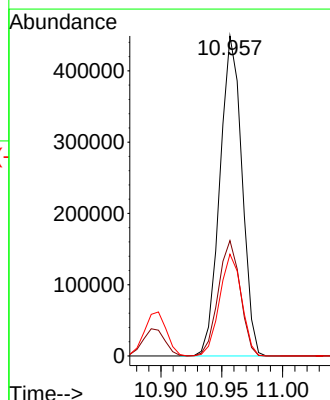
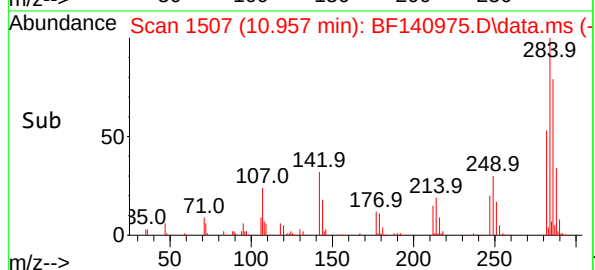
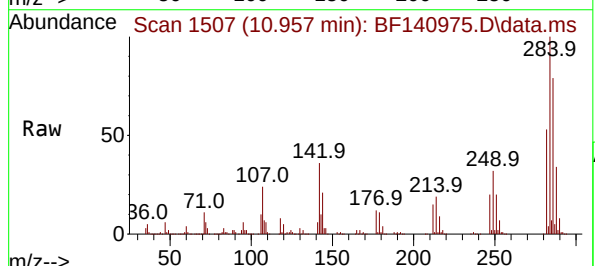
Manual Integrations
APPROVED

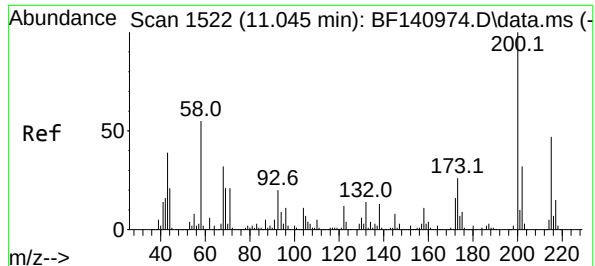
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#68
Hexachlorobenzene
Concen: 48.368 ng
RT: 10.957 min Scan# 1507
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:284 Resp: 567592
Ion Ratio Lower Upper
284 100
142 36.0 27.1 40.7
249 31.8 25.1 37.7





#69

Atrazine

Concen: 41.889 ng

RT: 11.051 min Scan# 1523

Delta R.T. 0.006 min

Lab File: BF140975.D

Acq: 26 Dec 2024 18:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:200 Resp: 362780

Ion Ratio Lower Upper

200 100

173 26.7 6.4 46.4

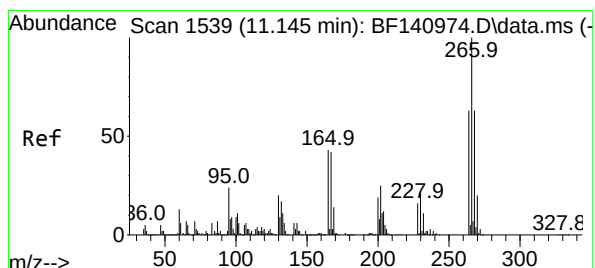
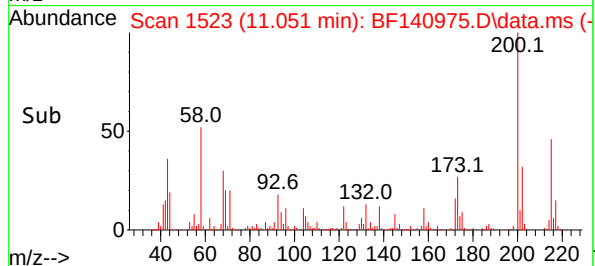
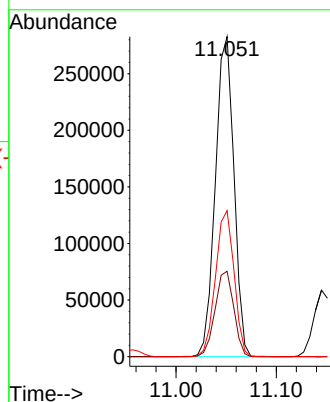
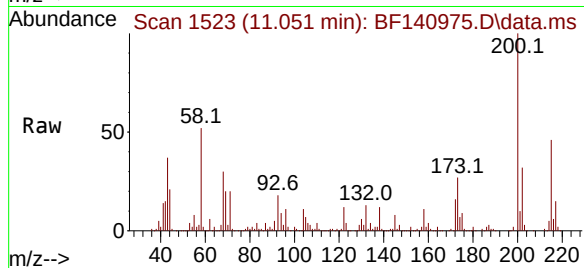
215 45.6 27.2 67.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#70

Pentachlorophenol

Concen: 52.476 ng

RT: 11.145 min Scan# 1539

Delta R.T. -0.000 min

Lab File: BF140975.D

Acq: 26 Dec 2024 18:33

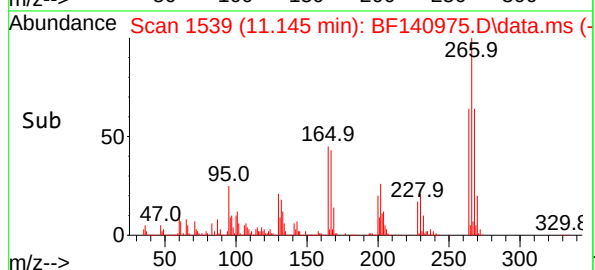
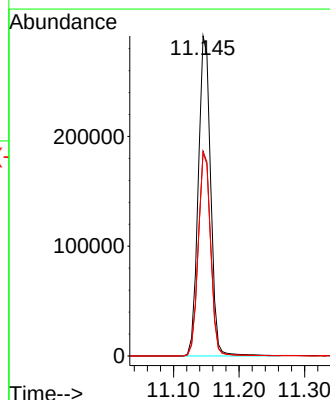
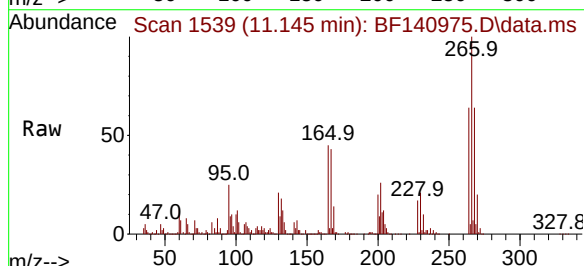
Tgt Ion:266 Resp: 383398

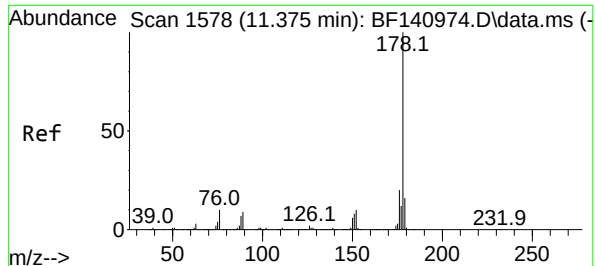
Ion Ratio Lower Upper

266 100

268 64.0 50.5 75.7

264 63.6 50.2 75.4





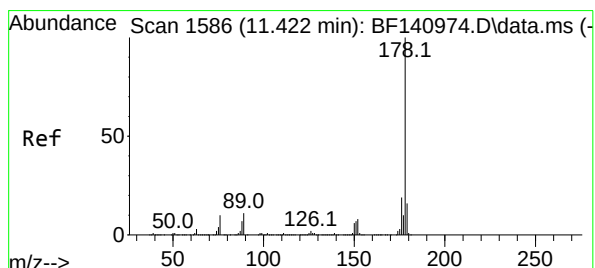
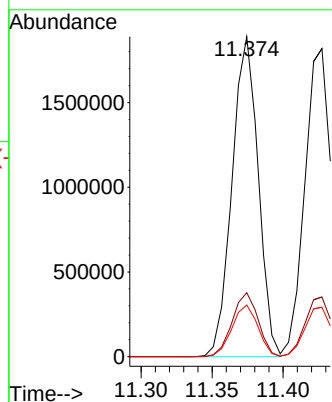
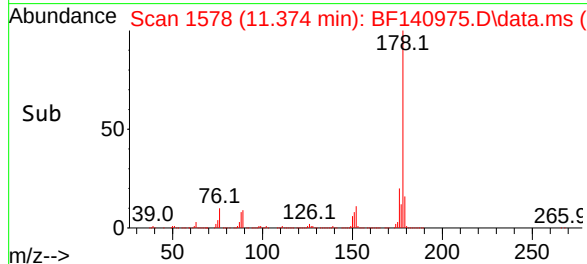
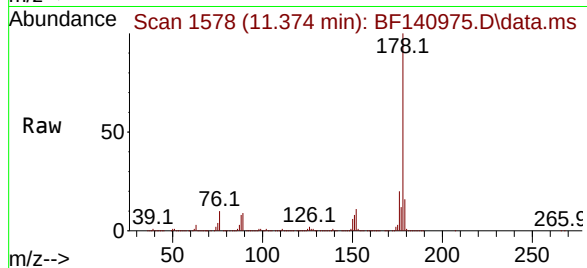
#71
Phenanthrene
Concen: 46.658 ng
RT: 11.374 min Scan# 1578
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:178 Resp: 2417558
Ion Ratio Lower Upper
178 100
176 20.0 15.8 23.6
179 16.2 12.6 19.0

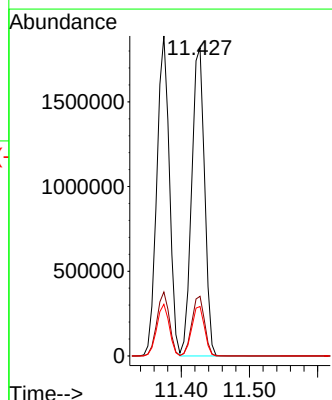
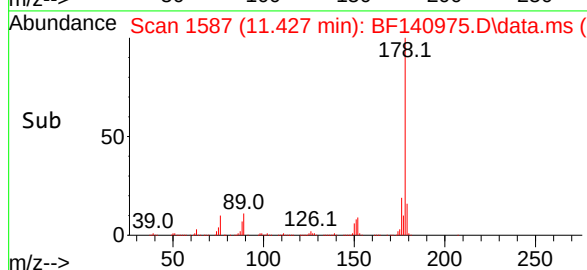
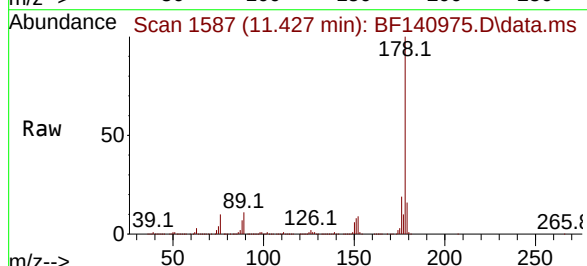
Manual Integrations
APPROVED

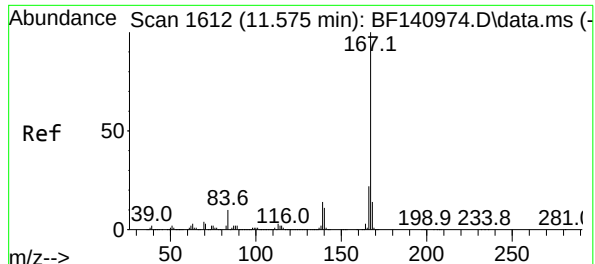
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#72
Anthracene
Concen: 46.682 ng
RT: 11.427 min Scan# 1587
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

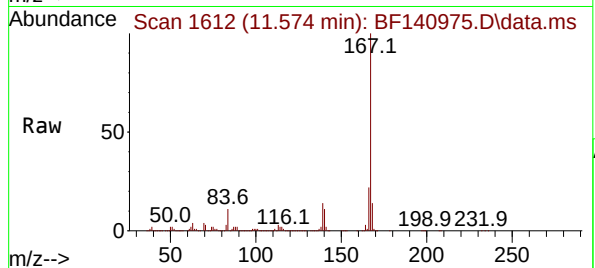
Tgt Ion:178 Resp: 2370103
Ion Ratio Lower Upper
178 100
176 19.4 15.3 22.9
179 16.0 12.9 19.3





#73
Carbazole
Concen: 46.552 ng
RT: 11.574 min Scan# 1612
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

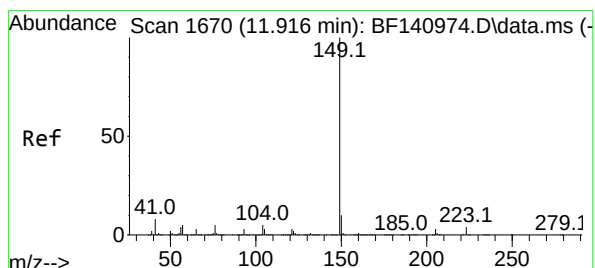
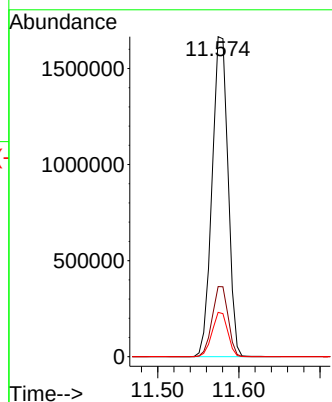
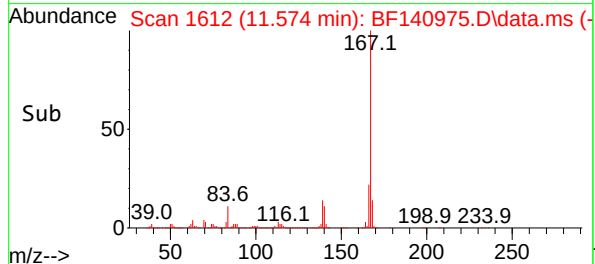
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:167 Resp: 2272070
Ion Ratio Lower Upper
167 100
166 21.9 17.5 26.3
139 13.8 11.0 16.4

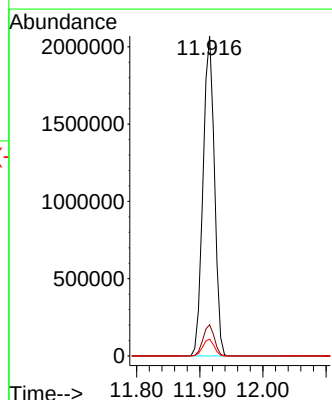
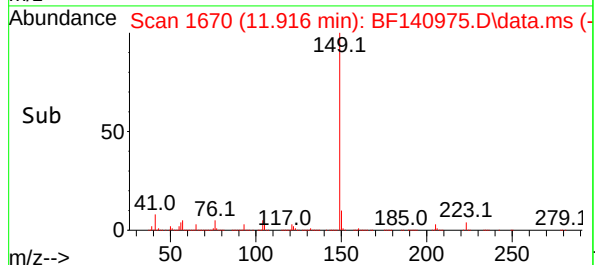
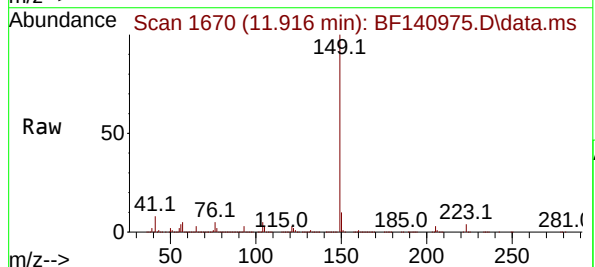
Manual Integrations
APPROVED

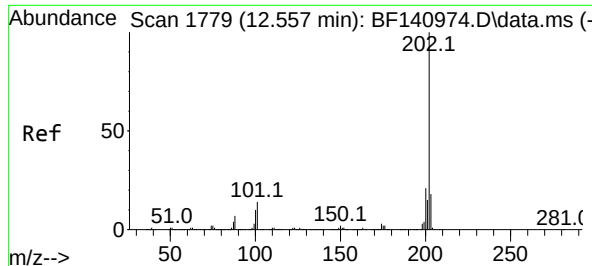
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#74
Di-n-butylphthalate
Concen: 46.746 ng
RT: 11.916 min Scan# 1670
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

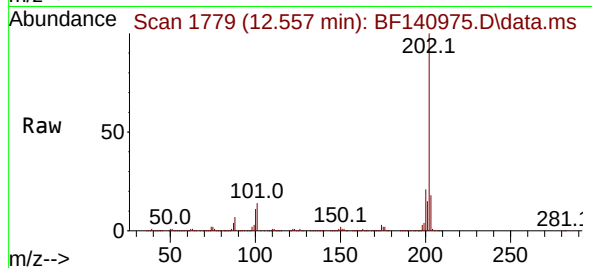
Tgt Ion:149 Resp: 2595020
Ion Ratio Lower Upper
149 100
150 9.7 7.7 11.5
104 5.3 4.1 6.1





#75
Fluoranthene
Concen: 45.972 ng
RT: 12.557 min Scan# 1779
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

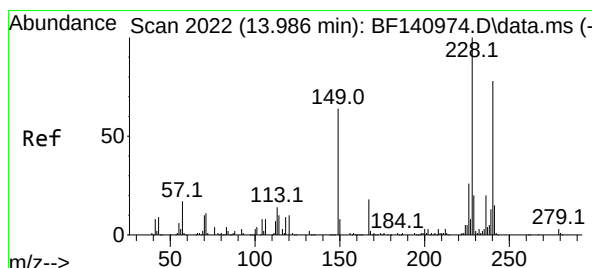
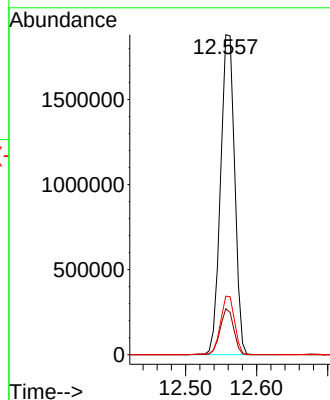
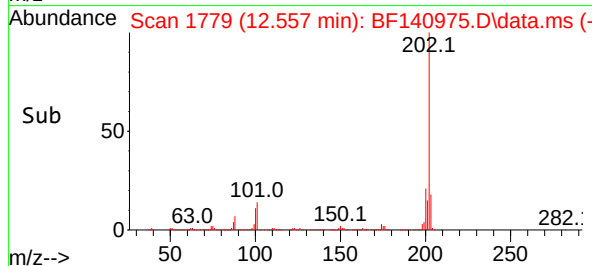
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:202 Resp: 2583438
Ion Ratio Lower Upper
202 100
101 14.3 0.0 33.7
203 18.3 0.0 38.1

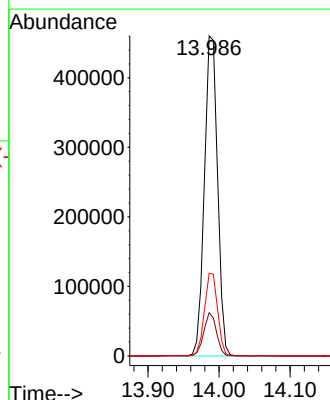
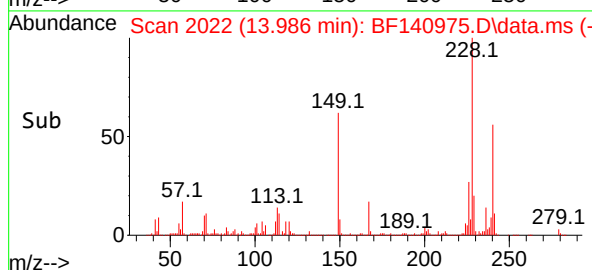
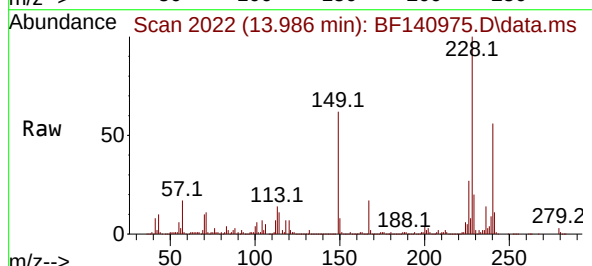
Manual Integrations
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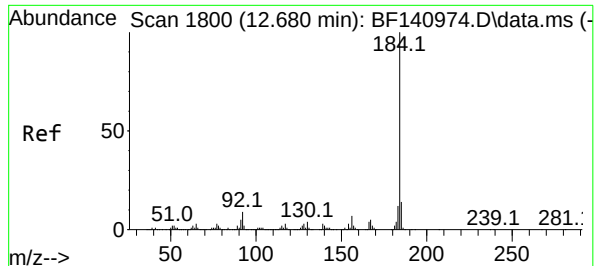
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

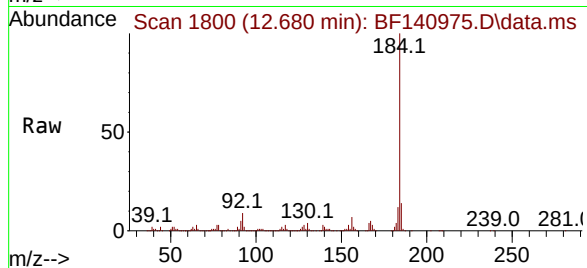
Tgt Ion:240 Resp: 594739
Ion Ratio Lower Upper
240 100
120 13.5 10.7 16.1
236 25.8 20.6 31.0





#77
Benzidine
Concen: 51.801 ng
RT: 12.680 min Scan# 1800
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

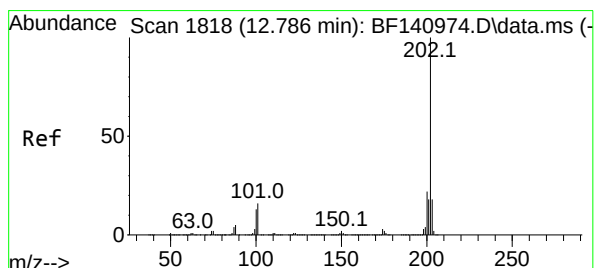
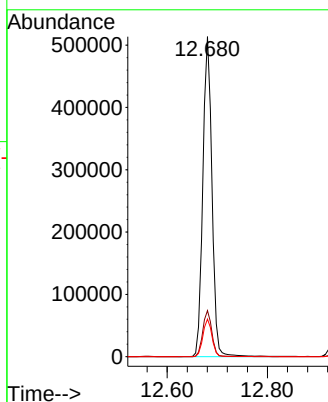
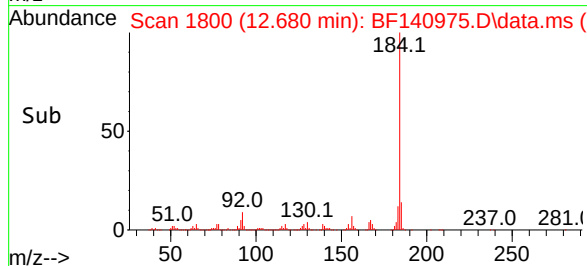
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:184 Resp: 65109
Ion Ratio Lower Upper
184 100
185 14.4 11.4 17.2
183 11.8 9.4 14.0

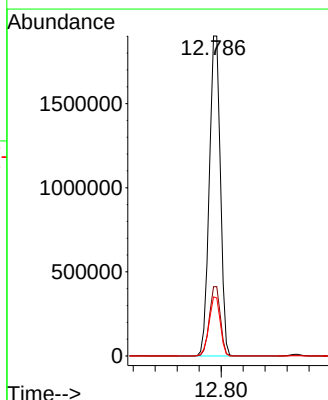
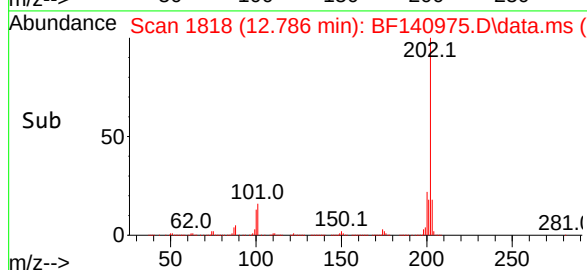
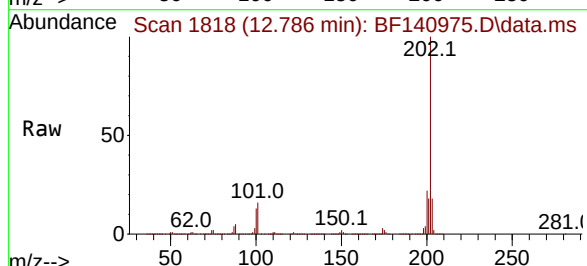
Manual Integrations
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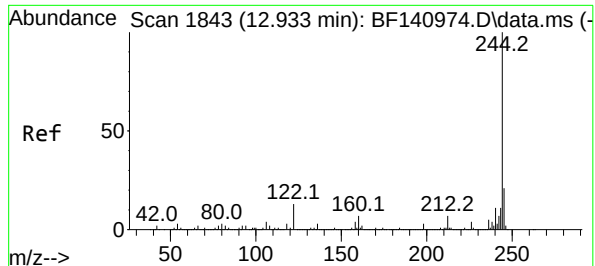
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#78
Pyrene
Concen: 50.973 ng
RT: 12.786 min Scan# 1818
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:202 Resp: 2651339
Ion Ratio Lower Upper
202 100
200 21.6 17.3 25.9
203 18.5 14.6 21.8





#79

Terphenyl-d14

Concen: 99.194 ng

RT: 12.939 min Scan# 1844

Delta R.T. 0.006 min

Lab File: BF140975.D

Acq: 26 Dec 2024 18:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:244 Resp: 3551774

Ion Ratio Lower Upper

244 100

212 7.1 5.7 8.5

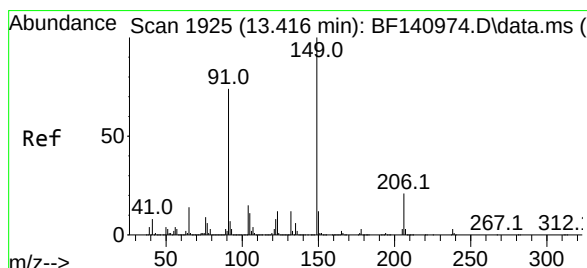
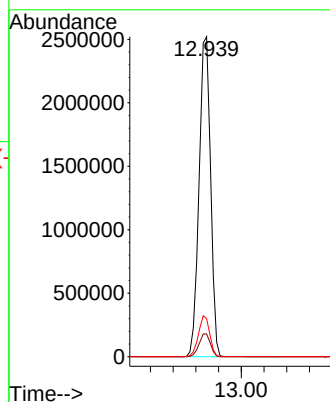
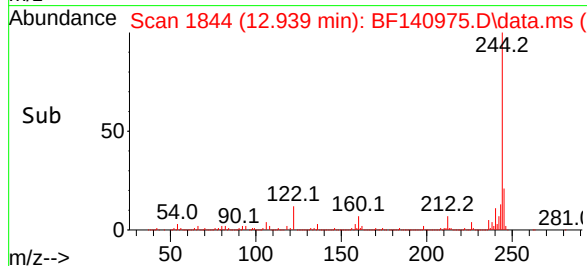
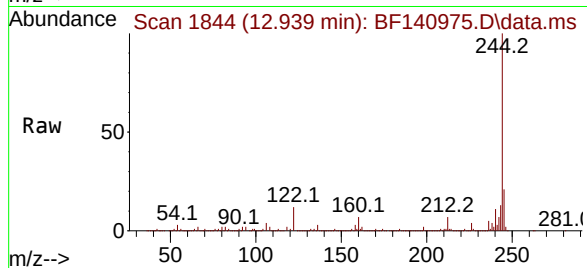
122 11.9 10.2 15.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#80

Butylbenzylphthalate

Concen: 53.519 ng

RT: 13.415 min Scan# 1925

Delta R.T. -0.000 min

Lab File: BF140975.D

Acq: 26 Dec 2024 18:33

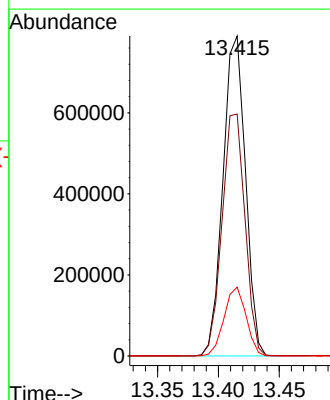
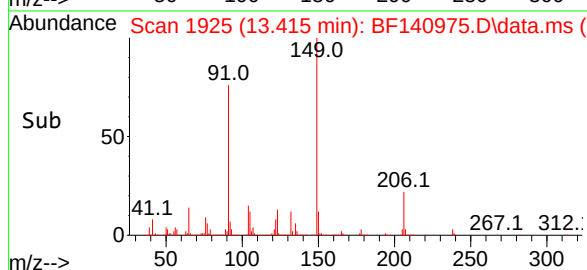
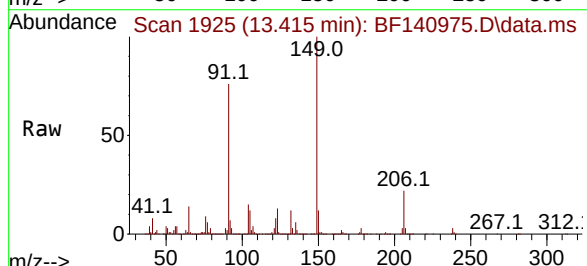
Tgt Ion:149 Resp: 1016502

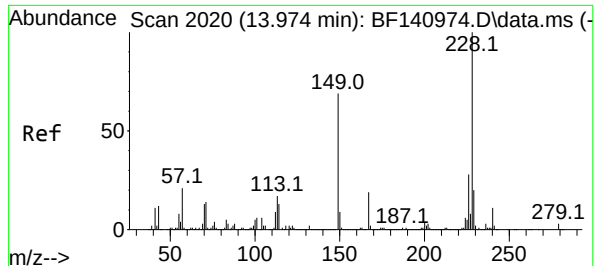
Ion Ratio Lower Upper

149 100

91 75.6 59.5 89.3

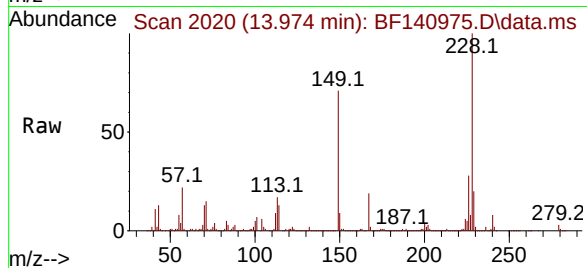
206 21.5 17.1 25.7





#81
Benzo(a)anthracene
Concen: 48.052 ng
RT: 13.974 min Scan# 2014
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

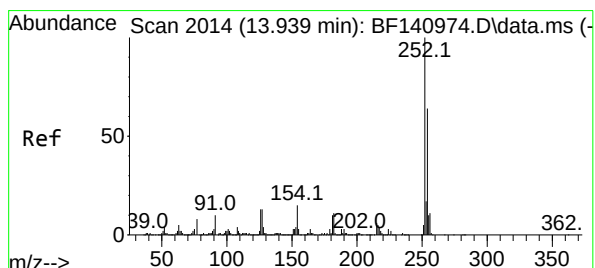
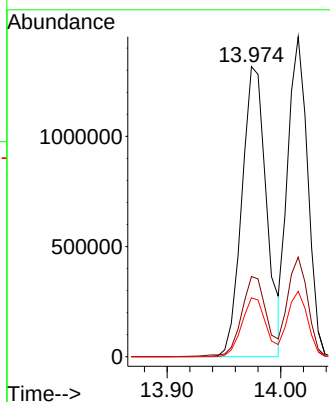
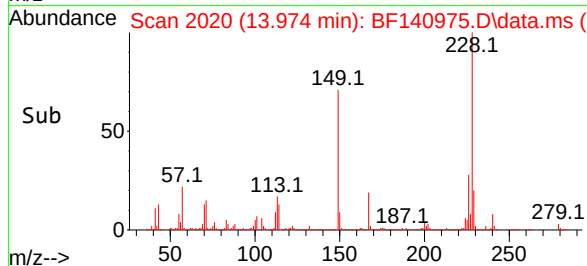
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:228 Resp: 1991732
Ion Ratio Lower Upper
228 100
226 27.7 22.1 33.1
229 20.3 16.2 24.2

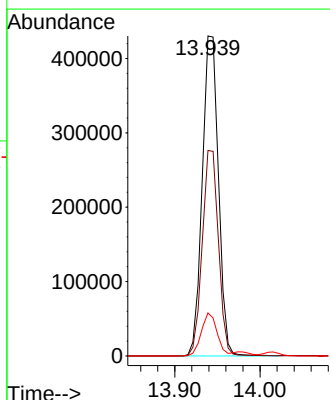
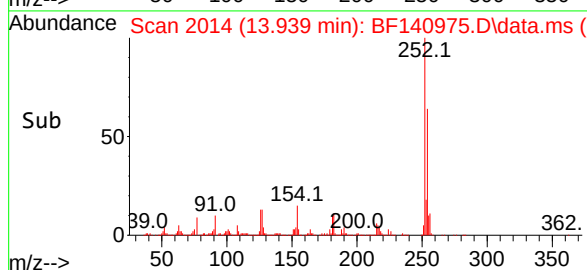
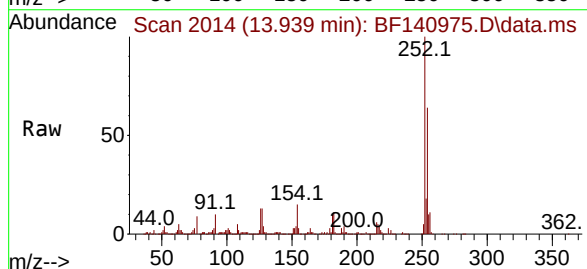
Manual Integrations
APPROVED

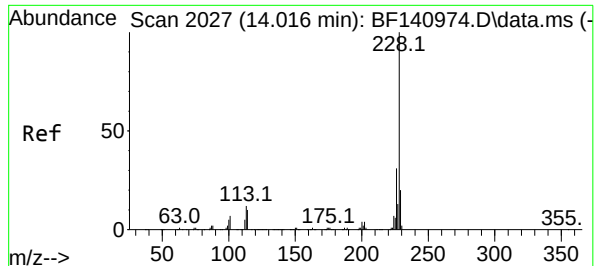
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#82
3,3'-Dichlorobenzidine
Concen: 45.655 ng
RT: 13.939 min Scan# 2014
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

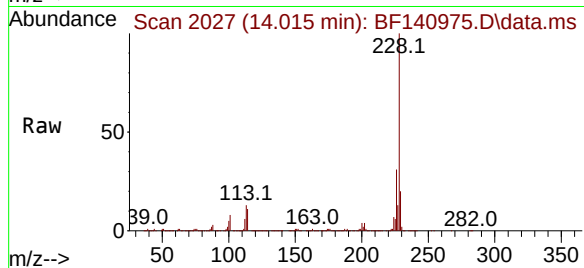
Tgt Ion:252 Resp: 568561
Ion Ratio Lower Upper
252 100
254 64.2 51.5 77.3
126 13.4 10.3 15.5





#83
Chrysene
Concen: 47.501 ng
RT: 14.015 min Scan# 2027
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

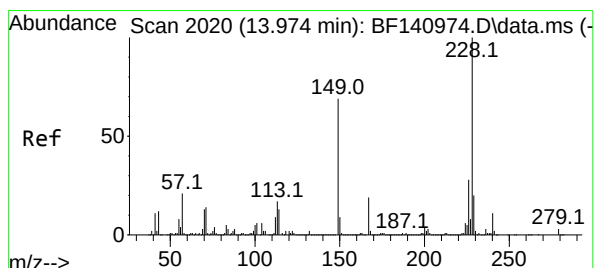
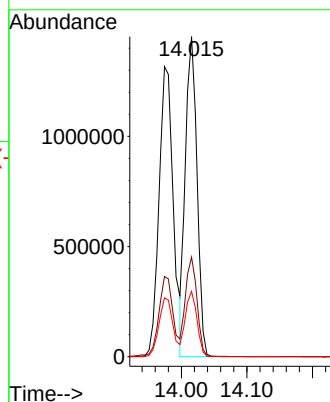
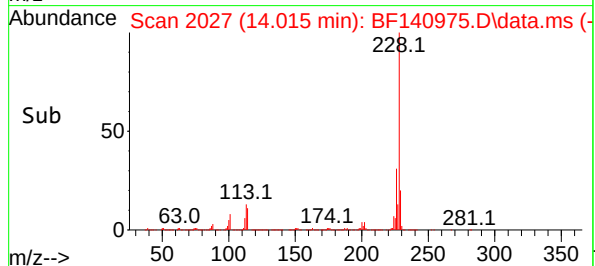
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:228 Resp: 177490
Ion Ratio Lower Upper
228 100
226 31.1 24.5 36.7
229 20.4 16.2 24.4

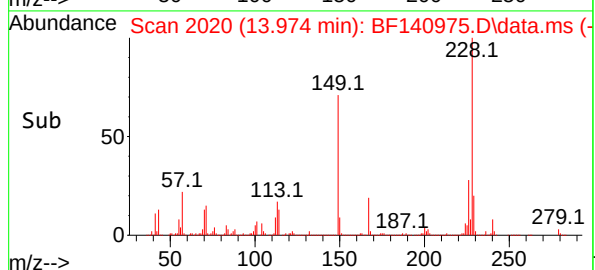
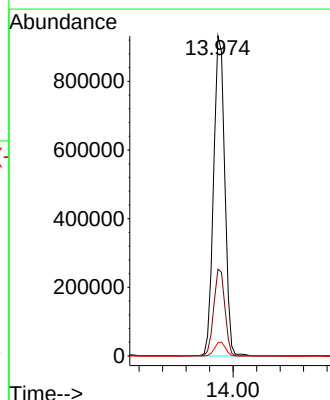
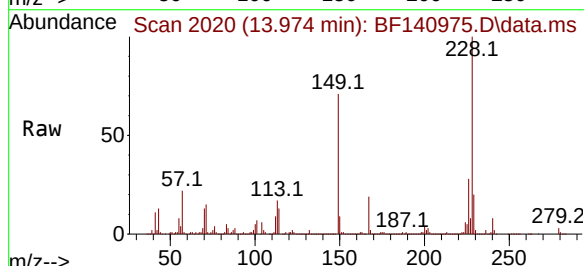
Manual Integrations
APPROVED

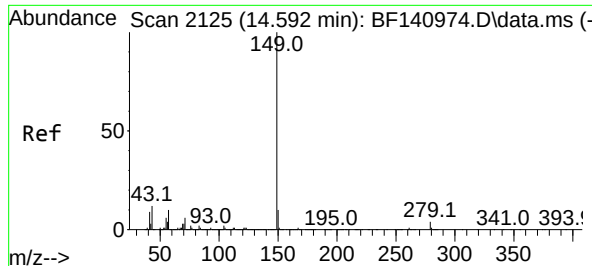
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#84
Bis(2-ethylhexyl)phthalate
Concen: 49.929 ng
RT: 13.974 min Scan# 2020
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

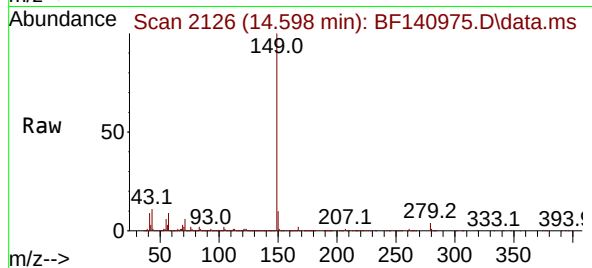
Tgt Ion:149 Resp: 1230112
Ion Ratio Lower Upper
149 100
167 27.1 21.6 32.4
279 4.1 3.2 4.8





#85
Di-n-octyl phthalate
Concen: 48.803 ng
RT: 14.598 min Scan# 2125
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

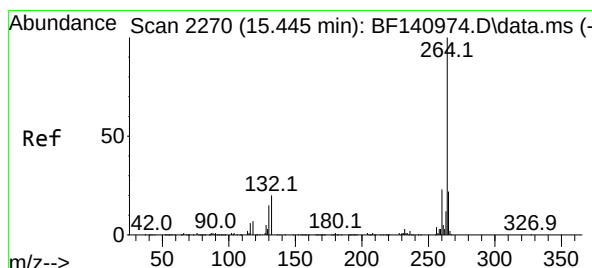
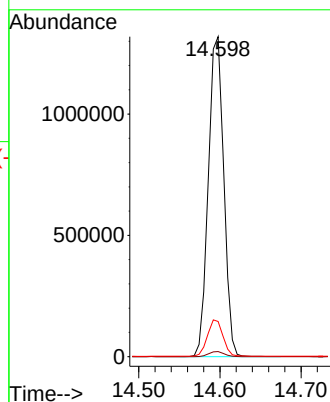
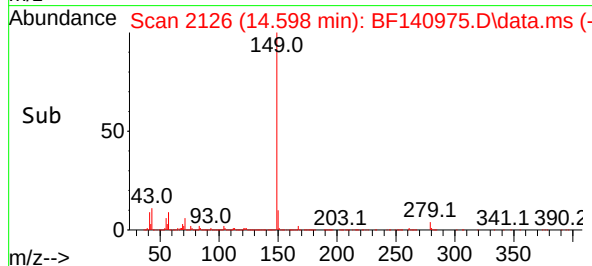
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:149 Resp: 1740215
Ion Ratio Lower Upper
149 100
167 1.7 1.2 1.8
43 11.4 9.3 13.9

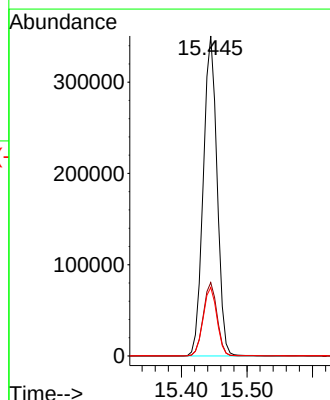
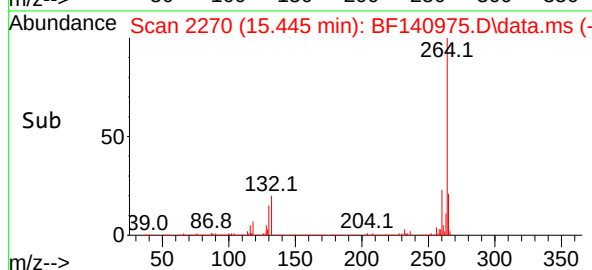
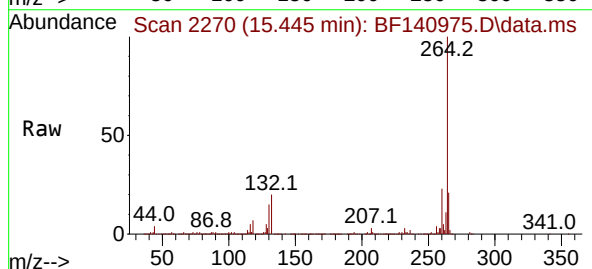
Manual Integrations
APPROVED

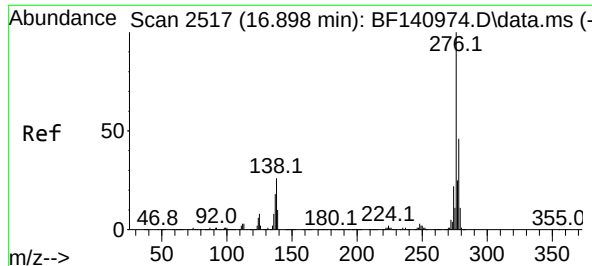
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 2270
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

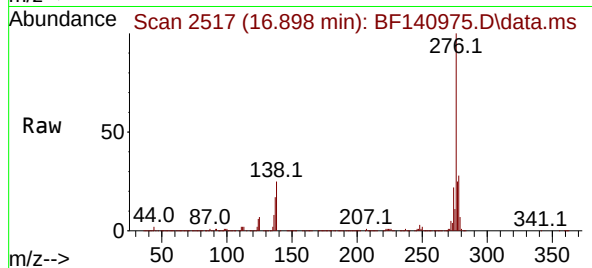
Tgt Ion:264 Resp: 515270
Ion Ratio Lower Upper
264 100
260 23.0 18.7 28.1
265 21.4 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 55.447 ng
RT: 16.898 min Scan# 2197
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

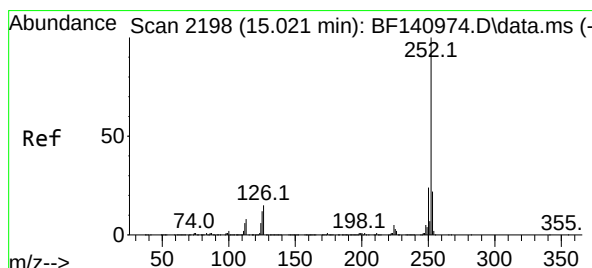
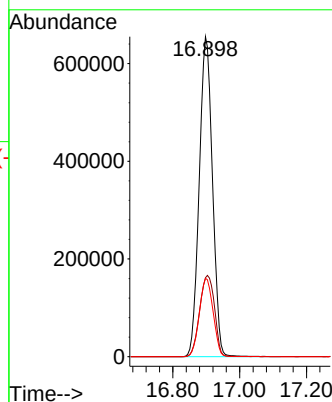
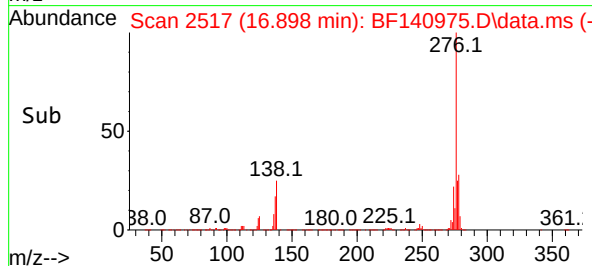
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:276 Resp: 1799974
Ion Ratio Lower Upper
276 100
138 28.6 23.1 34.7
277 25.5 20.4 30.6

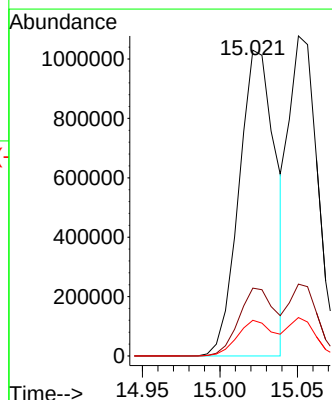
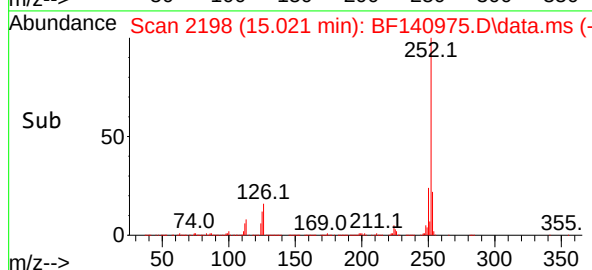
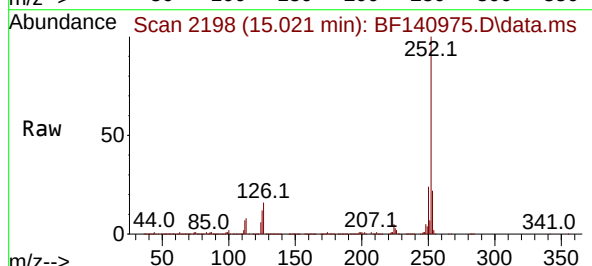
Manual Integrations
APPROVED

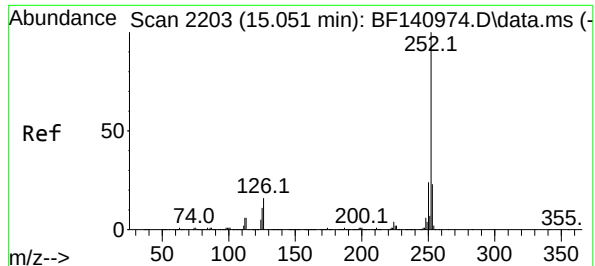
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#88
Benzo(b)fluoranthene
Concen: 46.828 ng
RT: 15.021 min Scan# 2198
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:252 Resp: 1682869
Ion Ratio Lower Upper
252 100
253 22.2 17.7 26.5
125 11.7 9.3 13.9





#89

Benzo(k)fluoranthene

Concen: 49.069 ng

RT: 15.051 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF140975.D

Acq: 26 Dec 2024 18:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:252 Resp: 1382080

Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.8

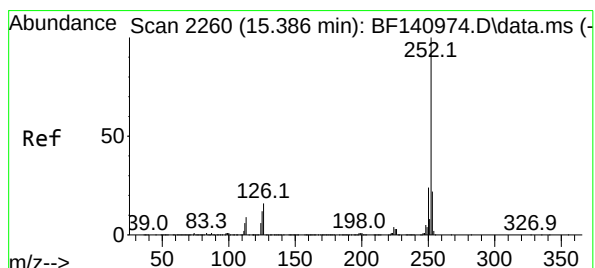
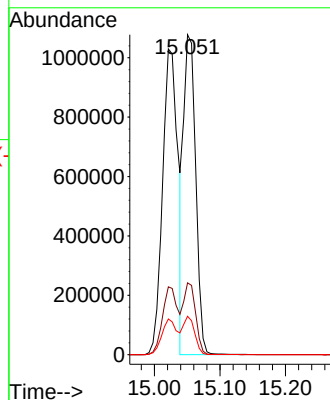
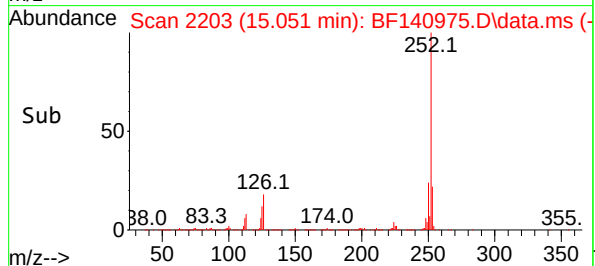
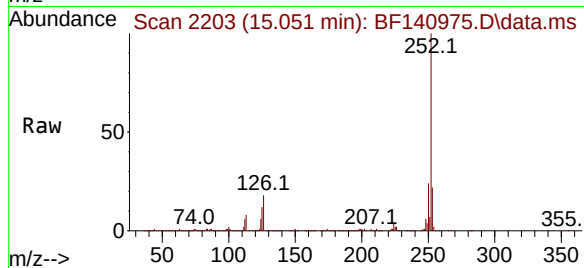
125 12.0 9.4 14.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#90

Benzo(a)pyrene

Concen: 48.370 ng

RT: 15.386 min Scan# 2260

Delta R.T. -0.000 min

Lab File: BF140975.D

Acq: 26 Dec 2024 18:33

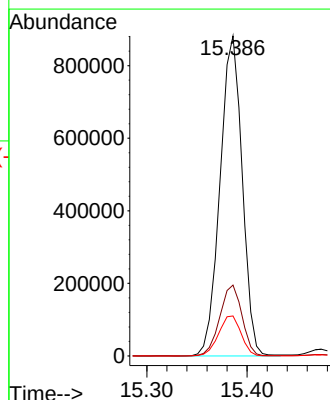
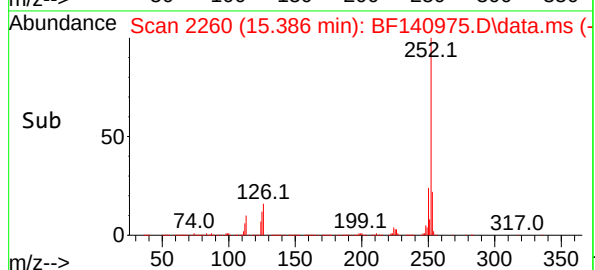
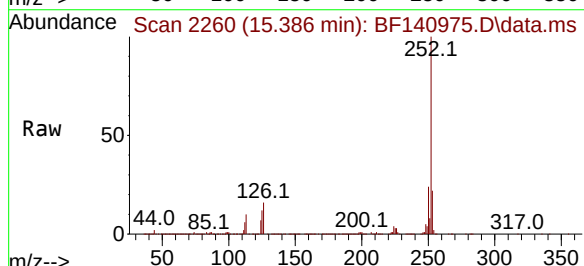
Tgt Ion:252 Resp: 1349208

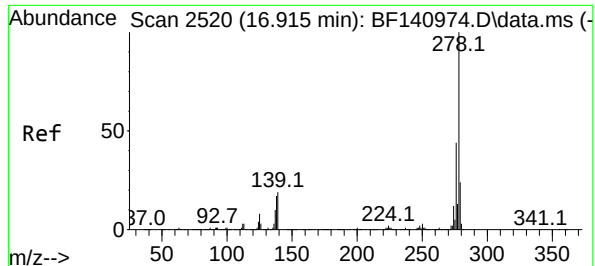
Ion Ratio Lower Upper

252 100

253 22.1 17.2 25.8

125 12.5 9.8 14.8





#91

Dibenzo(a,h)anthracene

Concen: 55.158 ng

RT: 16.921 min Scan# 2520

Delta R.T. 0.006 min

Lab File: BF140975.D

Acq: 26 Dec 2024 18:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:278 Resp: 145147

Ion Ratio Lower Upper

278 100

139 18.5 14.9 22.3

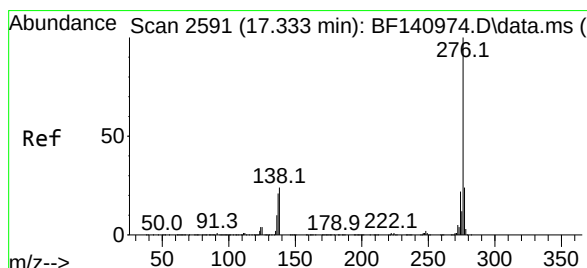
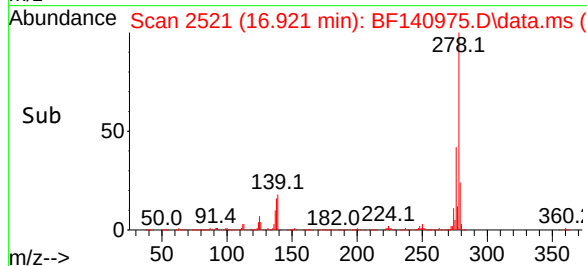
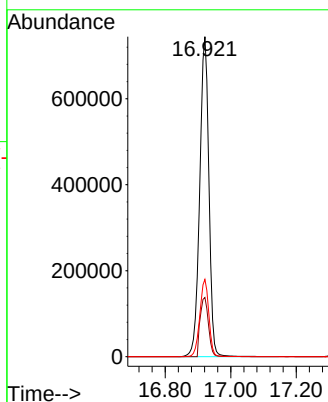
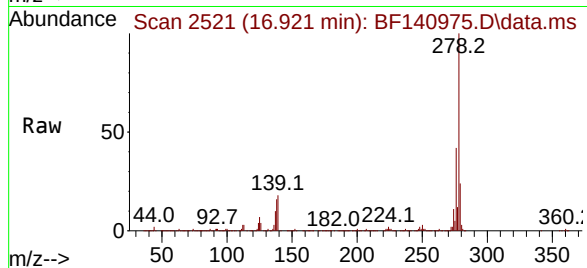
279 24.1 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#92

Benzo(g,h,i)perylene

Concen: 56.337 ng

RT: 17.339 min Scan# 2592

Delta R.T. 0.006 min

Lab File: BF140975.D

Acq: 26 Dec 2024 18:33

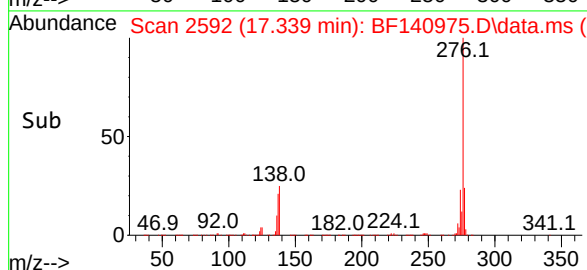
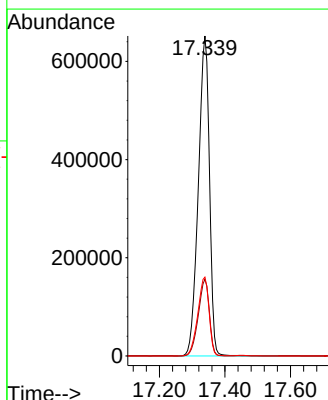
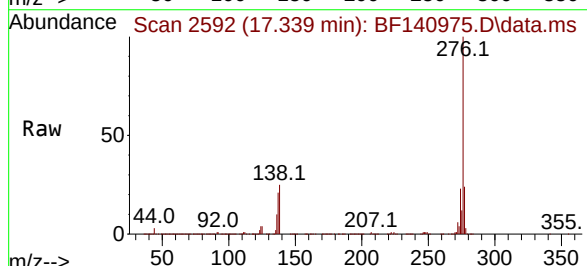
Tgt Ion:276 Resp: 1537634

Ion Ratio Lower Upper

276 100

277 24.0 19.0 28.4

138 24.6 19.4 29.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
 Data File : BF140976.D
 Acq On : 26 Dec 2024 18:59
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/27/2024
 Supervised By :mohammad ahmed 12/27/2024

Quant Time: Dec 27 00:25:23 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 27 00:11:18 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	268664	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	1029031	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	545680	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	952375	20.000	ng	0.00
76) Chrysene-d12	13.986	240	546797	20.000	ng	0.00
86) Perylene-d12	15.445	264	494154	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1988304	111.557	ng	0.00
7) Phenol-d6	6.457	99	2600411	113.257	ng	0.00
23) Nitrobenzene-d5	7.398	82	2156825	134.096	ng	0.00
42) 2,4,6-Tribromophenol	10.651	330	652968	123.146	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	3609485	105.387	ng	0.00
79) Terphenyl-d14	12.939	244	4068426	123.586	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.557	88	473973	58.739	ng	99
3) Pyridine	3.304	79	1105688	56.070	ng	99
4) n-Nitrosodimethylamine	3.263	42	598427	59.893	ng	100
6) Aniline	6.528	93	1052307m	51.389	ng	
8) 2-Chlorophenol	6.616	128	1063361	56.588	ng	99
9) Benzaldehyde	6.381	77	619087	59.109	ng	99
10) Phenol	6.469	94	1365070	57.498	ng	97
11) bis(2-Chloroethyl)ether	6.569	93	1112573	58.092	ng	96
12) 1,3-Dichlorobenzene	6.769	146	1157733	55.826	ng	98
13) 1,4-Dichlorobenzene	6.851	146	1160534	55.512	ng	99
14) 1,2-Dichlorobenzene	7.004	146	1070694	54.930	ng	99
15) Benzyl Alcohol	6.969	79	944223	57.228	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.110	45	1624495	56.036	ng	100
17) 2-Methylphenol	7.075	107	893930	57.262	ng	98
18) Hexachloroethane	7.345	117	432447	58.230	ng	98
19) n-Nitroso-di-n-propyla...	7.251	70	792252	56.323	ng	99
20) 3+4-Methylphenols	7.234	107	1091707	55.260	ng	94
22) Acetophenone	7.245	105	1400933	55.496	ng	99
24) Nitrobenzene	7.416	77	1168779	65.032	ng	98
25) Isophorone	7.657	82	2034290	58.123	ng	100
26) 2-Nitrophenol	7.728	139	467251	61.735	ng	98
27) 2,4-Dimethylphenol	7.763	122	754114	58.955	ng	100
28) bis(2-Chloroethoxy)met...	7.863	93	1248974	56.322	ng	99
29) 2,4-Dichlorophenol	7.963	162	866778	59.747	ng	99
30) 1,2,4-Trichlorobenzene	8.051	180	943563	57.464	ng	99
31) Naphthalene	8.134	128	2998347	55.296	ng	99
32) Benzoic acid	7.886	122	681257	62.038	ng	98
33) 4-Chloroaniline	8.186	127	1133393	57.778	ng	99
34) Hexachlorobutadiene	8.251	225	561087	57.963	ng	100
35) Caprolactam	8.557	113	294367	59.682	ng	99
36) 4-Chloro-3-methylphenol	8.657	107	953935	59.209	ng	100
37) 2-Methylnaphthalene	8.822	142	1924796	55.487	ng	100
38) 1-Methylnaphthalene	8.922	142	1898518	55.689	ng	100
40) 1,2,4,5-Tetrachloroben...	8.986	216	860616	57.327	ng	100
41) Hexachlorocyclopentadiene	8.975	237	311667	62.648	ng	99
43) 2,4,6-Trichlorophenol	9.098	196	623356	62.389	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
 Data File : BF140976.D
 Acq On : 26 Dec 2024 18:59
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/27/2024
 Supervised By :mohammad ahmed 12/27/2024

Quant Time: Dec 27 00:25:23 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 27 00:11:18 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.133	196	597336	58.429	ng	99
46) 1,1'-Biphenyl	9.286	154	2302280	55.102	ng	99
47) 2-Chloronaphthalene	9.310	162	1807450	55.777	ng	99
48) 2-Nitroaniline	9.404	65	538159	61.984	ng	97
49) Acenaphthylene	9.728	152	2603514	55.811	ng	99
50) Dimethylphthalate	9.592	163	2047854	57.054	ng	100
51) 2,6-Dinitrotoluene	9.651	165	455999	61.208	ng	99
52) Acenaphthene	9.898	154	1786036	56.633	ng	100
53) 3-Nitroaniline	9.816	138	498260	61.600	ng	98
54) 2,4-Dinitrophenol	9.916	184	160979	62.314	ng #	13
55) Dibenzofuran	10.069	168	2477328	55.896	ng	99
56) 4-Nitrophenol	9.963	139	414262	67.472	ng	100
57) 2,4-Dinitrotoluene	10.051	165	568343	62.002	ng	99
58) Fluorene	10.416	166	1857483	54.047	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.186	232	518034	61.184	ng	99
60) Diethylphthalate	10.292	149	2016065	56.895	ng	99
61) 4-Chlorophenyl-phenyle...	10.404	204	911842	55.139	ng	99
62) 4-Nitroaniline	10.433	138	492850	60.999	ng	98
63) Azobenzene	10.569	77	2116887	56.916	ng	99
65) 4,6-Dinitro-2-methylph...	10.457	198	244187	61.133	ng	99
66) n-Nitrosodiphenylamine	10.528	169	1699227	56.660	ng	99
67) 4-Bromophenyl-phenylether	10.898	248	568559	55.225	ng	97
68) Hexachlorobenzene	10.957	284	655571	57.748	ng	98
69) Atrazine	11.051	200	399874	47.727	ng	99
70) Pentachlorophenol	11.145	266	459586	65.024	ng	100
71) Phenanthrene	11.374	178	2736242	54.589	ng	99
72) Anthracene	11.427	178	2700285	54.978	ng	99
73) Carbazole	11.580	167	2591020	54.876	ng	99
74) Di-n-butylphthalate	11.916	149	2982533	55.537	ng	100
75) Fluoranthene	12.563	202	2957043	54.394	ng	99
77) Benzidine	12.680	184	840598	72.741	ng	99
78) Pyrene	12.792	202	3019750	63.146	ng	99
80) Butylbenzylphthalate	13.416	149	1164076	66.663	ng	99
81) Benzo(a)anthracene	13.974	228	2189499	57.454	ng	100
82) 3,3'-Dichlorobenzidine	13.945	252	633054	55.291	ng	99
83) Chrysene	14.015	228	1979370	57.618	ng	99
84) Bis(2-ethylhexyl)phtha...	13.974	149	1372706	60.602	ng	100
85) Di-n-octyl phthalate	14.592	149	1956498	59.679	ng	99
87) Indeno(1,2,3-cd)pyrene	16.898	276	2132438	68.495	ng	100
88) Benzo(b)fluoranthene	15.021	252	2019420	58.595	ng	100
89) Benzo(k)fluoranthene	15.051	252	1506683	55.778	ng	100
90) Benzo(a)pyrene	15.380	252	1578812	59.020	ng	98
91) Dibenzo(a,h)anthracene	16.921	278	1726815	68.425	ng	99
92) Benzo(g,h,i)perylene	17.339	276	1843269	70.421	ng	100

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

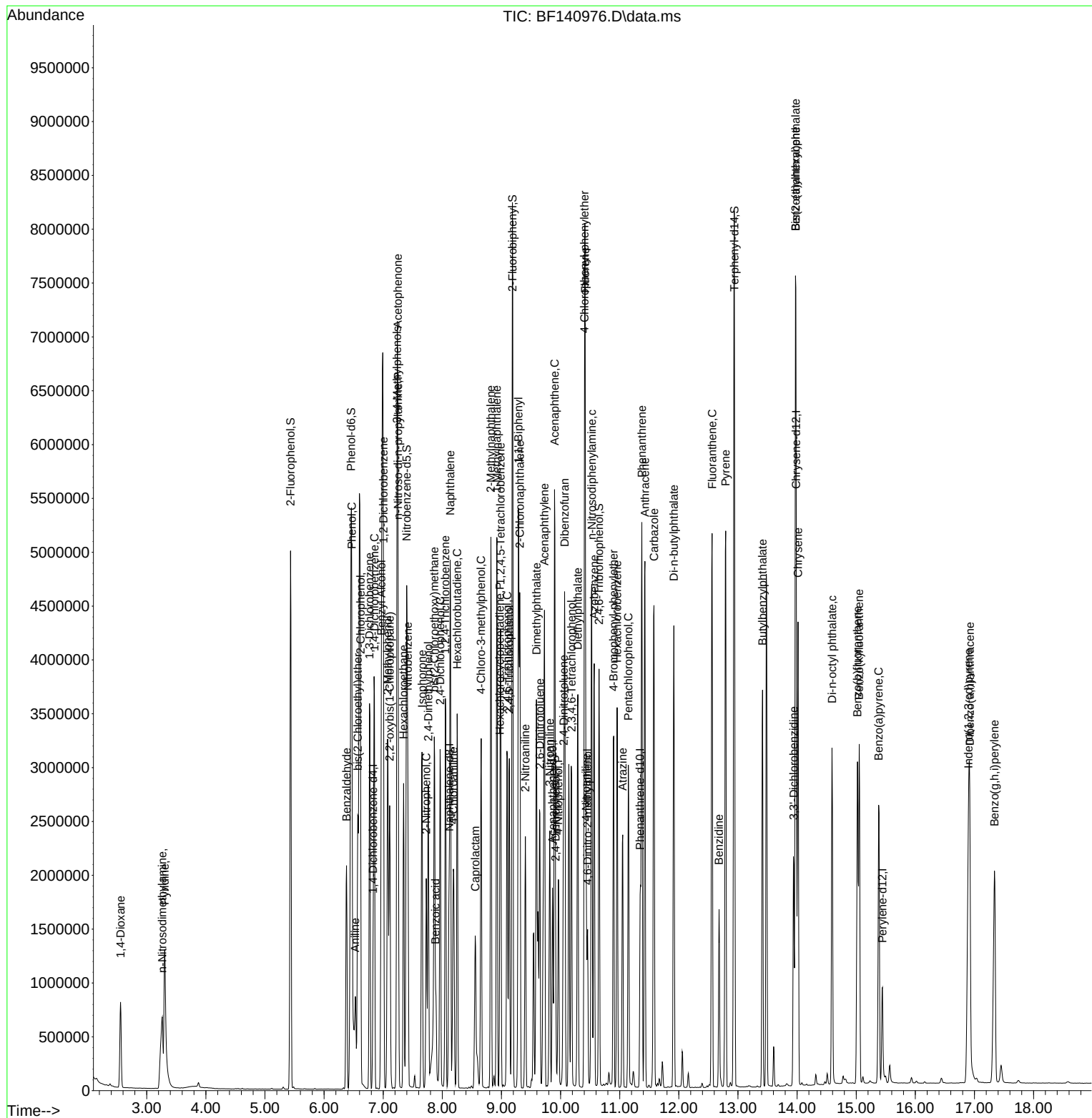
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140976.D
Acq On : 26 Dec 2024 18:59
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

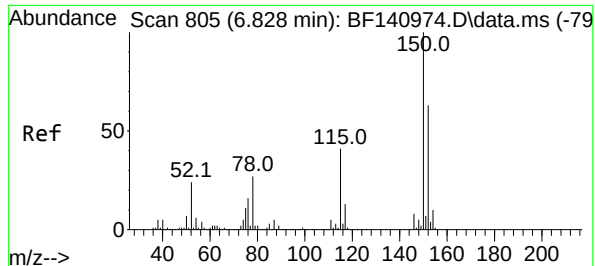
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

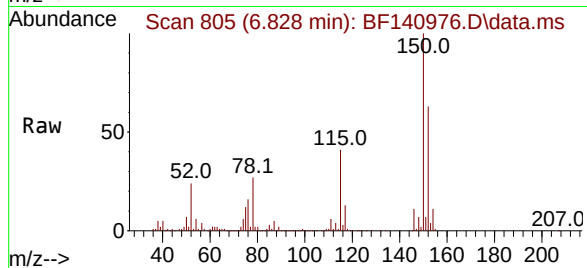
Quant Time: Dec 27 00:25:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:11:18 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 80
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

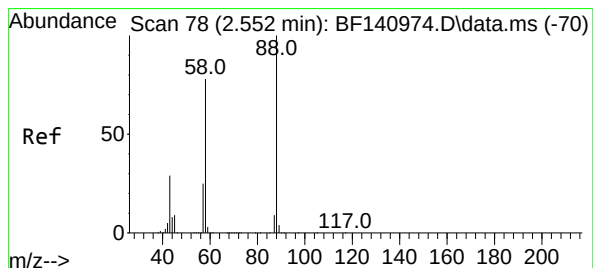
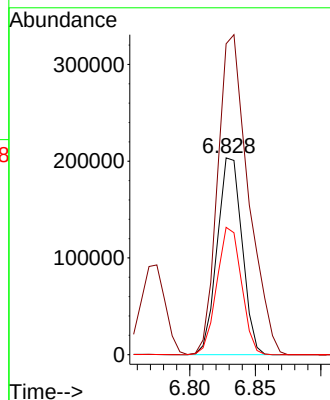
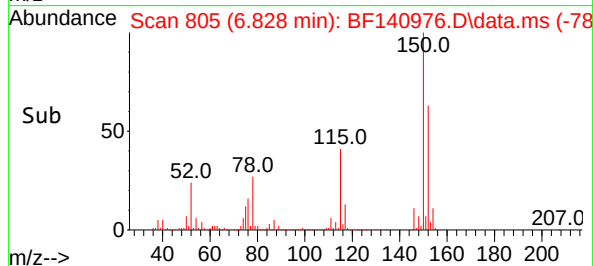
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:152 Resp: 268664
Ion Ratio Lower Upper
152 100
150 157.9 127.0 190.6
115 64.7 51.7 77.5

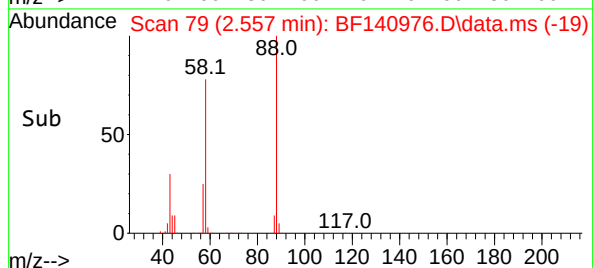
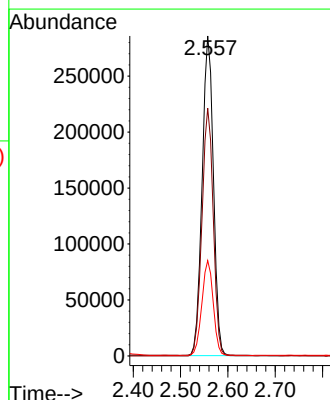
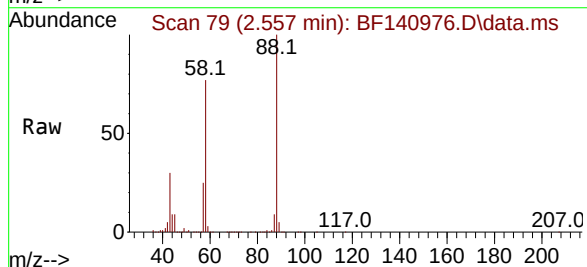
Manual Integrations
APPROVED

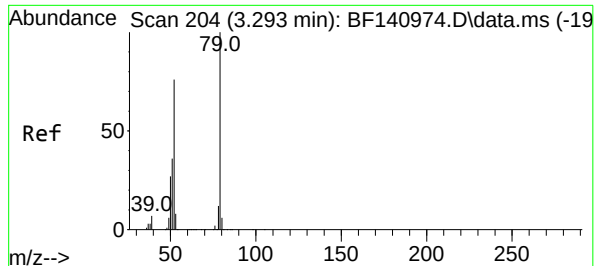
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#2
1,4-Dioxane
Concen: 58.739 ng
RT: 2.557 min Scan# 79
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

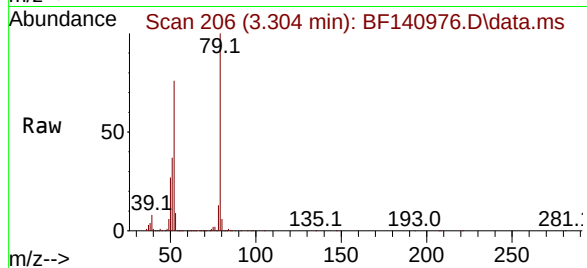
Tgt Ion: 88 Resp: 473973
Ion Ratio Lower Upper
88 100
58 77.7 63.0 94.4
43 29.8 23.4 35.2





#3
Pyridine
Concen: 56.070 ng
RT: 3.304 min Scan# 204
Delta R.T. 0.012 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

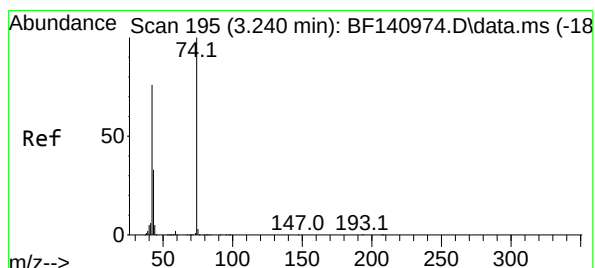
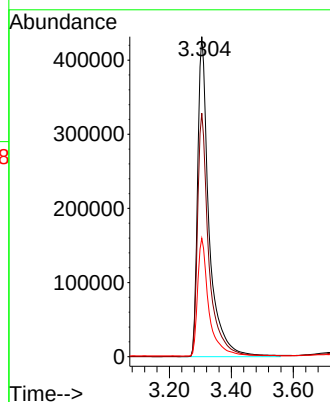
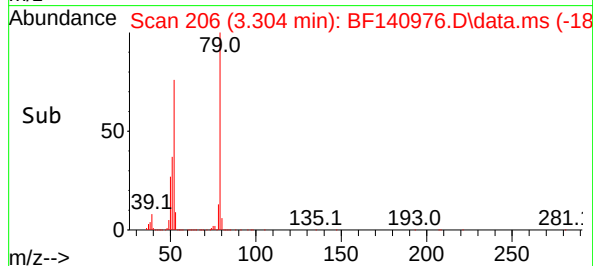
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion: 79 Resp: 110568
Ion Ratio Lower Upper
79 100
52 76.1 60.4 90.6
51 37.0 28.8 43.2

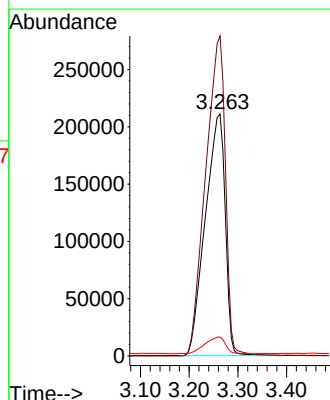
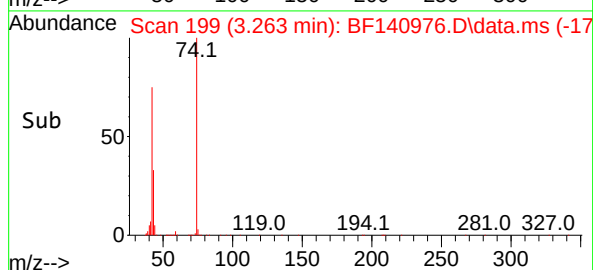
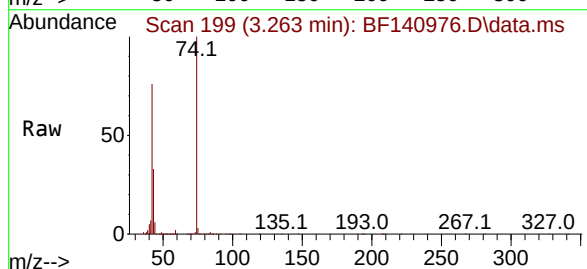
Manual Integrations
APPROVED

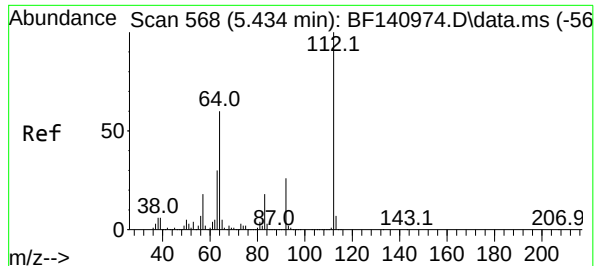
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#4
n-Nitrosodimethylamine
Concen: 59.893 ng
RT: 3.263 min Scan# 199
Delta R.T. 0.023 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

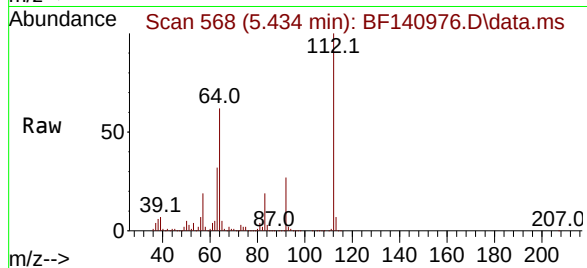
Tgt Ion: 42 Resp: 598427
Ion Ratio Lower Upper
42 100
74 132.3 105.8 158.6
44 7.9 6.6 10.0





#5
2-Fluorophenol
Concen: 111.557 ng
RT: 5.434 min Scan# 504
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

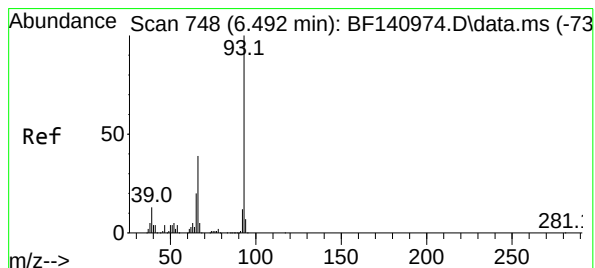
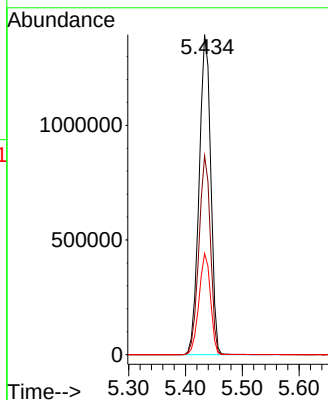
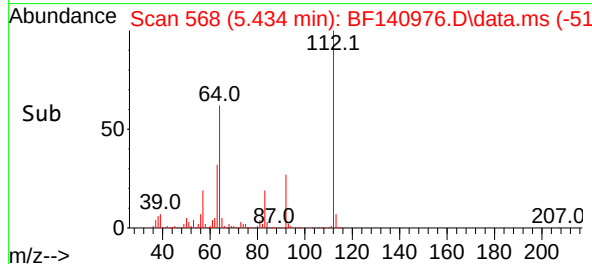
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:112 Resp: 1988304
Ion Ratio Lower Upper
112 100
64 62.1 47.7 71.5
63 31.6 24.2 36.2

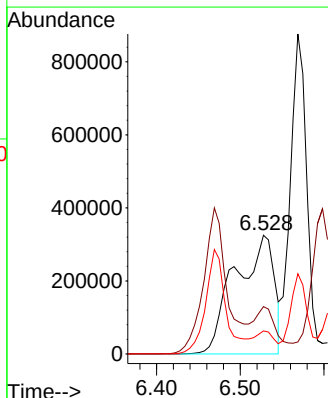
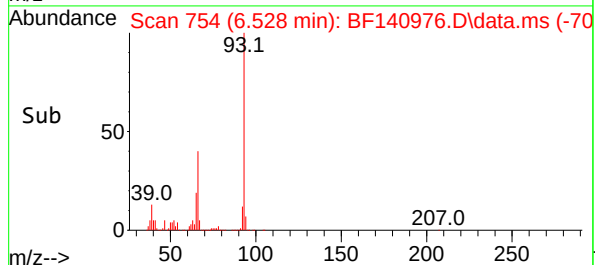
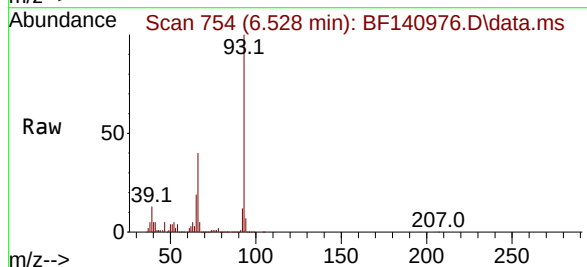
Manual Integrations
APPROVED

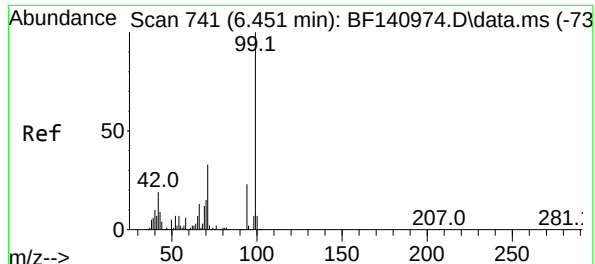
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#6
Aniline
Concen: 51.389 ng m
RT: 6.528 min Scan# 754
Delta R.T. 0.018 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

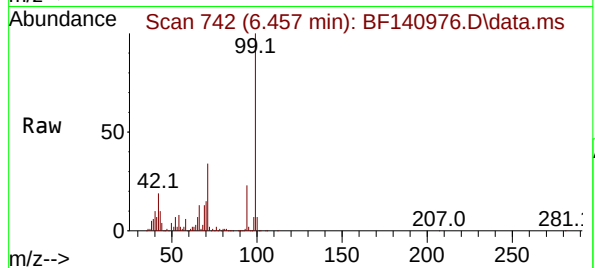
Tgt Ion: 93 Resp: 1052307
Ion Ratio Lower Upper
93 100
66 39.9 31.8 47.8
65 19.5 15.4 23.0





#7
Phenol-d6
Concen: 113.257 ng
RT: 6.457 min Scan# 741
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

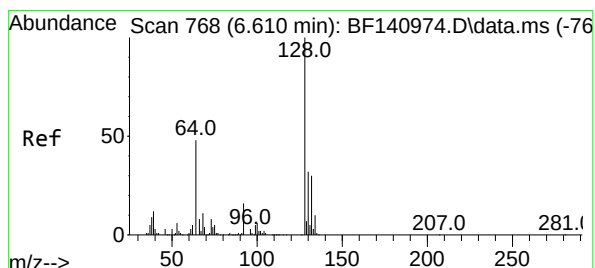
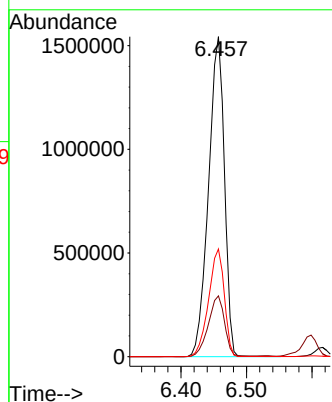
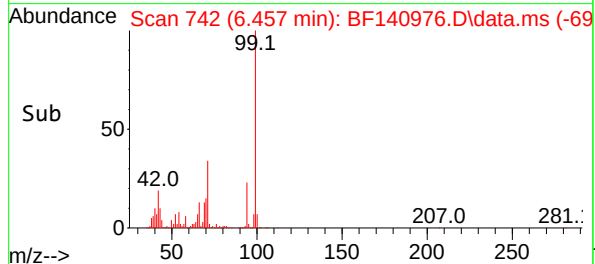
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion: 99 Resp: 260041
Ion Ratio Lower Upper
99 100
42 19.0 15.0 22.4
71 33.7 26.2 39.2

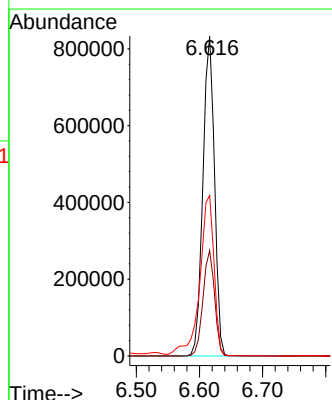
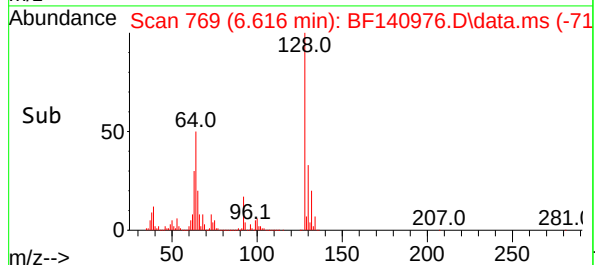
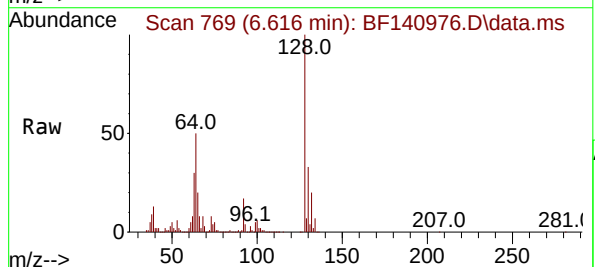
Manual Integrations
APPROVED

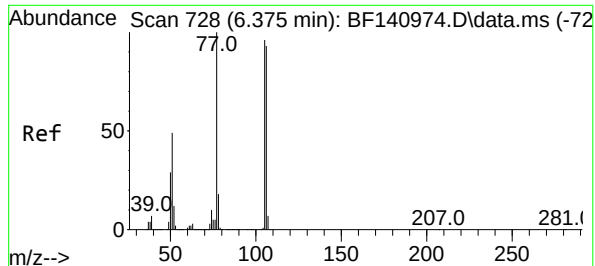
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#8
2-Chlorophenol
Concen: 56.588 ng
RT: 6.616 min Scan# 769
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:128 Resp: 1063361
Ion Ratio Lower Upper
128 100
130 32.9 12.2 52.2
64 50.2 30.3 70.3





#9

Benzaldehyde

Concen: 59.109 ng

RT: 6.381 min Scan# 71

Delta R.T. 0.006 min

Lab File: BF140976.D

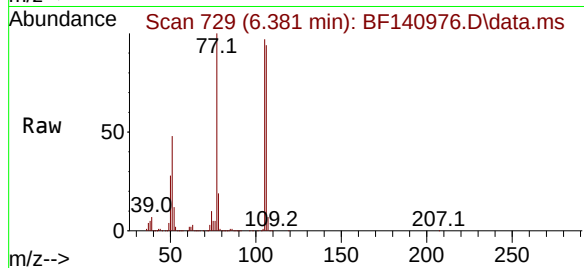
Acq: 26 Dec 2024 18:59

Instrument :

BNA_F

ClientSampleId :

SSTDICC060



Tgt Ion: 77 Resp: 61908

Ion Ratio Lower Upper

77 100

105 97.3 76.2 116.2

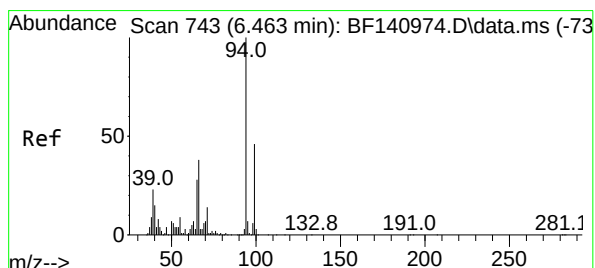
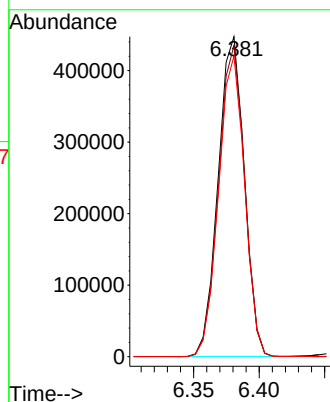
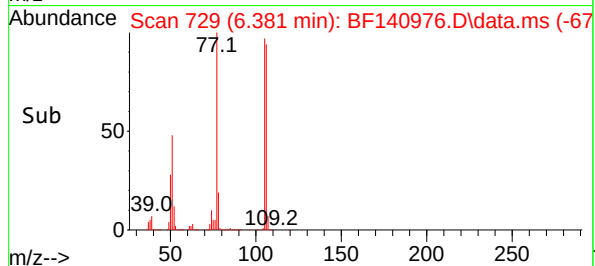
106 94.0 73.4 113.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#10

Phenol

Concen: 57.498 ng

RT: 6.469 min Scan# 744

Delta R.T. 0.006 min

Lab File: BF140976.D

Acq: 26 Dec 2024 18:59

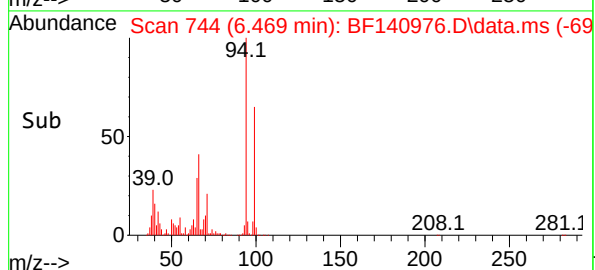
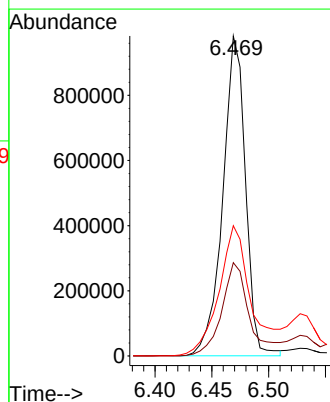
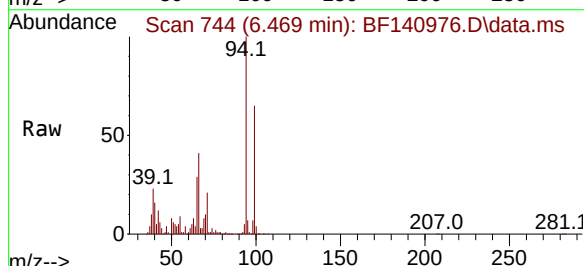
Tgt Ion: 94 Resp: 1365070

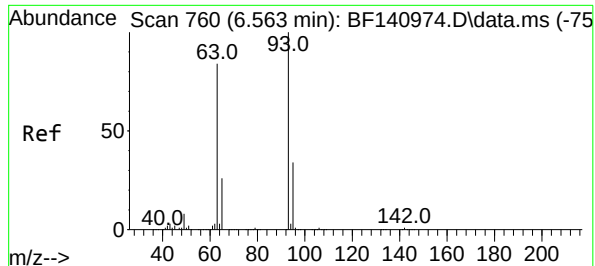
Ion Ratio Lower Upper

94 100

65 29.1 8.1 48.1

66 40.7 18.7 58.7





#11

bis(2-Chloroethyl)ether

Concen: 58.092 ng

RT: 6.569 min Scan# 760

Delta R.T. 0.006 min

Lab File: BF140976.D

Acq: 26 Dec 2024 18:59

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion: 93 Resp: 111257

Ion Ratio Lower Upper

93 100

63 76.1 60.3 100.3

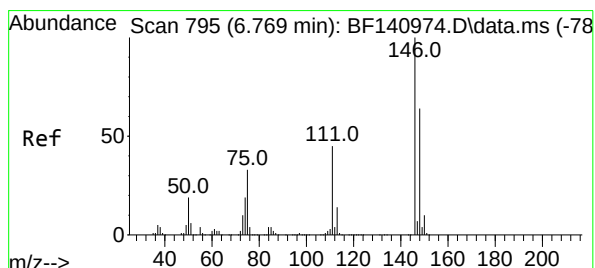
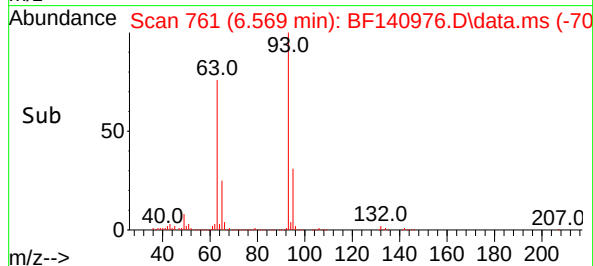
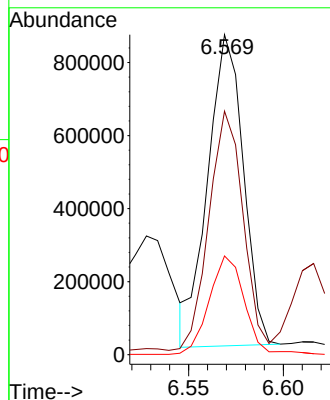
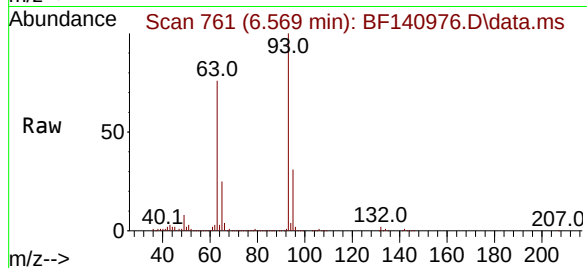
95 30.9 12.2 52.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#12

1,3-Dichlorobenzene

Concen: 55.826 ng

RT: 6.769 min Scan# 795

Delta R.T. -0.000 min

Lab File: BF140976.D

Acq: 26 Dec 2024 18:59

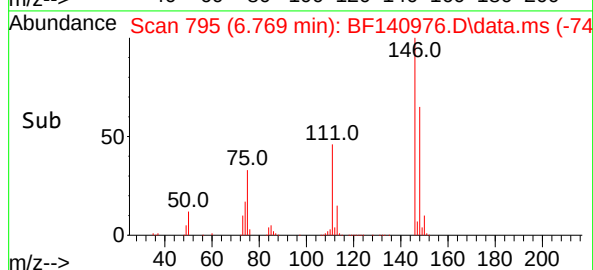
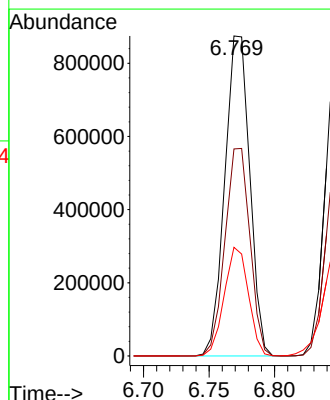
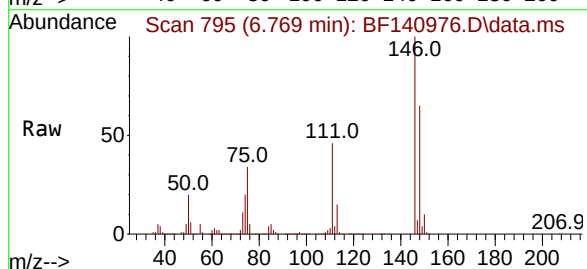
Tgt Ion:146 Resp: 1157733

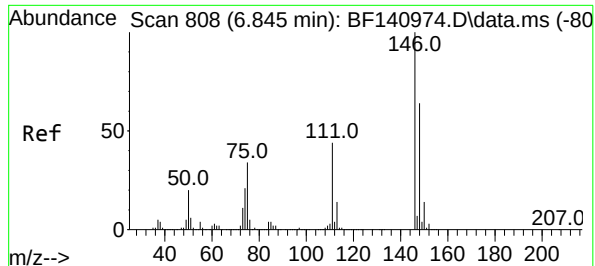
Ion Ratio Lower Upper

146 100

148 64.7 51.0 76.4

75 33.9 26.1 39.1





#13

1,4-Dichlorobenzene

Concen: 55.512 ng

RT: 6.851 min Scan# 80

Delta R.T. 0.006 min

Lab File: BF140976.D

Acq: 26 Dec 2024 18:59

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:146 Resp: 1160534

Ion Ratio Lower Upper

146 100

148 64.8 51.3 76.9

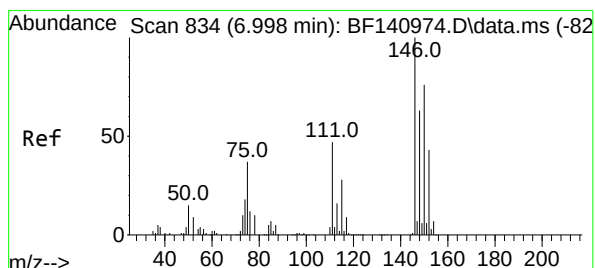
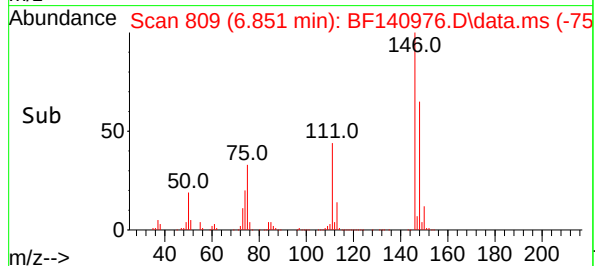
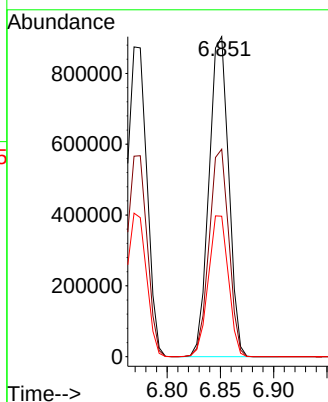
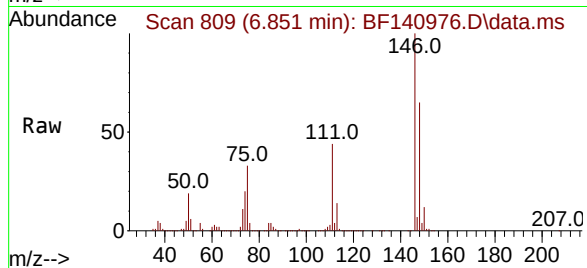
111 43.9 35.3 52.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#14

1,2-Dichlorobenzene

Concen: 54.930 ng

RT: 7.004 min Scan# 835

Delta R.T. 0.006 min

Lab File: BF140976.D

Acq: 26 Dec 2024 18:59

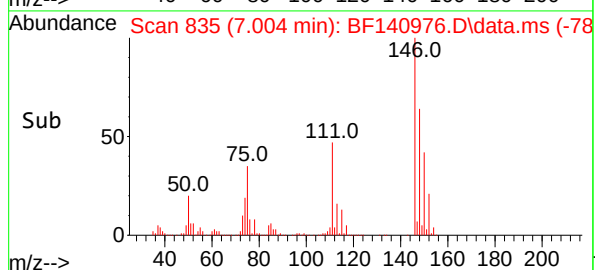
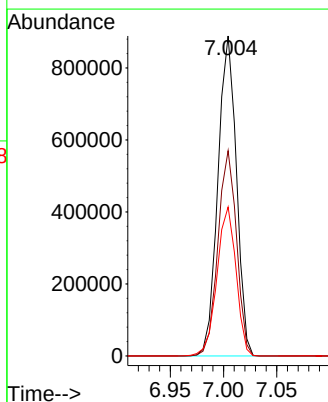
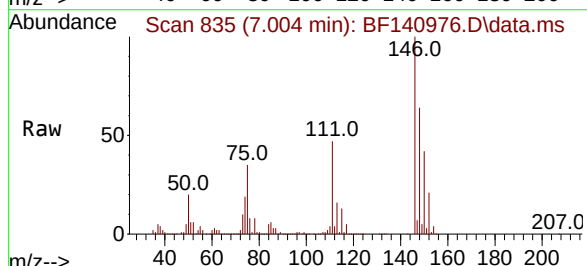
Tgt Ion:146 Resp: 1070694

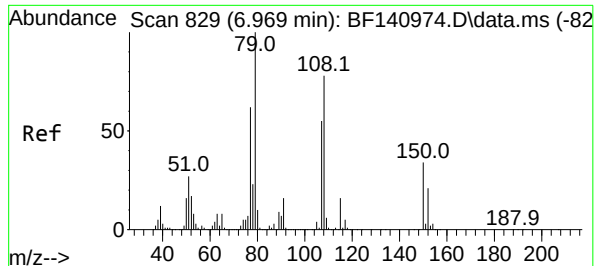
Ion Ratio Lower Upper

146 100

148 64.2 50.6 76.0

111 46.6 37.3 55.9





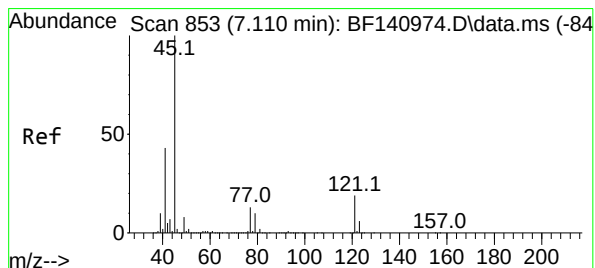
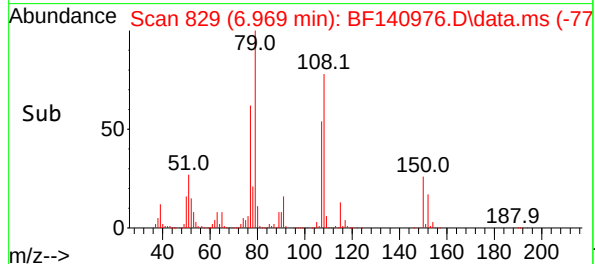
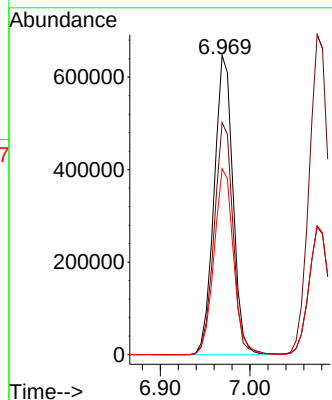
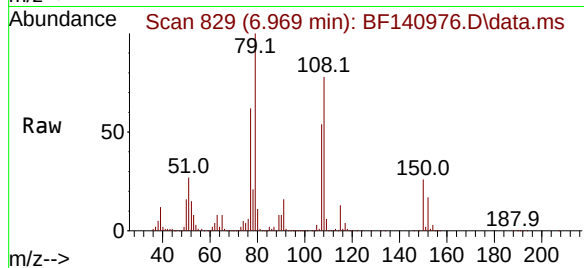
#15
Benzyl Alcohol
Concen: 57.228 ng
RT: 6.969 min Scan# 829
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 944223
Ion Ratio Lower Upper
79 100
108 77.5 62.5 93.7
77 62.2 49.3 73.9

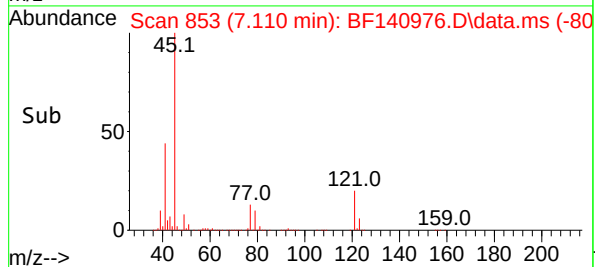
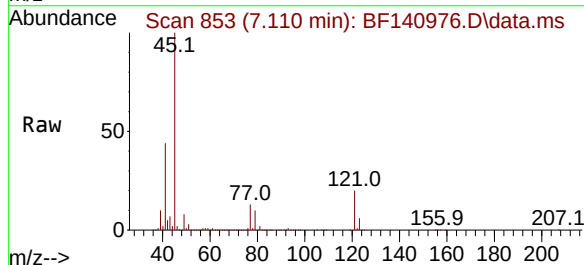
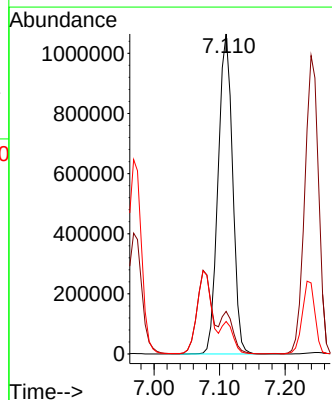
Manual Integrations
APPROVED

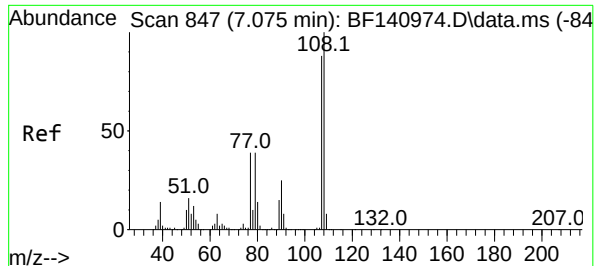
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#16
2,2'-oxybis(1-Chloropropane)
Concen: 56.036 ng
RT: 7.110 min Scan# 853
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

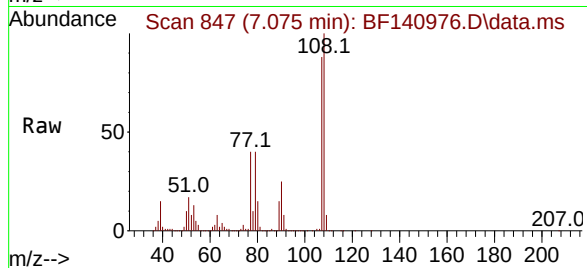
Tgt Ion: 45 Resp: 1624495
Ion Ratio Lower Upper
45 100
77 13.3 0.0 33.1
79 10.2 0.0 30.1





#17
2-Methylphenol
Concen: 57.262 ng
RT: 7.075 min Scan# 847
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

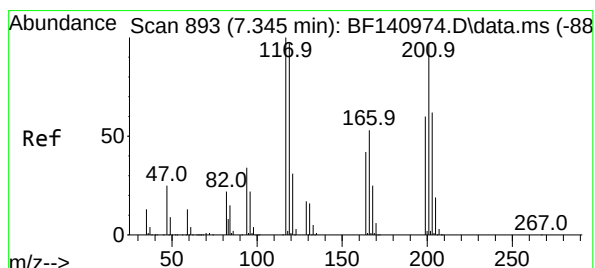
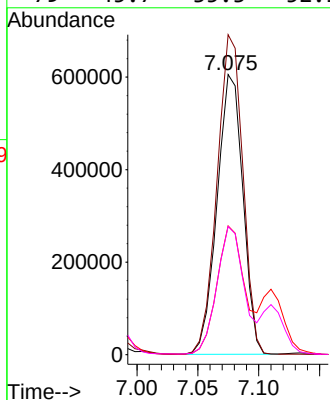
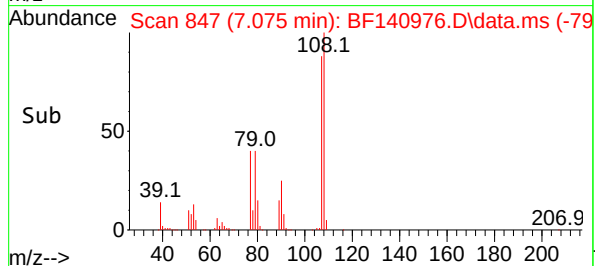
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:107 Resp: 893930
Ion Ratio Lower Upper
107 100
108 114.2 90.6 136.0
77 46.0 35.3 52.9
79 45.7 35.3 52.9

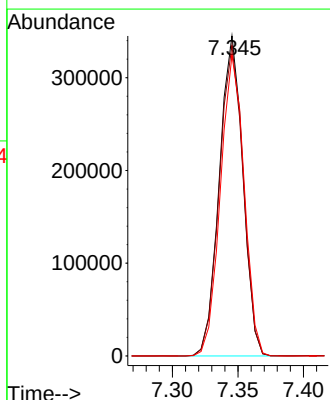
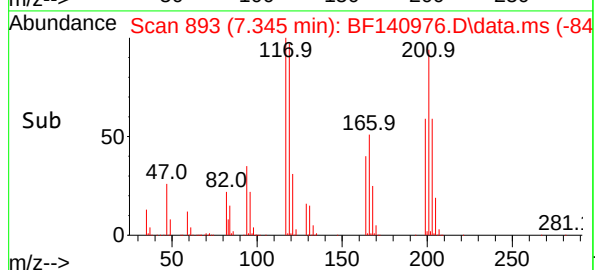
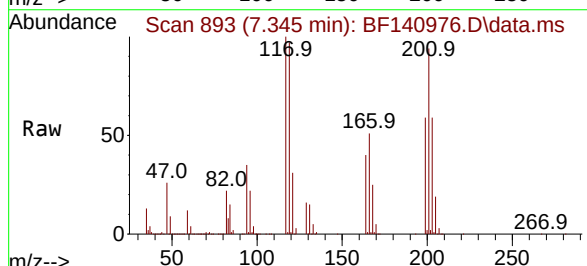
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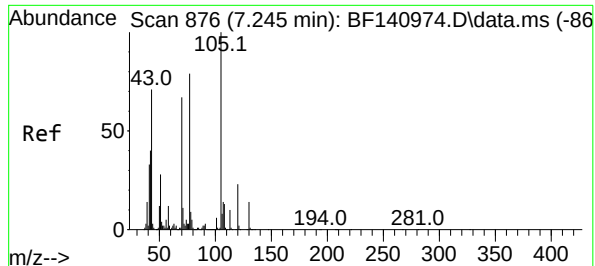
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#18
Hexachloroethane
Concen: 58.230 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:117 Resp: 432447
Ion Ratio Lower Upper
117 100
119 97.1 77.5 116.3
201 94.0 77.4 116.2





#19

n-Nitroso-di-n-propylamine

Concen: 56.323 ng

RT: 7.251 min Scan# 81

Delta R.T. 0.006 min

Lab File: BF140976.D

Acq: 26 Dec 2024 18:59

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion: 70 Resp: 79225

Ion Ratio Lower Upper

70 100

42 59.7 48.1 72.1

101 9.7 7.6 11.4

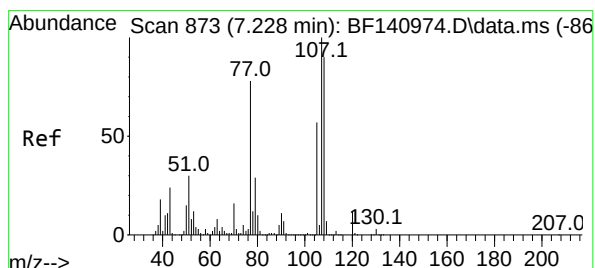
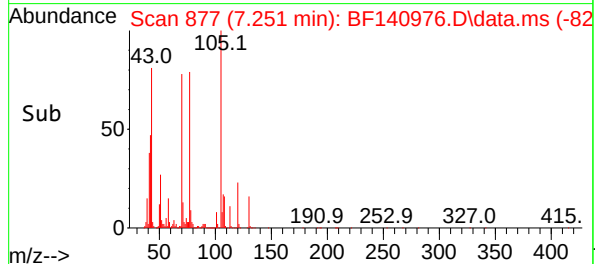
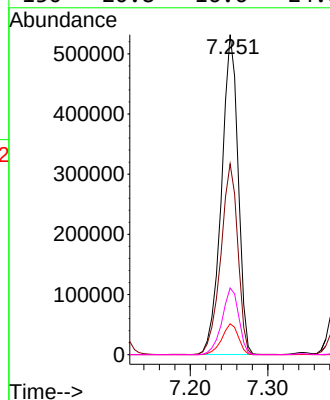
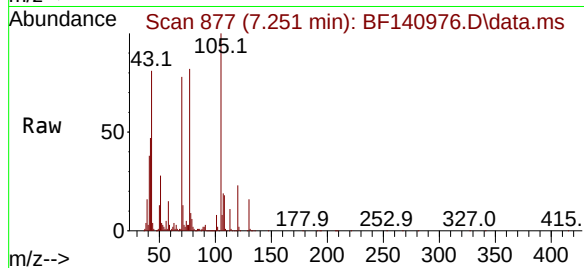
130 20.8 16.6 24.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#20

3+4-Methylphenols

Concen: 55.260 ng

RT: 7.234 min Scan# 874

Delta R.T. 0.006 min

Lab File: BF140976.D

Acq: 26 Dec 2024 18:59

Tgt Ion:107 Resp: 1091707

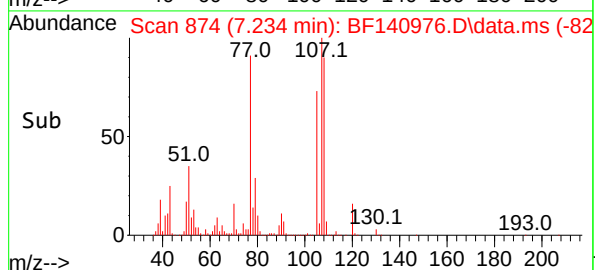
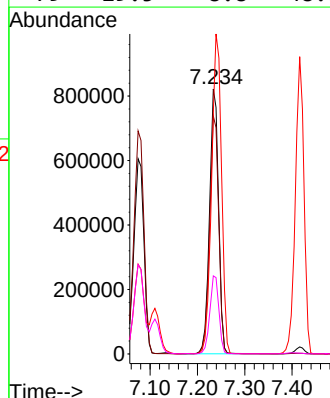
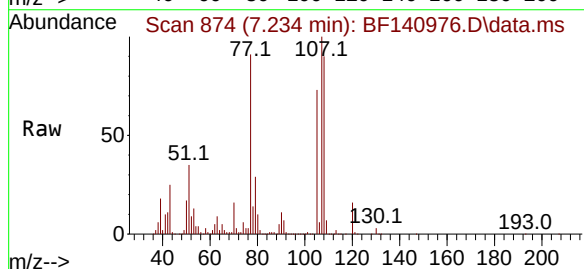
Ion Ratio Lower Upper

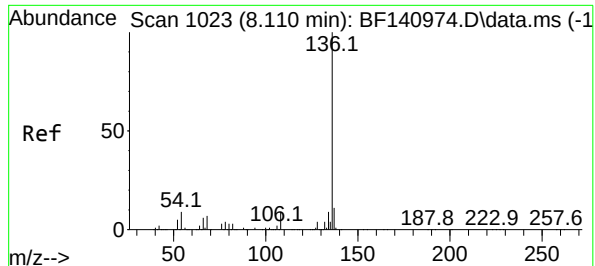
107 100

108 89.8 69.6 109.6

77 91.0 57.6 97.6

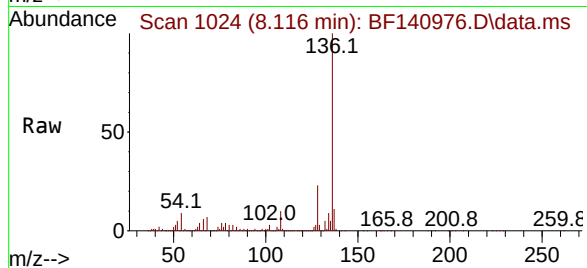
79 29.5 8.8 48.8





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1023
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

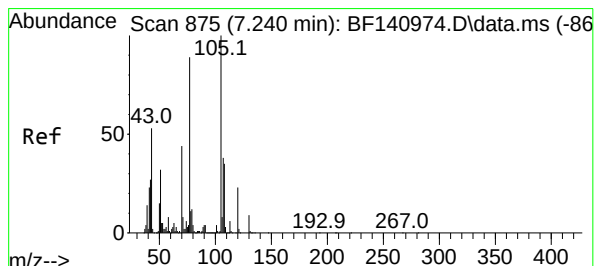
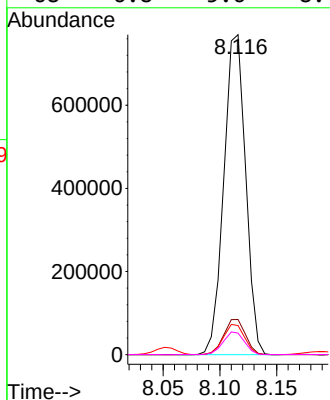
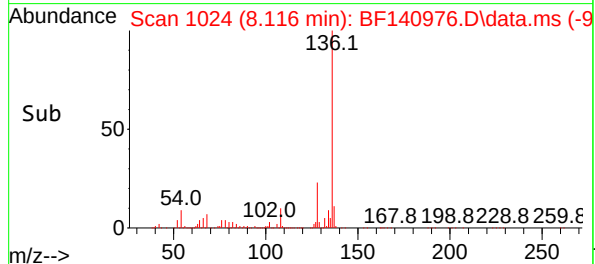
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:136 Resp: 1029033
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.4
54 9.1 7.6 11.4
68 6.8 5.6 8.4

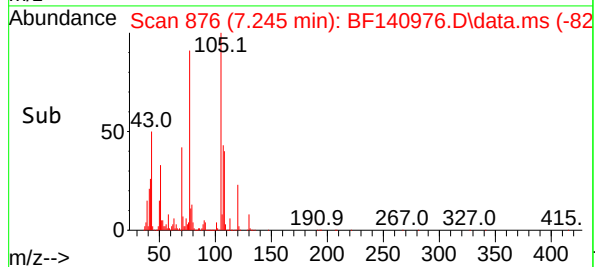
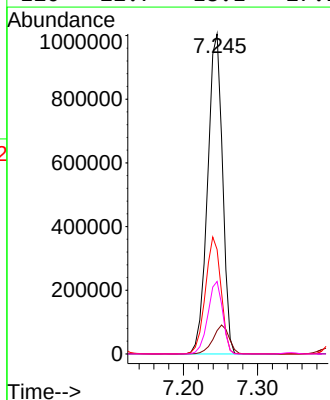
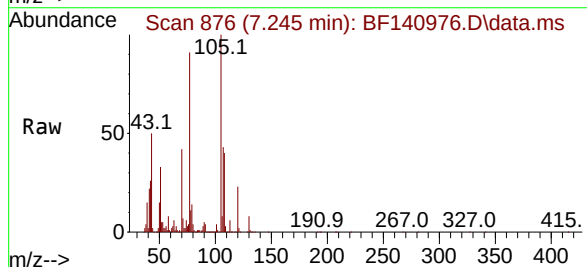
Manual Integrations
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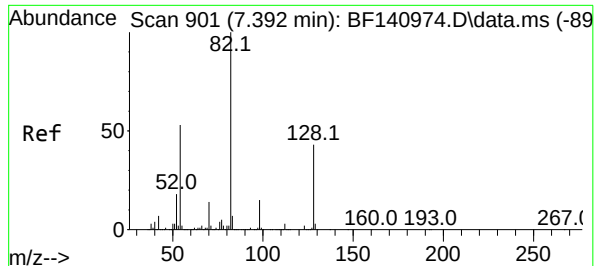
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#22
Acetophenone
Concen: 55.496 ng
RT: 7.245 min Scan# 876
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:105 Resp: 1400933
Ion Ratio Lower Upper
105 100
71 7.3 6.1 9.1
51 32.7 25.8 38.6
120 22.7 18.1 27.1





#23

Nitrobenzene-d5

Concen: 134.096 ng

RT: 7.398 min Scan# 901

Delta R.T. 0.006 min

Lab File: BF140976.D

Acq: 26 Dec 2024 18:59

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion: 82 Resp: 215682

Ion Ratio Lower Upper

82 100

128 43.9 34.4 51.6

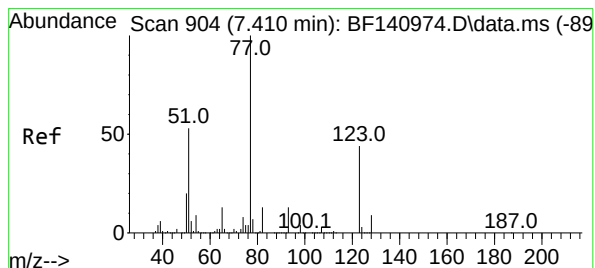
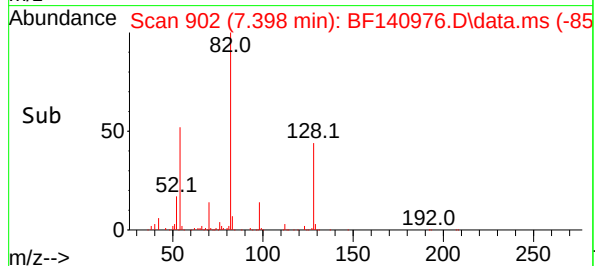
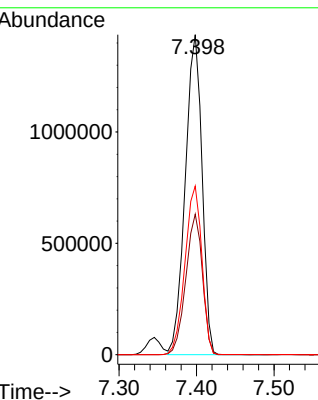
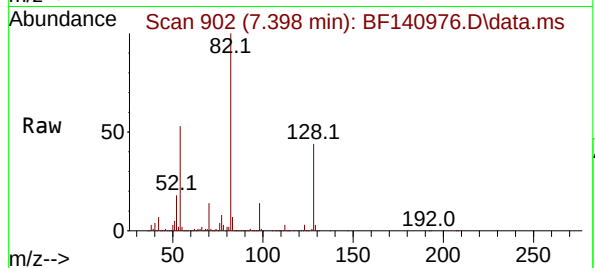
54 52.7 42.4 63.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#24

Nitrobenzene

Concen: 65.032 ng

RT: 7.416 min Scan# 905

Delta R.T. 0.006 min

Lab File: BF140976.D

Acq: 26 Dec 2024 18:59

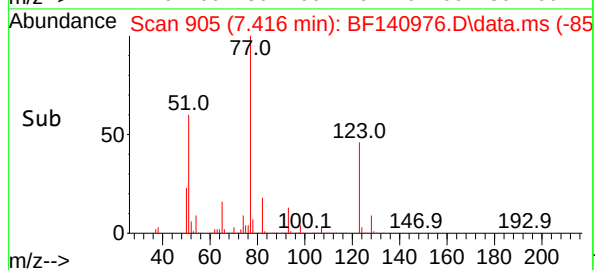
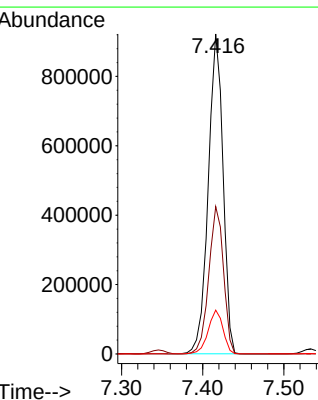
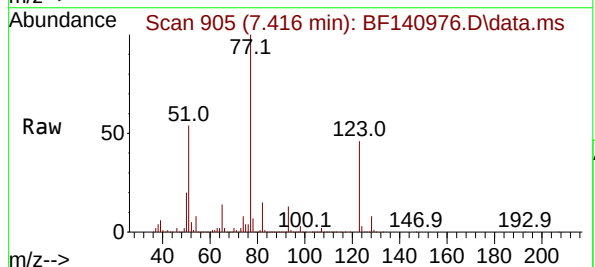
Tgt Ion: 77 Resp: 1168779

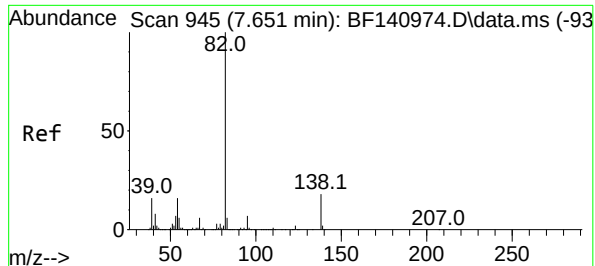
Ion Ratio Lower Upper

77 100

123 46.1 35.4 53.2

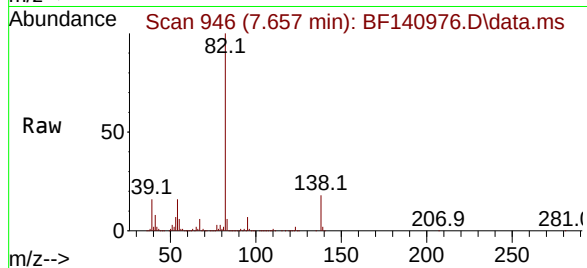
65 13.7 10.7 16.1





#25
Isophorone
Concen: 58.123 ng
RT: 7.657 min Scan# 945
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

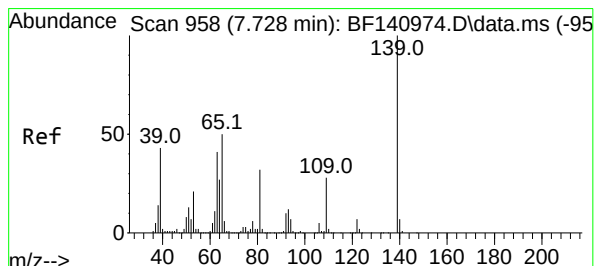
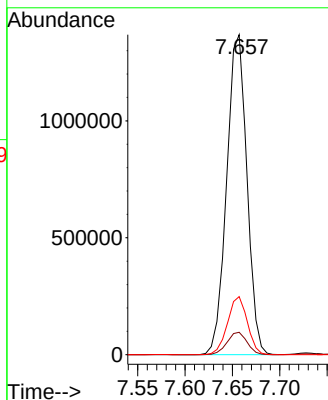
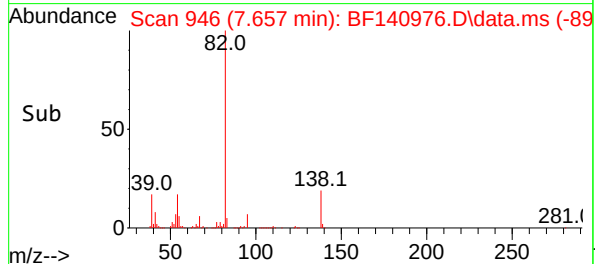
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion: 82 Resp: 2034290
Ion Ratio Lower Upper
82 100
95 7.0 5.6 8.4
138 18.1 14.6 21.8

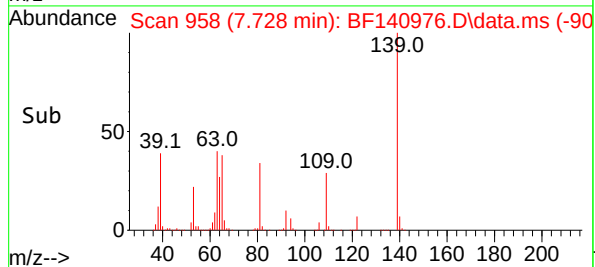
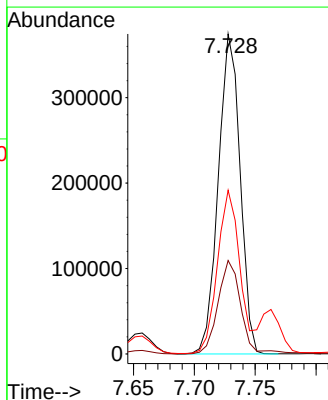
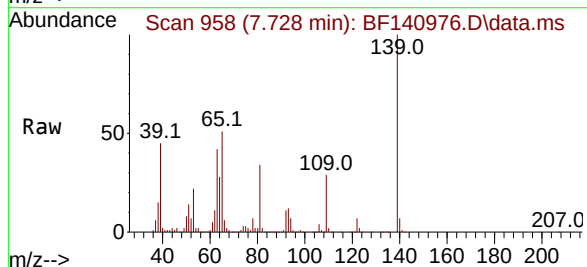
Manual Integrations
APPROVED

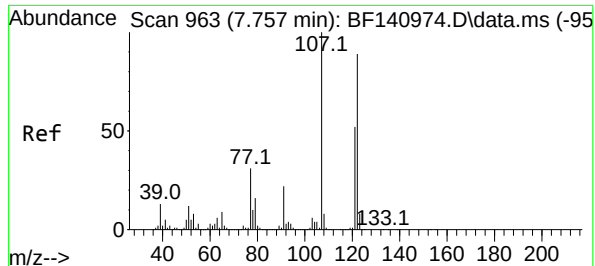
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#26
2-Nitrophenol
Concen: 61.735 ng
RT: 7.728 min Scan# 958
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:139 Resp: 467251
Ion Ratio Lower Upper
139 100
109 29.2 22.2 33.4
65 51.1 40.2 60.4





#27

2,4-Dimethylphenol

Concen: 58.955 ng

RT: 7.763 min Scan# 90

Delta R.T. 0.006 min

Lab File: BF140976.D

Acq: 26 Dec 2024 18:59

Instrument :

BNA_F

ClientSampleId :

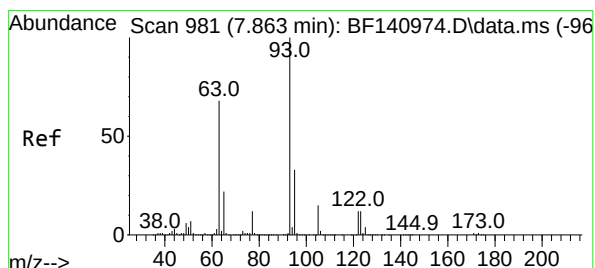
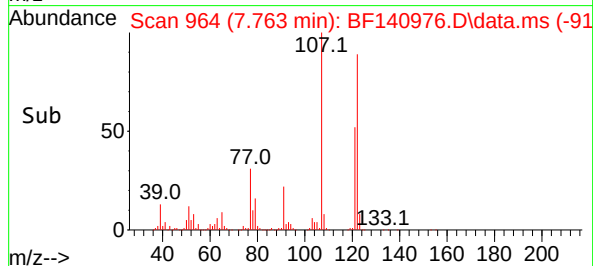
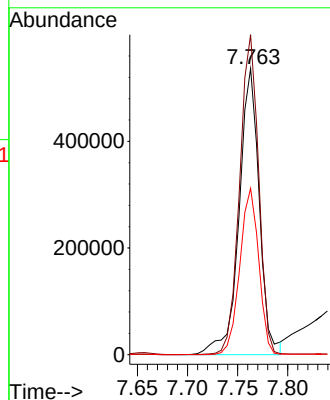
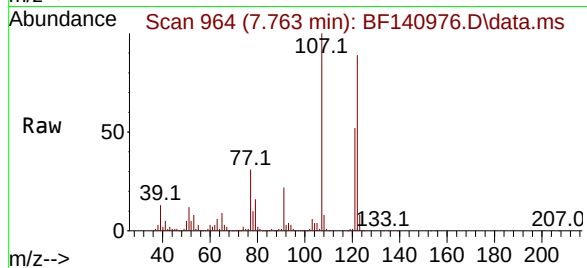
SSTDICC060

Tgt Ion:122 Resp: 754114
Ion Ratio Lower Upper
122 100
107 111.8 89.4 134.2
121 58.1 46.7 70.1

Manual Integrations

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Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#28

bis(2-Chloroethoxy)methane

Concen: 56.322 ng

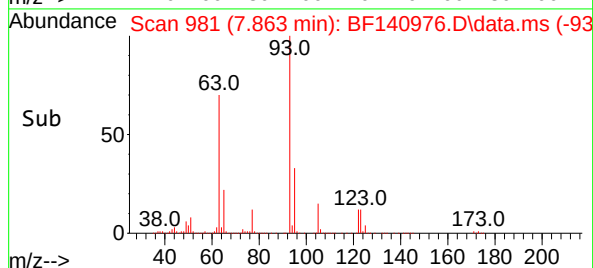
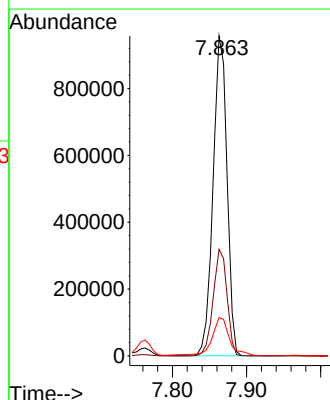
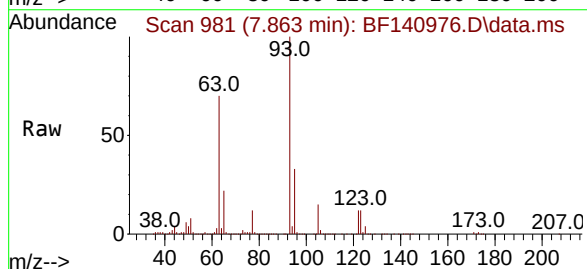
RT: 7.863 min Scan# 981

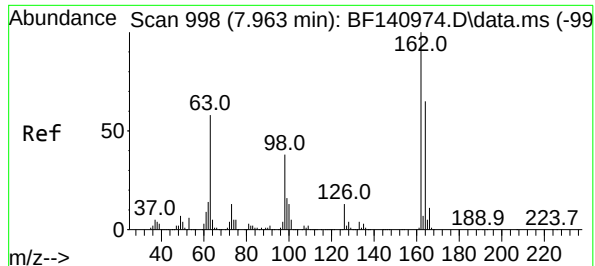
Delta R.T. -0.000 min

Lab File: BF140976.D

Acq: 26 Dec 2024 18:59

Tgt Ion: 93 Resp: 1248974
Ion Ratio Lower Upper
93 100
95 33.3 26.2 39.4
123 12.0 9.9 14.9





#29

2,4-Dichlorophenol

Concen: 59.747 ng

RT: 7.963 min Scan# 998

Delta R.T. -0.000 min

Lab File: BF140976.D

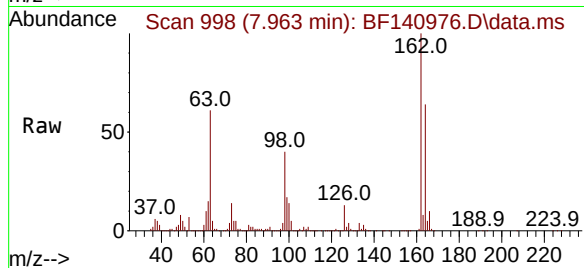
Acq: 26 Dec 2024 18:59

Instrument :

BNA_F

ClientSampleId :

SSTDICC060



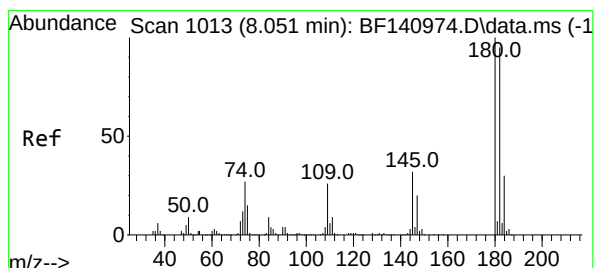
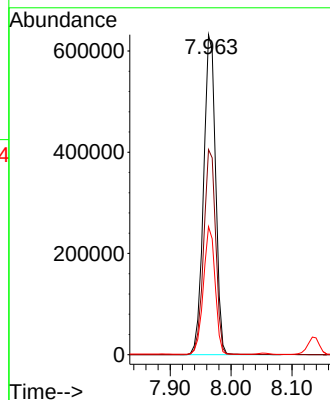
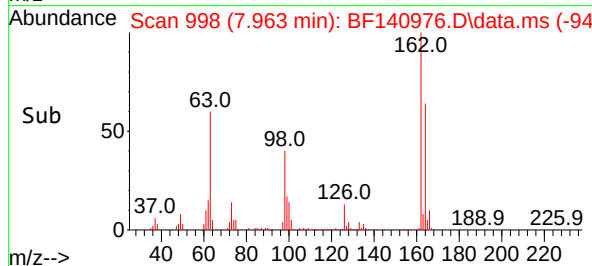
Tgt Ion:	162	Resp:	866778
Ion Ratio	Lower	Upper	
162	100		
164	64.1	44.8	84.8
98	40.0	18.6	58.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#30

1,2,4-Trichlorobenzene

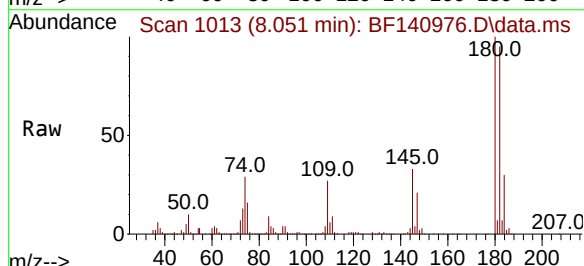
Concen: 57.464 ng

RT: 8.051 min Scan# 1013

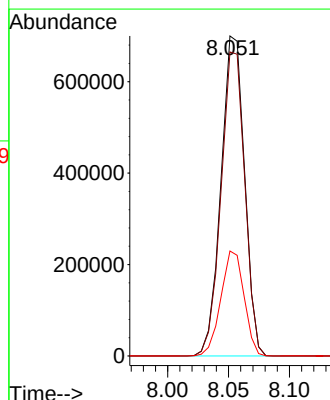
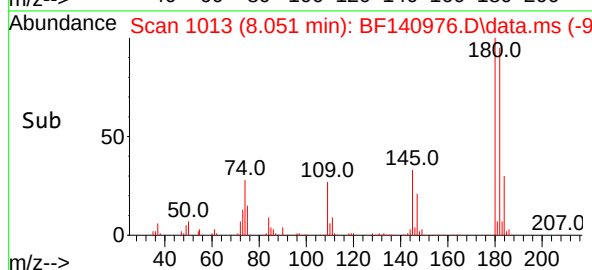
Delta R.T. -0.000 min

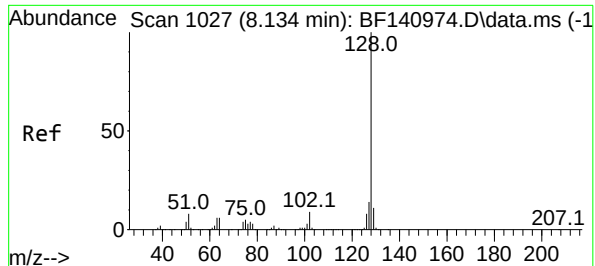
Lab File: BF140976.D

Acq: 26 Dec 2024 18:59



Tgt Ion:	180	Resp:	943563
Ion Ratio	Lower	Upper	
180	100		
182	95.0	76.2	114.4
145	32.8	25.4	38.2





#31

Naphthalene

Concen: 55.296 ng

RT: 8.134 min Scan# 1027

Delta R.T. -0.000 min

Lab File: BF140976.D

Acq: 26 Dec 2024 18:59

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:128 Resp: 299834

Ion Ratio Lower Upper

128 100

129 11.8 9.2 13.8

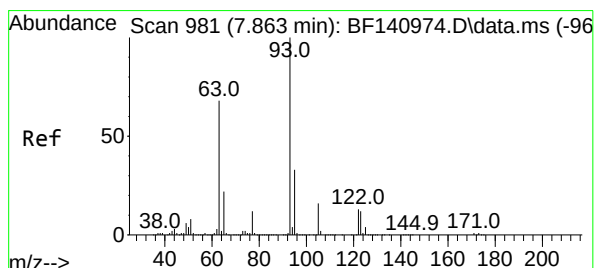
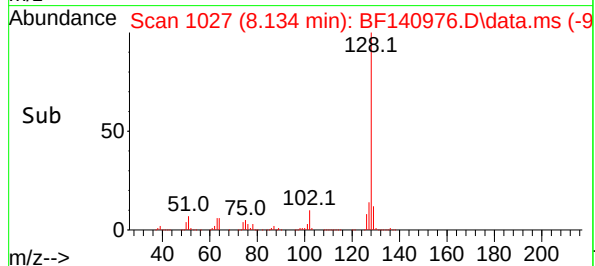
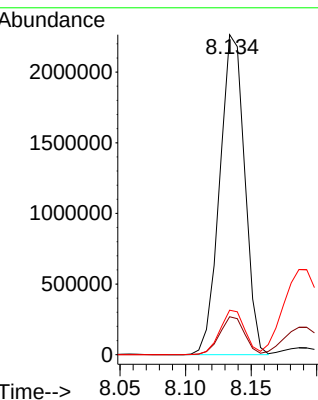
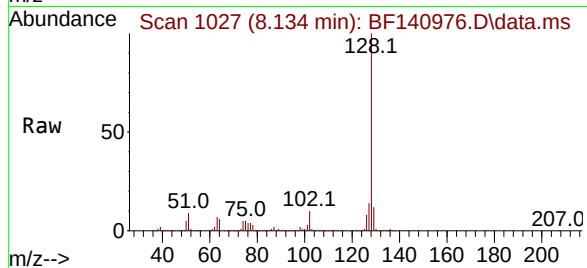
127 13.9 11.0 16.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#32

Benzoic acid

Concen: 62.038 ng

RT: 7.886 min Scan# 985

Delta R.T. 0.023 min

Lab File: BF140976.D

Acq: 26 Dec 2024 18:59

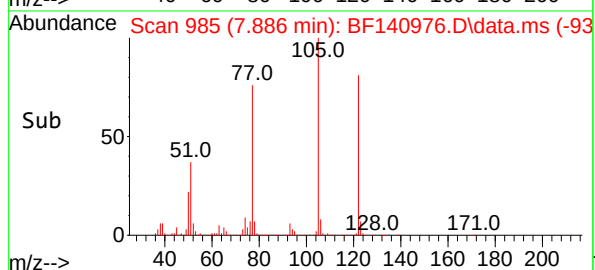
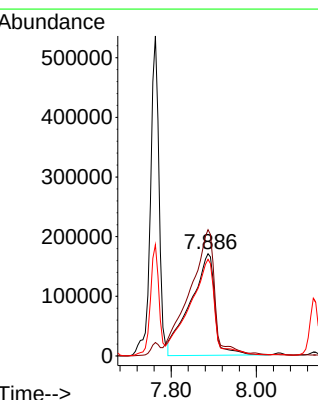
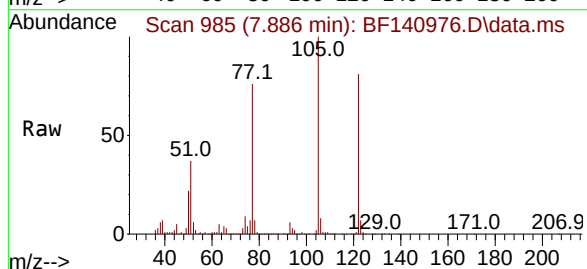
Tgt Ion:122 Resp: 681257

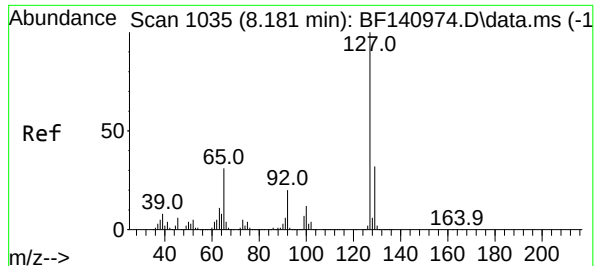
Ion Ratio Lower Upper

122 100

105 123.4 105.4 145.4

77 94.4 76.4 116.4





#33

4-Chloroaniline

Concen: 57.778 ng

RT: 8.186 min Scan# 1035

Delta R.T. 0.006 min

Lab File: BF140976.D

Acq: 26 Dec 2024 18:59

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:127 Resp: 113339

Ion Ratio Lower Upper

127 100

129 32.2 26.1 39.1

65 31.5 24.6 37.0

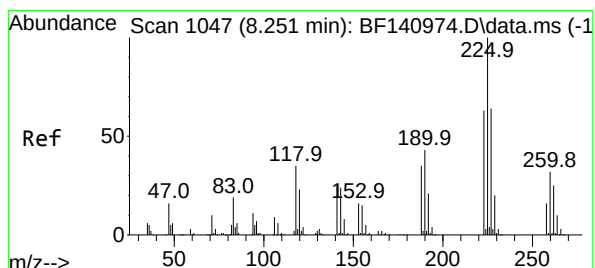
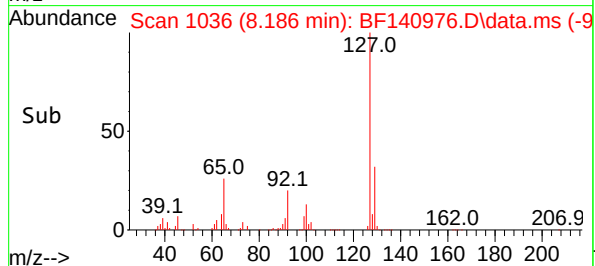
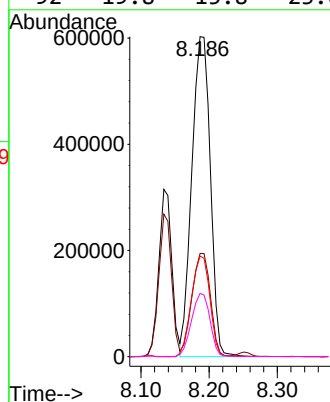
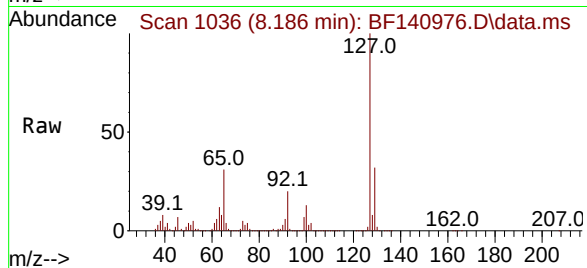
92 19.8 15.8 23.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#34

Hexachlorobutadiene

Concen: 57.963 ng

RT: 8.251 min Scan# 1047

Delta R.T. -0.000 min

Lab File: BF140976.D

Acq: 26 Dec 2024 18:59

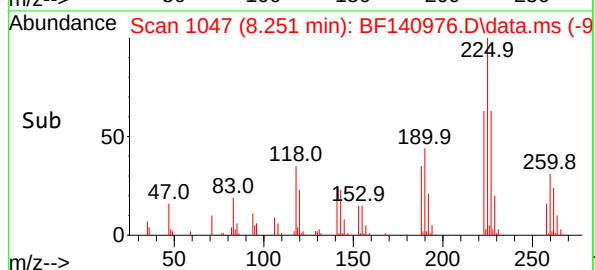
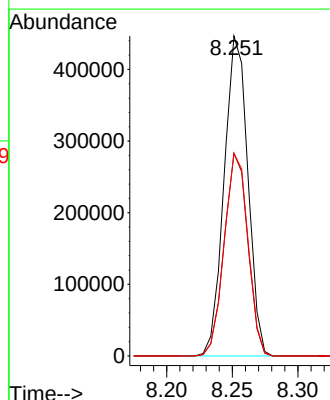
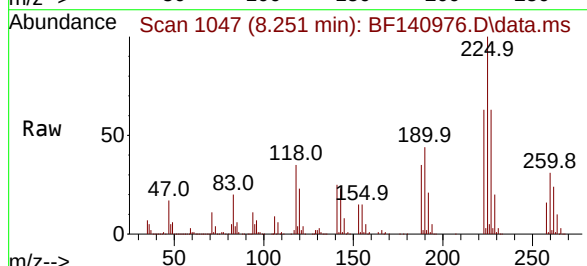
Tgt Ion:225 Resp: 561087

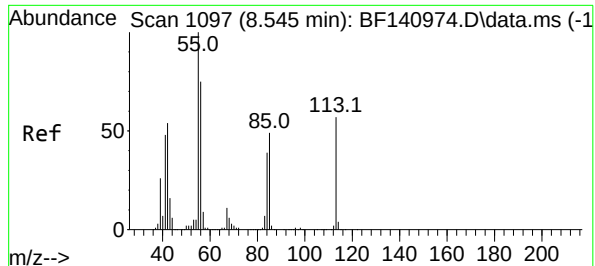
Ion Ratio Lower Upper

225 100

223 63.3 50.3 75.5

227 63.4 50.8 76.2





#35

Caprolactam

Concen: 59.682 ng

RT: 8.557 min Scan# 1109

Delta R.T. 0.012 min

Lab File: BF140976.D

Acq: 26 Dec 2024 18:59

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:113 Resp: 29436

Ion Ratio Lower Upper

113 100

55 178.6 156.6 196.6

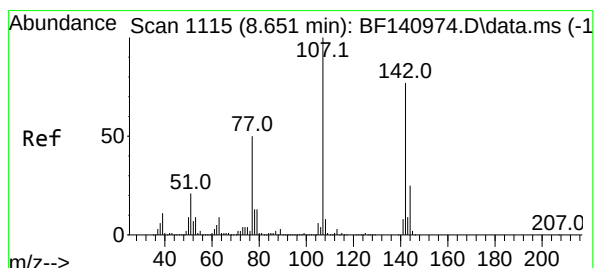
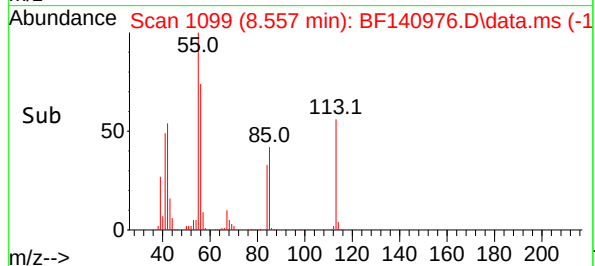
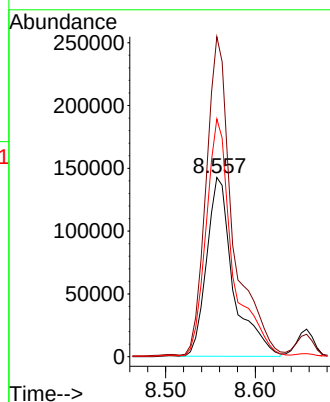
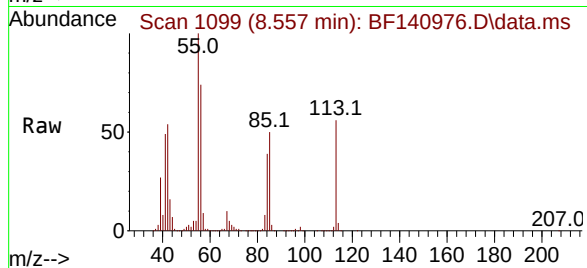
56 132.7 111.7 151.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#36

4-Chloro-3-methylphenol

Concen: 59.209 ng

RT: 8.657 min Scan# 1116

Delta R.T. 0.006 min

Lab File: BF140976.D

Acq: 26 Dec 2024 18:59

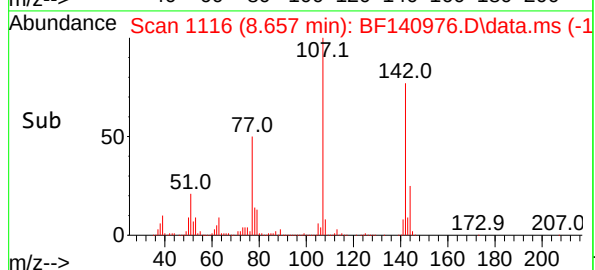
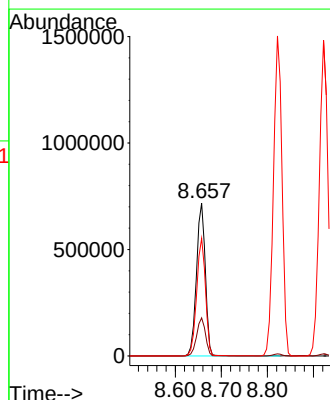
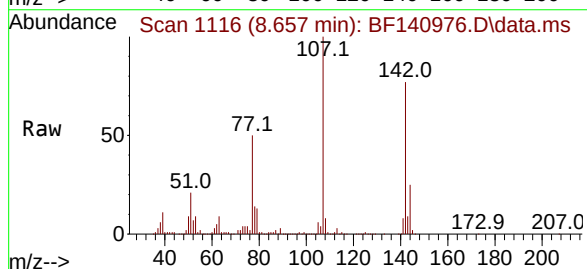
Tgt Ion:107 Resp: 953935

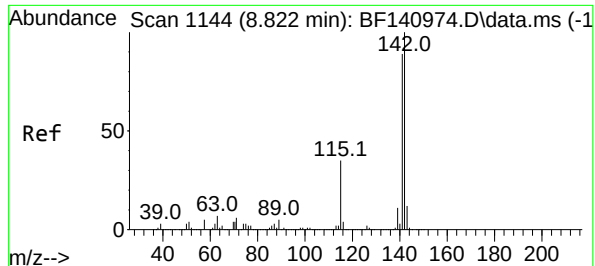
Ion Ratio Lower Upper

107 100

144 25.0 19.9 29.9

142 77.0 61.8 92.8





#37

2-Methylnaphthalene

Concen: 55.487 ng

RT: 8.822 min Scan# 1144

Delta R.T. -0.000 min

Lab File: BF140976.D

Acq: 26 Dec 2024 18:59

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:142 Resp: 1924790

Ion Ratio Lower Upper

142 100

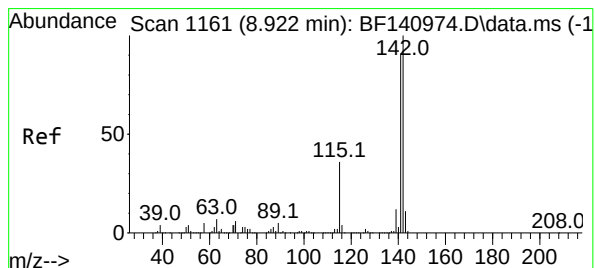
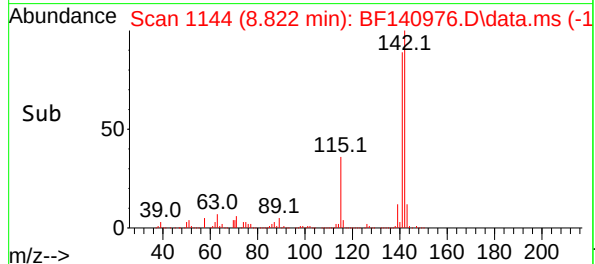
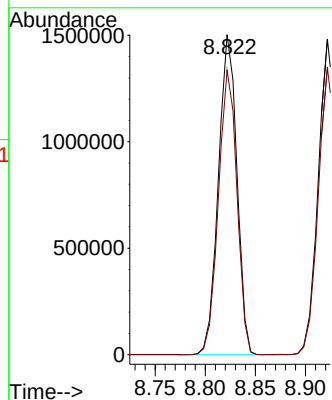
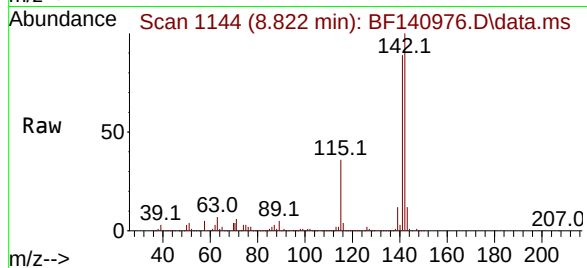
141 88.9 71.1 106.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#38

1-Methylnaphthalene

Concen: 55.689 ng

RT: 8.922 min Scan# 1161

Delta R.T. -0.000 min

Lab File: BF140976.D

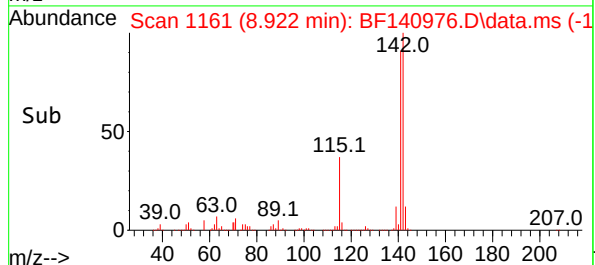
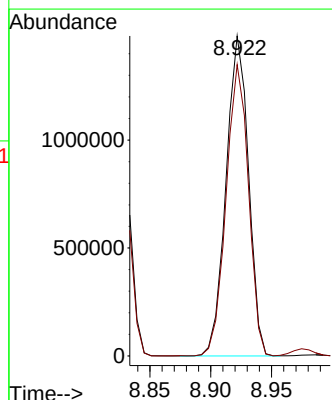
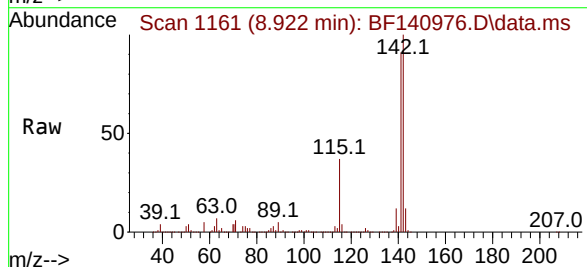
Acq: 26 Dec 2024 18:59

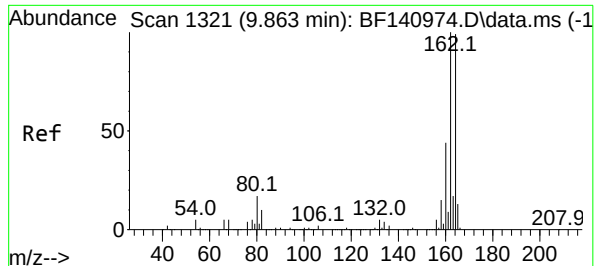
Tgt Ion:142 Resp: 1898518

Ion Ratio Lower Upper

142 100

141 91.1 72.7 109.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.863 min Scan# 1172

Delta R.T. -0.000 min

Lab File: BF140976.D

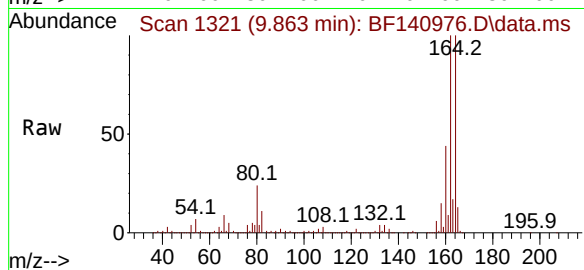
Acq: 26 Dec 2024 18:59

Instrument :

BNA_F

ClientSampleId :

SSTDICC060



Tgt Ion:164 Resp: 545680

Ion Ratio Lower Upper

164 100

162 99.6 80.6 120.8

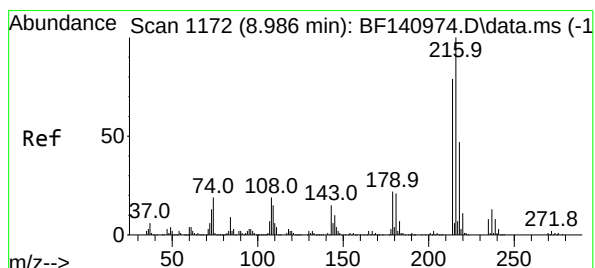
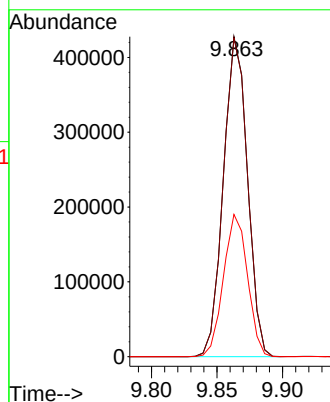
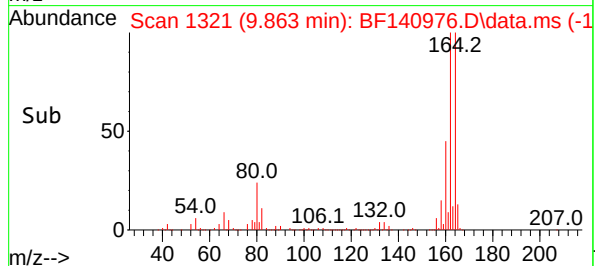
160 44.5 35.7 53.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#40

1,2,4,5-Tetrachlorobenzene

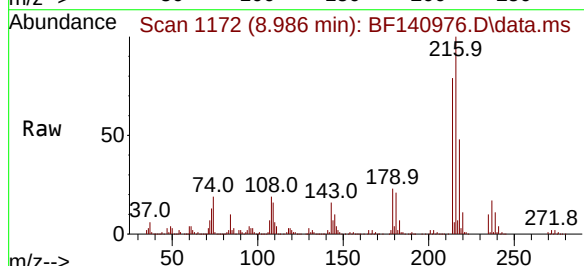
Concen: 57.327 ng

RT: 8.986 min Scan# 1172

Delta R.T. -0.000 min

Lab File: BF140976.D

Acq: 26 Dec 2024 18:59



Tgt Ion:216 Resp: 860616

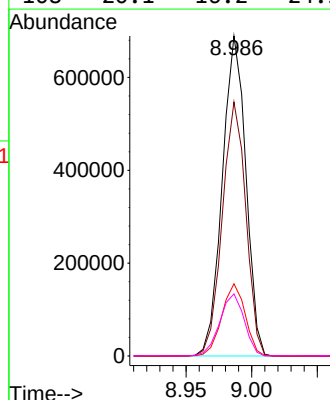
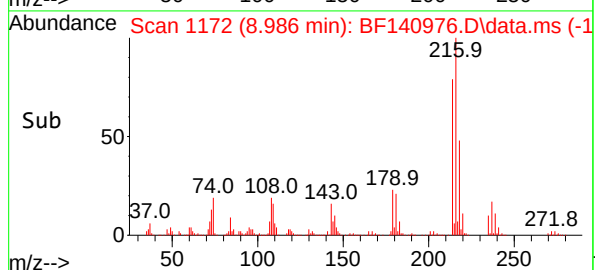
Ion Ratio Lower Upper

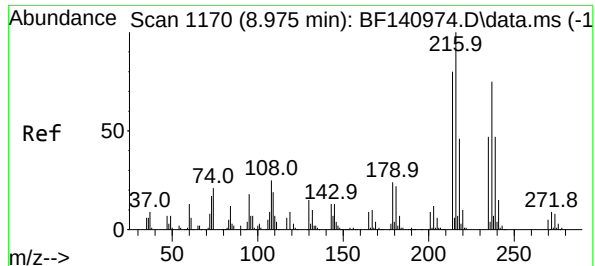
216 100

214 79.1 63.0 94.6

179 22.4 17.9 26.9

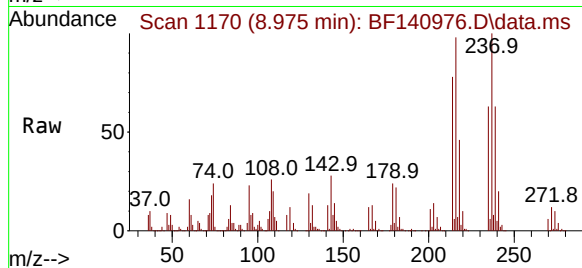
108 20.1 16.2 24.2





#41
Hexachlorocyclopentadiene
Concen: 62.648 ng
RT: 8.975 min Scan# 1170
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

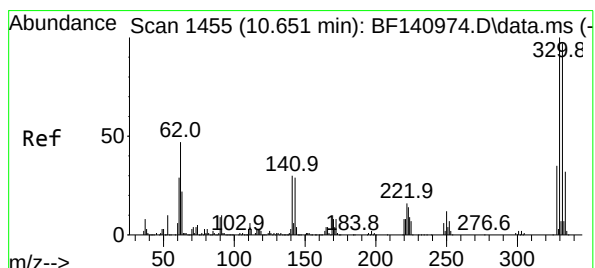
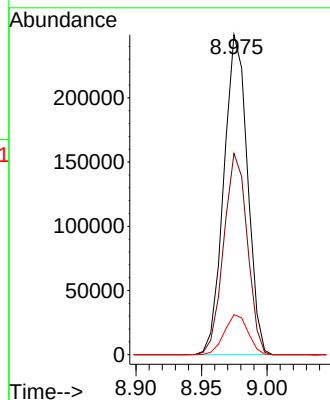
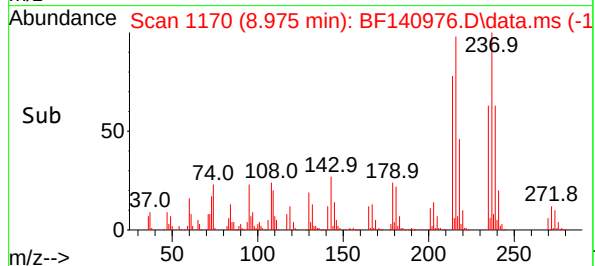
Instrument :
BNA_F
Client Sample Id :
SSTDICC060



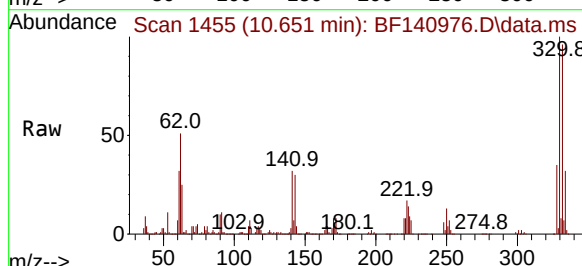
Tgt Ion: 237 Resp: 31166
Ion Ratio Lower Upper
237 100
235 62.9 43.4 83.4
272 12.5 0.0 32.6

Manual Integrations
APPROVED

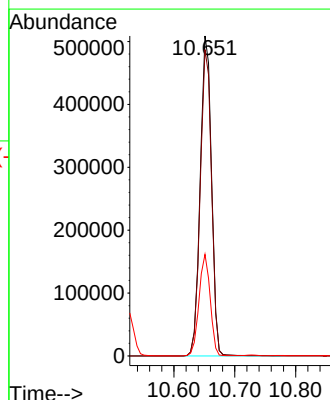
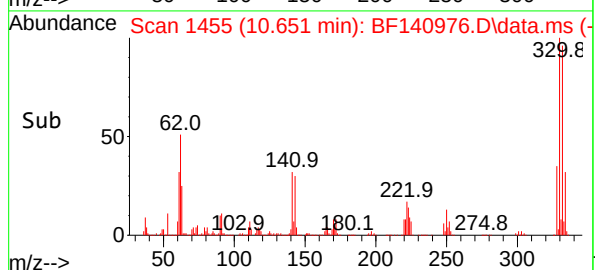
Reviewed By : Yogesh Patel 12/27/2024
Supervised By : mohammad ahmed 12/27/2024

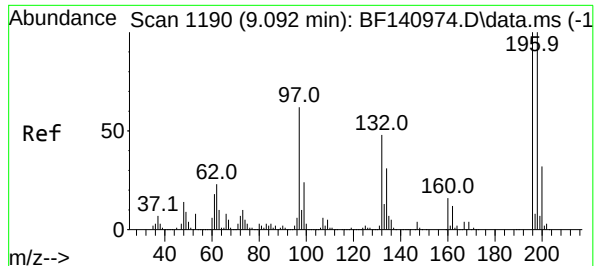


#42
2,4,6-Tribromophenol
Concen: 123.146 ng
RT: 10.651 min Scan# 1455
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59



Tgt Ion: 330 Resp: 652968
Ion Ratio Lower Upper
330 100
332 96.1 78.0 117.0
141 31.5 26.4 39.6





#43

2,4,6-Trichlorophenol

Concen: 62.389 ng

RT: 9.098 min Scan# 1190

Delta R.T. 0.006 min

Lab File: BF140976.D

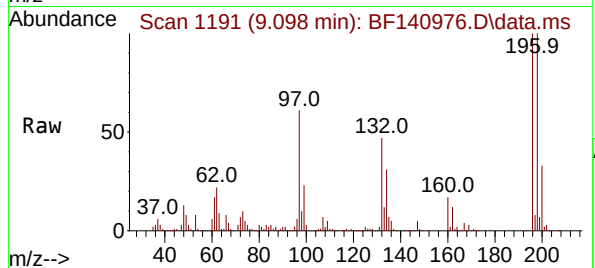
Acq: 26 Dec 2024 18:59

Instrument :

BNA_F

ClientSampleId :

SSTDICC060



Tgt Ion:196 Resp: 623350

Ion Ratio Lower Upper

196 100

198 99.8 80.2 120.4

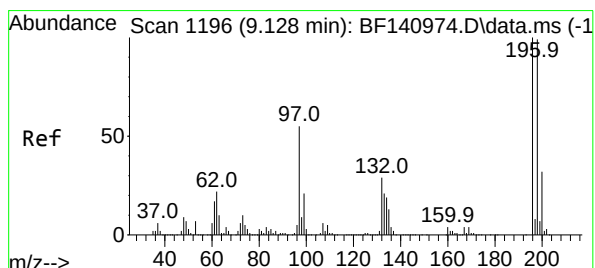
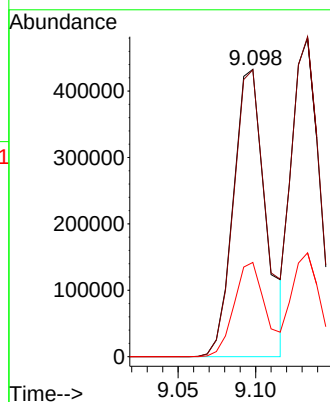
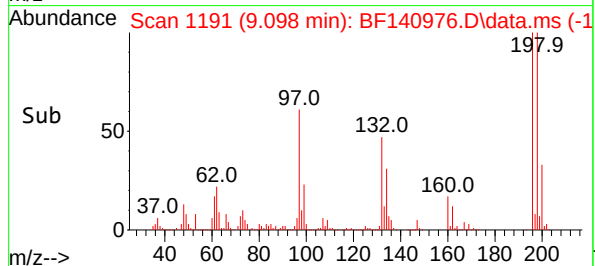
200 32.8 25.8 38.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#44

2,4,5-Trichlorophenol

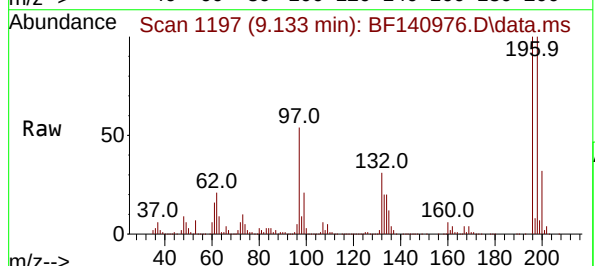
Concen: 58.429 ng

RT: 9.133 min Scan# 1197

Delta R.T. 0.006 min

Lab File: BF140976.D

Acq: 26 Dec 2024 18:59



Tgt Ion:196 Resp: 597336

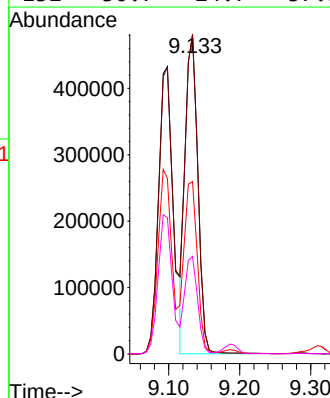
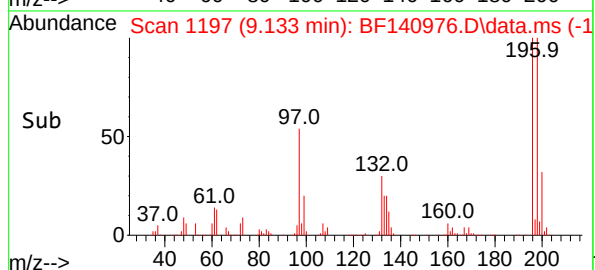
Ion Ratio Lower Upper

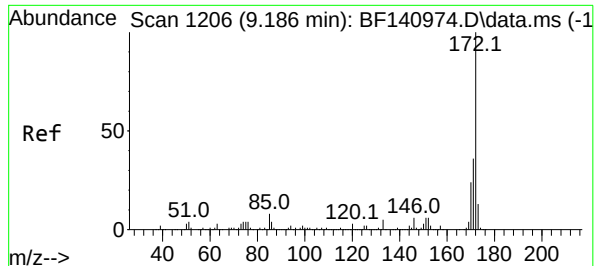
196 100

198 100.4 79.9 119.9

97 54.1 44.3 66.5

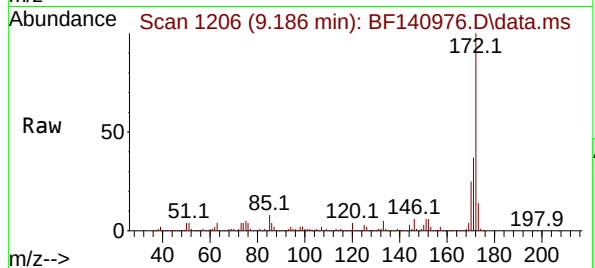
132 30.7 24.7 37.1





#45
2-Fluorobiphenyl
Concen: 105.387 ng
RT: 9.186 min Scan# 1206
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

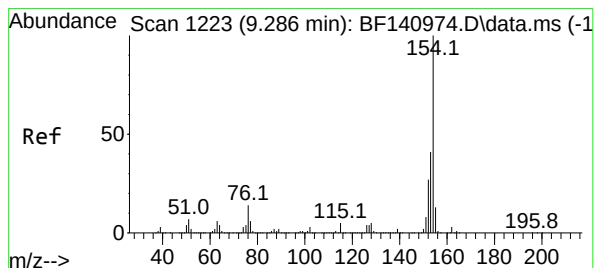
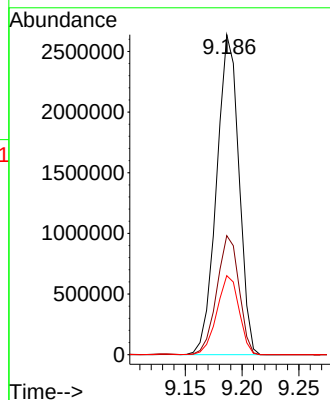
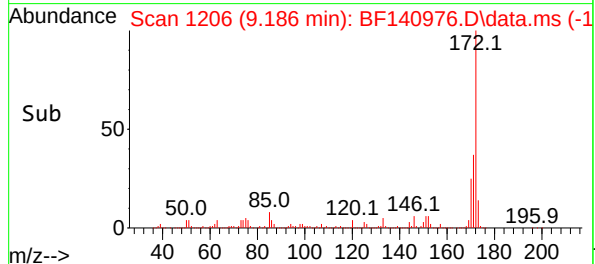
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:172 Resp: 360948
Ion Ratio Lower Upper
172 100
171 37.2 29.0 43.4
170 24.7 19.6 29.4

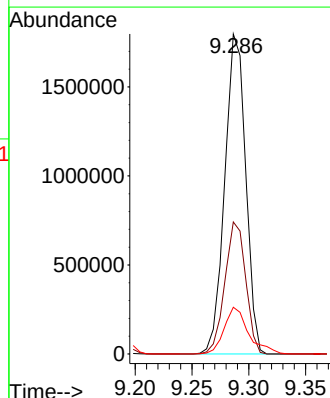
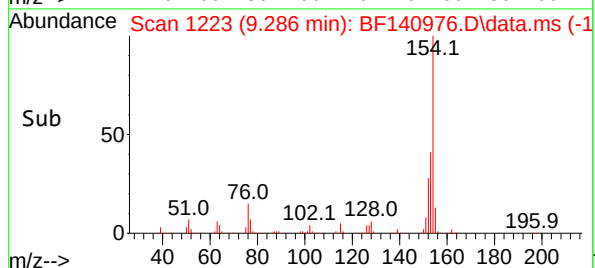
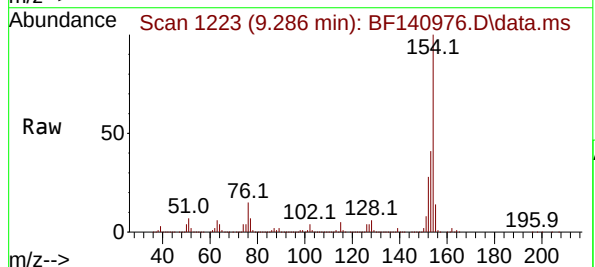
Manual Integrations
APPROVED

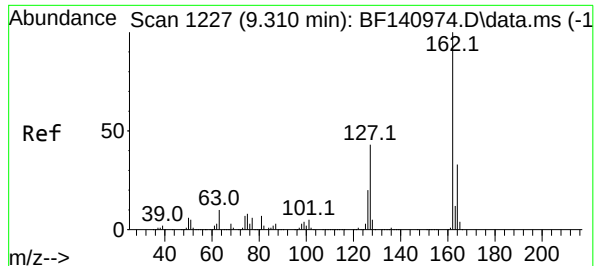
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#46
1,1'-Biphenyl
Concen: 55.102 ng
RT: 9.286 min Scan# 1223
Delta R.T. 0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:154 Resp: 2302280
Ion Ratio Lower Upper
154 100
153 41.2 20.9 60.9
76 14.6 0.0 34.0





#47

2-Chloronaphthalene

Concen: 55.777 ng

RT: 9.310 min Scan# 1227

Delta R.T. -0.000 min

Lab File: BF140976.D

Acq: 26 Dec 2024 18:59

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:162 Resp: 1807450

Ion Ratio Lower Upper

162 100

127 44.3 34.2 51.4

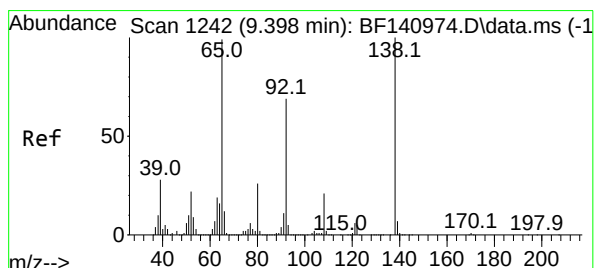
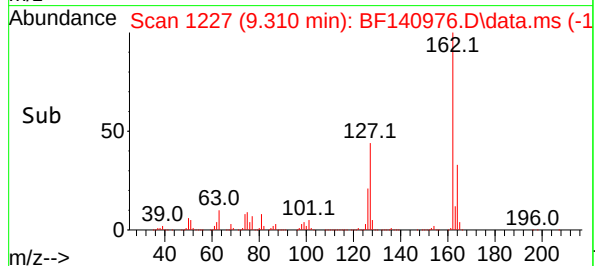
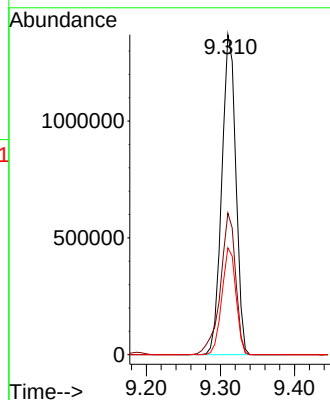
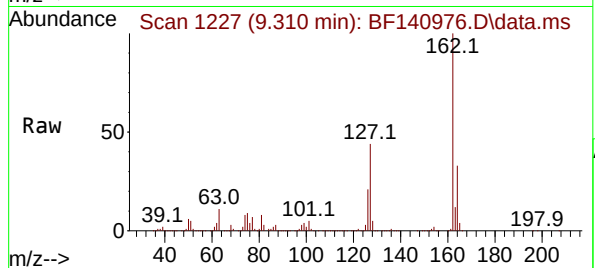
164 33.4 26.6 40.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#48

2-Nitroaniline

Concen: 61.984 ng

RT: 9.404 min Scan# 1243

Delta R.T. 0.006 min

Lab File: BF140976.D

Acq: 26 Dec 2024 18:59

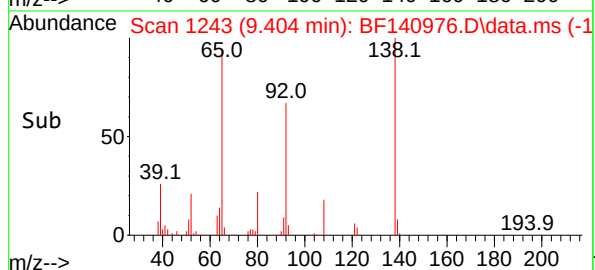
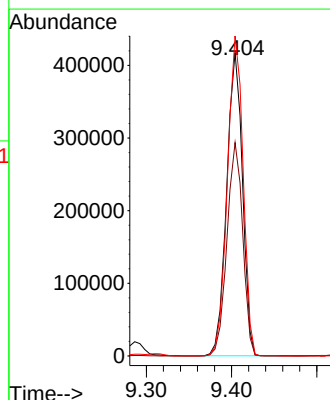
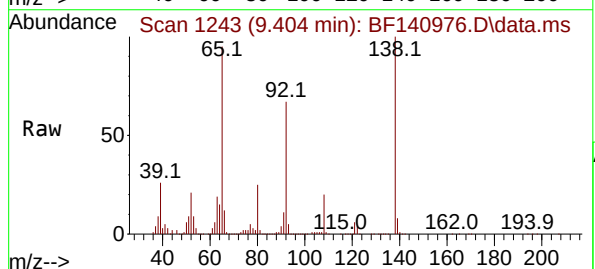
Tgt Ion: 65 Resp: 538159

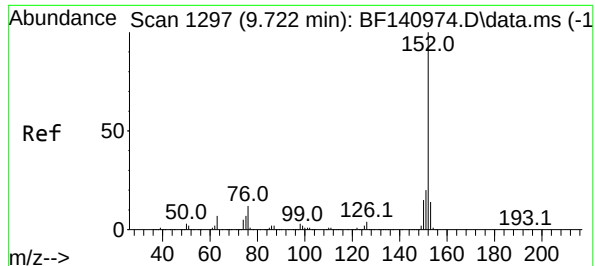
Ion Ratio Lower Upper

65 100

92 70.4 55.6 83.4

138 105.4 80.5 120.7





#49

Acenaphthylene

Concen: 55.811 ng

RT: 9.728 min Scan# 1297

Delta R.T. 0.006 min

Lab File: BF140976.D

Acq: 26 Dec 2024 18:59

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:152 Resp: 2603514

Ion Ratio Lower Upper

152 100

151 20.7 16.2 24.4

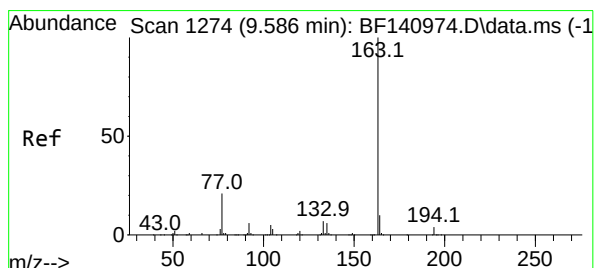
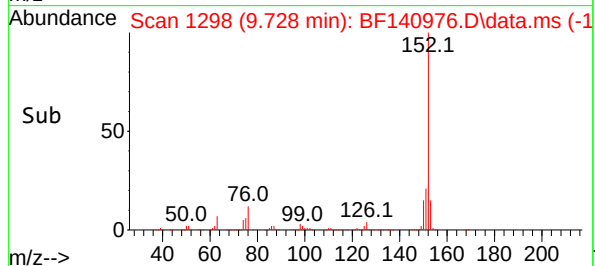
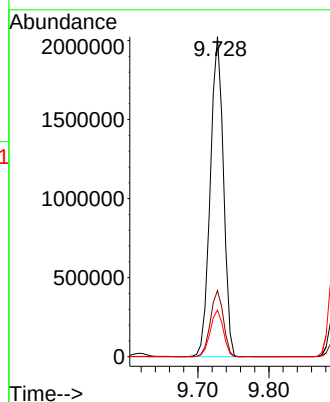
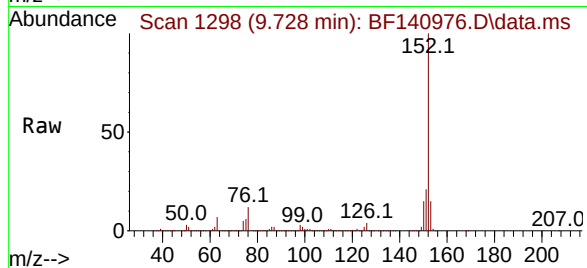
153 14.6 11.4 17.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#50

Dimethylphthalate

Concen: 57.054 ng

RT: 9.592 min Scan# 1275

Delta R.T. 0.006 min

Lab File: BF140976.D

Acq: 26 Dec 2024 18:59

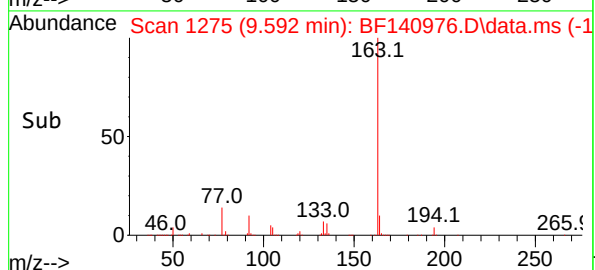
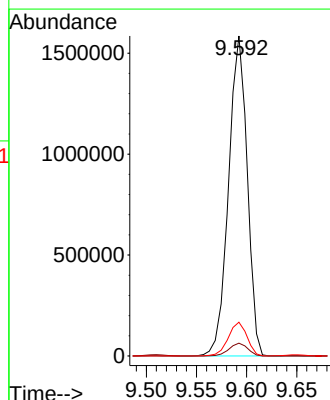
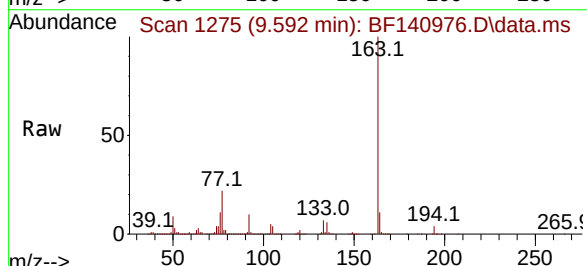
Tgt Ion:163 Resp: 2047854

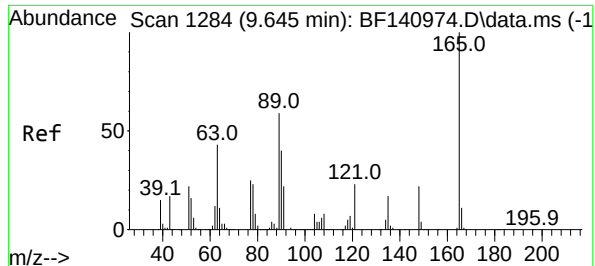
Ion Ratio Lower Upper

163 100

194 4.0 3.1 4.7

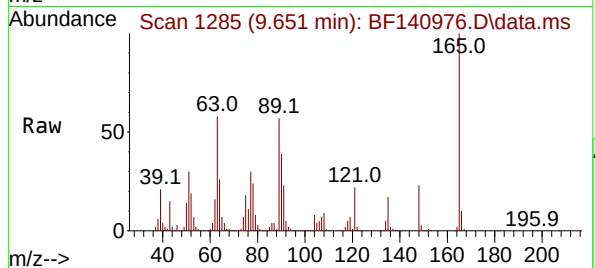
164 10.5 8.3 12.5





#51
2,6-Dinitrotoluene
Concen: 61.208 ng
RT: 9.651 min Scan# 1285
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

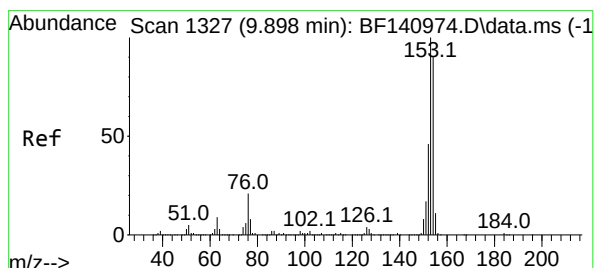
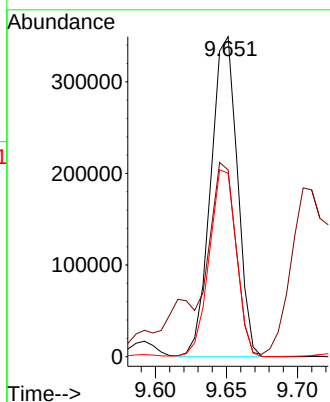
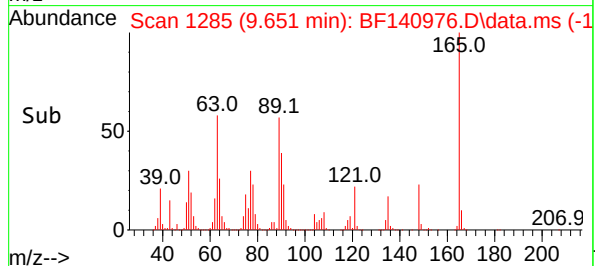
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:165 Resp: 455999
Ion Ratio Lower Upper
165 100
63 58.3 47.1 70.7
89 57.3 47.0 70.4

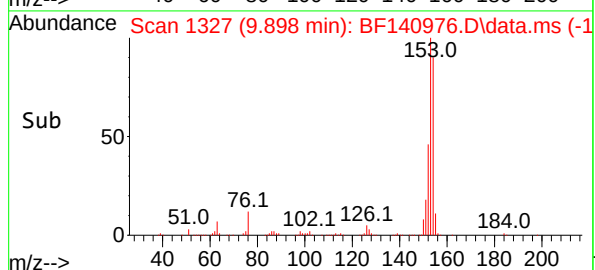
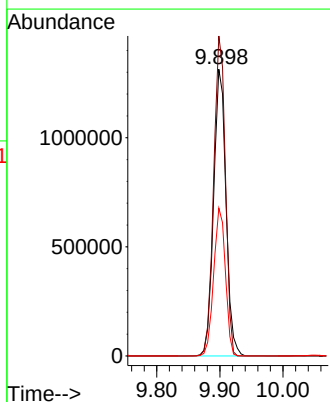
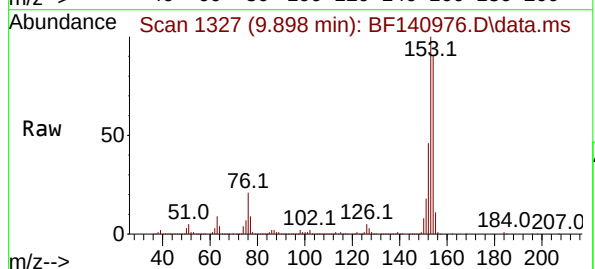
Manual Integrations
APPROVED

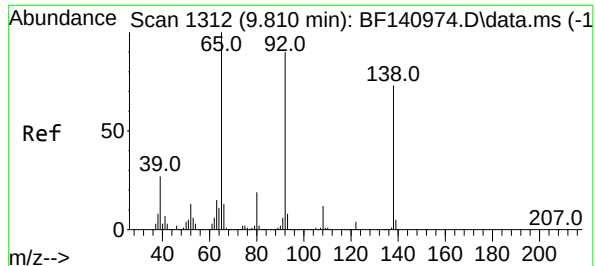
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#52
Acenaphthene
Concen: 56.633 ng
RT: 9.898 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

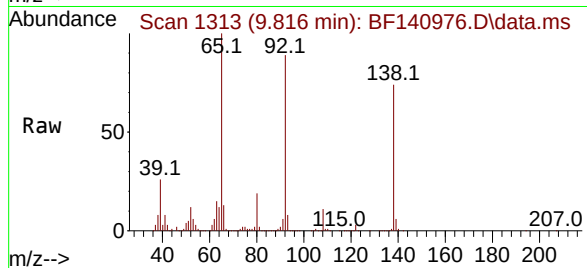
Tgt Ion:154 Resp: 1786036
Ion Ratio Lower Upper
154 100
153 111.6 89.2 133.8
152 51.5 40.9 61.3





#53
3-Nitroaniline
Concen: 61.600 ng
RT: 9.816 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

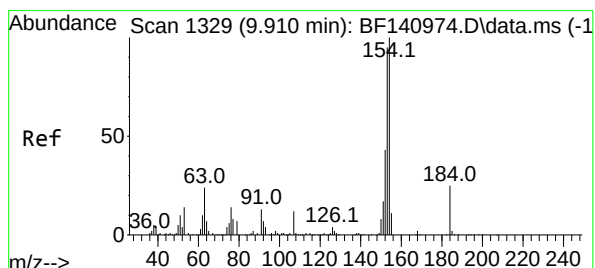
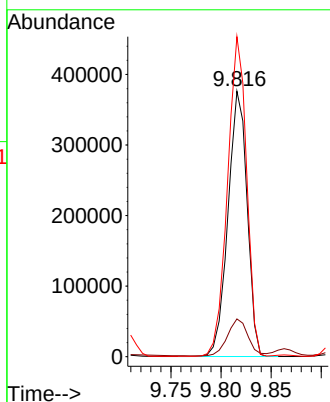
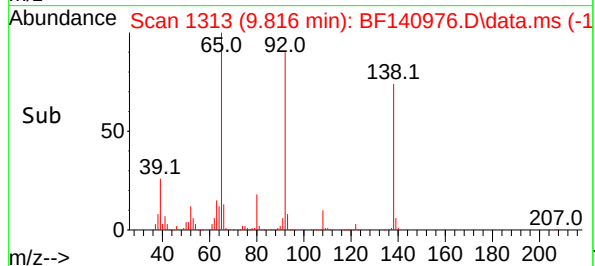
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:138 Resp: 498260
Ion Ratio Lower Upper
138 100
108 14.2 13.5 20.3
92 120.6 97.7 146.5

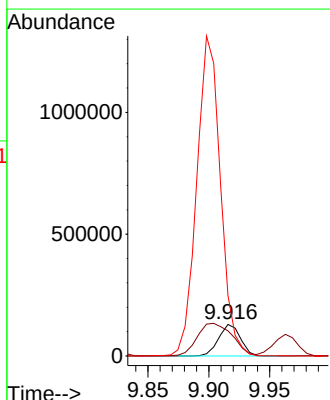
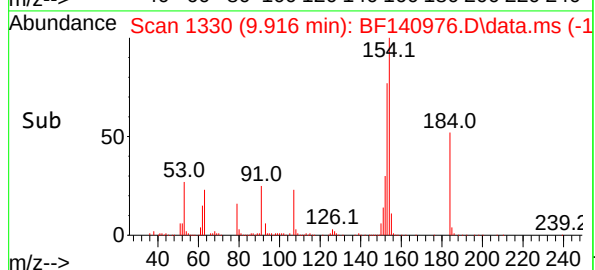
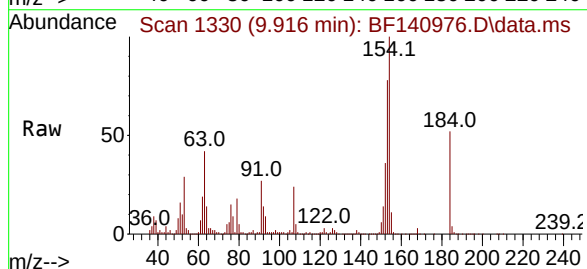
Manual Integrations
APPROVED

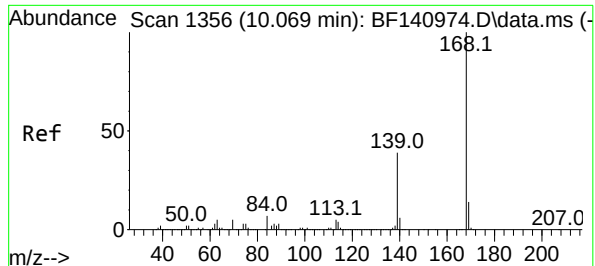
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#54
2,4-Dinitrophenol
Concen: 62.314 ng
RT: 9.916 min Scan# 1330
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:184 Resp: 160979
Ion Ratio Lower Upper
184 100
63 79.8 81.6 122.4#
154 191.8 363.5 545.3#





#55

Dibenzenofuran

Concen: 55.896 ng

RT: 10.069 min Scan# 1356

Delta R.T. -0.000 min

Lab File: BF140976.D

Acq: 26 Dec 2024 18:59

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:168 Resp: 2477328

Ion Ratio Lower Upper

168 100

139 40.2 31.6 47.4

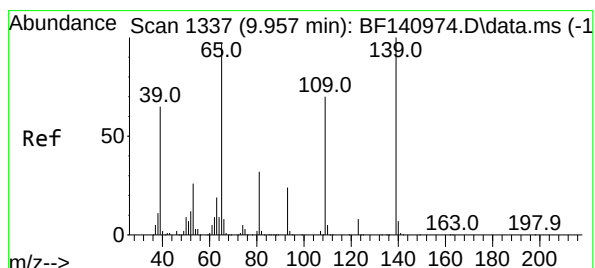
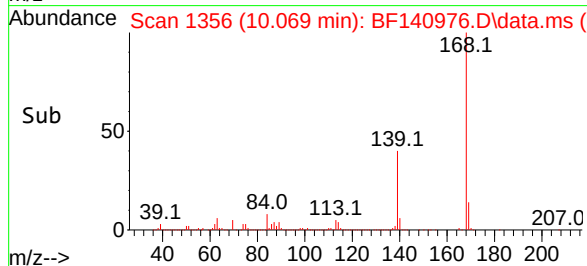
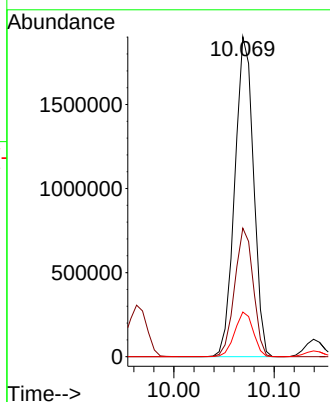
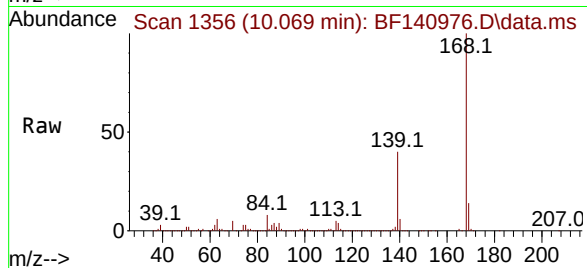
169 14.0 11.0 16.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#56

4-Nitrophenol

Concen: 67.472 ng

RT: 9.963 min Scan# 1338

Delta R.T. 0.006 min

Lab File: BF140976.D

Acq: 26 Dec 2024 18:59

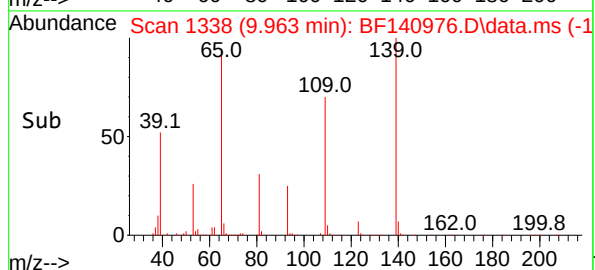
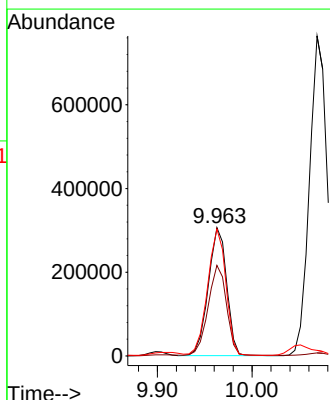
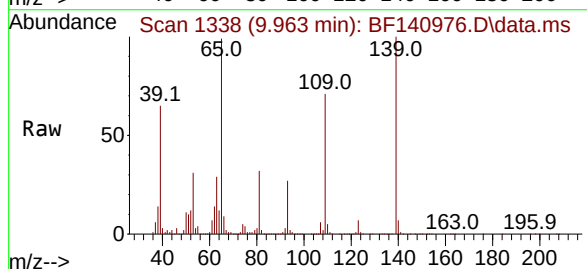
Tgt Ion:139 Resp: 414262

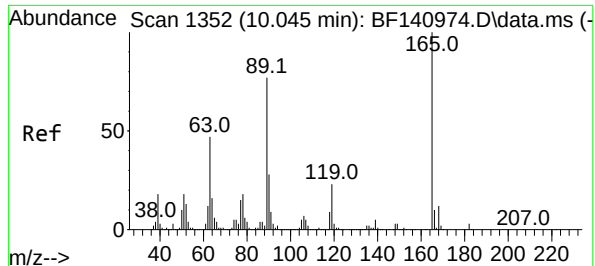
Ion Ratio Lower Upper

139 100

109 70.5 50.8 90.8

65 99.0 78.5 118.5





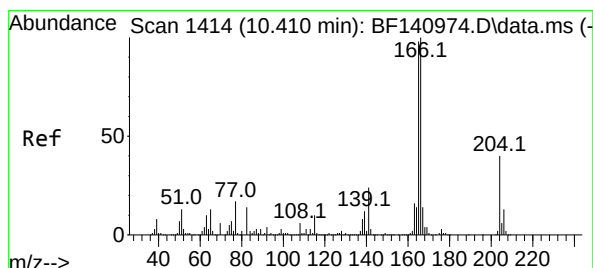
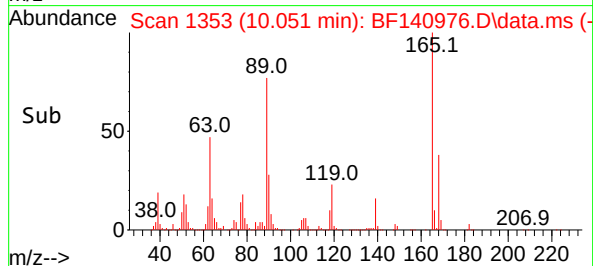
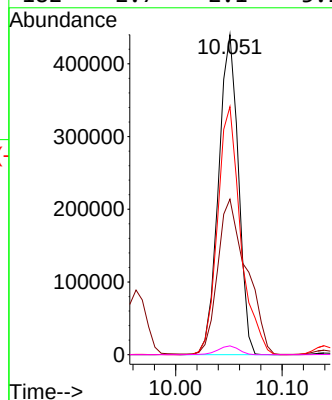
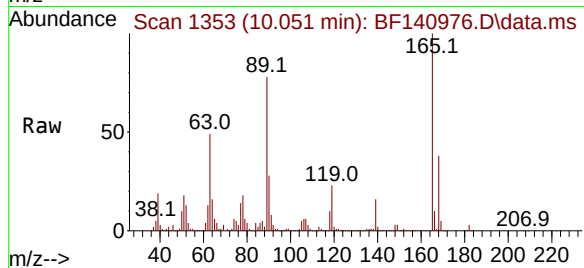
#57
2,4-Dinitrotoluene
Concen: 62.002 ng
RT: 10.051 min Scan# 1415
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 56834
Ion Ratio Lower Upper
165 100
63 48.6 38.1 57.1
89 77.5 61.4 92.2
182 2.7 2.1 3.1

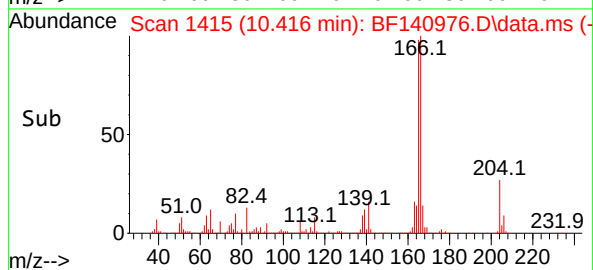
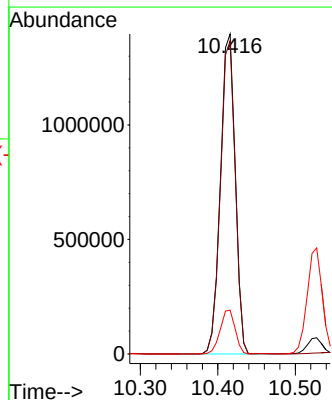
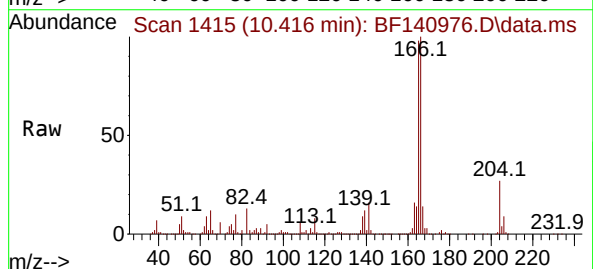
Manual Integrations
APPROVED

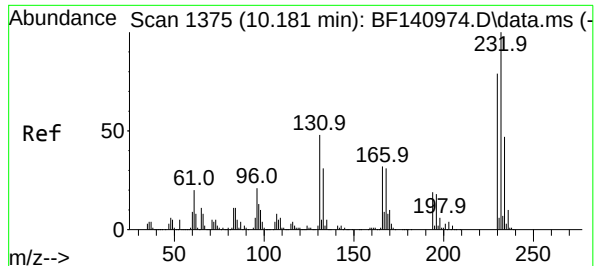
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#58
Fluorene
Concen: 54.047 ng
RT: 10.416 min Scan# 1415
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

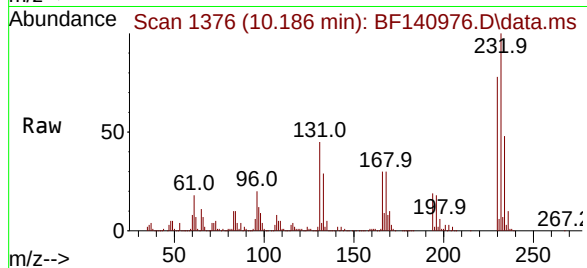
Tgt Ion:166 Resp: 1857483
Ion Ratio Lower Upper
166 100
165 97.8 78.3 117.5
167 13.7 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 61.184 ng
RT: 10.186 min Scan# 1375
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

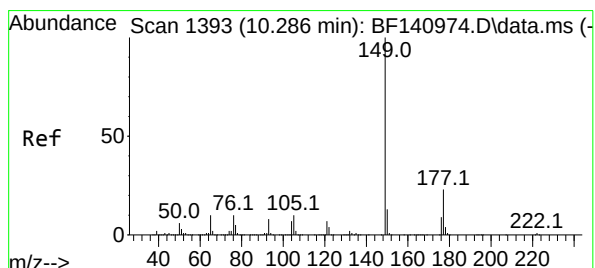
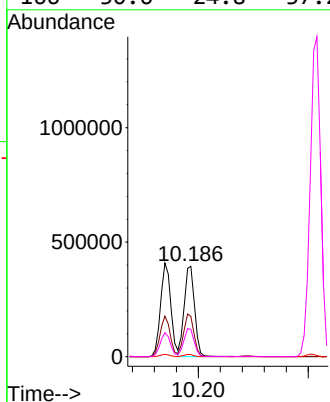
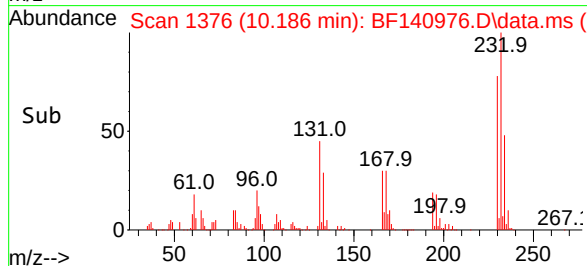
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:232 Resp: 518034
Ion Ratio Lower Upper
232 100
131 45.9 37.4 56.2
130 2.3 1.8 2.8
166 30.6 24.8 37.2

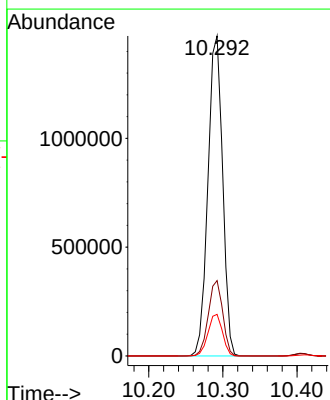
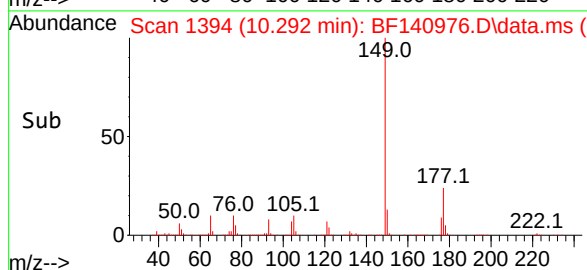
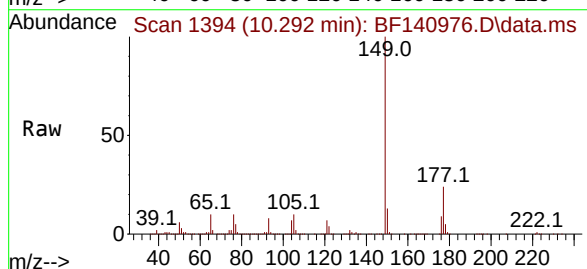
Manual Integrations
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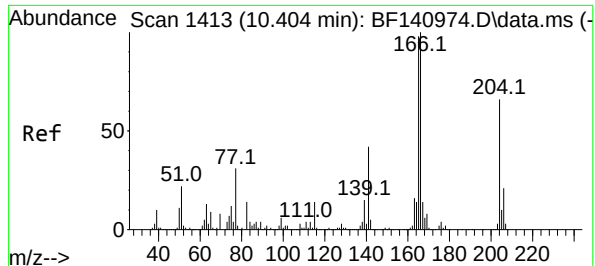
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#60
Diethylphthalate
Concen: 56.895 ng
RT: 10.292 min Scan# 1394
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:149 Resp: 2016065
Ion Ratio Lower Upper
149 100
177 23.6 18.3 27.5
150 13.0 10.4 15.6





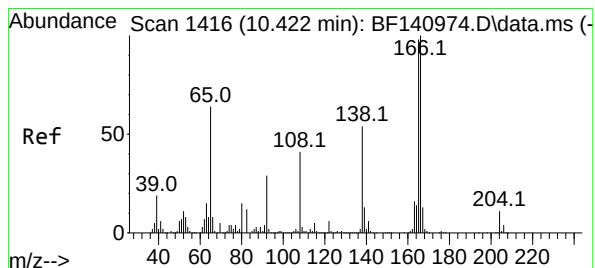
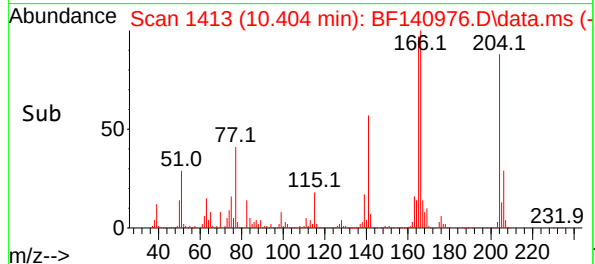
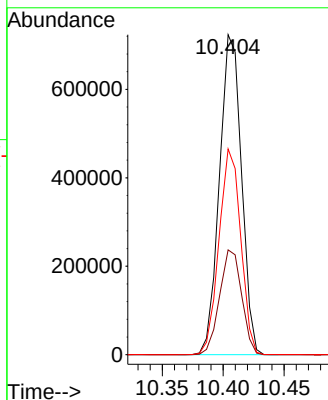
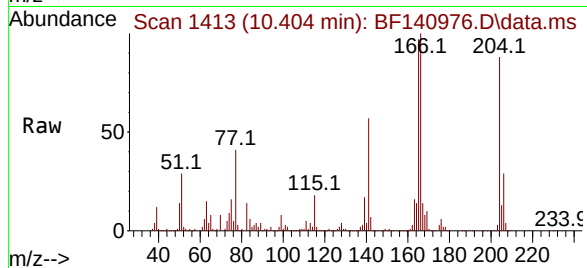
#61
4-Chlorophenyl-phenylether
Concen: 55.139 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:204 Resp: 91184
Ion Ratio Lower Upper
204 100
206 32.8 25.8 38.6
141 64.3 51.2 76.8

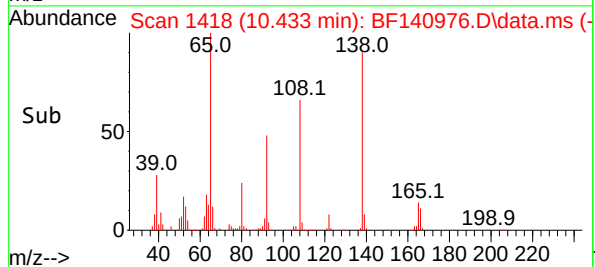
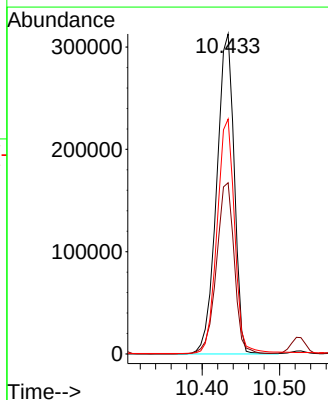
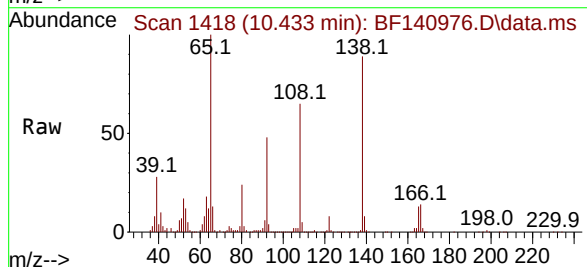
Manual Integrations
APPROVED

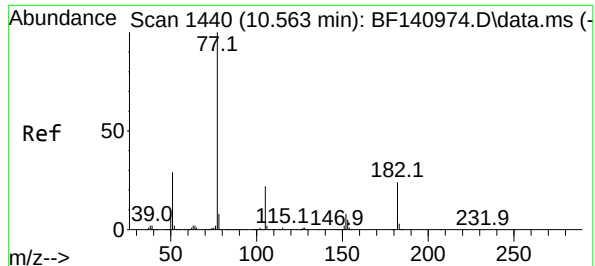
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#62
4-Nitroaniline
Concen: 60.999 ng
RT: 10.433 min Scan# 1418
Delta R.T. 0.011 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

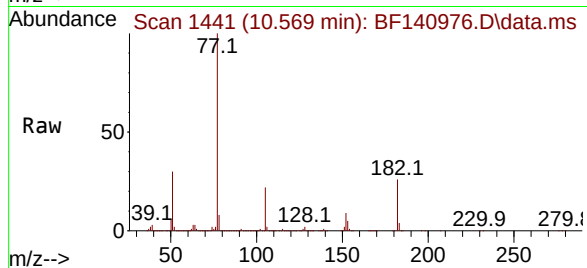
Tgt Ion:138 Resp: 492850
Ion Ratio Lower Upper
138 100
92 53.5 34.8 74.8
108 73.4 55.9 95.9





#63
Azobenzene
Concen: 56.916 ng
RT: 10.569 min Scan# 1440
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

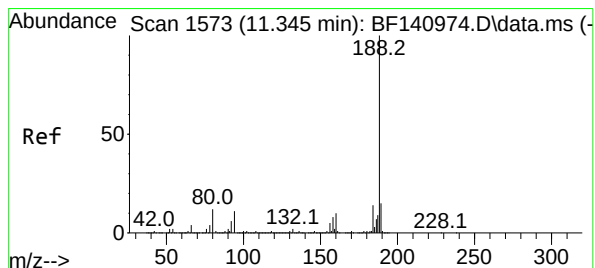
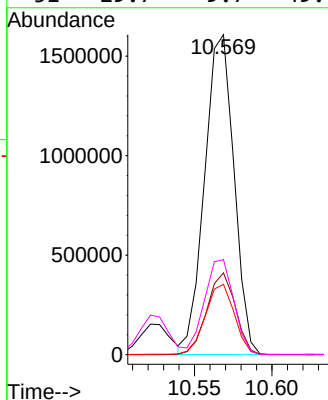
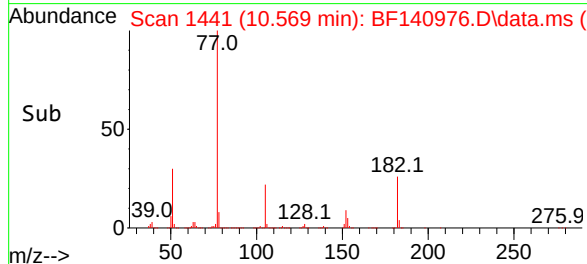
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion: 77 Resp: 211688
Ion Ratio Lower Upper
77 100
182 25.6 4.1 44.1
105 22.0 1.8 41.8
51 29.7 9.7 49.7

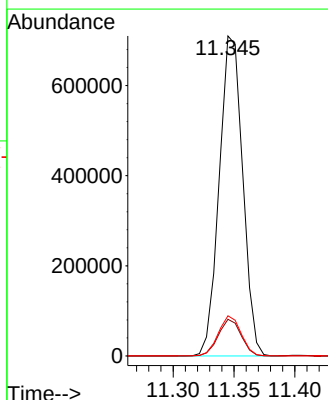
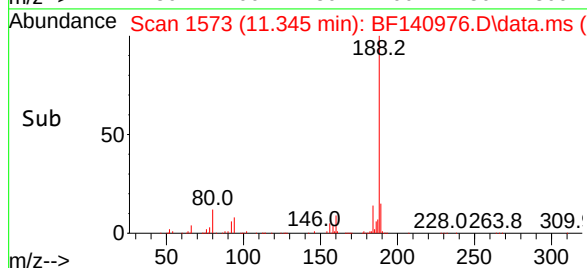
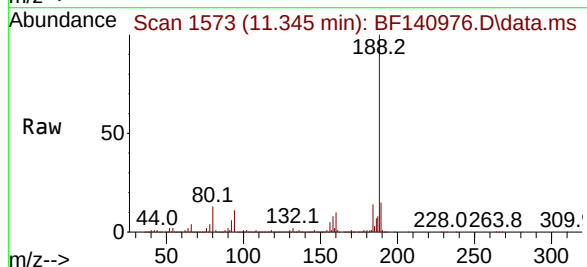
Manual Integrations
APPROVED

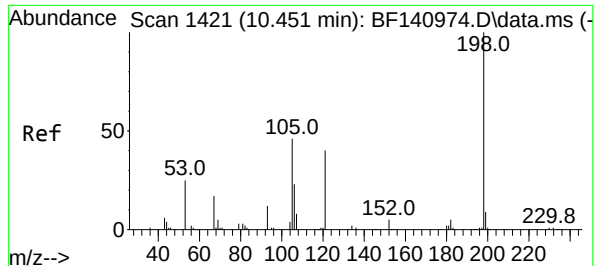
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1573
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:188 Resp: 952375
Ion Ratio Lower Upper
188 100
94 11.5 9.0 13.6
80 12.5 9.8 14.6





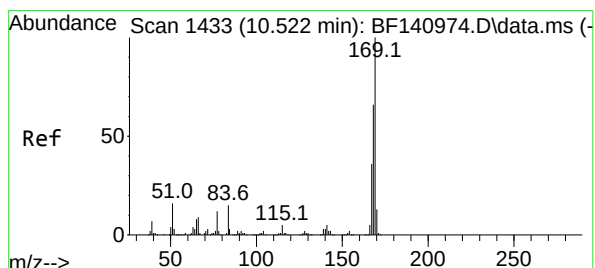
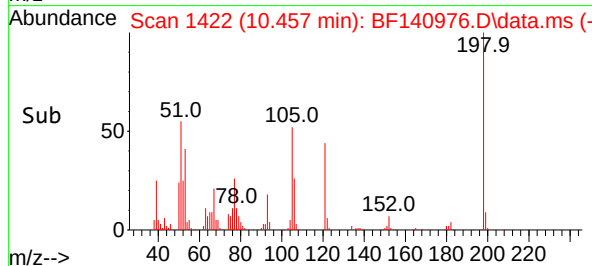
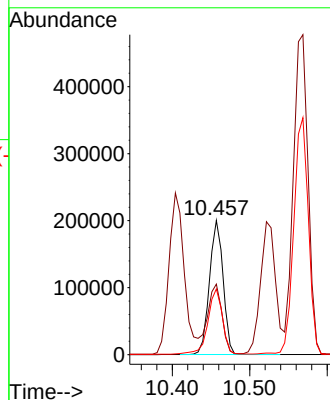
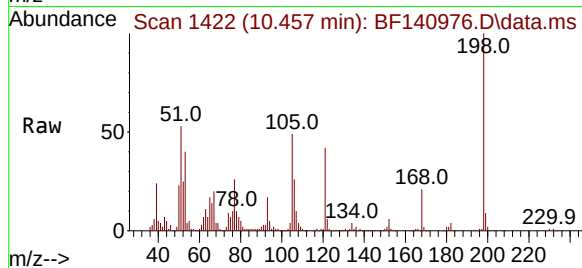
#65
4,6-Dinitro-2-methylphenol
Concen: 61.133 ng
RT: 10.457 min Scan# 1421
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:198 Resp: 24418
Ion Ratio Lower Upper
198 100
51 52.6 32.3 72.3
105 49.0 28.4 68.4

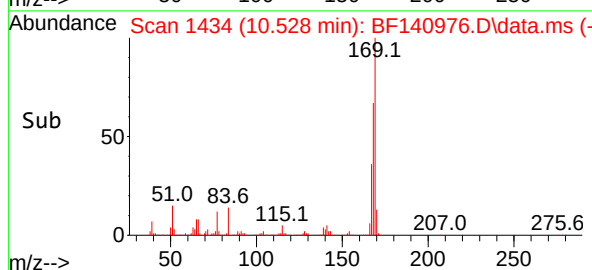
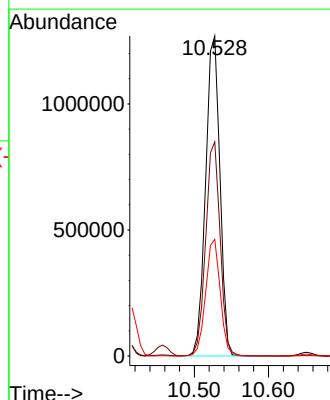
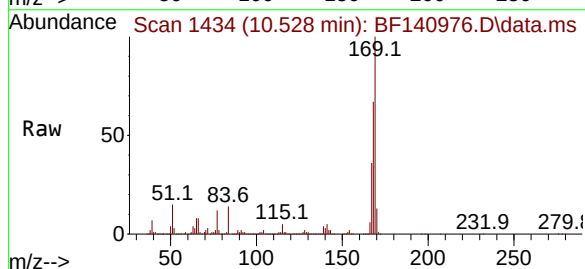
Manual Integrations
APPROVED

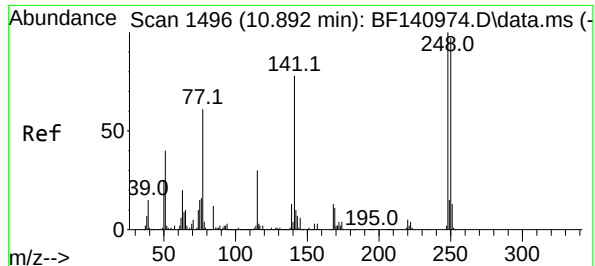
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#66
n-Nitrosodiphenylamine
Concen: 56.660 ng
RT: 10.528 min Scan# 1434
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

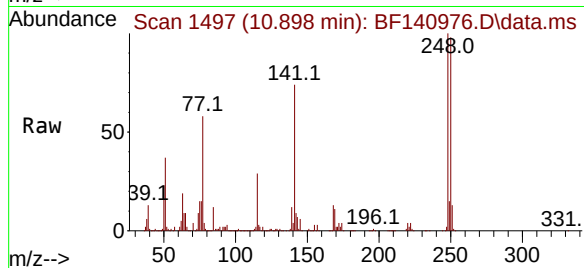
Tgt Ion:169 Resp: 1699227
Ion Ratio Lower Upper
169 100
168 66.9 52.6 79.0
167 36.5 29.0 43.4





#67
4-Bromophenyl-phenylether
Concen: 55.225 ng
RT: 10.898 min Scan# 1496
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

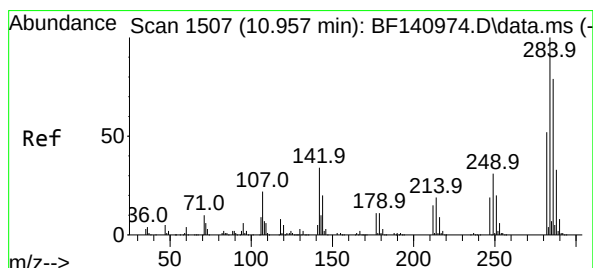
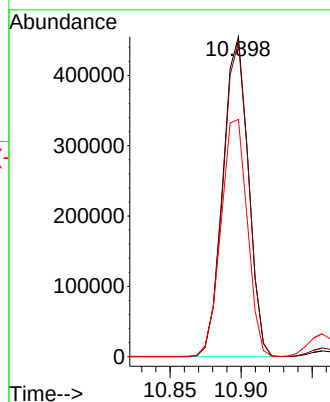
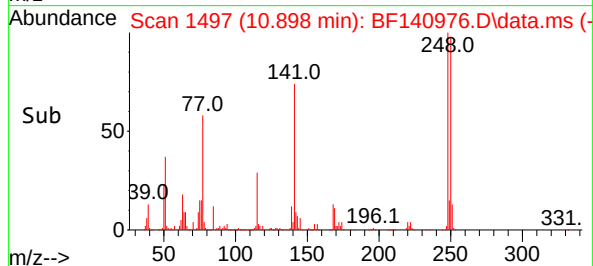
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:248 Resp: 568559
Ion Ratio Lower Upper
248 100
250 98.4 77.7 116.5
141 74.2 62.1 93.1

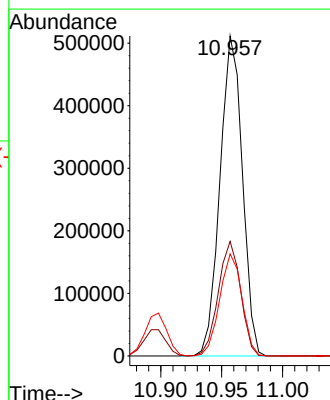
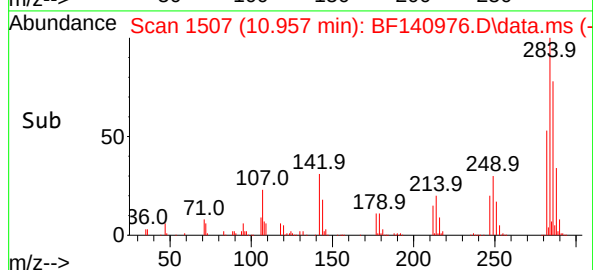
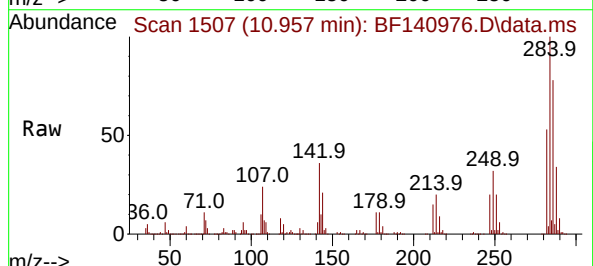
Manual Integrations
APPROVED

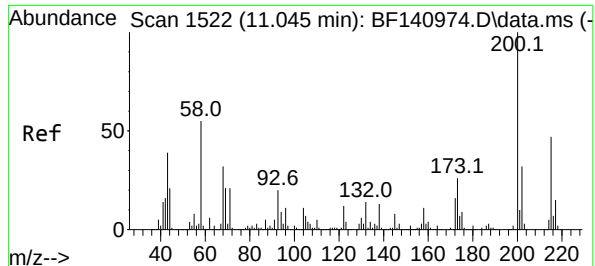
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#68
Hexachlorobenzene
Concen: 57.748 ng
RT: 10.957 min Scan# 1507
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:284 Resp: 655571
Ion Ratio Lower Upper
284 100
142 35.8 27.1 40.7
249 31.9 25.1 37.7





#69

Atrazine

Concen: 47.727 ng

RT: 11.051 min Scan# 1522

Delta R.T. 0.006 min

Lab File: BF140976.D

Acq: 26 Dec 2024 18:59

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:200 Resp: 399874

Ion Ratio Lower Upper

200 100

173 26.2 6.4 46.4

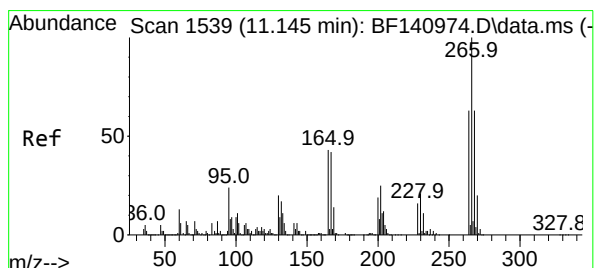
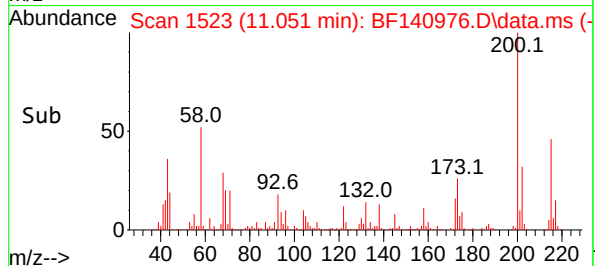
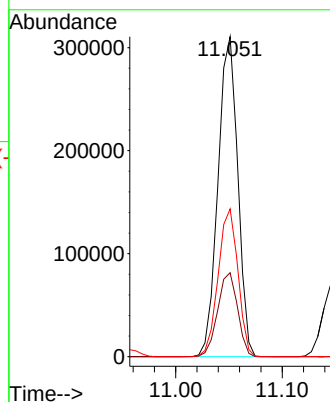
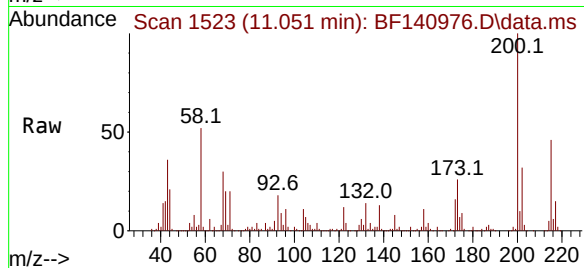
215 46.2 27.2 67.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#70

Pentachlorophenol

Concen: 65.024 ng

RT: 11.145 min Scan# 1539

Delta R.T. 0.000 min

Lab File: BF140976.D

Acq: 26 Dec 2024 18:59

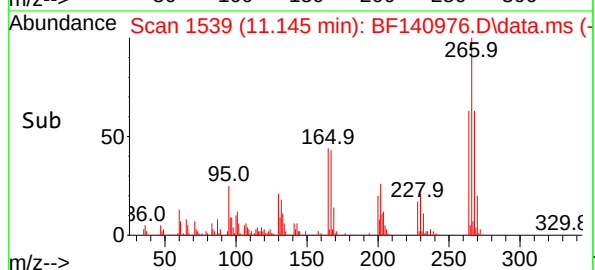
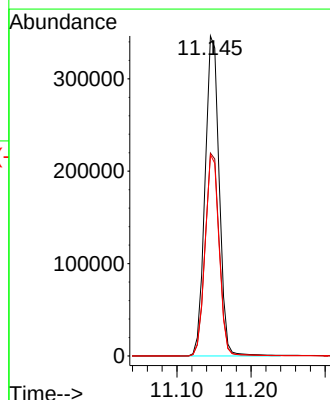
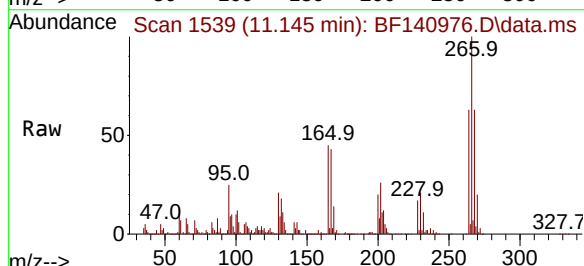
Tgt Ion:266 Resp: 459586

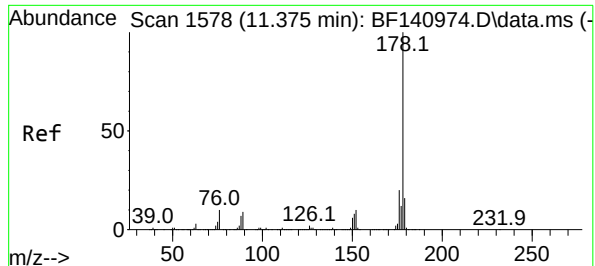
Ion Ratio Lower Upper

266 100

268 63.4 50.5 75.7

264 62.9 50.2 75.4





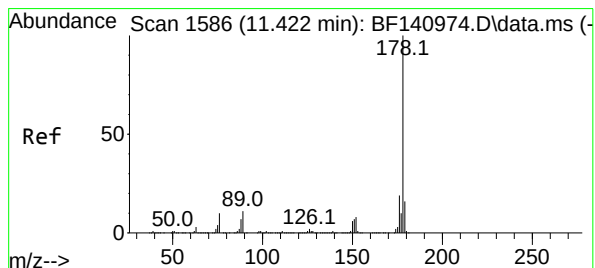
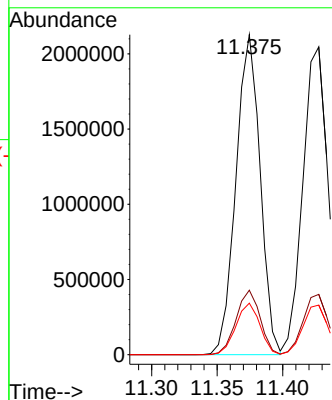
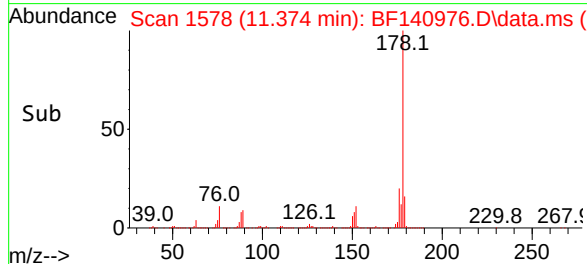
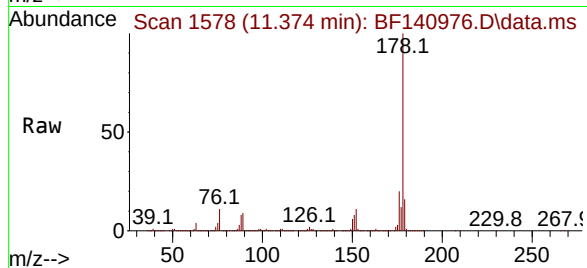
#71
Phenanthrene
Concen: 54.589 ng
RT: 11.374 min Scan# 1578
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:178 Resp: 273624
Ion Ratio Lower Upper
178 100
176 20.2 15.8 23.6
179 16.1 12.6 19.0

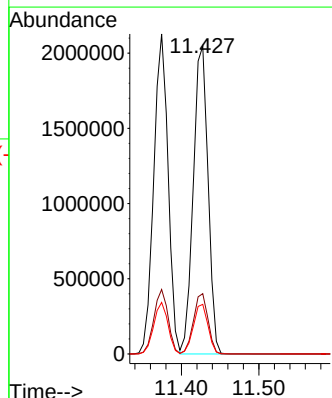
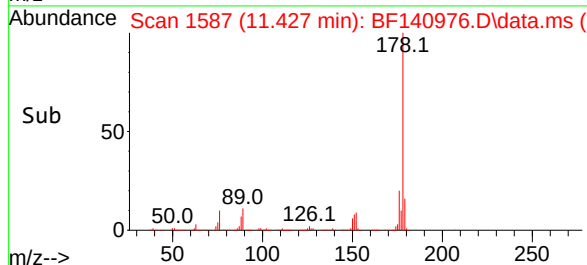
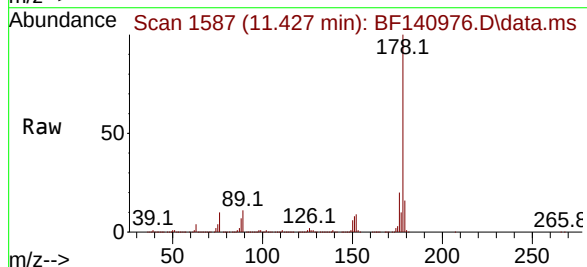
Manual Integrations
APPROVED

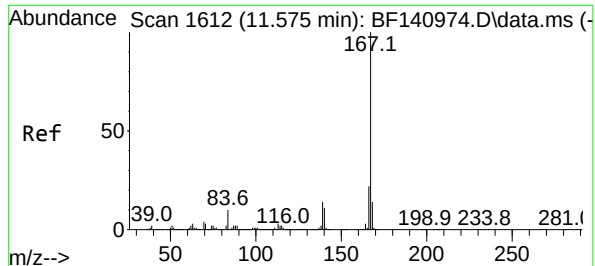
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#72
Anthracene
Concen: 54.978 ng
RT: 11.427 min Scan# 1587
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

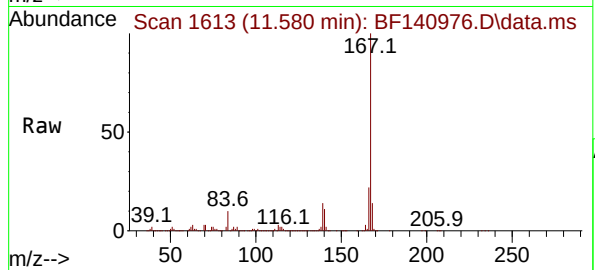
Tgt Ion:178 Resp: 2700285
Ion Ratio Lower Upper
178 100
176 19.6 15.3 22.9
179 16.1 12.9 19.3





#73
Carbazole
Concen: 54.876 ng
RT: 11.580 min Scan# 1612
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

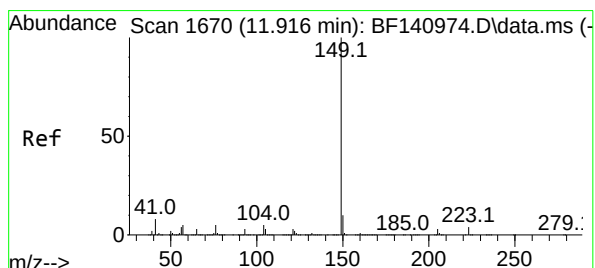
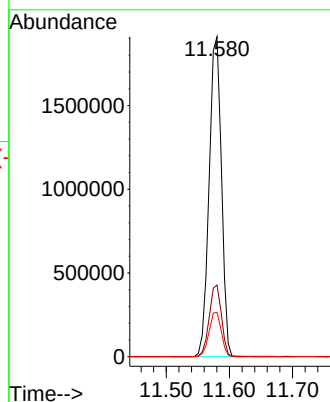
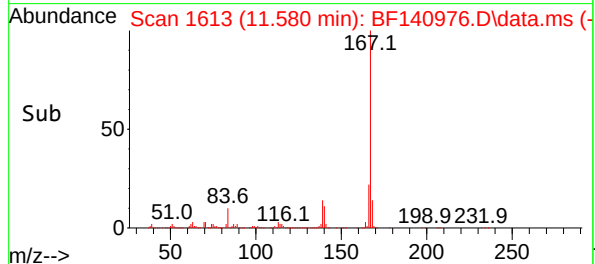
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:167 Resp: 2591020
Ion Ratio Lower Upper
167 100
166 22.4 17.5 26.3
139 13.9 11.0 16.4

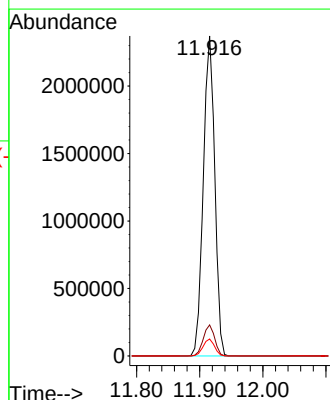
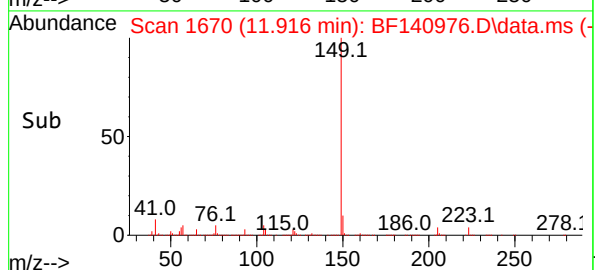
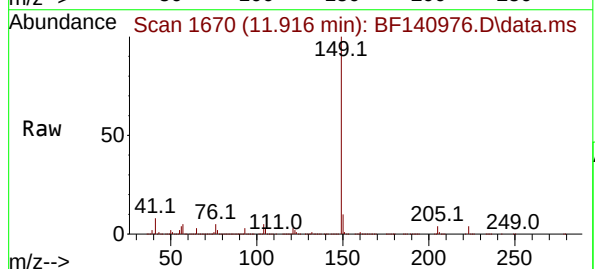
Manual Integrations
APPROVED

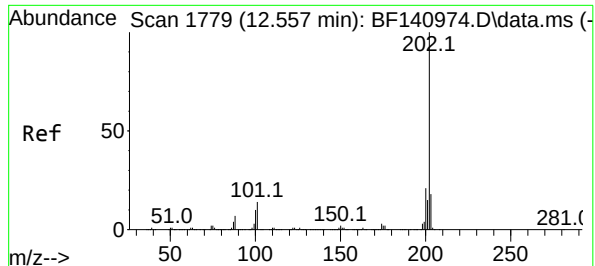
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#74
Di-n-butylphthalate
Concen: 55.537 ng
RT: 11.916 min Scan# 1670
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

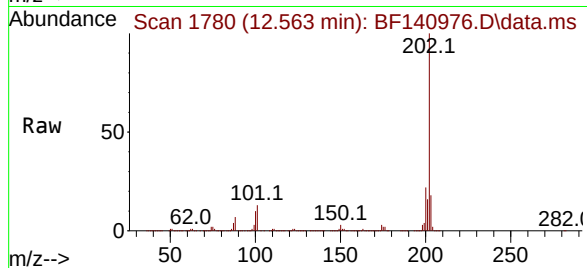
Tgt Ion:149 Resp: 2982533
Ion Ratio Lower Upper
149 100
150 9.7 7.7 11.5
104 5.3 4.1 6.1





#75
Fluoranthene
Concen: 54.394 ng
RT: 12.563 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

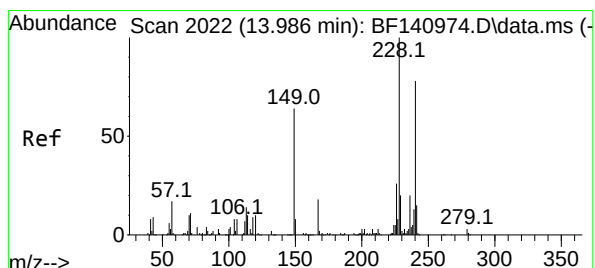
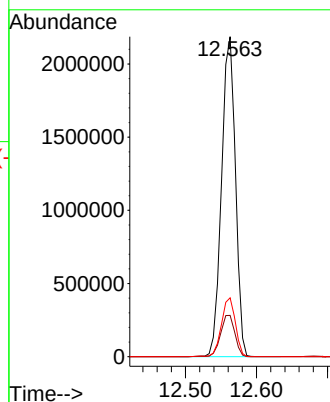
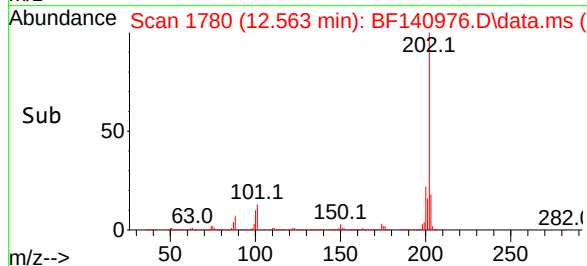
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:202 Resp: 295704
Ion Ratio Lower Upper
202 100
101 12.9 0.0 33.7
203 18.4 0.0 38.1

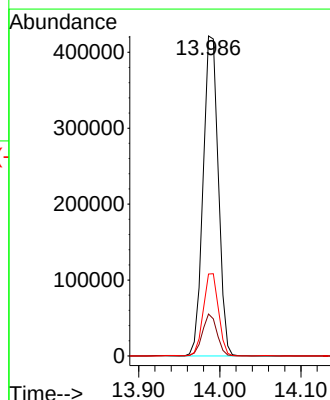
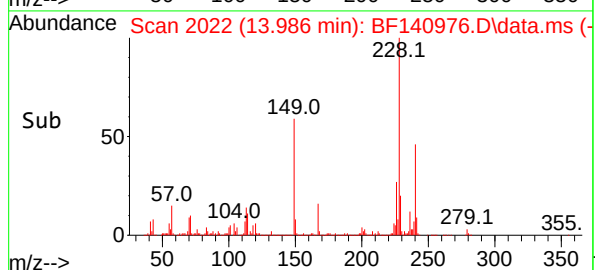
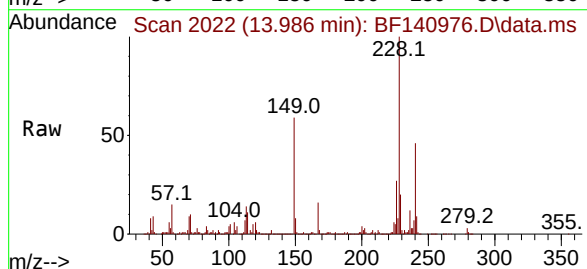
Manual Integrations
APPROVED

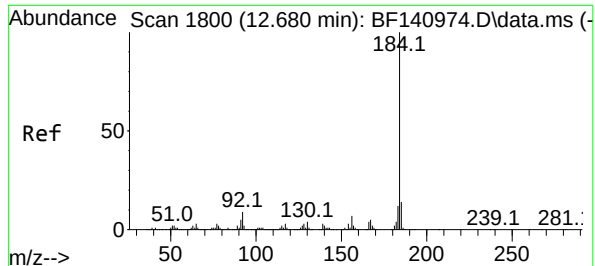
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

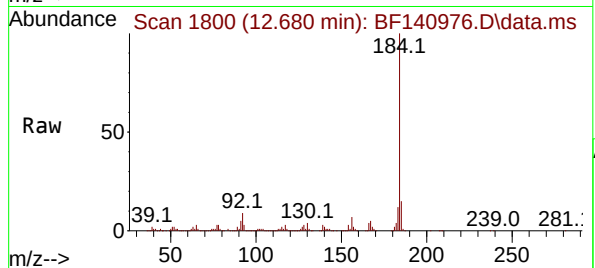
Tgt Ion:240 Resp: 546797
Ion Ratio Lower Upper
240 100
120 13.1 10.7 16.1
236 25.6 20.6 31.0





#77
Benzidine
Concen: 72.741 ng
RT: 12.680 min Scan# 1800
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

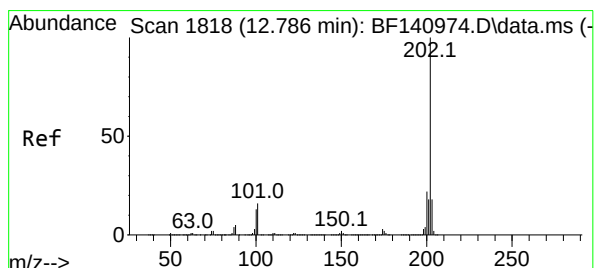
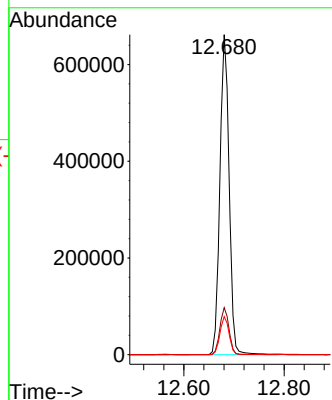
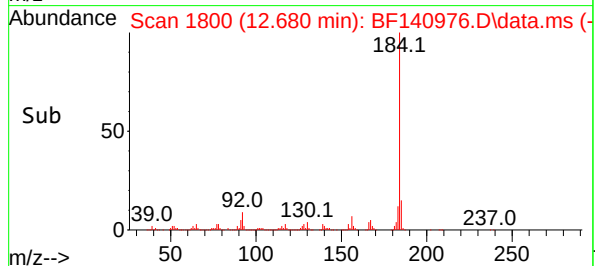
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:184 Resp: 840598
Ion Ratio Lower Upper
184 100
185 14.7 11.4 17.2
183 11.9 9.4 14.0

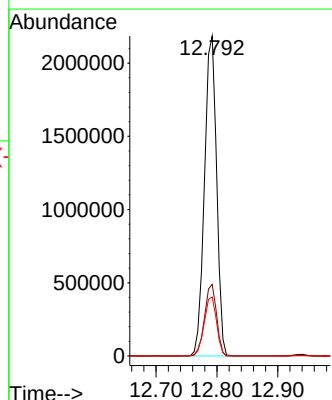
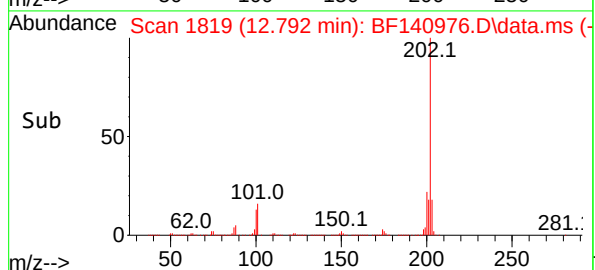
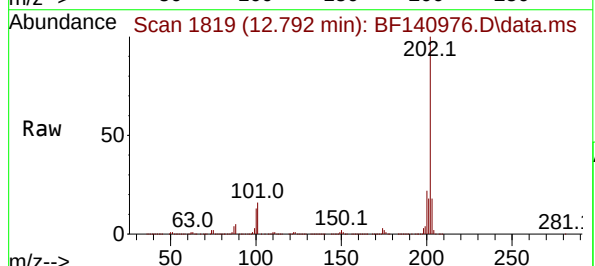
Manual Integrations
APPROVED

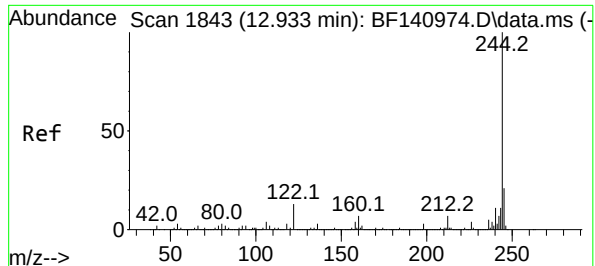
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#78
Pyrene
Concen: 63.146 ng
RT: 12.792 min Scan# 1819
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:202 Resp: 3019750
Ion Ratio Lower Upper
202 100
200 22.3 17.3 25.9
203 18.5 14.6 21.8





#79

Terphenyl-d14

Concen: 123.586 ng

RT: 12.939 min Scan# 1844

Delta R.T. 0.006 min

Lab File: BF140976.D

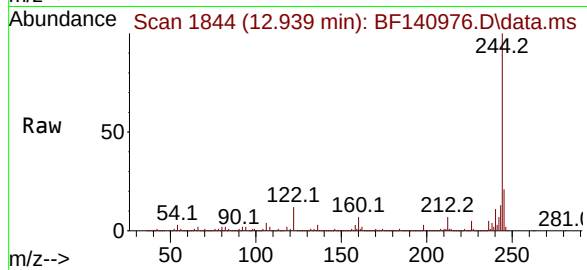
Acq: 26 Dec 2024 18:59

Instrument :

BNA_F

ClientSampleId :

SSTDICC060



Tgt Ion:244 Resp: 4068420

Ion Ratio Lower Upper

244 100

212 7.2 5.7 8.5

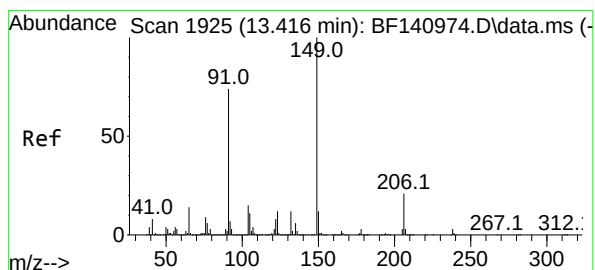
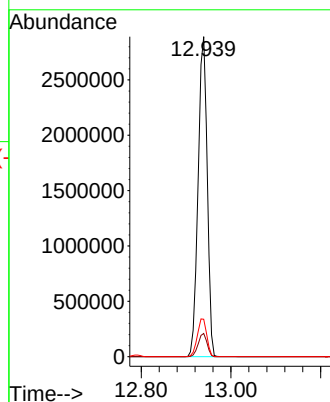
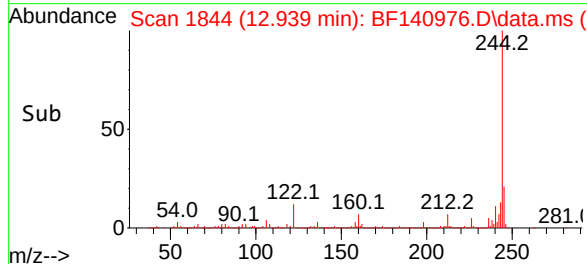
122 11.7 10.2 15.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#80

Butylbenzylphthalate

Concen: 66.663 ng

RT: 13.416 min Scan# 1925

Delta R.T. -0.000 min

Lab File: BF140976.D

Acq: 26 Dec 2024 18:59

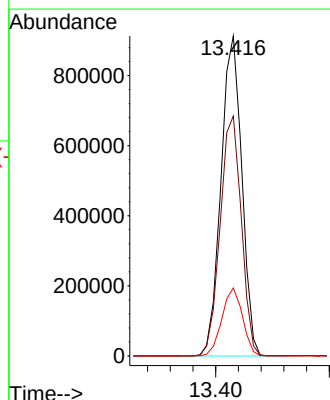
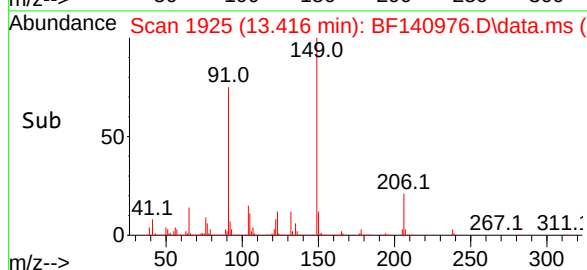
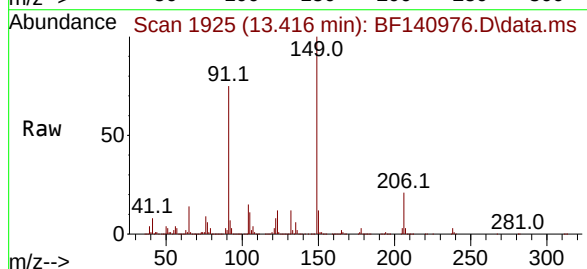
Tgt Ion:149 Resp: 1164076

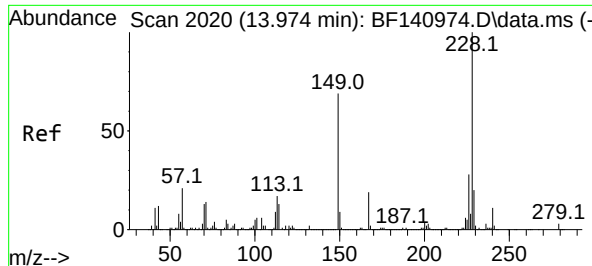
Ion Ratio Lower Upper

149 100

91 75.0 59.5 89.3

206 21.3 17.1 25.7





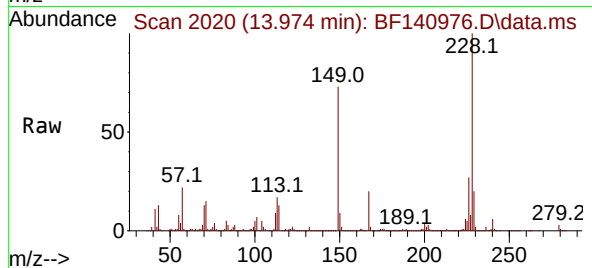
#81
Benzo(a)anthracene
Concen: 57.454 ng
RT: 13.974 min Scan# 2015
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

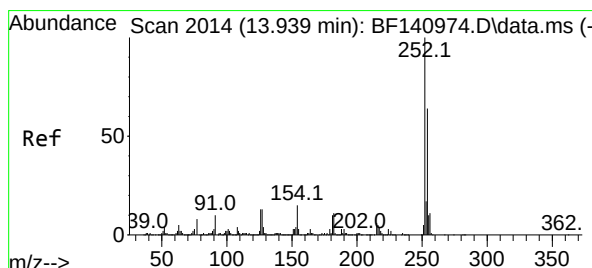
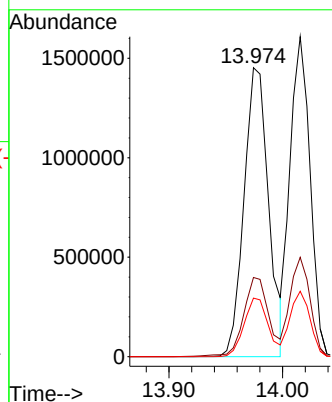
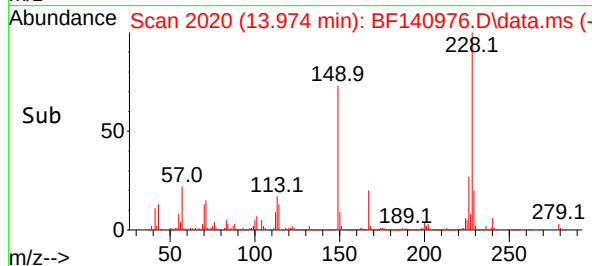


Tgt Ion:228 Resp: 2189499
Ion Ratio Lower Upper
228 100
226 27.4 22.1 33.1
229 20.3 16.2 24.2

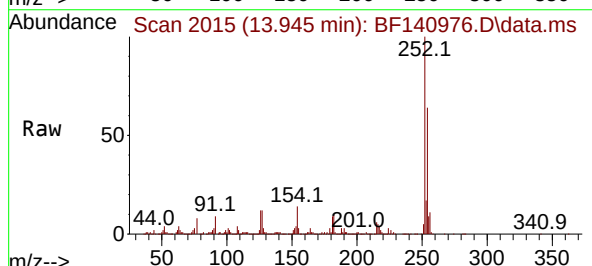
Manual Integrations

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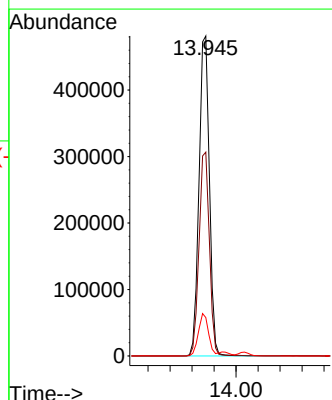
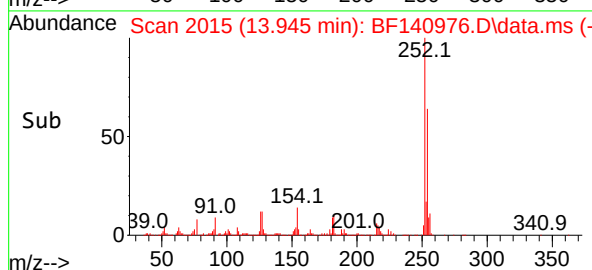
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

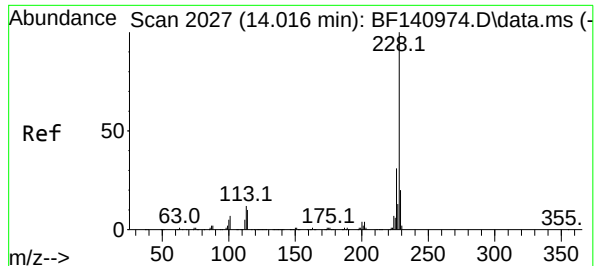


#82
3,3'-Dichlorobenzidine
Concen: 55.291 ng
RT: 13.945 min Scan# 2015
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59



Tgt Ion:252 Resp: 633054
Ion Ratio Lower Upper
252 100
254 63.7 51.5 77.3
126 12.0 10.3 15.5





#83

Chrysene

Concen: 57.618 ng

RT: 14.015 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF140976.D

Acq: 26 Dec 2024 18:59

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:228 Resp: 1979370

Ion Ratio Lower Upper

228 100

226 31.0 24.5 36.7

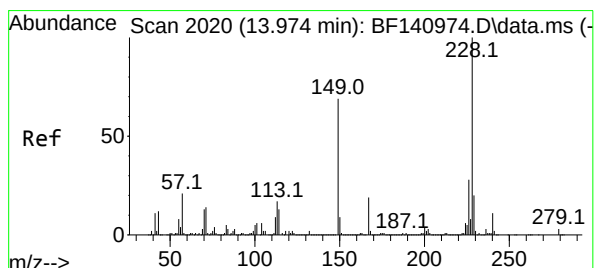
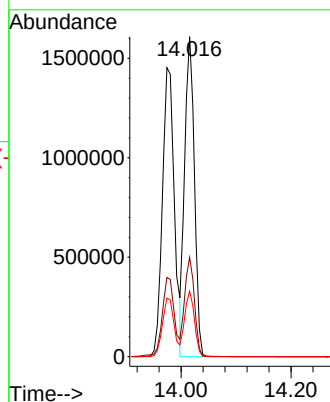
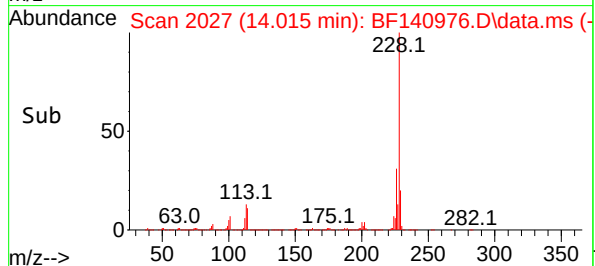
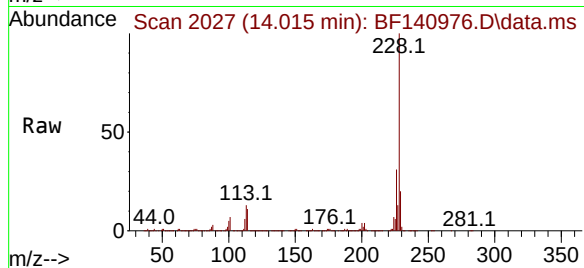
229 20.5 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 60.602 ng

RT: 13.974 min Scan# 2020

Delta R.T. -0.000 min

Lab File: BF140976.D

Acq: 26 Dec 2024 18:59

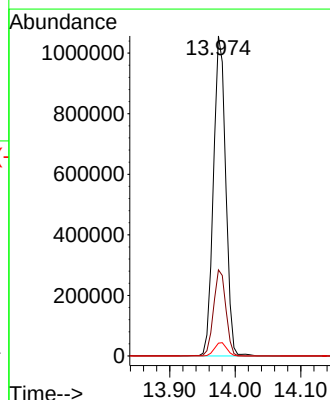
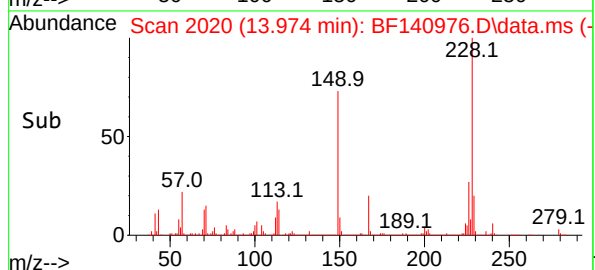
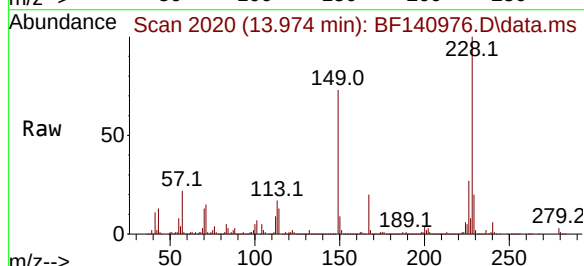
Tgt Ion:149 Resp: 1372706

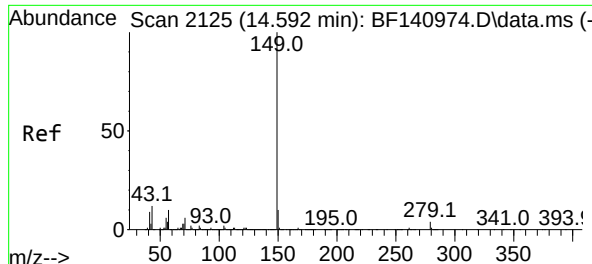
Ion Ratio Lower Upper

149 100

167 26.9 21.6 32.4

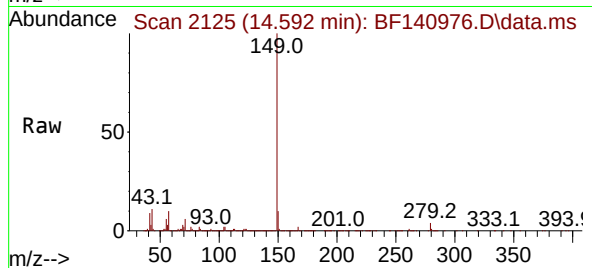
279 4.0 3.2 4.8





#85
Di-n-octyl phthalate
Concen: 59.679 ng
RT: 14.592 min Scan# 2125
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

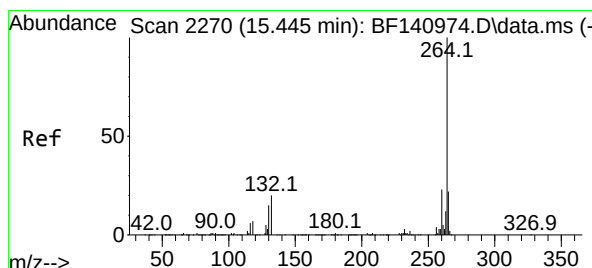
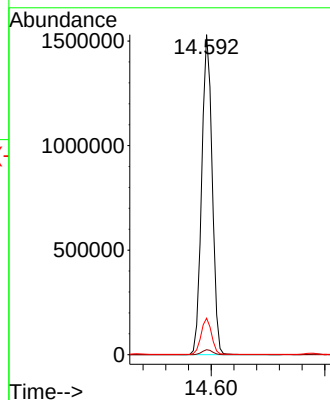
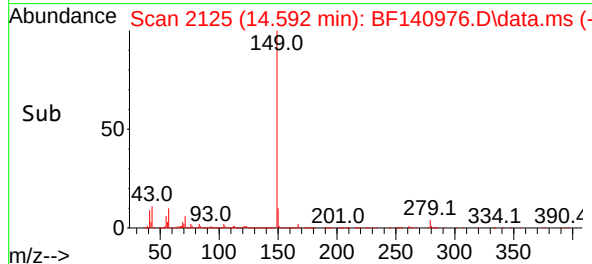
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:149 Resp: 1956498
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 11.3 9.3 13.9

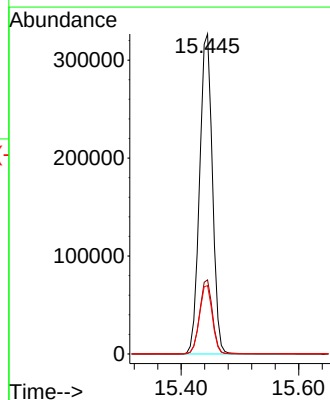
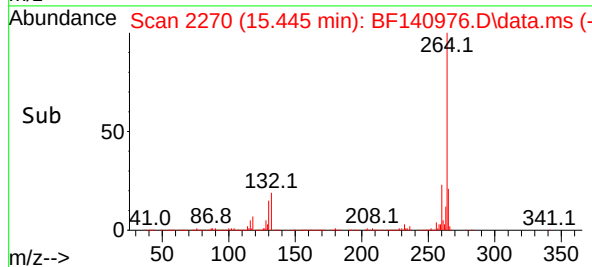
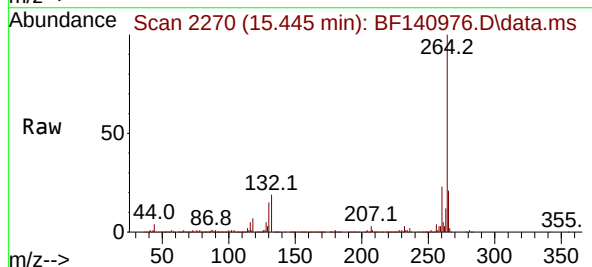
Manual Integrations
APPROVED

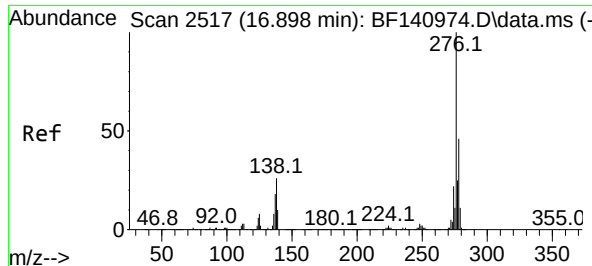
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 2270
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:264 Resp: 494154
Ion Ratio Lower Upper
264 100
260 23.2 18.7 28.1
265 21.3 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 68.495 ng

RT: 16.898 min Scan# 2197

Delta R.T. -0.000 min

Lab File: BF140976.D

Acq: 26 Dec 2024 18:59

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:276 Resp: 2132438

Ion Ratio Lower Upper

276 100

138 28.5 23.1 34.7

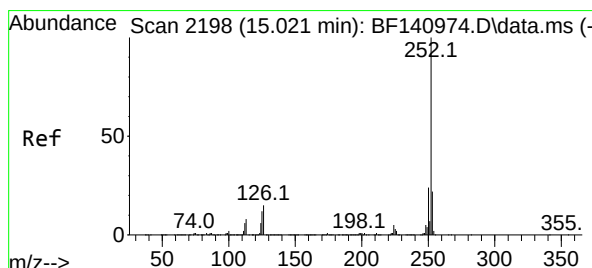
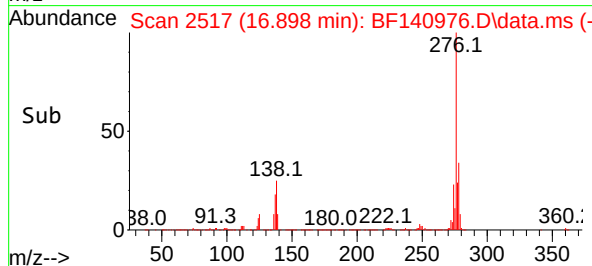
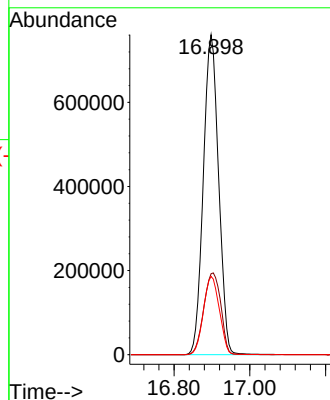
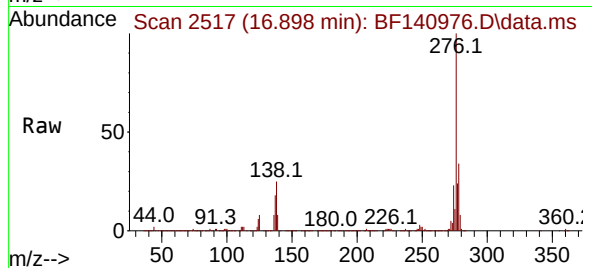
277 25.5 20.4 30.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#88

Benzo(b)fluoranthene

Concen: 58.595 ng

RT: 15.021 min Scan# 2198

Delta R.T. -0.000 min

Lab File: BF140976.D

Acq: 26 Dec 2024 18:59

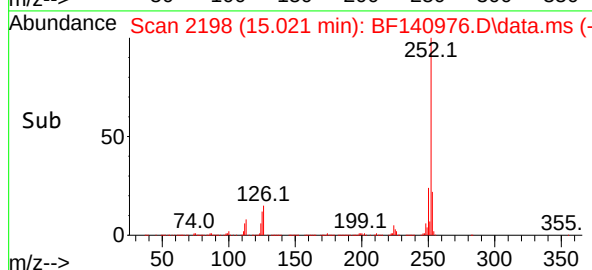
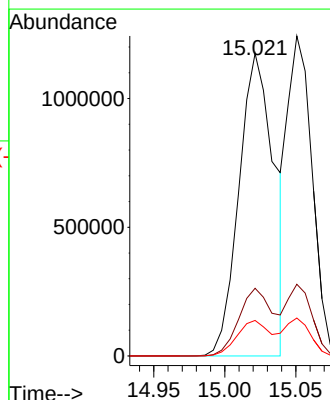
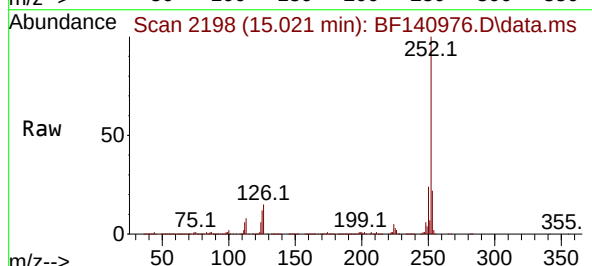
Tgt Ion:252 Resp: 2019420

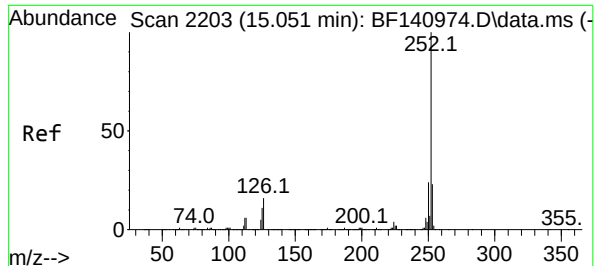
Ion Ratio Lower Upper

252 100

253 22.4 17.7 26.5

125 11.7 9.3 13.9





#89

Benzo(k)fluoranthene

Concen: 55.778 ng

RT: 15.051 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF140976.D

Acq: 26 Dec 2024 18:59

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:252 Resp: 150668

Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.8

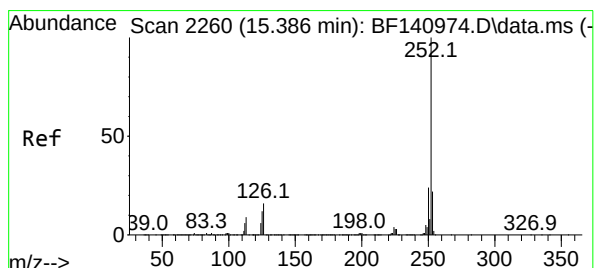
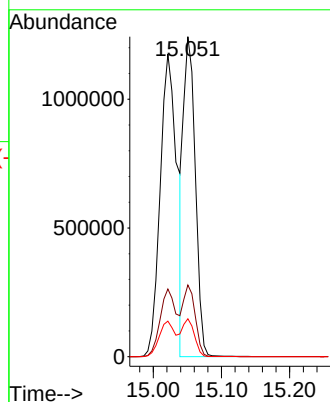
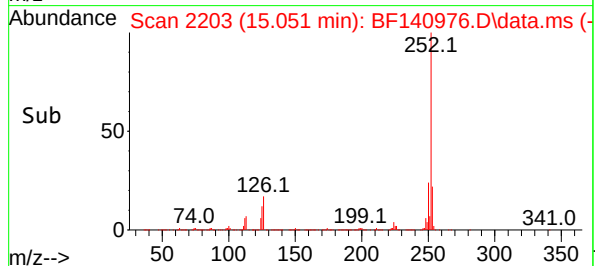
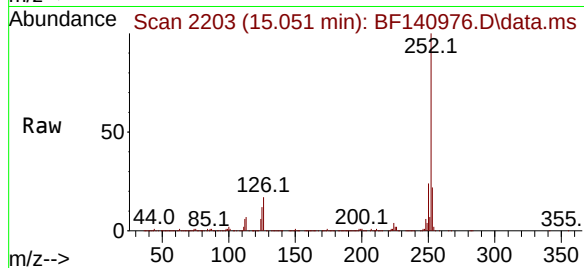
125 11.9 9.4 14.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#90

Benzo(a)pyrene

Concen: 59.020 ng

RT: 15.380 min Scan# 2259

Delta R.T. -0.006 min

Lab File: BF140976.D

Acq: 26 Dec 2024 18:59

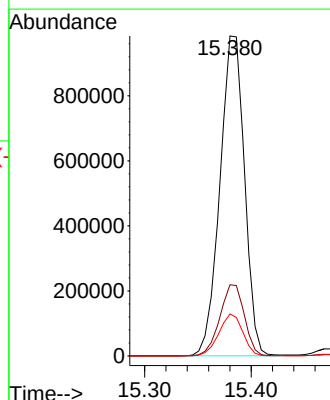
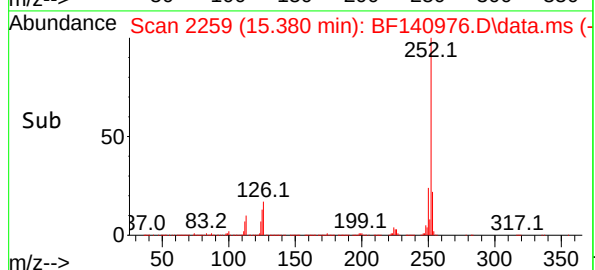
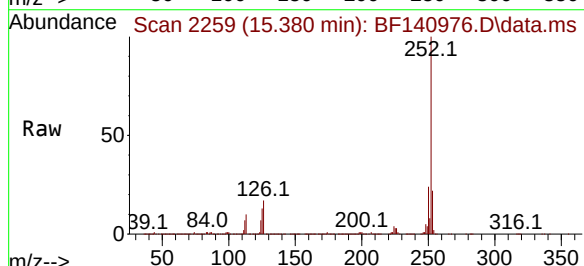
Tgt Ion:252 Resp: 1578812

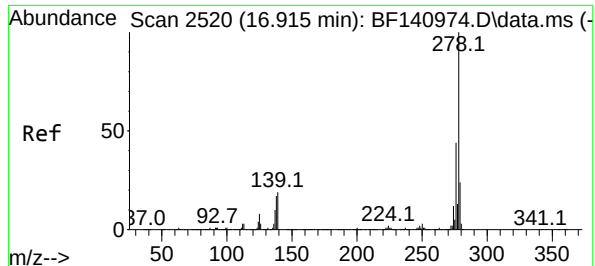
Ion Ratio Lower Upper

252 100

253 22.3 17.2 25.8

125 13.1 9.8 14.8





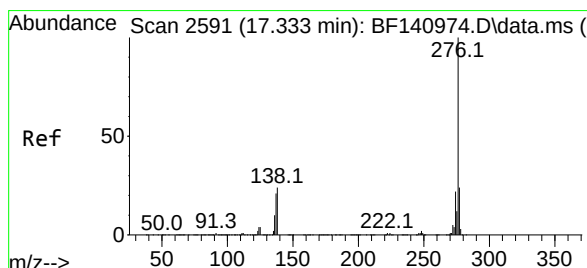
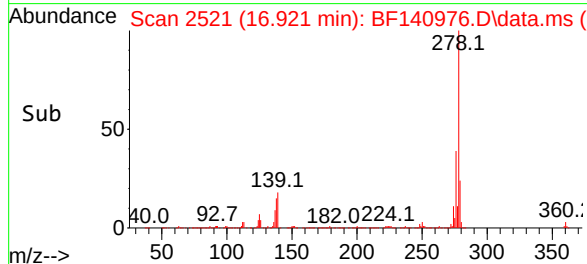
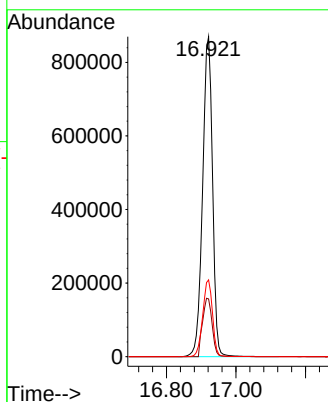
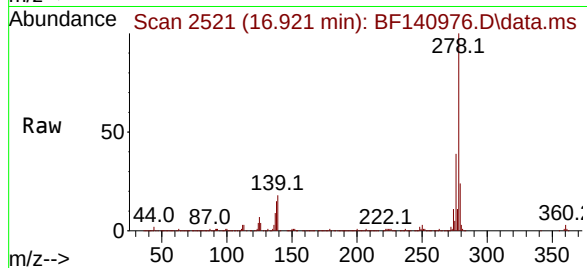
#91
Dibenzo(a,h)anthracene
Concen: 68.425 ng
RT: 16.921 min Scan# 2520
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:278 Resp: 1726815
Ion Ratio Lower Upper
278 100
139 18.1 14.9 22.3
279 24.0 19.0 28.6

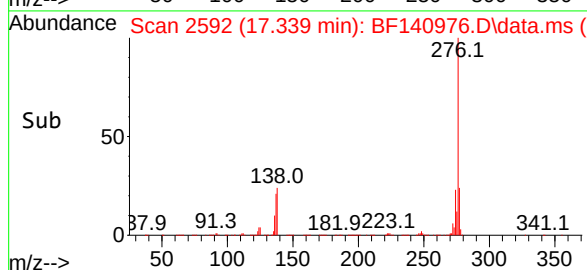
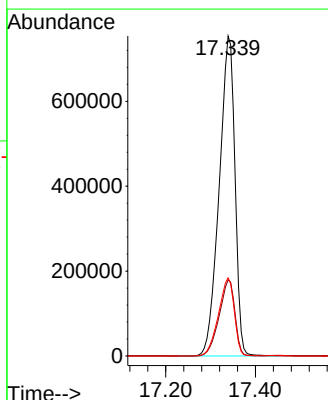
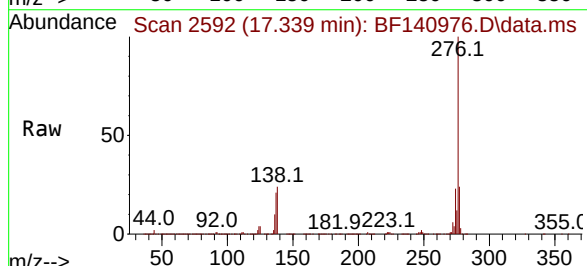
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#92
Benzo(g,h,i)perylene
Concen: 70.421 ng
RT: 17.339 min Scan# 2592
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:276 Resp: 1843269
Ion Ratio Lower Upper
276 100
277 23.8 19.0 28.4
138 24.4 19.4 29.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
 Data File : BF140977.D
 Acq On : 26 Dec 2024 19:25
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024

Quant Time: Dec 27 00:27:43 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Dec 27 00:11:18 2024

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	256235	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	977409	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	517561	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	905973	20.000	ng	0.00
76) Chrysene-d12	13.992	240	487461	20.000	ng	0.00
86) Perylene-d12	15.445	264	520884	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	2368484	139.333	ng	0.00
7) Phenol-d6	6.457	99	3074263	140.390	ng	0.00
23) Nitrobenzene-d5	7.398	82	2604239	170.465	ng	0.00
42) 2,4,6-Tribromophenol	10.657	330	822230	163.492	ng	0.00
45) 2-Fluorobiphenyl	9.187	172	4166122	128.248	ng	0.00
79) Terphenyl-d14	12.939	244	4715646	160.683	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.552	88	572464	74.386	ng	100
3) Pyridine	3.305	79	1340918	71.297	ng	100
4) n-Nitrosodimethylamine	3.263	42	724146	75.991	ng	100
6) Aniline	6.534	93	1154312m	59.104	ng	
8) 2-Chlorophenol	6.616	128	1257135	70.145	ng	99
10) Phenol	6.475	94	1587534	70.111	ng	95
11) bis(2-Chloroethyl)ether	6.575	93	1392292m	76.224	ng	
12) 1,3-Dichlorobenzene	6.775	146	1375754	69.557	ng	99
13) 1,4-Dichlorobenzene	6.851	146	1392839	69.856	ng	100
14) 1,2-Dichlorobenzene	7.004	146	1265701	68.084	ng	99
15) Benzyl Alcohol	6.975	79	1122638	71.342	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.110	45	1929216	69.775	ng	99
17) 2-Methylphenol	7.081	107	1092114	73.350	ng	99
18) Hexachloroethane	7.345	117	520192	73.443	ng	97
19) n-Nitroso-di-n-propyla...	7.257	70	941090	70.150	ng	99
20) 3+4-Methylphenols	7.240	107	1265999	67.191	ng	# 85
22) Acetophenone	7.245	105	1646630	68.675	ng	# 95
24) Nitrobenzene	7.422	77	1399699	81.994	ng	97
25) Isophorone	7.657	82	2454830	73.842	ng	99
26) 2-Nitrophenol	7.728	139	593981	80.829	ng	96
27) 2,4-Dimethylphenol	7.763	122	900268	74.098	ng	99
28) bis(2-Chloroethoxy)met...	7.869	93	1499425	71.188	ng	99
29) 2,4-Dichlorophenol	7.969	162	1033455	74.999	ng	99
30) 1,2,4-Trichlorobenzene	8.057	180	1119798	71.799	ng	100
31) Naphthalene	8.140	128	3488407	67.732	ng	99
32) Benzoic acid	7.898	122	869866	80.749	ng	99
33) 4-Chloroaniline	8.192	127	1373750	73.729	ng	100
34) Hexachlorobutadiene	8.251	225	663193	72.129	ng	99
35) Caprolactam	8.569	113	369167	78.800	ng	100
36) 4-Chloro-3-methylphenol	8.657	107	1144506	74.790	ng	98
37) 2-Methylnaphthalene	8.822	142	2270301	68.904	ng	100
38) 1-Methylnaphthalene	8.922	142	2231397	68.910	ng	100
40) 1,2,4,5-Tetrachloroben...	8.987	216	1015621	71.328	ng	100
41) Hexachlorocyclopentadiene	8.975	237	373217	79.096	ng	100
43) 2,4,6-Trichlorophenol	9.098	196	733660	77.418	ng	100
44) 2,4,5-Trichlorophenol	9.134	196	735644	75.868	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
 Data File : BF140977.D
 Acq On : 26 Dec 2024 19:25
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024

Quant Time: Dec 27 00:27:43 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Dec 27 00:11:18 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	9.292	154	2671996	67.425	ng	99
47) 2-Chloronaphthalene	9.316	162	2134444	69.446	ng	99
48) 2-Nitroaniline	9.404	65	672379	80.177	ng	97
49) Acenaphthylene	9.728	152	3058781	69.133	ng	98
50) Dimethylphthalate	9.592	163	2454844	72.109	ng	99
51) 2,6-Dinitrotoluene	9.651	165	571642	79.723	ng	100
52) Acenaphthene	9.904	154	2125174	71.048	ng	99
53) 3-Nitroaniline	9.822	138	618458	79.606	ng	# 94
54) 2,4-Dinitrophenol	9.922	184	217487	79.264	ng	# 1
55) Dibenzofuran	10.075	168	2876315	68.424	ng	99
56) 4-Nitrophenol	9.969	139	520450	89.372	ng	97
57) 2,4-Dinitrotoluene	10.051	165	704156	79.614	ng	97
58) Fluorene	10.416	166	2204698	67.635	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.186	232	624965	77.824	ng	99
60) Diethylphthalate	10.292	149	2431548	72.349	ng	99
61) 4-Chlorophenyl-phenyle...	10.410	204	1077930	68.724	ng	98
62) 4-Nitroaniline	10.439	138	622110	80.074	ng	97
63) Azobenzene	10.569	77	2525786	71.600	ng	99
65) 4,6-Dinitro-2-methylph...	10.463	198	323476	81.463	ng	98
66) n-Nitrosodiphenylamine	10.528	169	2022411	70.890	ng	99
67) 4-Bromophenyl-phenylether	10.898	248	713807	72.884	ng	99
68) Hexachlorobenzene	10.963	284	798823	73.971	ng	99
70) Pentachlorophenol	11.151	266	559728	83.248	ng	100
71) Phenanthrene	11.375	178	3286287	68.921	ng	99
72) Anthracene	11.428	178	3204142	68.578	ng	99
73) Carbazole	11.580	167	3104460	69.118	ng	99
74) Di-n-butylphthalate	11.916	149	3587776	70.229	ng	99
75) Fluoranthene	12.563	202	3500378	67.687	ng	99
77) Benzidine	12.680	184	783695	76.072	ng	99
78) Pyrene	12.792	202	3514654	82.441	ng	99
80) Butylbenzylphthalate	13.416	149	1323506	85.018	ng	98
81) Benzo(a)anthracene	13.980	228	2440118	71.825	ng	100
82) 3,3'-Dichlorobenzidine	13.945	252	735658	72.073	ng	99
83) Chrysene	14.016	228	2321200	75.793	ng	100
84) Bis(2-ethylhexyl)phtha...	13.974	149	1545595	76.541	ng	100
85) Di-n-octyl phthalate	14.598	149	2322268	79.458	ng	100
87) Indeno(1,2,3-cd)pyrene	16.904	276	2898446	88.322	ng	99
88) Benzo(b)fluoranthene	15.027	252	2657521	73.152	ng	100
89) Benzo(k)fluoranthene	15.057	252	1897702	66.649	ng	100
90) Benzo(a)pyrene	15.392	252	2098162	74.410	ng	99
91) Dibenzo(a,h)anthracene	16.927	278	2334266	87.749	ng	99
92) Benzo(g,h,i)perylene	17.351	276	2487019	90.139	ng	99

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

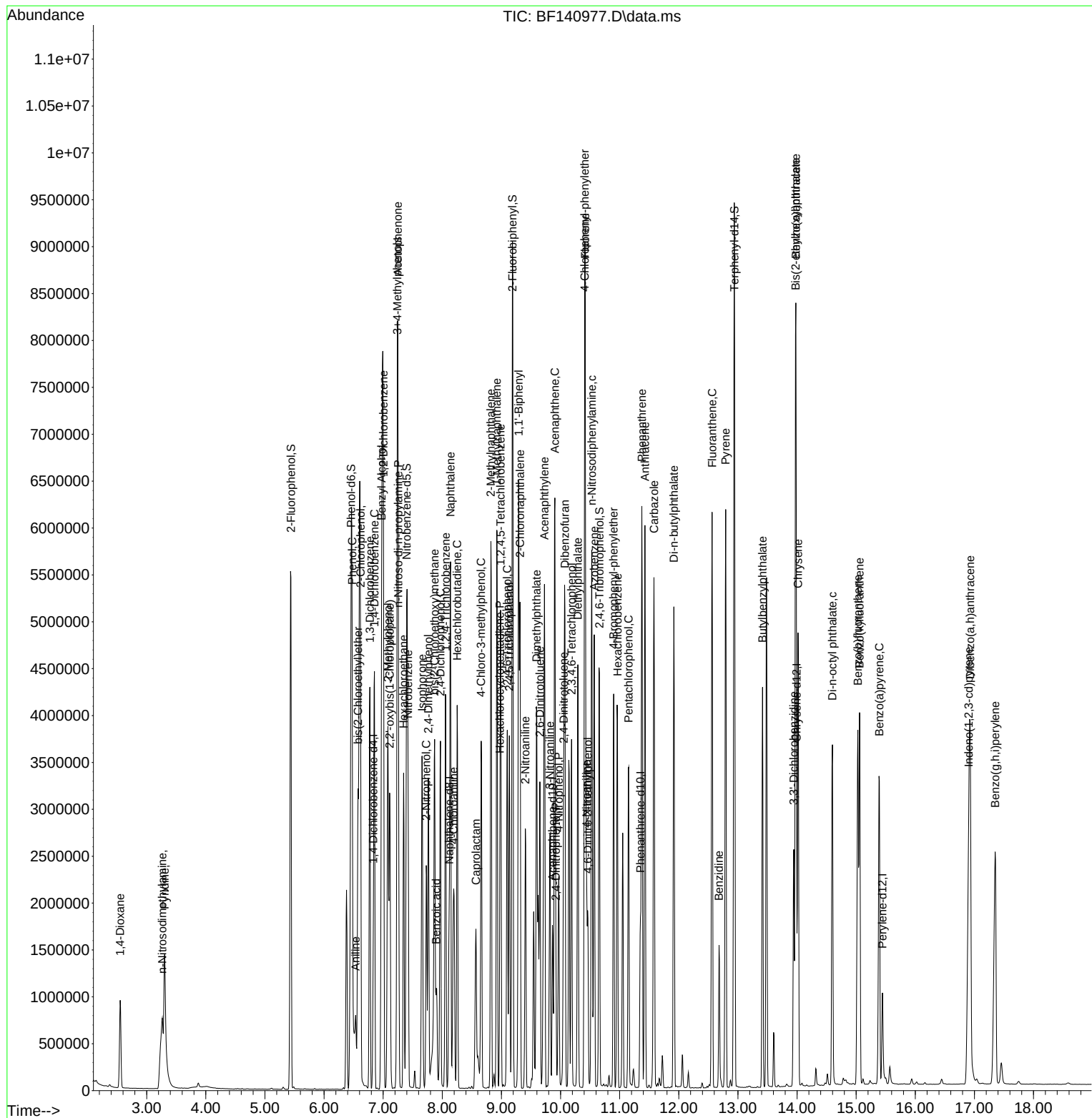
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140977.D
Acq On : 26 Dec 2024 19:25
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

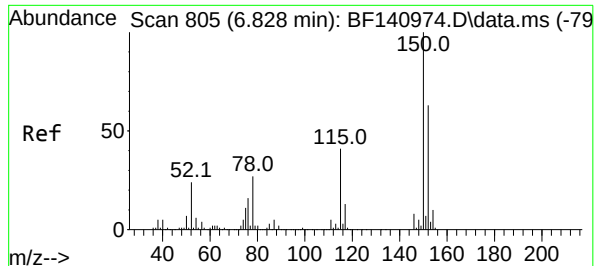
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

Quant Time: Dec 27 00:27:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:11:18 2024
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.834 min Scan# 80

Delta R.T. 0.006 min

Lab File: BF140977.D

Acq: 26 Dec 2024 19:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:152 Resp: 256235

Ion Ratio Lower Upper

152 100

150 163.7 127.0 190.6

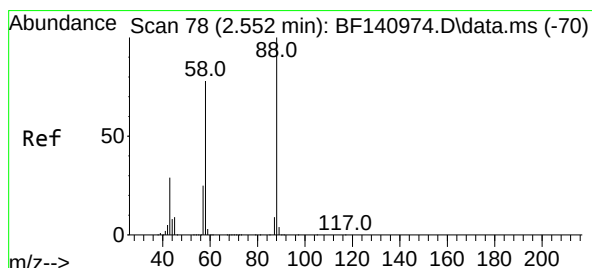
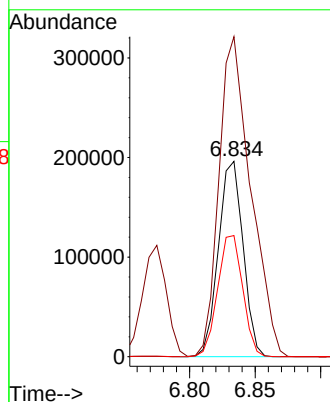
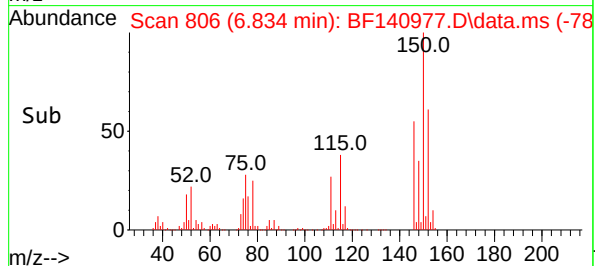
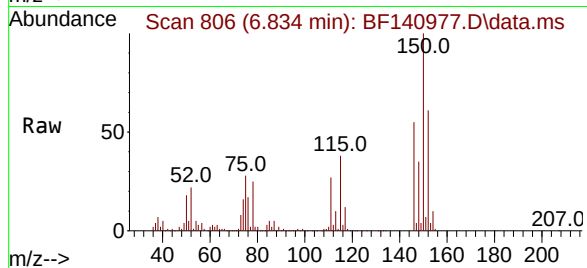
115 62.0 51.7 77.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#2

1,4-Dioxane

Concen: 74.386 ng

RT: 2.552 min Scan# 78

Delta R.T. 0.000 min

Lab File: BF140977.D

Acq: 26 Dec 2024 19:25

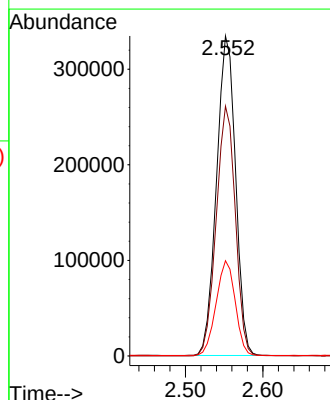
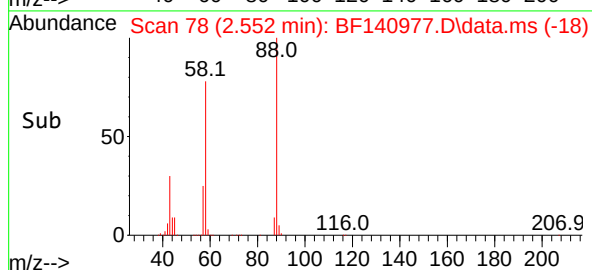
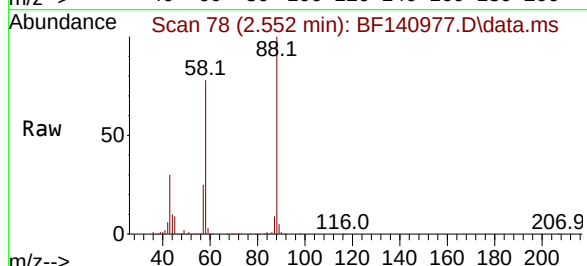
Tgt Ion: 88 Resp: 572464

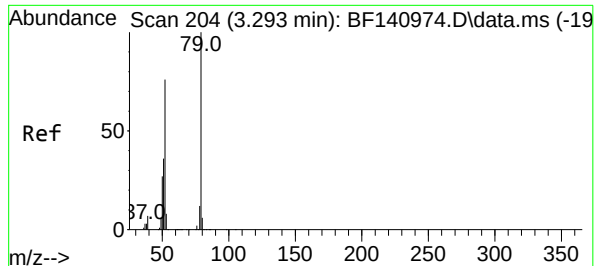
Ion Ratio Lower Upper

88 100

58 78.4 63.0 94.4

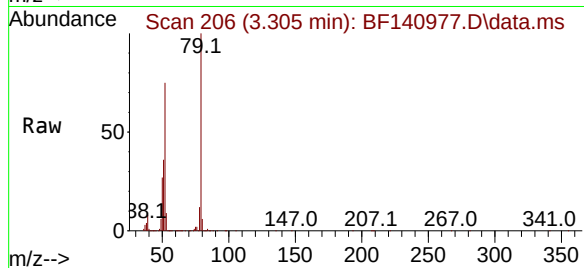
43 29.7 23.4 35.2





#3
Pyridine
Concen: 71.297 ng
RT: 3.305 min Scan# 204
Delta R.T. 0.012 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

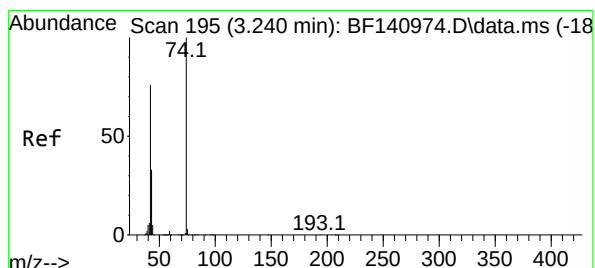
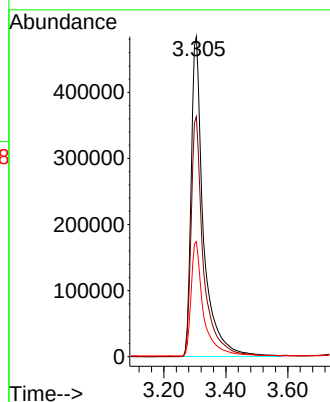
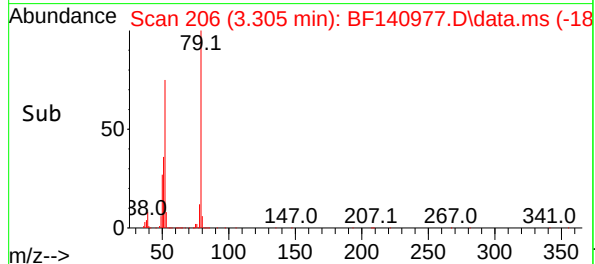
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion: 79 Resp: 1340918
Ion Ratio Lower Upper
79 100
52 75.0 60.4 90.6
51 36.0 28.8 43.2

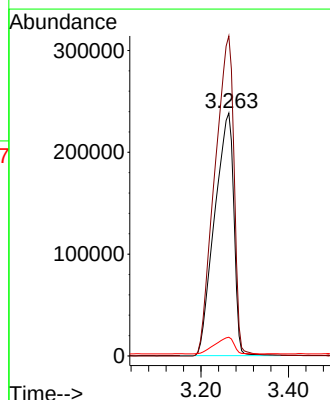
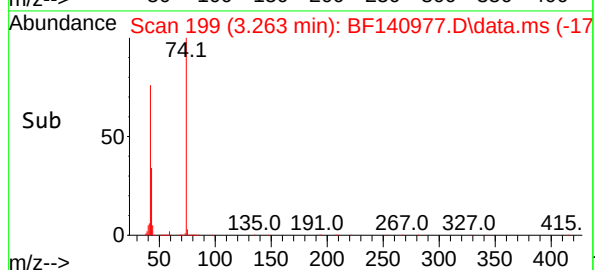
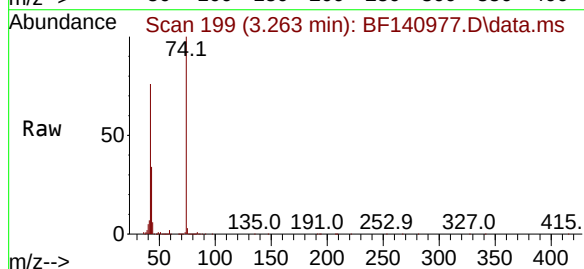
Manual Integrations
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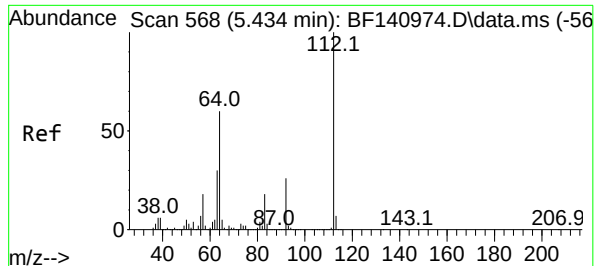
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#4
n-Nitrosodimethylamine
Concen: 75.991 ng
RT: 3.263 min Scan# 199
Delta R.T. 0.024 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

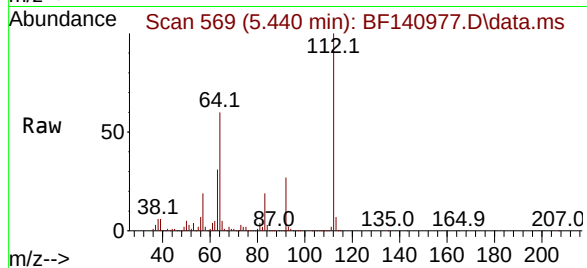
Tgt Ion: 42 Resp: 724146
Ion Ratio Lower Upper
42 100
74 131.8 105.8 158.6
44 7.7 6.6 10.0





#5
2-Fluorophenol
Concen: 139.333 ng
RT: 5.440 min Scan# 50
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

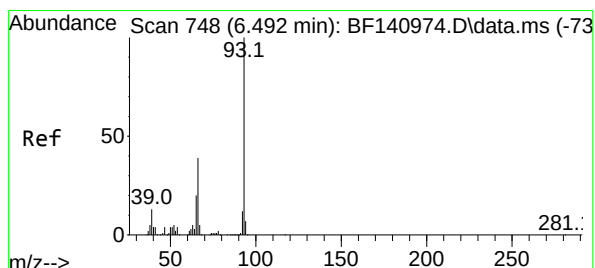
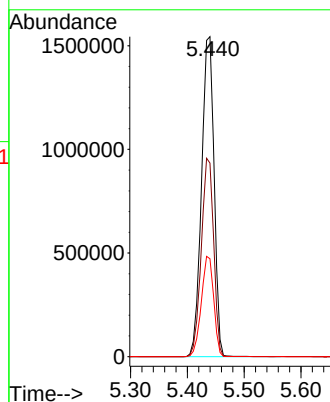
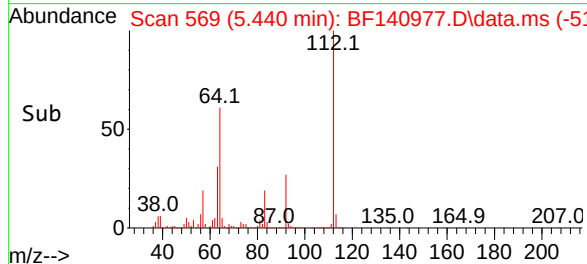
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion: 112 Resp: 2368484
Ion Ratio Lower Upper
112 100
64 60.5 47.7 71.5
63 30.6 24.2 36.2

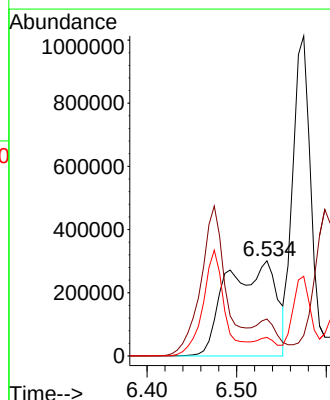
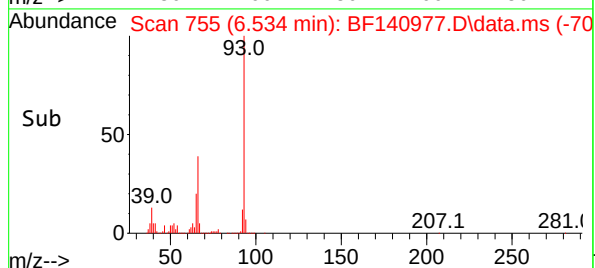
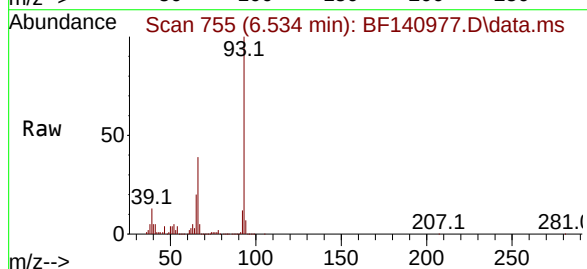
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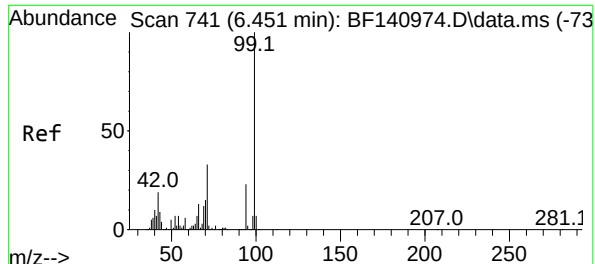
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#6
Aniline
Concen: 59.104 ng m
RT: 6.534 min Scan# 755
Delta R.T. 0.024 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion: 93 Resp: 1154312
Ion Ratio Lower Upper
93 100
66 38.8 31.8 47.8
65 19.6 15.4 23.0





#7

Phenol-d6

Concen: 140.390 ng

RT: 6.457 min Scan# 741

Delta R.T. 0.006 min

Lab File: BF140977.D

Acq: 26 Dec 2024 19:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion: 99 Resp: 307426

Ion Ratio Lower Upper

99 100

42 19.4 15.0 22.4

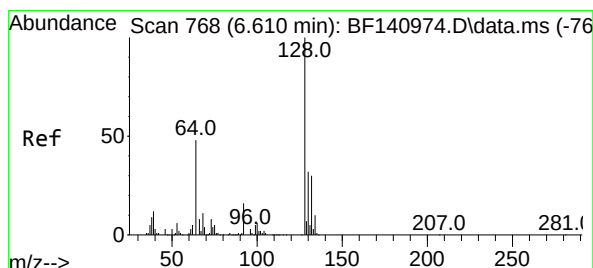
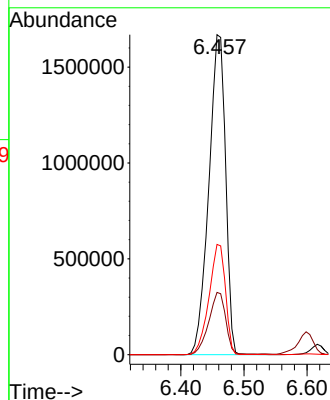
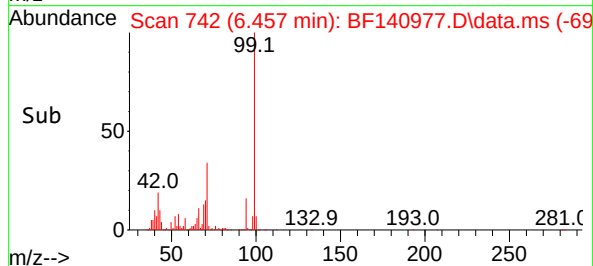
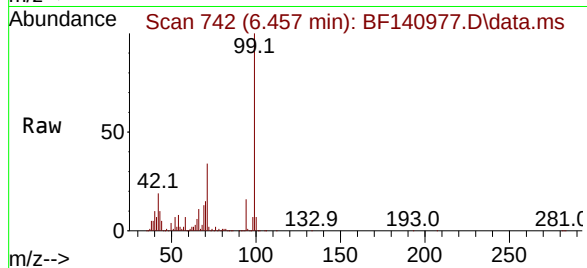
71 34.5 26.2 39.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#8

2-Chlorophenol

Concen: 70.145 ng

RT: 6.616 min Scan# 769

Delta R.T. 0.006 min

Lab File: BF140977.D

Acq: 26 Dec 2024 19:25

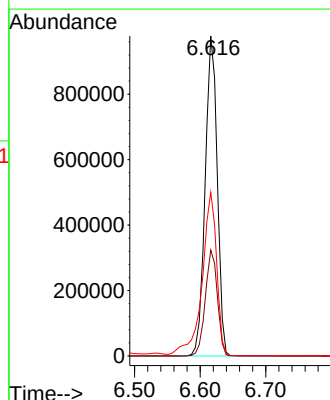
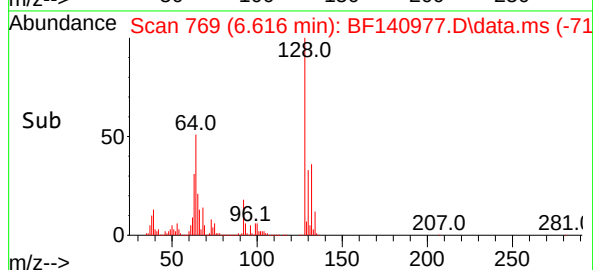
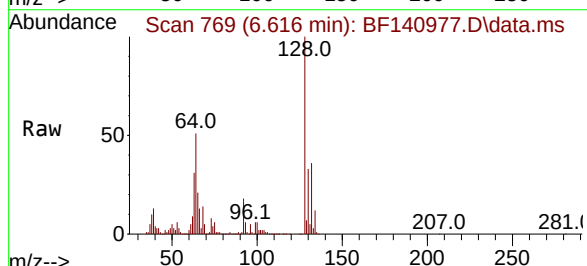
Tgt Ion:128 Resp: 1257135

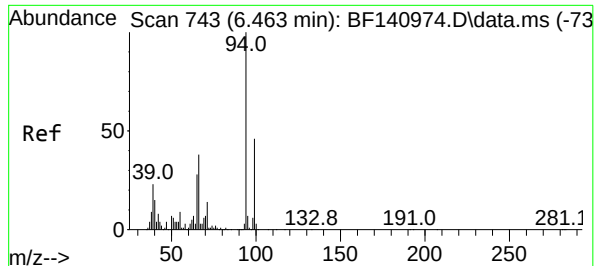
Ion Ratio Lower Upper

128 100

130 33.1 12.2 52.2

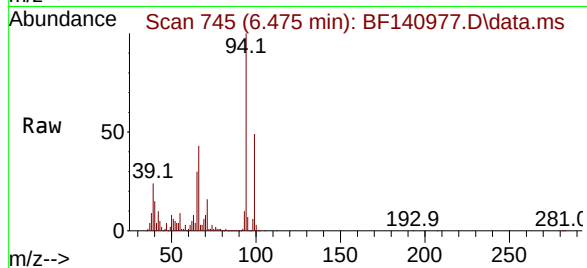
64 51.2 30.3 70.3





#10
Phenol
Concen: 70.111 ng
RT: 6.475 min Scan# 743
Delta R.T. 0.012 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

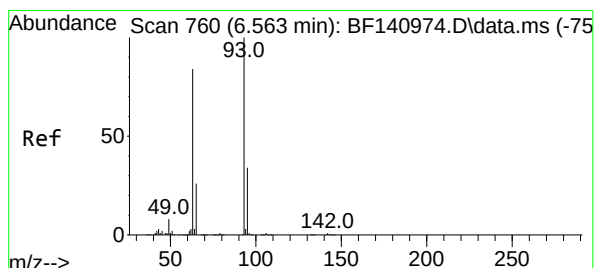
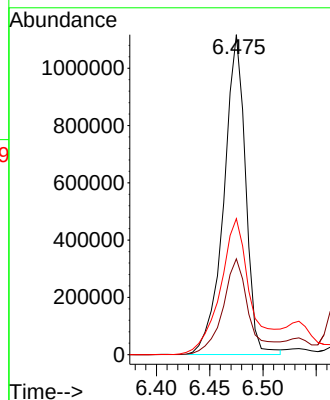
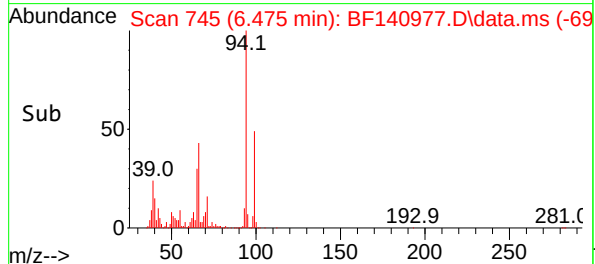
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion: 94 Resp: 1587534
Ion Ratio Lower Upper
94 100
65 29.9 8.1 48.1
66 42.5 18.7 58.7

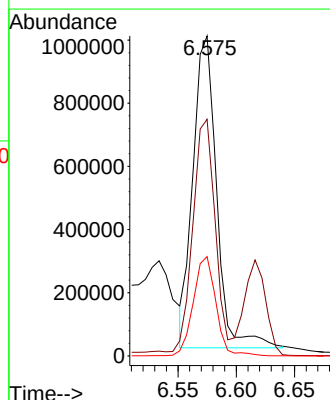
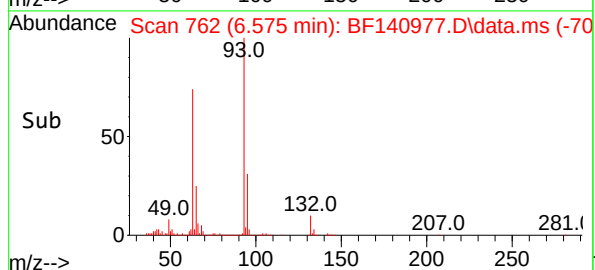
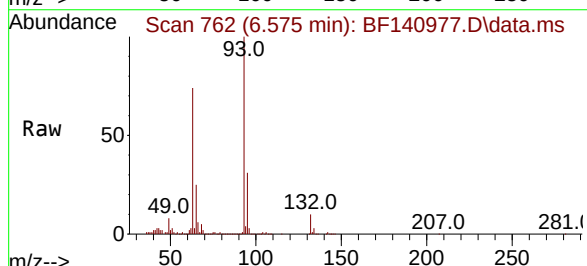
Manual Integrations
APPROVED

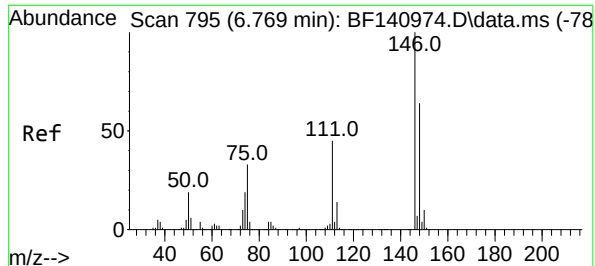
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#11
bis(2-Chloroethyl)ether
Concen: 76.224 ng m
RT: 6.575 min Scan# 762
Delta R.T. 0.012 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion: 93 Resp: 1392292
Ion Ratio Lower Upper
93 100
63 74.0 60.3 100.3
95 31.0 12.2 52.2





#12

1,3-Dichlorobenzene

Concen: 69.557 ng

RT: 6.775 min Scan# 795

Delta R.T. 0.006 min

Lab File: BF140977.D

Acq: 26 Dec 2024 19:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:146 Resp: 1375754

Ion Ratio Lower Upper

146 100

148 64.4 51.0 76.4

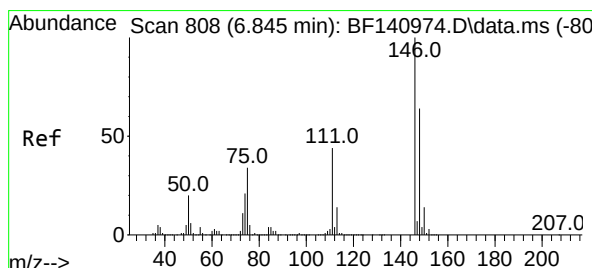
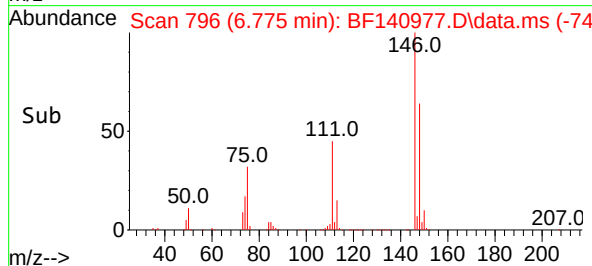
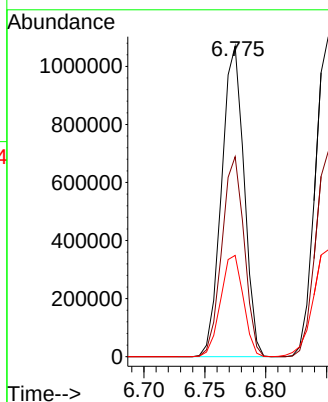
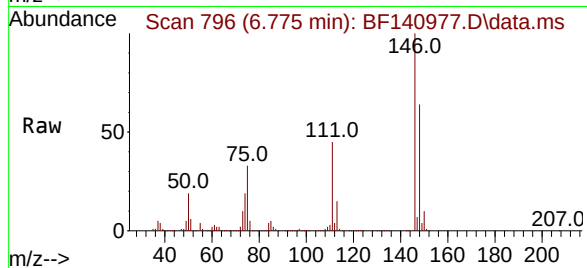
75 32.6 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#13

1,4-Dichlorobenzene

Concen: 69.856 ng

RT: 6.851 min Scan# 809

Delta R.T. 0.006 min

Lab File: BF140977.D

Acq: 26 Dec 2024 19:25

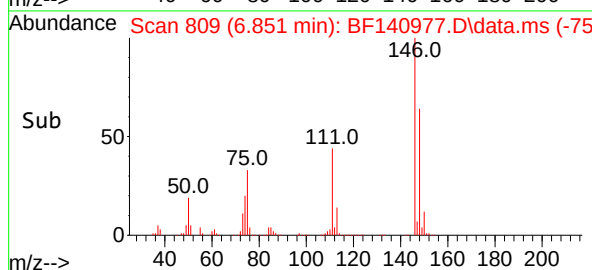
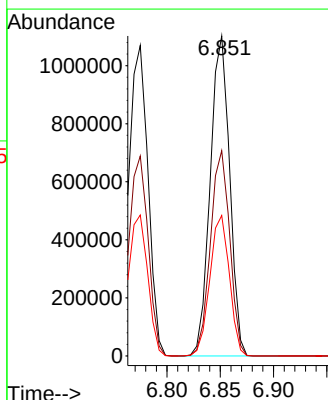
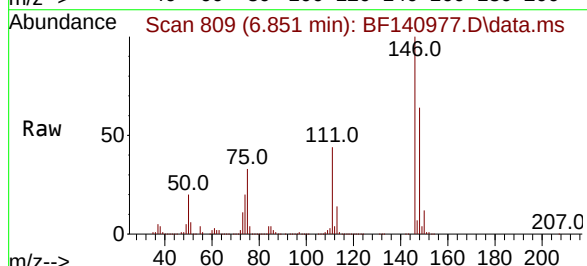
Tgt Ion:146 Resp: 1392839

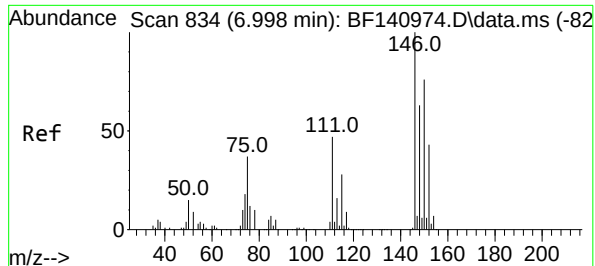
Ion Ratio Lower Upper

146 100

148 64.2 51.3 76.9

111 43.9 35.3 52.9





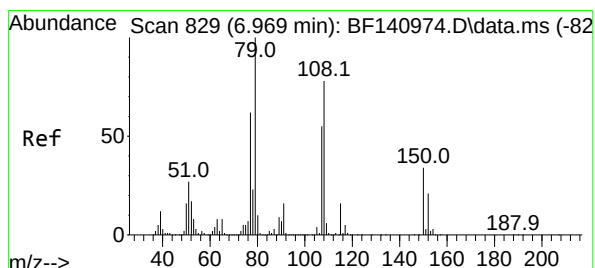
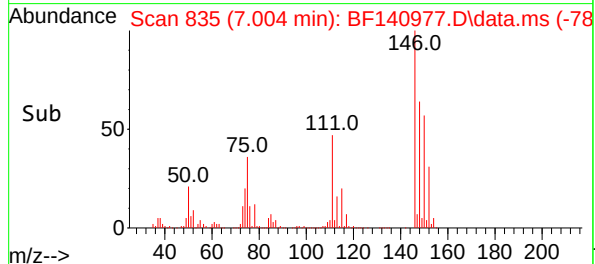
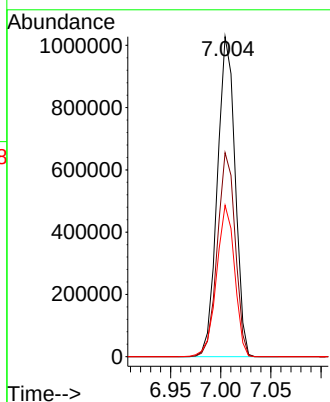
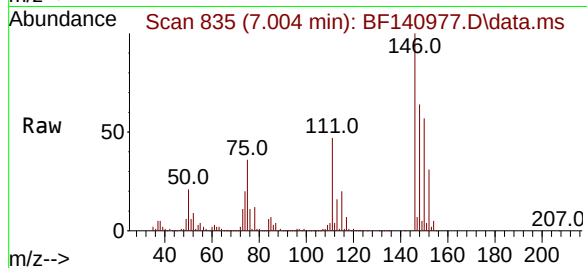
#14
1,2-Dichlorobenzene
Concen: 68.084 ng
RT: 7.004 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:146 Resp: 126570
Ion Ratio Lower Upper
146 100
148 63.7 50.6 76.0
111 47.3 37.3 55.9

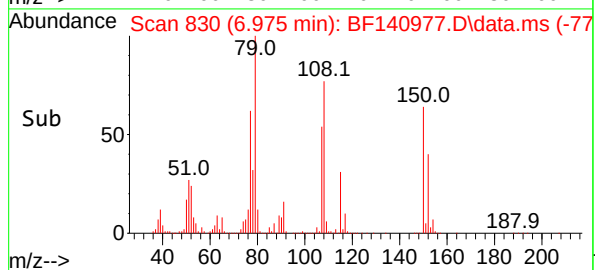
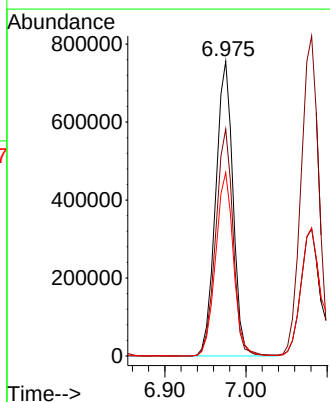
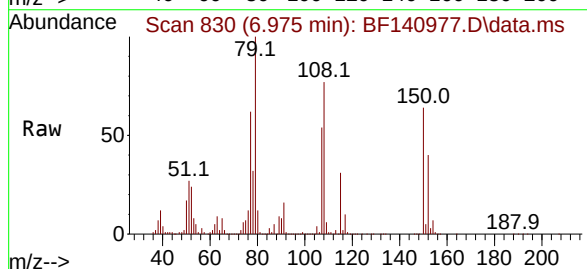
Manual Integrations
APPROVED

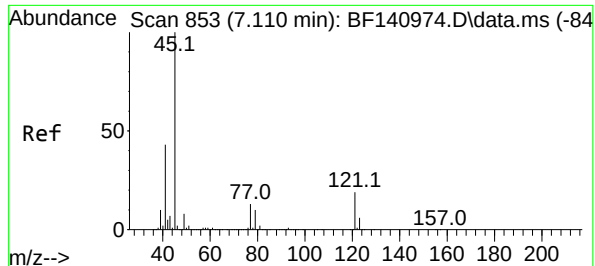
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#15
Benzyl Alcohol
Concen: 71.342 ng
RT: 6.975 min Scan# 830
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion: 79 Resp: 1122638
Ion Ratio Lower Upper
79 100
108 77.0 62.5 93.7
77 62.2 49.3 73.9





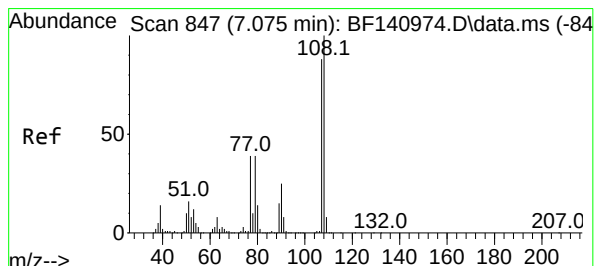
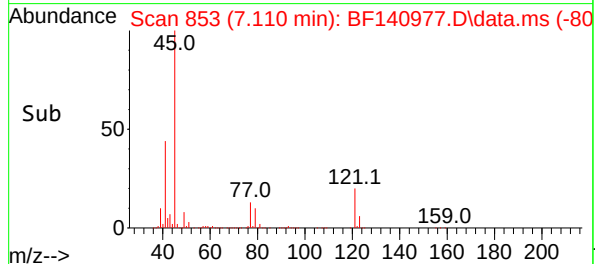
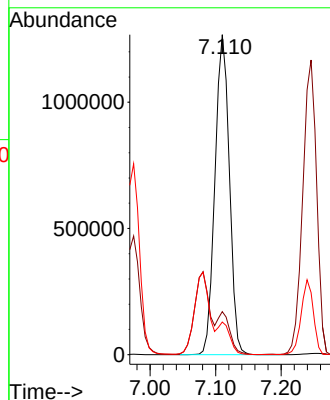
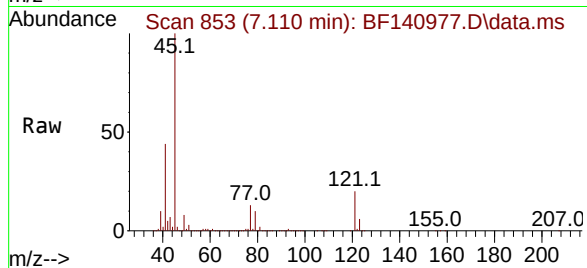
#16
2,2'-oxybis(1-Chloropropane)
Concen: 69.775 ng
RT: 7.110 min Scan# 853
Delta R.T. 0.000 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 45 Resp: 1929210
Ion Ratio Lower Upper
45 100
77 13.5 0.0 33.1
79 10.2 0.0 30.1

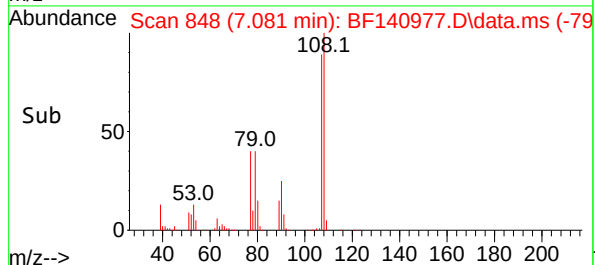
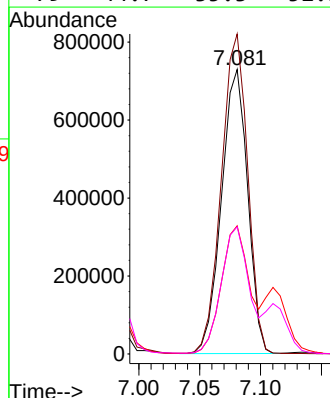
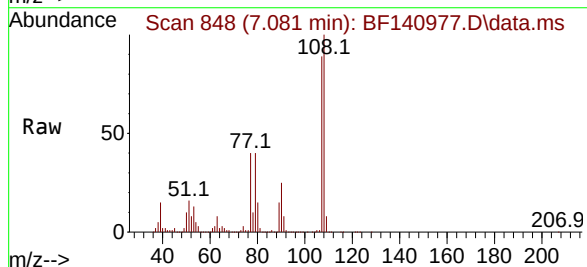
Manual Integrations
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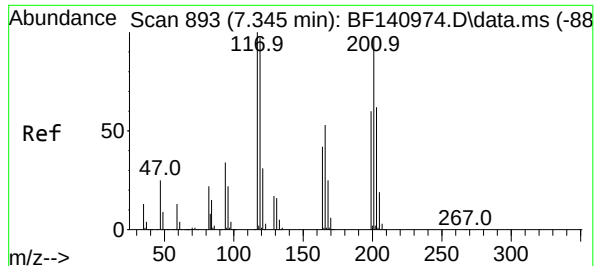
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#17
2-Methylphenol
Concen: 73.350 ng
RT: 7.081 min Scan# 848
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:107 Resp: 1092114
Ion Ratio Lower Upper
107 100
108 112.5 90.6 136.0
77 45.1 35.3 52.9
79 44.7 35.3 52.9





#18

Hexachloroethane

Concen: 73.443 ng

RT: 7.345 min Scan# 893

Delta R.T. 0.000 min

Lab File: BF140977.D

Acq: 26 Dec 2024 19:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:117 Resp: 520192

Ion Ratio Lower Upper

117 100

119 96.4 77.5 116.3

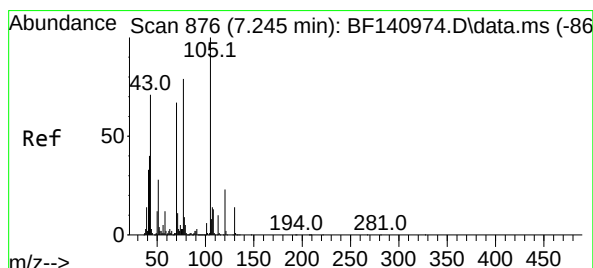
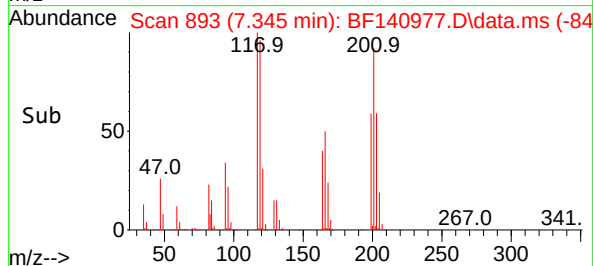
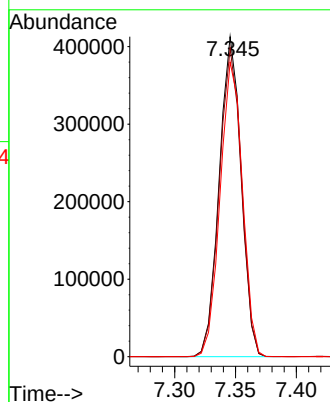
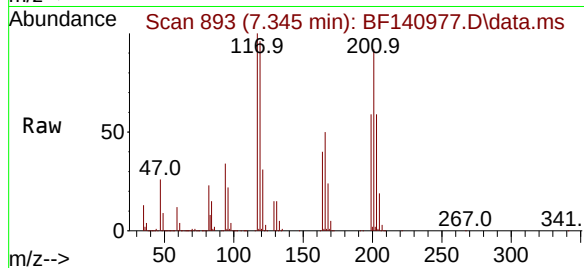
201 92.1 77.4 116.2

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Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#19

n-Nitroso-di-n-propylamine

Concen: 70.150 ng

RT: 7.257 min Scan# 878

Delta R.T. 0.012 min

Lab File: BF140977.D

Acq: 26 Dec 2024 19:25

Tgt Ion: 70 Resp: 941090

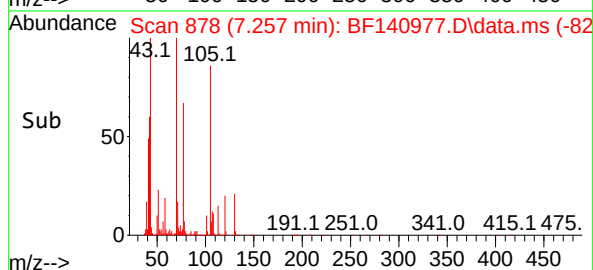
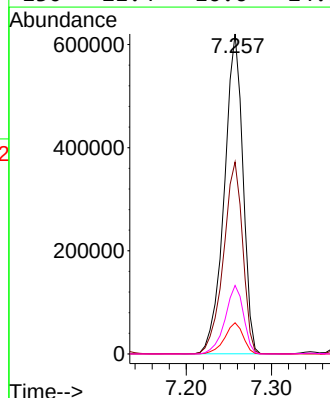
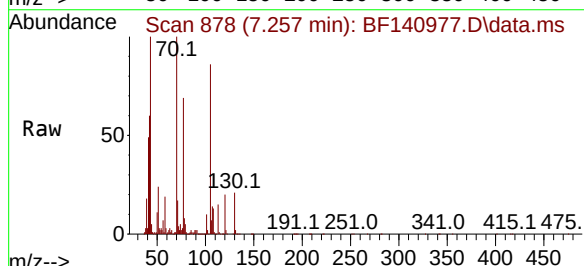
Ion Ratio Lower Upper

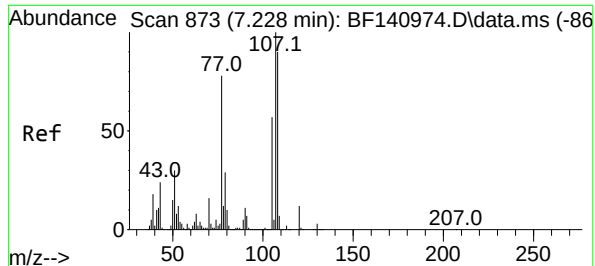
70 100

42 60.0 48.1 72.1

101 9.8 7.6 11.4

130 21.4 16.6 24.8





#20

3+4-Methylphenols

Concen: 67.191 ng

RT: 7.240 min Scan# 81

Delta R.T. 0.012 min

Lab File: BF140977.D

Acq: 26 Dec 2024 19:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:107 Resp: 126599

Ion Ratio Lower Upper

107 100

108 90.3 69.6 109.6

77 108.2 57.6 97.6

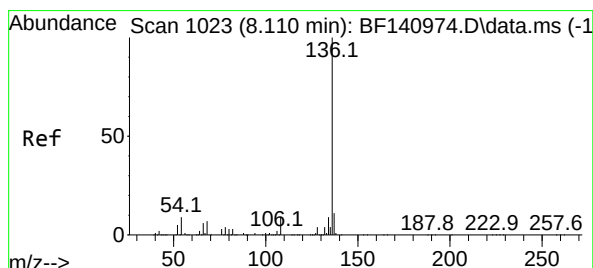
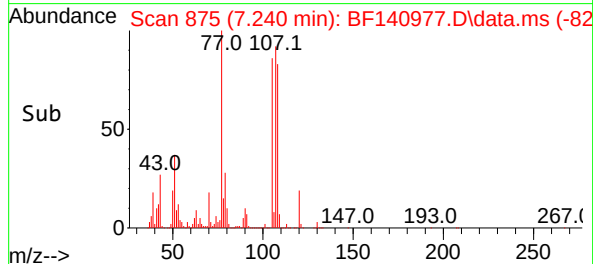
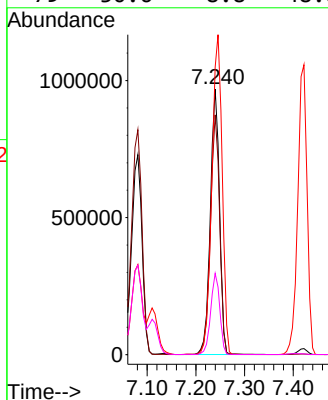
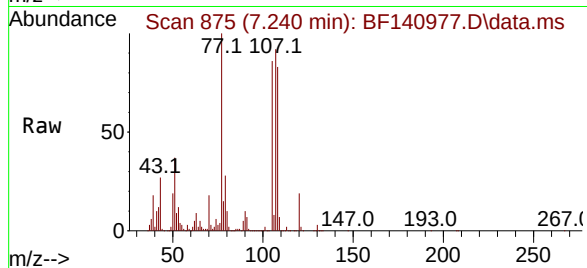
79 30.6 8.8 48.8

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Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.116 min Scan# 1024

Delta R.T. 0.006 min

Lab File: BF140977.D

Acq: 26 Dec 2024 19:25

Tgt Ion:136 Resp: 977409

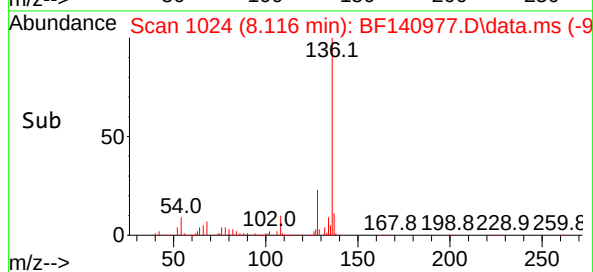
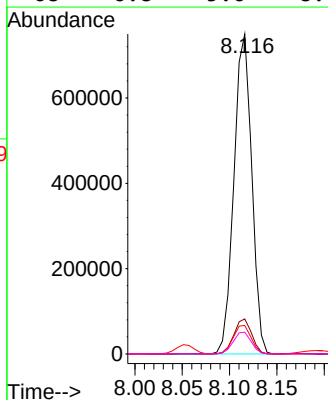
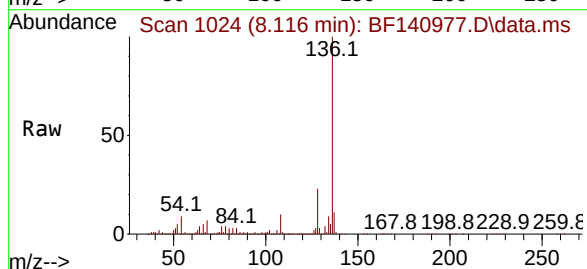
Ion Ratio Lower Upper

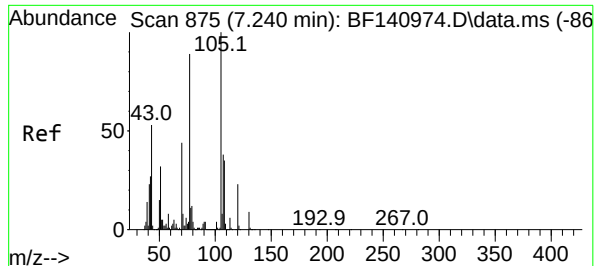
136 100

137 10.9 9.0 13.4

54 8.9 7.6 11.4

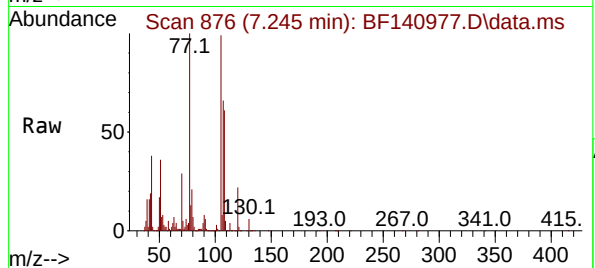
68 6.8 5.6 8.4





#22
Acetophenone
Concen: 68.675 ng
RT: 7.245 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

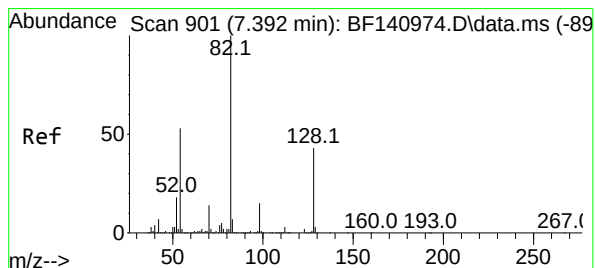
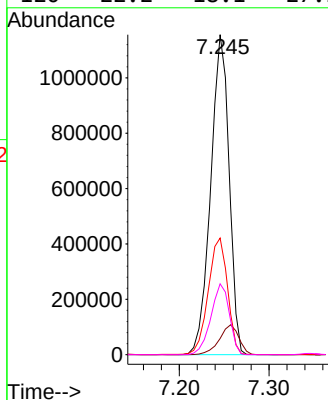
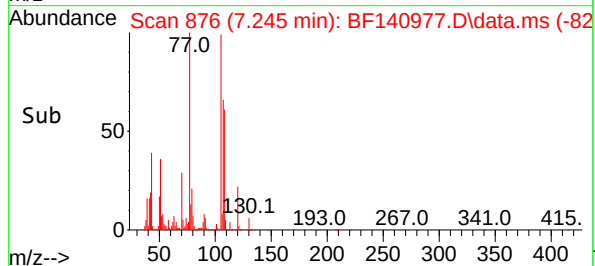
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



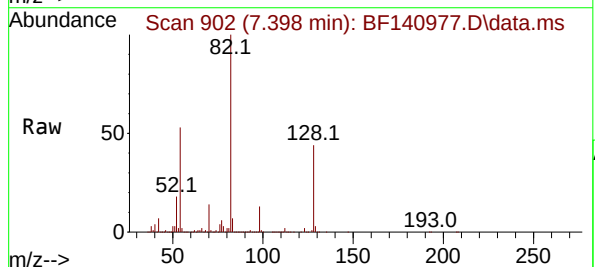
Tgt Ion:105 Resp: 1646630
Ion Ratio Lower Upper
105 100
71 5.0 6.1 9.1
51 36.5 25.8 38.6
120 22.2 18.1 27.1

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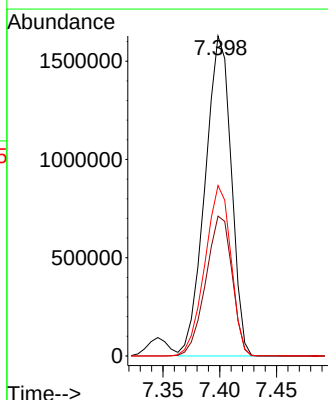
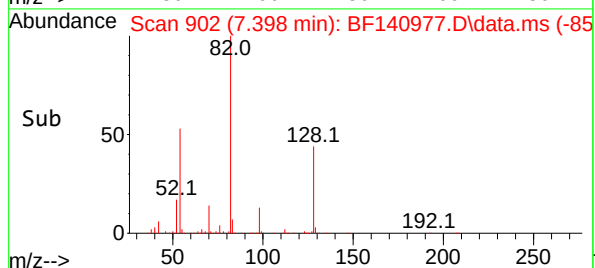
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

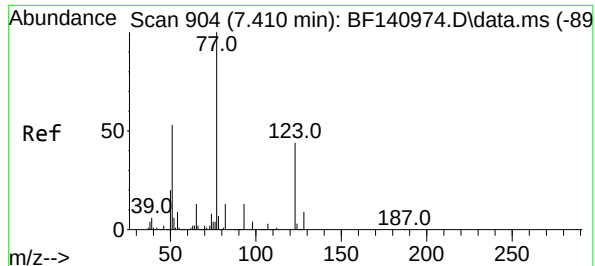


#23
Nitrobenzene-d5
Concen: 170.465 ng
RT: 7.398 min Scan# 902
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25



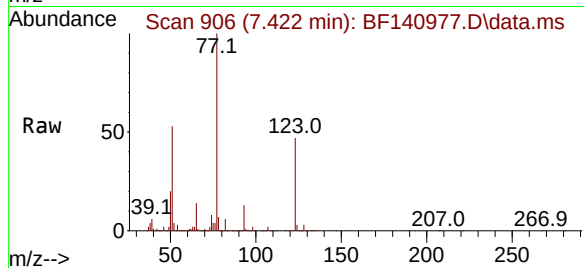
Tgt Ion: 82 Resp: 2604239
Ion Ratio Lower Upper
82 100
128 43.7 34.4 51.6
54 53.3 42.4 63.6





#24
Nitrobenzene
Concen: 81.994 ng
RT: 7.422 min Scan# 904
Delta R.T. 0.012 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

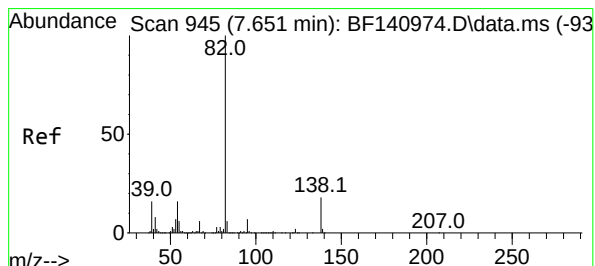
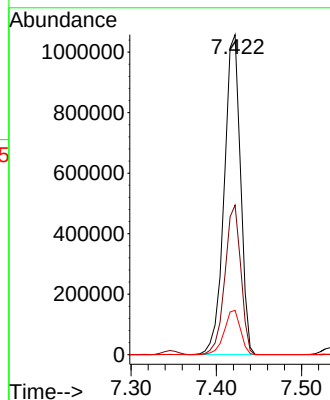
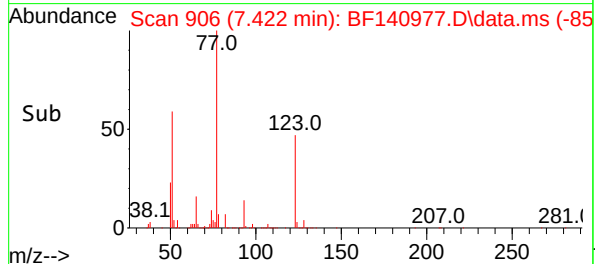
Instrument :
BNA_F
Client Sample Id :
SSTDICC080



Tgt Ion: 77 Resp: 1399699
Ion Ratio Lower Upper
77 100
123 46.8 35.4 53.2
65 13.9 10.7 16.1

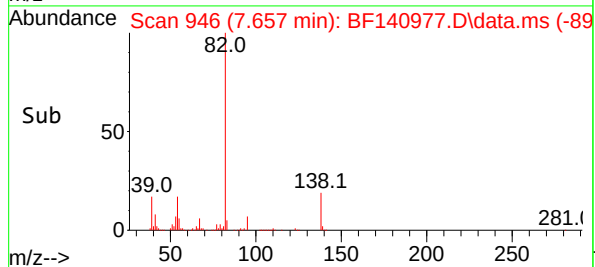
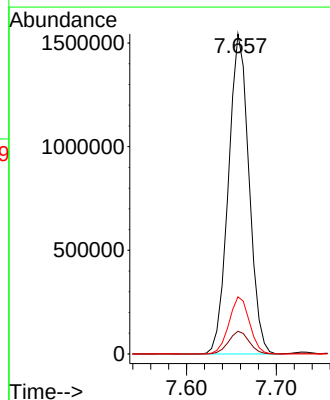
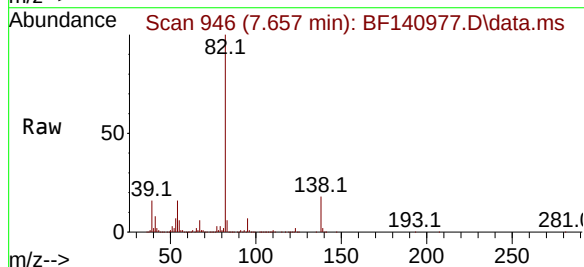
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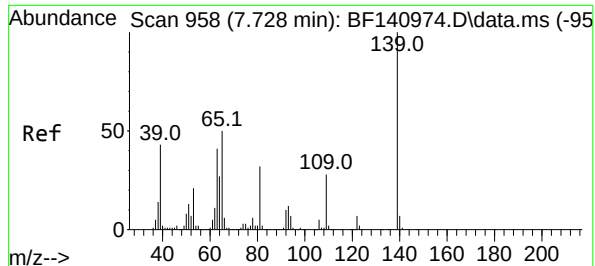
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#25
Isophorone
Concen: 73.842 ng
RT: 7.657 min Scan# 946
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion: 82 Resp: 2454830
Ion Ratio Lower Upper
82 100
95 7.1 5.6 8.4
138 17.8 14.6 21.8





#26

2-Nitrophenol

Concen: 80.829 ng

RT: 7.728 min Scan# 9

Delta R.T. -0.000 min

Lab File: BF140977.D

Acq: 26 Dec 2024 19:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:139 Resp: 59398

Ion Ratio Lower Upper

139 100

109 29.7 22.2 33.4

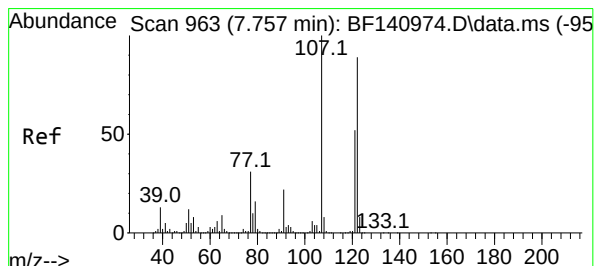
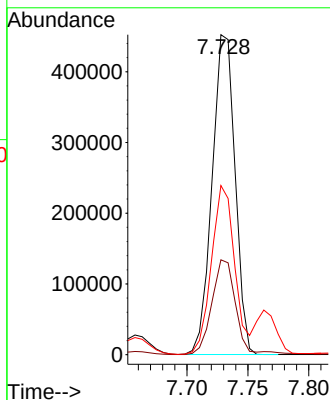
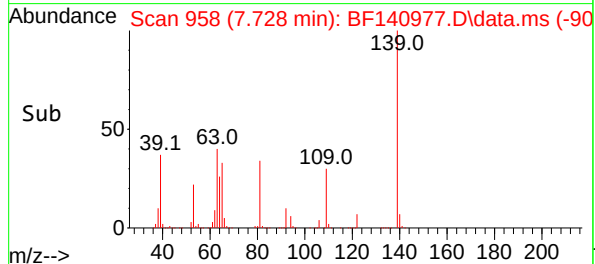
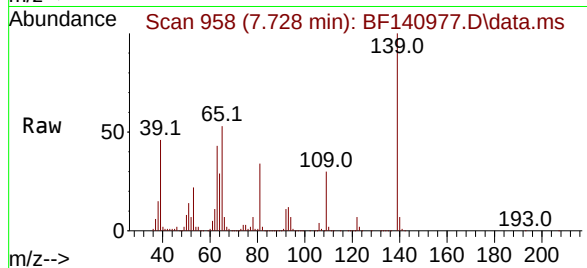
65 52.9 40.2 60.4

Manual Integrations

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Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#27

2,4-Dimethylphenol

Concen: 74.098 ng

RT: 7.763 min Scan# 964

Delta R.T. 0.006 min

Lab File: BF140977.D

Acq: 26 Dec 2024 19:25

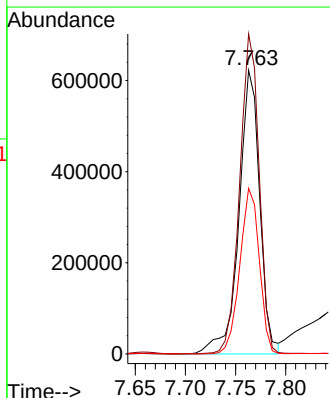
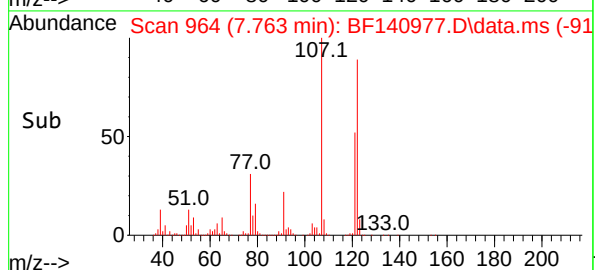
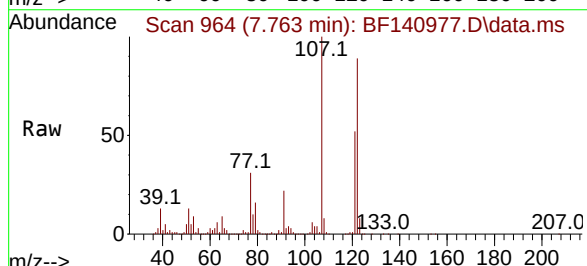
Tgt Ion:122 Resp: 900268

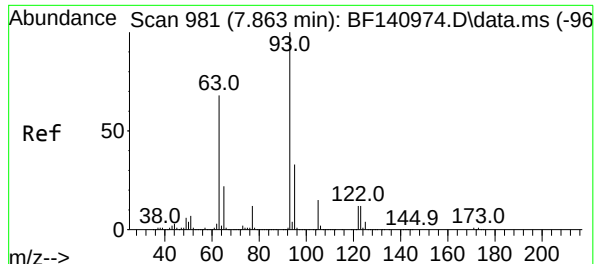
Ion Ratio Lower Upper

122 100

107 112.8 89.4 134.2

121 58.4 46.7 70.1





#28

bis(2-Chloroethoxy)methane

Concen: 71.188 ng

RT: 7.869 min Scan# 981

Delta R.T. 0.006 min

Lab File: BF140977.D

Acq: 26 Dec 2024 19:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion: 93 Resp: 1499425

Ion Ratio Lower Upper

93 100

95 33.1 26.2 39.4

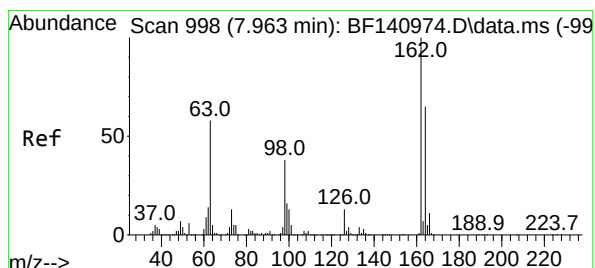
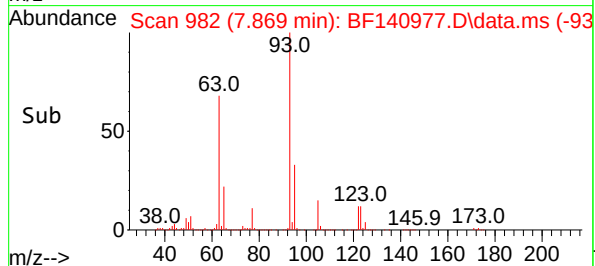
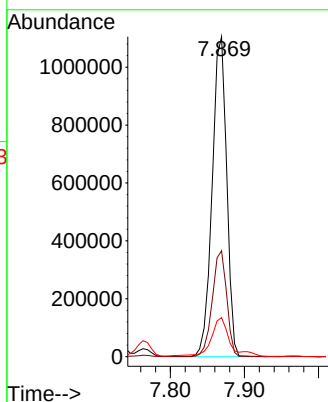
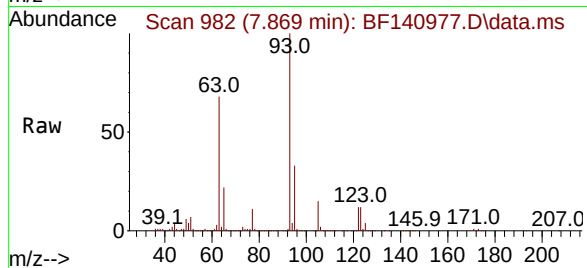
123 12.2 9.9 14.9

Manual Integrations

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Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#29

2,4-Dichlorophenol

Concen: 74.999 ng

RT: 7.969 min Scan# 999

Delta R.T. 0.006 min

Lab File: BF140977.D

Acq: 26 Dec 2024 19:25

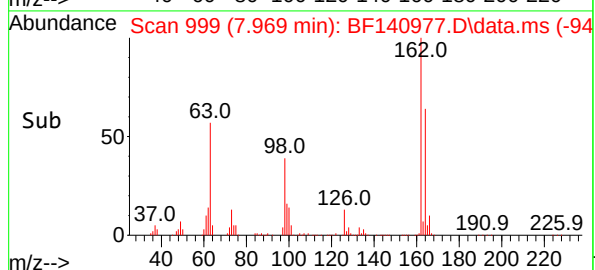
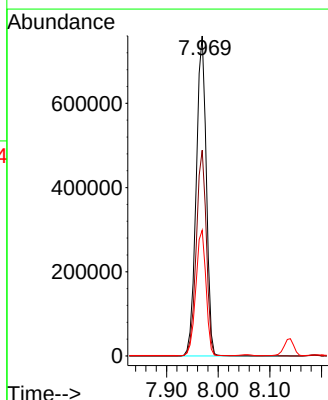
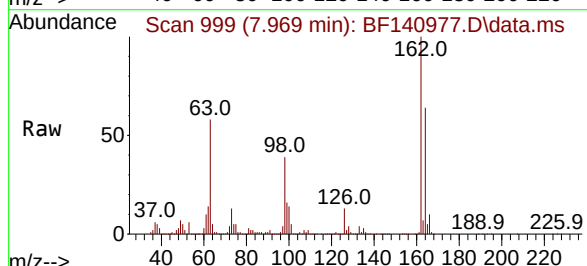
Tgt Ion:162 Resp: 1033455

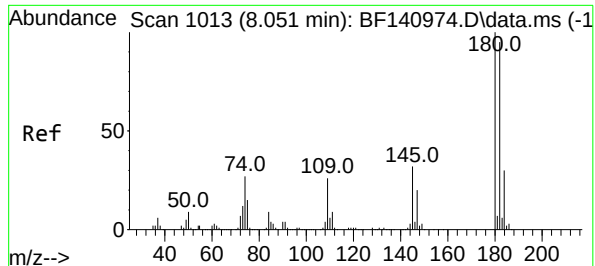
Ion Ratio Lower Upper

162 100

164 64.3 44.8 84.8

98 39.3 18.6 58.6





#30

1,2,4-Trichlorobenzene

Concen: 71.799 ng

RT: 8.057 min Scan# 1013

Delta R.T. 0.006 min

Lab File: BF140977.D

Acq: 26 Dec 2024 19:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:180 Resp: 1119798

Ion Ratio Lower Upper

180 100

182 95.6 76.2 114.4

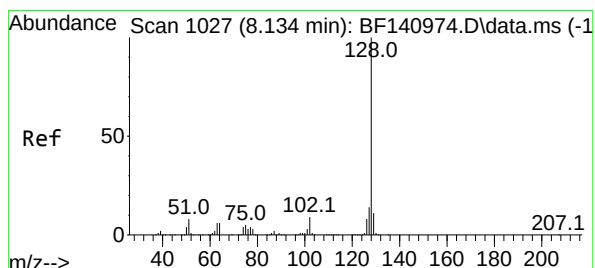
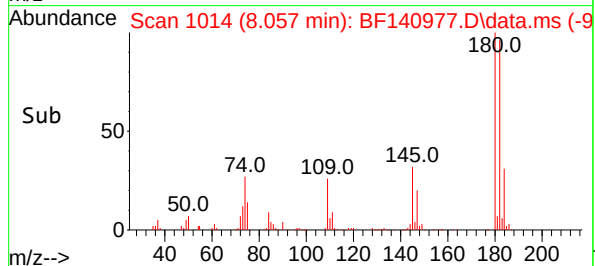
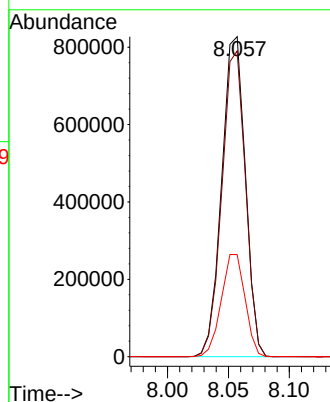
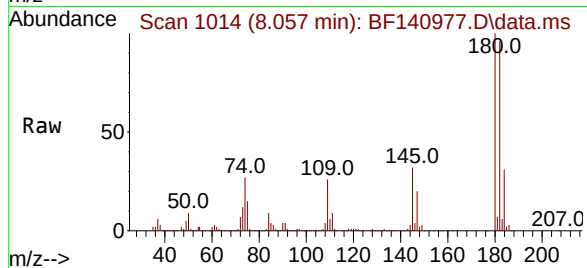
145 31.9 25.4 38.2

Manual Integrations

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Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#31

Naphthalene

Concen: 67.732 ng

RT: 8.140 min Scan# 1028

Delta R.T. 0.006 min

Lab File: BF140977.D

Acq: 26 Dec 2024 19:25

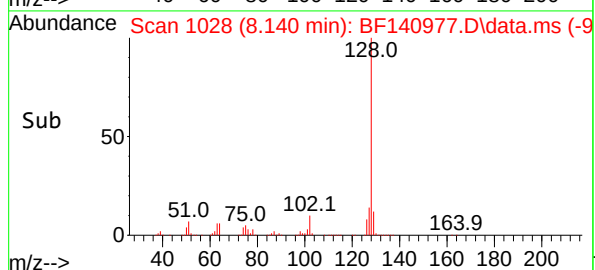
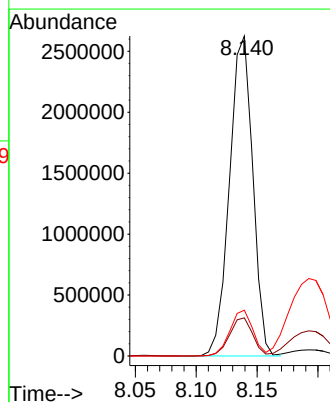
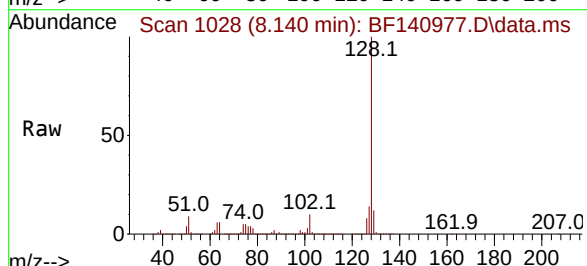
Tgt Ion:128 Resp: 3488407

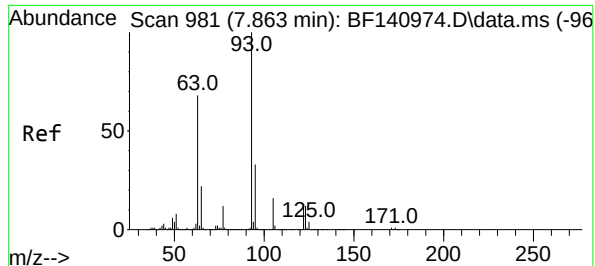
Ion Ratio Lower Upper

128 100

129 11.9 9.2 13.8

127 14.3 11.0 16.4





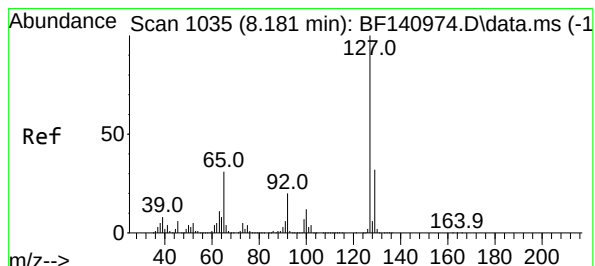
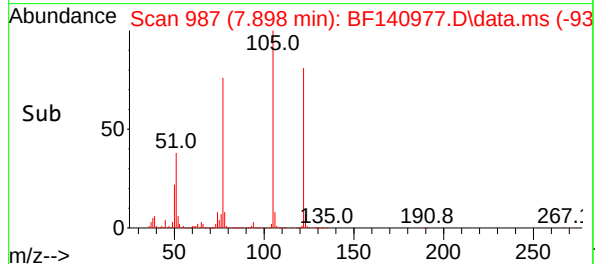
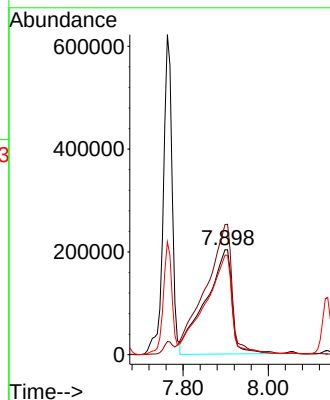
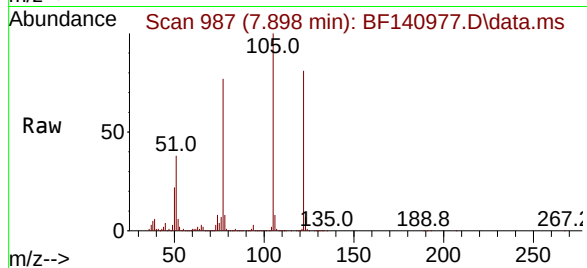
#32
Benzoic acid
Concen: 80.749 ng
RT: 7.898 min Scan# 91
Delta R.T. 0.035 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:122 Resp: 869860
Ion Ratio Lower Upper
122 100
105 123.9 105.4 145.4
77 94.9 76.4 116.4

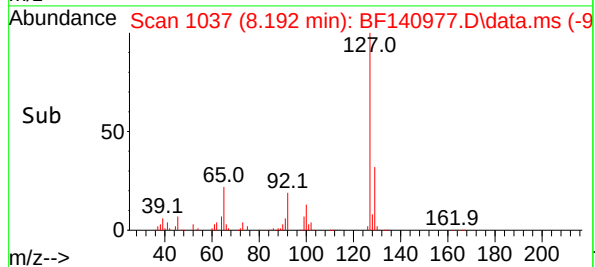
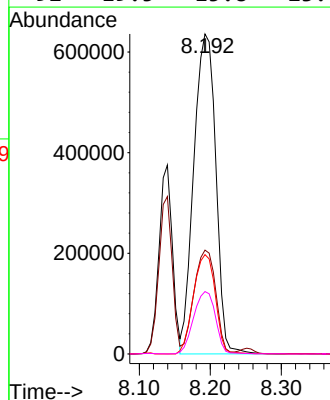
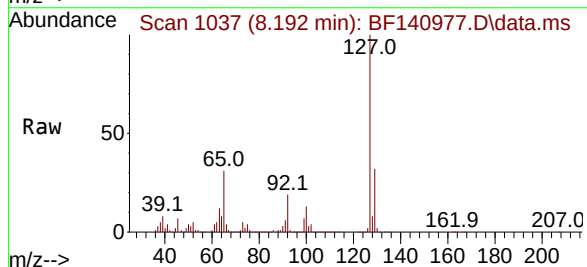
Manual Integrations
APPROVED

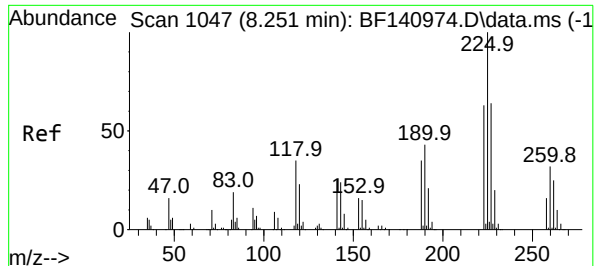
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#33
4-Chloroaniline
Concen: 73.729 ng
RT: 8.192 min Scan# 1037
Delta R.T. 0.012 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

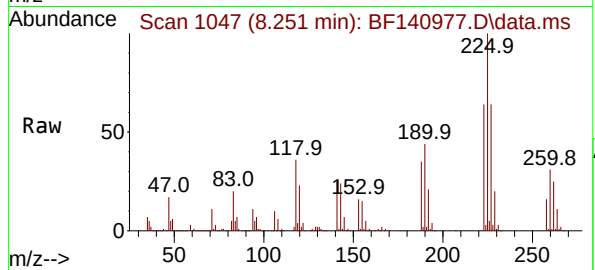
Tgt Ion:127 Resp: 1373750
Ion Ratio Lower Upper
127 100
129 32.5 26.1 39.1
65 31.1 24.6 37.0
92 19.5 15.8 23.6





#34
Hexachlorobutadiene
Concen: 72.129 ng
RT: 8.251 min Scan# 1047
Delta R.T. 0.000 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

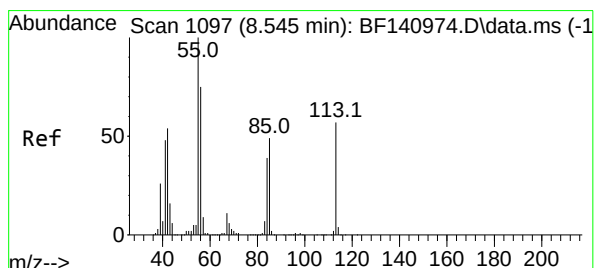
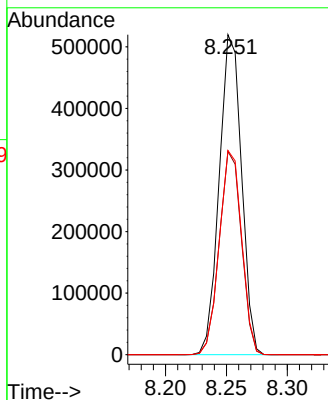
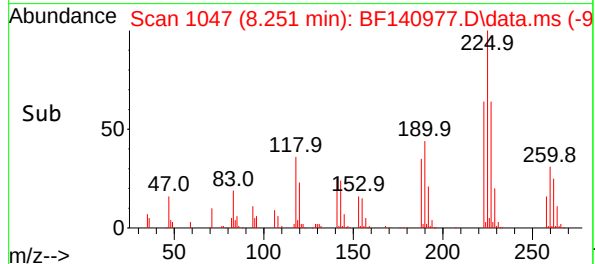
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:225 Resp: 66319
Ion Ratio Lower Upper
225 100
223 63.6 50.3 75.5
227 63.8 50.8 76.2

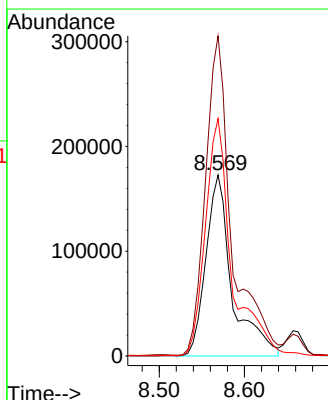
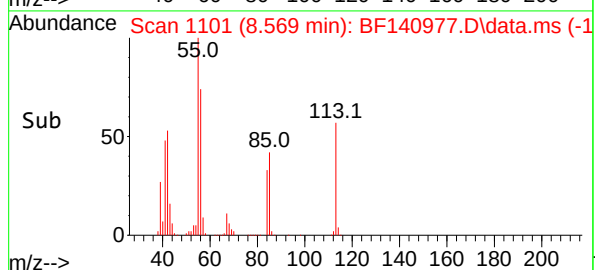
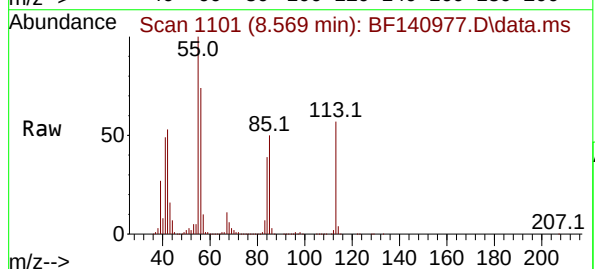
Manual Integrations
APPROVED

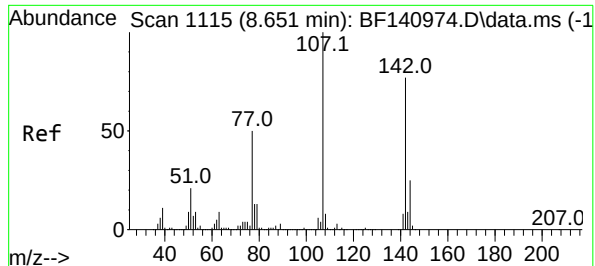
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#35
Caprolactam
Concen: 78.800 ng
RT: 8.569 min Scan# 1101
Delta R.T. 0.024 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

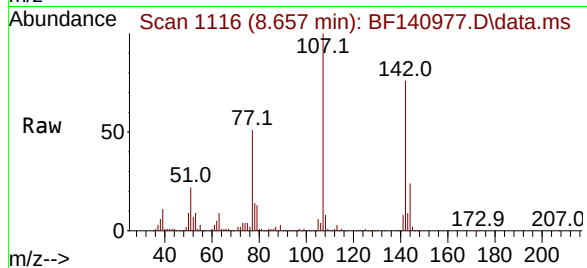
Tgt Ion:113 Resp: 369167
Ion Ratio Lower Upper
113 100
55 176.9 156.6 196.6
56 131.2 111.7 151.7





#36
4-Chloro-3-methylphenol
Concen: 74.790 ng
RT: 8.657 min Scan# 1115
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

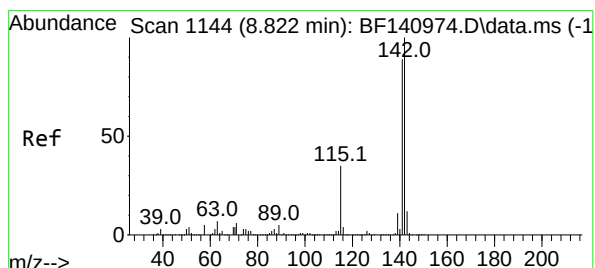
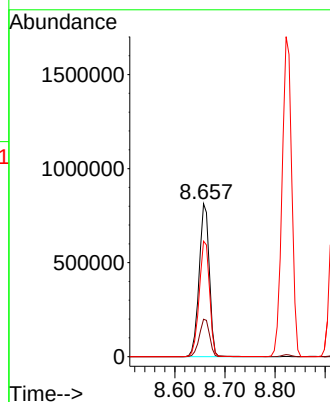
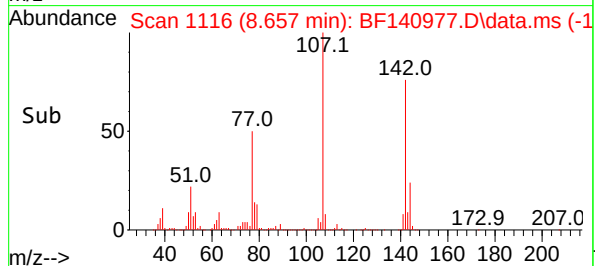
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:107 Resp: 1144500
Ion Ratio Lower Upper
107 100
144 24.5 19.9 29.9
142 75.6 61.8 92.8

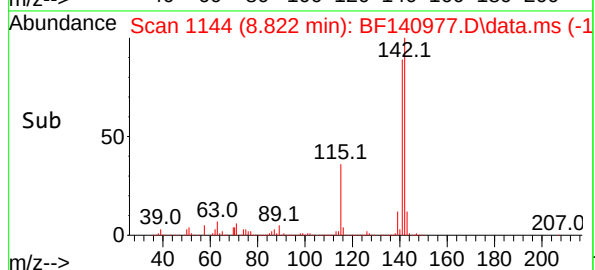
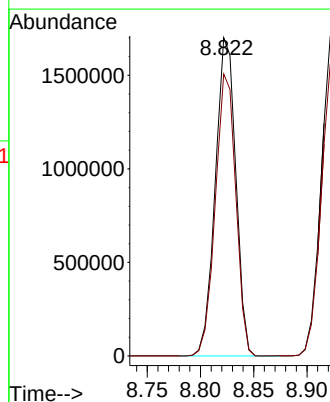
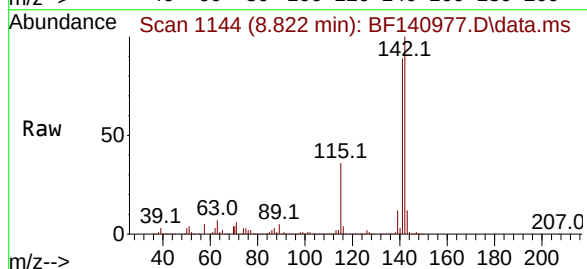
Manual Integrations
APPROVED

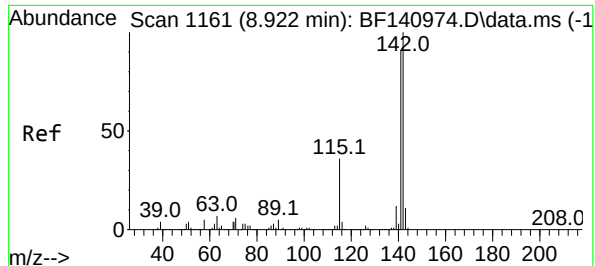
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#37
2-Methylnaphthalene
Concen: 68.904 ng
RT: 8.822 min Scan# 1144
Delta R.T. 0.000 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

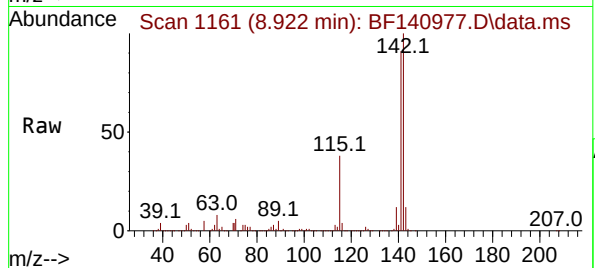
Tgt Ion:142 Resp: 2270301
Ion Ratio Lower Upper
142 100
141 88.6 71.1 106.7





#38
1-Methylnaphthalene
Concen: 68.910 ng
RT: 8.922 min Scan# 1161
Delta R.T. 0.000 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

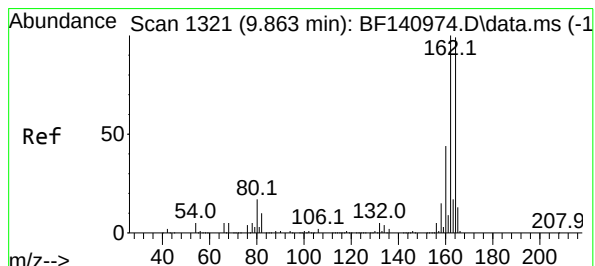
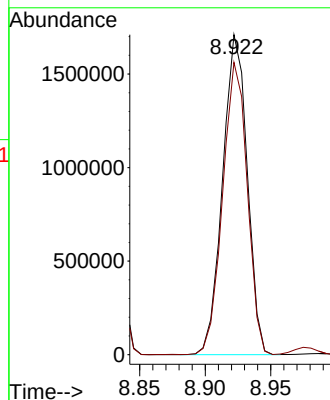
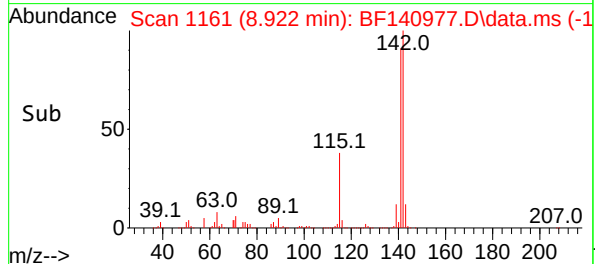
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



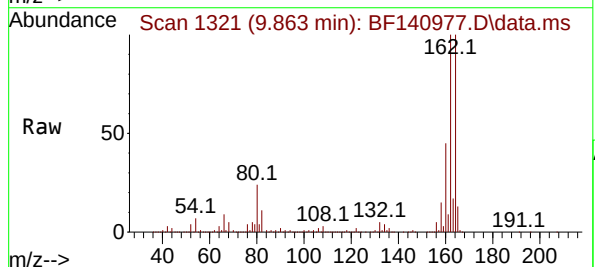
Tgt Ion:142 Resp: 223139
Ion Ratio Lower Upper
142 100
141 91.3 72.7 109.1

Manual Integrations
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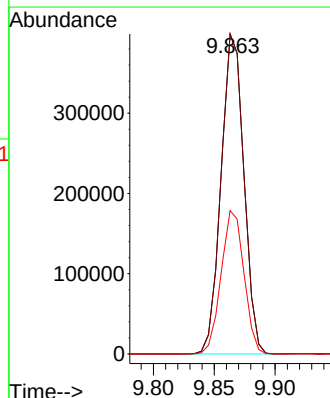
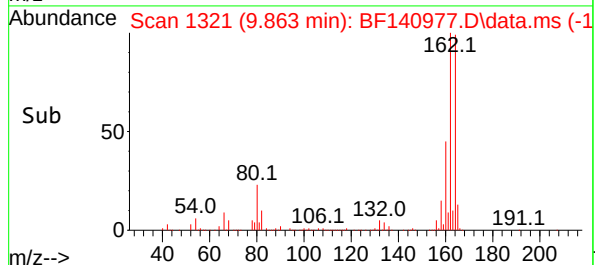
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

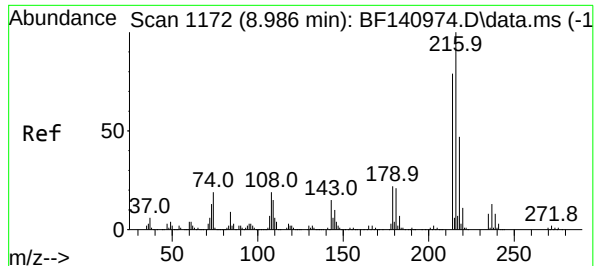


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1321
Delta R.T. 0.000 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25



Tgt Ion:164 Resp: 517561
Ion Ratio Lower Upper
164 100
162 100.0 80.6 120.8
160 44.8 35.7 53.5





#40

1,2,4,5-Tetrachlorobenzene

Concen: 71.328 ng

RT: 8.987 min Scan# 1172

Delta R.T. 0.000 min

Lab File: BF140977.D

Acq: 26 Dec 2024 19:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:216 Resp: 101562

Ion Ratio Lower Upper

216 100

214 78.6 63.0 94.6

179 22.7 17.9 26.9

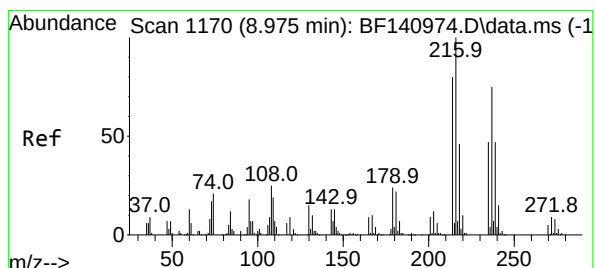
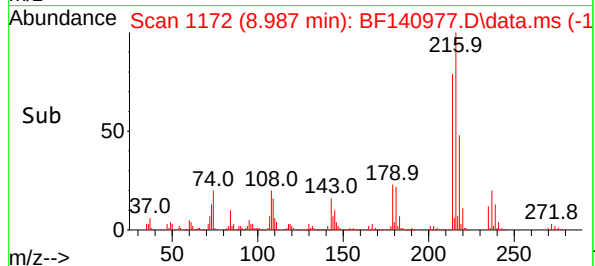
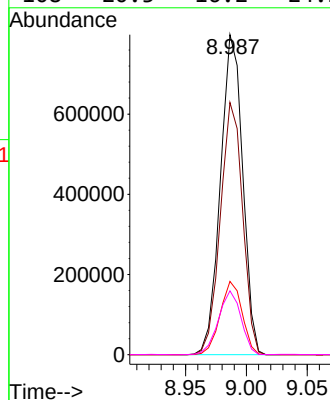
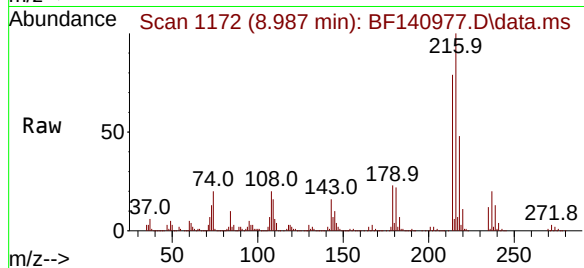
108 20.3 16.2 24.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#41

Hexachlorocyclopentadiene

Concen: 79.096 ng

RT: 8.975 min Scan# 1170

Delta R.T. 0.000 min

Lab File: BF140977.D

Acq: 26 Dec 2024 19:25

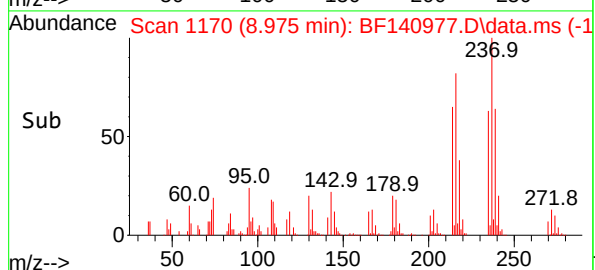
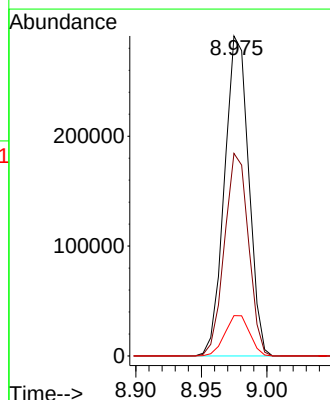
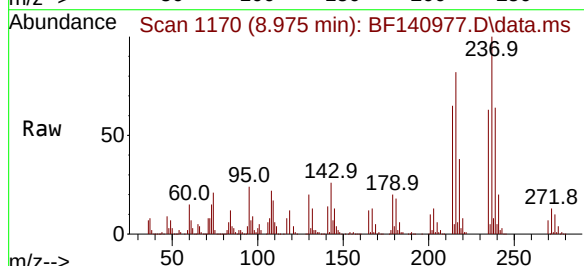
Tgt Ion:237 Resp: 373217

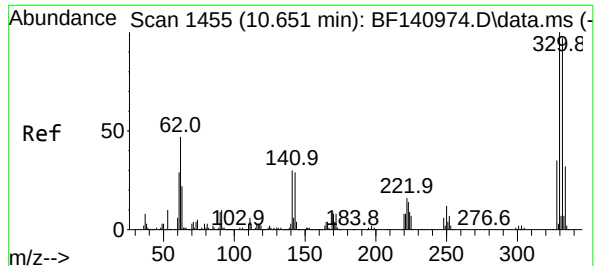
Ion Ratio Lower Upper

237 100

235 63.3 43.4 83.4

272 12.6 0.0 32.6





#42

2,4,6-Tribromophenol

Concen: 163.492 ng

RT: 10.657 min Scan# 1455

Delta R.T. 0.006 min

Lab File: BF140977.D

Acq: 26 Dec 2024 19:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:330 Resp: 822230

Ion Ratio Lower Upper

330 100

332 95.5 78.0 117.0

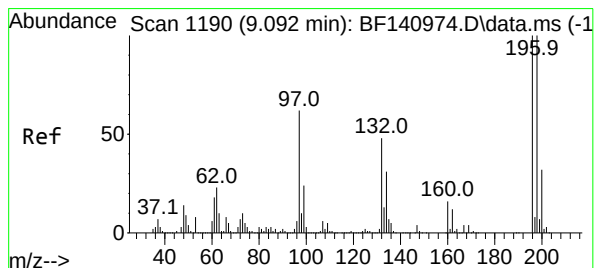
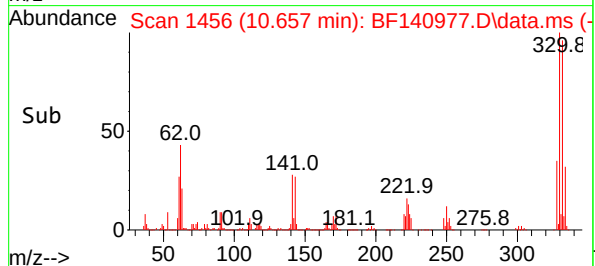
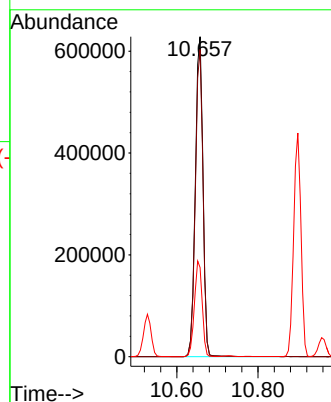
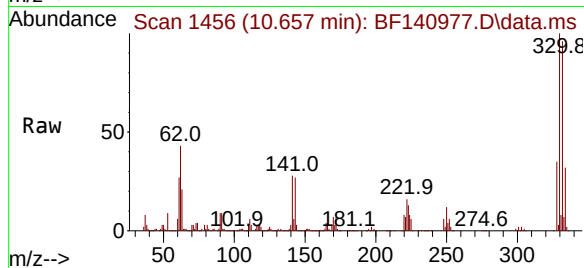
141 30.3 26.4 39.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#43

2,4,6-Trichlorophenol

Concen: 77.418 ng

RT: 9.098 min Scan# 1191

Delta R.T. 0.006 min

Lab File: BF140977.D

Acq: 26 Dec 2024 19:25

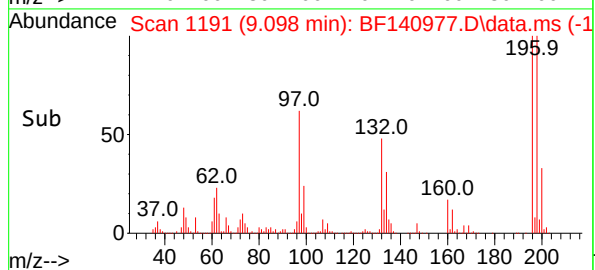
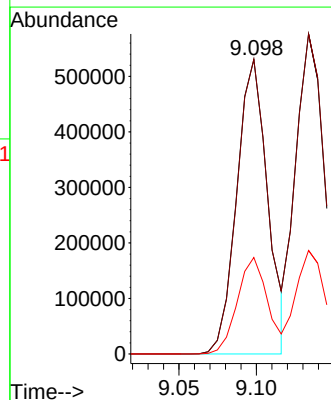
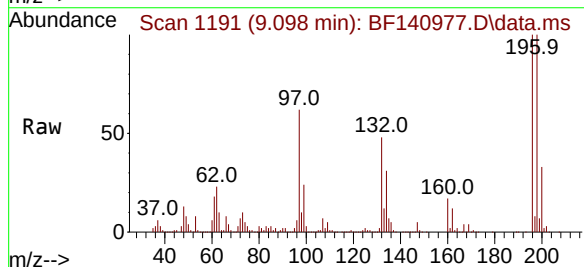
Tgt Ion:196 Resp: 733660

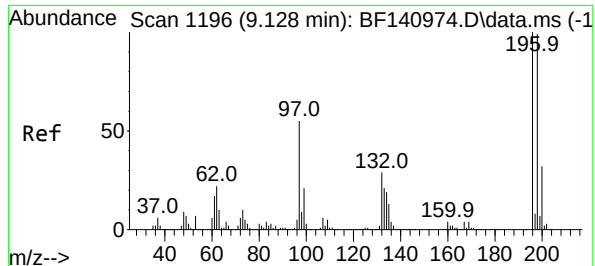
Ion Ratio Lower Upper

196 100

198 100.1 80.2 120.4

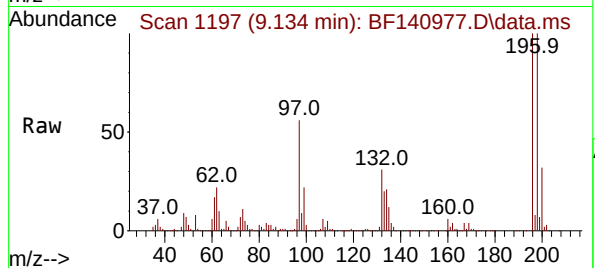
200 32.7 25.8 38.6





#44
2,4,5-Trichlorophenol
Concen: 75.868 ng
RT: 9.134 min Scan# 1196
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

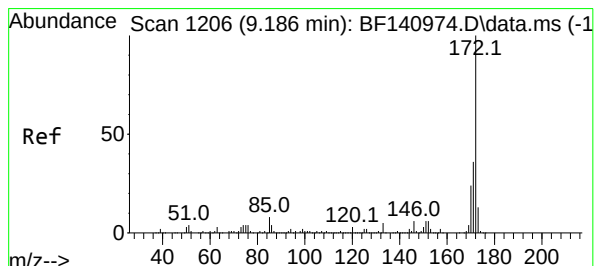
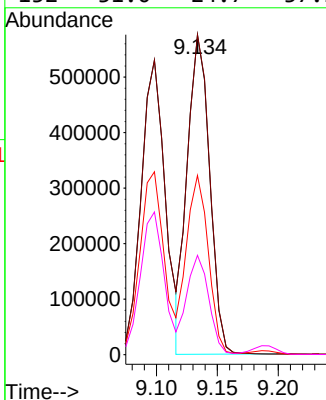
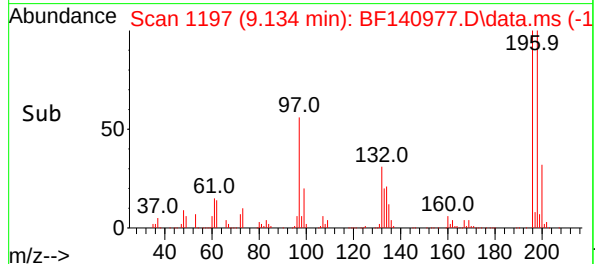
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



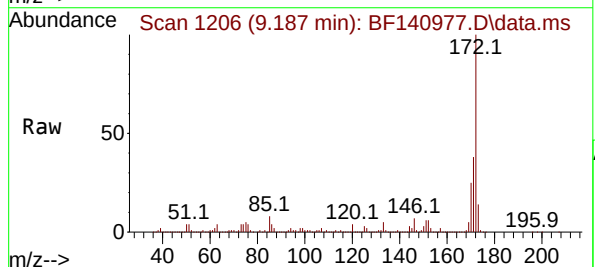
Tgt Ion:196 Resp: 735644
Ion Ratio Lower Upper
196 100
198 100.0 79.9 119.9
97 56.0 44.3 66.5
132 31.0 24.7 37.1

Manual Integrations
APPROVED

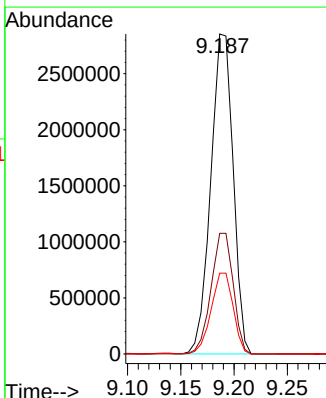
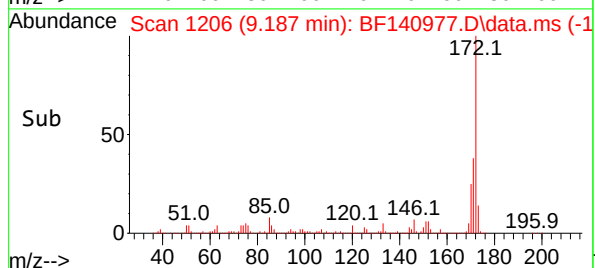
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

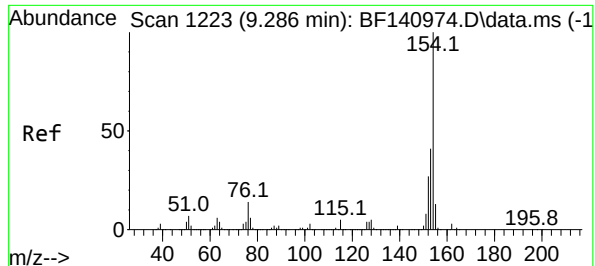


#45
2-Fluorobiphenyl
Concen: 128.248 ng
RT: 9.187 min Scan# 1206
Delta R.T. 0.000 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25



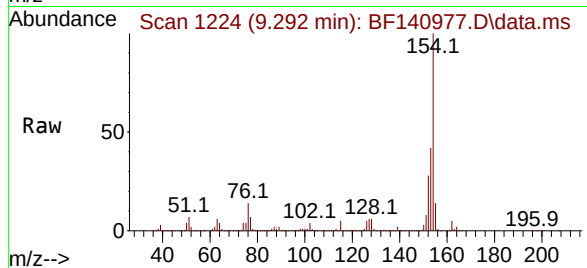
Tgt Ion:172 Resp: 4166122
Ion Ratio Lower Upper
172 100
171 37.7 29.0 43.4
170 25.2 19.6 29.4





#46
1,1'-Biphenyl
Concen: 67.425 ng
RT: 9.292 min Scan# 1224
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

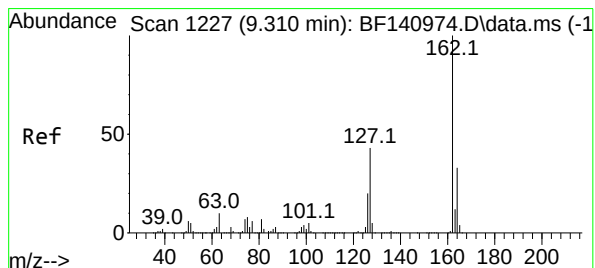
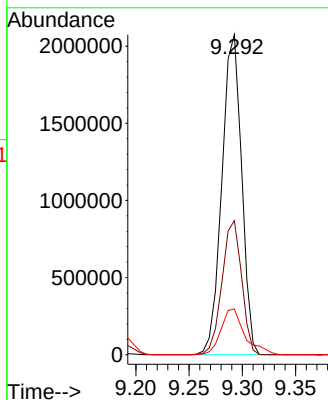
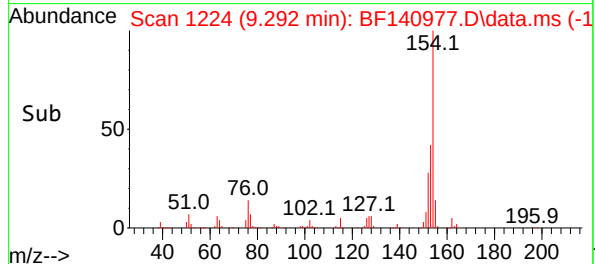
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:154 Resp: 2671990
Ion Ratio Lower Upper
154 100
153 41.9 20.9 60.9
76 14.2 0.0 34.0

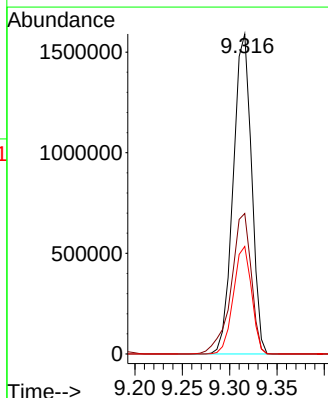
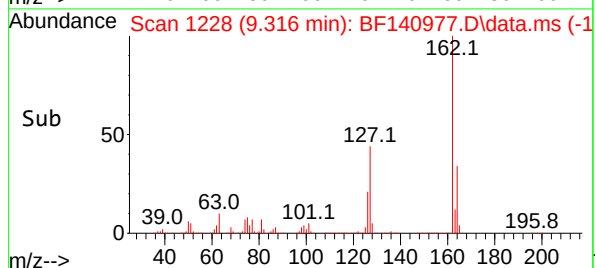
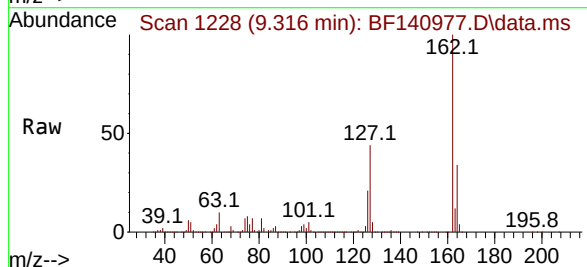
Manual Integrations
APPROVED

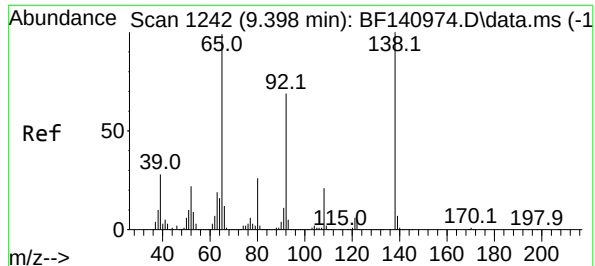
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#47
2-Chloronaphthalene
Concen: 69.446 ng
RT: 9.316 min Scan# 1228
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

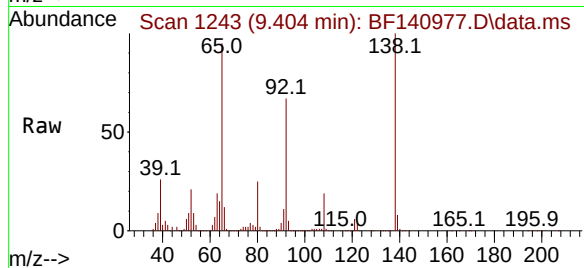
Tgt Ion:162 Resp: 2134444
Ion Ratio Lower Upper
162 100
127 43.9 34.2 51.4
164 33.6 26.6 40.0





#48
2-Nitroaniline
Concen: 80.177 ng
RT: 9.404 min Scan# 1243
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

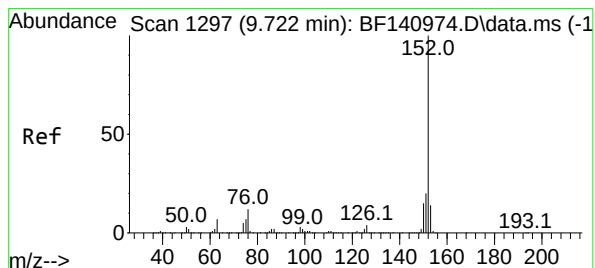
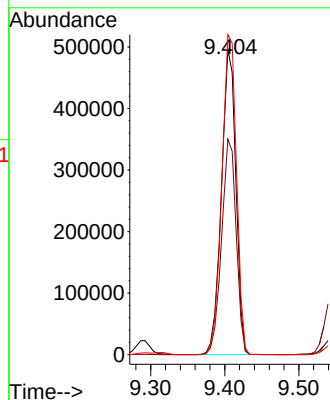
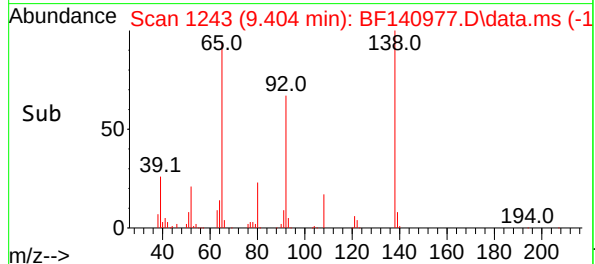
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion: 65 Resp: 672379
Ion Ratio Lower Upper
65 100
92 70.7 55.6 83.4
138 104.9 80.5 120.7

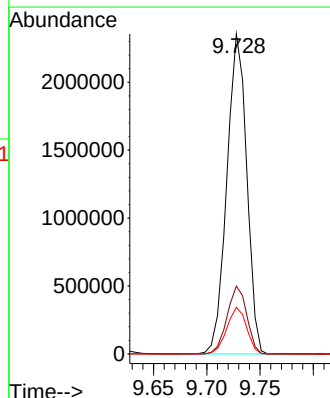
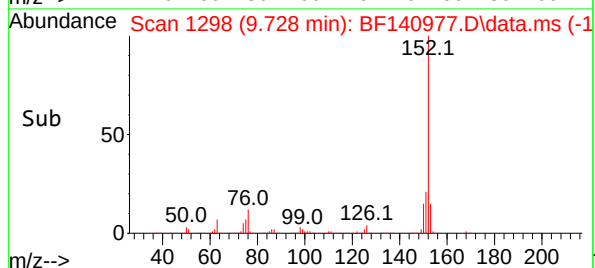
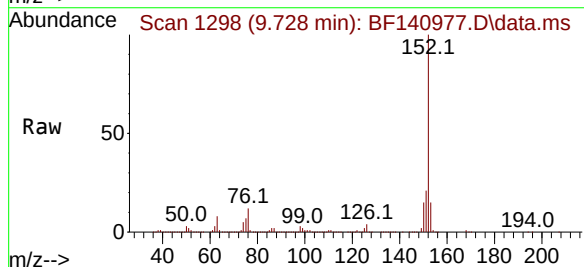
Manual Integrations
APPROVED

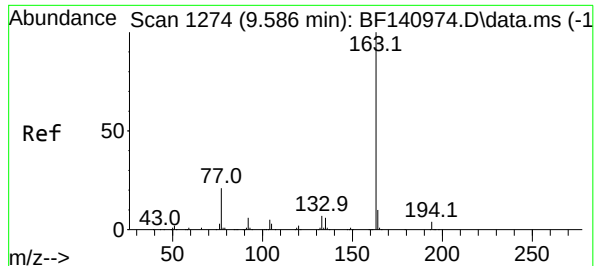
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#49
Acenaphthylene
Concen: 69.133 ng
RT: 9.728 min Scan# 1298
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

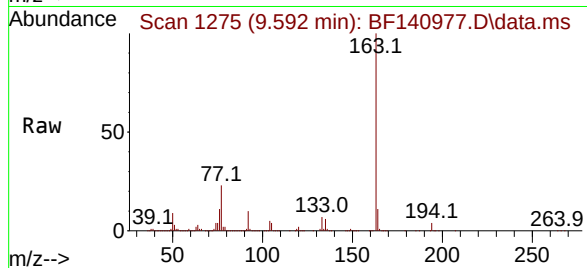
Tgt Ion:152 Resp: 3058781
Ion Ratio Lower Upper
152 100
151 21.2 16.2 24.4
153 14.6 11.4 17.0





#50
Dimethylphthalate
Concen: 72.109 ng
RT: 9.592 min Scan# 1275
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

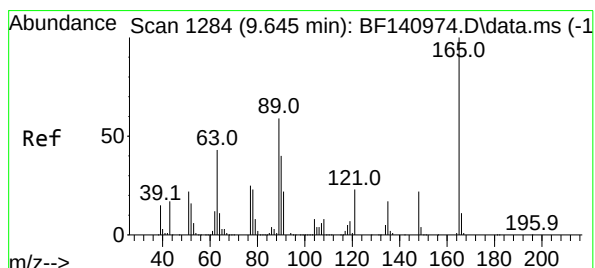
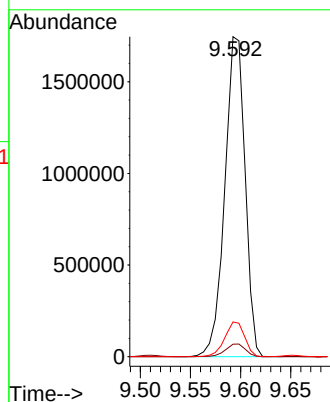
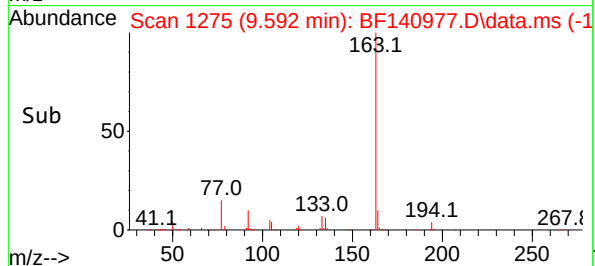
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



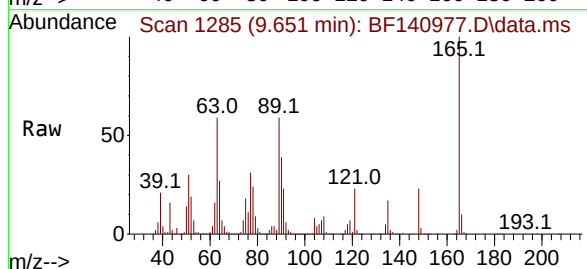
Tgt Ion:163 Resp: 245484
Ion Ratio Lower Upper
163 100
194 3.9 3.1 4.7
164 10.9 8.3 12.5

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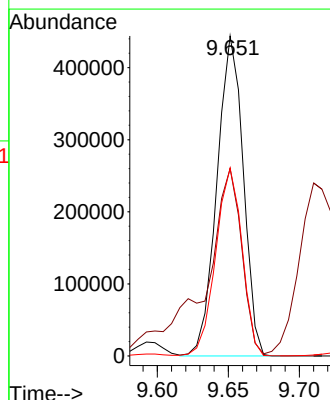
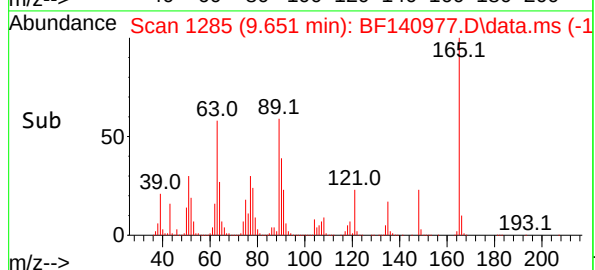
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

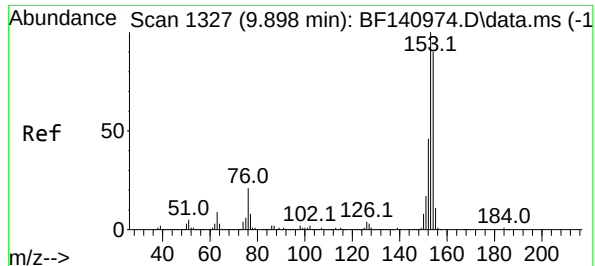


#51
2,6-Dinitrotoluene
Concen: 79.723 ng
RT: 9.651 min Scan# 1285
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25



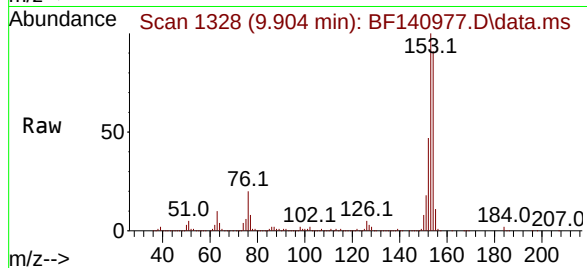
Tgt Ion:165 Resp: 571642
Ion Ratio Lower Upper
165 100
63 58.6 47.1 70.7
89 58.7 47.0 70.4





#52
Acenaphthene
Concen: 71.048 ng
RT: 9.904 min Scan# 1328
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

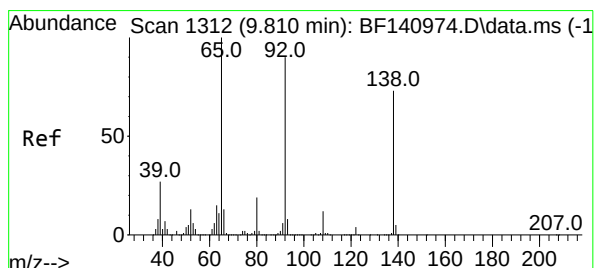
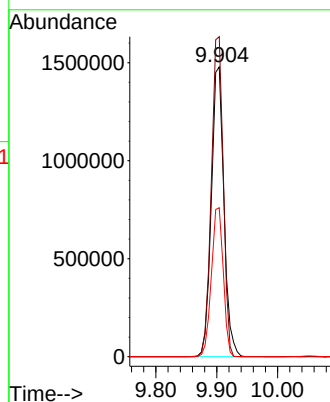
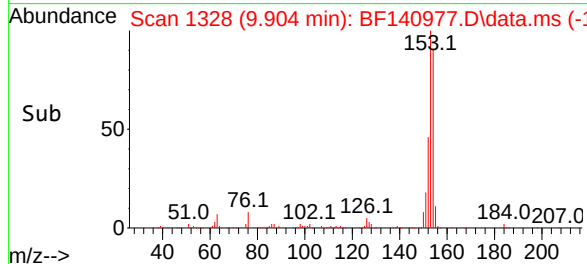
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:154 Resp: 2125174
Ion Ratio Lower Upper
154 100
153 110.5 89.2 133.8
152 51.4 40.9 61.3

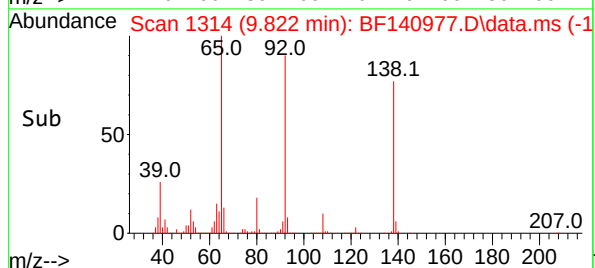
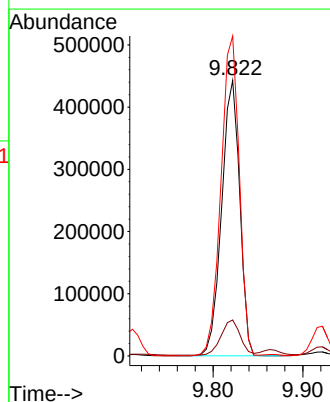
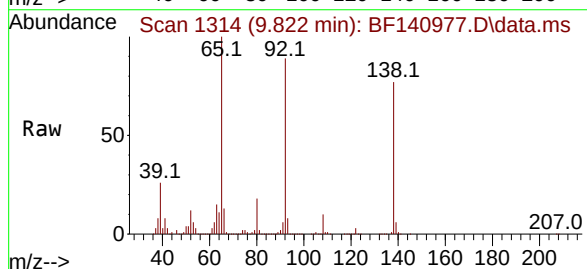
Manual Integrations
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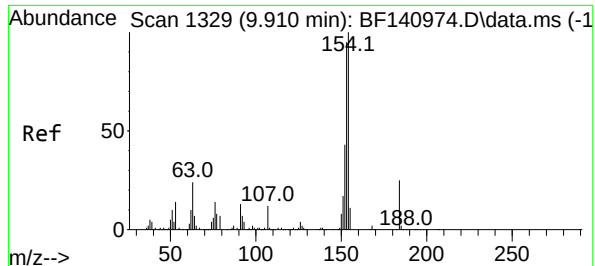
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#53
3-Nitroaniline
Concen: 79.606 ng
RT: 9.822 min Scan# 1314
Delta R.T. 0.012 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:138 Resp: 618458
Ion Ratio Lower Upper
138 100
108 13.0 13.5 20.3#
92 116.1 97.7 146.5





#54

2,4-Dinitrophenol

Concen: 79.264 ng

RT: 9.922 min Scan# 11

Delta R.T. 0.012 min

Lab File: BF140977.D

Acq: 26 Dec 2024 19:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:184 Resp: 21748

Ion Ratio Lower Upper

184 100

63 69.9 81.6 122.4

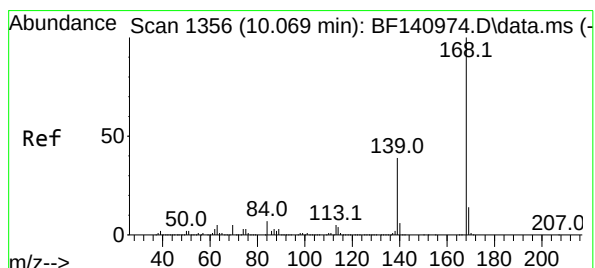
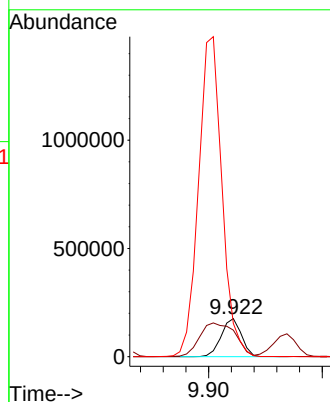
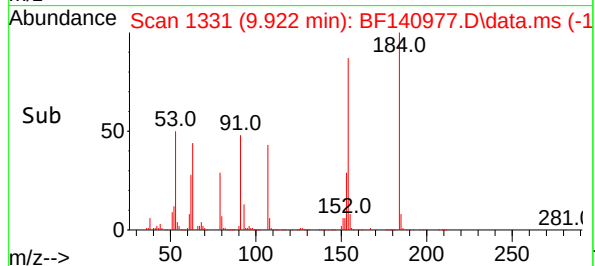
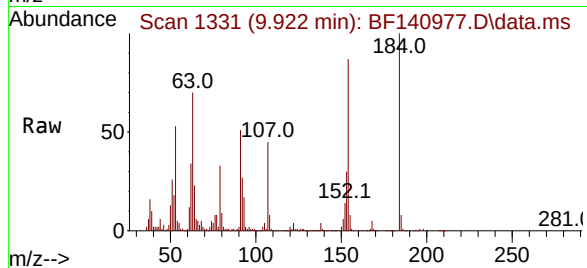
154 87.2 363.5 545.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#55

Dibenzofuran

Concen: 68.424 ng

RT: 10.075 min Scan# 1357

Delta R.T. 0.006 min

Lab File: BF140977.D

Acq: 26 Dec 2024 19:25

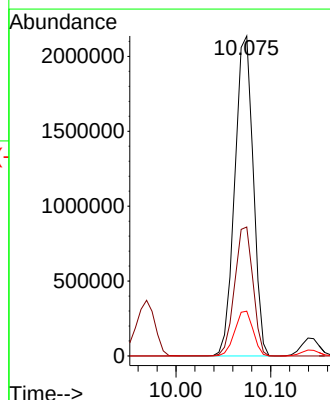
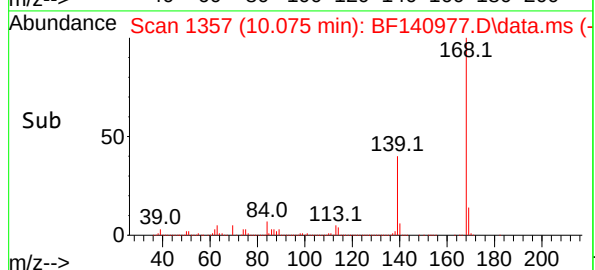
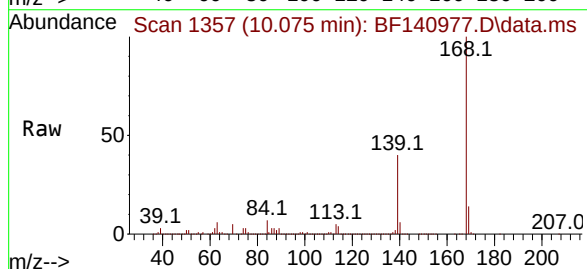
Tgt Ion:168 Resp: 2876315

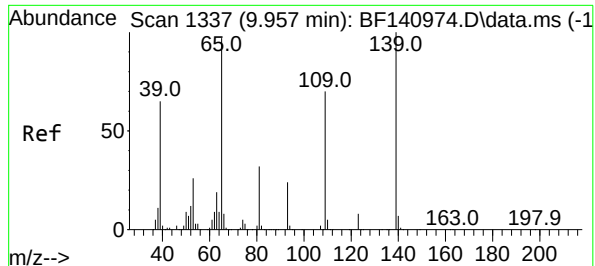
Ion Ratio Lower Upper

168 100

139 40.3 31.6 47.4

169 14.0 11.0 16.6





#56

4-Nitrophenol

Concen: 89.372 ng

RT: 9.969 min Scan# 1339

Delta R.T. 0.012 min

Lab File: BF140977.D

Acq: 26 Dec 2024 19:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:139 Resp: 520450

Ion Ratio Lower Upper

139 100

109 68.8 50.8 90.8

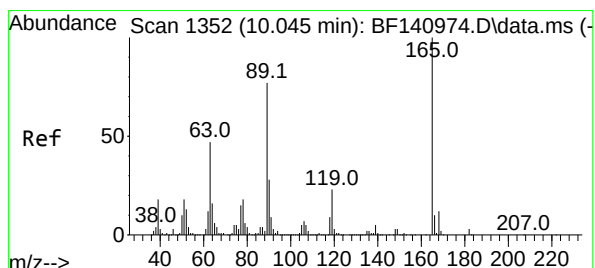
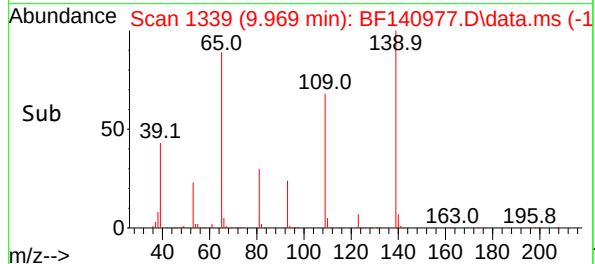
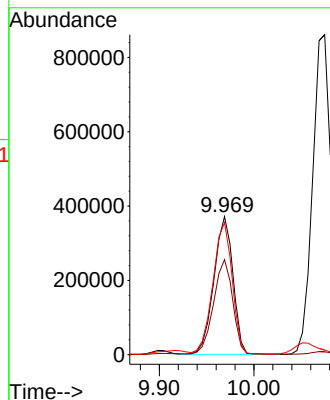
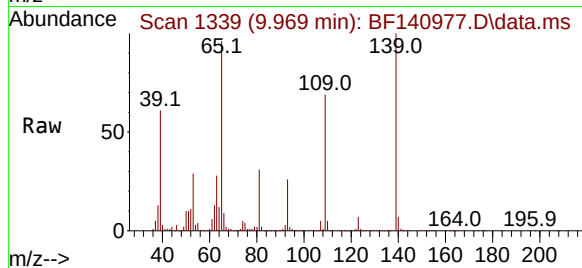
65 95.6 78.5 118.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#57

2,4-Dinitrotoluene

Concen: 79.614 ng

RT: 10.051 min Scan# 1353

Delta R.T. 0.006 min

Lab File: BF140977.D

Acq: 26 Dec 2024 19:25

Tgt Ion:165 Resp: 704156

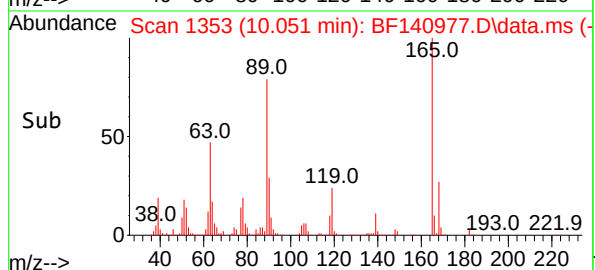
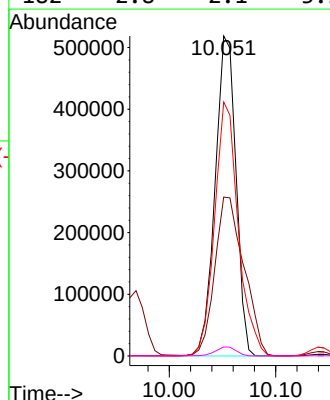
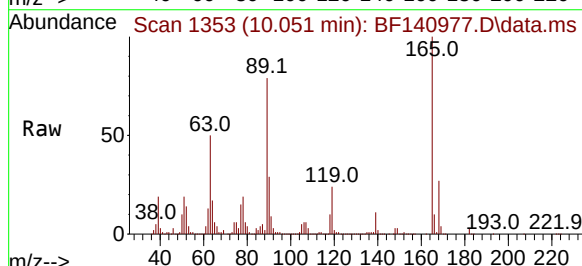
Ion Ratio Lower Upper

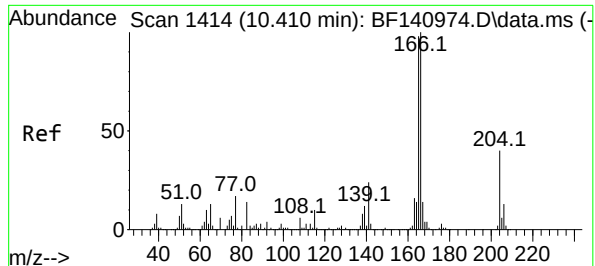
165 100

63 49.6 38.1 57.1

89 79.3 61.4 92.2

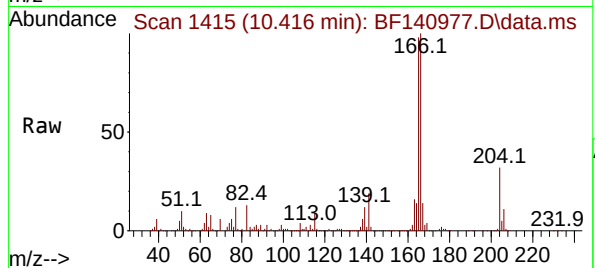
182 2.8 2.1 3.1





#58
Fluorene
Concen: 67.635 ng
RT: 10.416 min Scan# 1414
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

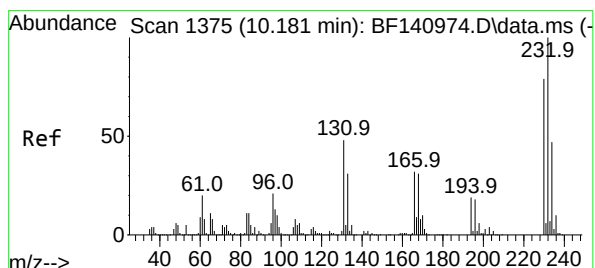
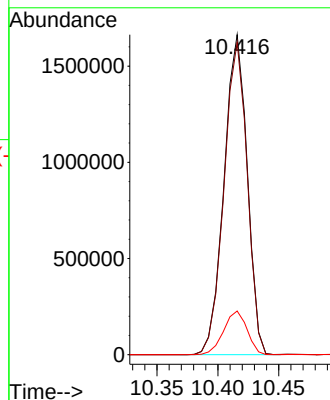
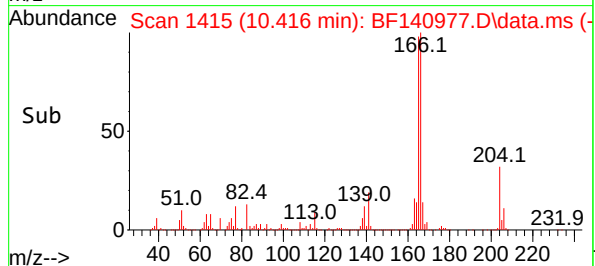
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:166 Resp: 2204698
Ion Ratio Lower Upper
166 100
165 97.6 78.3 117.5
167 13.7 10.9 16.3

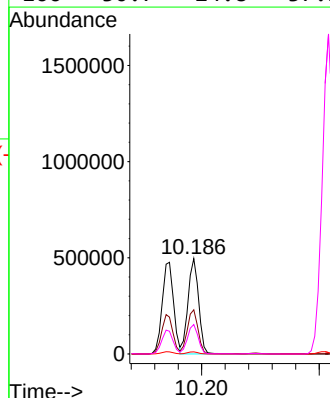
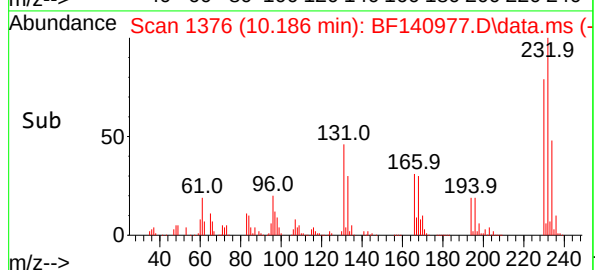
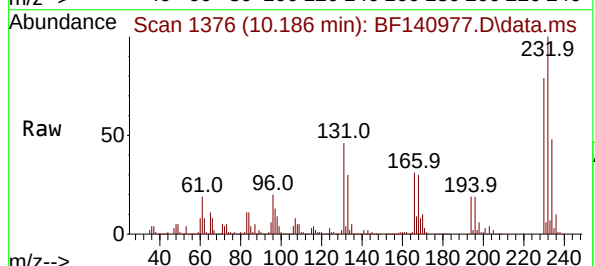
Manual Integrations
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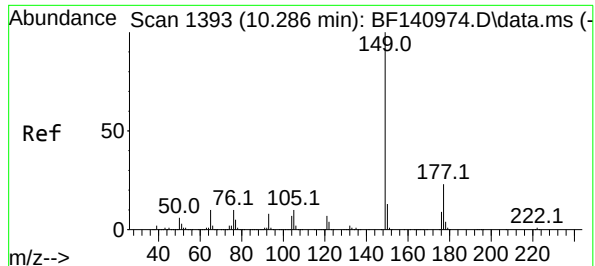
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#59
2,3,4,6-Tetrachlorophenol
Concen: 77.824 ng
RT: 10.186 min Scan# 1376
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:232 Resp: 624965
Ion Ratio Lower Upper
232 100
131 46.4 37.4 56.2
130 2.3 1.8 2.8
166 30.7 24.8 37.2





#60

Diethylphthalate

Concen: 72.349 ng

RT: 10.292 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF140977.D

Acq: 26 Dec 2024 19:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:149 Resp: 243154

Ion Ratio Lower Upper

149 100

177 23.4 18.3 27.5

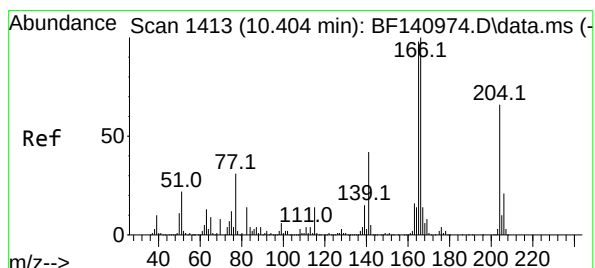
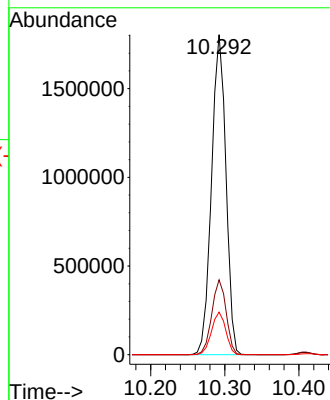
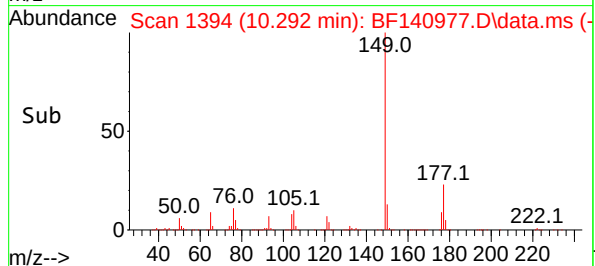
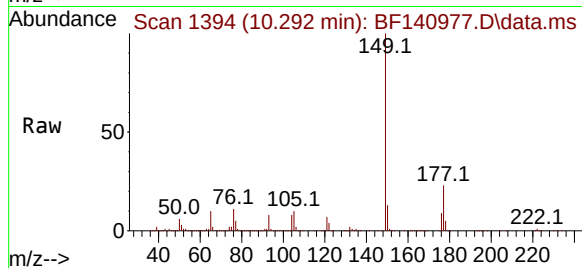
150 13.3 10.4 15.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#61

4-Chlorophenyl-phenylether

Concen: 68.724 ng

RT: 10.410 min Scan# 1414

Delta R.T. 0.006 min

Lab File: BF140977.D

Acq: 26 Dec 2024 19:25

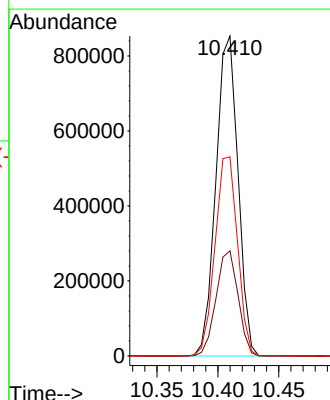
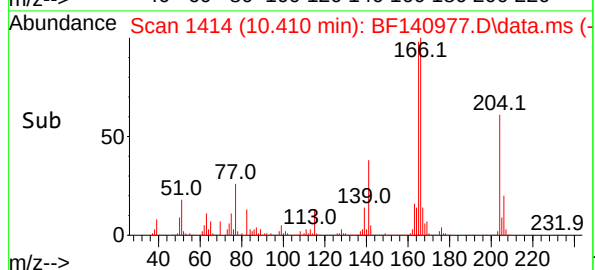
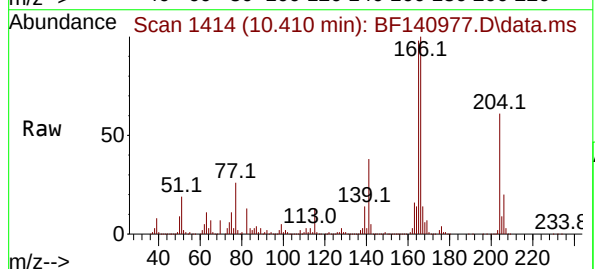
Tgt Ion:204 Resp: 1077930

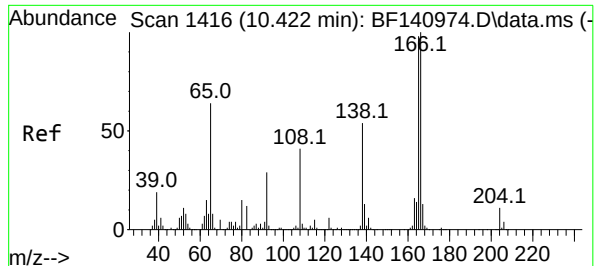
Ion Ratio Lower Upper

204 100

206 32.9 25.8 38.6

141 62.2 51.2 76.8





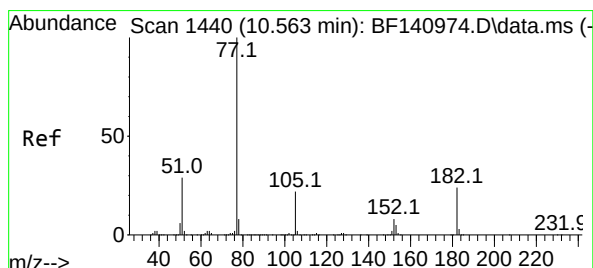
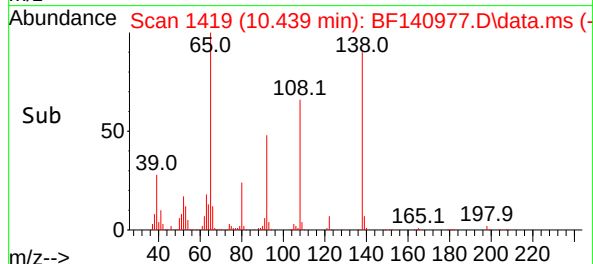
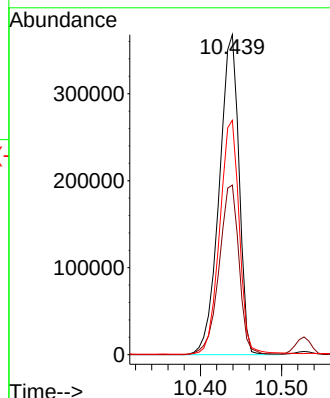
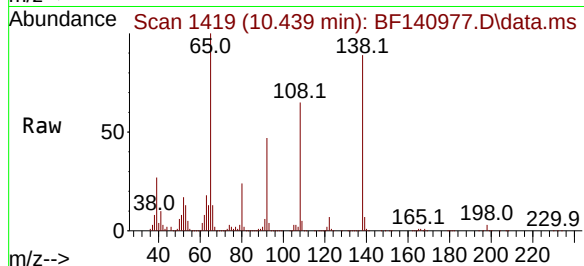
#62
4-Nitroaniline
Concen: 80.074 ng
RT: 10.439 min Scan# 1419
Delta R.T. 0.017 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:138 Resp: 622110
Ion Ratio Lower Upper
138 100
92 53.0 34.8 74.8
108 73.2 55.9 95.9

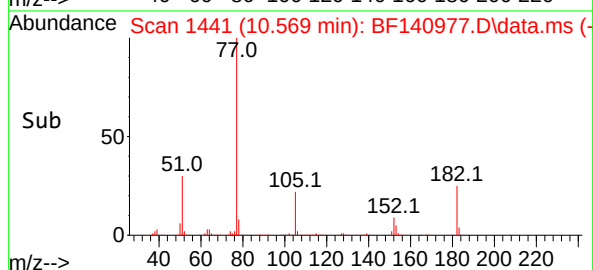
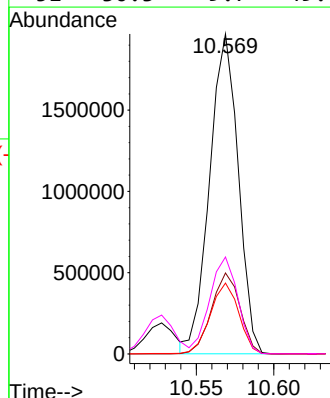
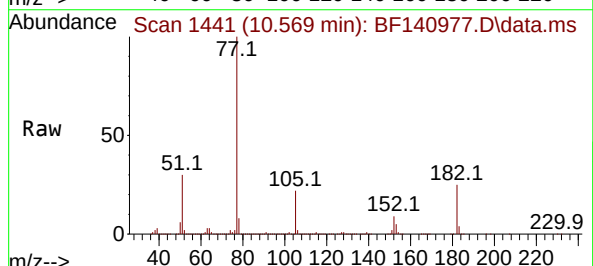
Manual Integrations
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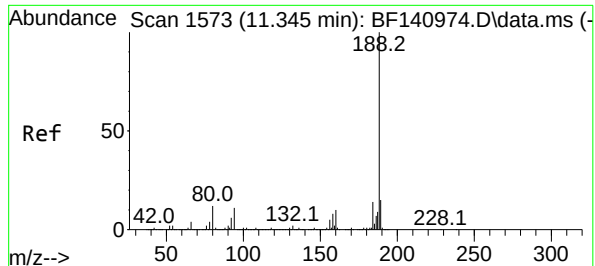
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#63
Azobenzene
Concen: 71.600 ng
RT: 10.569 min Scan# 1441
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion: 77 Resp: 2525786
Ion Ratio Lower Upper
77 100
182 25.3 4.1 44.1
105 22.2 1.8 41.8
51 30.3 9.7 49.7





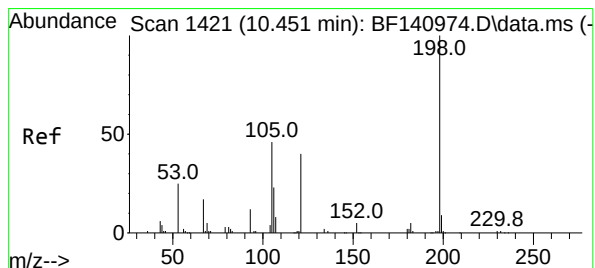
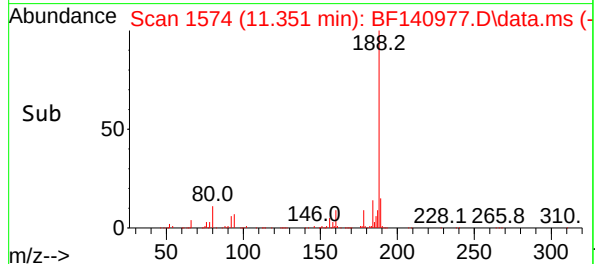
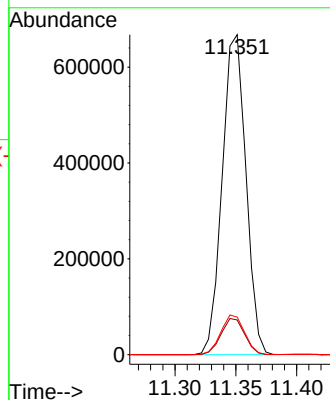
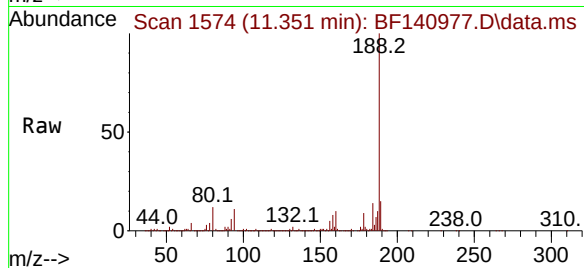
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:188 Resp: 90597
Ion Ratio Lower Upper
188 100
94 10.8 9.0 13.6
80 11.7 9.8 14.6

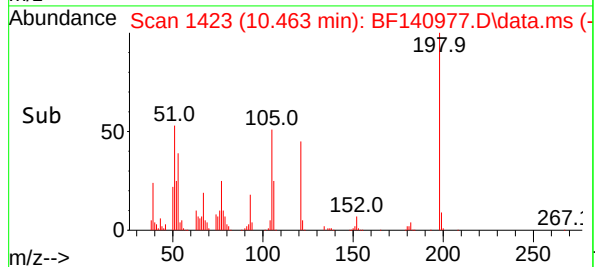
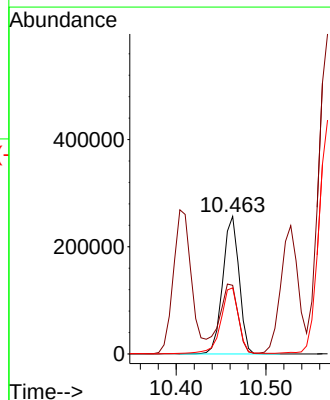
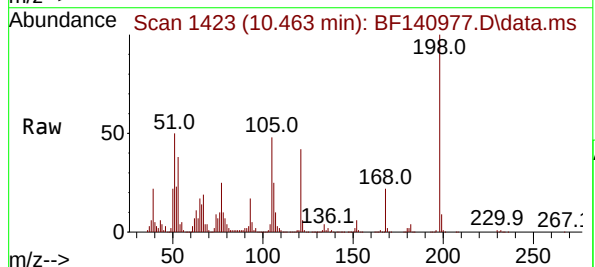
Manual Integrations
APPROVED

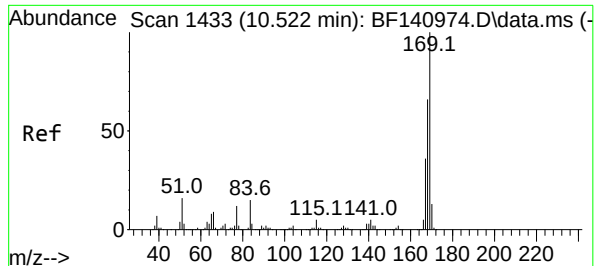
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#65
4,6-Dinitro-2-methylphenol
Concen: 81.463 ng
RT: 10.463 min Scan# 1423
Delta R.T. 0.012 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

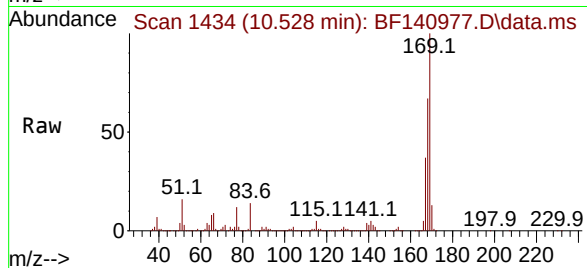
Tgt Ion:198 Resp: 323476
Ion Ratio Lower Upper
198 100
51 49.9 32.3 72.3
105 48.0 28.4 68.4





#66
n-Nitrosodiphenylamine
Concen: 70.890 ng
RT: 10.528 min Scan# 1433
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

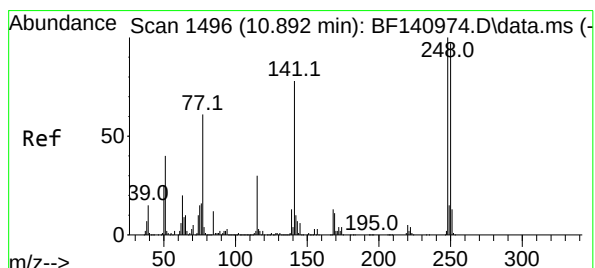
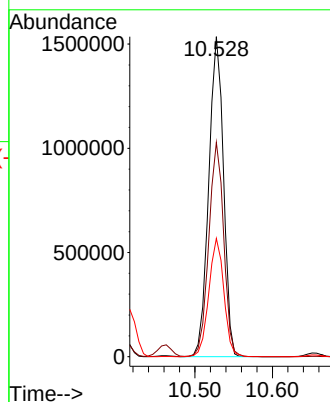
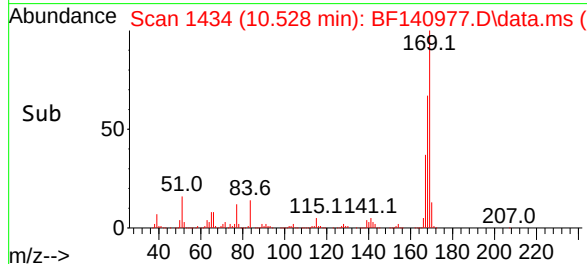
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



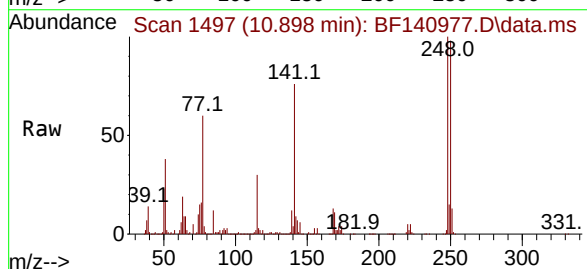
Tgt Ion:169 Resp: 202241
Ion Ratio Lower Upper
169 100
168 67.0 52.6 79.0
167 36.9 29.0 43.4

Manual Integrations
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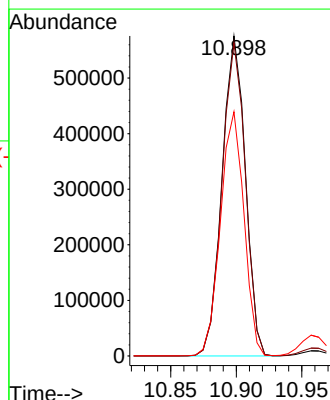
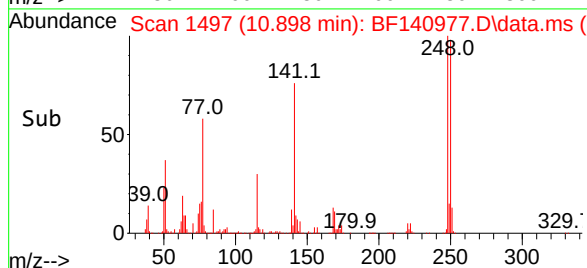
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

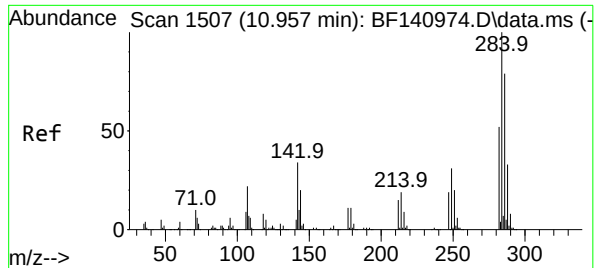


#67
4-Bromophenyl-phenylether
Concen: 72.884 ng
RT: 10.898 min Scan# 1497
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25



Tgt Ion:248 Resp: 713807
Ion Ratio Lower Upper
248 100
250 97.8 77.7 116.5
141 76.3 62.1 93.1





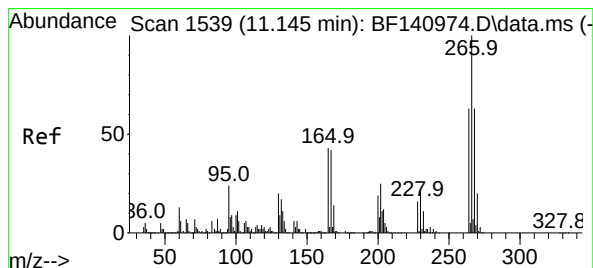
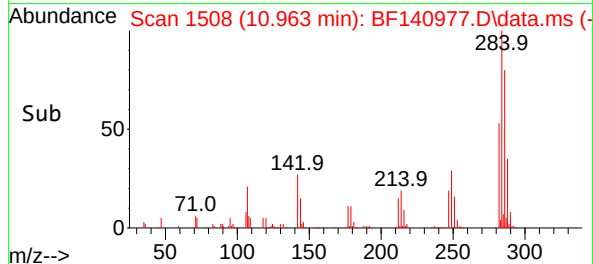
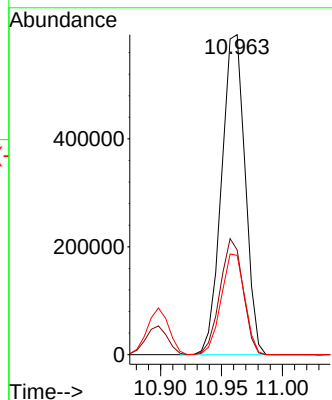
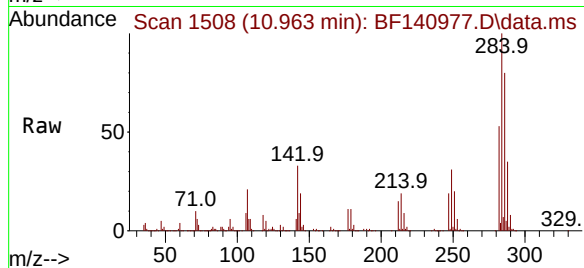
#68
Hexachlorobenzene
Concen: 73.971 ng
RT: 10.963 min Scan# 1508
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:284 Resp: 79882
Ion Ratio Lower Upper
284 100
142 32.8 27.1 40.7
249 31.0 25.1 37.7

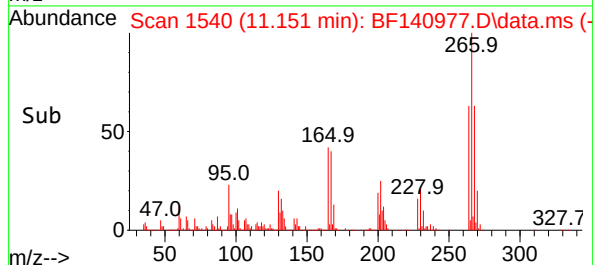
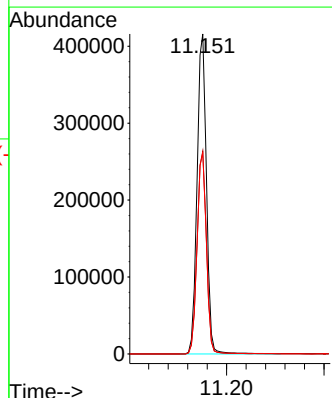
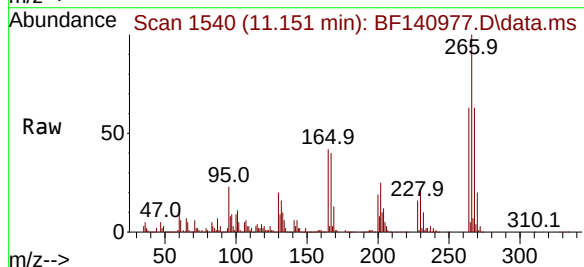
Manual Integrations
APPROVED

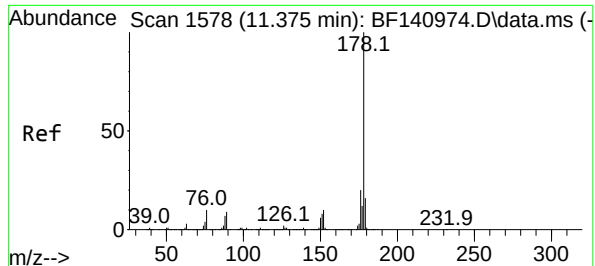
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#70
Pentachlorophenol
Concen: 83.248 ng
RT: 11.151 min Scan# 1540
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:266 Resp: 559728
Ion Ratio Lower Upper
266 100
268 63.3 50.5 75.7
264 62.9 50.2 75.4





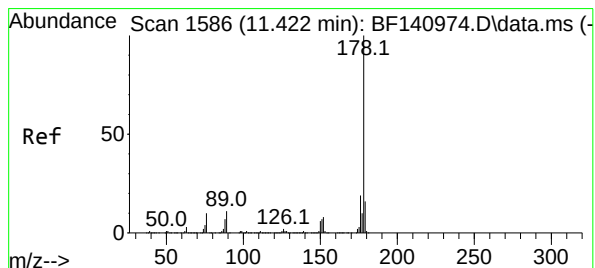
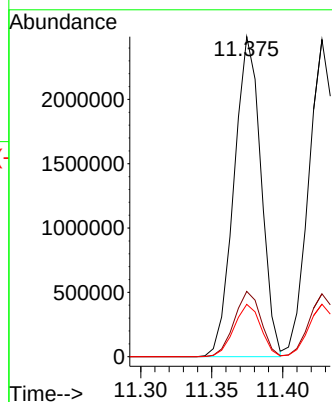
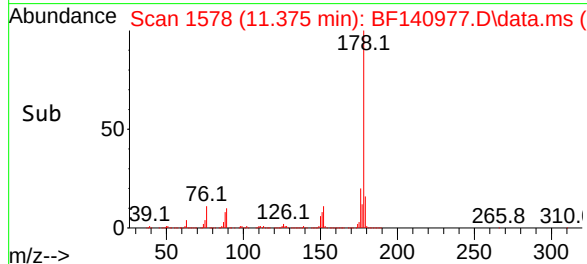
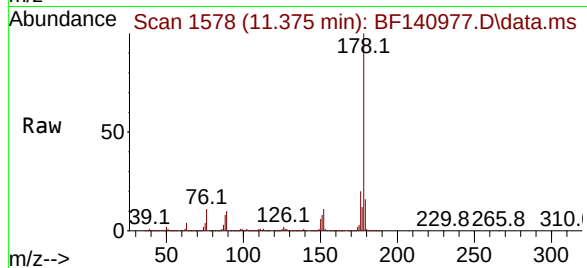
#71
Phenanthrene
Concen: 68.921 ng
RT: 11.375 min Scan# 1578
Delta R.T. 0.000 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:178 Resp: 328628
Ion Ratio Lower Upper
178 100
176 20.4 15.8 23.6
179 16.4 12.6 19.0

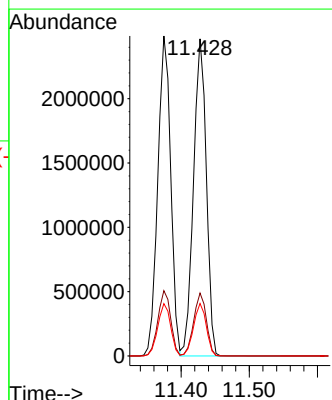
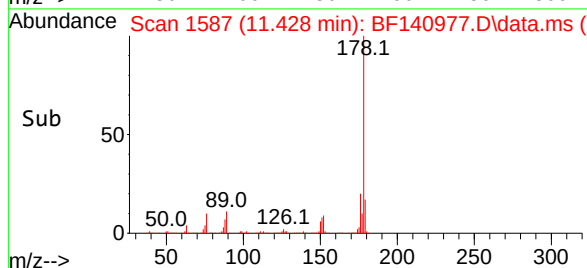
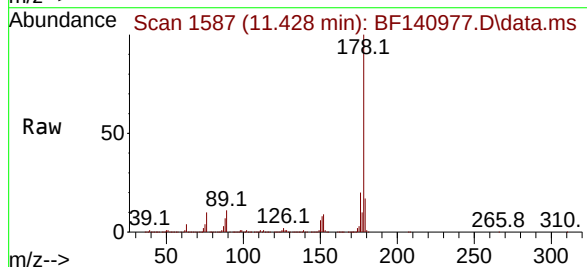
Manual Integrations
APPROVED

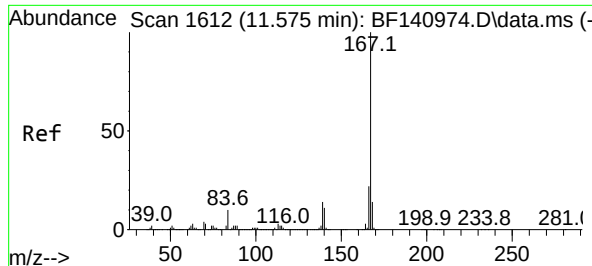
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#72
Anthracene
Concen: 68.578 ng
RT: 11.428 min Scan# 1587
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

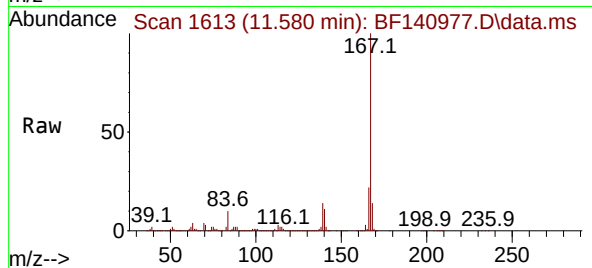
Tgt Ion:178 Resp: 3204142
Ion Ratio Lower Upper
178 100
176 19.9 15.3 22.9
179 16.6 12.9 19.3





#73
 Carbazole
 Concen: 69.118 ng
 RT: 11.580 min Scan# 1612
 Delta R.T. 0.006 min
 Lab File: BF140977.D
 Acq: 26 Dec 2024 19:25

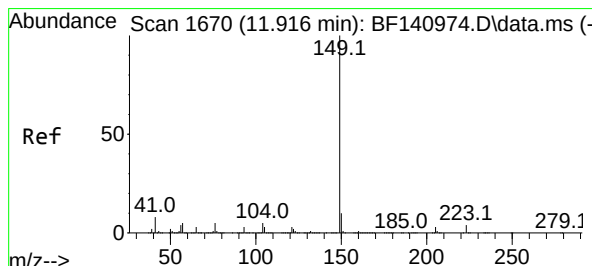
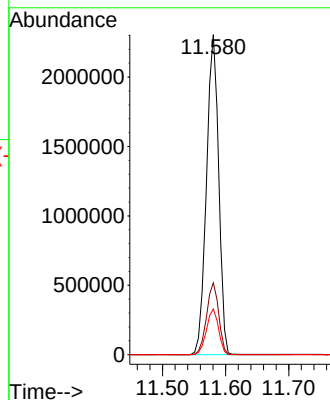
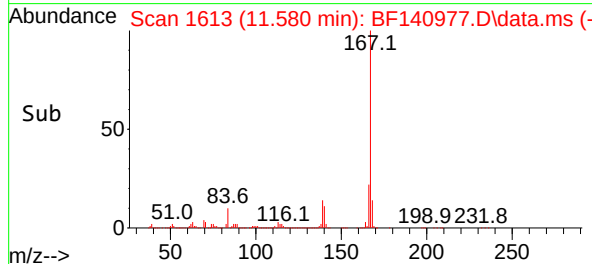
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC080



Tgt Ion:167 Resp: 3104460
 Ion Ratio Lower Upper
 167 100
 166 22.5 17.5 26.3
 139 14.3 11.0 16.4

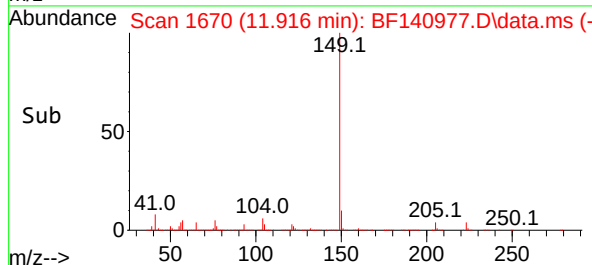
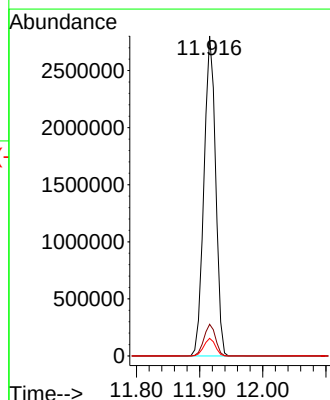
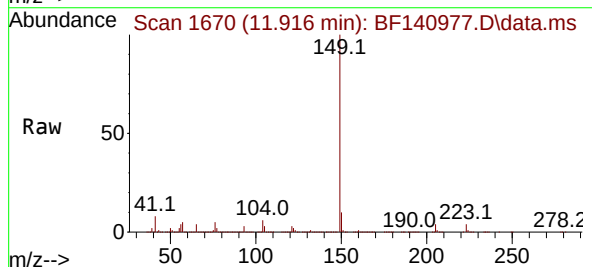
Manual Integrations
 APPROVED

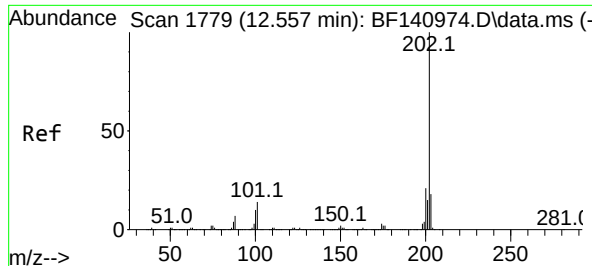
Reviewed By :Yogesh Patel 12/27/2024
 Supervised By :mohammad ahmed 12/27/2024



#74
 Di-n-butylphthalate
 Concen: 70.229 ng
 RT: 11.916 min Scan# 1670
 Delta R.T. 0.000 min
 Lab File: BF140977.D
 Acq: 26 Dec 2024 19:25

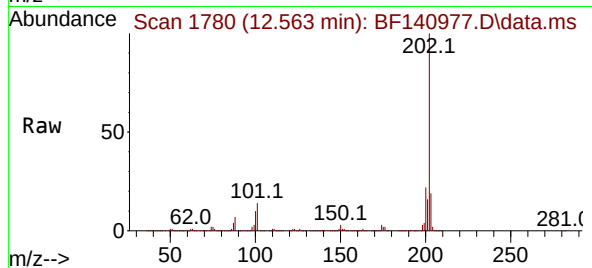
Tgt Ion:149 Resp: 3587776
 Ion Ratio Lower Upper
 149 100
 150 9.9 7.7 11.5
 104 5.5 4.1 6.1





#75
Fluoranthene
Concen: 67.687 ng
RT: 12.563 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

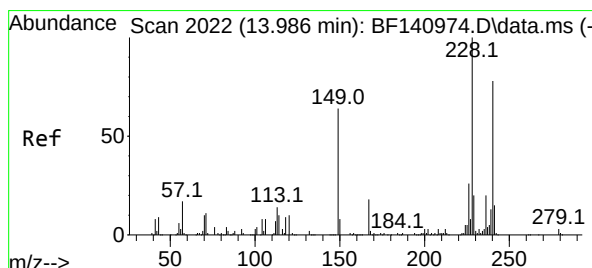
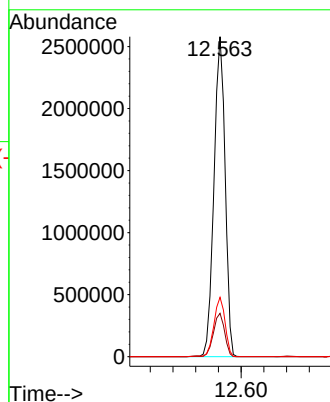
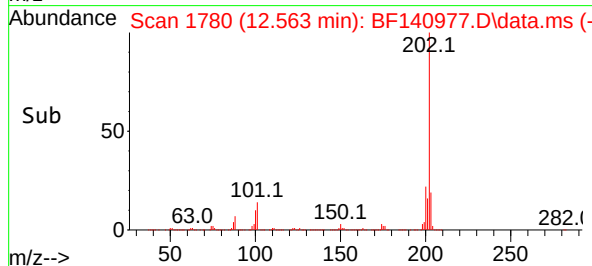
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:202 Resp: 3500378
Ion Ratio Lower Upper
202 100
101 13.5 0.0 33.7
203 18.6 0.0 38.1

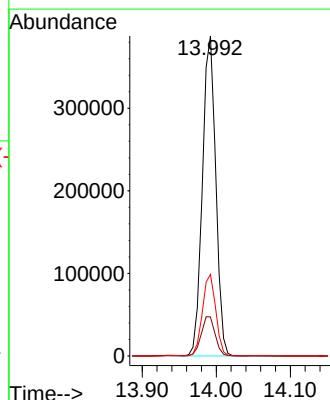
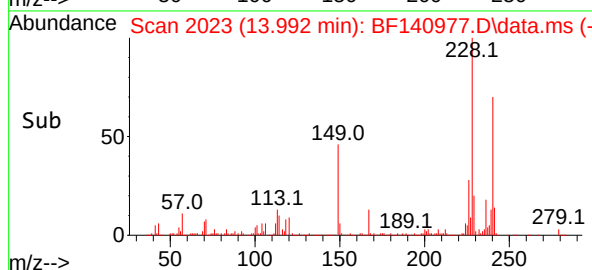
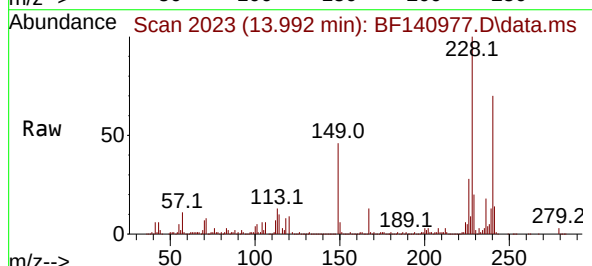
Manual Integrations
APPROVED

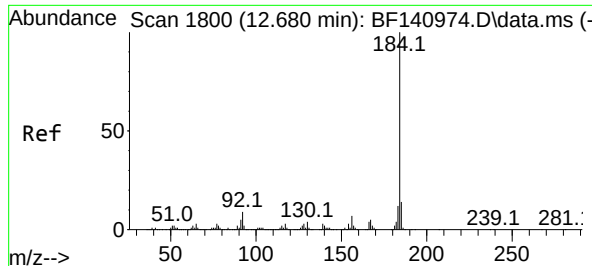
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.992 min Scan# 2023
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

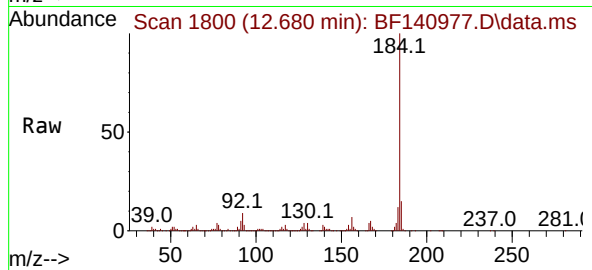
Tgt Ion:240 Resp: 487461
Ion Ratio Lower Upper
240 100
120 12.2 10.7 16.1
236 25.5 20.6 31.0





#77
Benzidine
Concen: 76.072 ng
RT: 12.680 min Scan# 1800
Delta R.T. 0.000 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

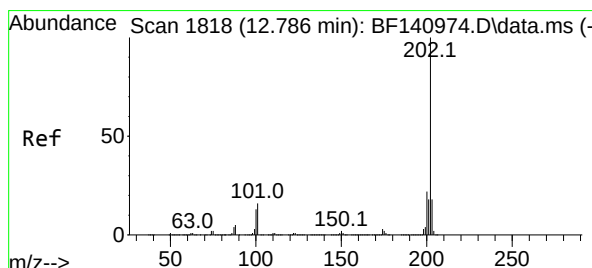
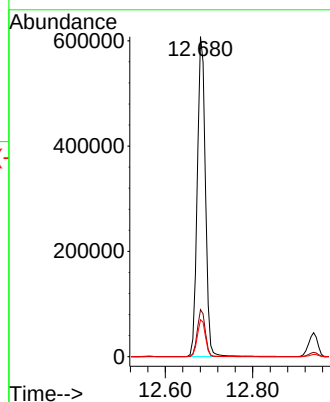
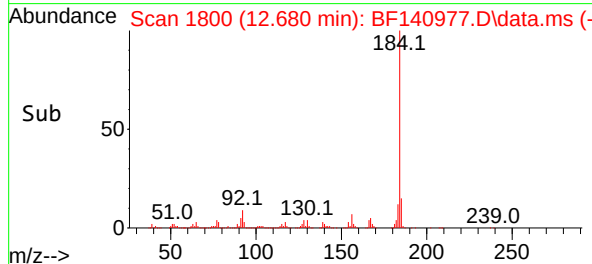
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:184 Resp: 78369
Ion Ratio Lower Upper
184 100
185 14.7 11.4 17.2
183 11.6 9.4 14.0

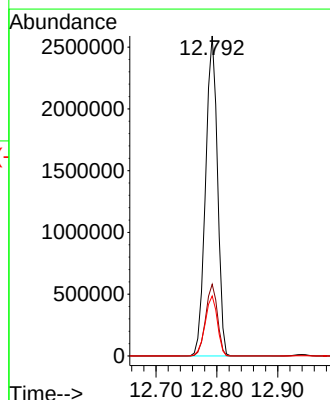
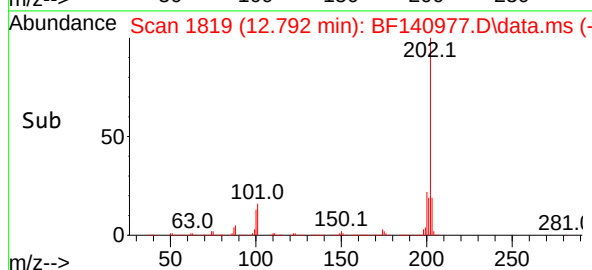
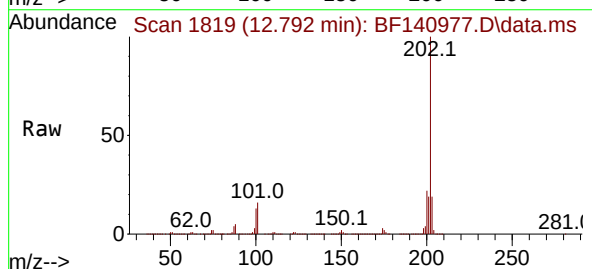
Manual Integrations
APPROVED

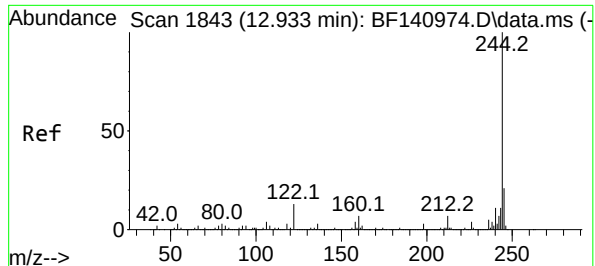
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#78
Pyrene
Concen: 82.441 ng
RT: 12.792 min Scan# 1819
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

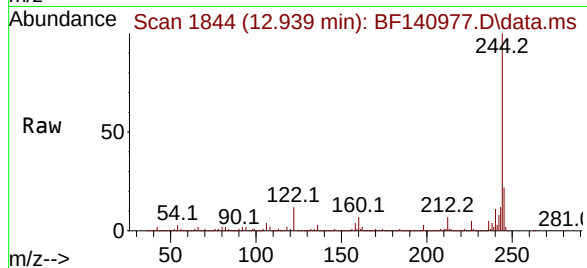
Tgt Ion:202 Resp: 3514654
Ion Ratio Lower Upper
202 100
200 22.4 17.3 25.9
203 18.8 14.6 21.8





#79
Terphenyl-d14
Concen: 160.683 ng
RT: 12.939 min Scan# 1844
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

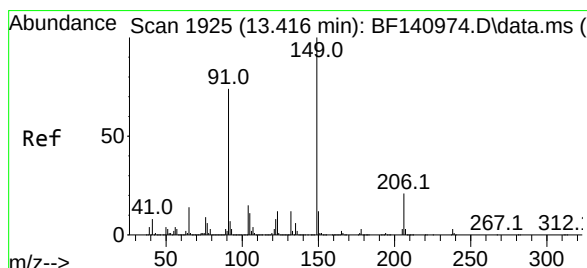
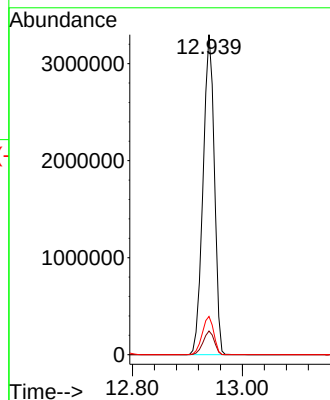
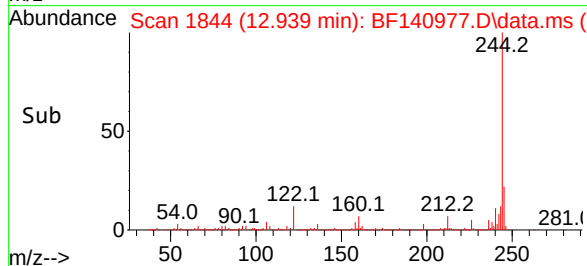
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



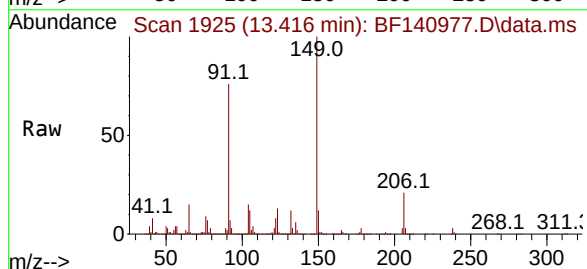
Tgt Ion:244 Resp: 4715640
Ion Ratio Lower Upper
244 100
212 7.4 5.7 8.5
122 12.0 10.2 15.2

Manual Integrations
APPROVED

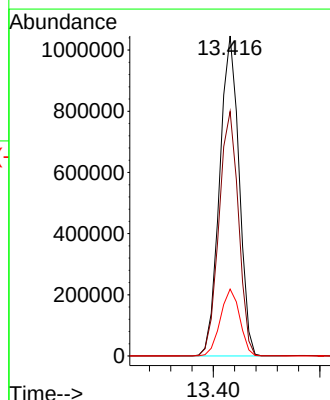
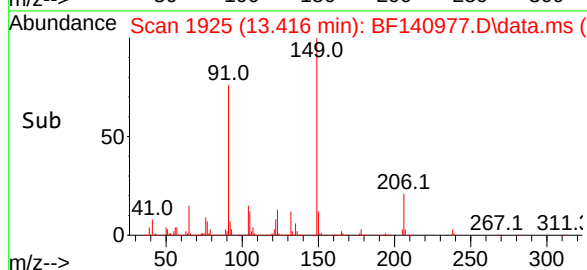
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

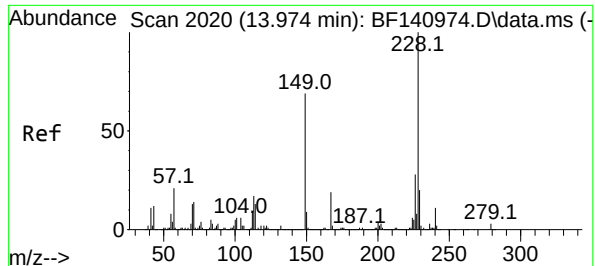


#80
Butylbenzylphthalate
Concen: 85.018 ng
RT: 13.416 min Scan# 1925
Delta R.T. 0.000 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25



Tgt Ion:149 Resp: 1323506
Ion Ratio Lower Upper
149 100
91 76.4 59.5 89.3
206 20.9 17.1 25.7





#81
Benzo(a)anthracene
Concen: 71.825 ng
RT: 13.980 min Scan# 2015
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Instrument :

BNA_F

ClientSampleId :

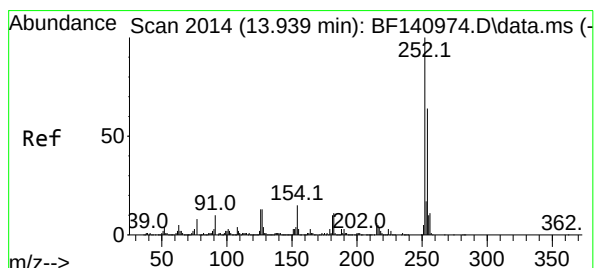
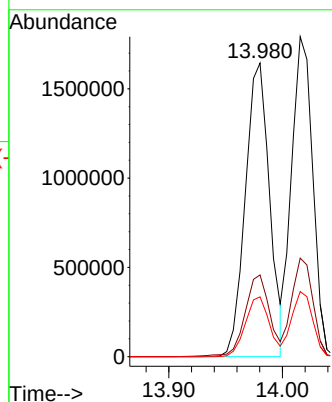
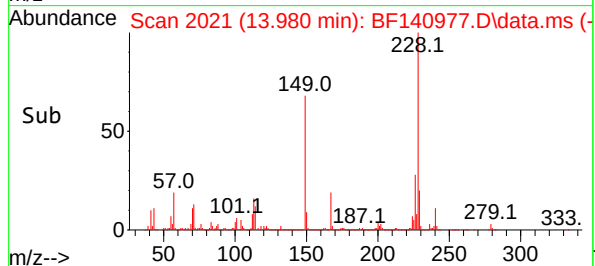
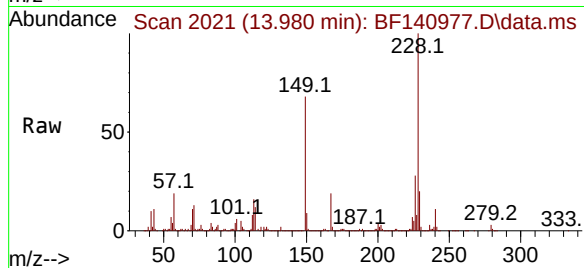
SSTDICC080

Tgt Ion:228 Resp: 2440118
Ion Ratio Lower Upper
228 100
226 27.9 22.1 33.1
229 20.4 16.2 24.2

Manual Integrations

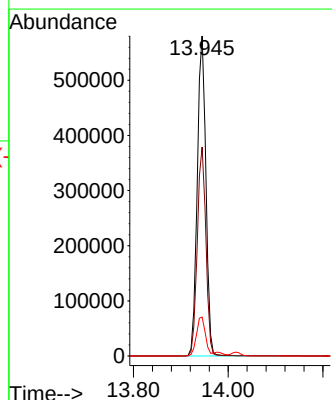
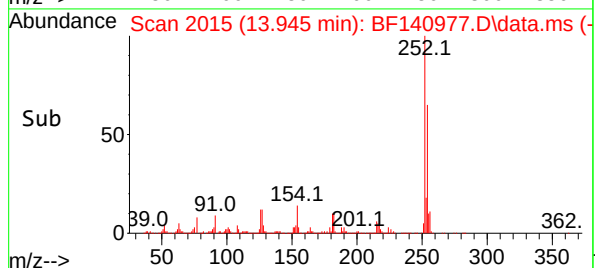
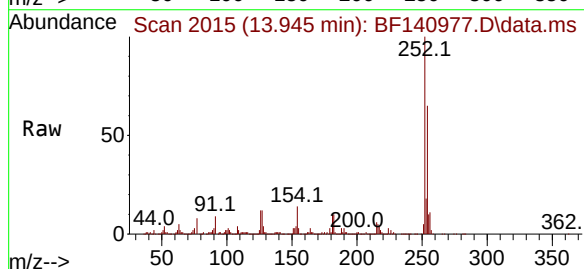
APPROVED

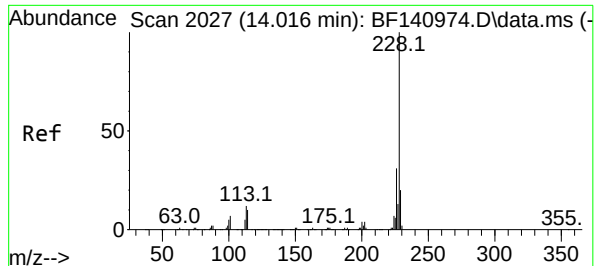
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#82
3,3'-Dichlorobenzidine
Concen: 72.073 ng
RT: 13.945 min Scan# 2015
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

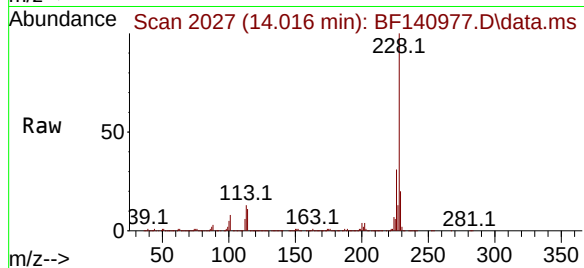
Tgt Ion:252 Resp: 735658
Ion Ratio Lower Upper
252 100
254 65.3 51.5 77.3
126 12.2 10.3 15.5





#83
Chrysene
Concen: 75.793 ng
RT: 14.016 min Scan# 2027
Delta R.T. 0.000 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

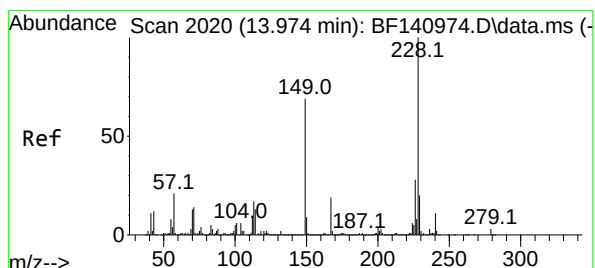
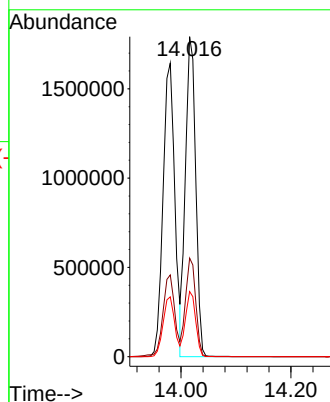
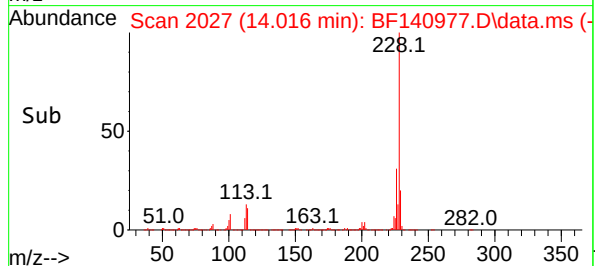
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:228 Resp: 2321200
Ion Ratio Lower Upper
228 100
226 30.8 24.5 36.7
229 20.4 16.2 24.4

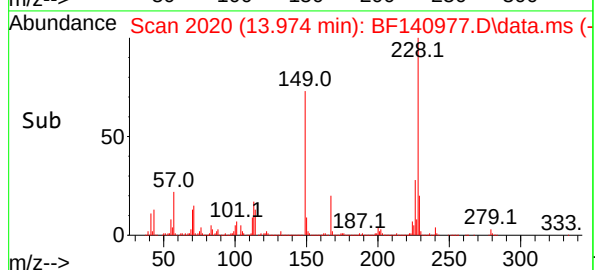
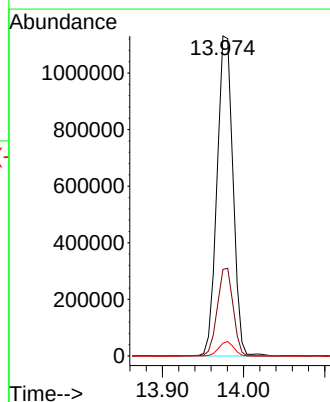
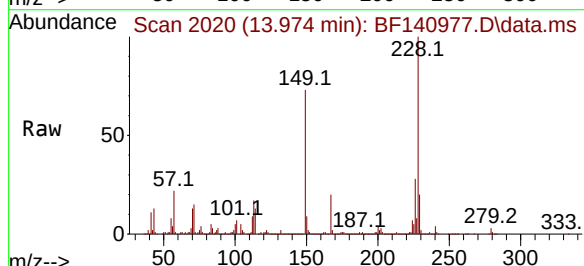
Manual Integrations
APPROVED

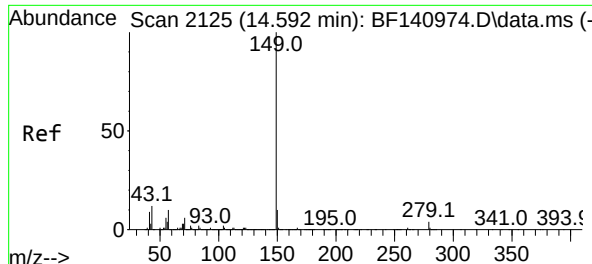
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#84
Bis(2-ethylhexyl)phthalate
Concen: 76.541 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

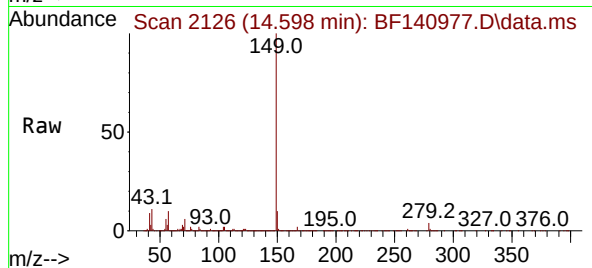
Tgt Ion:149 Resp: 1545595
Ion Ratio Lower Upper
149 100
167 27.1 21.6 32.4
279 4.0 3.2 4.8





#85
Di-n-octyl phthalate
Concen: 79.458 ng
RT: 14.598 min Scan# 2126
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

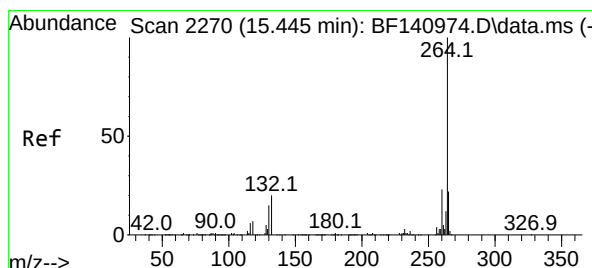
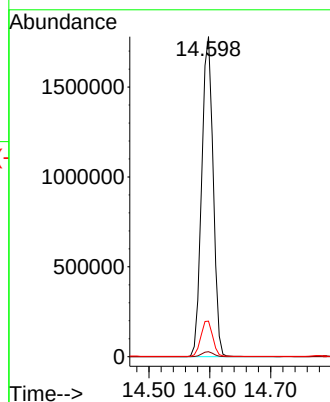
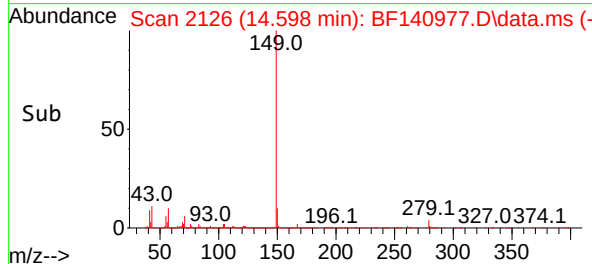
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:149 Resp: 232226
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 11.5 9.3 13.9

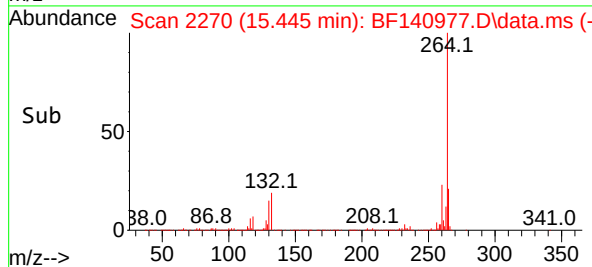
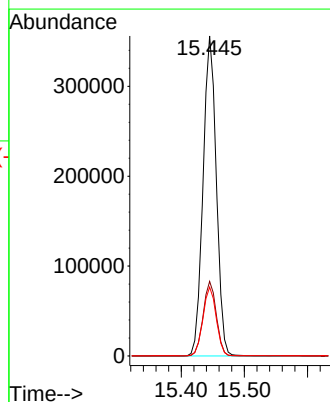
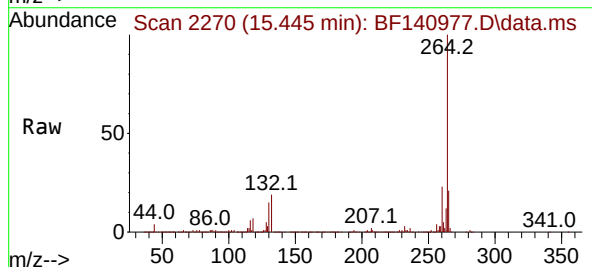
Manual Integrations
APPROVED

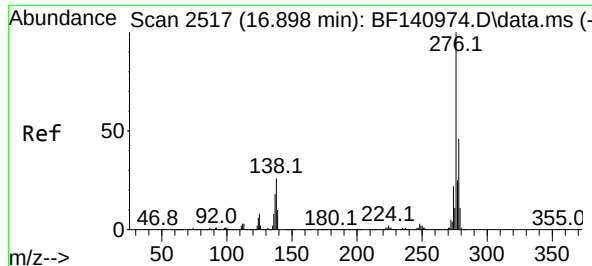
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

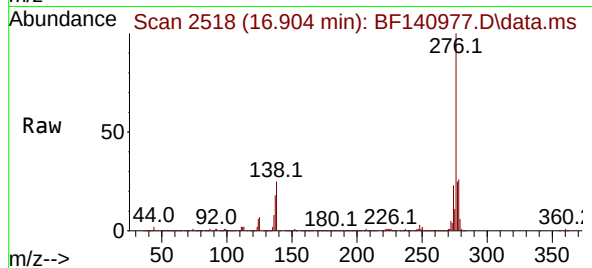
Tgt Ion:264 Resp: 520884
Ion Ratio Lower Upper
264 100
260 23.3 18.7 28.1
265 21.5 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 88.322 ng
RT: 16.904 min Scan# 2119
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

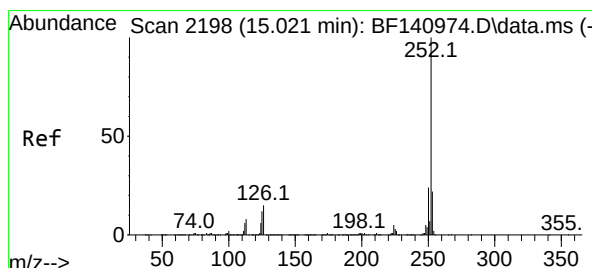
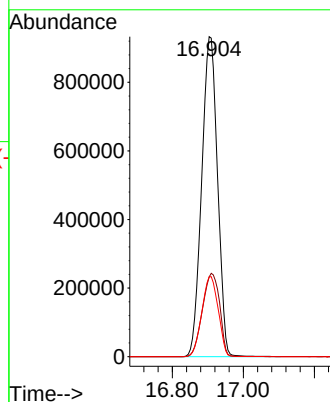
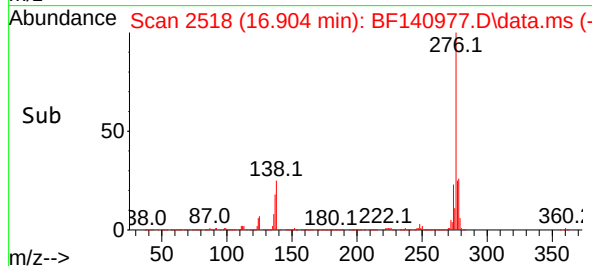
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:276 Resp: 2898440
Ion Ratio Lower Upper
276 100
138 28.3 23.1 34.7
277 25.8 20.4 30.6

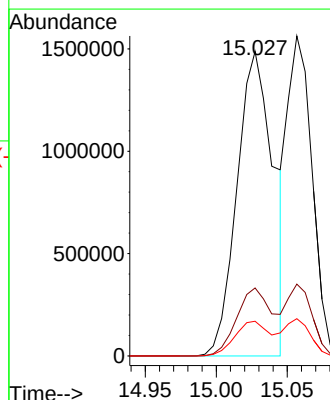
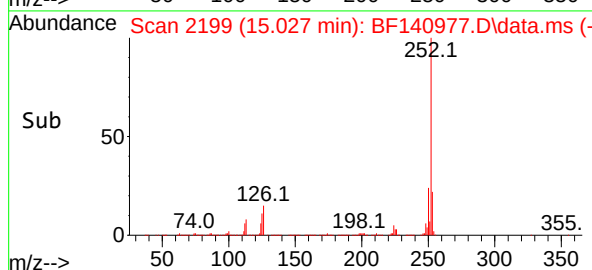
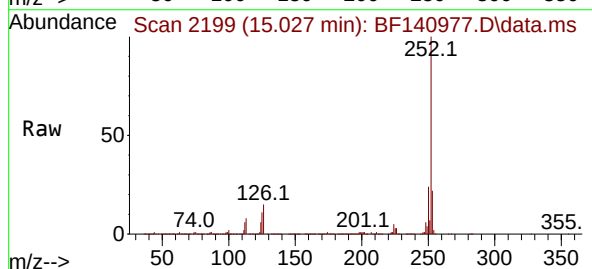
Manual Integrations
APPROVED

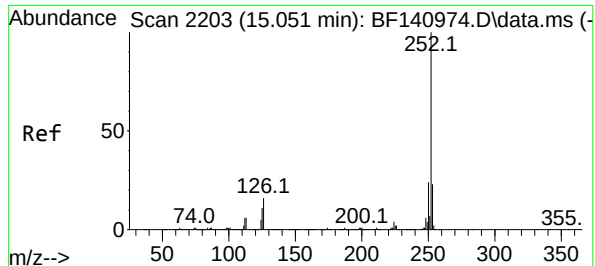
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#88
Benzo(b)fluoranthene
Concen: 73.152 ng
RT: 15.027 min Scan# 2199
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:252 Resp: 2657521
Ion Ratio Lower Upper
252 100
253 22.3 17.7 26.5
125 11.4 9.3 13.9





#89

Benzo(k)fluoranthene

Concen: 66.649 ng

RT: 15.057 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF140977.D

Acq: 26 Dec 2024 19:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:252 Resp: 189770

Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.8

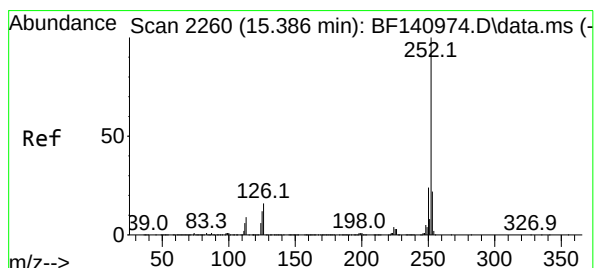
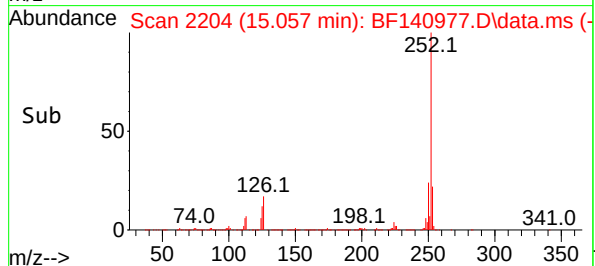
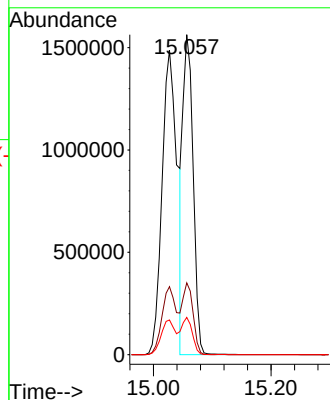
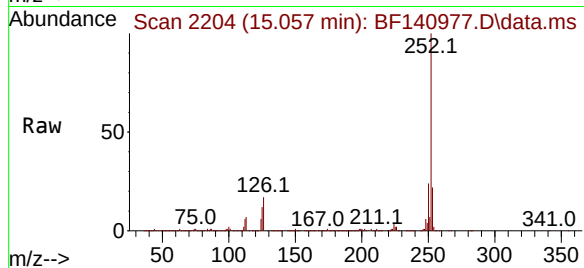
125 11.7 9.4 14.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#90

Benzo(a)pyrene

Concen: 74.410 ng

RT: 15.392 min Scan# 2261

Delta R.T. 0.006 min

Lab File: BF140977.D

Acq: 26 Dec 2024 19:25

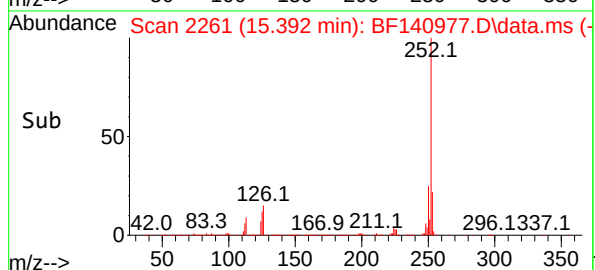
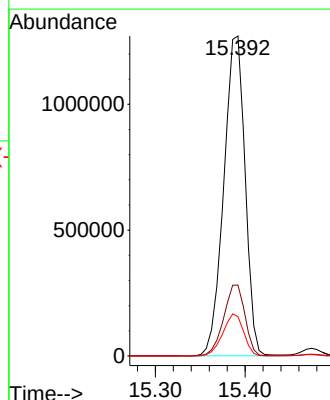
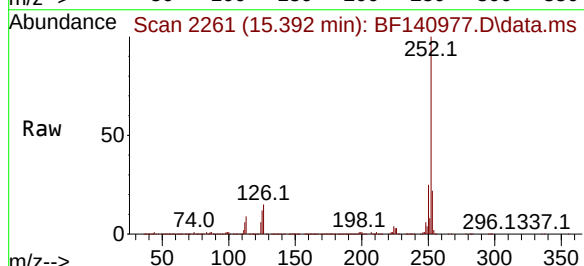
Tgt Ion:252 Resp: 2098162

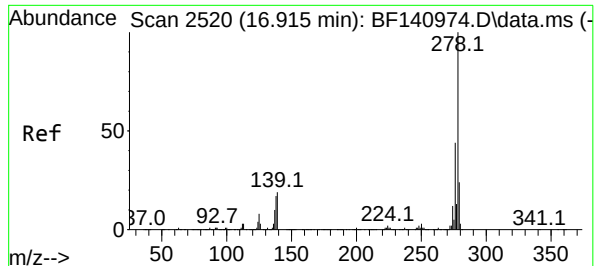
Ion Ratio Lower Upper

252 100

253 22.2 17.2 25.8

125 12.3 9.8 14.8





#91

Dibenzo(a,h)anthracene

Concen: 87.749 ng

RT: 16.927 min Scan# 2522

Delta R.T. 0.012 min

Lab File: BF140977.D

Acq: 26 Dec 2024 19:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:278 Resp: 233426

Ion Ratio Lower Upper

278 100

139 18.5 14.9 22.3

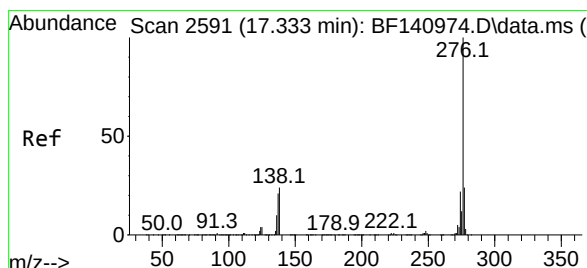
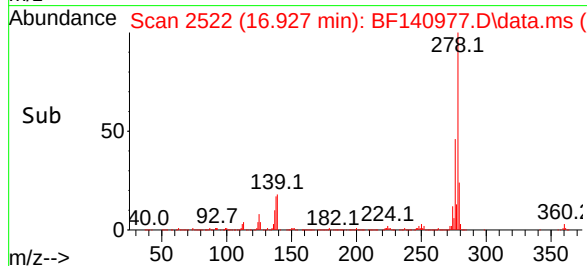
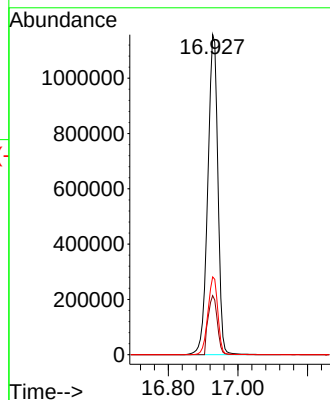
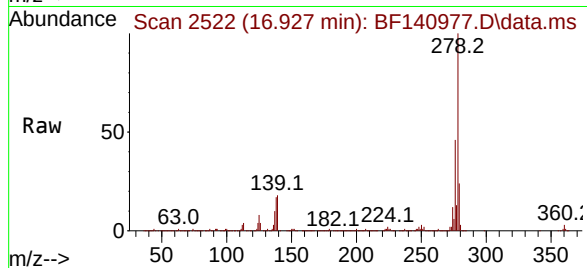
279 24.3 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#92

Benzo(g,h,i)perylene

Concen: 90.139 ng

RT: 17.351 min Scan# 2594

Delta R.T. 0.018 min

Lab File: BF140977.D

Acq: 26 Dec 2024 19:25

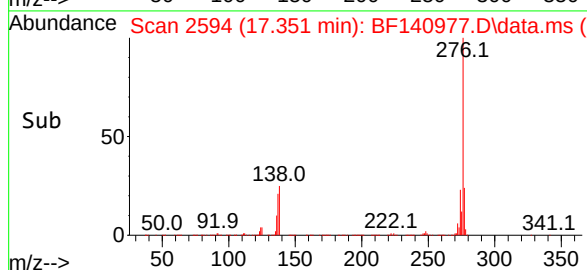
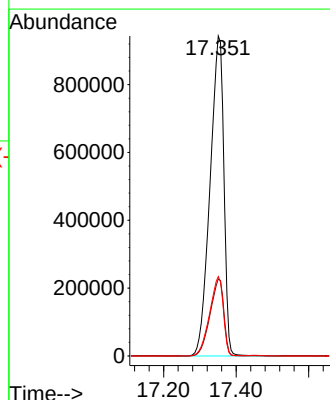
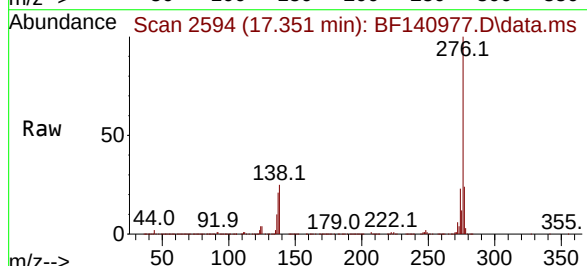
Tgt Ion:276 Resp: 2487019

Ion Ratio Lower Upper

276 100

277 24.1 19.0 28.4

138 24.8 19.4 29.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
 Data File : BF140978.D
 Acq On : 26 Dec 2024 19:52
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

ICVBF122624

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024

Quant Time: Dec 27 00:40:05 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Dec 27 00:31:16 2024

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	278910	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	1096814	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	586665	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	1025959	20.000	ng	0.00
76) Chrysene-d12	13.986	240	614249	20.000	ng	0.00
86) Perylene-d12	15.439	264	543067	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1428981	77.230	ng	0.00
7) Phenol-d6	6.451	99	1850114	77.619	ng	0.00
23) Nitrobenzene-d5	7.392	82	1567133	91.412	ng	0.00
42) 2,4,6-Tribromophenol	10.651	330	471519	82.713	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	2755058	74.821	ng	0.00
79) Terphenyl-d14	12.933	244	3082241	83.347	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.557	88	327350	39.078	ng	99
3) Pyridine	3.299	79	802921	39.221	ng	99
4) n-Nitrosodimethylamine	3.252	42	405836	39.126	ng	100
6) Aniline	6.487	93	854884	40.214	ng	99
8) 2-Chlorophenol	6.610	128	885691	45.402	ng	98
9) Benzaldehyde	6.375	77	487130	42.275	ng	100
10) Phenol	6.463	94	1150959	46.698	ng	99
11) bis(2-Chloroethyl)ether	6.569	93	783408	39.366	ng	98
12) 1,3-Dichlorobenzene	6.769	146	836638	38.861	ng	99
13) 1,4-Dichlorobenzene	6.845	146	881416	40.612	ng	100
14) 1,2-Dichlorobenzene	6.998	146	784556	38.772	ng	100
15) Benzyl Alcohol	6.969	79	680874	39.751	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.110	45	1153471	38.326	ng	99
17) 2-Methylphenol	7.075	107	642058	39.617	ng	100
18) Hexachloroethane	7.345	117	308596	40.027	ng	99
19) n-Nitroso-di-n-propyla...	7.245	70	596199	40.828	ng	100
20) 3+4-Methylphenols	7.228	107	806484	39.323	ng	99
22) Acetophenone	7.240	105	1020280	37.920	ng	99
24) Nitrobenzene	7.410	77	844017	44.060	ng	99
25) Isophorone	7.651	82	1437535	38.534	ng	99
26) 2-Nitrophenol	7.728	139	334326	43.185	ng	99
27) 2,4-Dimethylphenol	7.757	122	544355	39.926	ng	100
28) bis(2-Chloroethoxy)met...	7.863	93	905816	38.323	ng	100
29) 2,4-Dichlorophenol	7.963	162	622844	40.280	ng	99
30) 1,2,4-Trichlorobenzene	8.051	180	721146	41.204	ng	100
31) Naphthalene	8.134	128	2224743	38.493	ng	100
32) Benzoic acid	7.863	122	473862	43.158	ng	97
33) 4-Chloroaniline	8.181	127	819674	39.203	ng	99
34) Hexachlorobutadiene	8.251	225	403377	39.095	ng	100
35) Caprolactam	8.545	113	211002m	40.139	ng	
36) 4-Chloro-3-methylphenol	8.651	107	733502	42.714	ng	99
37) 2-Methylnaphthalene	8.822	142	1417576	38.340	ng	100
38) 1-Methylnaphthalene	8.922	142	1379859	37.974	ng	98
40) 1,2,4,5-Tetrachloroben...	8.986	216	621819	38.527	ng	100
41) Hexachlorocyclopentadiene	8.975	237	216938	40.560	ng	100
43) 2,4,6-Trichlorophenol	9.092	196	431607	40.180	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
 Data File : BF140978.D
 Acq On : 26 Dec 2024 19:52
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

ICVBF122624

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024

Quant Time: Dec 27 00:40:05 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 27 00:31:16 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.128	196	446928	40.663	ng	100
46) 1,1'-Biphenyl	9.286	154	1703208	37.916	ng	100
47) 2-Chloronaphthalene	9.310	162	1339282	38.442	ng	100
48) 2-Nitroaniline	9.398	65	389029	43.198	ng	99
49) Acenaphthylene	9.722	152	1919436	38.272	ng	100
50) Dimethylphthalate	9.586	163	1482676	38.422	ng	100
51) 2,6-Dinitrotoluene	9.645	165	329921	42.386	ng	99
52) Acenaphthene	9.898	154	1361911	40.168	ng	100
53) 3-Nitroaniline	9.810	138	360491	42.522	ng #	98
54) 2,4-Dinitrophenol	9.910	184	110045	45.538	ng	86
55) Dibenzofuran	10.069	168	1825813	38.318	ng	100
56) 4-Nitrophenol	9.957	139	320756	48.593	ng	99
57) 2,4-Dinitrotoluene	10.045	165	425111	44.506	ng	99
58) Fluorene	10.410	166	1391829	37.668	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.181	232	379409	41.681	ng	99
60) Diethylphthalate	10.286	149	1471636	38.629	ng	100
61) 4-Chlorophenyl-phenyle...	10.404	204	674323	37.928	ng	99
62) 4-Nitroaniline	10.422	138	351313	41.571	ng	98
63) Azobenzene	10.563	77	1538321	38.471	ng	100
65) 4,6-Dinitro-2-methylph...	10.451	198	172455	43.296	ng	100
66) n-Nitrosodiphenylamine	10.522	169	1252782	38.777	ng	100
67) 4-Bromophenyl-phenylether	10.892	248	435284	39.247	ng	100
68) Hexachlorobenzene	10.957	284	475602	38.890	ng	99
69) Atrazine	11.045	200	323638	35.858	ng	98
70) Pentachlorophenol	11.145	266	349248	45.869	ng	99
71) Phenanthrene	11.375	178	2072012	38.373	ng	100
72) Anthracene	11.422	178	2027823	38.325	ng	100
73) Carbazole	11.575	167	1937732	38.096	ng	100
74) Di-n-butylphthalate	11.916	149	2237362	38.673	ng	100
75) Fluoranthene	12.557	202	2209244	37.724	ng	100
77) Benzidine	12.680	184	520577	40.101	ng	100
78) Pyrene	12.786	202	2340872	43.575	ng	100
80) Butylbenzylphthalate	13.410	149	857532	43.715	ng	96
81) Benzo(a)anthracene	13.974	228	1624247	37.941	ng	99
82) 3,3'-Dichlorobenzidine	13.939	252	460524	35.805	ng	99
83) Chrysene	14.010	228	1531898	39.695	ng	100
84) Bis(2-ethylhexyl)phtha...	13.974	149	1035953	40.713	ng	100
85) Di-n-octyl phthalate	14.592	149	1446783	39.285	ng	100
87) Indeno(1,2,3-cd)pyrene	16.892	276	1514165	44.255	ng	100
88) Benzo(b)fluoranthene	15.021	252	1367890	36.115	ng	100
89) Benzo(k)fluoranthene	15.051	252	1203912	40.555	ng	100
90) Benzo(a)pyrene	15.380	252	1132116	38.510	ng	99
91) Dibenzo(a,h)anthracene	16.915	278	1241284	44.756	ng	99
92) Benzo(g,h,i)perylene	17.333	276	1297980	45.122	ng	99

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

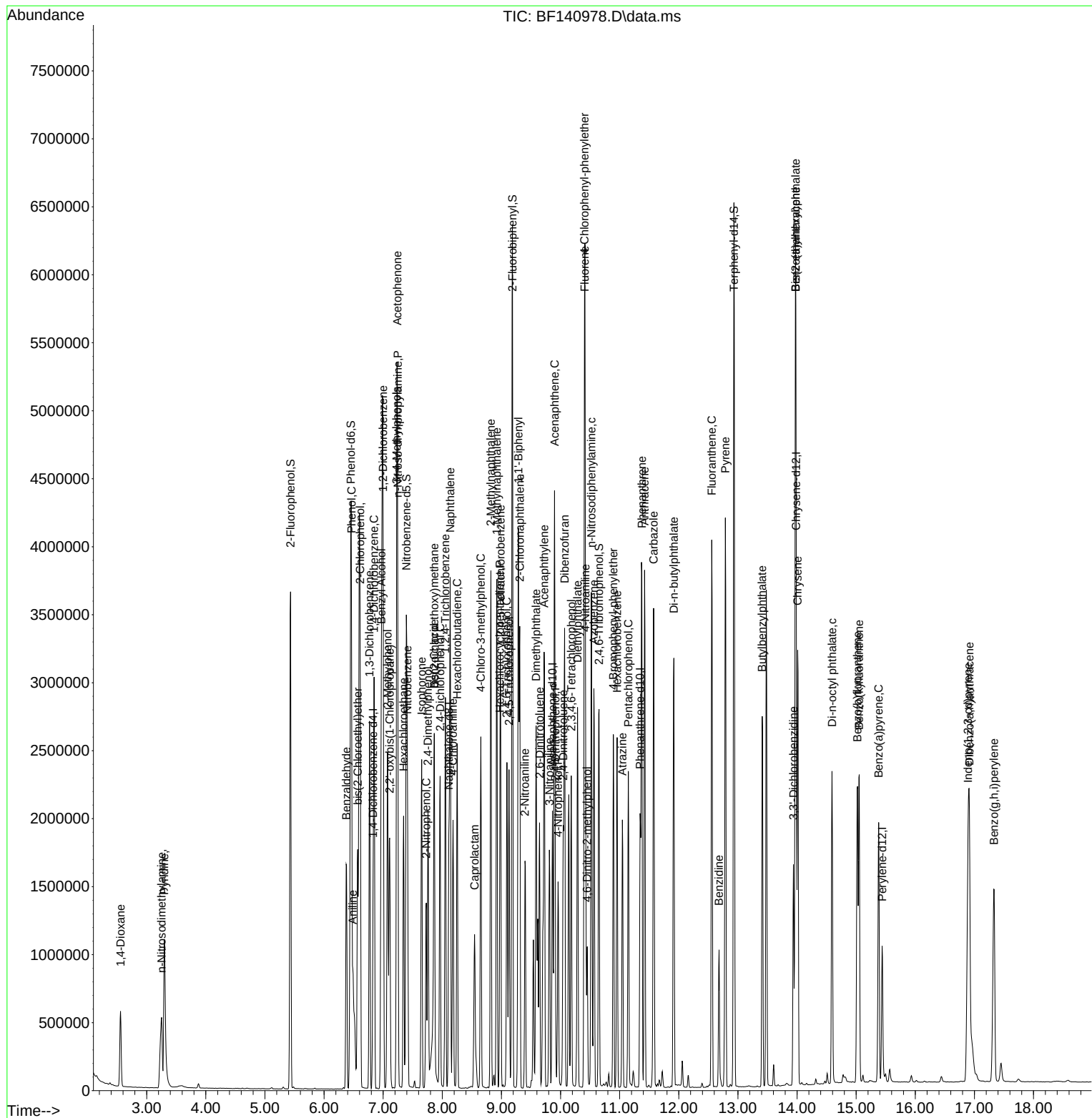
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140978.D
Acq On : 26 Dec 2024 19:52
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

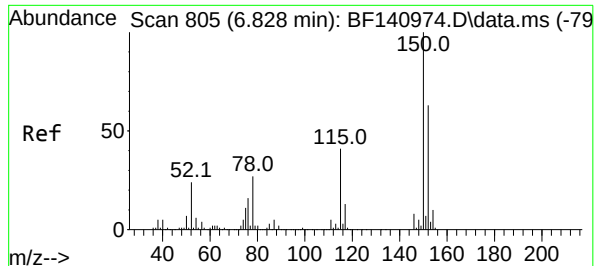
Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

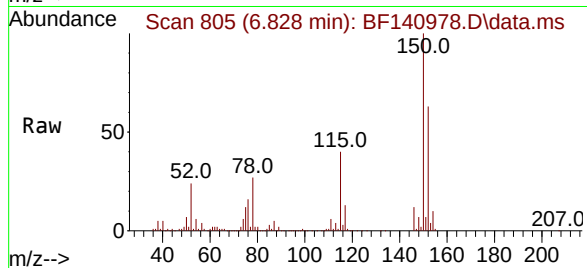
Quant Time: Dec 27 00:40:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 80
Delta R.T. -0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

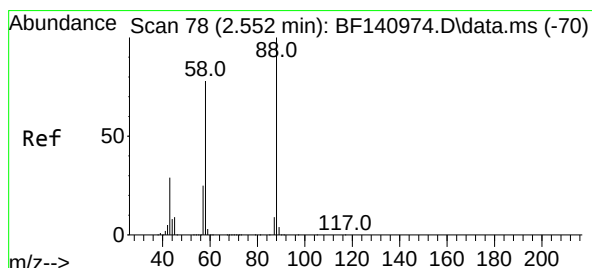
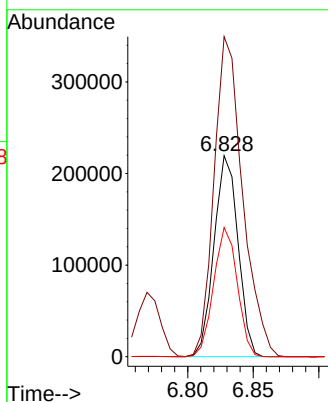
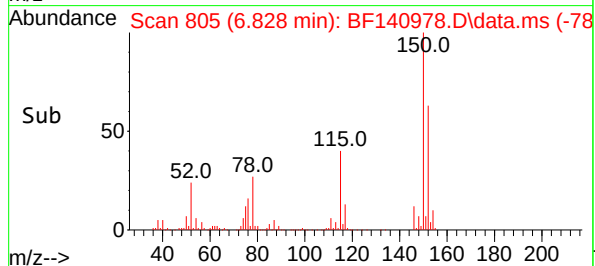
Instrument :
BNA_F
ClientSampleId :
ICVBF122624



Tgt Ion:152 Resp: 278910
Ion Ratio Lower Upper
152 100
150 159.2 127.0 190.6
115 64.3 51.7 77.5

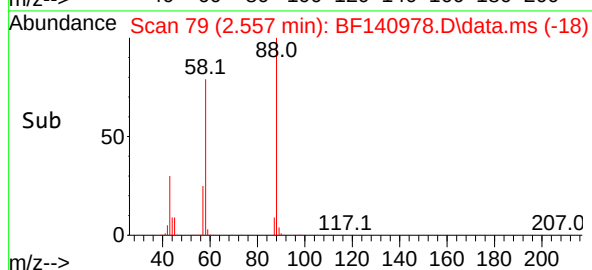
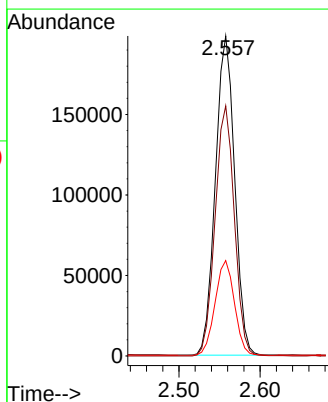
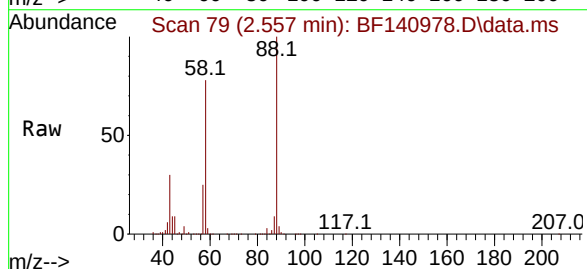
Manual Integrations
APPROVED

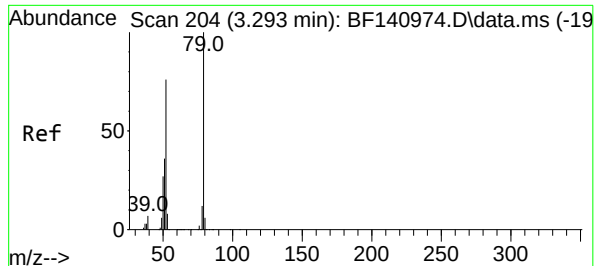
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#2
1,4-Dioxane
Concen: 39.078 ng
RT: 2.557 min Scan# 79
Delta R.T. 0.006 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

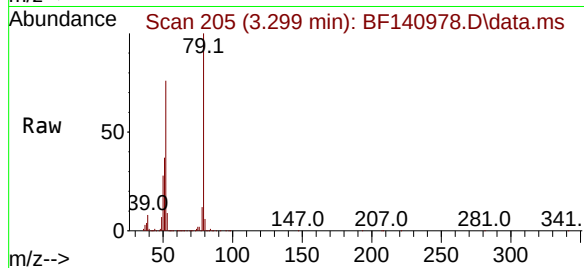
Tgt Ion: 88 Resp: 327350
Ion Ratio Lower Upper
88 100
58 78.3 63.0 94.4
43 29.7 23.4 35.2





#3
Pyridine
Concen: 39.221 ng
RT: 3.299 min Scan# 204
Delta R.T. 0.006 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

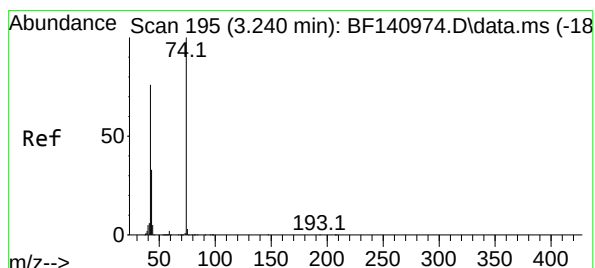
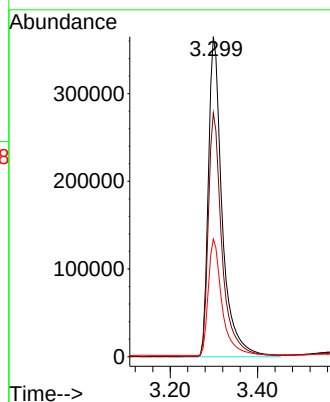
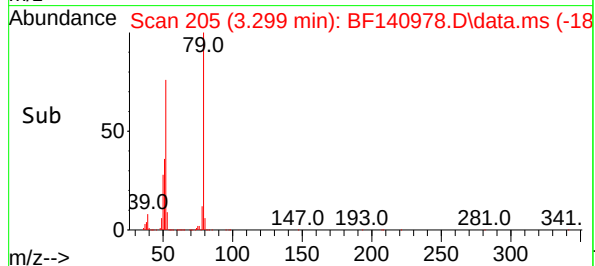
Instrument :
BNA_F
ClientSampleId :
ICVBF122624



Tgt Ion: 79 Resp: 80292
Ion Ratio Lower Upper
79 100
52 76.2 60.4 90.6
51 36.8 28.8 43.2

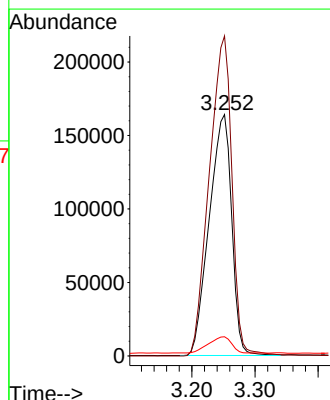
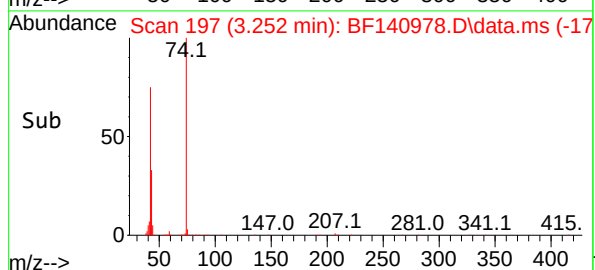
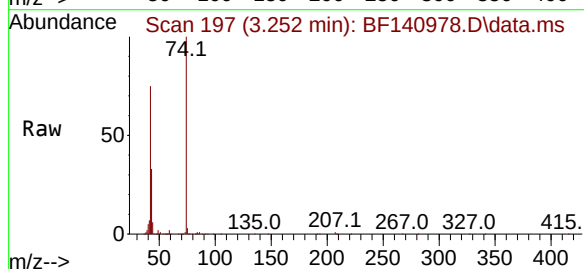
Manual Integrations
APPROVED

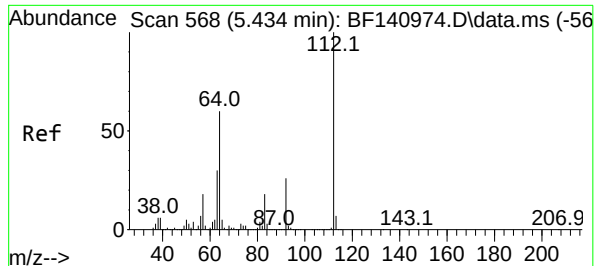
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#4
n-Nitrosodimethylamine
Concen: 39.126 ng
RT: 3.252 min Scan# 197
Delta R.T. 0.012 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

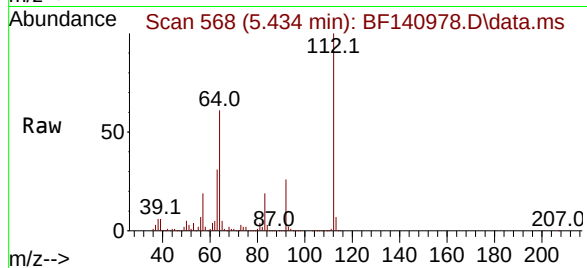
Tgt Ion: 42 Resp: 405836
Ion Ratio Lower Upper
42 100
74 132.5 105.8 158.6
44 7.9 6.6 10.0





#5
2-Fluorophenol
Concen: 77.230 ng
RT: 5.434 min Scan# 50
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

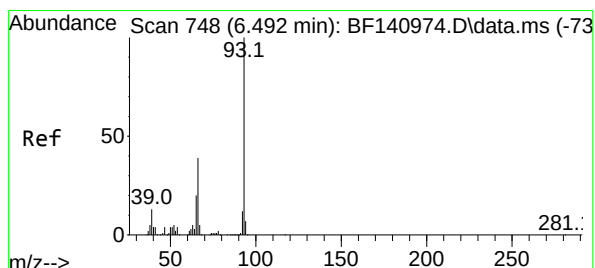
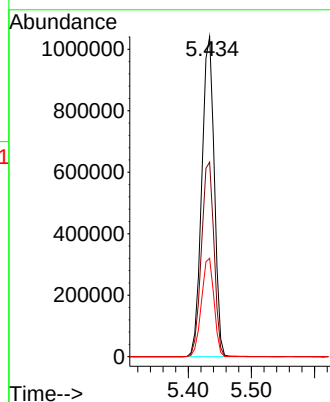
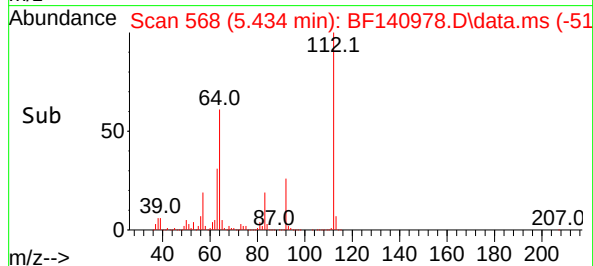
Instrument :
BNA_F
ClientSampleId :
ICVBF122624



Tgt Ion:112 Resp: 142898
Ion Ratio Lower Upper
112 100
64 60.8 47.7 71.5
63 30.7 24.2 36.2

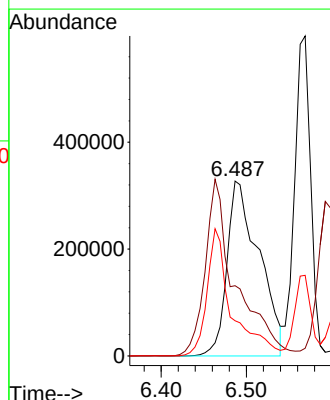
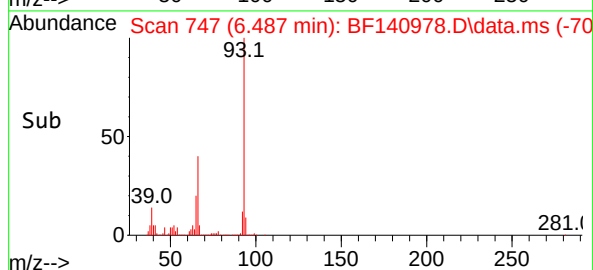
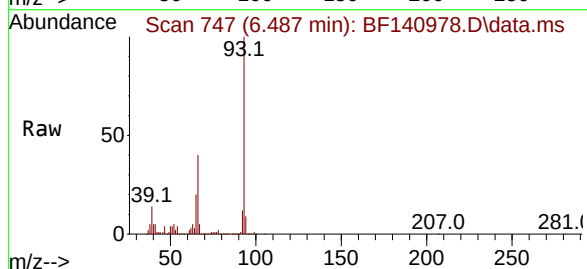
Manual Integrations
APPROVED

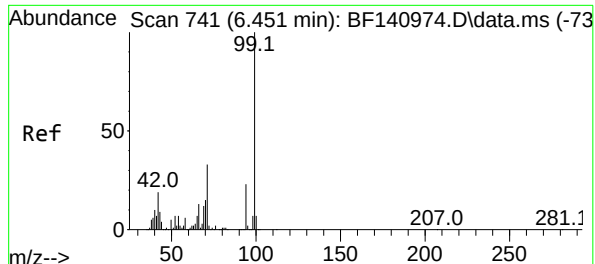
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#6
Aniline
Concen: 40.214 ng
RT: 6.487 min Scan# 747
Delta R.T. -0.024 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion: 93 Resp: 854884
Ion Ratio Lower Upper
93 100
66 40.1 31.8 47.8
65 20.1 15.4 23.0





#7

Phenol-d6

Concen: 77.619 ng

RT: 6.451 min Scan# 741

Delta R.T. 0.000 min

Lab File: BF140978.D

Acq: 26 Dec 2024 19:52

Instrument :

BNA_F

ClientSampleId :

ICVBF122624

Tgt Ion: 99 Resp: 1850114

Ion Ratio Lower Upper

99 100

42 19.0 15.0 22.4

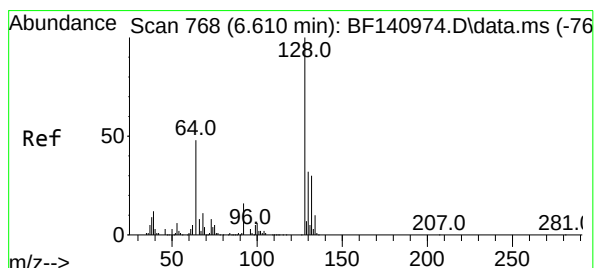
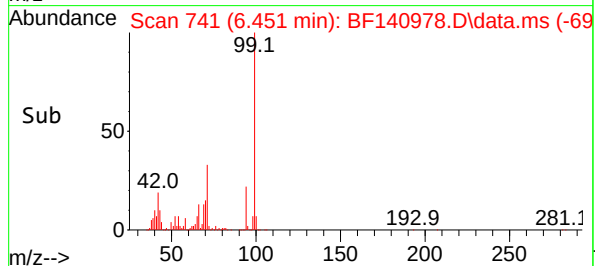
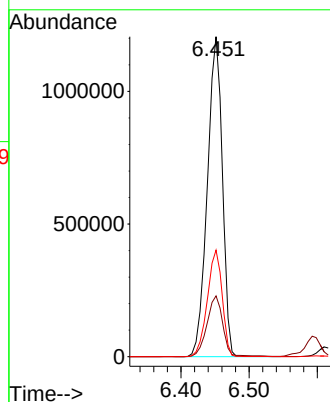
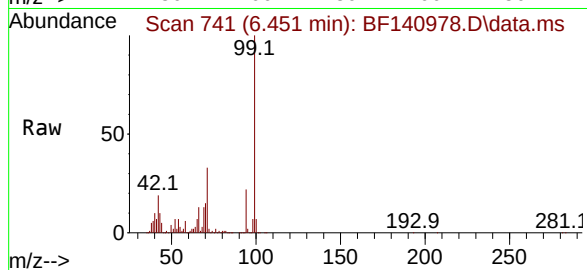
71 33.3 26.2 39.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#8

2-Chlorophenol

Concen: 45.402 ng

RT: 6.610 min Scan# 768

Delta R.T. 0.000 min

Lab File: BF140978.D

Acq: 26 Dec 2024 19:52

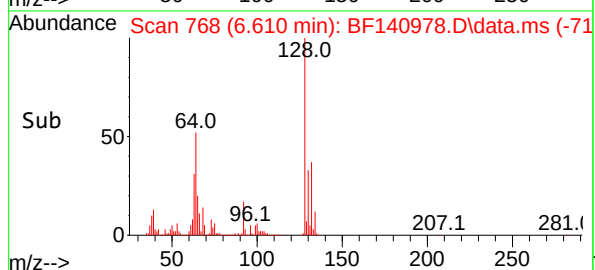
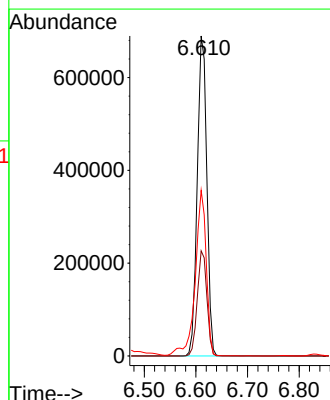
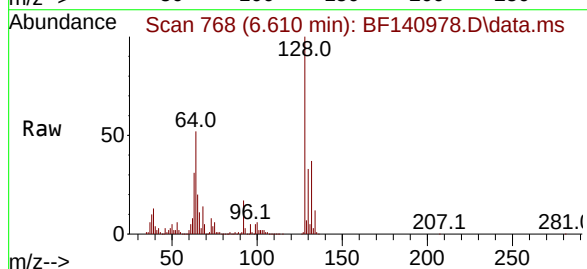
Tgt Ion:128 Resp: 885691

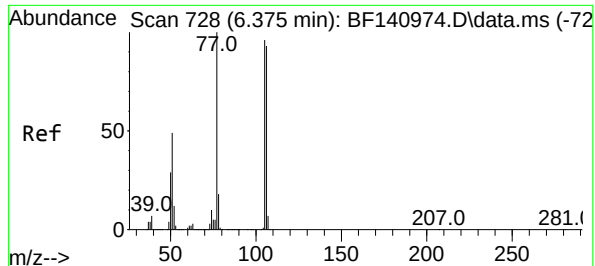
Ion Ratio Lower Upper

128 100

130 32.9 12.2 52.2

64 51.7 30.3 70.3





#9

Benzaldehyde

Concen: 42.275 ng

RT: 6.375 min Scan# 728

Delta R.T. -0.000 min

Lab File: BF140978.D

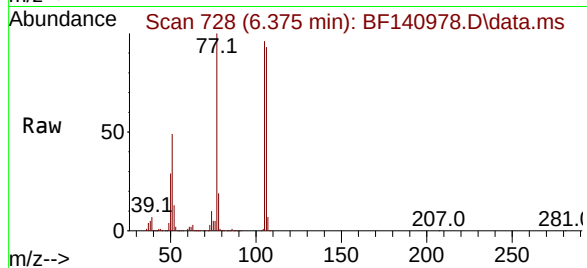
Acq: 26 Dec 2024 19:52

Instrument :

BNA_F

ClientSampleId :

ICVBF122624



Tgt Ion: 77 Resp: 487130

Ion Ratio Lower Upper

77 100

105 95.9 76.2 116.2

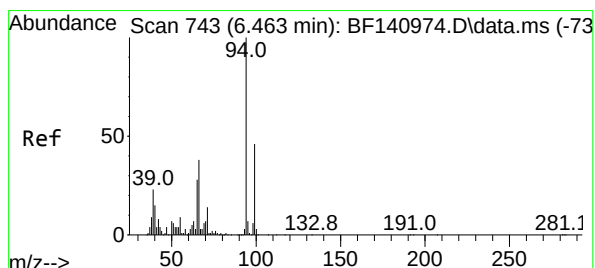
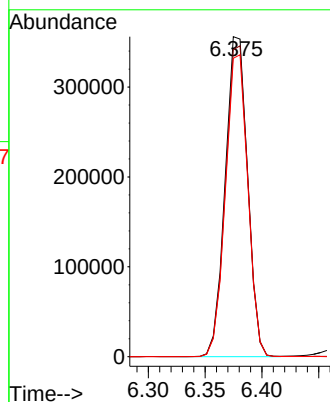
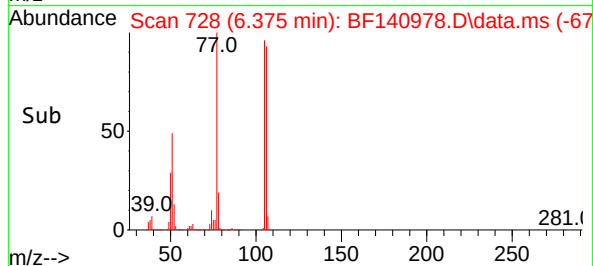
106 93.2 73.4 113.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#10

Phenol

Concen: 46.698 ng

RT: 6.463 min Scan# 743

Delta R.T. 0.000 min

Lab File: BF140978.D

Acq: 26 Dec 2024 19:52

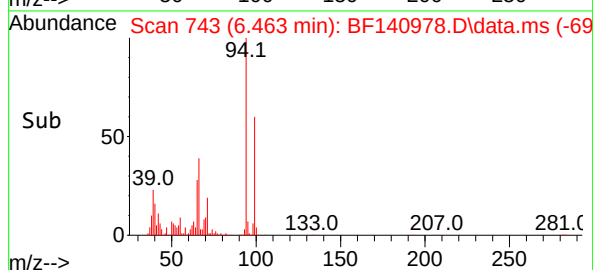
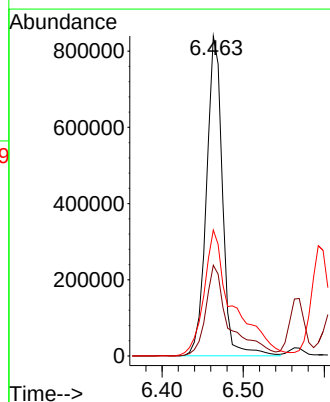
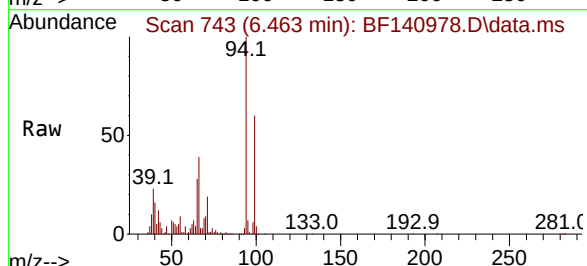
Tgt Ion: 94 Resp: 1150959

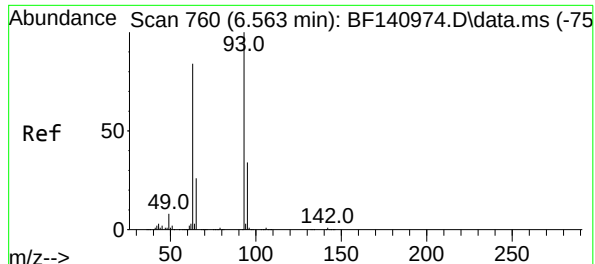
Ion Ratio Lower Upper

94 100

65 28.3 8.1 48.1

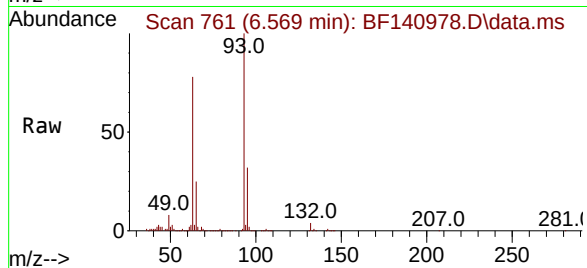
66 39.4 18.7 58.7





#11
bis(2-Chloroethyl)ether
Concen: 39.366 ng
RT: 6.569 min Scan# 760
Delta R.T. 0.006 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

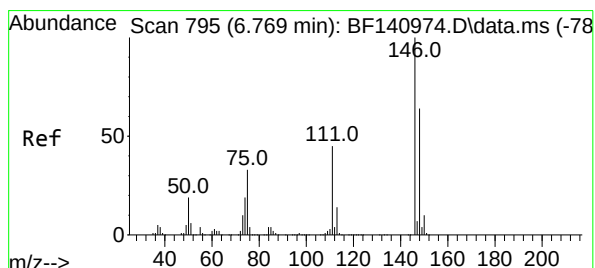
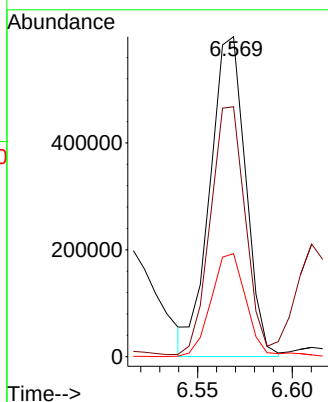
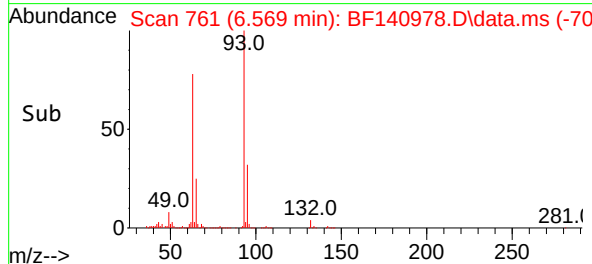
Instrument :
BNA_F
ClientSampleId :
ICVBF122624



Tgt Ion: 93 Resp: 783408
Ion Ratio Lower Upper
93 100
63 78.1 60.3 100.3
95 32.2 12.2 52.2

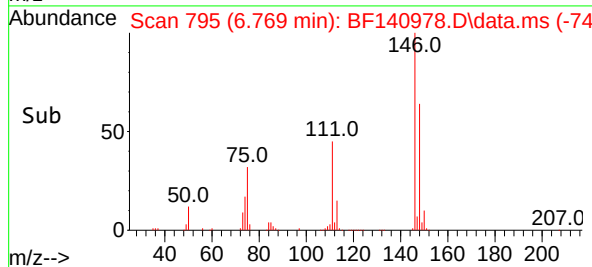
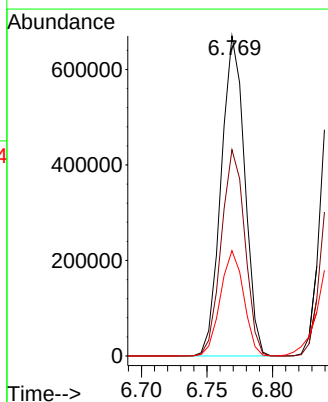
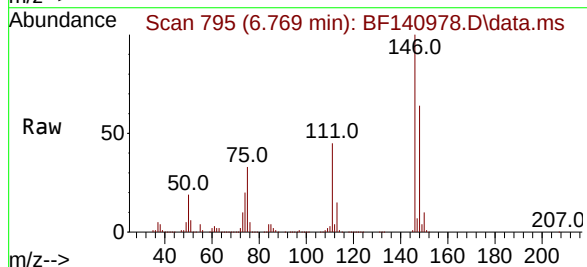
Manual Integrations
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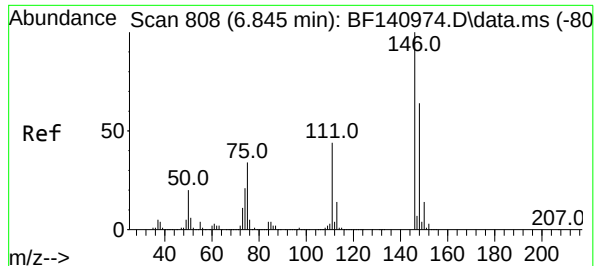
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#12
1,3-Dichlorobenzene
Concen: 38.861 ng
RT: 6.769 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:146 Resp: 836638
Ion Ratio Lower Upper
146 100
148 64.4 51.0 76.4
75 32.9 26.1 39.1





#13

1,4-Dichlorobenzene

Concen: 40.612 ng

RT: 6.845 min Scan# 808

Delta R.T. 0.000 min

Lab File: BF140978.D

Acq: 26 Dec 2024 19:52

Instrument :

BNA_F

ClientSampleId :

ICVBF122624

Tgt Ion:146 Resp: 881410

Ion Ratio Lower Upper

146 100

148 63.9 51.3 76.9

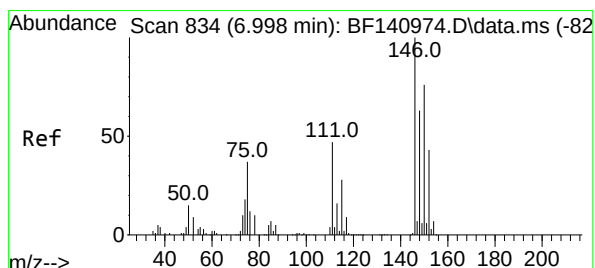
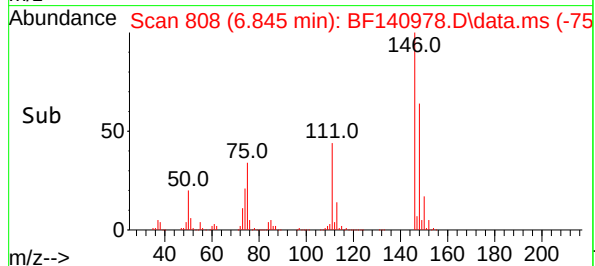
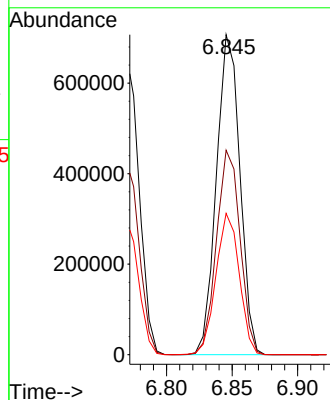
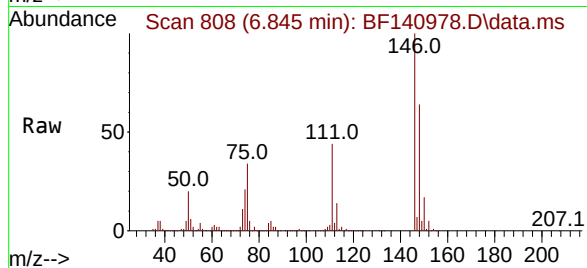
111 44.1 35.3 52.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#14

1,2-Dichlorobenzene

Concen: 38.772 ng

RT: 6.998 min Scan# 834

Delta R.T. 0.000 min

Lab File: BF140978.D

Acq: 26 Dec 2024 19:52

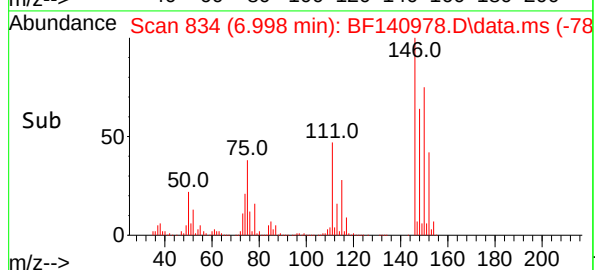
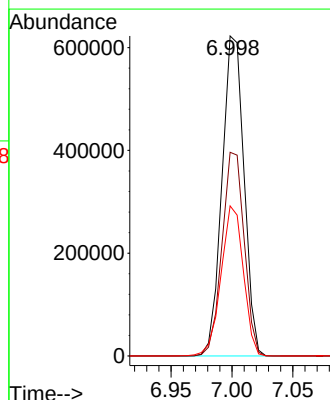
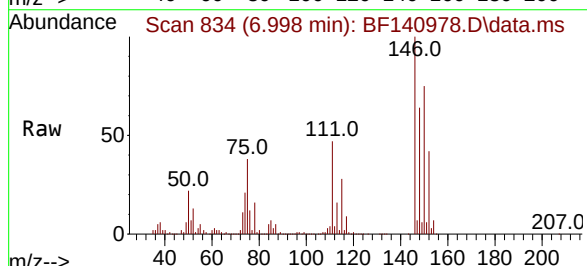
Tgt Ion:146 Resp: 784556

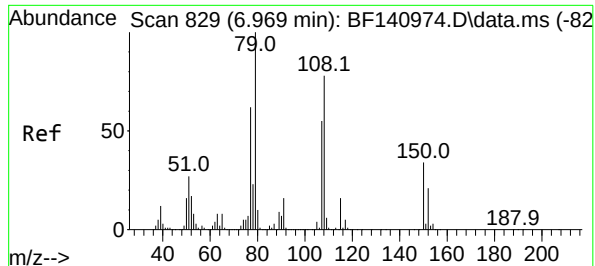
Ion Ratio Lower Upper

146 100

148 63.7 50.6 76.0

111 46.9 37.3 55.9





#15

Benzyl Alcohol

Concen: 39.751 ng

RT: 6.969 min Scan# 829

Delta R.T. 0.000 min

Lab File: BF140978.D

Acq: 26 Dec 2024 19:52

Instrument :

BNA_F

ClientSampleId :

ICVBF122624

Tgt Ion: 79 Resp: 680874

Ion Ratio Lower Upper

79 100

108 77.9 62.5 93.7

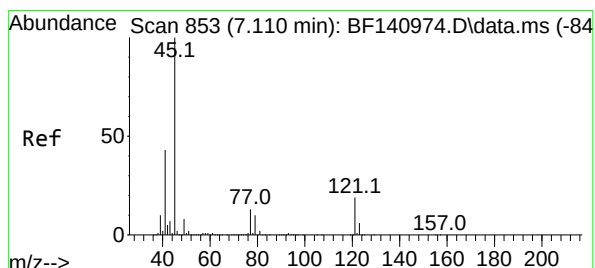
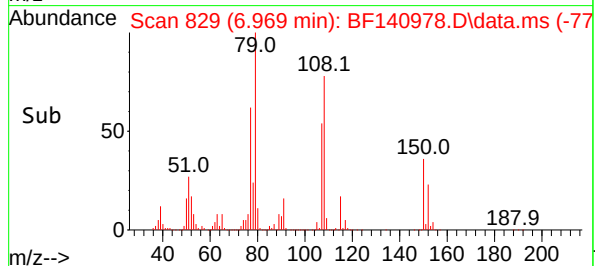
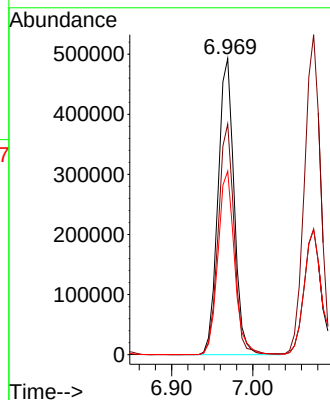
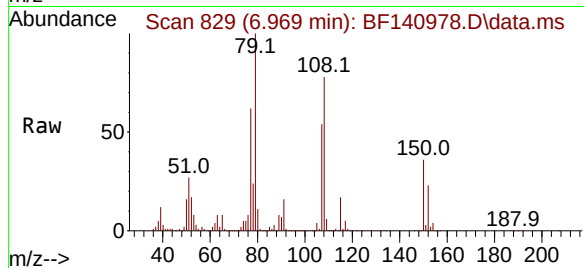
77 62.0 49.3 73.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#16

2,2'-oxybis(1-Chloropropane)

Concen: 38.326 ng

RT: 7.110 min Scan# 853

Delta R.T. 0.000 min

Lab File: BF140978.D

Acq: 26 Dec 2024 19:52

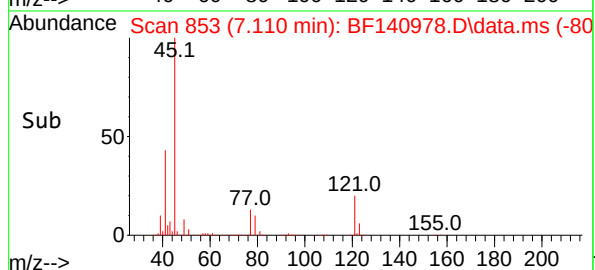
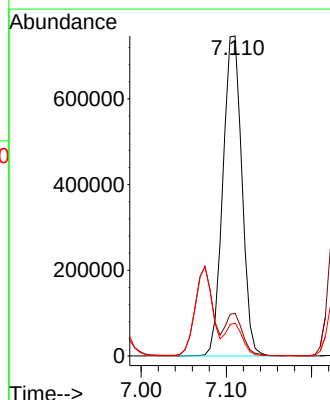
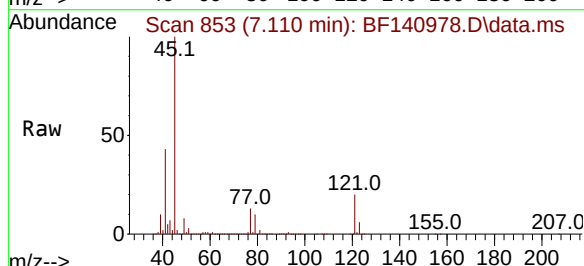
Tgt Ion: 45 Resp: 1153471

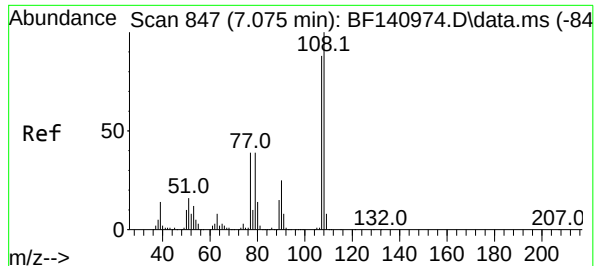
Ion Ratio Lower Upper

45 100

77 13.4 0.0 33.1

79 10.3 0.0 30.1





#17

2-Methylphenol

Concen: 39.617 ng

RT: 7.075 min Scan# 847

Delta R.T. 0.000 min

Lab File: BF140978.D

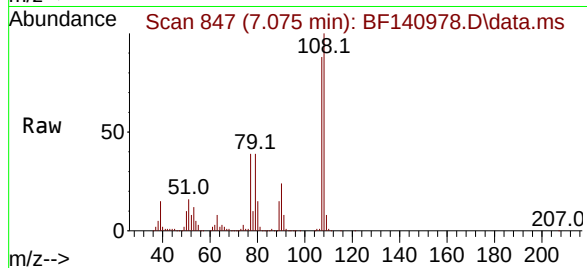
Acq: 26 Dec 2024 19:52

Instrument :

BNA_F

ClientSampleId :

ICVBF122624



Tgt Ion:107 Resp: 642058

Ion Ratio Lower Upper

107 100

108 113.5 90.6 136.0

77 44.6 35.3 52.9

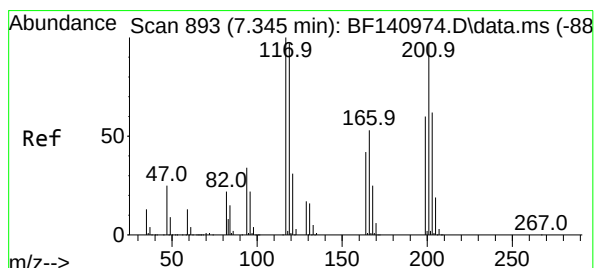
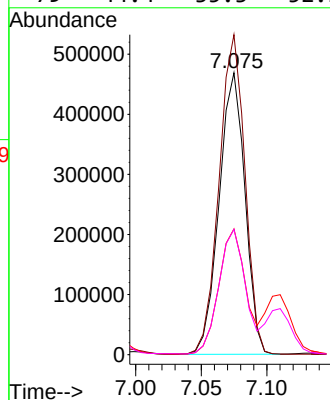
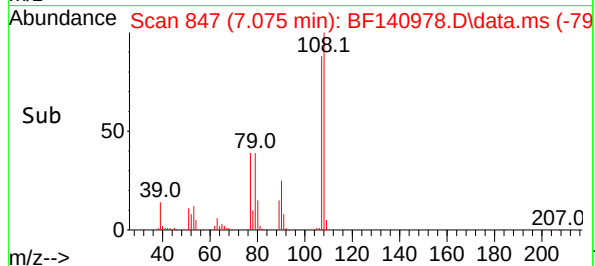
79 44.4 35.3 52.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#18

Hexachloroethane

Concen: 40.027 ng

RT: 7.345 min Scan# 893

Delta R.T. 0.000 min

Lab File: BF140978.D

Acq: 26 Dec 2024 19:52

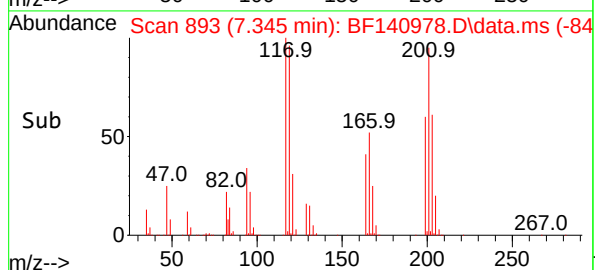
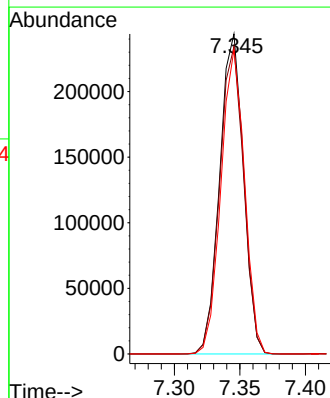
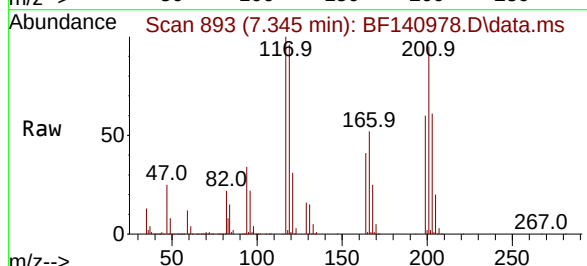
Tgt Ion:117 Resp: 308596

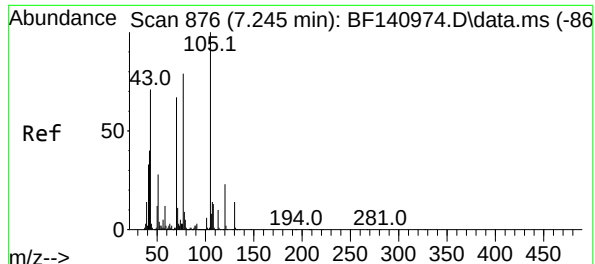
Ion Ratio Lower Upper

117 100

119 96.0 77.5 116.3

201 95.1 77.4 116.2





#19

n-Nitroso-di-n-propylamine

Concen: 40.828 ng

RT: 7.245 min Scan# 876

Delta R.T. 0.000 min

Lab File: BF140978.D

Acq: 26 Dec 2024 19:52

Instrument :

BNA_F

ClientSampleId :

ICVBF122624

Tgt Ion: 70 Resp: 596199

Ion Ratio Lower Upper

70 100

42 60.1 48.1 72.1

101 9.9 7.6 11.4

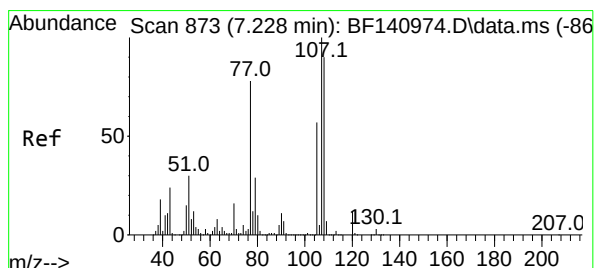
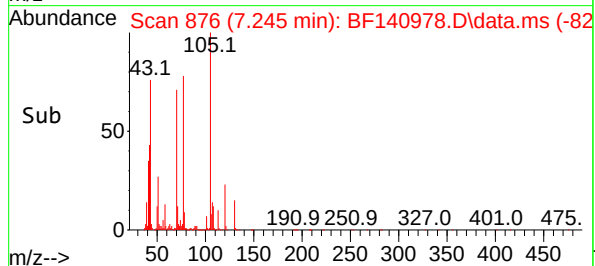
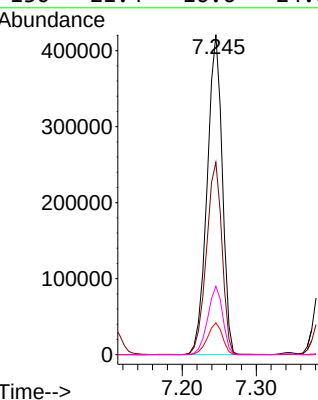
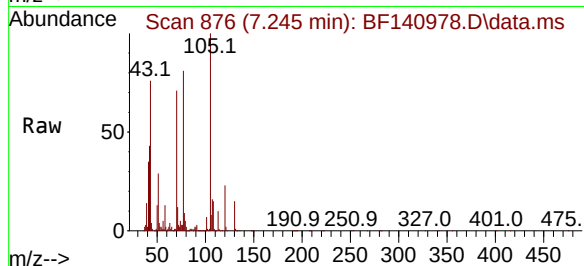
130 21.4 16.6 24.8

Manual Integrations

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Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#20

3+4-Methylphenols

Concen: 39.323 ng

RT: 7.228 min Scan# 873

Delta R.T. 0.000 min

Lab File: BF140978.D

Acq: 26 Dec 2024 19:52

Tgt Ion:107 Resp: 806484

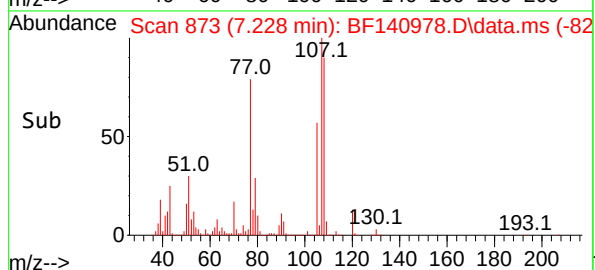
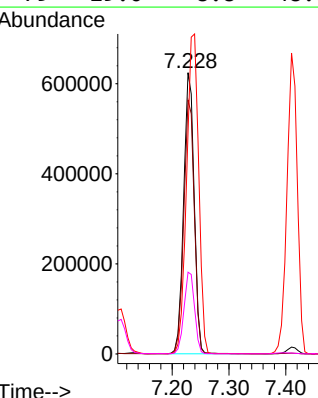
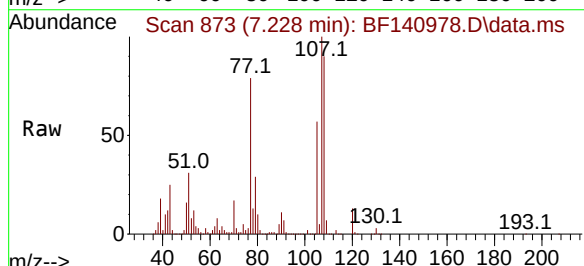
Ion Ratio Lower Upper

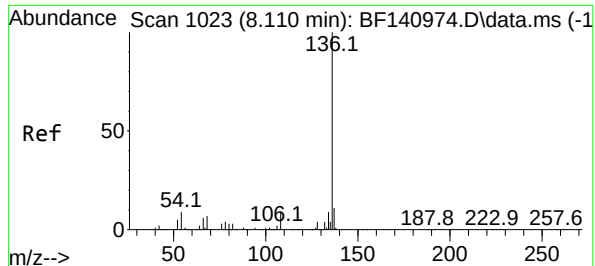
107 100

108 90.2 69.6 109.6

77 78.8 57.6 97.6

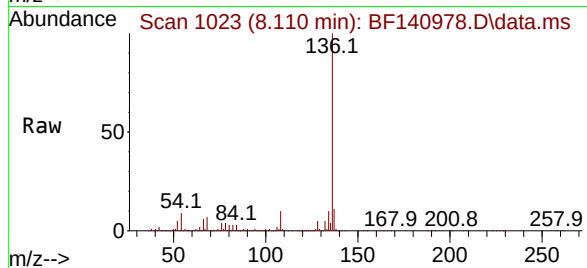
79 29.0 8.8 48.8





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

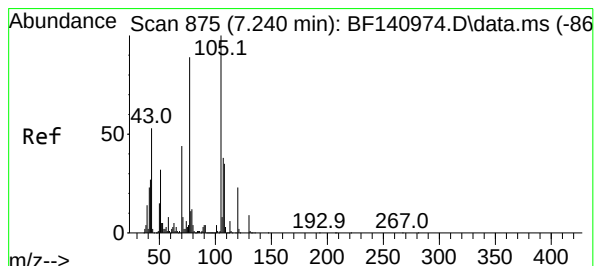
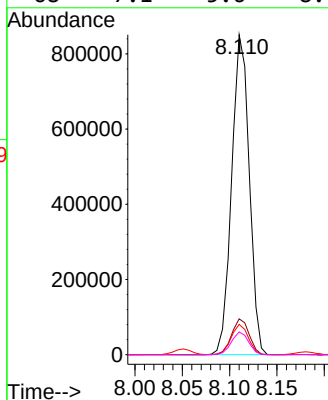
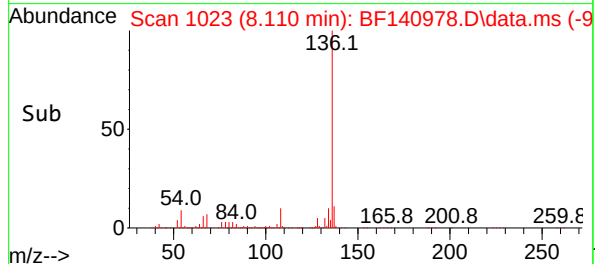
Instrument :
BNA_F
ClientSampleId :
ICVBF122624



Tgt Ion:136 Resp: 1096814
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.4
54 9.5 7.6 11.4
68 7.1 5.6 8.4

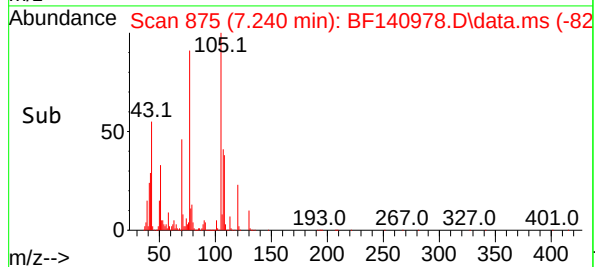
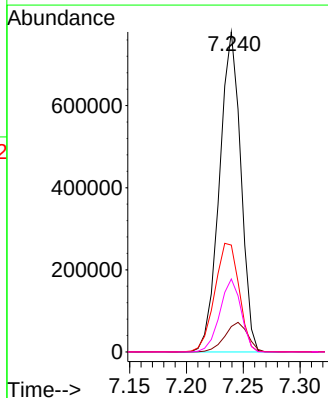
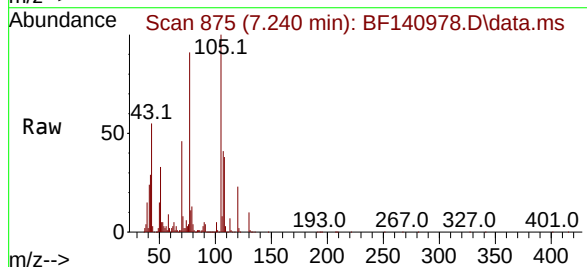
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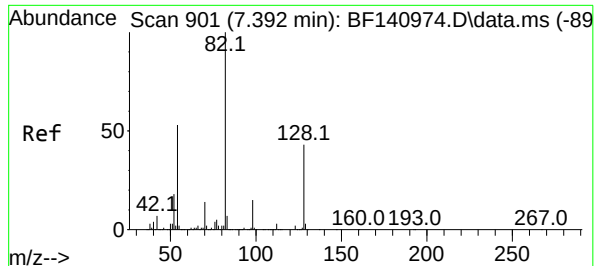
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#22
Acetophenone
Concen: 37.920 ng
RT: 7.240 min Scan# 875
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:105 Resp: 1020280
Ion Ratio Lower Upper
105 100
71 7.9 6.1 9.1
51 33.4 25.8 38.6
120 22.8 18.1 27.1





#23

Nitrobenzene-d5

Concen: 91.412 ng

RT: 7.392 min Scan# 901

Delta R.T. 0.000 min

Lab File: BF140978.D

Acq: 26 Dec 2024 19:52

Instrument :

BNA_F

ClientSampleId :

ICVBF122624

Tgt Ion: 82 Resp: 156713

Ion Ratio Lower Upper

82 100

128 43.6 34.4 51.6

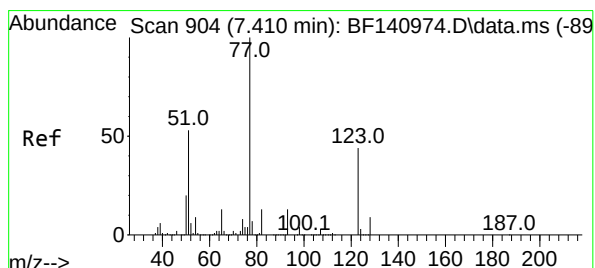
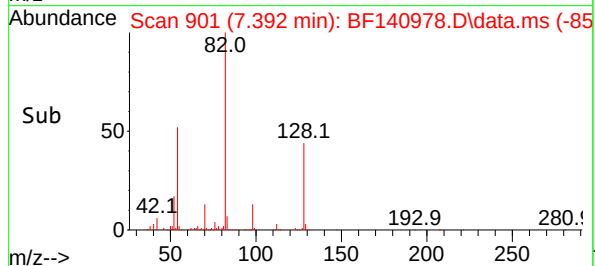
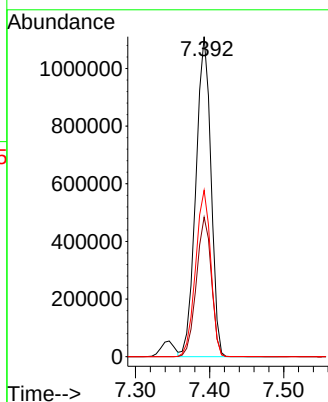
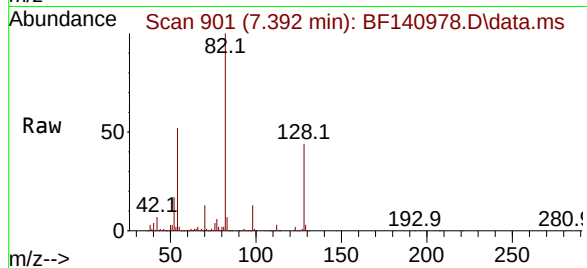
54 52.0 42.4 63.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#24

Nitrobenzene

Concen: 44.060 ng

RT: 7.410 min Scan# 904

Delta R.T. 0.000 min

Lab File: BF140978.D

Acq: 26 Dec 2024 19:52

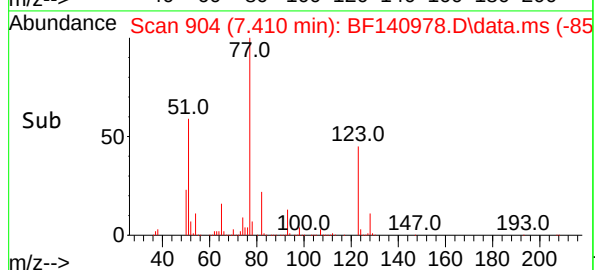
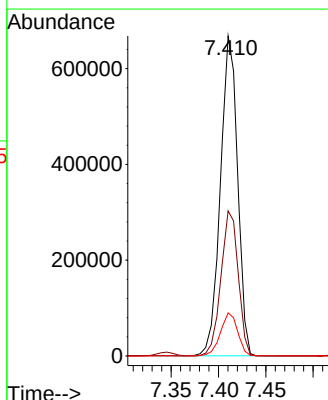
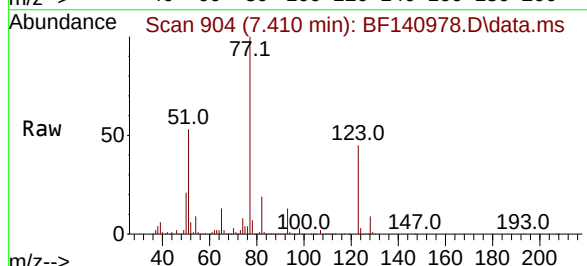
Tgt Ion: 77 Resp: 844017

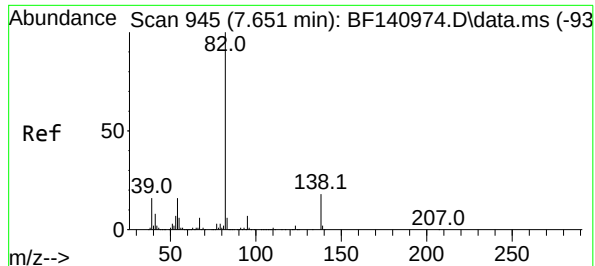
Ion Ratio Lower Upper

77 100

123 45.3 35.4 53.2

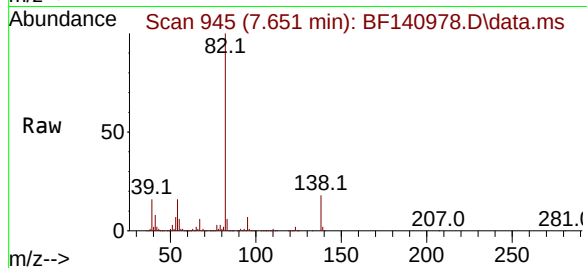
65 13.4 10.7 16.1





#25
Isophorone
Concen: 38.534 ng
RT: 7.651 min Scan# 945
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

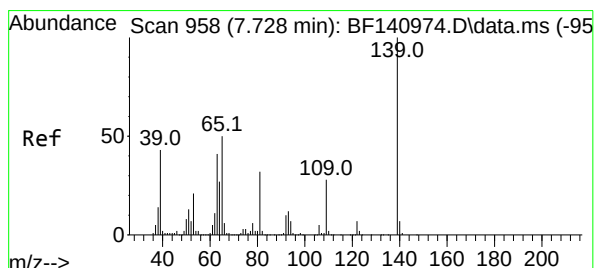
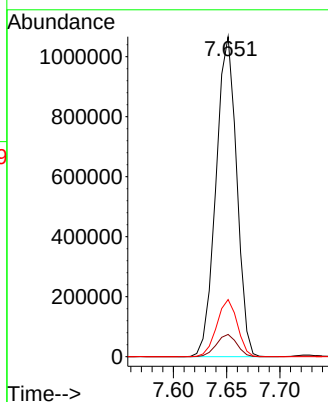
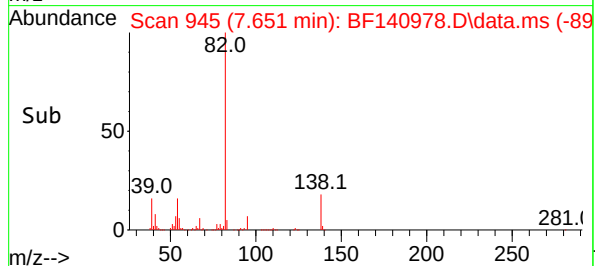
Instrument :
BNA_F
ClientSampleId :
ICVBF122624



Tgt Ion: 82 Resp: 143753
Ion Ratio Lower Upper
82 100
95 7.0 5.6 8.4
138 17.8 14.6 21.8

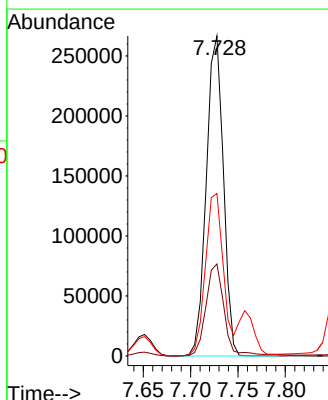
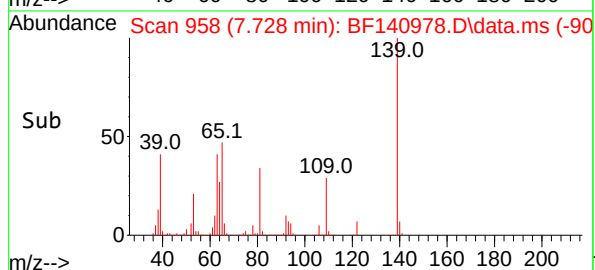
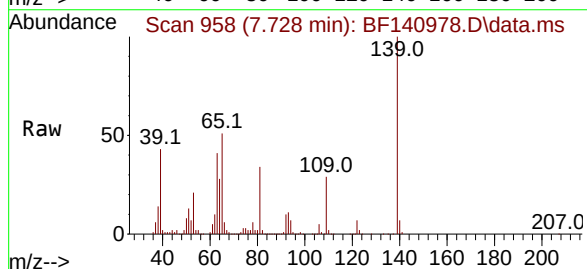
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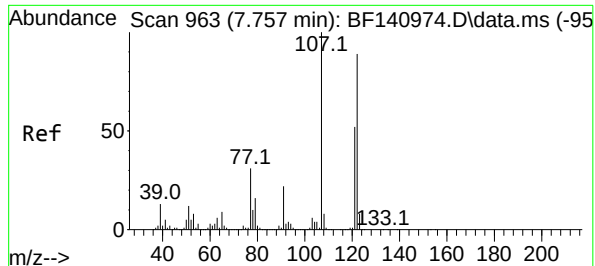
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#26
2-Nitrophenol
Concen: 43.185 ng
RT: 7.728 min Scan# 958
Delta R.T. -0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:139 Resp: 334326
Ion Ratio Lower Upper
139 100
109 28.8 22.2 33.4
65 50.7 40.2 60.4





#27

2,4-Dimethylphenol

Concen: 39.926 ng

RT: 7.757 min Scan# 90

Delta R.T. 0.000 min

Lab File: BF140978.D

Acq: 26 Dec 2024 19:52

Instrument :

BNA_F

ClientSampleId :

ICVBF122624

Tgt Ion:122 Resp: 54435

Ion Ratio Lower Upper

122 100

107 111.9 89.4 134.2

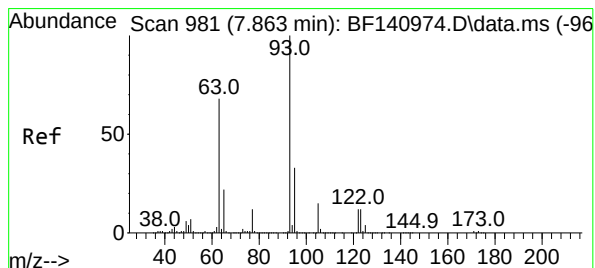
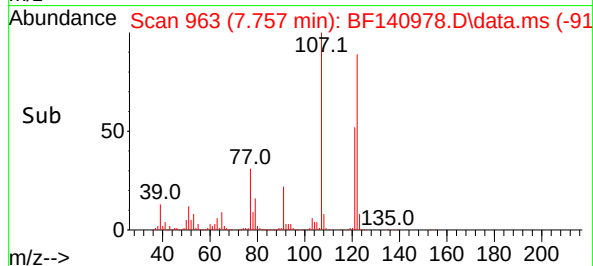
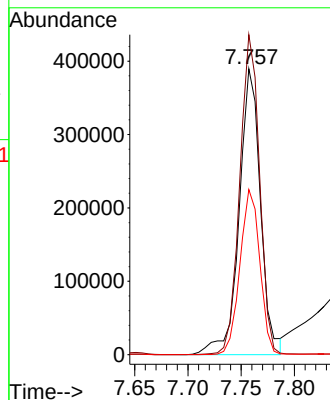
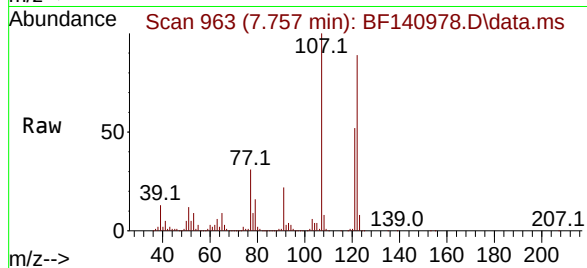
121 57.8 46.7 70.1

Manual Integrations

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Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#28

bis(2-Chloroethoxy)methane

Concen: 38.323 ng

RT: 7.863 min Scan# 981

Delta R.T. 0.000 min

Lab File: BF140978.D

Acq: 26 Dec 2024 19:52

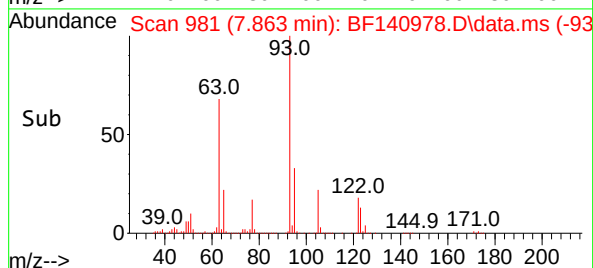
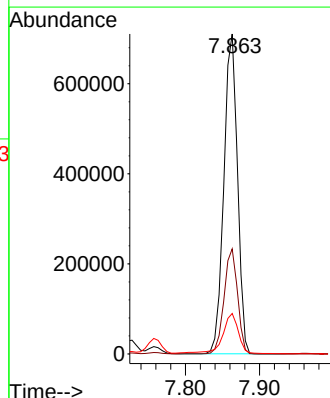
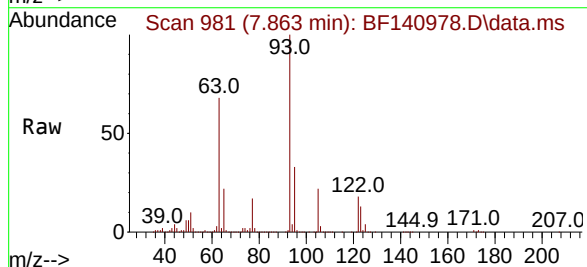
Tgt Ion: 93 Resp: 905816

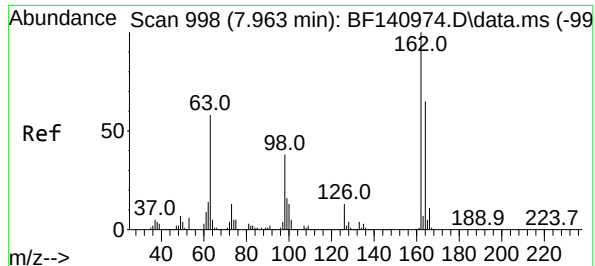
Ion Ratio Lower Upper

93 100

95 32.8 26.2 39.4

123 12.6 9.9 14.9





#29

2,4-Dichlorophenol

Concen: 40.280 ng

RT: 7.963 min Scan# 998

Delta R.T. 0.000 min

Lab File: BF140978.D

Acq: 26 Dec 2024 19:52

Instrument :

BNA_F

ClientSampleId :

ICVBF122624

Tgt Ion:162 Resp: 62284

Ion Ratio Lower Upper

162 100

164 63.8 44.8 84.8

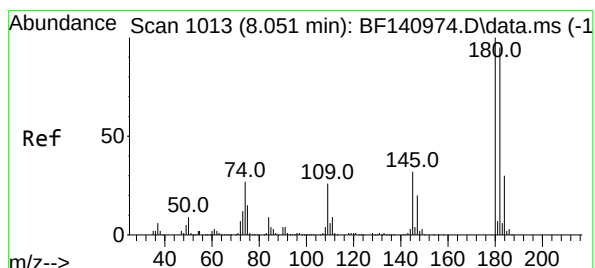
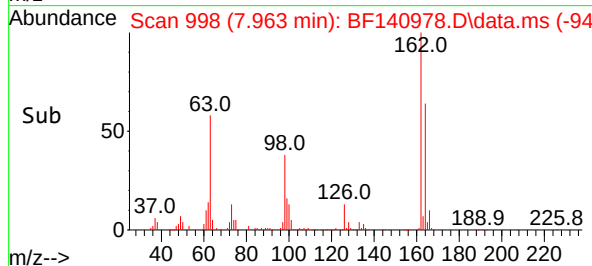
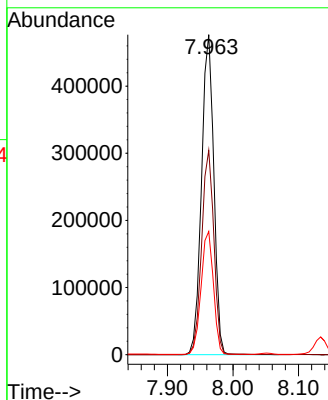
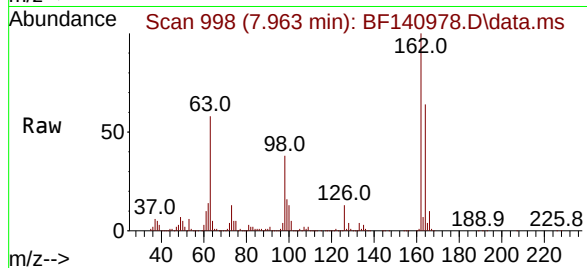
98 38.5 18.6 58.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#30

1,2,4-Trichlorobenzene

Concen: 41.204 ng

RT: 8.051 min Scan# 1013

Delta R.T. 0.000 min

Lab File: BF140978.D

Acq: 26 Dec 2024 19:52

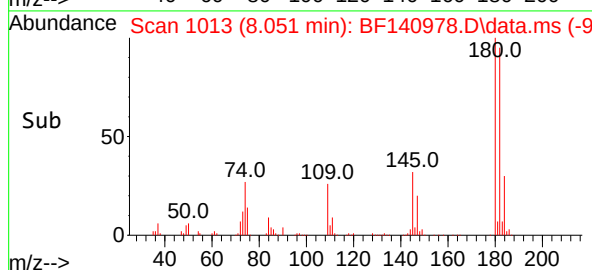
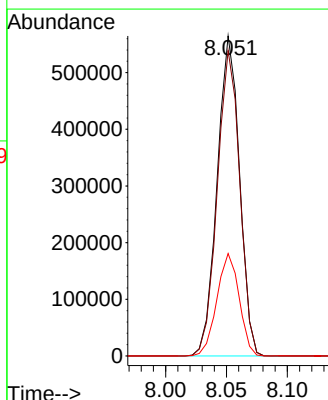
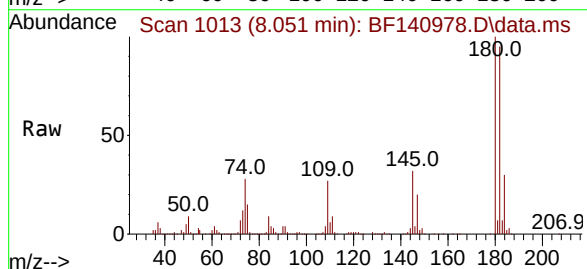
Tgt Ion:180 Resp: 721146

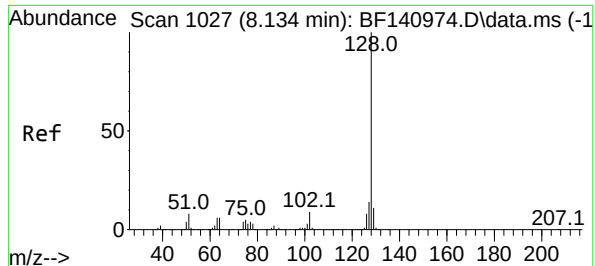
Ion Ratio Lower Upper

180 100

182 95.4 76.2 114.4

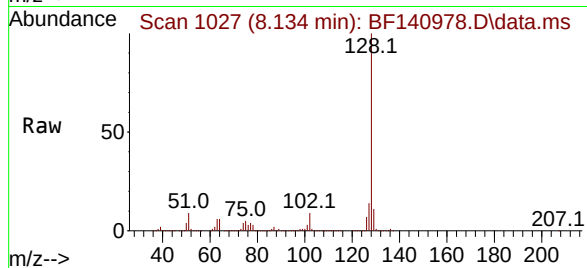
145 32.0 25.4 38.2





#31
Naphthalene
Concen: 38.493 ng
RT: 8.134 min Scan# 1027
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

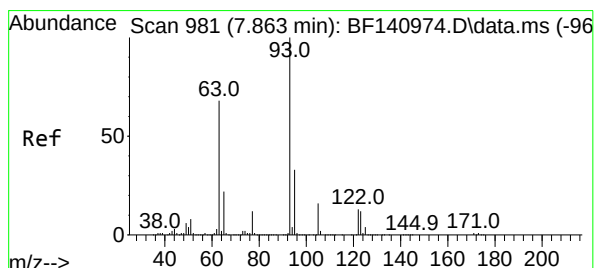
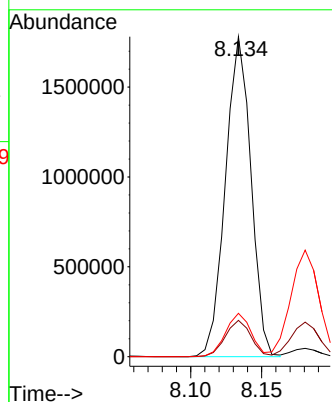
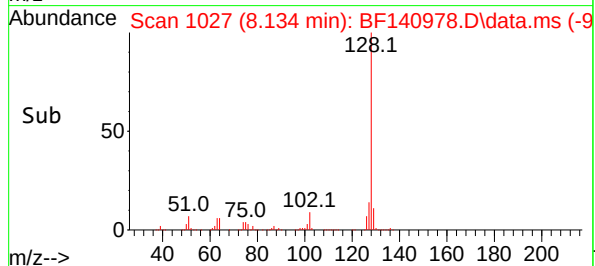
Instrument :
BNA_F
ClientSampleId :
ICVBF122624



Tgt Ion:128 Resp: 222474
Ion Ratio Lower Upper
128 100
129 11.4 9.2 13.8
127 13.6 11.0 16.4

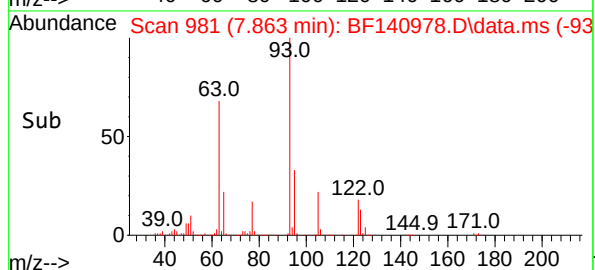
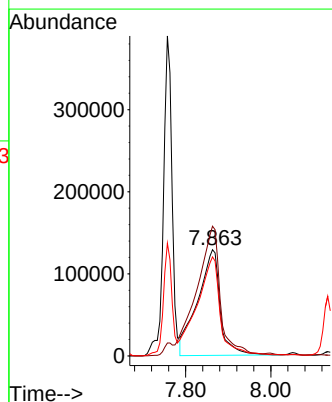
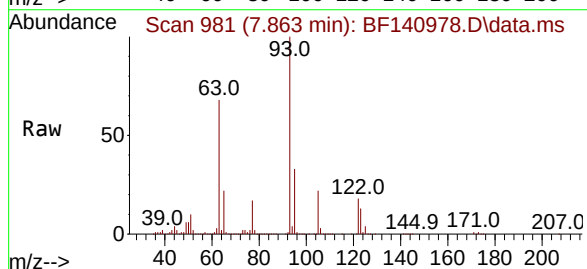
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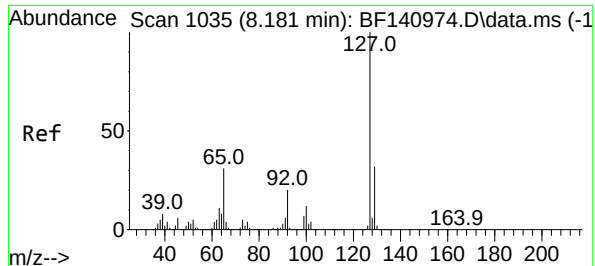
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#32
Benzoic acid
Concen: 43.158 ng
RT: 7.863 min Scan# 981
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

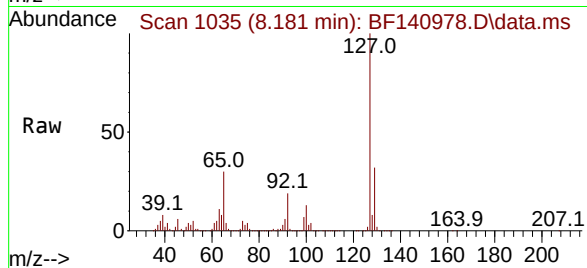
Tgt Ion:122 Resp: 473862
Ion Ratio Lower Upper
122 100
105 122.1 105.4 145.4
77 93.2 76.4 116.4





#33
4-Chloroaniline
Concen: 39.203 ng
RT: 8.181 min Scan# 1035
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

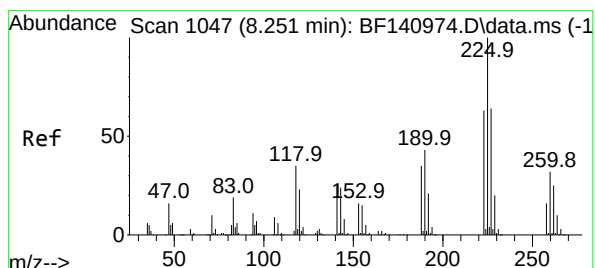
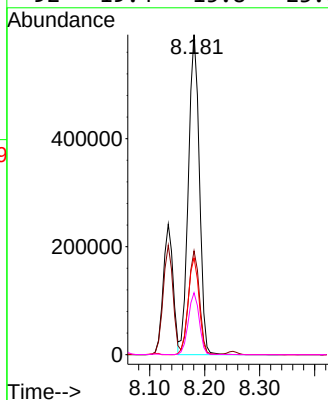
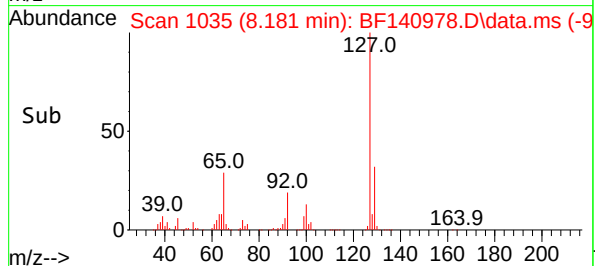
Instrument :
BNA_F
ClientSampleId :
ICVBF122624



Tgt Ion:127 Resp: 819674
Ion Ratio Lower Upper
127 100
129 32.4 26.1 39.1
65 30.2 24.6 37.0
92 19.4 15.8 23.6

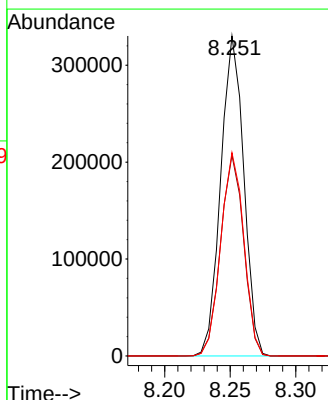
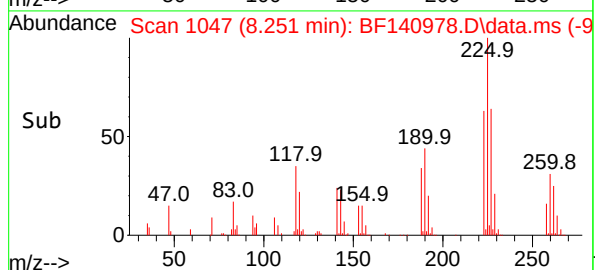
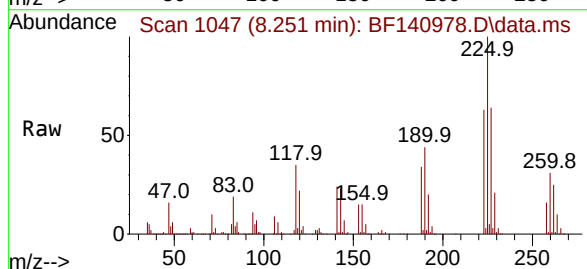
Manual Integrations
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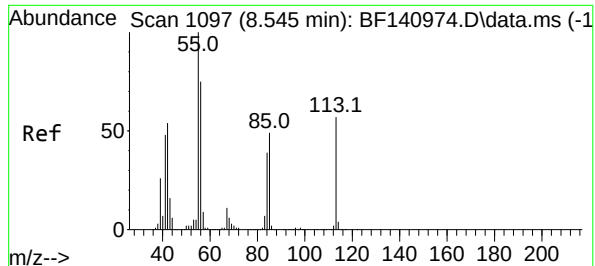
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#34
Hexachlorobutadiene
Concen: 39.095 ng
RT: 8.251 min Scan# 1047
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

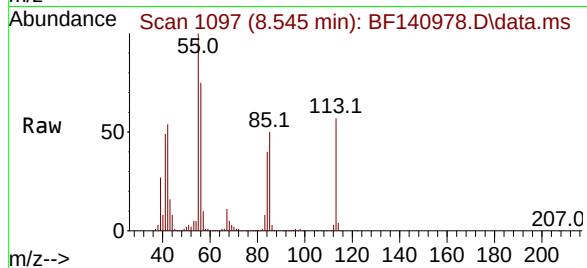
Tgt Ion:225 Resp: 403377
Ion Ratio Lower Upper
225 100
223 62.7 50.3 75.5
227 63.6 50.8 76.2





#35
Caprolactam
Concen: 40.139 ng m
RT: 8.545 min Scan# 1097
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

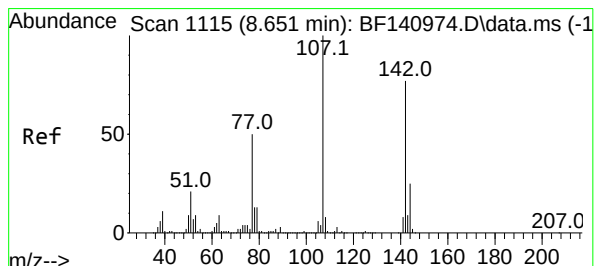
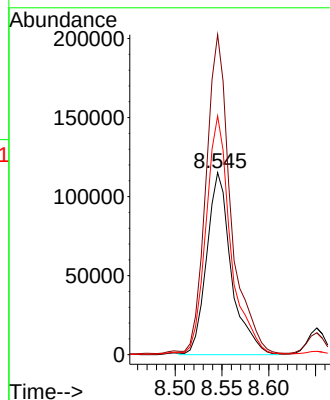
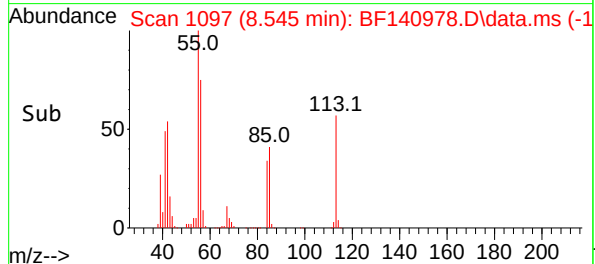
Instrument :
BNA_F
ClientSampleId :
ICVBF122624



Tgt Ion:113 Resp: 211002
Ion Ratio Lower Upper
113 100
55 175.7 156.6 196.6
56 131.1 111.7 151.7

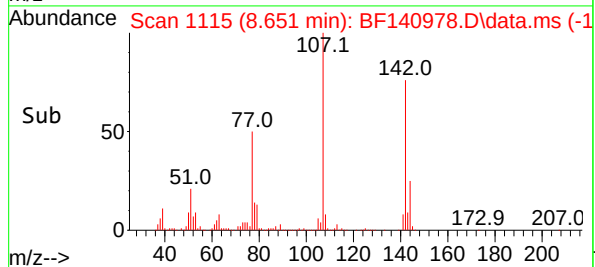
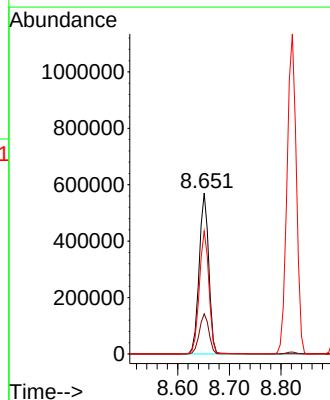
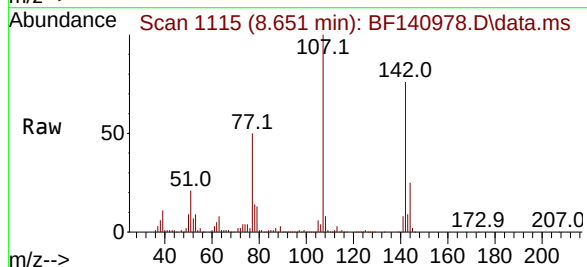
Manual Integrations
APPROVED

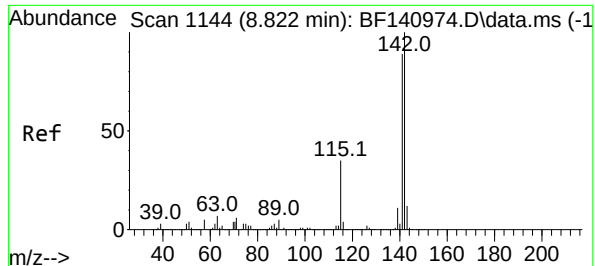
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#36
4-Chloro-3-methylphenol
Concen: 42.714 ng
RT: 8.651 min Scan# 1115
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:107 Resp: 733502
Ion Ratio Lower Upper
107 100
144 25.0 19.9 29.9
142 76.4 61.8 92.8





#37

2-Methylnaphthalene

Concen: 38.340 ng

RT: 8.822 min Scan# 1144

Delta R.T. 0.000 min

Lab File: BF140978.D

Acq: 26 Dec 2024 19:52

Instrument :

BNA_F

ClientSampleId :

ICVBF122624

Tgt Ion:142 Resp: 1417570

Ion Ratio Lower Upper

142 100

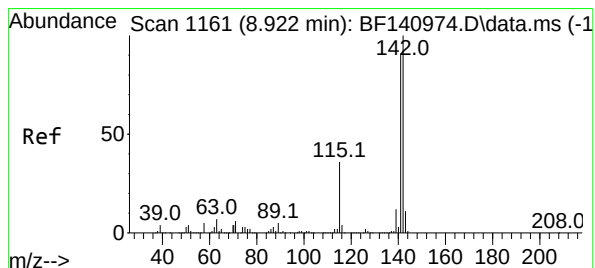
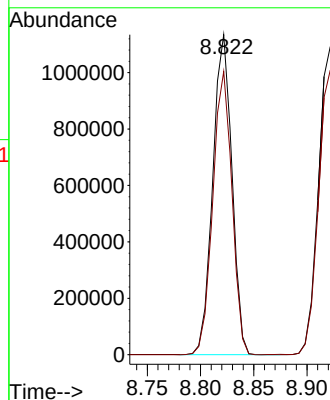
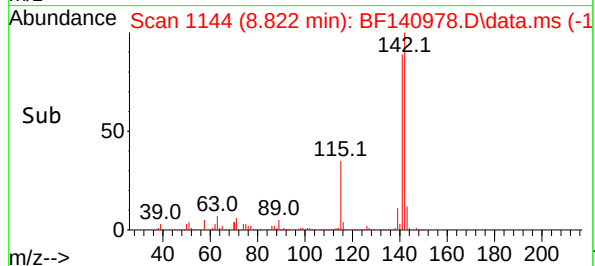
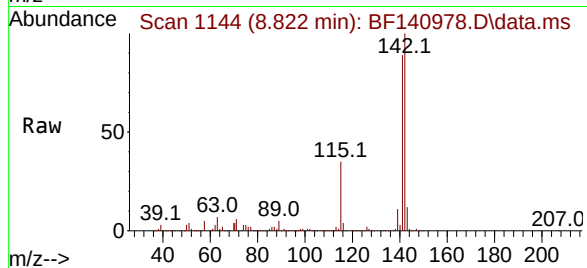
141 88.5 71.1 106.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#38

1-Methylnaphthalene

Concen: 37.974 ng

RT: 8.922 min Scan# 1161

Delta R.T. 0.000 min

Lab File: BF140978.D

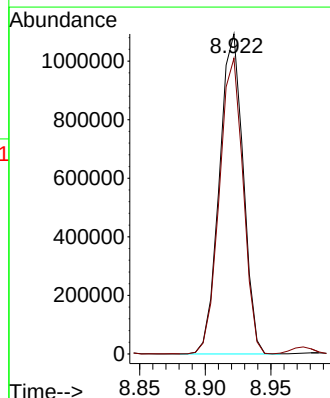
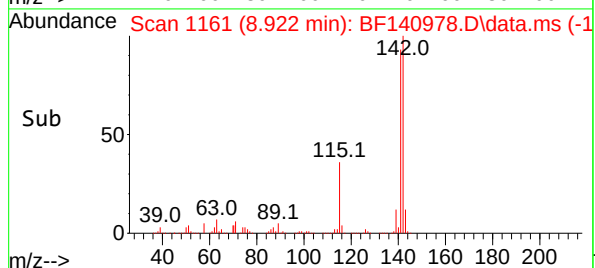
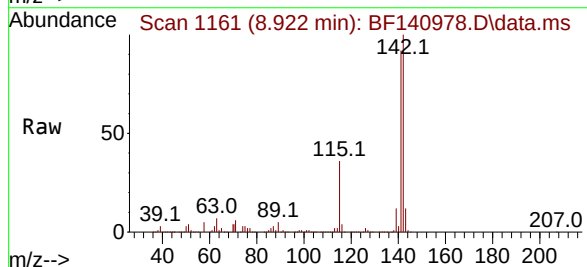
Acq: 26 Dec 2024 19:52

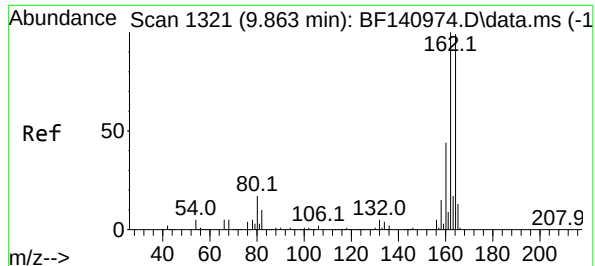
Tgt Ion:142 Resp: 1379859

Ion Ratio Lower Upper

142 100

141 92.4 72.7 109.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.863 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF140978.D

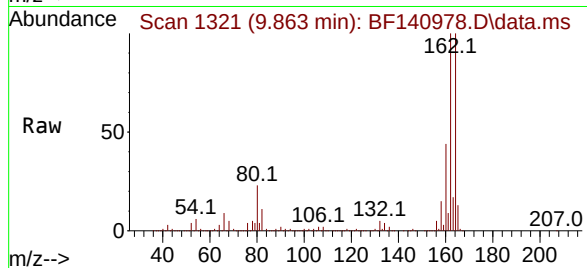
Acq: 26 Dec 2024 19:52

Instrument :

BNA_F

ClientSampleId :

ICVBF122624



Tgt Ion:164 Resp: 58666

Ion Ratio Lower Upper

164 100

162 99.9 80.6 120.8

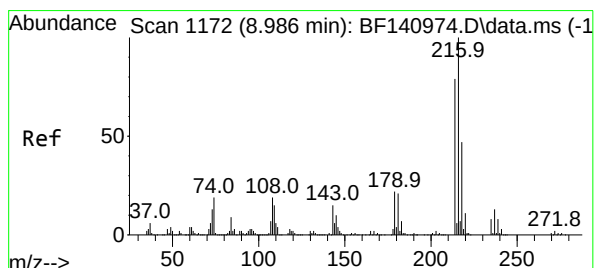
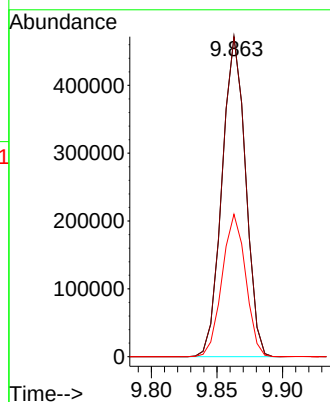
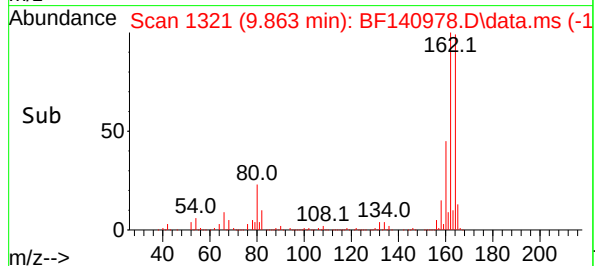
160 44.5 35.7 53.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#40

1,2,4,5-Tetrachlorobenzene

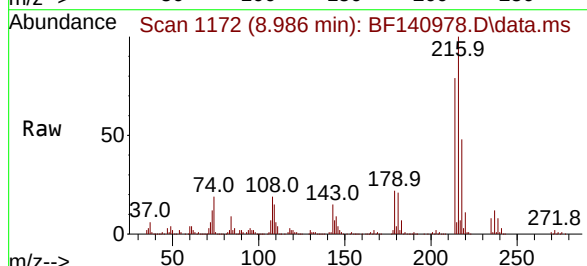
Concen: 38.527 ng

RT: 8.986 min Scan# 1172

Delta R.T. 0.000 min

Lab File: BF140978.D

Acq: 26 Dec 2024 19:52



Tgt Ion:216 Resp: 621819

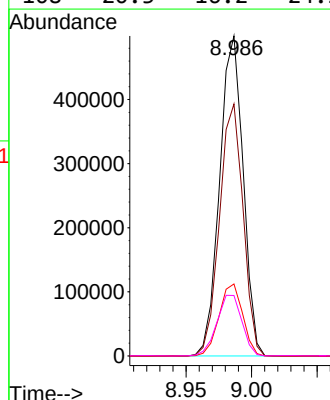
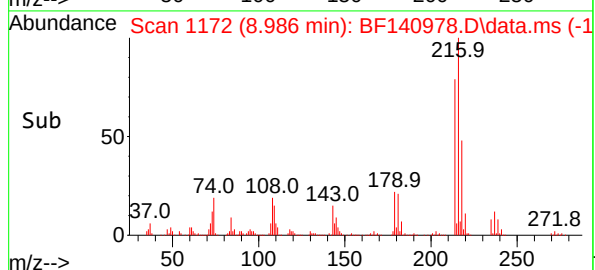
Ion Ratio Lower Upper

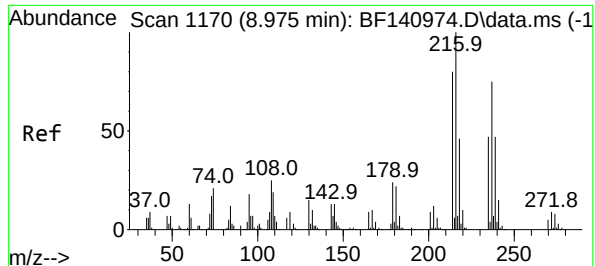
216 100

214 78.9 63.0 94.6

179 22.7 17.9 26.9

108 20.3 16.2 24.2





#41

Hexachlorocyclopentadiene

Concen: 40.560 ng

RT: 8.975 min Scan# 1170

Delta R.T. 0.000 min

Lab File: BF140978.D

Acq: 26 Dec 2024 19:52

Instrument :

BNA_F

ClientSampleId :

ICVBF122624

Tgt Ion:237 Resp: 216938

Ion Ratio Lower Upper

237 100

235 63.3 43.4 83.4

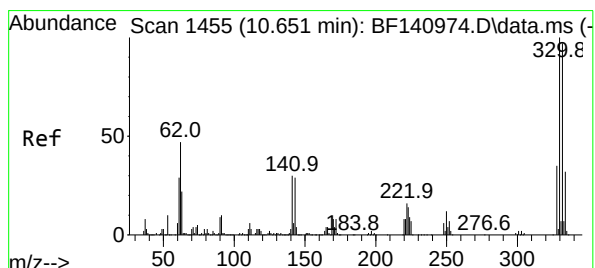
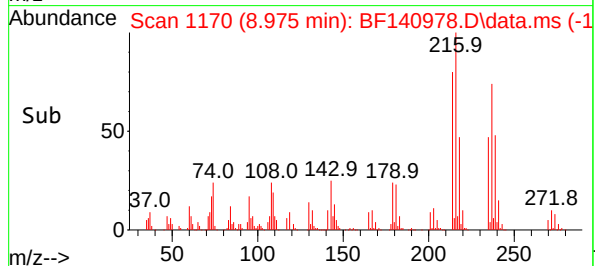
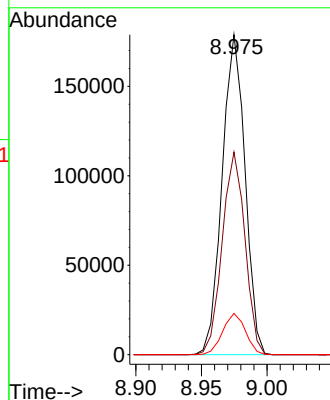
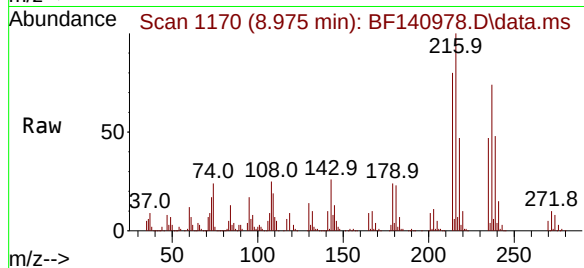
272 12.9 0.0 32.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#42

2,4,6-Tribromophenol

Concen: 82.713 ng

RT: 10.651 min Scan# 1455

Delta R.T. 0.000 min

Lab File: BF140978.D

Acq: 26 Dec 2024 19:52

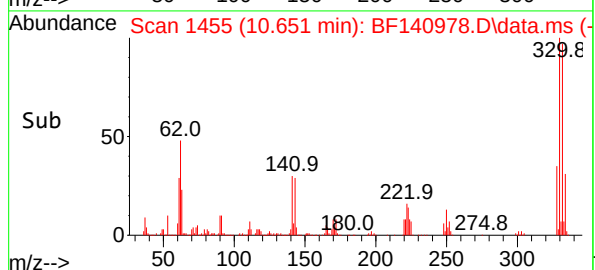
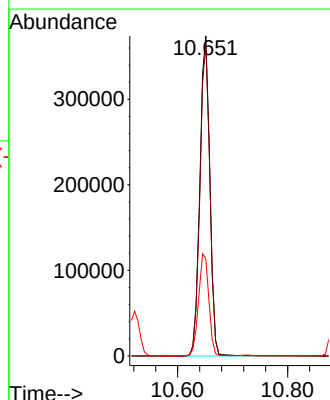
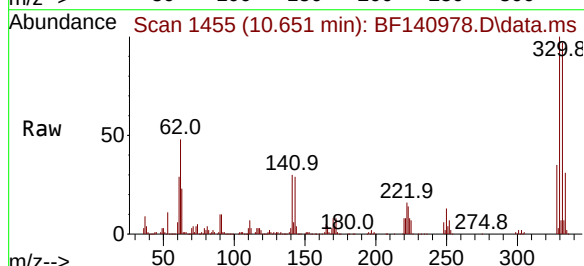
Tgt Ion:330 Resp: 471519

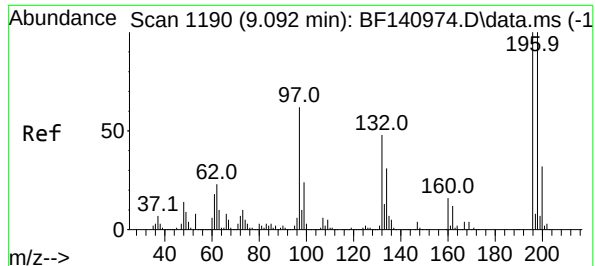
Ion Ratio Lower Upper

330 100

332 97.1 78.0 117.0

141 33.0 26.4 39.6





#43

2,4,6-Trichlorophenol

Concen: 40.180 ng

RT: 9.092 min Scan# 1190

Delta R.T. 0.000 min

Lab File: BF140978.D

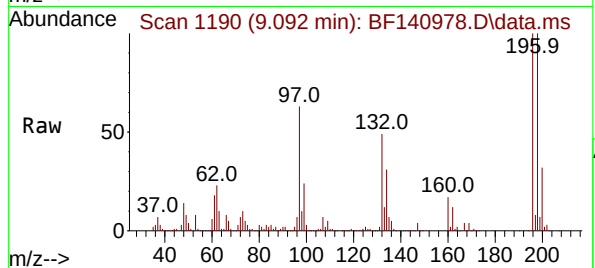
Acq: 26 Dec 2024 19:52

Instrument :

BNA_F

ClientSampleId :

ICVBF122624



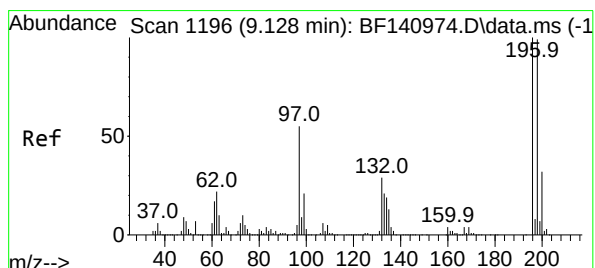
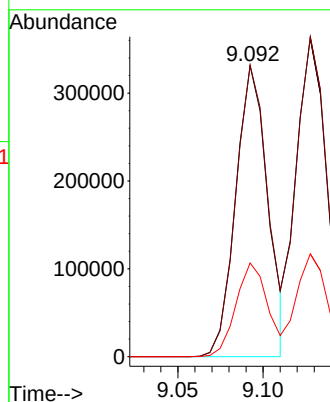
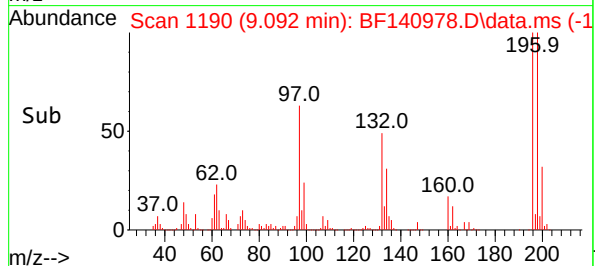
Tgt Ion:196	Resp:	43160
Ion	Ratio	Lower Upper
196	100	
198	100.2	80.2 120.4
200	32.2	25.8 38.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#44

2,4,5-Trichlorophenol

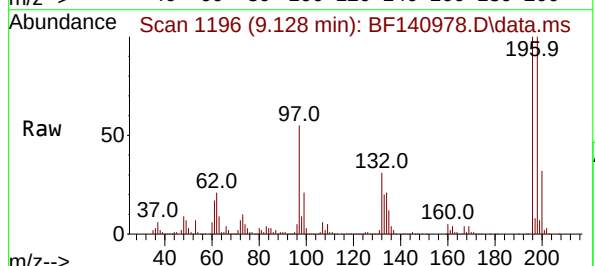
Concen: 40.663 ng

RT: 9.128 min Scan# 1196

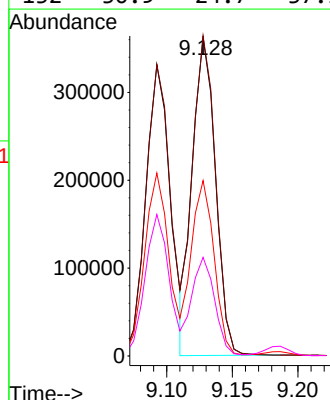
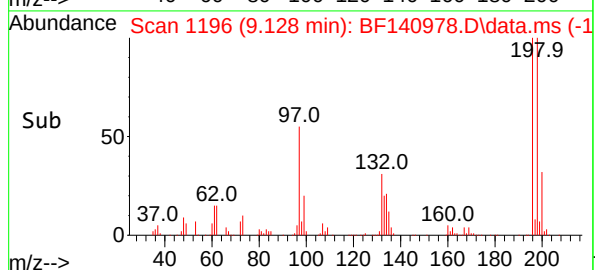
Delta R.T. 0.000 min

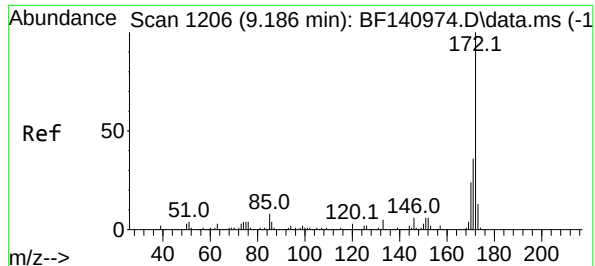
Lab File: BF140978.D

Acq: 26 Dec 2024 19:52



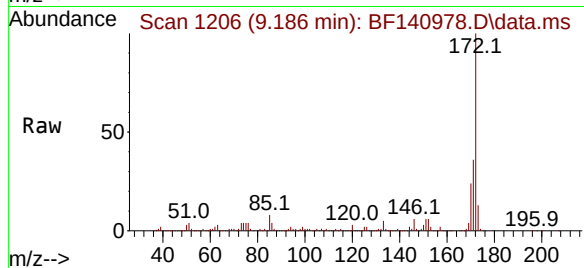
Tgt Ion:196	Resp:	446928
Ion	Ratio	Lower Upper
196	100	
198	100.5	79.9 119.9
97	55.1	44.3 66.5
132	30.9	24.7 37.1





#45
2-Fluorobiphenyl
Concen: 74.821 ng
RT: 9.186 min Scan# 1206
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

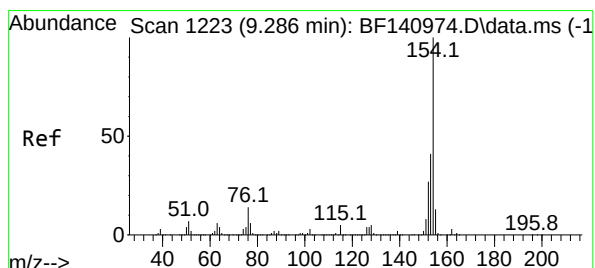
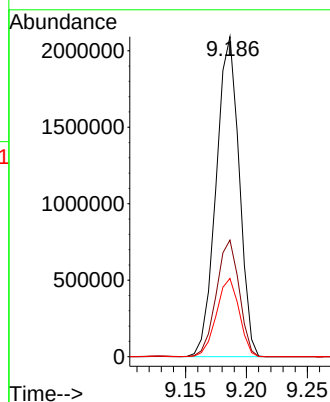
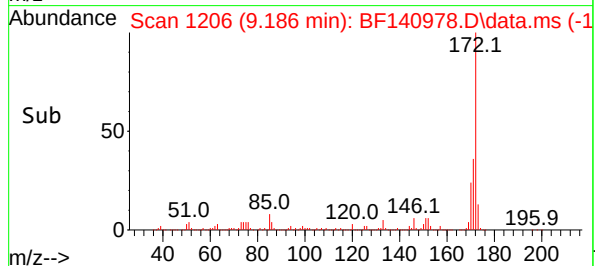
Instrument :
BNA_F
ClientSampleId :
ICVBF122624



Tgt Ion:172 Resp: 2755058
Ion Ratio Lower Upper
172 100
171 36.4 29.0 43.4
170 24.4 19.6 29.4

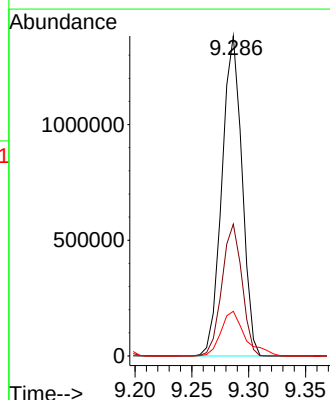
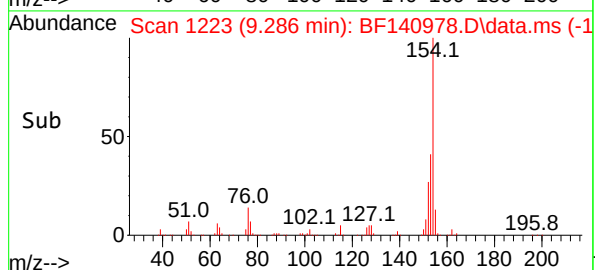
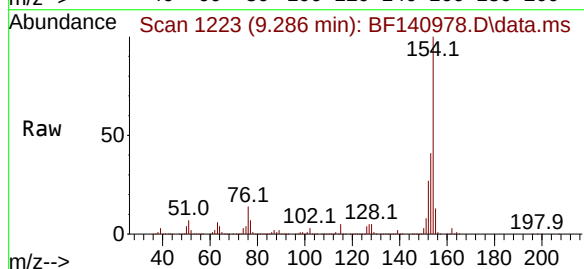
Manual Integrations
APPROVED

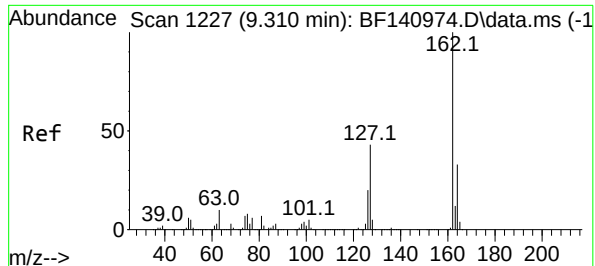
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#46
1,1'-Biphenyl
Concen: 37.916 ng
RT: 9.286 min Scan# 1223
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

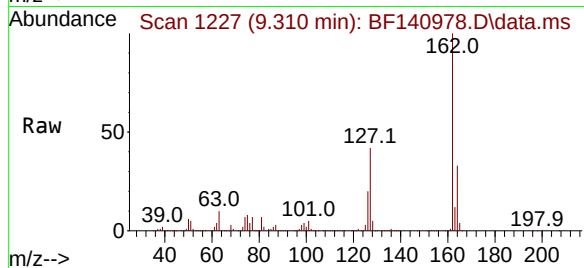
Tgt Ion:154 Resp: 1703208
Ion Ratio Lower Upper
154 100
153 41.2 20.9 60.9
76 14.0 0.0 34.0





#47
2-Chloronaphthalene
Concen: 38.442 ng
RT: 9.310 min Scan# 1227
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

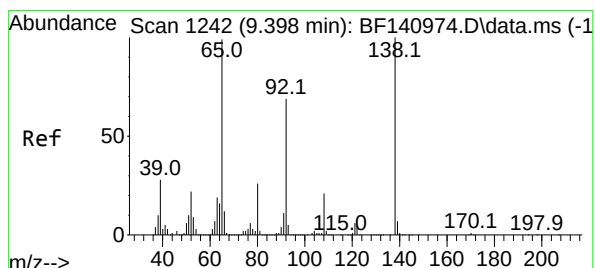
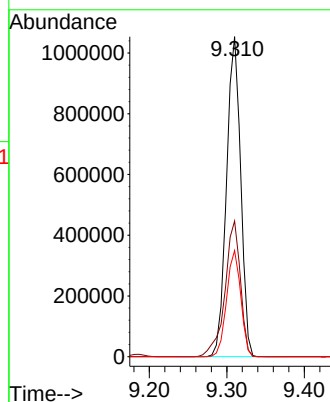
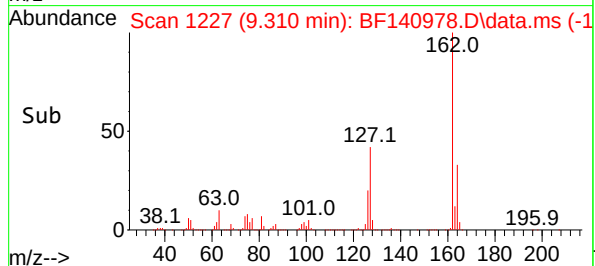
Instrument :
BNA_F
ClientSampleId :
ICVBF122624



Tgt Ion:162 Resp: 133928
Ion Ratio Lower Upper
162 100
127 42.4 34.2 51.4
164 33.2 26.6 40.0

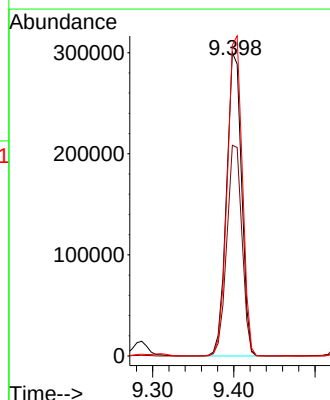
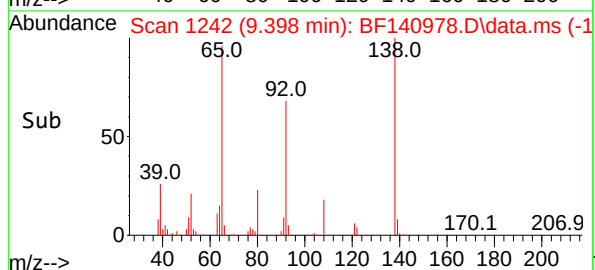
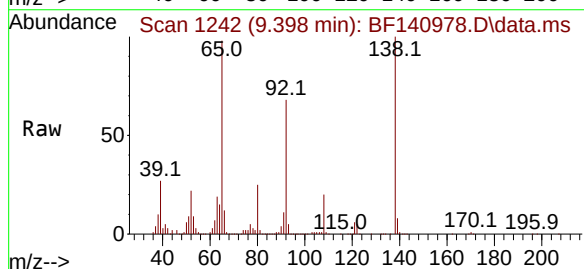
Manual Integrations
APPROVED

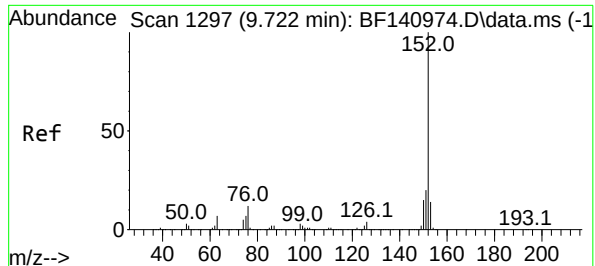
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#48
2-Nitroaniline
Concen: 43.198 ng
RT: 9.398 min Scan# 1242
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion: 65 Resp: 389029
Ion Ratio Lower Upper
65 100
92 69.5 55.6 83.4
138 102.5 80.5 120.7





#49

Acenaphthylene

Concen: 38.272 ng

RT: 9.722 min Scan# 1297

Delta R.T. -0.000 min

Lab File: BF140978.D

Acq: 26 Dec 2024 19:52

Instrument :

BNA_F

ClientSampleId :

ICVBF122624

Tgt Ion:152 Resp: 1919430

Ion Ratio Lower Upper

152 100

151 20.5 16.2 24.4

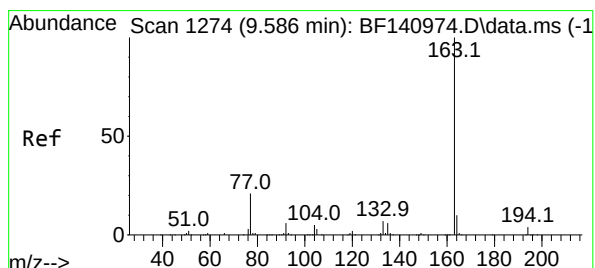
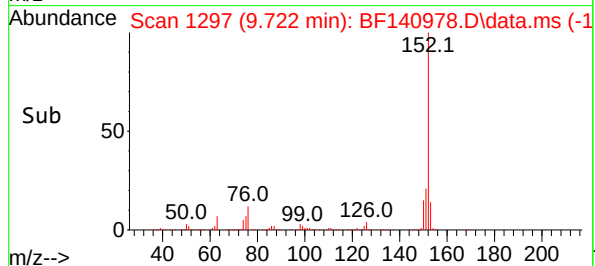
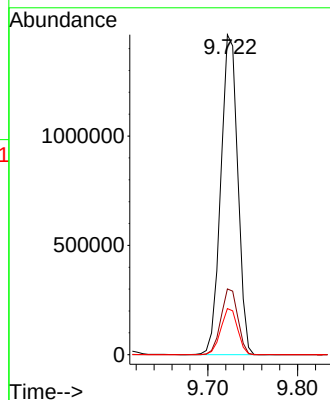
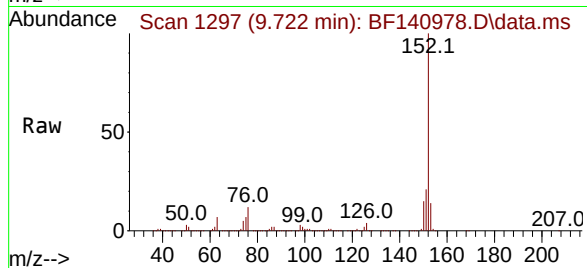
153 14.4 11.4 17.0

Manual Integrations

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Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#50

Dimethylphthalate

Concen: 38.422 ng

RT: 9.586 min Scan# 1274

Delta R.T. 0.000 min

Lab File: BF140978.D

Acq: 26 Dec 2024 19:52

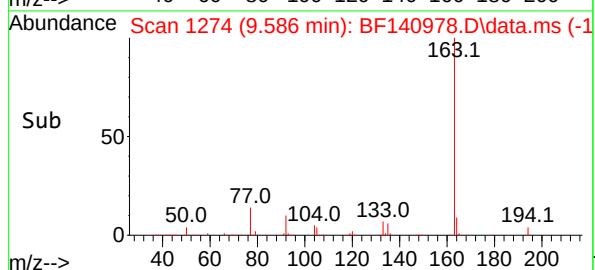
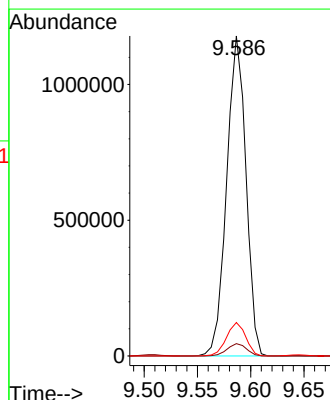
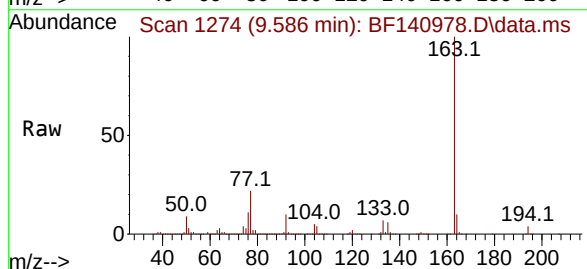
Tgt Ion:163 Resp: 1482676

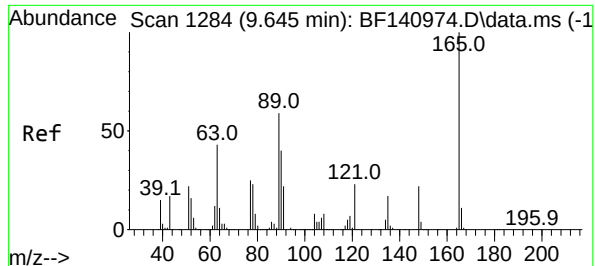
Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

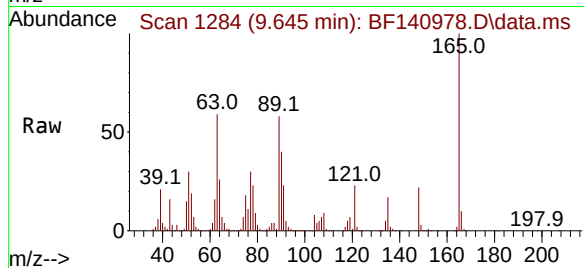
164 10.4 8.3 12.5





#51
2,6-Dinitrotoluene
Concen: 42.386 ng
RT: 9.645 min Scan# 1284
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

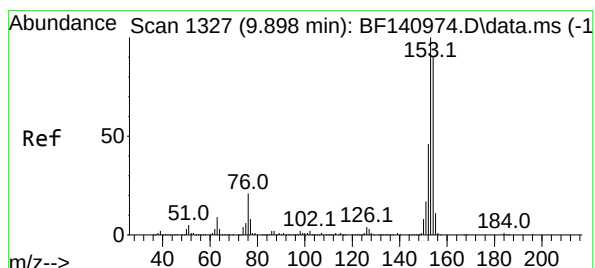
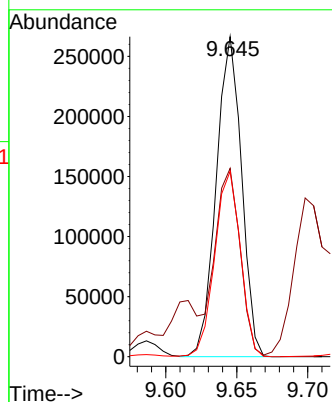
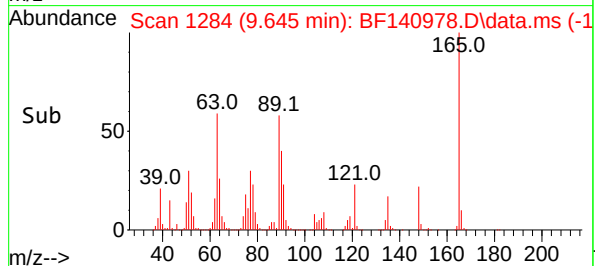
Instrument :
BNA_F
ClientSampleId :
ICVBF122624



Tgt Ion:165 Resp: 32992
Ion Ratio Lower Upper
165 100
63 58.9 47.1 70.7
89 57.9 47.0 70.4

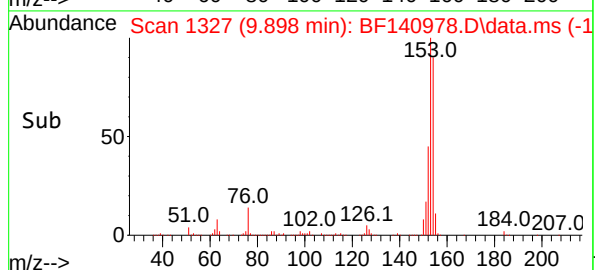
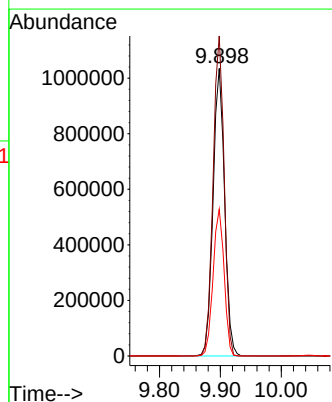
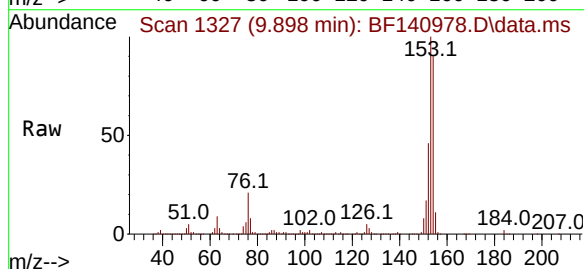
Manual Integrations
APPROVED

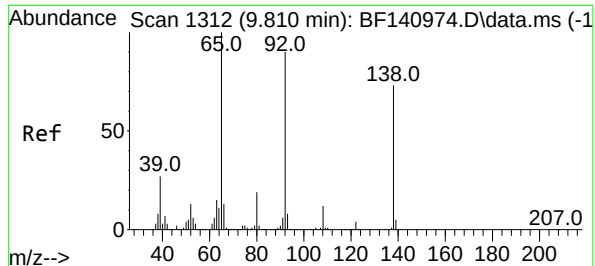
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#52
Acenaphthene
Concen: 40.168 ng
RT: 9.898 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

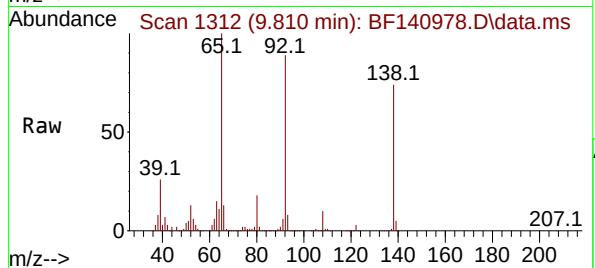
Tgt Ion:154 Resp: 1361911
Ion Ratio Lower Upper
154 100
153 111.3 89.2 133.8
152 51.0 40.9 61.3





#53
3-Nitroaniline
Concen: 42.522 ng
RT: 9.810 min Scan# 1312
Delta R.T. -0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

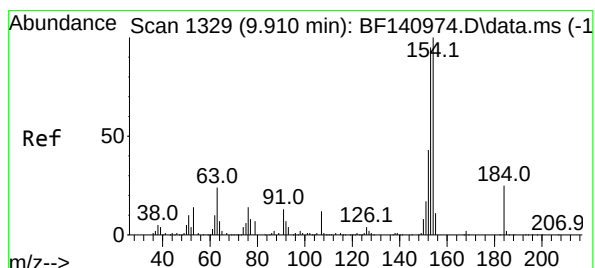
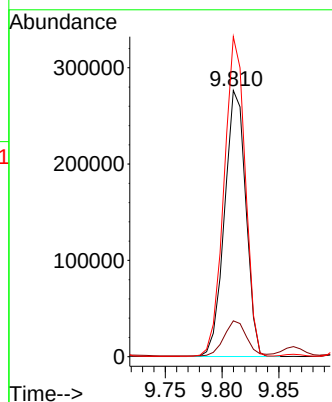
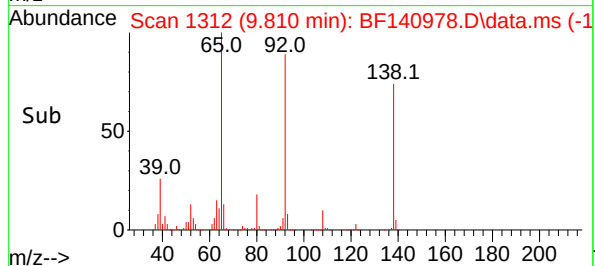
Instrument :
BNA_F
ClientSampleId :
ICVBF122624



Tgt Ion:138 Resp: 36049
Ion Ratio Lower Upper
138 100
108 13.4 13.5 20.3
92 120.2 97.7 146.5

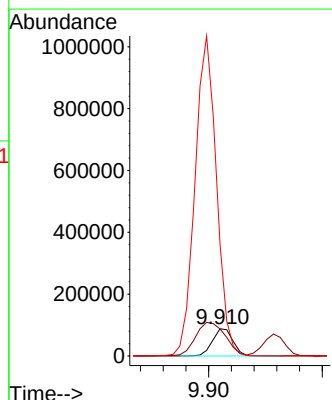
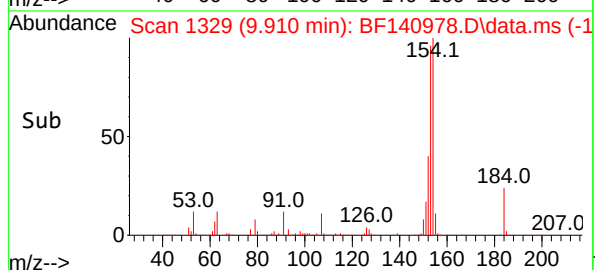
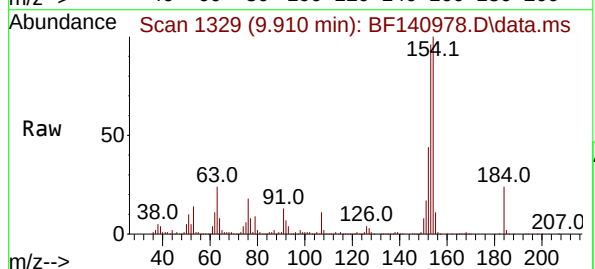
Manual Integrations
APPROVED

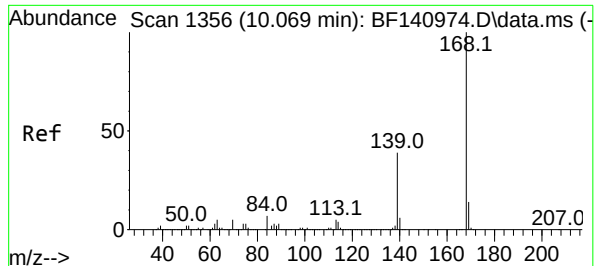
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#54
2,4-Dinitrophenol
Concen: 45.538 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:184 Resp: 110045
Ion Ratio Lower Upper
184 100
63 99.5 81.6 122.4
154 410.3 363.5 545.3





#55

Dibenzenofuran

Concen: 38.318 ng

RT: 10.069 min Scan# 1356

Delta R.T. 0.000 min

Lab File: BF140978.D

Acq: 26 Dec 2024 19:52

Instrument :

BNA_F

ClientSampleId :

ICVBF122624

Tgt Ion:168 Resp: 182581

Ion Ratio Lower Upper

168 100

139 39.2 31.6 47.4

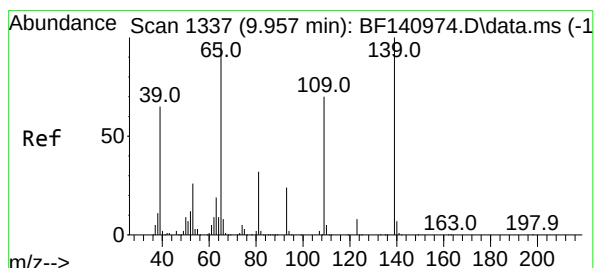
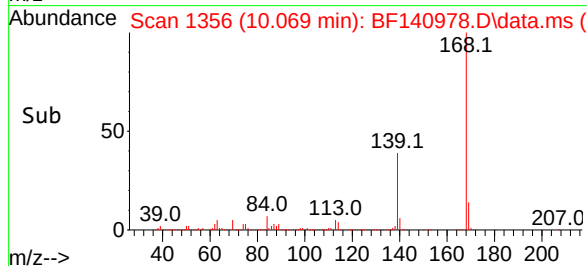
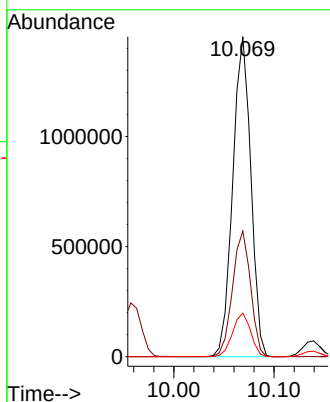
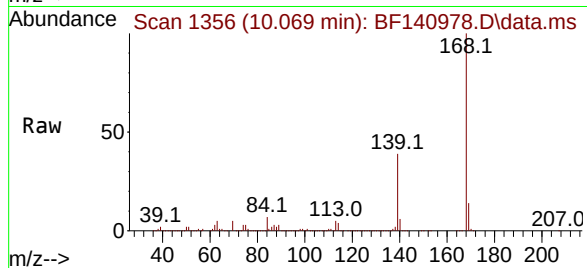
169 13.6 11.0 16.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#56

4-Nitrophenol

Concen: 48.593 ng

RT: 9.957 min Scan# 1337

Delta R.T. 0.000 min

Lab File: BF140978.D

Acq: 26 Dec 2024 19:52

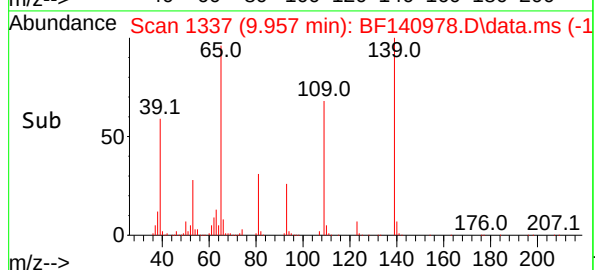
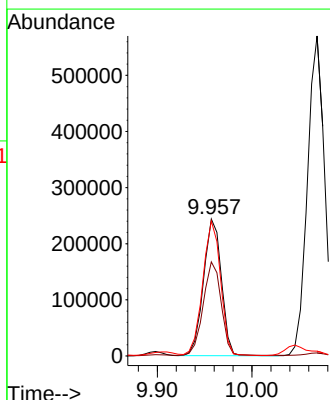
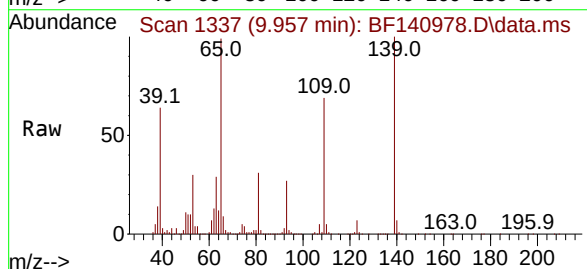
Tgt Ion:139 Resp: 320756

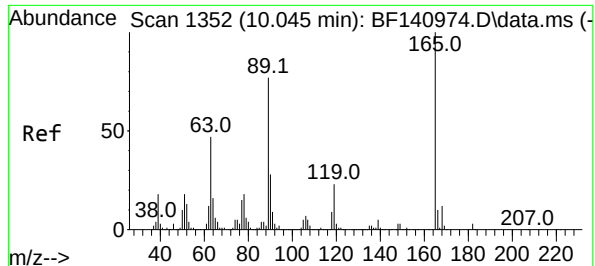
Ion Ratio Lower Upper

139 100

109 68.6 50.8 90.8

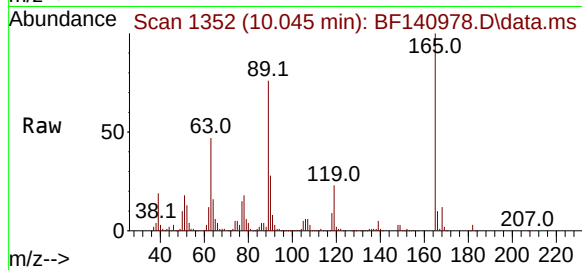
65 98.5 78.5 118.5





#57
2,4-Dinitrotoluene
Concen: 44.506 ng
RT: 10.045 min Scan# 1352
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

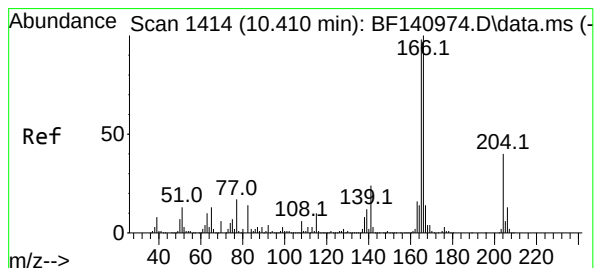
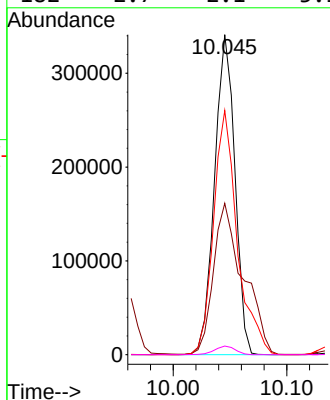
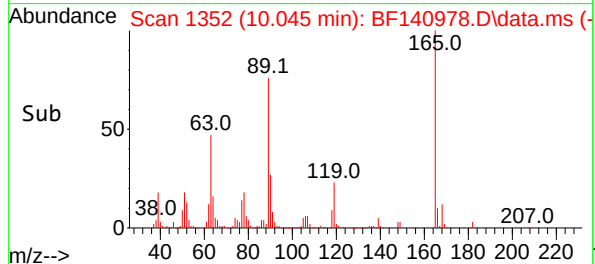
Instrument :
BNA_F
ClientSampleId :
ICVBF122624



Tgt Ion:165 Resp: 42511
Ion Ratio Lower Upper
165 100
63 47.3 38.1 57.1
89 76.3 61.4 92.2
182 2.7 2.1 3.1

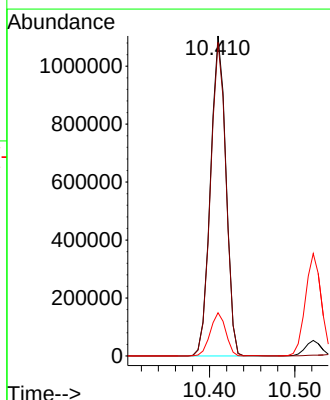
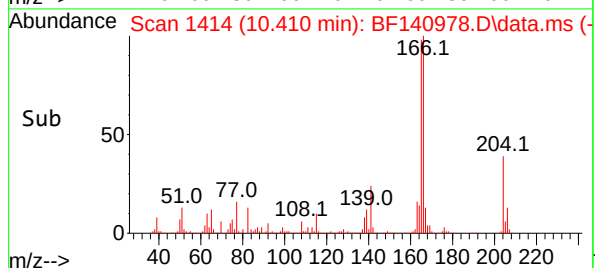
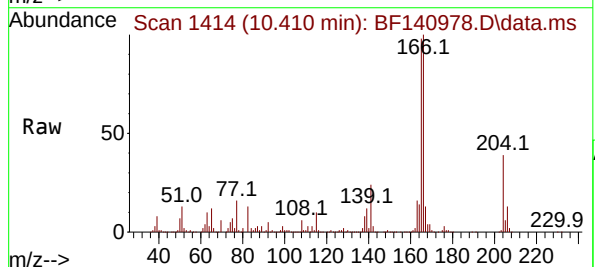
Manual Integrations
APPROVED

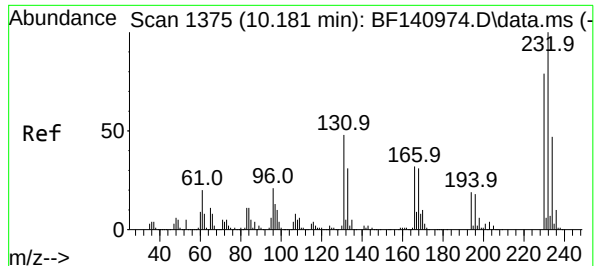
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#58
Fluorene
Concen: 37.668 ng
RT: 10.410 min Scan# 1414
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

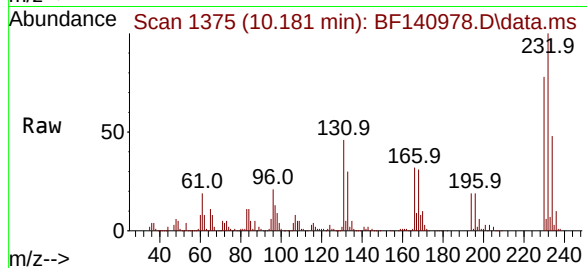
Tgt Ion:166 Resp: 1391829
Ion Ratio Lower Upper
166 100
165 98.0 78.3 117.5
167 13.5 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 41.681 ng
RT: 10.181 min Scan# 1375
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

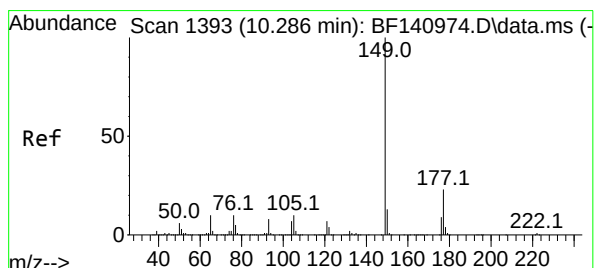
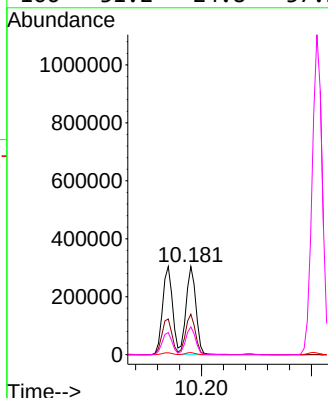
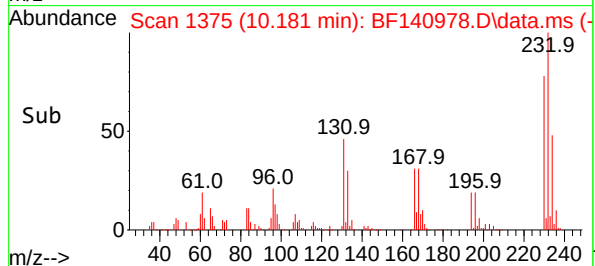
Instrument :
BNA_F
ClientSampleId :
ICVBF122624



Tgt Ion:232 Resp: 379409
Ion Ratio Lower Upper
232 100
131 45.6 37.4 56.2
130 2.3 1.8 2.8
166 31.2 24.8 37.2

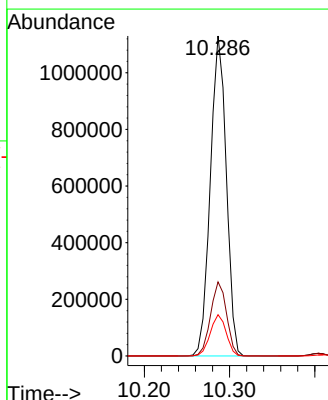
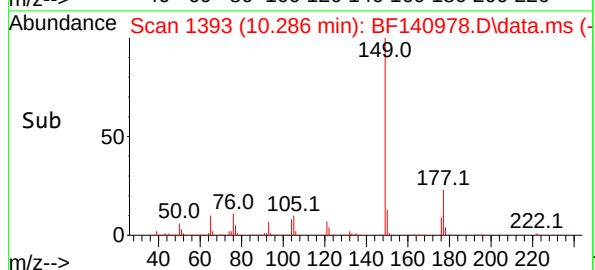
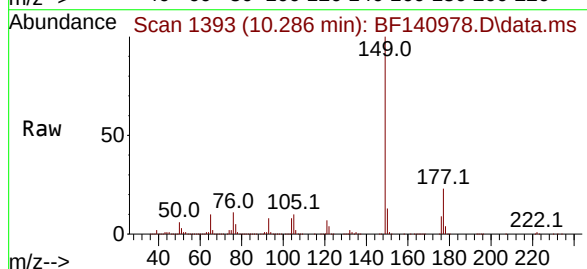
Manual Integrations
APPROVED

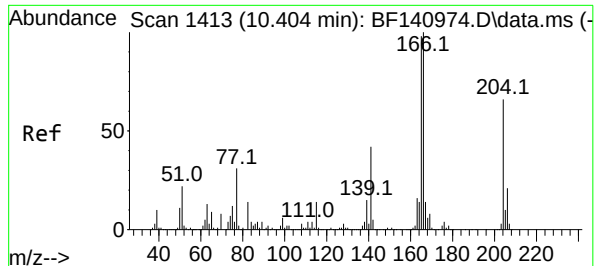
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#60
Diethylphthalate
Concen: 38.629 ng
RT: 10.286 min Scan# 1393
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:149 Resp: 1471636
Ion Ratio Lower Upper
149 100
177 23.1 18.3 27.5
150 12.9 10.4 15.6





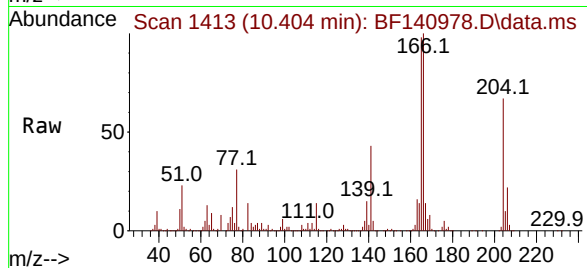
#61
4-Chlorophenyl-phenylether
Concen: 37.928 ng
RT: 10.404 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Instrument :

BNA_F

ClientSampleId :

ICVBF122624

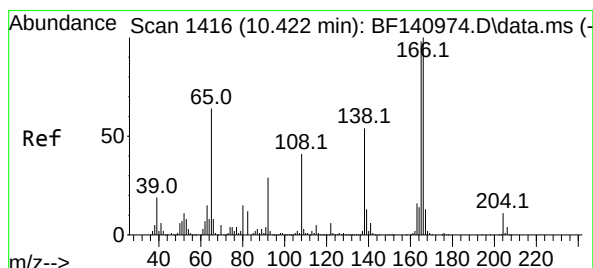
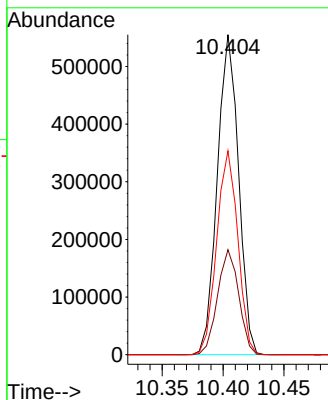
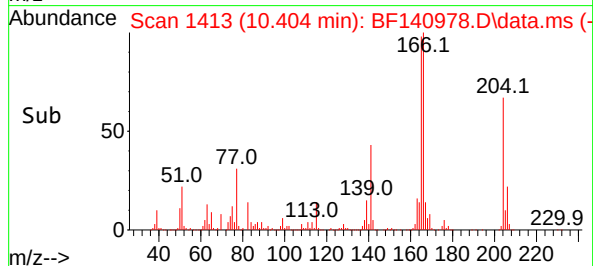


Tgt Ion:204 Resp: 67432
Ion Ratio Lower Upper
204 100
206 32.8 25.8 38.6
141 63.7 51.2 76.8

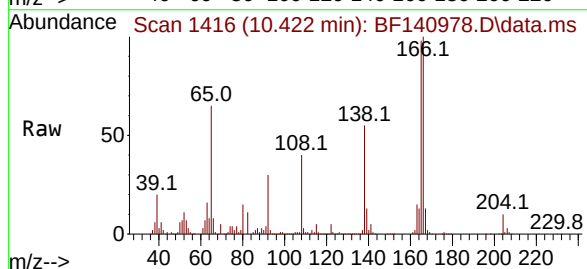
Manual Integrations

APPROVED

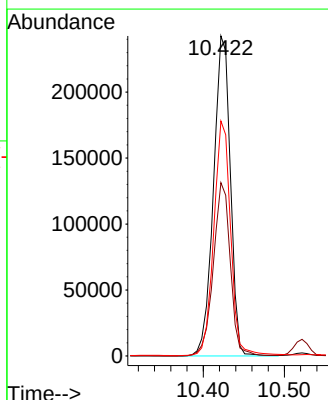
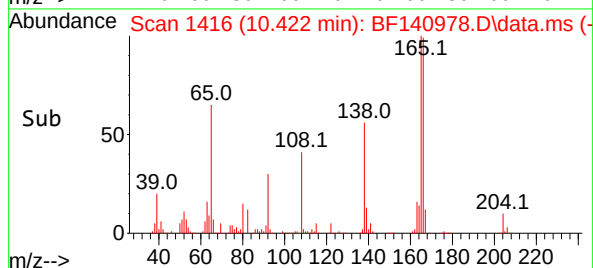
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

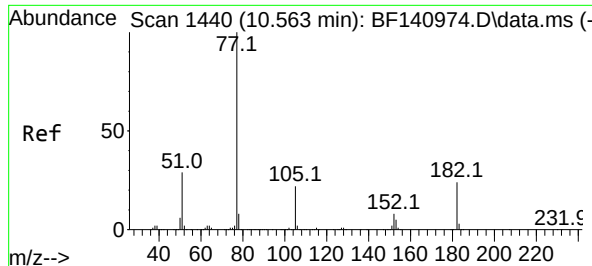


#62
4-Nitroaniline
Concen: 41.571 ng
RT: 10.422 min Scan# 1416
Delta R.T. -0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52



Tgt Ion:138 Resp: 351313
Ion Ratio Lower Upper
138 100
92 54.1 34.8 74.8
108 73.4 55.9 95.9





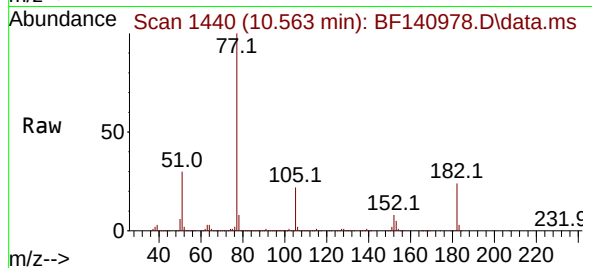
#63
Azobenzene
Concen: 38.471 ng
RT: 10.563 min Scan# 1440
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Instrument :

BNA_F

ClientSampleId :

ICVBF122624

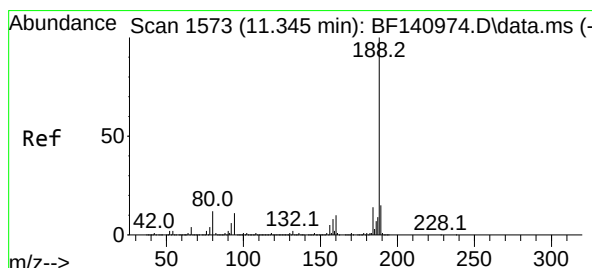
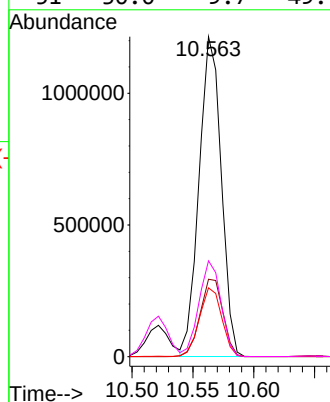
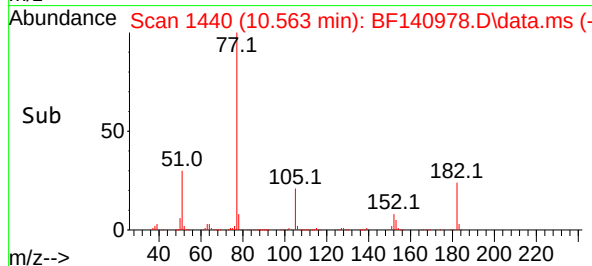


Tgt Ion: 77 Resp: 153832
Ion Ratio Lower Upper
77 100
182 24.2 4.1 44.1
105 21.5 1.8 41.8
51 30.0 9.7 49.7

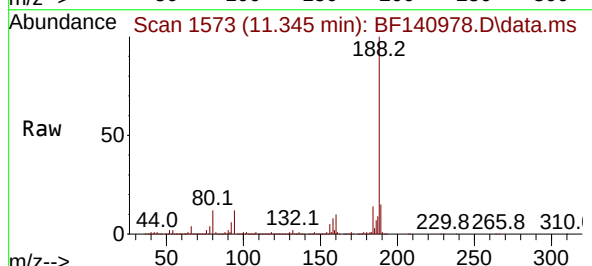
Manual Integrations

APPROVED

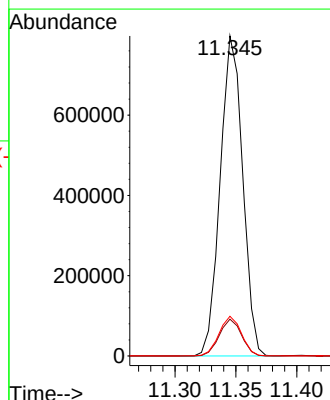
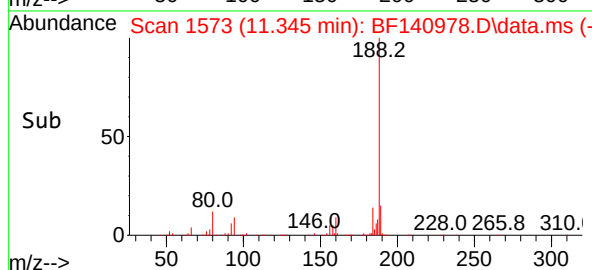
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

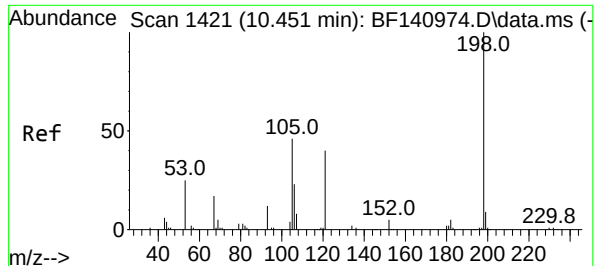


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1573
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52



Tgt Ion:188 Resp: 1025959
Ion Ratio Lower Upper
188 100
94 11.5 9.0 13.6
80 12.4 9.8 14.6





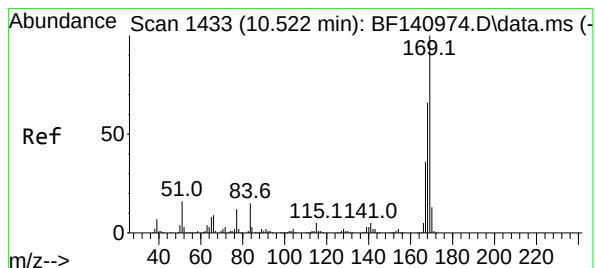
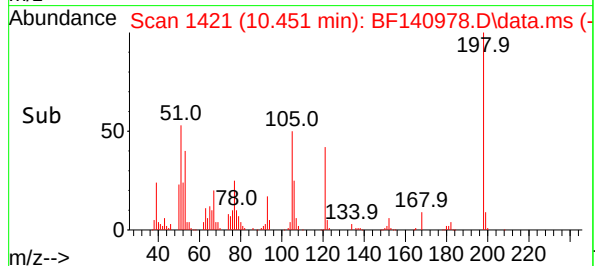
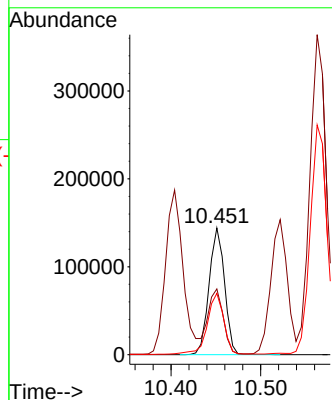
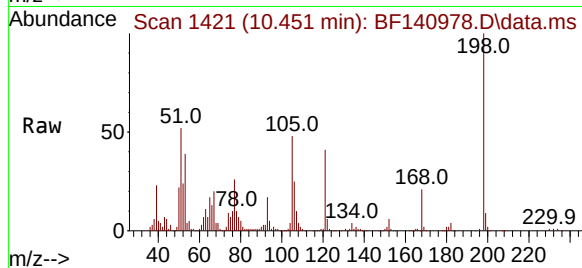
#65
4,6-Dinitro-2-methylphenol
Concen: 43.296 ng
RT: 10.451 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Tgt Ion:198 Resp: 17245
Ion Ratio Lower Upper
198 100
51 51.9 32.3 72.3
105 48.3 28.4 68.4

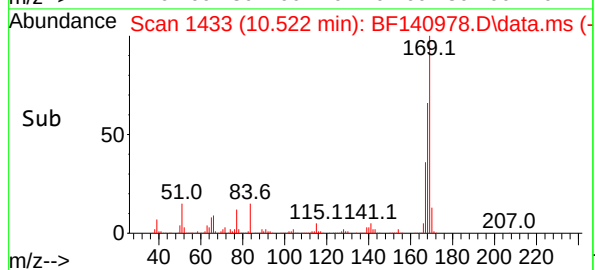
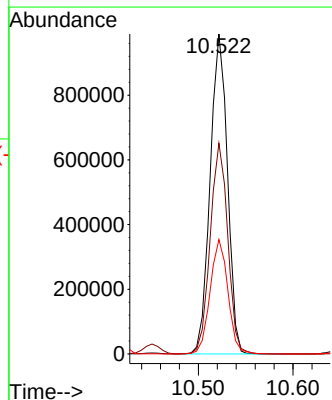
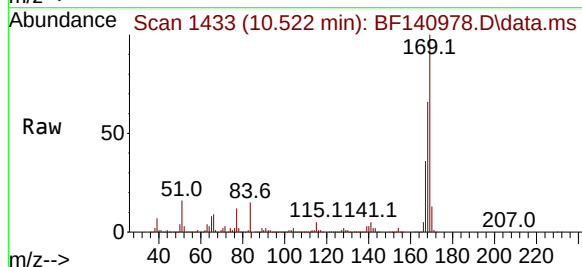
Manual Integrations
APPROVED

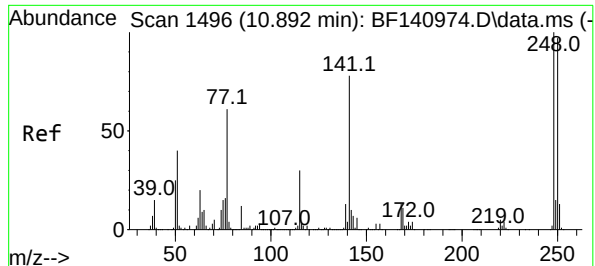
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#66
n-Nitrosodiphenylamine
Concen: 38.777 ng
RT: 10.522 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

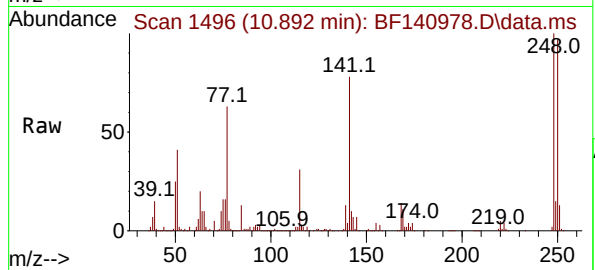
Tgt Ion:169 Resp: 1252782
Ion Ratio Lower Upper
169 100
168 65.8 52.6 79.0
167 35.8 29.0 43.4





#67
4-Bromophenyl-phenylether
Concen: 39.247 ng
RT: 10.892 min Scan# 1496
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

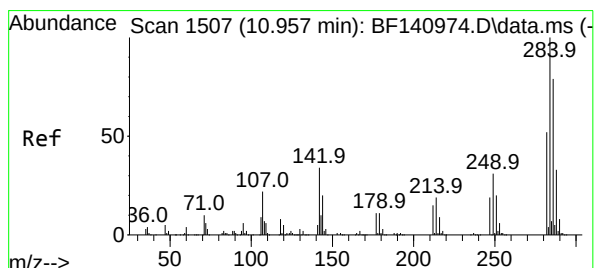
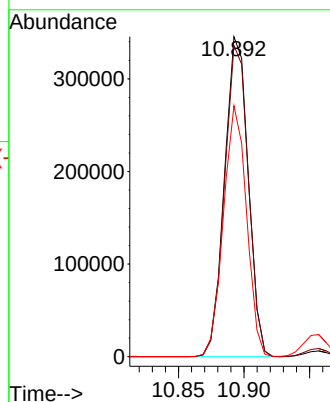
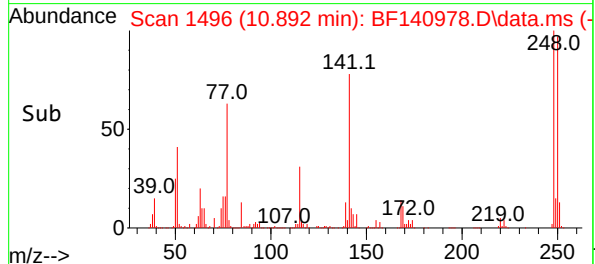
Instrument :
BNA_F
ClientSampleId :
ICVBF122624



Tgt Ion:248 Resp: 435284
Ion Ratio Lower Upper
248 100
250 97.2 77.7 116.5
141 78.4 62.1 93.1

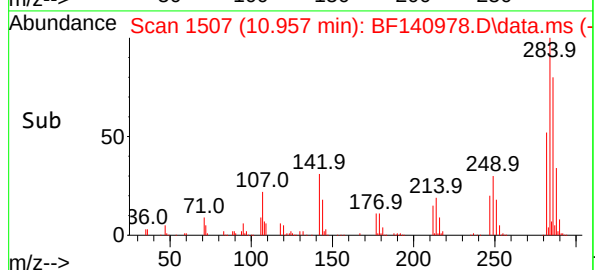
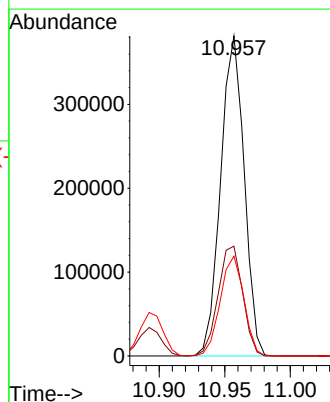
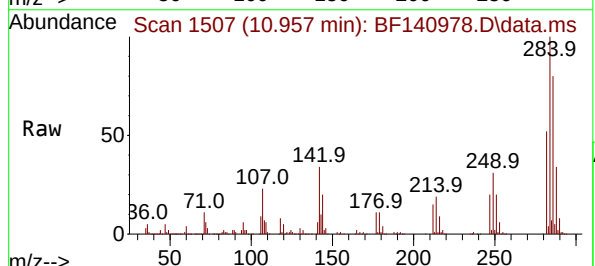
Manual Integrations
APPROVED

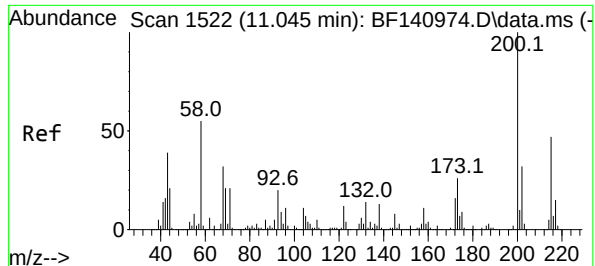
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#68
Hexachlorobenzene
Concen: 38.890 ng
RT: 10.957 min Scan# 1507
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:284 Resp: 475602
Ion Ratio Lower Upper
284 100
142 34.3 27.1 40.7
249 31.2 25.1 37.7





#69

Atrazine

Concen: 35.858 ng

RT: 11.045 min Scan# 1522

Delta R.T. 0.000 min

Lab File: BF140978.D

Acq: 26 Dec 2024 19:52

Instrument :

BNA_F

ClientSampleId :

ICVBF122624

Tgt Ion:200 Resp: 323638

Ion Ratio Lower Upper

200 100

173 26.2 6.4 46.4

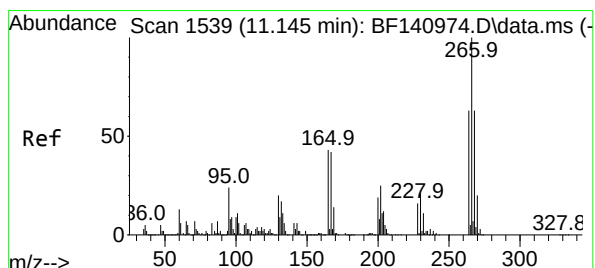
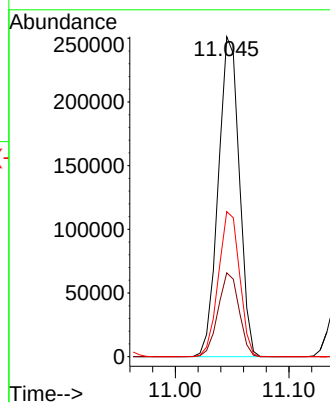
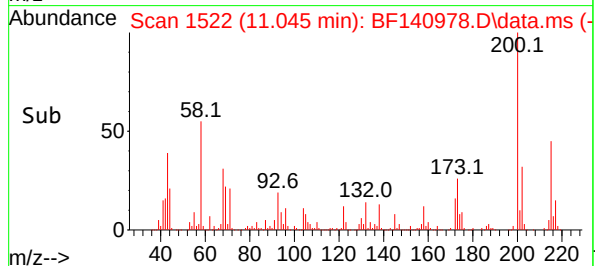
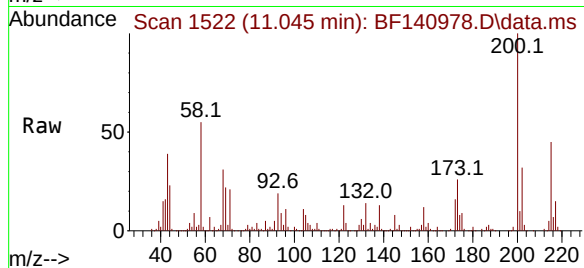
215 45.3 27.2 67.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#70

Pentachlorophenol

Concen: 45.869 ng

RT: 11.145 min Scan# 1539

Delta R.T. 0.000 min

Lab File: BF140978.D

Acq: 26 Dec 2024 19:52

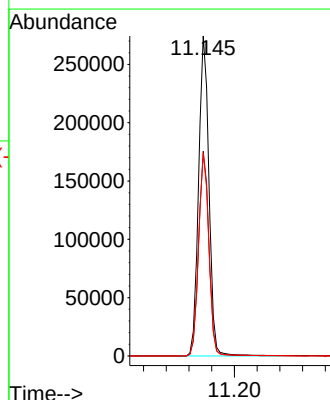
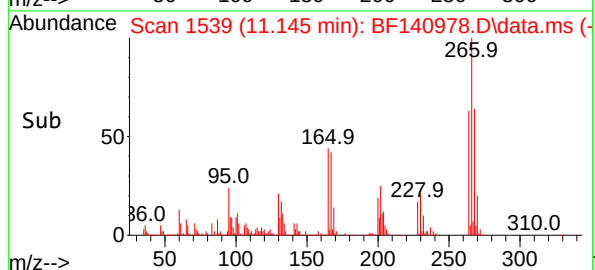
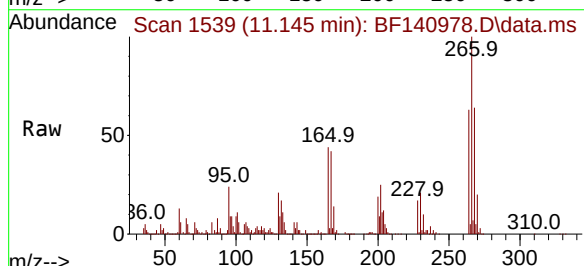
Tgt Ion:266 Resp: 349248

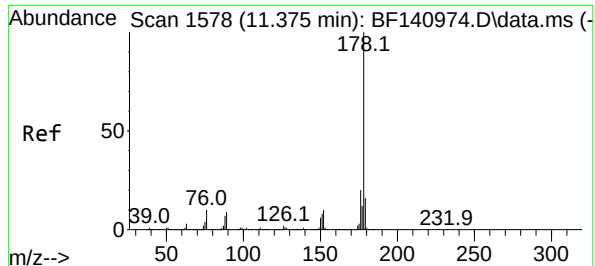
Ion Ratio Lower Upper

266 100

268 64.0 50.5 75.7

264 63.4 50.2 75.4





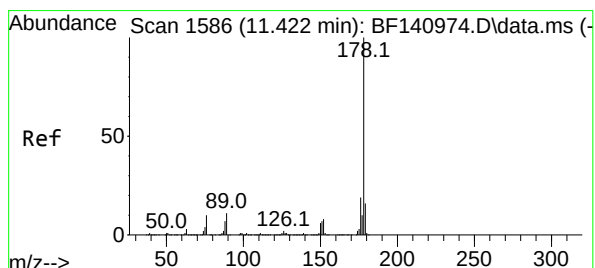
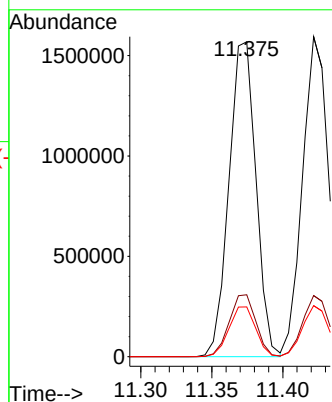
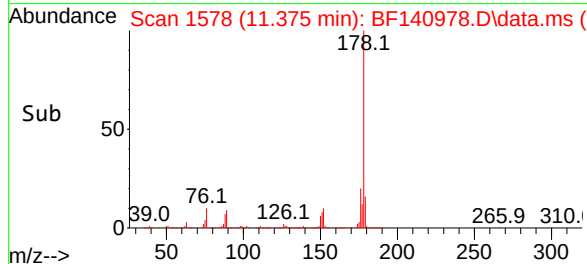
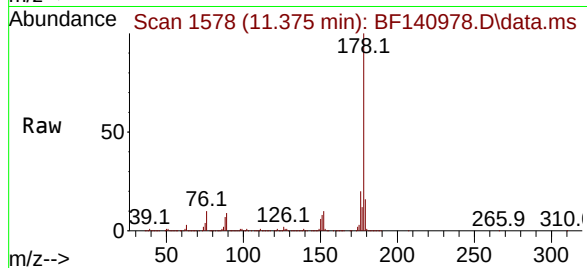
#71
Phenanthrene
Concen: 38.373 ng
RT: 11.375 min Scan# 1578
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Tgt Ion:178 Resp: 2072012
Ion Ratio Lower Upper
178 100
176 19.6 15.8 23.6
179 15.8 12.6 19.0

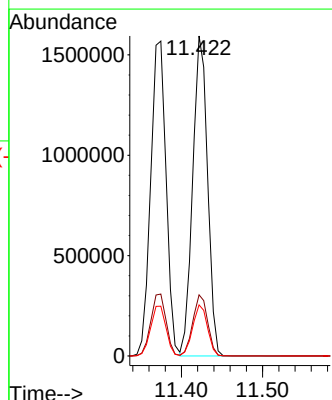
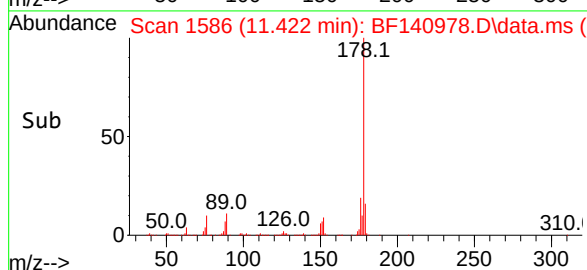
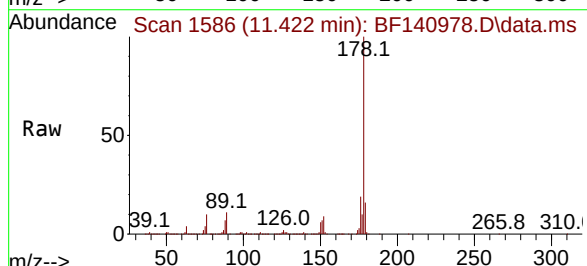
Manual Integrations
APPROVED

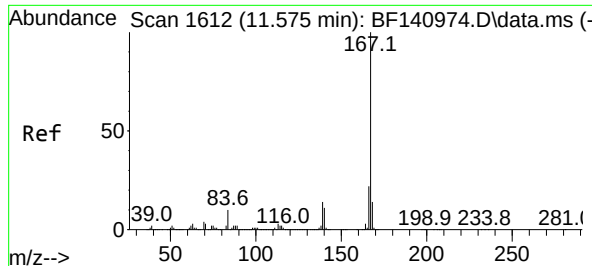
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#72
Anthracene
Concen: 38.325 ng
RT: 11.422 min Scan# 1586
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

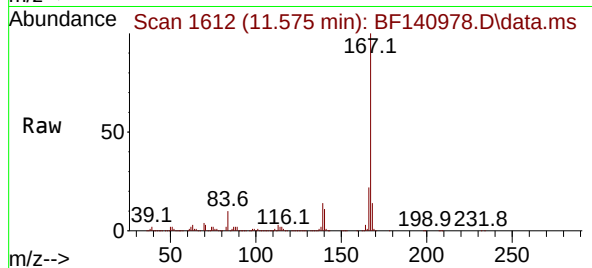
Tgt Ion:178 Resp: 2027823
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 16.0 12.9 19.3





#73
Carbazole
Concen: 38.096 ng
RT: 11.575 min Scan# 1612
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

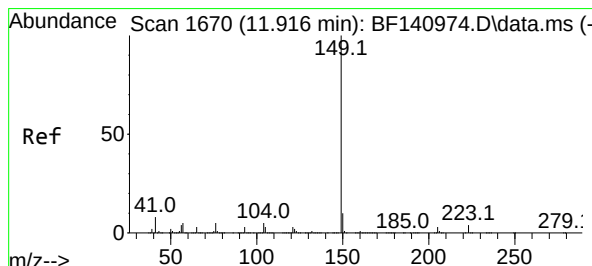
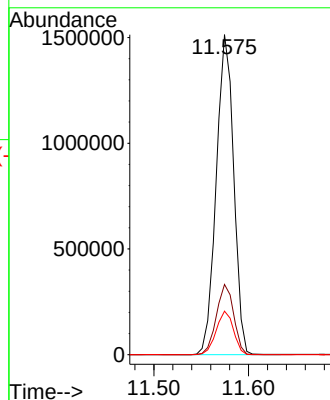
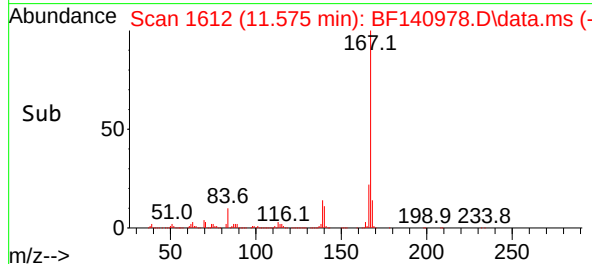
Instrument :
BNA_F
ClientSampleId :
ICVBF122624



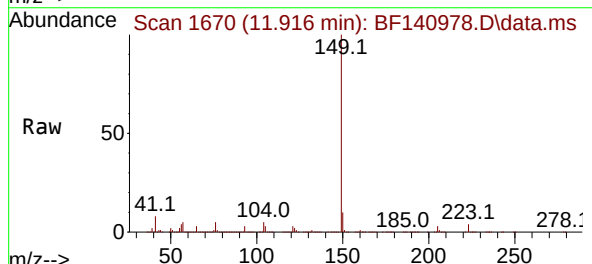
Tgt Ion:167 Resp: 1937732
Ion Ratio Lower Upper
167 100
166 22.0 17.5 26.3
139 13.6 11.0 16.4

Manual Integrations
APPROVED

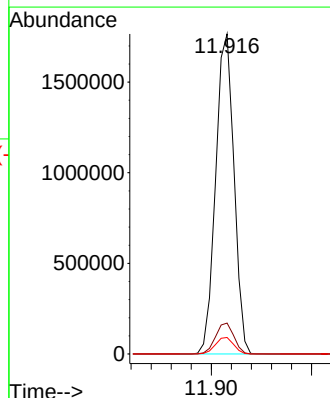
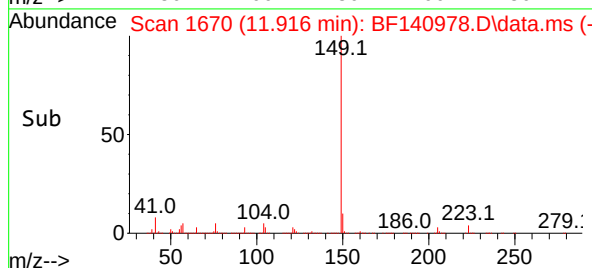
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

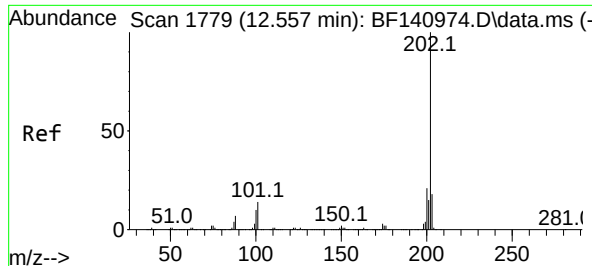


#74
Di-n-butylphthalate
Concen: 38.673 ng
RT: 11.916 min Scan# 1670
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52



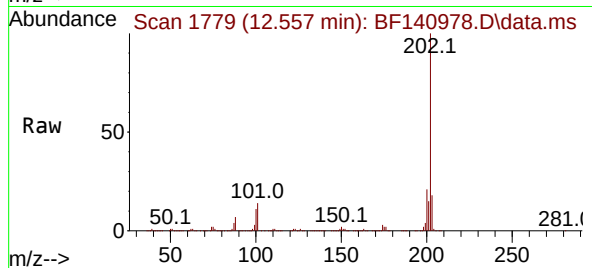
Tgt Ion:149 Resp: 2237362
Ion Ratio Lower Upper
149 100
150 9.6 7.7 11.5
104 5.1 4.1 6.1





#75
Fluoranthene
Concen: 37.724 ng
RT: 12.557 min Scan# 1779
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

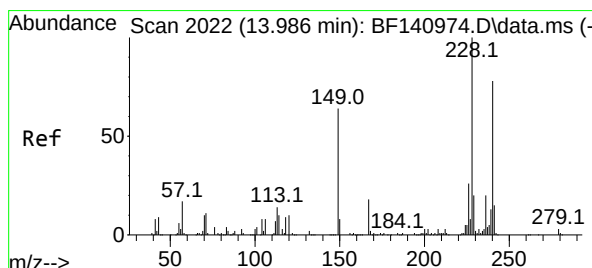
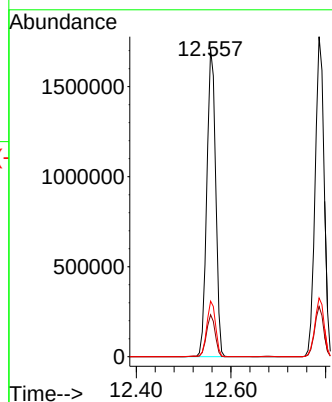
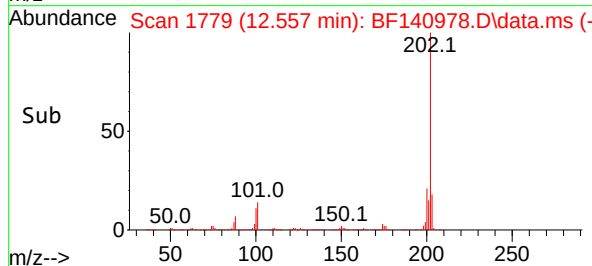
Instrument :
BNA_F
ClientSampleId :
ICVBF122624



Tgt Ion:202 Resp: 220924
Ion Ratio Lower Upper
202 100
101 13.7 0.0 33.7
203 18.1 0.0 38.1

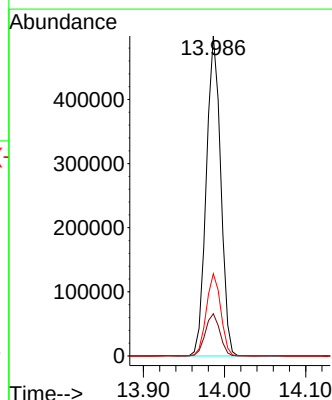
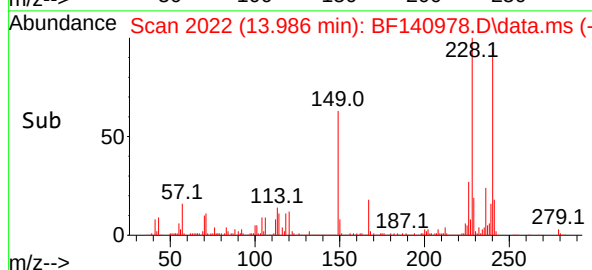
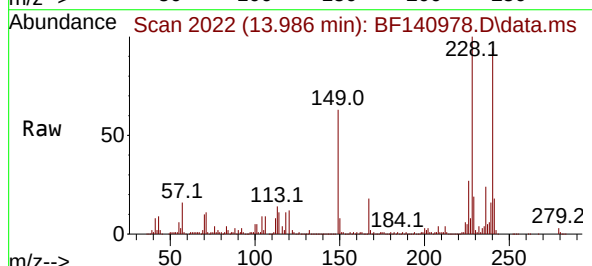
Manual Integrations
APPROVED

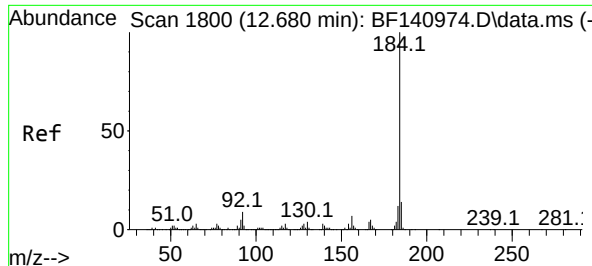
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 2022
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

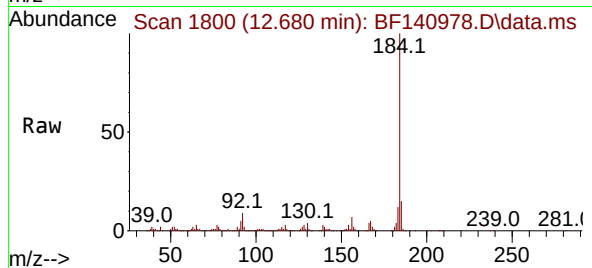
Tgt Ion:240 Resp: 614249
Ion Ratio Lower Upper
240 100
120 13.2 10.7 16.1
236 25.7 20.6 31.0





#77
Benzidine
Concen: 40.101 ng
RT: 12.680 min Scan# 1800
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

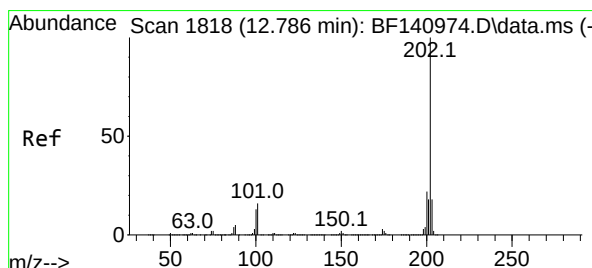
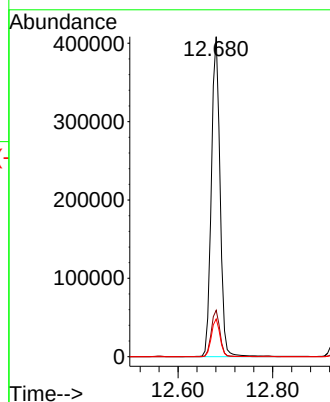
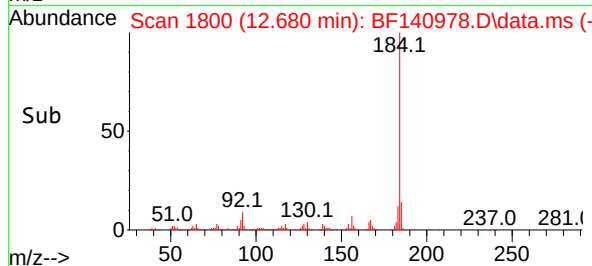
Instrument :
BNA_F
ClientSampleId :
ICVBF122624



Tgt Ion:184 Resp: 520572
Ion Ratio Lower Upper
184 100
185 14.5 11.4 17.2
183 11.8 9.4 14.0

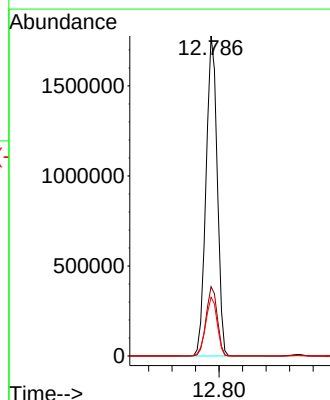
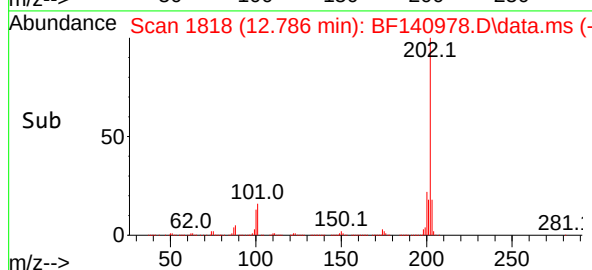
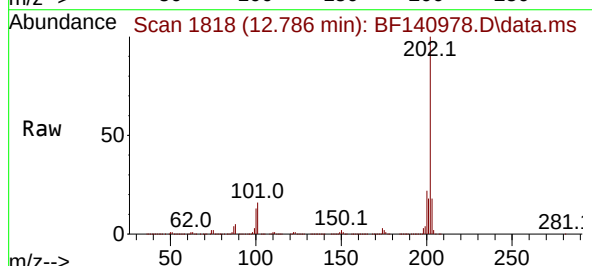
Manual Integrations
APPROVED

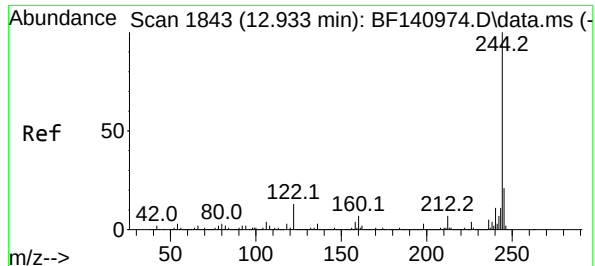
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#78
Pyrene
Concen: 43.575 ng
RT: 12.786 min Scan# 1818
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:202 Resp: 2340872
Ion Ratio Lower Upper
202 100
200 21.7 17.3 25.9
203 18.4 14.6 21.8





#79

Terphenyl-d14

Concen: 83.347 ng

RT: 12.933 min Scan# 1843

Delta R.T. 0.000 min

Lab File: BF140978.D

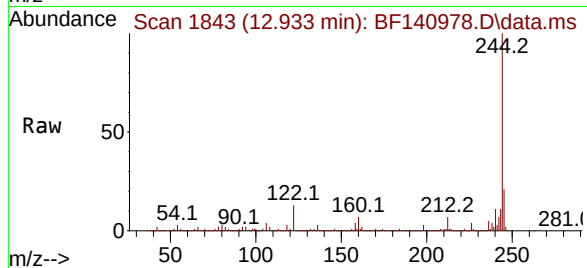
Acq: 26 Dec 2024 19:52

Instrument :

BNA_F

ClientSampleId :

ICVBF122624



Tgt Ion:244 Resp: 308224

Ion Ratio Lower Upper

244 100

212 7.1 5.7 8.5

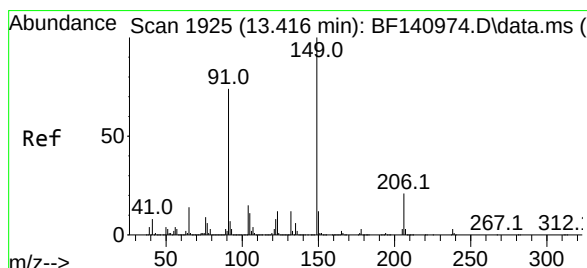
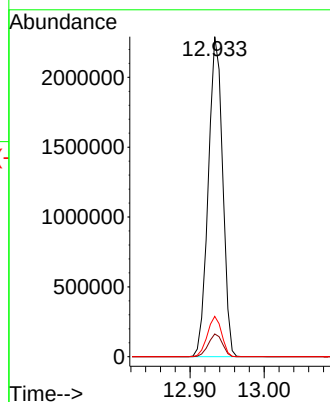
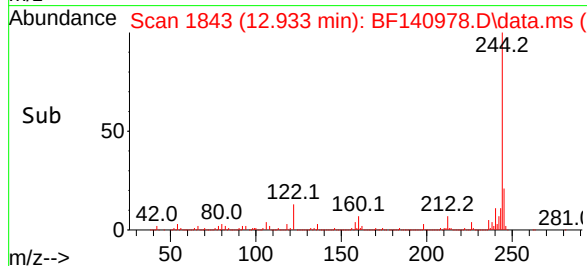
122 12.6 10.2 15.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#80

Butylbenzylphthalate

Concen: 43.715 ng

RT: 13.410 min Scan# 1924

Delta R.T. -0.006 min

Lab File: BF140978.D

Acq: 26 Dec 2024 19:52

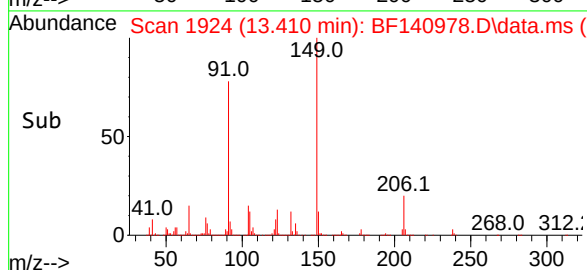
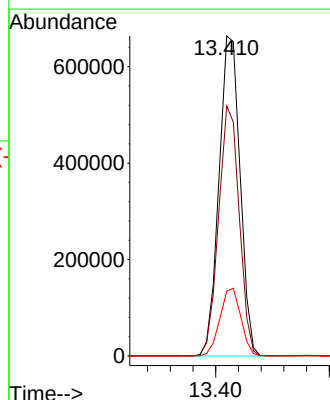
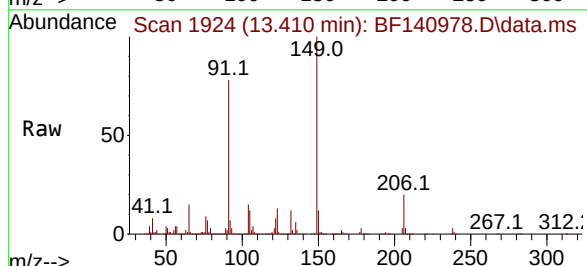
Tgt Ion:149 Resp: 857532

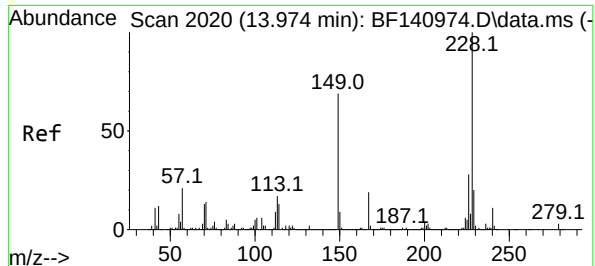
Ion Ratio Lower Upper

149 100

91 78.1 59.5 89.3

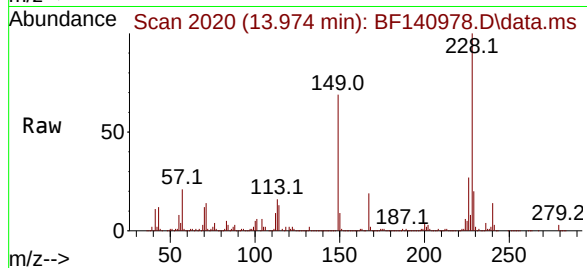
206 20.3 17.1 25.7





#81
Benzo(a)anthracene
Concen: 37.941 ng
RT: 13.974 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

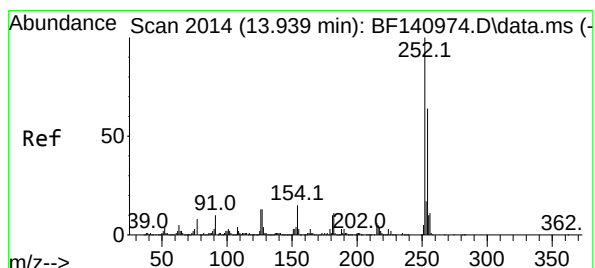
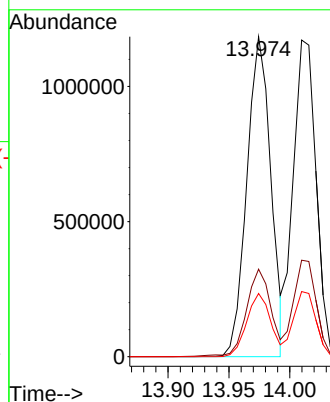
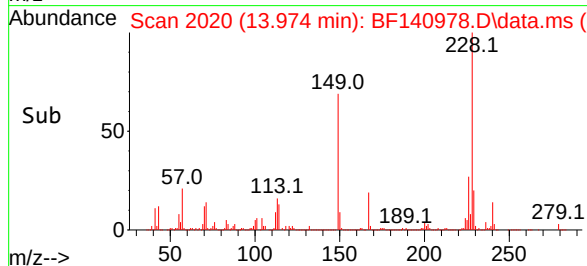
Instrument :
BNA_F
ClientSampleId :
ICVBF122624



Tgt Ion:228 Resp: 162424
Ion Ratio Lower Upper
228 100
226 27.4 22.1 33.1
229 19.7 16.2 24.2

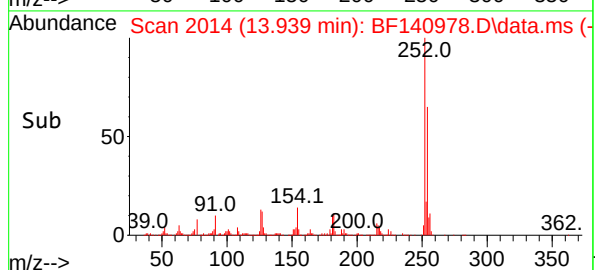
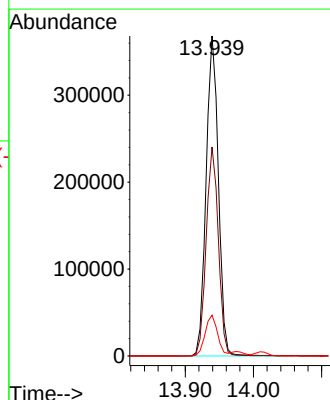
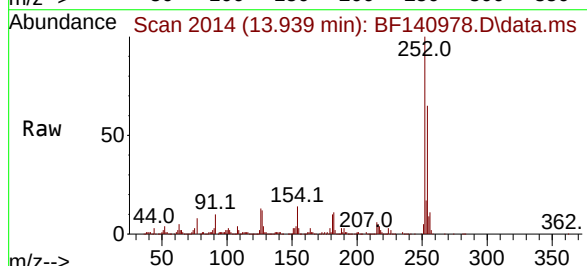
Manual Integrations
APPROVED

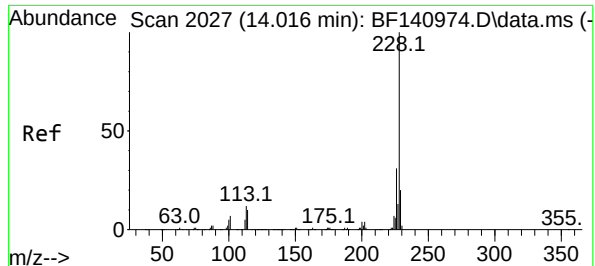
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#82
3,3'-Dichlorobenzidine
Concen: 35.805 ng
RT: 13.939 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:252 Resp: 460524
Ion Ratio Lower Upper
252 100
254 65.3 51.5 77.3
126 12.7 10.3 15.5





#83

Chrysene

Concen: 39.695 ng

RT: 14.010 min Scan# 2027

Delta R.T. -0.006 min

Lab File: BF140978.D

Acq: 26 Dec 2024 19:52

Instrument :

BNA_F

ClientSampleId :

ICVBF122624

Tgt Ion:228 Resp: 1531898

Ion Ratio Lower Upper

228 100

226 30.5 24.5 36.7

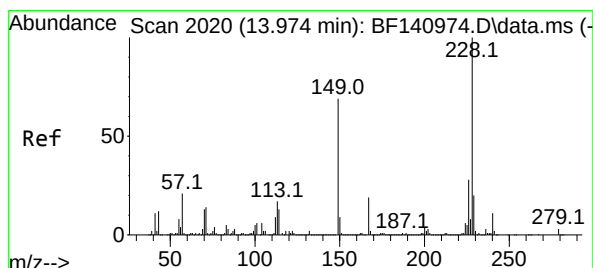
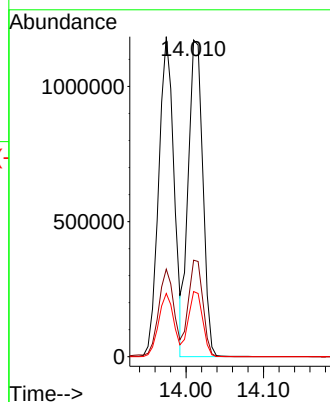
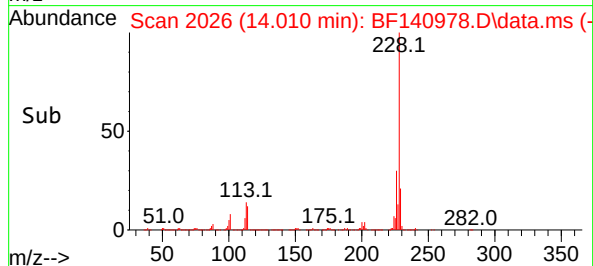
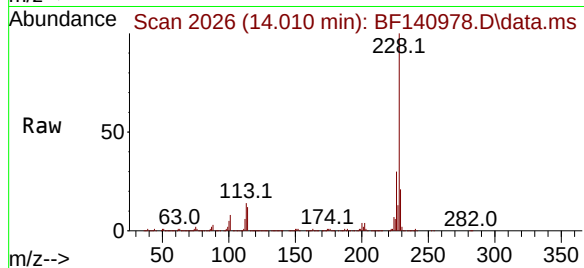
229 20.5 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 40.713 ng

RT: 13.974 min Scan# 2020

Delta R.T. 0.000 min

Lab File: BF140978.D

Acq: 26 Dec 2024 19:52

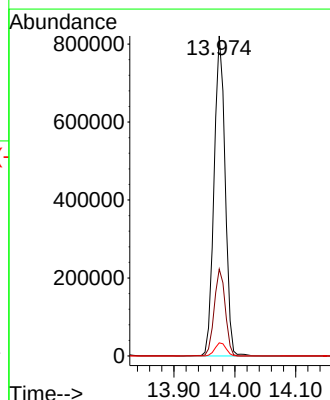
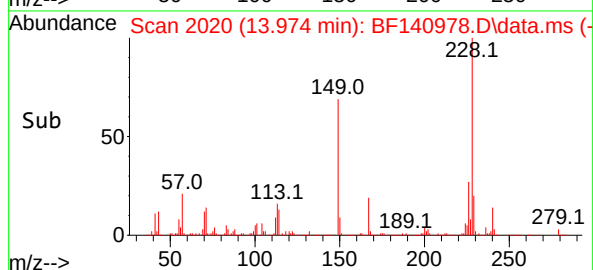
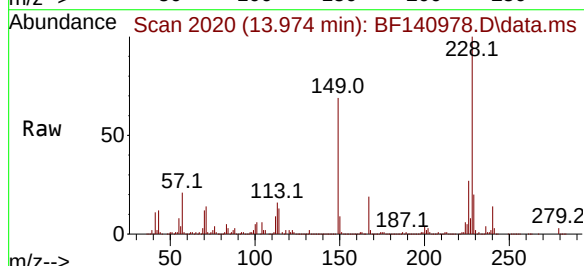
Tgt Ion:149 Resp: 1035953

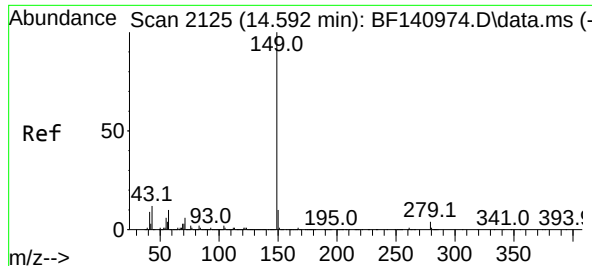
Ion Ratio Lower Upper

149 100

167 27.1 21.6 32.4

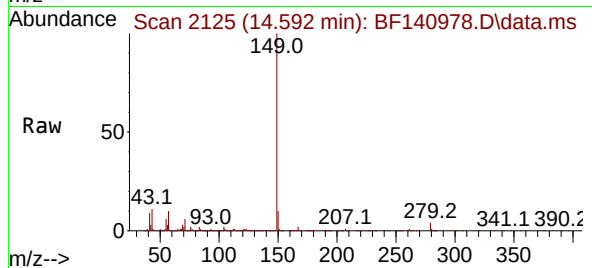
279 4.1 3.2 4.8





#85
Di-n-octyl phthalate
Concen: 39.285 ng
RT: 14.592 min Scan# 2125
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

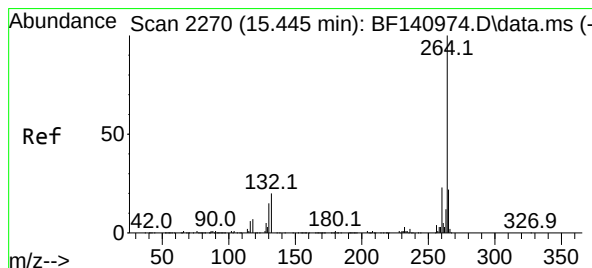
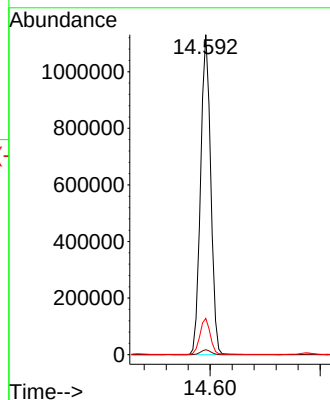
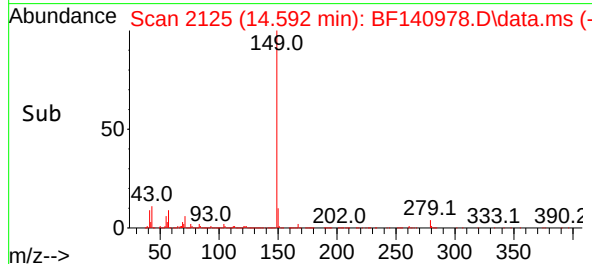
Instrument :
BNA_F
ClientSampleId :
ICVBF122624



Tgt Ion:149 Resp: 144678
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 11.4 9.3 13.9

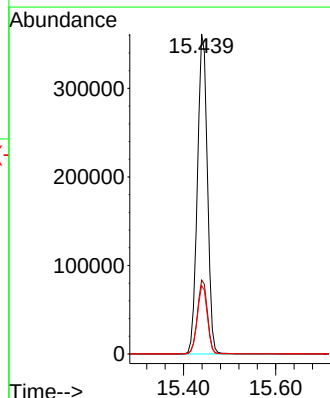
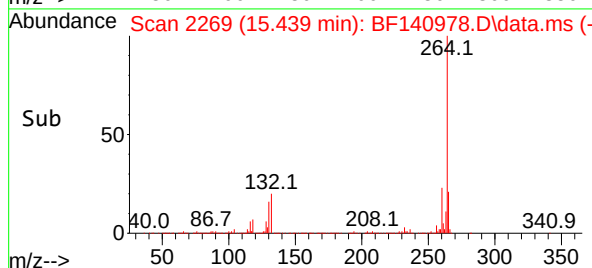
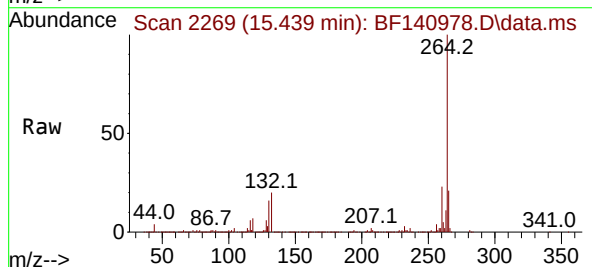
Manual Integrations
APPROVED

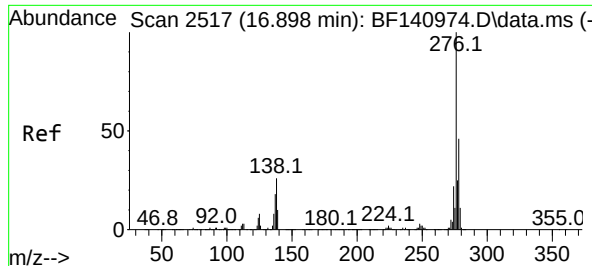
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

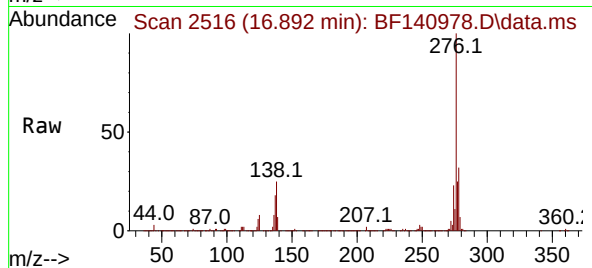
Tgt Ion:264 Resp: 543067
Ion Ratio Lower Upper
264 100
260 23.1 18.7 28.1
265 21.4 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 44.255 ng
RT: 16.892 min Scan# 216
Delta R.T. -0.006 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

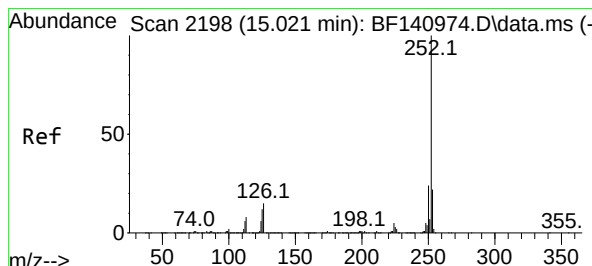
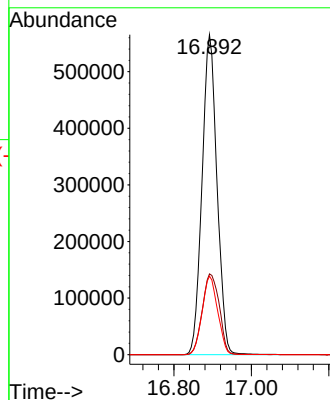
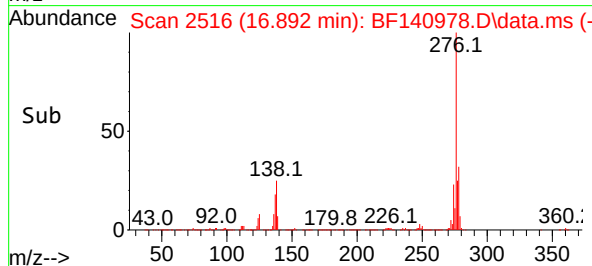
Instrument :
BNA_F
ClientSampleId :
ICVBF122624



Tgt Ion:276 Resp: 151416
Ion Ratio Lower Upper
276 100
138 28.7 23.1 34.7
277 25.5 20.4 30.6

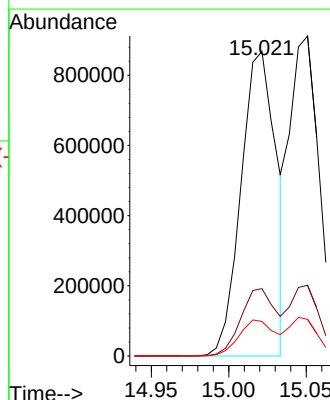
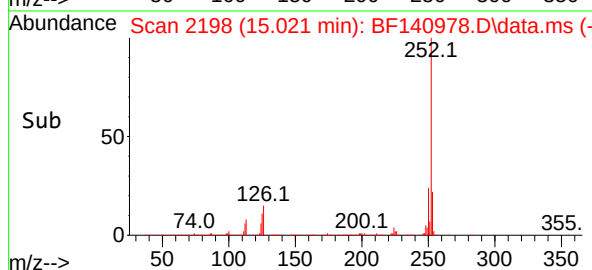
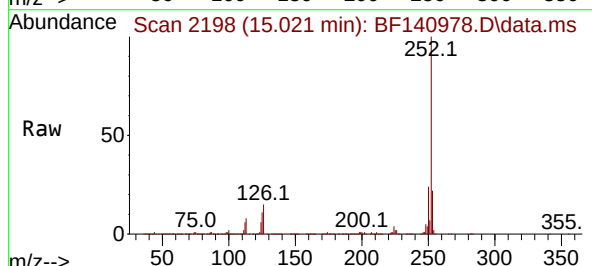
Manual Integrations
APPROVED

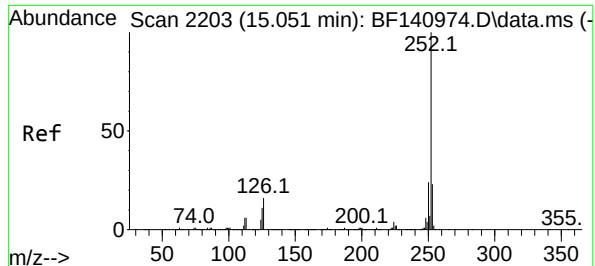
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#88
Benzo(b)fluoranthene
Concen: 36.115 ng
RT: 15.021 min Scan# 2198
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:252 Resp: 1367890
Ion Ratio Lower Upper
252 100
253 22.1 17.7 26.5
125 11.3 9.3 13.9





#89

Benzo(k)fluoranthene

Concen: 40.555 ng

RT: 15.051 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF140978.D

Acq: 26 Dec 2024 19:52

Instrument :

BNA_F

ClientSampleId :

ICVBF122624

Tgt Ion:252 Resp: 120391

Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.8

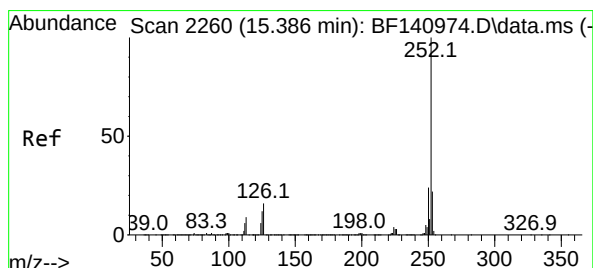
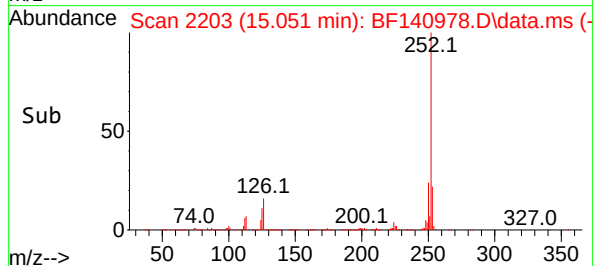
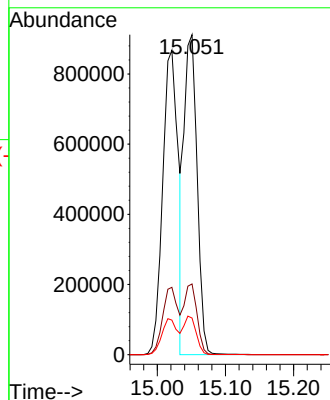
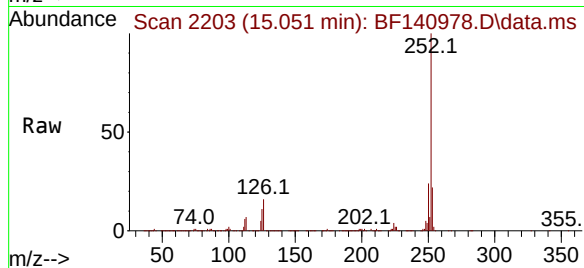
125 11.4 9.4 14.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#90

Benzo(a)pyrene

Concen: 38.510 ng

RT: 15.380 min Scan# 2259

Delta R.T. -0.006 min

Lab File: BF140978.D

Acq: 26 Dec 2024 19:52

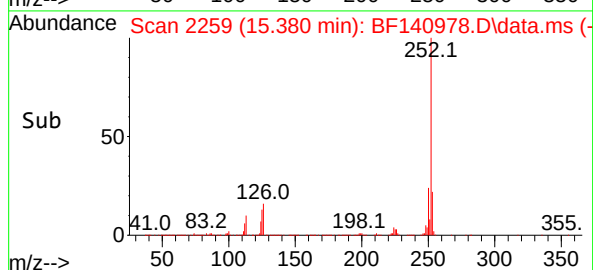
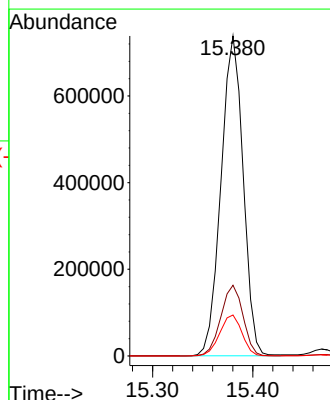
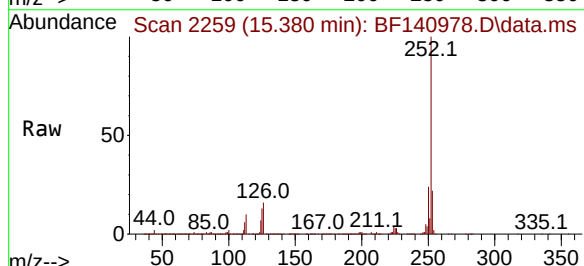
Tgt Ion:252 Resp: 1132116

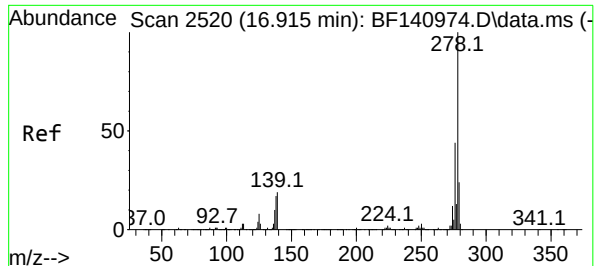
Ion Ratio Lower Upper

252 100

253 22.1 17.2 25.8

125 12.8 9.8 14.8





#91

Dibenzo(a,h)anthracene

Concen: 44.756 ng

RT: 16.915 min Scan# 2520

Delta R.T. 0.000 min

Lab File: BF140978.D

Acq: 26 Dec 2024 19:52

Instrument :

BNA_F

ClientSampleId :

ICVBF122624

Tgt Ion:278 Resp: 1241284

Ion Ratio Lower Upper

278 100

139 18.0 14.9 22.3

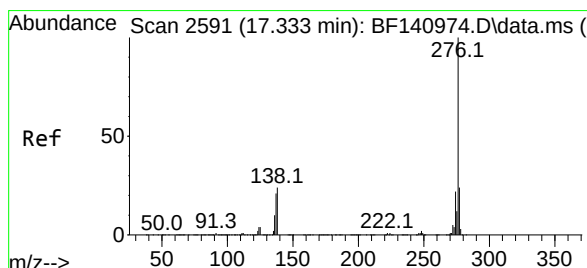
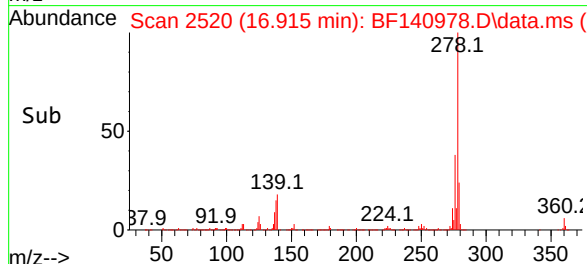
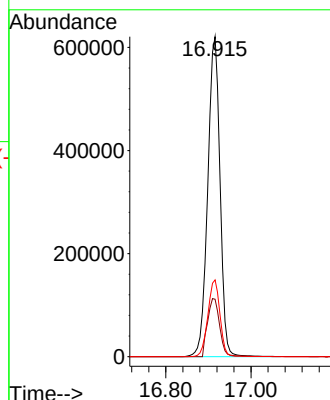
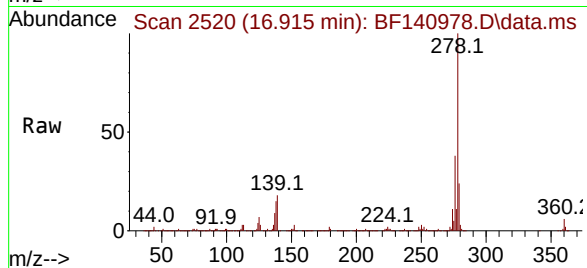
279 24.0 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/27/2024



#92

Benzo(g,h,i)perylene

Concen: 45.122 ng

RT: 17.333 min Scan# 2591

Delta R.T. 0.000 min

Lab File: BF140978.D

Acq: 26 Dec 2024 19:52

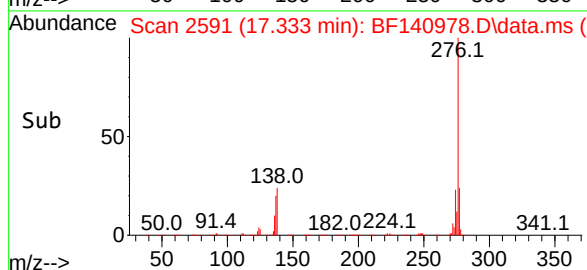
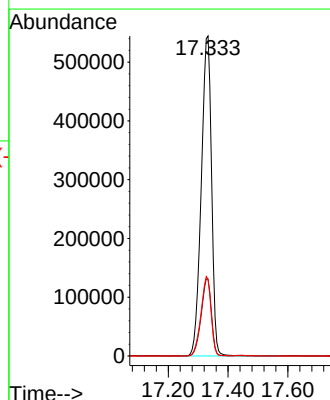
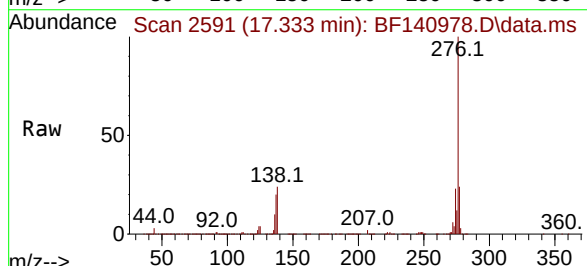
Tgt Ion:276 Resp: 1297980

Ion Ratio Lower Upper

276 100

277 24.0 19.0 28.4

138 24.0 19.4 29.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
 Data File : BF140978.D
 Acq On : 26 Dec 2024 19:52
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF122624

Quant Time: Dec 27 00:40:05 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 27 00:31:16 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	106	0.00
2	1,4-Dioxane	0.601	0.587	2.3	104	0.00
3	Pyridine	1.468	1.439	2.0	106	0.00
4	n-Nitrosodimethylamine	0.744	0.728	2.2	103	0.01
5 S	2-Fluorophenol	1.327	1.281	3.5	105	0.00
6	Aniline	1.524	1.533	-0.6	100	-0.02
7 S	Phenol-d6	1.709	1.658	3.0	105	0.00
8	2-Chlorophenol	1.399	1.588	-13.5	121	0.00
9	Benzaldehyde	0.941	0.873	7.2	107	0.00
10 C	Phenol	1.767	2.063	-16.8	125	0.00
11	bis(2-Chloroethyl)ether	1.427	1.404	1.6	109	0.00
12	1,3-Dichlorobenzene	1.544	1.500	2.8	105	0.00
13 C	1,4-Dichlorobenzene	1.556	1.580	-1.5	110	0.00
14	1,2-Dichlorobenzene	1.451	1.406	3.1	105	0.00
15	Benzyl Alcohol	1.228	1.221	0.6	105	0.00
16	2,2'-oxybis(1-Chloropropane	2.158	2.068	4.2	103	0.00
17	2-Methylphenol	1.162	1.151	0.9	106	0.00
18	Hexachloroethane	0.553	0.553	0.0	107	0.00
19 P	n-Nitroso-di-n-propylamine	1.047	1.069	-2.1	112	0.00
20	3+4-Methylphenols	1.471	1.446	1.7	105	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	105	0.00
22	Acetophenone	0.491	0.465	5.3	104	0.00
23 S	Nitrobenzene-d5	0.313	0.357	-14.1	115	0.00
24	Nitrobenzene	0.349	0.385	-10.3	110	0.00
25	Isophorone	0.680	0.655	3.7	105	0.00
26 C	2-Nitrophenol	0.118	0.152	-28.8#	126	0.00
27	2,4-Dimethylphenol	0.249	0.248	0.4	108	0.00
28	bis(2-Chloroethoxy)methane	0.431	0.413	4.2	104	0.00
29 C	2,4-Dichlorophenol	0.282	0.284	-0.7	107	0.00
30	1,2,4-Trichlorobenzene	0.319	0.329	-3.1	110	0.00
31	Naphthalene	1.054	1.014	3.8	104	0.00
32	Benzoic acid	0.178	0.216	-21.3	127	0.00
33	4-Chloroaniline	0.381	0.374	1.8	107	0.00
34 C	Hexachlorobutadiene	0.188	0.184	2.1	106	0.00
35	Caprolactam	0.096	0.096	0.0	107	0.00
36 C	4-Chloro-3-methylphenol	0.313	0.334	-6.7	113	0.00
37	2-Methylnaphthalene	0.674	0.646	4.2	105	0.00
38	1-Methylnaphthalene	0.663	0.629	5.1	104	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	106	0.00
40	1,2,4,5-Tetrachlorobenzene	0.550	0.530	3.6	105	0.00
41 P	Hexachlorocyclopentadiene	0.182	0.185	-1.6	105	0.00
42 S	2,4,6-Tribromophenol	0.194	0.201	-3.6	108	0.00
43 C	2,4,6-Trichlorophenol	0.366	0.368	-0.5	107	0.00
44	2,4,5-Trichlorophenol	0.375	0.381	-1.6	106	0.00
45 S	2-Fluorobiphenyl	1.255	1.174	6.5	106	0.00
46	1,1'-Biphenyl	1.531	1.452	5.2	104	0.00
47	2-Chloronaphthalene	1.188	1.141	4.0	106	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
 Data File : BF140978.D
 Acq On : 26 Dec 2024 19:52
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF122624

Quant Time: Dec 27 00:40:05 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 27 00:31:16 2024
 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	0.259	0.332	-28.2#	122	0.00
49	Acenaphthylene	1.710	1.636	4.3	104	0.00
50	Dimethylphthalate	1.316	1.264	4.0	104	0.00
51	2,6-Dinitrotoluene	0.231	0.281	-21.6	116	0.00
52 C	Acenaphthene	1.156	1.161	-0.4	110	0.00
53	3-Nitroaniline	0.255	0.307	-20.4	115	0.00
54 P	2,4-Dinitrophenol	0.075	0.094	-25.3#	138	0.00
55	Dibenzofuran	1.624	1.556	4.2	105	0.00
56 P	4-Nitrophenol	0.225	0.273	-21.3	126	0.00
57	2,4-Dinitrotoluene	0.273	0.362	-32.6#	124	0.00
58	Fluorene	1.260	1.186	5.9	105	0.00
59	2,3,4,6-Tetrachlorophenol	0.310	0.323	-4.2	109	0.00
60	Diethylphthalate	1.299	1.254	3.5	105	0.00
61	4-Chlorophenyl-phenylether	0.606	0.575	5.1	105	0.00
62	4-Nitroaniline	0.255	0.299	-17.3	114	0.00
63	Azobenzene	1.363	1.311	3.8	105	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	105	0.00
65	4,6-Dinitro-2-methylphenol	0.067	0.084	-25.4#	132	0.00
66 c	n-Nitrosodiphenylamine	0.630	0.611	3.0	106	0.00
67	4-Bromophenyl-phenylether	0.216	0.212	1.9	104	0.00
68	Hexachlorobenzene	0.238	0.232	2.5	105	0.00
69	Atrazine	0.176	0.158	10.2	106	0.00
70 C	Pentachlorophenol	0.148	0.170	-14.9	115	0.00
71	Phenanthrene	1.053	1.010	4.1	105	0.00
72	Anthracene	1.031	0.988	4.2	104	0.00
73	Carbazole	0.992	0.944	4.8	104	0.00
74	Di-n-butylphthalate	1.128	1.090	3.4	105	0.00
75 C	Fluoranthene	1.142	1.077	5.7	103	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	94	0.00
77	Benzydine	0.423	0.424	-0.2	96	0.00
78	Pyrene	1.749	1.905	-8.9	106	0.00
79 S	Terphenyl-d14	1.204	1.254	-4.2	104	0.00
80	Butylbenzylphthalate	0.639	0.698	-9.2	100	0.00
81	Benzo(a)anthracene	1.394	1.322	5.2	91	0.00
82	3,3'-Dichlorobenzidine	0.419	0.375	10.5	88	0.00
83	Chrysene	1.257	1.247	0.8	97	0.00
84	Bis(2-ethylhexyl)phthalate	0.828	0.843	-1.8	97	0.00
85 c	Di-n-octyl phthalate	1.199	1.178	1.8	93	0.00
86 I	Perylene-d12	1.000	1.000	0.0	102	0.00
87	Indeno(1,2,3-cd)pyrene	1.260	1.394	-10.6	109	0.00
88	Benzo(b)fluoranthene	1.395	1.259	9.7	91	0.00
89	Benzo(k)fluoranthene	1.093	1.108	-1.4	106	0.00
90 C	Benzo(a)pyrene	1.083	1.042	3.8	100	0.00
91	Dibenzo(a,h)anthracene	1.021	1.143	-11.9	109	0.00
92	Benzo(g,h,i)perylene	1.059	1.195	-12.8	108	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140978.D
Acq On : 26 Dec 2024 19:52
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Quant Time: Dec 27 00:40:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev Area	% Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 1

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
 Data File : BF140978.D
 Acq On : 26 Dec 2024 19:52
 Operator : RC/JU
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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	106	0.00
2	1,4-Dioxane	40.000	39.078	2.3	104	0.00
3	Pyridine	40.000	39.221	1.9	106	0.00
4	n-Nitrosodimethylamine	40.000	39.126	2.2	103	0.01
5 S	2-Fluorophenol	80.000	77.230	3.5	105	0.00
6	Aniline	40.000	40.214	-0.5	100	-0.02
7 S	Phenol-d6	80.000	77.619	3.0	105	0.00
8	2-Chlorophenol	40.000	45.402	-13.5	121	0.00
9	Benzaldehyde	40.000	42.275	-5.7	107	0.00
10 C	Phenol	40.000	46.698	-16.7	125	0.00
11	bis(2-Chloroethyl)ether	40.000	39.366	1.6	109	0.00
12	1,3-Dichlorobenzene	40.000	38.861	2.8	105	0.00
13 C	1,4-Dichlorobenzene	40.000	40.612	-1.5	110	0.00
14	1,2-Dichlorobenzene	40.000	38.772	3.1	105	0.00
15	Benzyl Alcohol	40.000	39.751	0.6	105	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	38.326	4.2	103	0.00
17	2-Methylphenol	40.000	39.617	1.0	106	0.00
18	Hexachloroethane	40.000	40.027	-0.1	107	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	40.828	-2.1	112	0.00
20	3+4-Methylphenols	40.000	39.323	1.7	105	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	105	0.00
22	Acetophenone	40.000	37.920	5.2	104	0.00
23 S	Nitrobenzene-d5	80.000	91.412	-14.3	115	0.00
24	Nitrobenzene	40.000	44.060	-10.2	110	0.00
25	Isophorone	40.000	38.534	3.7	105	0.00
26 C	2-Nitrophenol	40.000	43.185	-8.0	126	0.00
27	2,4-Dimethylphenol	40.000	39.926	0.2	108	0.00
28	bis(2-Chloroethoxy)methane	40.000	38.323	4.2	104	0.00
29 C	2,4-Dichlorophenol	40.000	40.280	-0.7	107	0.00
30	1,2,4-Trichlorobenzene	40.000	41.204	-3.0	110	0.00
31	Naphthalene	40.000	38.493	3.8	104	0.00
32	Benzoic acid	40.000	43.158	-7.9	127	0.00
33	4-Chloroaniline	40.000	39.203	2.0	107	0.00
34 C	Hexachlorobutadiene	40.000	39.095	2.3	106	0.00
35	Caprolactam	40.000	40.139	-0.3	107	0.00
36 C	4-Chloro-3-methylphenol	40.000	42.714	-6.8	113	0.00
37	2-Methylnaphthalene	40.000	38.340	4.1	105	0.00
38	1-Methylnaphthalene	40.000	37.974	5.1	104	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	106	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	38.527	3.7	105	0.00
41 P	Hexachlorocyclopentadiene	40.000	40.560	-1.4	105	0.00
42 S	2,4,6-Tribromophenol	80.000	82.713	-3.4	108	0.00
43 C	2,4,6-Trichlorophenol	40.000	40.180	-0.4	107	0.00
44	2,4,5-Trichlorophenol	40.000	40.663	-1.7	106	0.00
45 S	2-Fluorobiphenyl	80.000	74.821	6.5	106	0.00
46	1,1'-Biphenyl	40.000	37.916	5.2	104	0.00
47	2-Chloronaphthalene	40.000	38.442	3.9	106	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
 Data File : BF140978.D
 Acq On : 26 Dec 2024 19:52
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF122624

Quant Time: Dec 27 00:40:05 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 27 00:31:16 2024
 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	43.198	-8.0	122	0.00
49	Acenaphthylene	40.000	38.272	4.3	104	0.00
50	Dimethylphthalate	40.000	38.422	3.9	104	0.00
51	2,6-Dinitrotoluene	40.000	42.386	-6.0	116	0.00
52 C	Acenaphthene	40.000	40.168	-0.4	110	0.00
53	3-Nitroaniline	40.000	42.522	-6.3	115	0.00
54 P	2,4-Dinitrophenol	40.000	45.538	-13.8	138	0.00
55	Dibenzofuran	40.000	38.318	4.2	105	0.00
56 P	4-Nitrophenol	40.000	48.593	-21.5	126	0.00
57	2,4-Dinitrotoluene	40.000	44.506	-11.3	124	0.00
58	Fluorene	40.000	37.668	5.8	105	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	41.681	-4.2	109	0.00
60	Diethylphthalate	40.000	38.629	3.4	105	0.00
61	4-Chlorophenyl-phenylether	40.000	37.928	5.2	105	0.00
62	4-Nitroaniline	40.000	41.571	-3.9	114	0.00
63	Azobenzene	40.000	38.471	3.8	105	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	105	0.00
65	4,6-Dinitro-2-methylphenol	40.000	43.296	-8.2	132	0.00
66 c	n-Nitrosodiphenylamine	40.000	38.777	3.1	106	0.00
67	4-Bromophenyl-phenylether	40.000	39.247	1.9	104	0.00
68	Hexachlorobenzene	40.000	38.890	2.8	105	0.00
69	Atrazine	40.000	35.858	10.4	106	0.00
70 C	Pentachlorophenol	40.000	45.869	-14.7	115	0.00
71	Phenanthrene	40.000	38.373	4.1	105	0.00
72	Anthracene	40.000	38.325	4.2	104	0.00
73	Carbazole	40.000	38.096	4.8	104	0.00
74	Di-n-butylphthalate	40.000	38.673	3.3	105	0.00
75 C	Fluoranthene	40.000	37.724	5.7	103	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	94	0.00
77	Benzydine	40.000	40.101	-0.3	96	0.00
78	Pyrene	40.000	43.575	-8.9	106	0.00
79 S	Terphenyl-d14	80.000	83.347	-4.2	104	0.00
80	Butylbenzylphthalate	40.000	43.715	-9.3	100	0.00
81	Benzo(a)anthracene	40.000	37.941	5.1	91	0.00
82	3,3'-Dichlorobenzidine	40.000	35.805	10.5	88	0.00
83	Chrysene	40.000	39.695	0.8	97	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	40.713	-1.8	97	0.00
85 c	Di-n-octyl phthalate	40.000	39.285	1.8	93	0.00
86 I	Perylene-d12	20.000	20.000	0.0	102	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	44.255	-10.6	109	0.00
88	Benzo(b)fluoranthene	40.000	36.115	9.7	91	0.00
89	Benzo(k)fluoranthene	40.000	40.555	-1.4	106	0.00
90 C	Benzo(a)pyrene	40.000	38.510	3.7	100	0.00
91	Dibenzo(a,h)anthracene	40.000	44.756	-11.9	109	0.00
92	Benzo(g,h,i)perylene	40.000	45.122	-12.8	108	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140978.D
Acq On : 26 Dec 2024 19:52
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Quant Time: Dec 27 00:40:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
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: PORT06

Lab Code: CHEM Case No.: P5299 SAS No.: P5299 SDG No.: P5299

Instrument ID: BNA_F Calibration Date/Time: 12/20/2024 11:15

Lab File ID: BF140942.D Init. Calib. Date(s): 12/16/2024 12/16/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:13 16:15

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.215	1.104		-9.1	
Benzaldehyde	0.892	0.796		-10.8	
Phenol-d6	1.609	1.494		-7.1	
Phenol	1.668	1.561		-6.4	20.0
bis(2-Chloroethyl)ether	1.244	1.156		-7.1	
2-Chlorophenol	1.325	1.292		-2.5	
2-Methylphenol	1.058	1.007		-4.8	
2,2-oxybis(1-Chloropropane)	1.465	1.317		-10.1	
Acetophenone	0.500	0.486		-2.8	
3+4-Methylphenols	1.403	1.351		-3.7	
n-Nitroso-di-n-propylamine	0.965	0.859	0.050	-11.0	
Nitrobenzene-d5	0.400	0.385		-3.8	
Hexachloroethane	0.570	0.521		-8.6	
Nitrobenzene	0.410	0.382		-6.8	
Isophorone	0.670	0.637		-4.9	
2-Nitrophenol	0.189	0.198		4.8	20.0
2,4-Dimethylphenol	0.220	0.222		0.9	
bis(2-Chloroethoxy)methane	0.418	0.406		-2.9	
2,4-Dichlorophenol	0.304	0.299		-1.6	20.0
Naphthalene	1.099	1.079		-1.8	
4-Chloroaniline	0.365	0.358		-1.9	
Hexachlorobutadiene	0.235	0.225		-4.3	20.0
Caprolactam	0.091	0.084		-7.7	
4-Chloro-3-methylphenol	0.342	0.320		-6.4	20.0
2-Methylnaphthalene	0.727	0.696		-4.3	
Hexachlorocyclopentadiene	0.153	0.117	0.050	-23.5	
2,4,6-Trichlorophenol	0.376	0.341		-9.3	20.0
2-Fluorobiphenyl	1.455	1.340		-7.9	
2,4,5-Trichlorophenol	0.414	0.369		-10.9	
1,1-Biphenyl	1.590	1.490		-6.3	
2-Chloronaphthalene	1.217	1.152		-5.3	
2-Nitroaniline	0.367	0.325		-11.4	
Dimethylphthalate	1.410	1.310		-7.1	
Acenaphthylene	1.788	1.741		-2.6	
2,6-Dinitrotoluene	0.322	0.318		-1.2	
3-Nitroaniline	0.320	0.316		-1.3	
Acenaphthene	1.142	1.107		-3.1	20.0
2,4-Dinitrophenol	0.132	0.127	0.050	-3.8	
4-Nitrophenol	0.150	0.143	0.050	-4.7	



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P5299 SAS No.: P5299 SDG No.: P5299

Instrument ID: BNA_F Calibration Date/Time: 12/20/2024 11:15

Lab File ID: BF140942.D Init. Calib. Date(s): 12/16/2024 12/16/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:13 16:15

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.770	1.682		-5.0	
2,4-Dinitrotoluene	0.424	0.408		-3.8	
Diethylphthalate	1.462	1.314		-10.1	
4-Chlorophenyl-phenylether	0.733	0.682		-7.0	
Fluorene	1.460	1.356		-7.1	
4-Nitroaniline	0.334	0.310		-7.2	
4,6-Dinitro-2-methylphenol	0.113	0.114		0.9	
n-Nitrosodiphenylamine	0.615	0.657		6.8	20.0
2,4,6-Tribromophenol	0.237	0.214		-9.7	
4-Bromophenyl-phenylether	0.224	0.230		2.7	
Hexachlorobenzene	0.254	0.264		3.9	
Atrazine	0.172	0.144		-16.3	
Pentachlorophenol	0.093	0.077		-17.2	20.0
Phenanthrene	1.028	0.981		-4.6	
Anthracene	1.013	0.983		-3.0	
Carbazole	0.992	0.954		-3.8	
Di-n-butylphthalate	1.164	1.178		1.2	
Fluoranthene	1.184	1.083		-8.5	20.0
Pyrene	1.779	1.904		7.0	
Terphenyl-d14	1.268	1.393		9.9	
Butylbenzylphthalate	0.654	0.631		-3.5	
3,3-Dichlorobenzidine	0.428	0.390		-8.9	
Benzo (a) anthracene	1.417	1.356		-4.3	
Chrysene	1.289	1.279		-0.8	
Bis(2-ethylhexyl)phthalate	0.844	0.789		-6.5	
Di-n-octyl phthalate	1.277	1.023		-19.9	20.0
Benzo (b) fluoranthene	1.388	1.319		-5.0	
Benzo (k) fluoranthene	1.191	1.123		-5.7	
Benzo (a) pyrene	1.087	1.066		-1.9	20.0
Indeno (1,2,3-cd) pyrene	1.248	1.605		28.6	
Dibenzo (a,h) anthracene	1.034	1.335		29.1	
Benzo (g,h,i) perylene	1.052	1.276		21.3	
1,2,4,5-Tetrachlorobenzene	0.615	0.574		-6.7	
1,4-Dioxane	0.523	0.501		-4.2	20.0
2,3,4,6-Tetrachlorophenol	0.337	0.314		-6.8	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
 Data File : BF140942.D
 Acq On : 20 Dec 2024 11:15
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
 Supervised By :mohammad ahmed 12/24/2024

Quant Time: Dec 20 11:51:18 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Dec 16 16:59:50 2024

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	74814	20.000	ng	0.00
21) Naphthalene-d8	8.134	136	271589	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	162319	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	282660	20.000	ng	0.00
76) Chrysene-d12	14.033	240	164316	20.000	ng	0.00
86) Perylene-d12	15.533	264	129329	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	330518	72.726	ng	0.00
7) Phenol-d6	6.504	99	446954	74.251	ng	0.00
23) Nitrobenzene-d5	7.422	82	418009	77.004	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	139243	72.531	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	869766	73.670	ng	0.00
79) Terphenyl-d14	12.963	244	915592	87.865	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.616	88	75034	38.331	ng	95
3) Pyridine	3.399	79	176528	38.939	ng	96
4) n-Nitrosodimethylamine	3.357	42	81320	35.583	ng	89
6) Aniline	6.522	93	192218	37.347	ng	98
8) 2-Chlorophenol	6.645	128	193264	38.996	ng	98
9) Benzaldehyde	6.410	77	119045	35.692	ng	97
10) Phenol	6.522	94	233567	37.438	ng	99
11) bis(2-Chloroethyl)ether	6.587	93	173020	37.188	ng	99
12) 1,3-Dichlorobenzene	6.792	146	220709	39.082	ng	97
13) 1,4-Dichlorobenzene	6.869	146	219984	38.376	ng	99
14) 1,2-Dichlorobenzene	7.022	146	208631	38.575	ng	98
15) Benzyl Alcohol	7.004	79	161378	37.495	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.122	45	197110	35.963	ng	85
17) 2-Methylphenol	7.122	107	150732	38.095	ng	99
18) Hexachloroethane	7.357	117	77896	36.502	ng	97
19) n-Nitroso-di-n-propyla...	7.269	70	128495	35.587	ng	97
20) 3+4-Methylphenols	7.275	107	202109	38.521	ng	# 85
22) Acetophenone	7.263	105	263844	38.835	ng	95
24) Nitrobenzene	7.439	77	207460	37.305	ng	95
25) Isophorone	7.675	82	346209	38.063	ng	99
26) 2-Nitrophenol	7.751	139	107352	41.913	ng	94
27) 2,4-Dimethylphenol	7.792	122	120407	40.254	ng	97
28) bis(2-Chloroethoxy)met...	7.881	93	220781	38.864	ng	98
29) 2,4-Dichlorophenol	8.004	162	162546	39.361	ng	98
30) 1,2,4-Trichlorobenzene	8.075	180	187702	39.649	ng	98
31) Naphthalene	8.151	128	585851	39.270	ng	100
32) Benzoic acid	7.951	122	98174	34.606	ng	96
33) 4-Chloroaniline	8.210	127	194369	39.228	ng	97
34) Hexachlorobutadiene	8.263	225	121955	38.289	ng	100
35) Caprolactam	8.598	113	45564	37.061	ng	92
36) 4-Chloro-3-methylphenol	8.704	107	173656	37.361	ng	100
37) 2-Methylnaphthalene	8.845	142	377796	38.282	ng	99
38) 1-Methylnaphthalene	8.945	142	368550	37.761	ng	98
40) 1,2,4,5-Tetrachloroben...	9.010	216	186337	37.349	ng	99
41) Hexachlorocyclopentadiene	8.992	237	38088	34.773	ng	98
43) 2,4,6-Trichlorophenol	9.134	196	110669	36.226	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
 Data File : BF140942.D
 Acq On : 20 Dec 2024 11:15
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
 Supervised By :mohammad ahmed 12/24/2024

Quant Time: Dec 20 11:51:18 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Dec 16 16:59:50 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	119664	35.638	ng	98
46) 1,1'-Biphenyl	9.310	154	483766	37.480	ng	99
47) 2-Chloronaphthalene	9.334	162	374124	37.889	ng	100
48) 2-Nitroaniline	9.439	65	105588	35.406	ng	92
49) Acenaphthylene	9.751	152	565101	38.943	ng	100
50) Dimethylphthalate	9.604	163	425243	37.159	ng	99
51) 2,6-Dinitrotoluene	9.681	165	103210	39.451	ng	92
52) Acenaphthene	9.922	154	359395	38.772	ng	100
53) 3-Nitroaniline	9.857	138	102644	39.535	ng	93
54) 2,4-Dinitrophenol	9.981	184	41330	36.272	ng	92
55) Dibenzofuran	10.092	168	545976	38.012	ng	99
56) 4-Nitrophenol	10.051	139	46328	35.773	ng	93
57) 2,4-Dinitrotoluene	10.092	165	132579	38.516	ng	94
58) Fluorene	10.439	166	440079	37.139	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.222	232	101821	37.214	ng	91
60) Diethylphthalate	10.304	149	426443	35.936	ng	99
61) 4-Chlorophenyl-phenyle...	10.422	204	221428	37.200	ng	98
62) 4-Nitroaniline	10.475	138	100590m	37.076	ng	
63) Azobenzene	10.586	77	384375	34.454	ng	95
65) 4,6-Dinitro-2-methylph...	10.510	198	64499	40.269	ng	95
66) n-Nitrosodiphenylamine	10.545	169	371501	42.748	ng	99
67) 4-Bromophenyl-phenylether	10.916	248	129825	41.055	ng	96
68) Hexachlorobenzene	10.992	284	149493	41.697	ng	96
69) Atrazine	11.075	200	81196	33.453	ng	97
70) Pentachlorophenol	11.198	266	43633	33.287	ng	97
71) Phenanthrene	11.404	178	554743	38.164	ng	99
72) Anthracene	11.457	178	555785	38.826	ng	99
73) Carbazole	11.616	167	539092	38.449	ng	100
74) Di-n-butylphthalate	11.927	149	665945	40.470	ng	99
75) Fluoranthene	12.598	202	612458	36.586	ng	99
77) Benzidine	12.722	184	115361	34.399	ng	99
78) Pyrene	12.827	202	625636	42.817	ng	99
80) Butylbenzylphthalate	13.433	149	207238	38.545	ng	96
81) Benzo(a)anthracene	14.021	228	445495	38.254	ng	99
82) 3,3'-Dichlorobenzidine	13.980	252	128185	36.483	ng	97
83) Chrysene	14.063	228	420365	39.695	ng	99
84) Bis(2-ethylhexyl)phtha...	13.986	149	259339	37.409	ng	100
85) Di-n-octyl phthalate	14.616	149	336272	32.062	ng	98
87) Indeno(1,2,3-cd)pyrene	17.051	276	415125	51.437	ng	99
88) Benzo(b)fluoranthene	15.098	252	341178	38.004	ng	99
89) Benzo(k)fluoranthene	15.121	252	290595	37.736	ng	99
90) Benzo(a)pyrene	15.468	252	275845	39.241	ng	99
91) Dibenzo(a,h)anthracene	17.051	278	345181	51.627	ng	98
92) Benzo(g,h,i)perylene	17.509	276	330062	48.503	ng	99

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

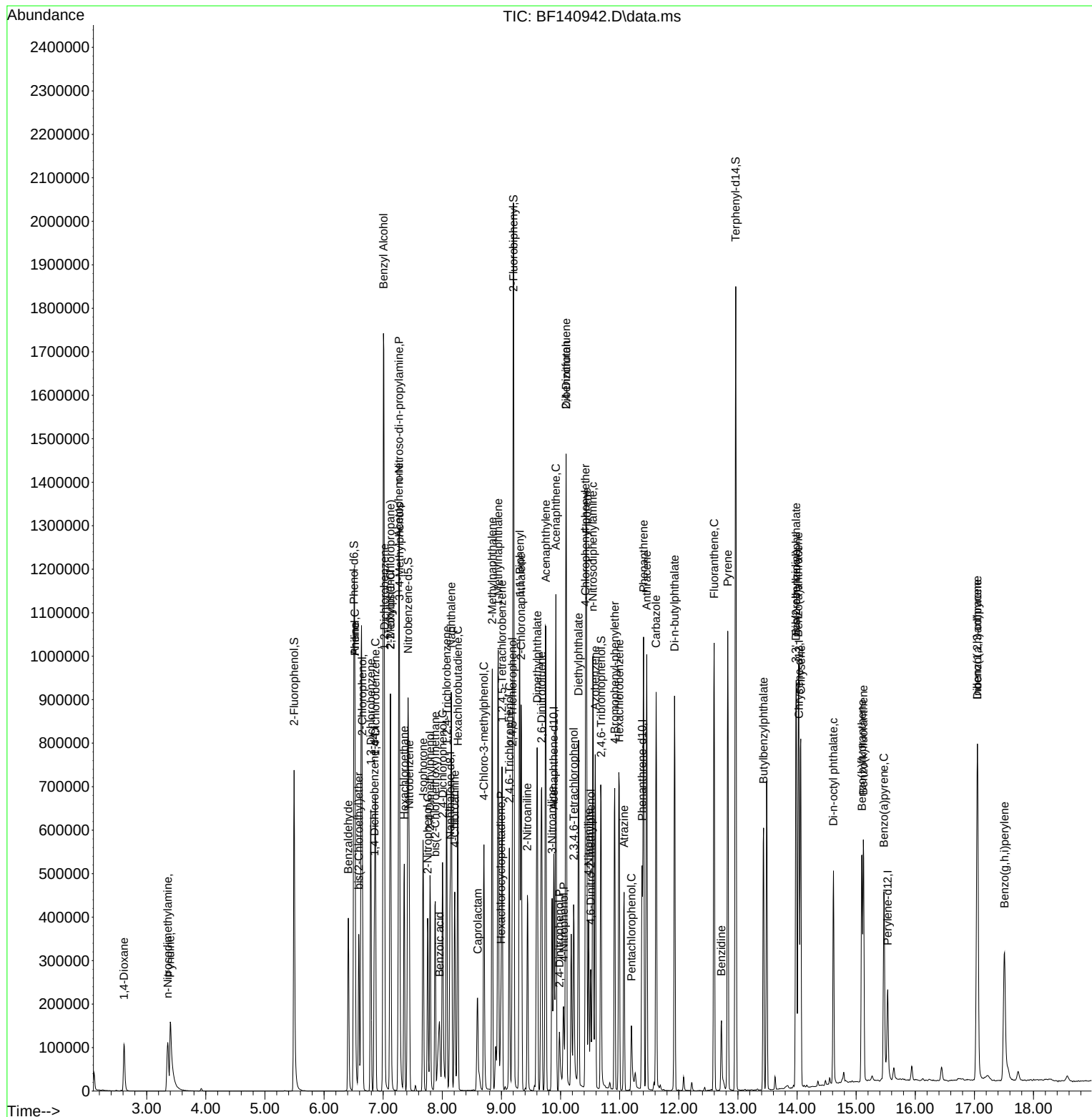
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Data File : BF140942.D  
Acq On    : 20 Dec 2024  11:15  
Operator  : RC/JU  
Sample    : SSTDCCC040  
Misc      :  
ALS Vial  : 2    Sample Multiplier: 1
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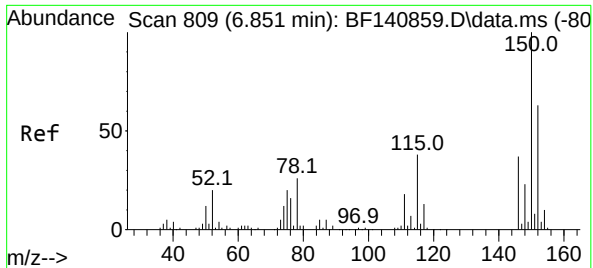
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

Quant Time: Dec 20 11:51:18 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration





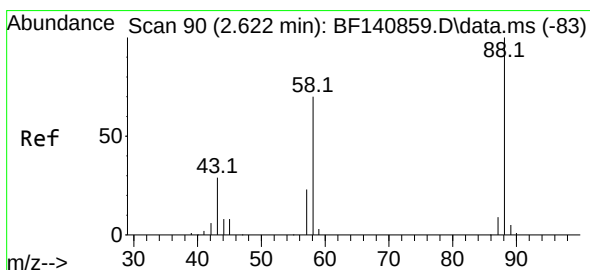
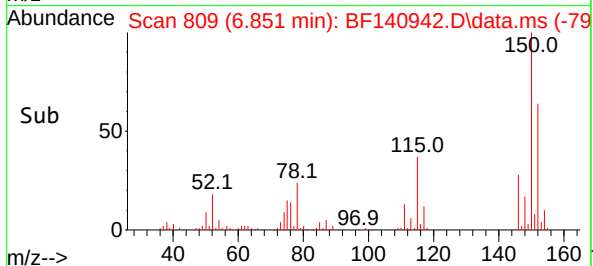
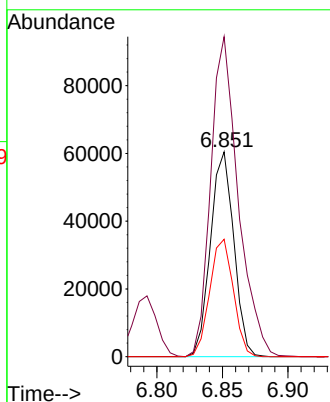
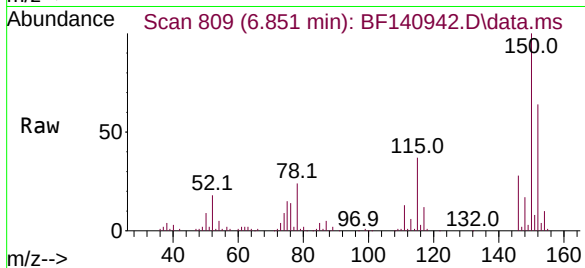
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 74814
Ion Ratio Lower Upper
152 100
150 156.2 127.9 191.9
115 57.3 48.0 72.0

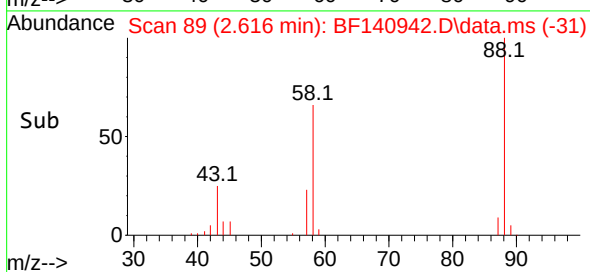
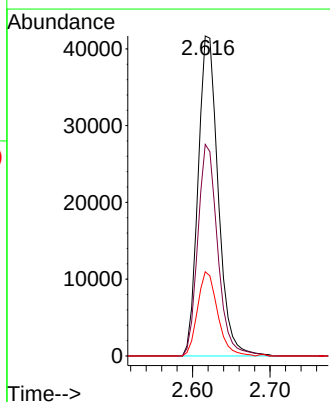
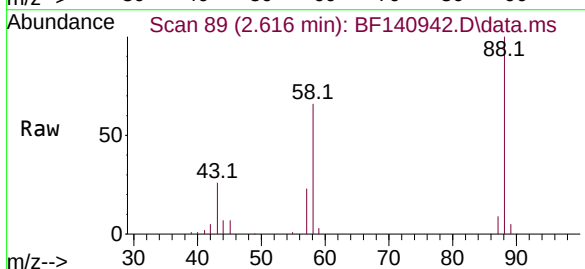
Manual Integrations
APPROVED

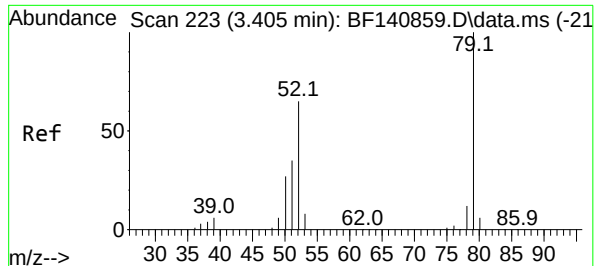
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#2
1,4-Dioxane
Concen: 38.331 ng
RT: 2.616 min Scan# 89
Delta R.T. -0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion: 88 Resp: 75034
Ion Ratio Lower Upper
88 100
58 65.4 55.8 83.8
43 26.3 22.7 34.1





#3

Pyridine

Concen: 38.939 ng

RT: 3.399 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF140942.D

Acq: 20 Dec 2024 11:15

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 79 Resp: 176528

Ion Ratio Lower Upper

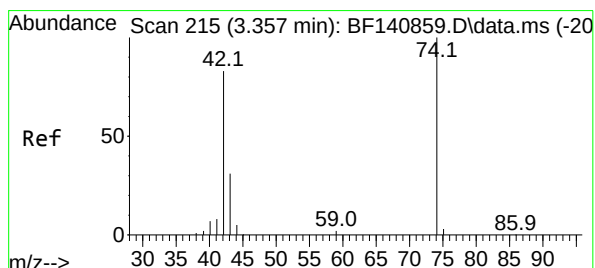
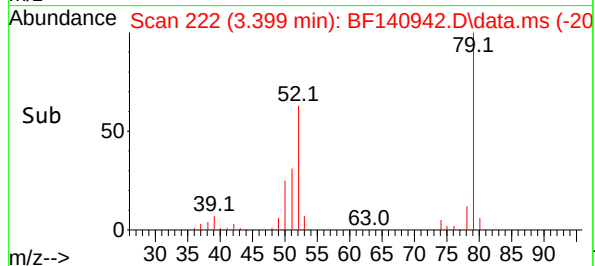
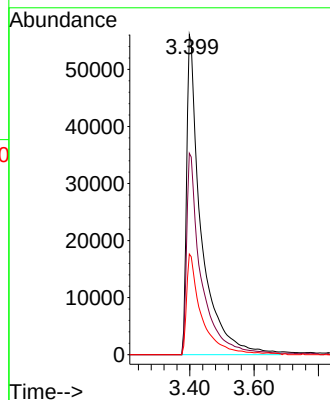
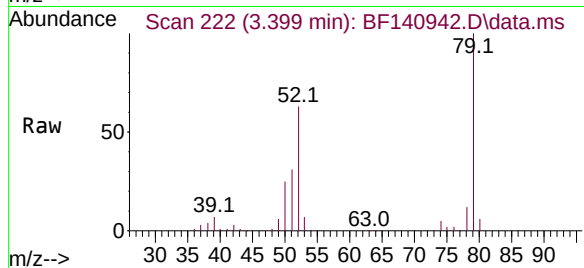
79 100

52 62.9 51.7 77.5

51 31.4 28.2 42.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

#4

n-Nitrosodimethylamine

Concen: 35.583 ng

RT: 3.357 min Scan# 215

Delta R.T. -0.000 min

Lab File: BF140942.D

Acq: 20 Dec 2024 11:15

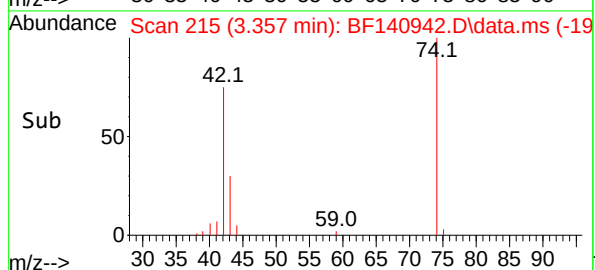
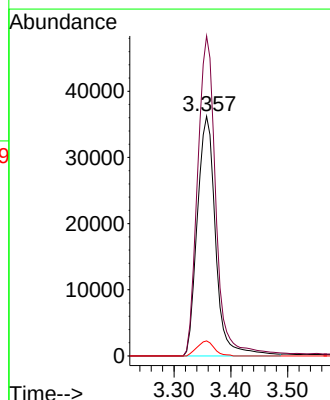
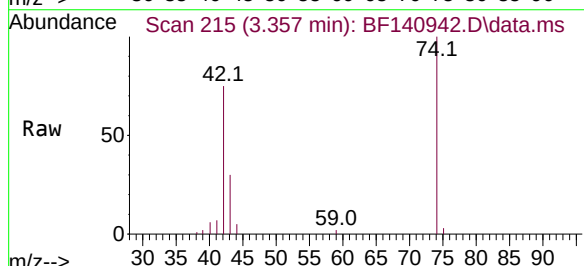
Tgt Ion: 42 Resp: 81320

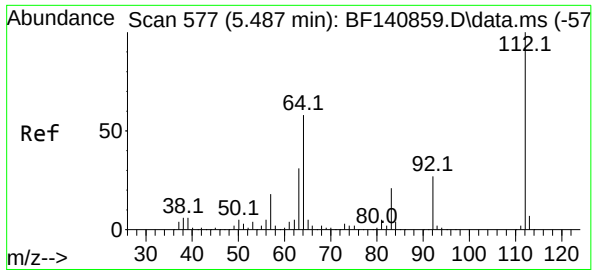
Ion Ratio Lower Upper

42 100

74 133.5 96.9 145.3

44 6.3 4.4 6.6





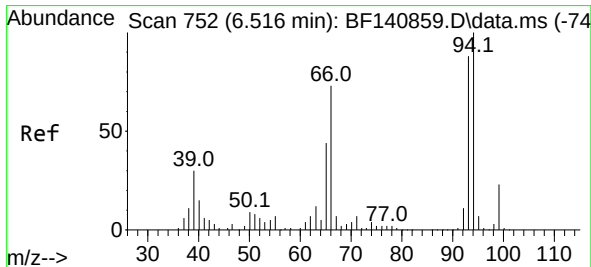
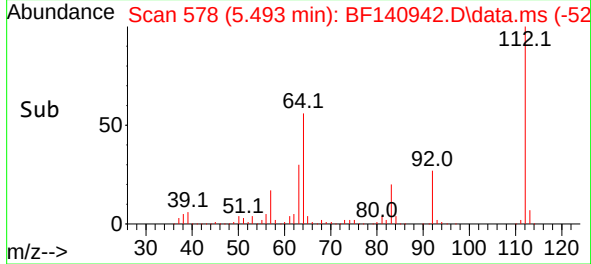
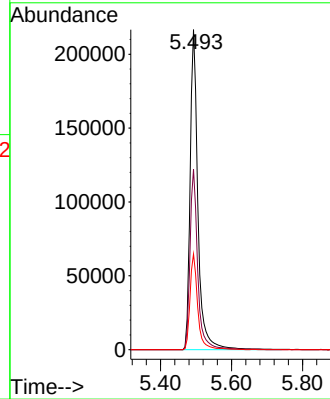
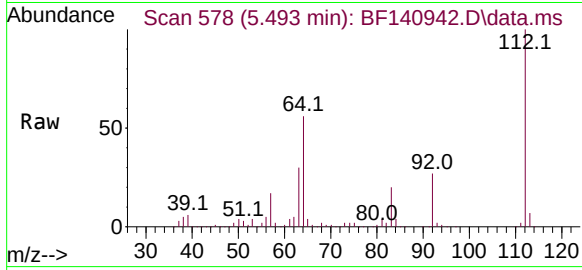
#5
2-Fluorophenol
Concen: 72.726 ng
RT: 5.493 min Scan# 51
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 330518
Ion Ratio Lower Upper
112 100
64 56.4 46.1 69.1
63 29.9 24.9 37.3

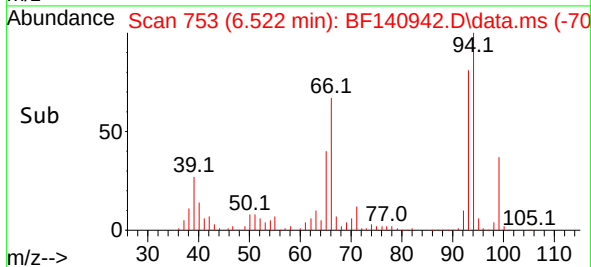
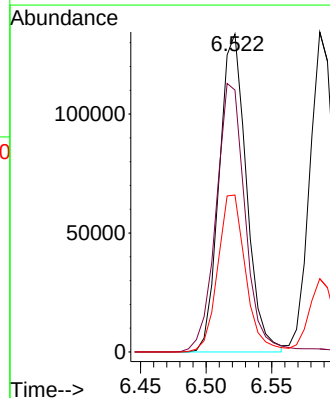
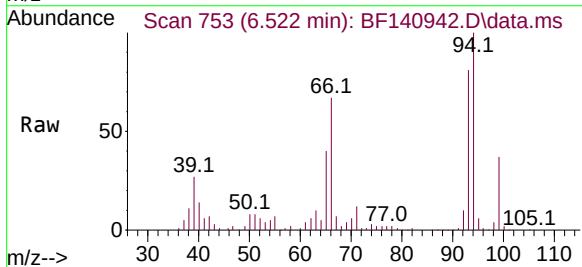
Manual Integrations
APPROVED

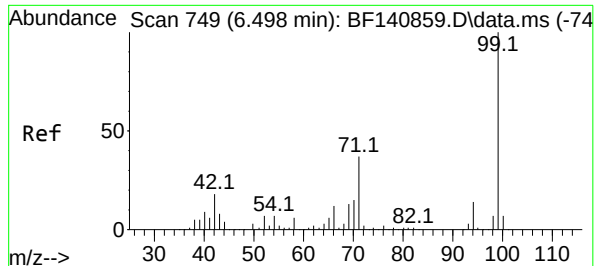
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#6
Aniline
Concen: 37.347 ng
RT: 6.522 min Scan# 753
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion: 93 Resp: 192218
Ion Ratio Lower Upper
93 100
66 82.4 67.0 100.4
65 49.4 40.4 60.6





#7

Phenol-d6

Concen: 74.251 ng

RT: 6.504 min Scan# 71

Delta R.T. 0.006 min

Lab File: BF140942.D

Acq: 20 Dec 2024 11:15

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 99 Resp: 446954

Ion Ratio Lower Upper

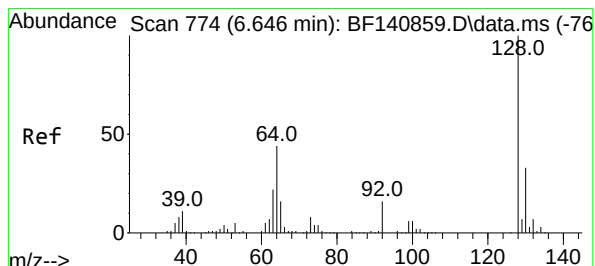
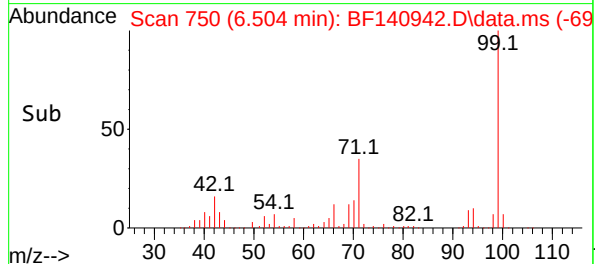
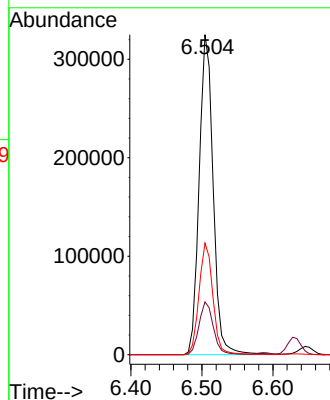
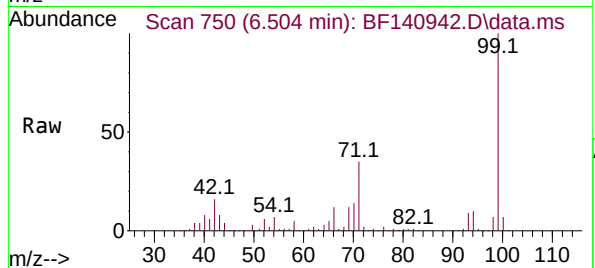
99 100

42 16.5 14.3 21.5

71 34.8 29.9 44.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

#8

2-Chlorophenol

Concen: 38.996 ng

RT: 6.645 min Scan# 774

Delta R.T. -0.000 min

Lab File: BF140942.D

Acq: 20 Dec 2024 11:15

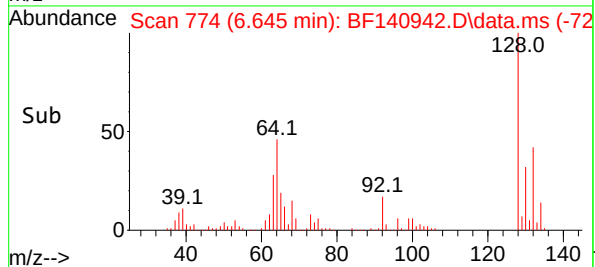
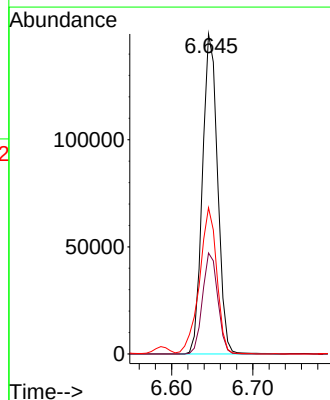
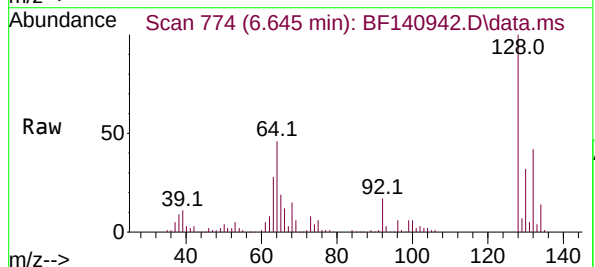
Tgt Ion:128 Resp: 193264

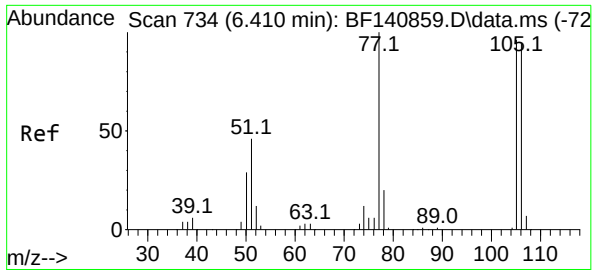
Ion Ratio Lower Upper

128 100

130 31.6 12.9 52.9

64 45.7 24.3 64.3





#9

Benzaldehyde

Concen: 35.692 ng

RT: 6.410 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF140942.D

Acq: 20 Dec 2024 11:15

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 77 Resp: 11904

Ion Ratio Lower Upper

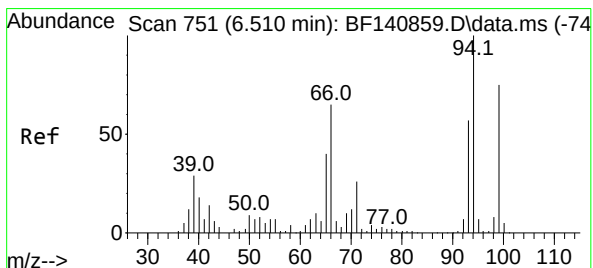
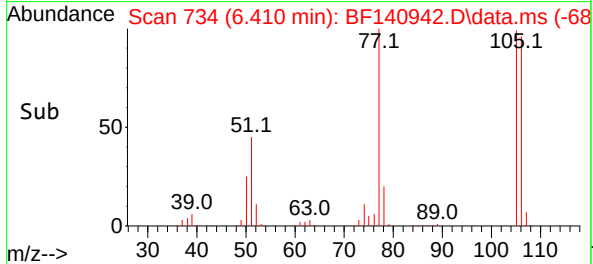
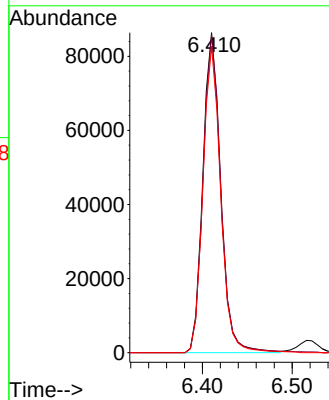
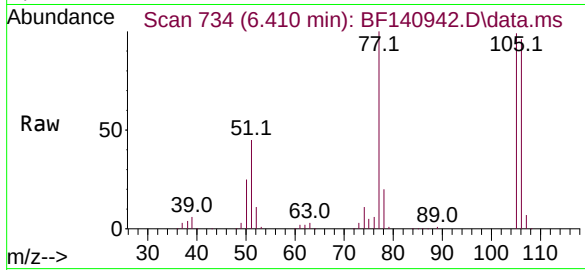
77 100

105 99.3 75.8 115.8

106 95.7 74.1 114.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

#10

Phenol

Concen: 37.438 ng

RT: 6.522 min Scan# 753

Delta R.T. 0.012 min

Lab File: BF140942.D

Acq: 20 Dec 2024 11:15

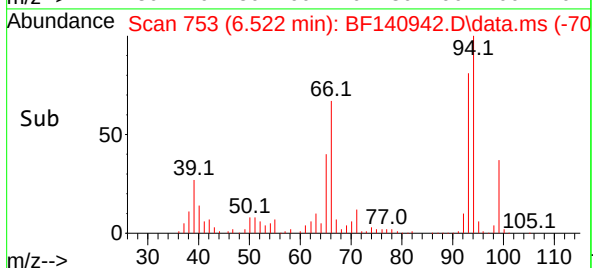
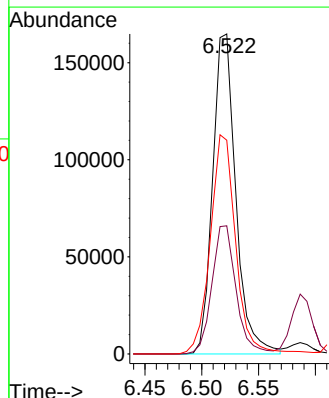
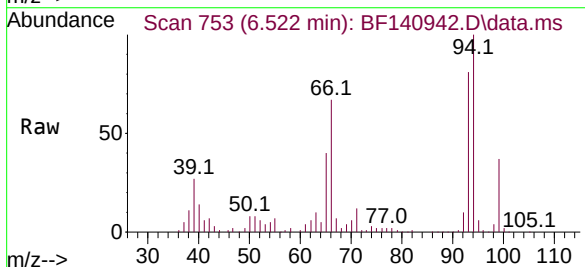
Tgt Ion: 94 Resp: 233567

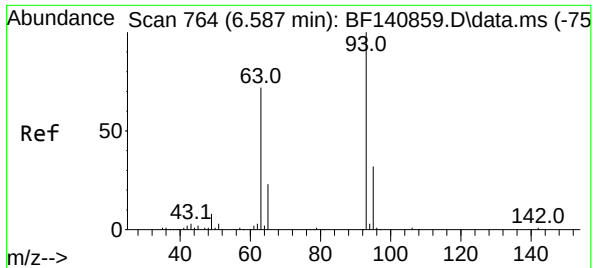
Ion Ratio Lower Upper

94 100

65 40.0 19.9 59.9

66 66.8 45.6 85.6





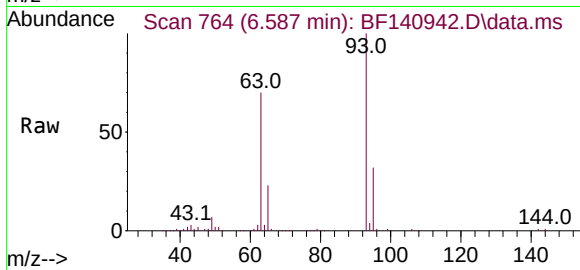
#11
bis(2-Chloroethyl)ether
Concen: 37.188 ng
RT: 6.587 min Scan# 764
Delta R.T. -0.000 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

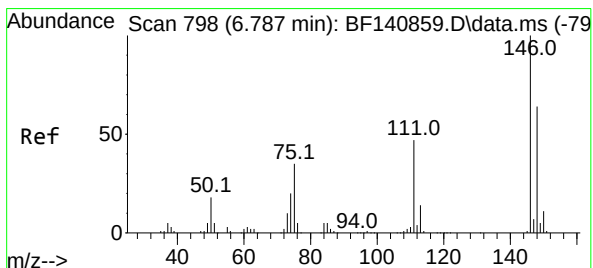
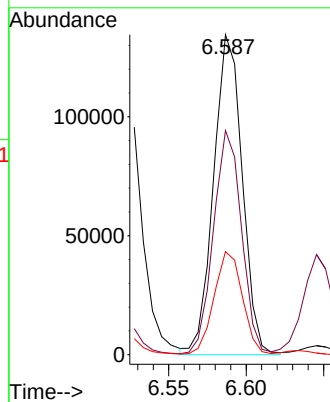
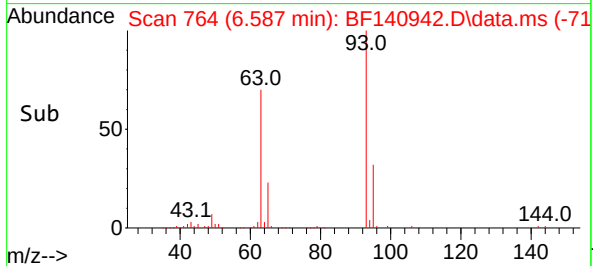


Tgt Ion: 93 Resp: 173020
Ion Ratio Lower Upper
93 100
63 70.0 51.0 91.0
95 32.2 12.0 52.0

Manual Integrations

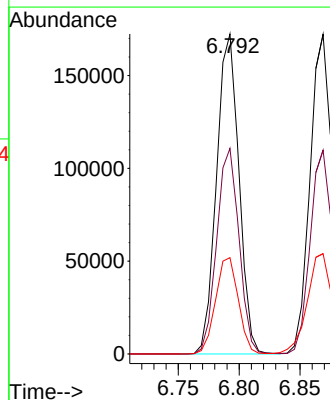
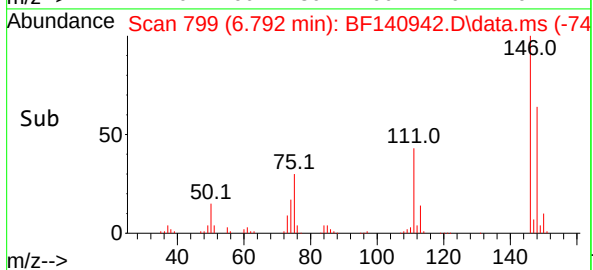
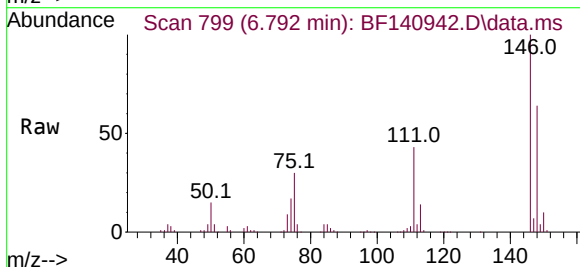
APPROVED

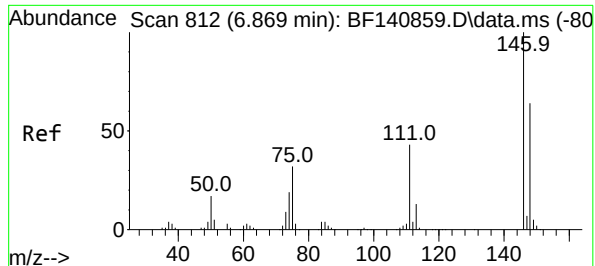
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#12
1,3-Dichlorobenzene
Concen: 39.082 ng
RT: 6.792 min Scan# 799
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:146 Resp: 220709
Ion Ratio Lower Upper
146 100
148 64.2 51.0 76.6
75 30.1 28.1 42.1





#13

1,4-Dichlorobenzene

Concen: 38.376 ng

RT: 6.869 min Scan# 812

Delta R.T. -0.000 min

Lab File: BF140942.D

Acq: 20 Dec 2024 11:15

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:146 Resp: 219984

Ion Ratio Lower Upper

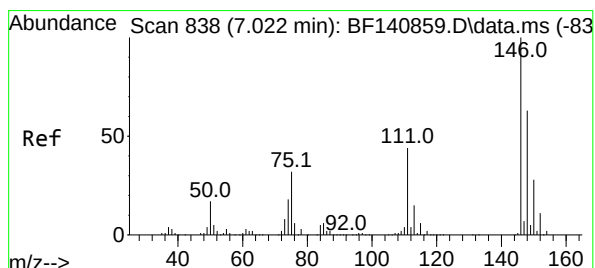
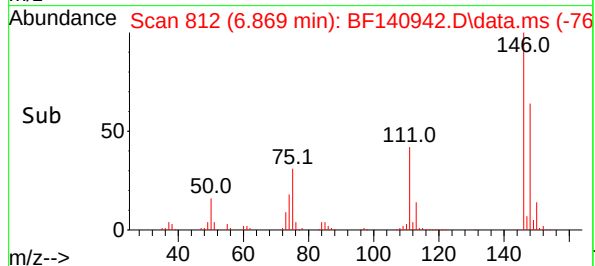
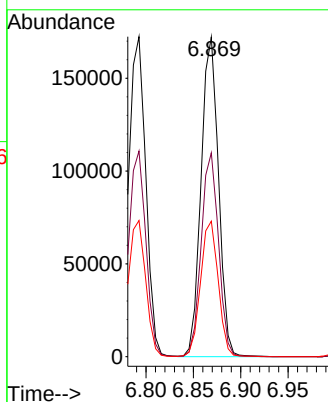
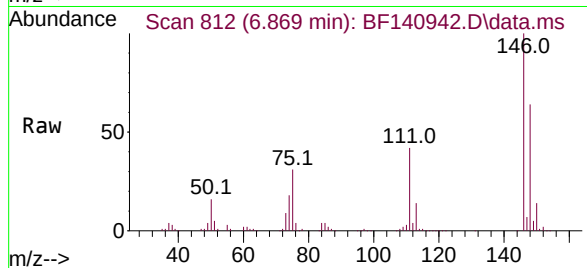
146 100

148 63.7 51.3 76.9

111 42.4 34.4 51.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

#14

1,2-Dichlorobenzene

Concen: 38.575 ng

RT: 7.022 min Scan# 838

Delta R.T. -0.000 min

Lab File: BF140942.D

Acq: 20 Dec 2024 11:15

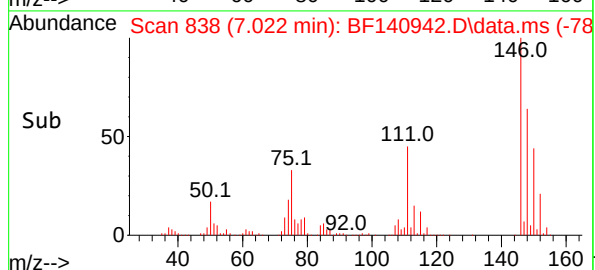
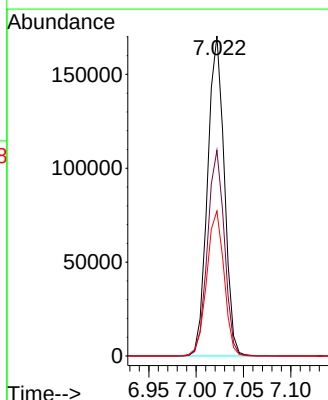
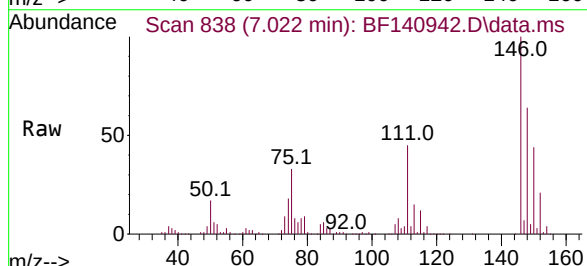
Tgt Ion:146 Resp: 208631

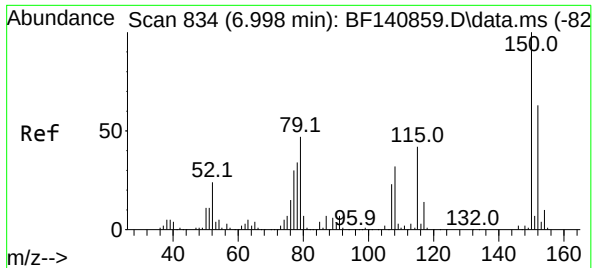
Ion Ratio Lower Upper

146 100

148 64.3 50.0 75.0

111 45.3 35.6 53.4





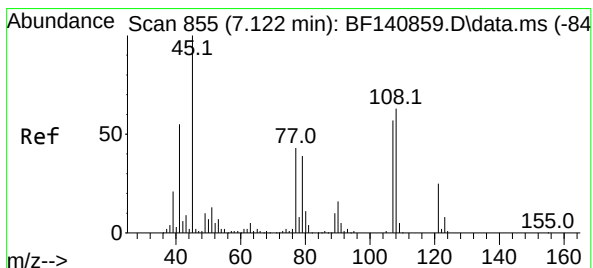
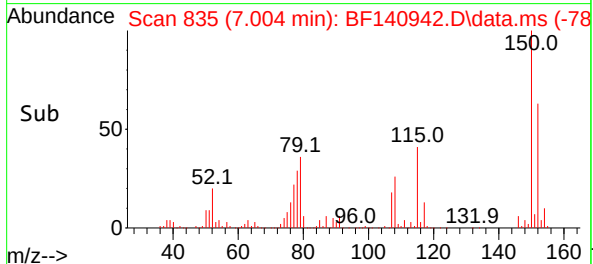
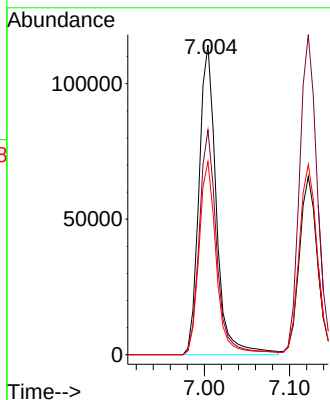
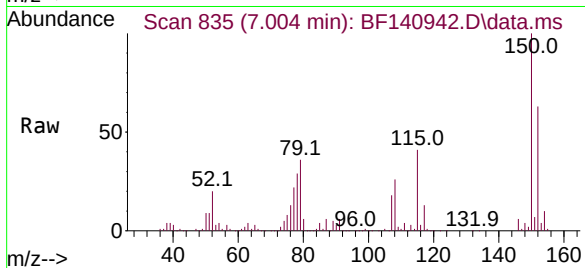
#15
Benzyl Alcohol
Concen: 37.495 ng
RT: 7.004 min Scan# 811
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 161378
Ion Ratio Lower Upper
79 100
108 72.5 55.1 82.7
77 62.3 50.6 76.0

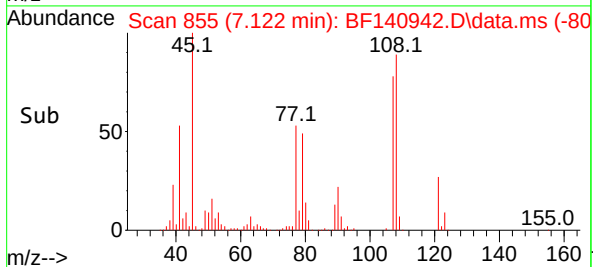
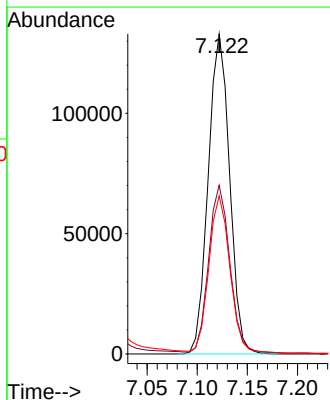
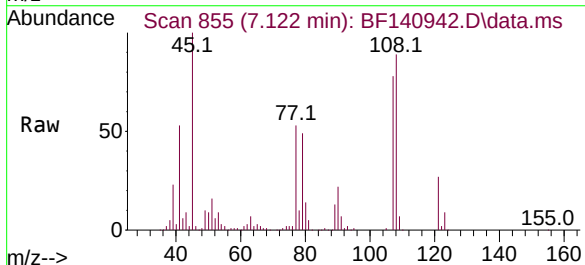
Manual Integrations
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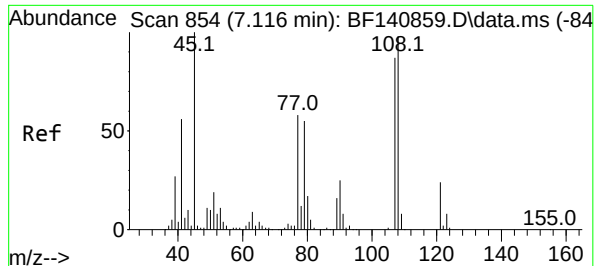
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#16
2,2'-oxybis(1-chloropropane)
Concen: 35.963 ng
RT: 7.122 min Scan# 855
Delta R.T. -0.000 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

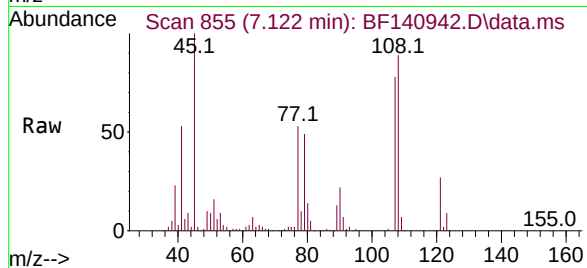
Tgt Ion: 45 Resp: 197110
Ion Ratio Lower Upper
45 100
77 52.7 23.3 63.3
79 49.4 20.0 60.0





#17
2-Methylphenol
Concen: 38.095 ng
RT: 7.122 min Scan# 855
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

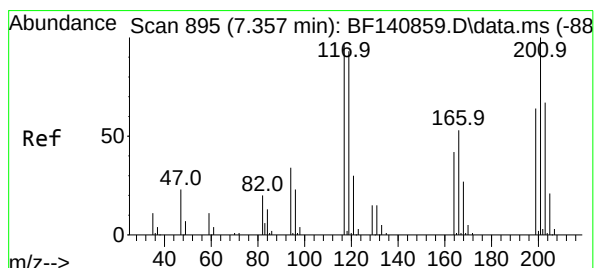
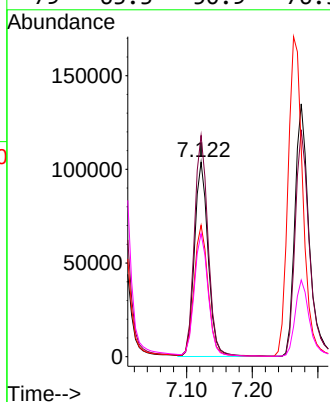
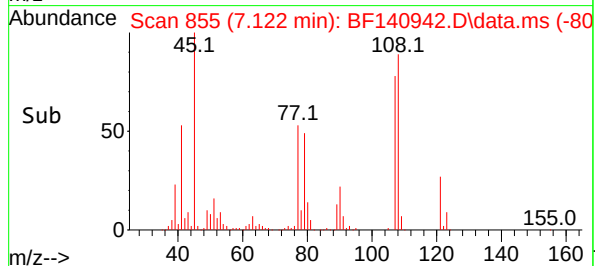
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:107 Resp: 150732
Ion Ratio Lower Upper
107 100
108 113.7 90.2 135.4
77 67.6 53.8 80.6
79 63.3 50.9 76.3

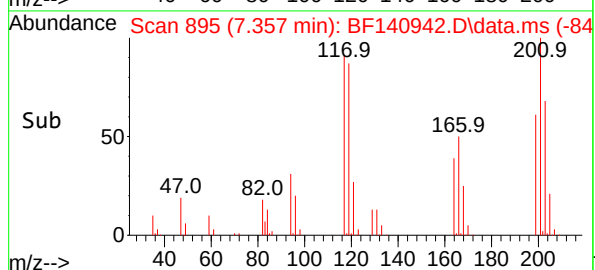
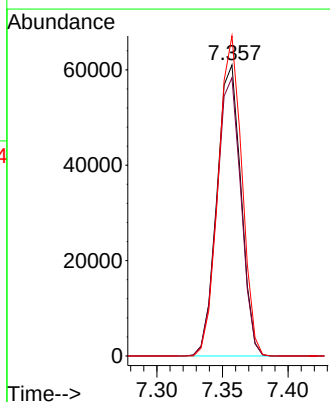
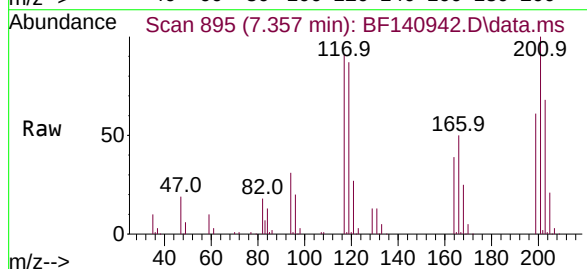
Manual Integrations
APPROVED

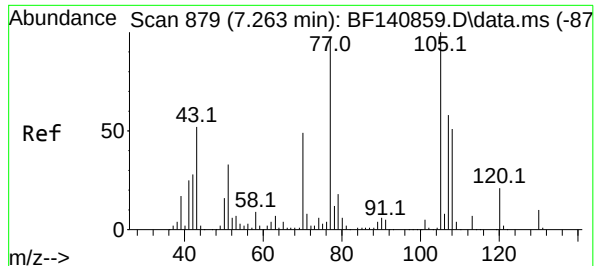
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#18
Hexachloroethane
Concen: 36.502 ng
RT: 7.357 min Scan# 895
Delta R.T. -0.000 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:117 Resp: 77896
Ion Ratio Lower Upper
117 100
119 95.6 77.4 116.0
201 109.9 83.4 125.0





#19

n-Nitroso-di-n-propylamine

Concen: 35.587 ng

RT: 7.269 min Scan# 879

Delta R.T. 0.006 min

Lab File: BF140942.D

Acq: 20 Dec 2024 11:15

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 70 Resp: 12849

Ion Ratio Lower Upper

70 100

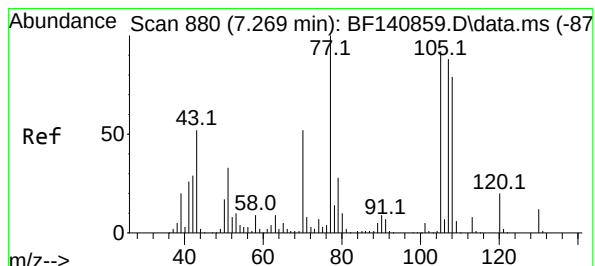
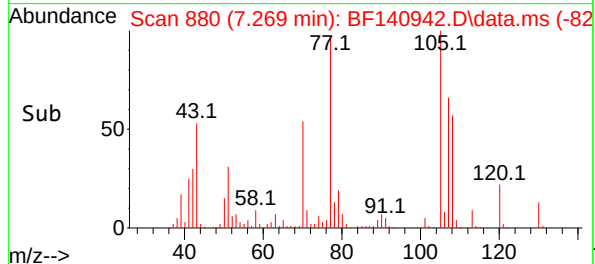
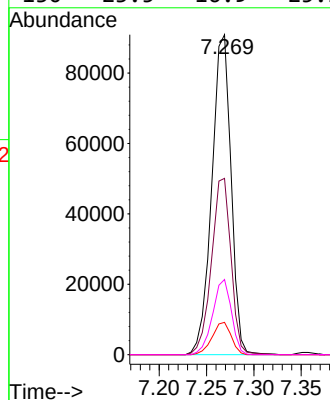
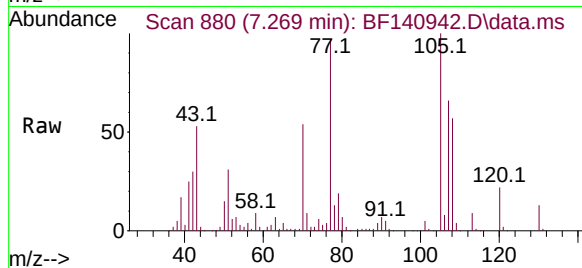
42 55.1 45.3 67.9

101 10.1 8.0 12.0

130 23.5 16.9 25.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

#20

3+4-Methylphenols

Concen: 38.521 ng

RT: 7.275 min Scan# 881

Delta R.T. 0.006 min

Lab File: BF140942.D

Acq: 20 Dec 2024 11:15

Tgt Ion:107 Resp: 202109

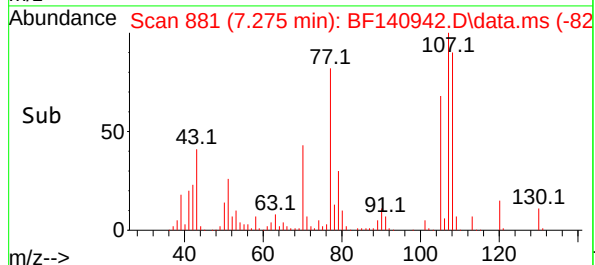
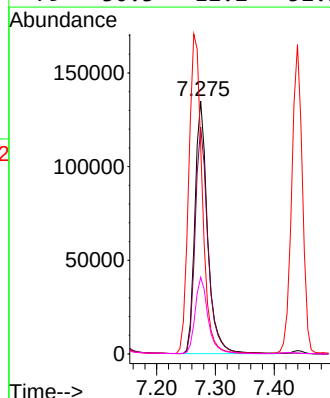
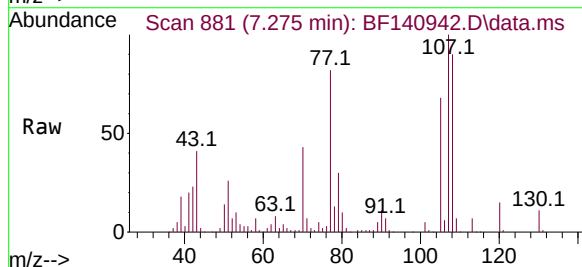
Ion Ratio Lower Upper

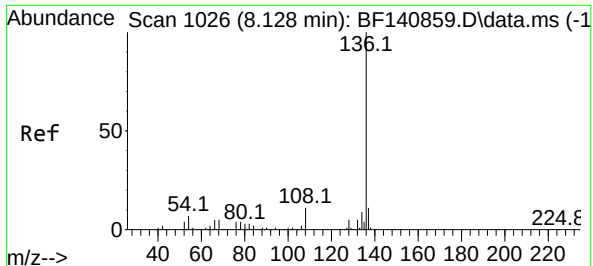
107 100

108 89.8 70.1 110.1

77 82.4 94.4 134.4#

79 30.3 12.2 52.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.134 min Scan# 1026

Delta R.T. 0.006 min

Lab File: BF140942.D

Acq: 20 Dec 2024 11:15

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:136 Resp: 271589

Ion Ratio Lower Upper

136 100

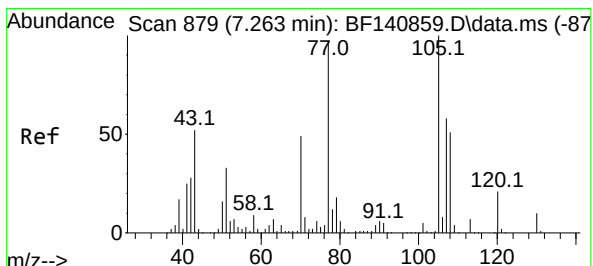
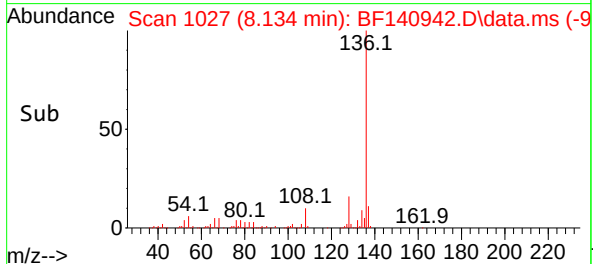
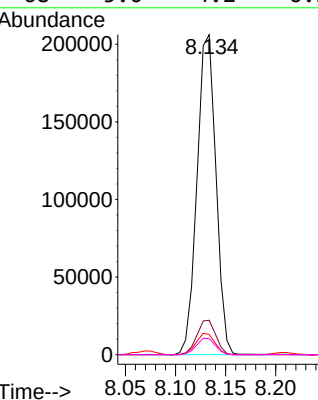
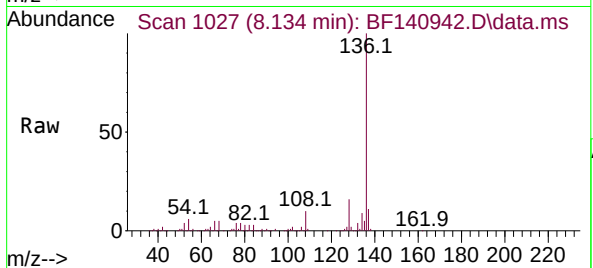
137 10.8 9.0 13.4

54 6.3 5.6 8.4

68 5.0 4.2 6.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

#22

Acetophenone

Concen: 38.835 ng

RT: 7.263 min Scan# 879

Delta R.T. -0.000 min

Lab File: BF140942.D

Acq: 20 Dec 2024 11:15

Tgt Ion:105 Resp: 263844

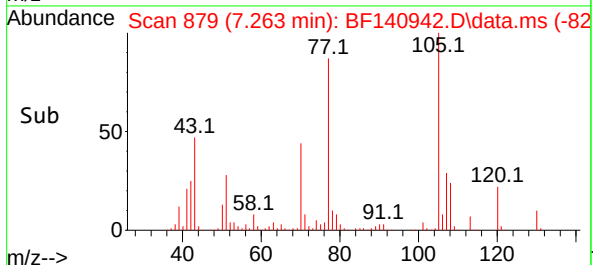
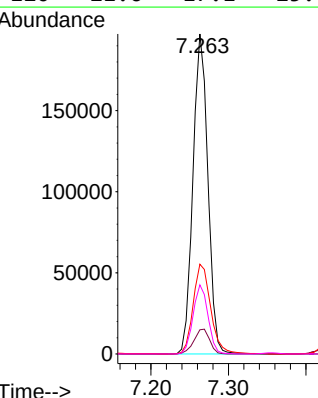
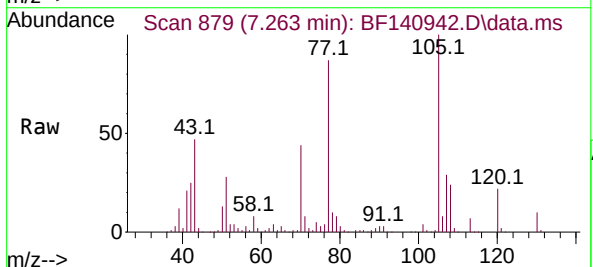
Ion Ratio Lower Upper

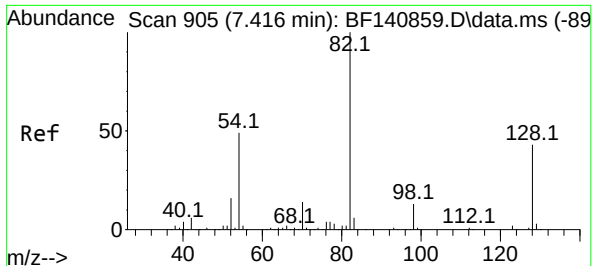
105 100

71 7.5 6.2 9.4

51 28.1 26.3 39.5

120 21.6 17.1 25.7





#23

Nitrobenzene-d5

Concen: 77.004 ng

RT: 7.422 min Scan# 90

Delta R.T. 0.006 min

Lab File: BF140942.D

Acq: 20 Dec 2024 11:15

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 82 Resp: 418009

Ion Ratio Lower Upper

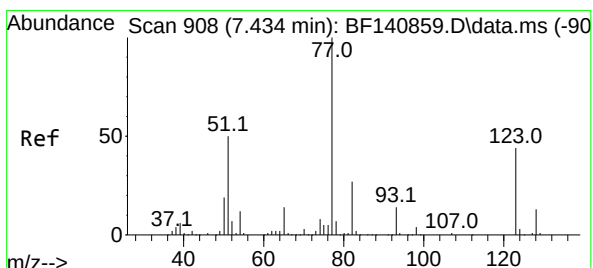
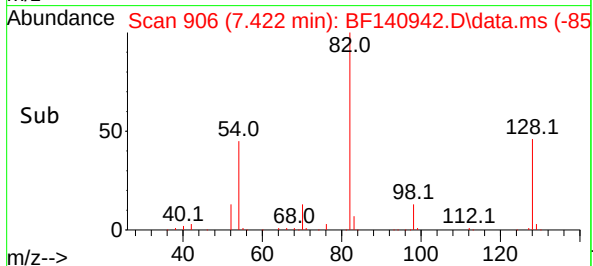
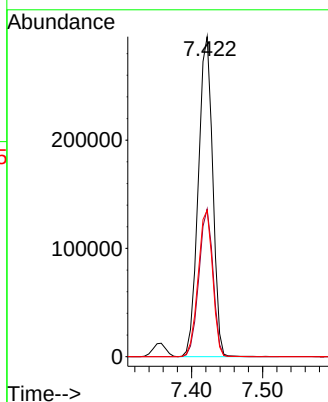
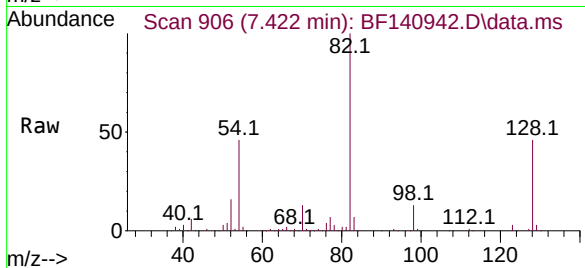
82 100

128 46.1 34.4 51.6

54 45.8 38.8 58.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

#24

Nitrobenzene

Concen: 37.305 ng

RT: 7.439 min Scan# 909

Delta R.T. 0.006 min

Lab File: BF140942.D

Acq: 20 Dec 2024 11:15

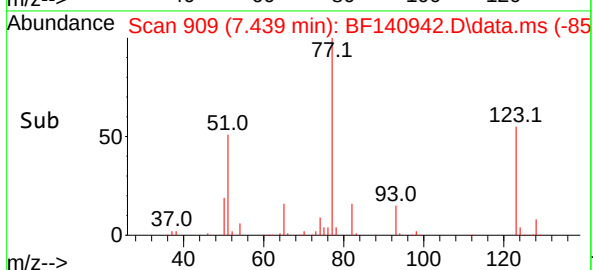
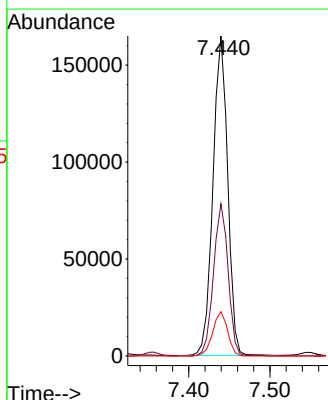
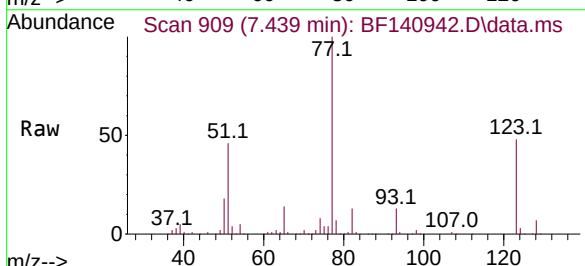
Tgt Ion: 77 Resp: 207460

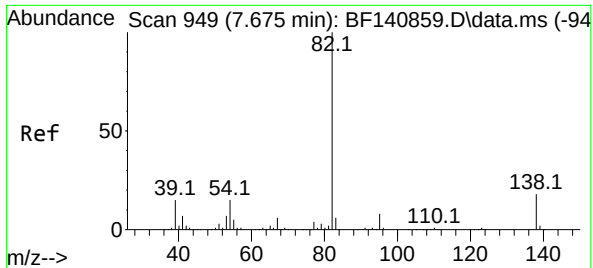
Ion Ratio Lower Upper

77 100

123 47.6 35.0 52.4

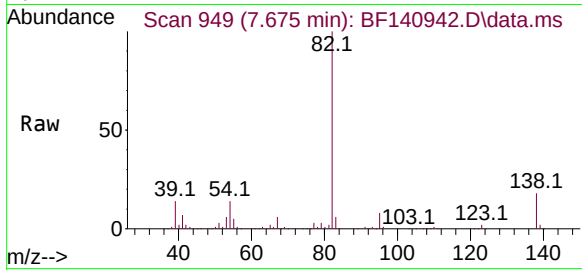
65 13.9 11.4 17.0





#25
Isophorone
Concen: 38.063 ng
RT: 7.675 min Scan# 949
Delta R.T. -0.000 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

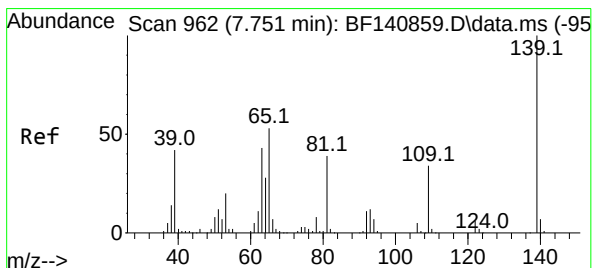
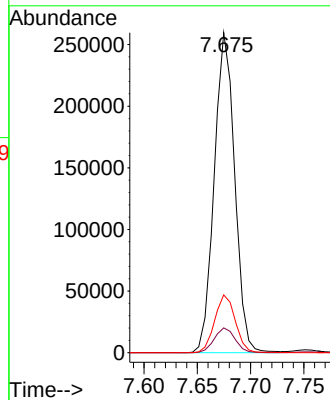
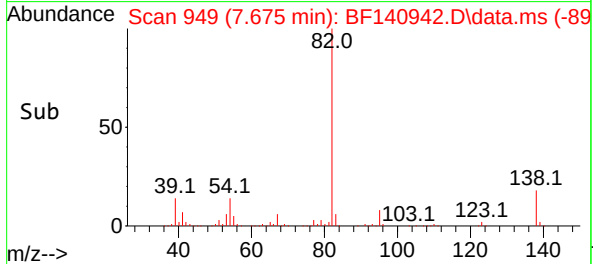
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



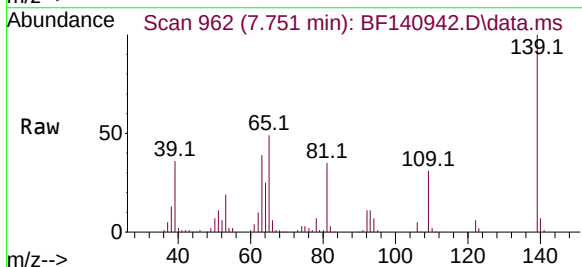
Tgt Ion: 82 Resp: 346209
Ion Ratio Lower Upper
82 100
95 7.8 6.3 9.5
138 18.1 14.1 21.1

Manual Integrations
APPROVED

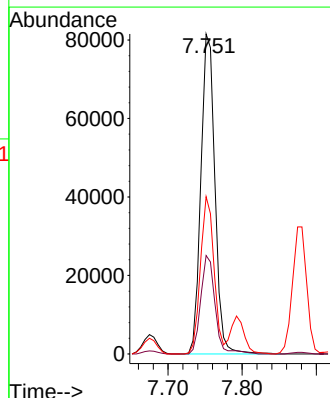
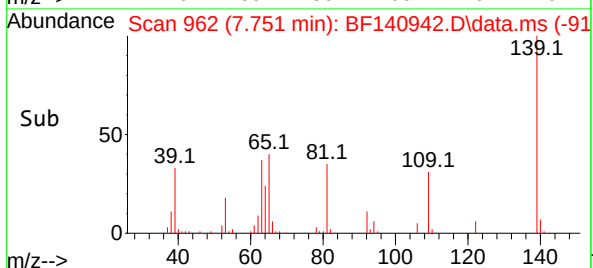
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

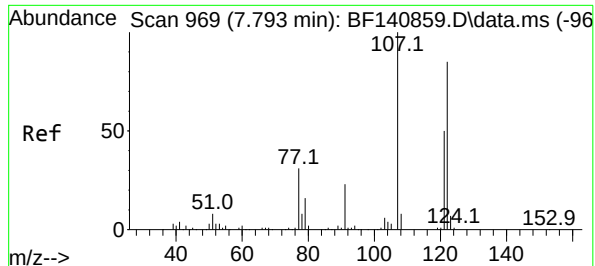


#26
2-Nitrophenol
Concen: 41.913 ng
RT: 7.751 min Scan# 962
Delta R.T. -0.000 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15



Tgt Ion:139 Resp: 107352
Ion Ratio Lower Upper
139 100
109 30.8 26.9 40.3
65 49.1 42.6 64.0





#27

2,4-Dimethylphenol

Concen: 40.254 ng

RT: 7.792 min Scan# 90

Delta R.T. -0.000 min

Lab File: BF140942.D

Acq: 20 Dec 2024 11:15

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:122 Resp: 12040

Ion Ratio Lower Upper

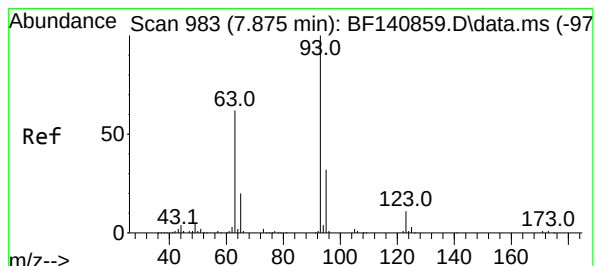
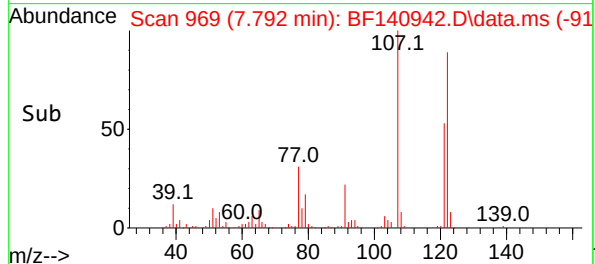
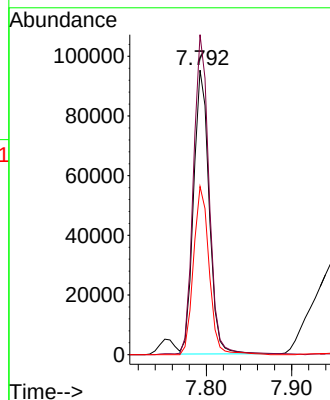
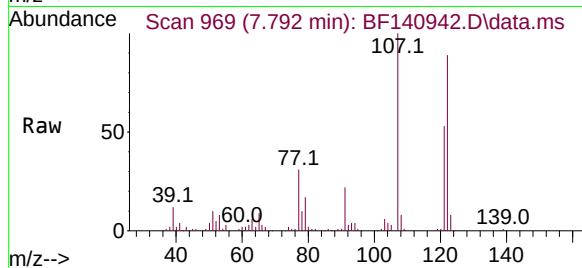
122 100

107 112.5 92.6 139.0

121 59.1 45.8 68.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

#28

bis(2-Chloroethoxy)methane

Concen: 38.864 ng

RT: 7.881 min Scan# 984

Delta R.T. 0.006 min

Lab File: BF140942.D

Acq: 20 Dec 2024 11:15

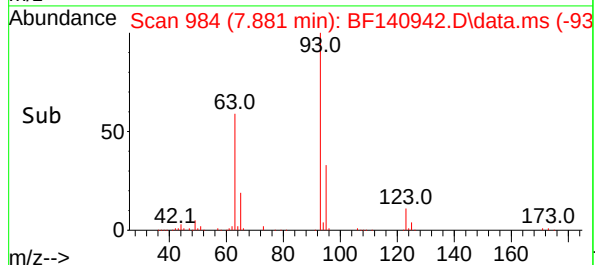
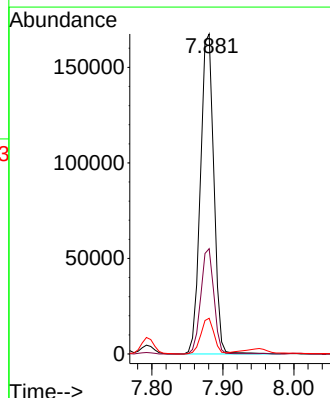
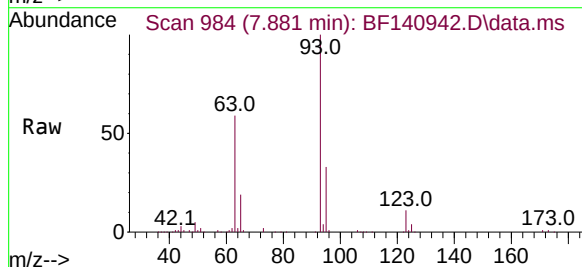
Tgt Ion: 93 Resp: 220781

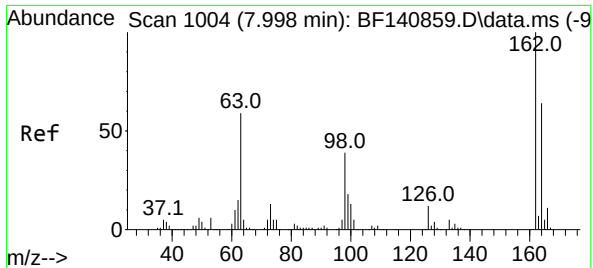
Ion Ratio Lower Upper

93 100

95 32.9 25.3 37.9

123 11.1 8.6 13.0





#29

2,4-Dichlorophenol

Concen: 39.361 ng

RT: 8.004 min Scan# 1004

Delta R.T. 0.006 min

Lab File: BF140942.D

Acq: 20 Dec 2024 11:15

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:162 Resp: 162540

Ion Ratio Lower Upper

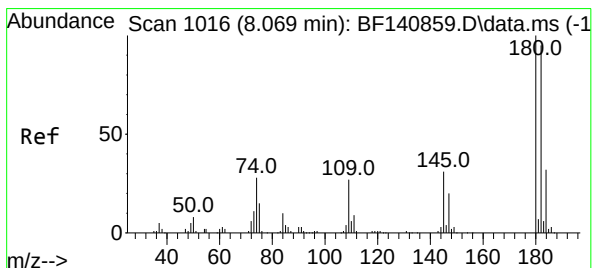
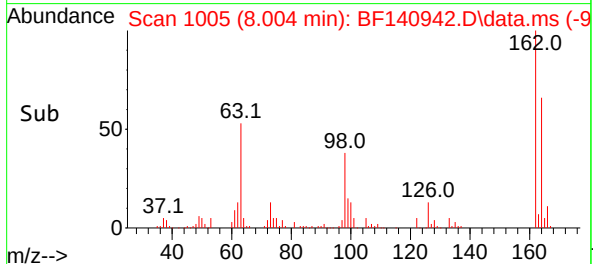
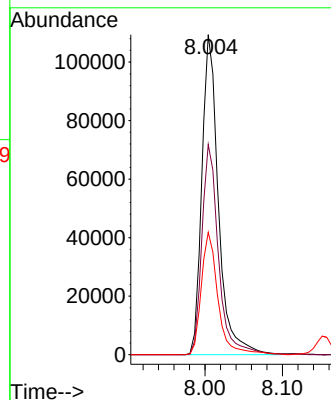
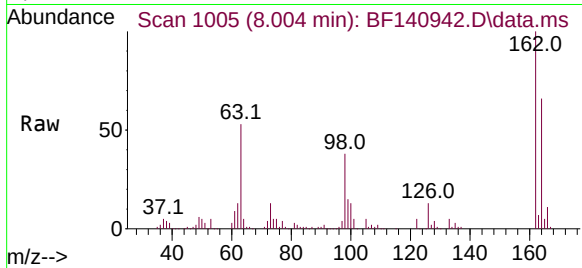
162 100

164 65.7 43.7 83.7

98 38.3 18.6 58.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

#30

1,2,4-Trichlorobenzene

Concen: 39.649 ng

RT: 8.075 min Scan# 1017

Delta R.T. 0.006 min

Lab File: BF140942.D

Acq: 20 Dec 2024 11:15

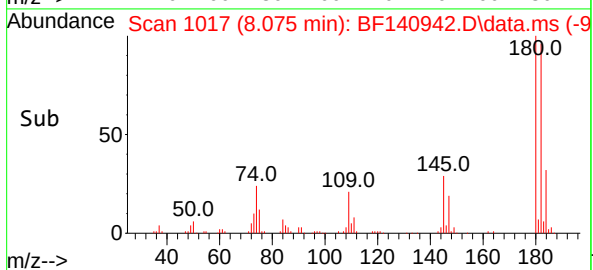
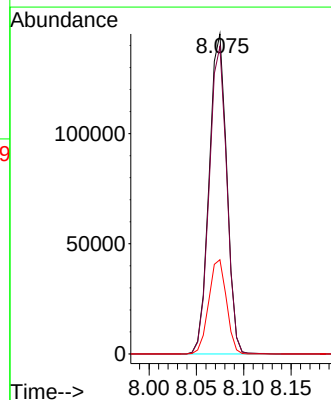
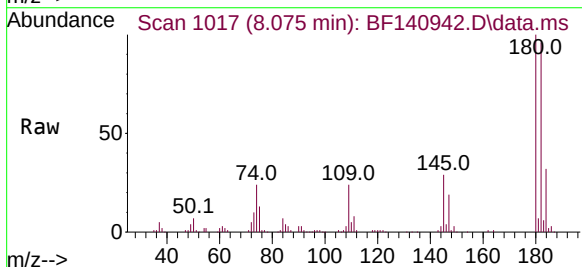
Tgt Ion:180 Resp: 187702

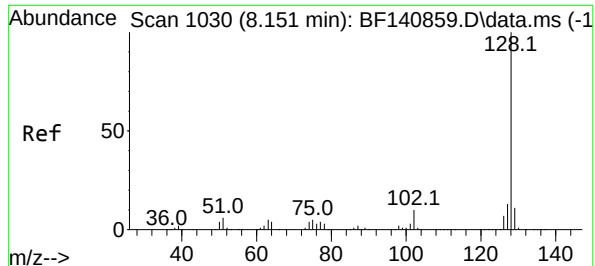
Ion Ratio Lower Upper

180 100

182 96.1 75.8 113.6

145 29.5 25.2 37.8





#31

Naphthalene

Concen: 39.270 ng

RT: 8.151 min Scan# 1030

Delta R.T. -0.000 min

Lab File: BF140942.D

Acq: 20 Dec 2024 11:15

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:128 Resp: 58585

Ion Ratio Lower Upper

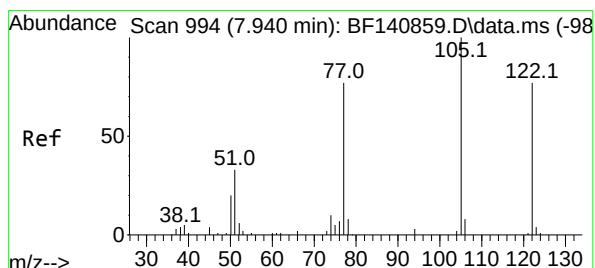
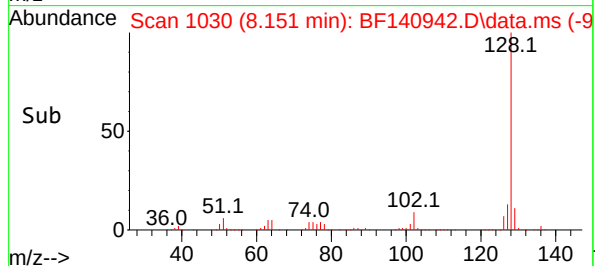
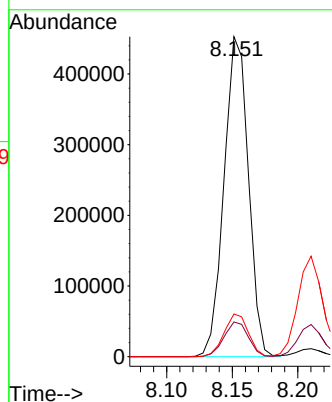
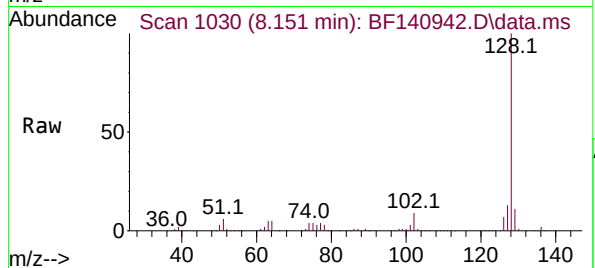
128 100

129 10.9 8.9 13.3

127 13.4 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

#32

Benzoic acid

Concen: 34.606 ng

RT: 7.951 min Scan# 996

Delta R.T. 0.011 min

Lab File: BF140942.D

Acq: 20 Dec 2024 11:15

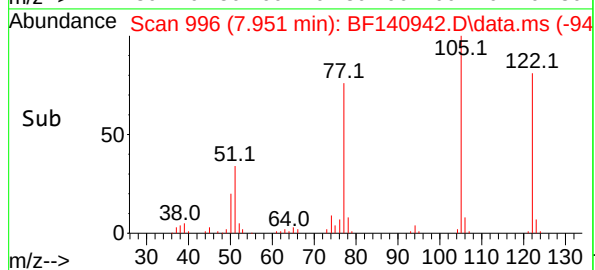
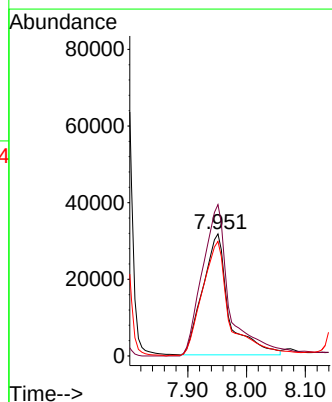
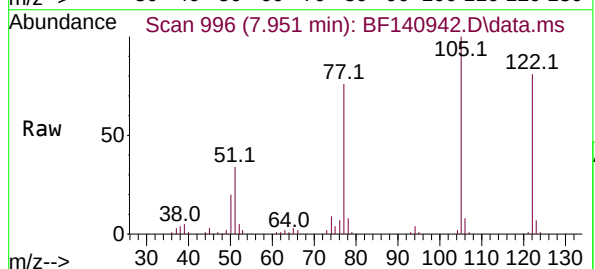
Tgt Ion:122 Resp: 98174

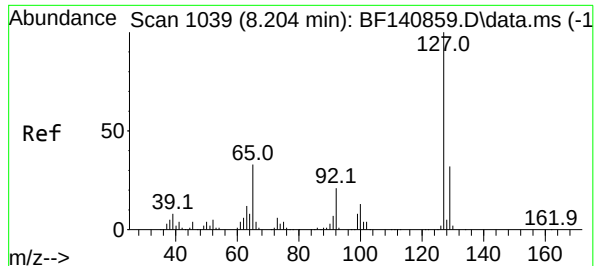
Ion Ratio Lower Upper

122 100

105 124.0 108.3 148.3

77 93.8 78.8 118.8





#33
4-Chloroaniline
Concen: 39.228 ng
RT: 8.210 min Scan# 1039
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Instrument :

BNA_F

ClientSampleId :

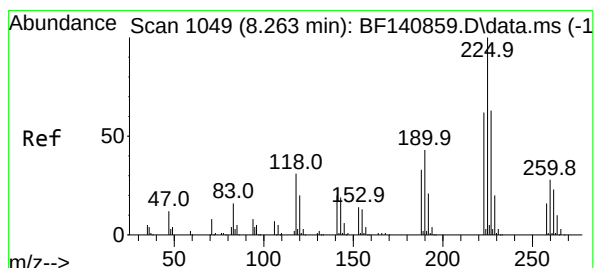
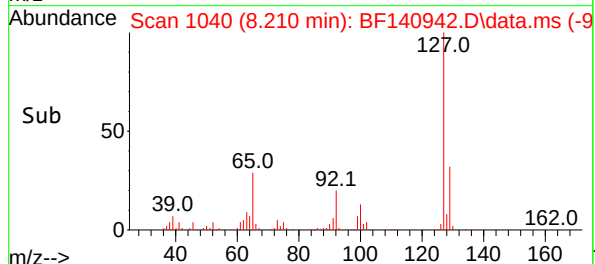
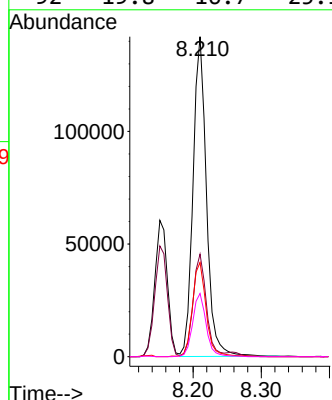
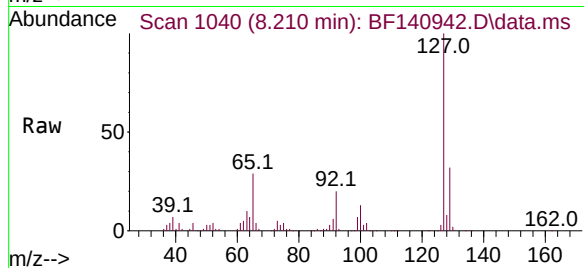
SSTDCCC040

Tgt Ion:127 Resp: 194369
Ion Ratio Lower Upper
127 100
129 32.0 26.0 39.0
65 29.5 26.0 39.0
92 19.8 16.7 25.1

Manual Integrations

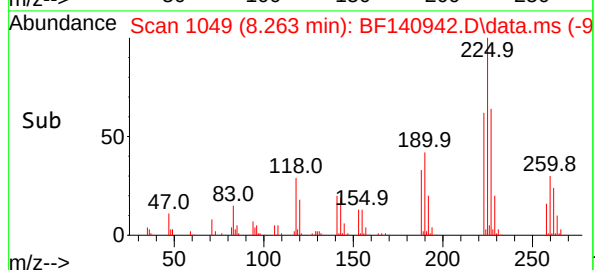
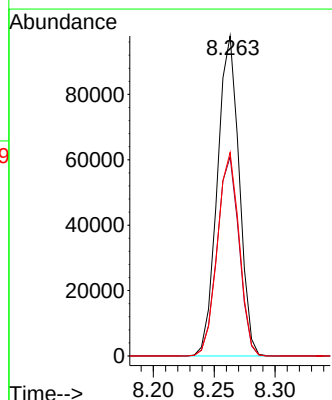
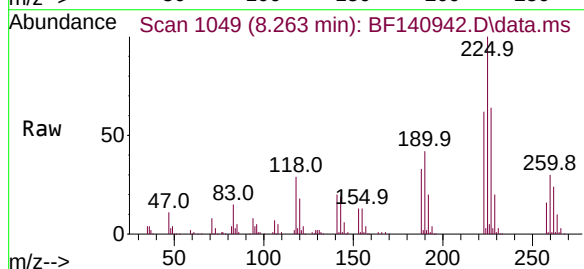
APPROVED

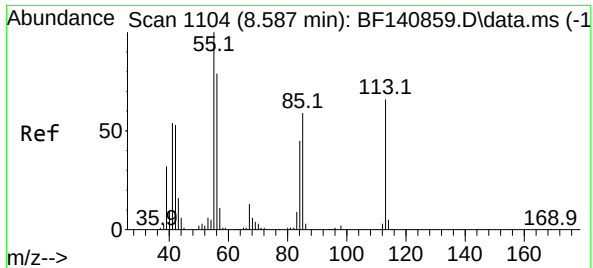
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#34
Hexachlorobutadiene
Concen: 38.289 ng
RT: 8.263 min Scan# 1049
Delta R.T. -0.000 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

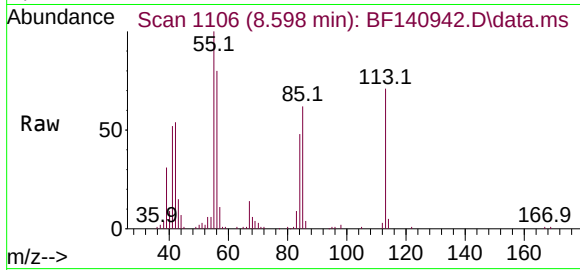
Tgt Ion:225 Resp: 121955
Ion Ratio Lower Upper
225 100
223 62.2 49.6 74.4
227 63.6 50.7 76.1





#35
Caprolactam
Concen: 37.061 ng
RT: 8.598 min Scan# 1106
Delta R.T. 0.012 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

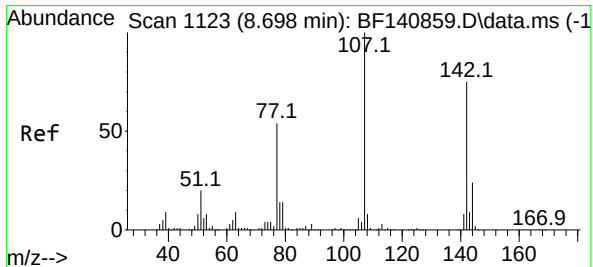
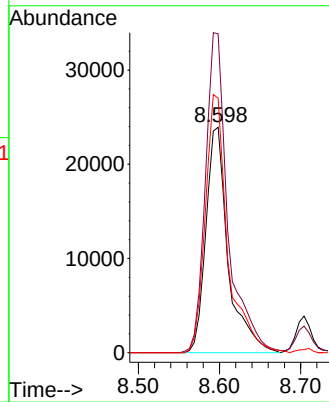
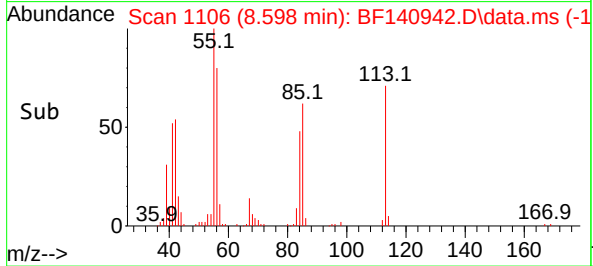
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:113 Resp: 45564
Ion Ratio Lower Upper
113 100
55 141.5 132.3 172.3
56 112.9 100.3 140.3

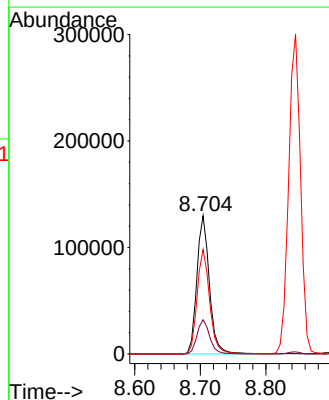
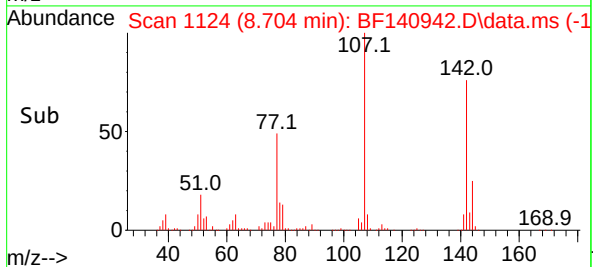
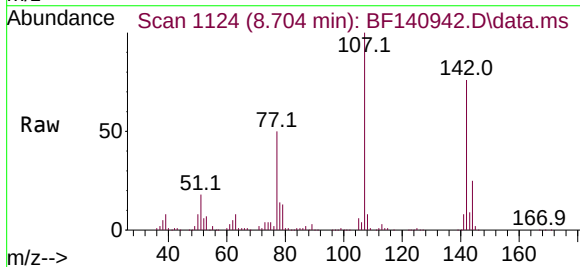
Manual Integrations
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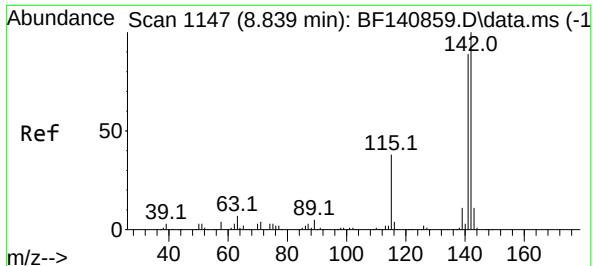
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#36
4-Chloro-3-methylphenol
Concen: 37.361 ng
RT: 8.704 min Scan# 1124
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:107 Resp: 173656
Ion Ratio Lower Upper
107 100
144 24.8 19.4 29.2
142 75.5 60.3 90.5





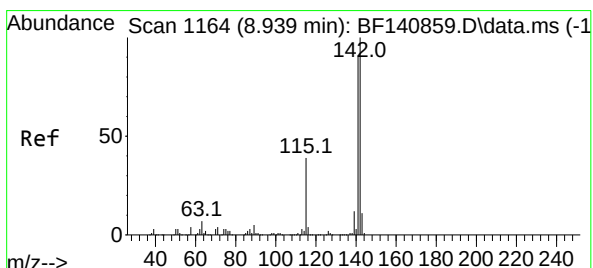
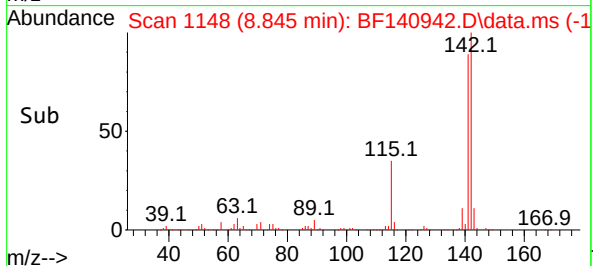
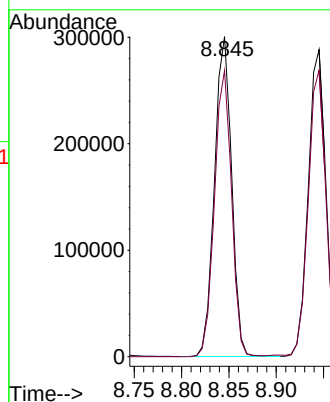
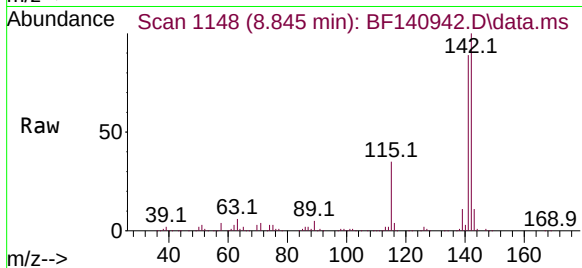
#37
2-Methylnaphthalene
Concen: 38.282 ng
RT: 8.845 min Scan# 1147
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 377790
Ion Ratio Lower Upper
142 100
141 89.4 71.0 106.6

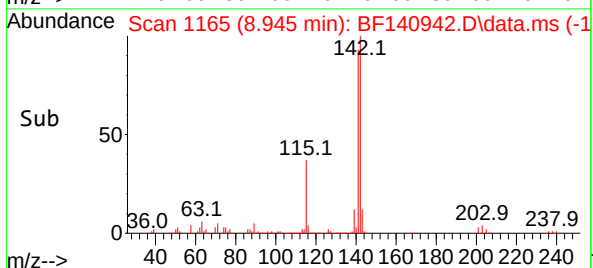
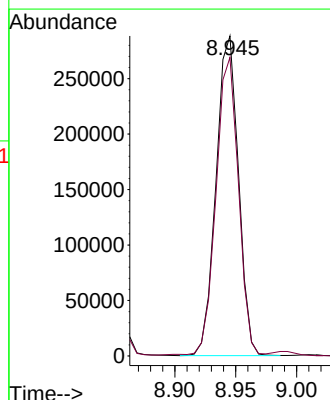
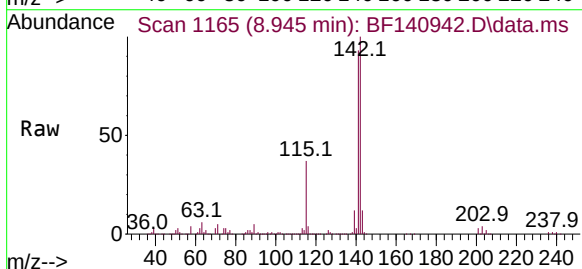
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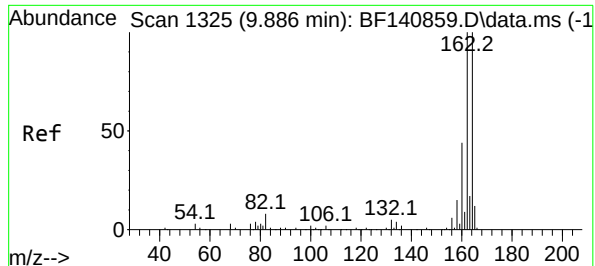
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#38
1-Methylnaphthalene
Concen: 37.761 ng
RT: 8.945 min Scan# 1165
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:142 Resp: 368550
Ion Ratio Lower Upper
142 100
141 93.3 73.4 110.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.886 min Scan# 1175

Delta R.T. -0.000 min

Lab File: BF140942.D

Acq: 20 Dec 2024 11:15

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:164 Resp: 162319

Ion Ratio Lower Upper

164 100

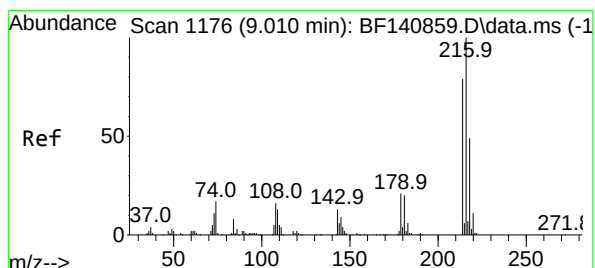
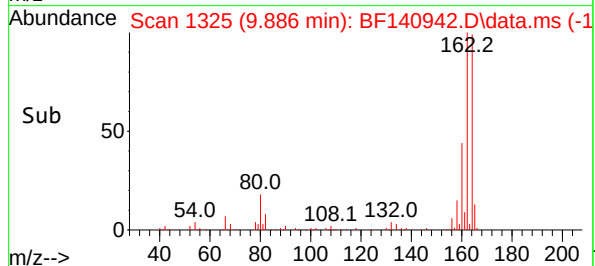
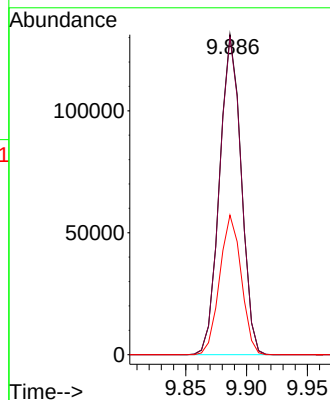
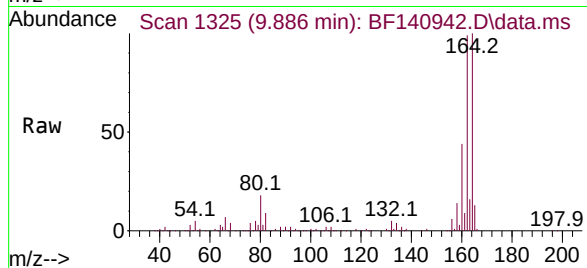
162 99.2 79.9 119.9

160 43.6 35.2 52.8

Manual Integrations

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Reviewed By :Jagrut Upadhyay 12/23/2024
 Supervised By :mohammad ahmed 12/24/2024



#40

1,2,4,5-Tetrachlorobenzene

Concen: 37.349 ng

RT: 9.010 min Scan# 1176

Delta R.T. -0.000 min

Lab File: BF140942.D

Acq: 20 Dec 2024 11:15

Tgt Ion:216 Resp: 186337

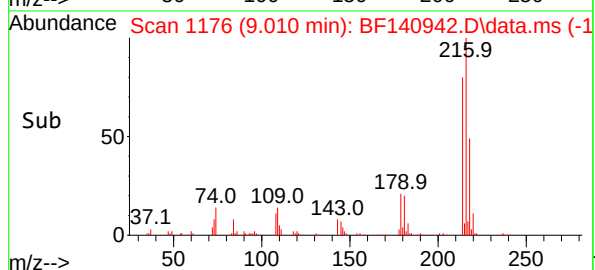
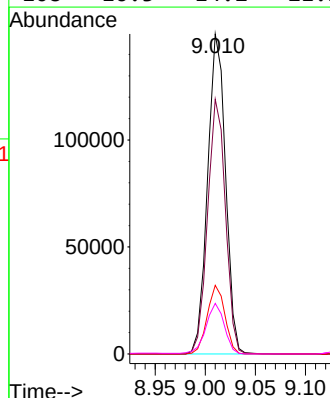
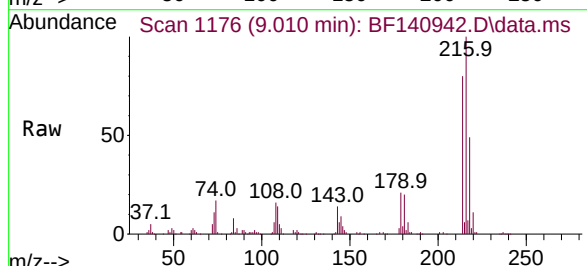
Ion Ratio Lower Upper

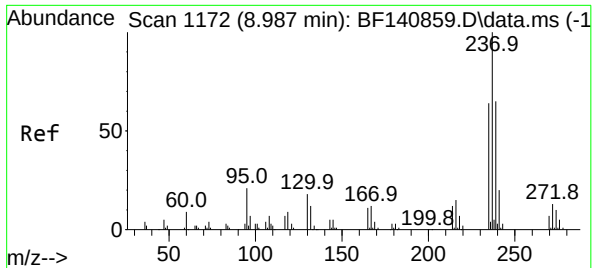
216 100

214 79.2 63.6 95.4

179 21.1 17.0 25.4

108 16.3 14.2 21.2





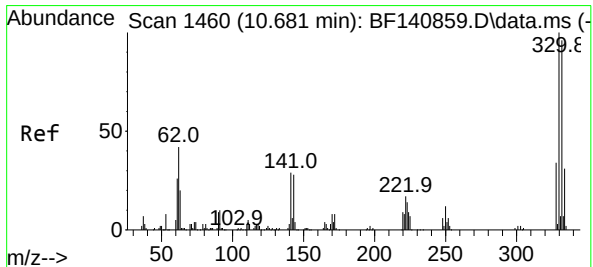
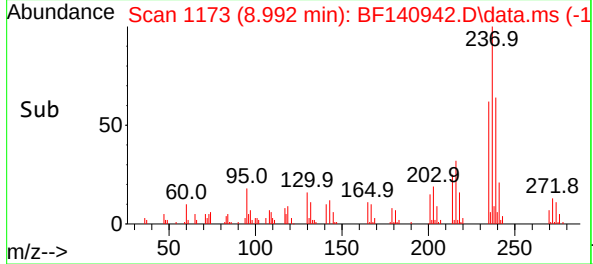
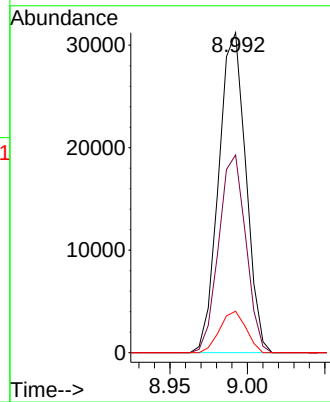
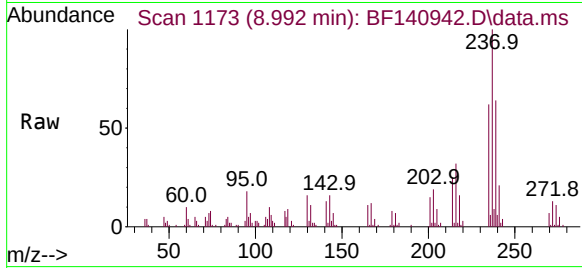
#41
Hexachlorocyclopentadiene
Concen: 34.773 ng
RT: 8.992 min Scan# 1172
Delta R.T. 0.005 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 237 Resp: 3808
Ion Ratio Lower Upper
237 100
235 61.8 43.7 83.7
272 13.0 0.0 32.9

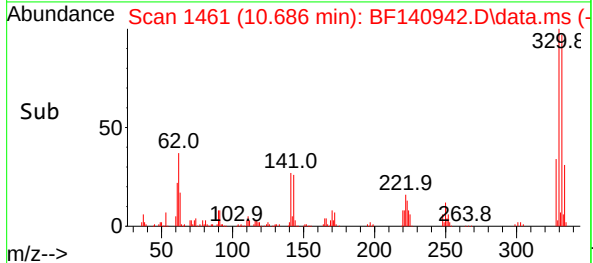
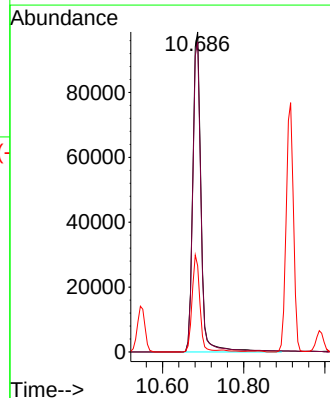
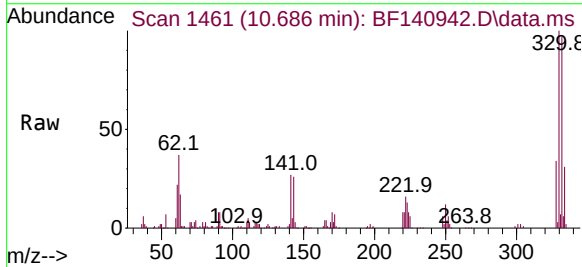
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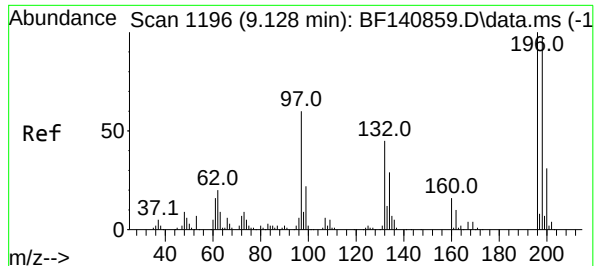
Reviewed By : Jagrut Upadhyay 12/23/2024
Supervised By : mohammad ahmed 12/24/2024



#42
2,4,6-Tribromophenol
Concen: 72.531 ng
RT: 10.686 min Scan# 1461
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion: 330 Resp: 139243
Ion Ratio Lower Upper
330 100
332 96.8 76.2 114.4
141 28.3 24.9 37.3





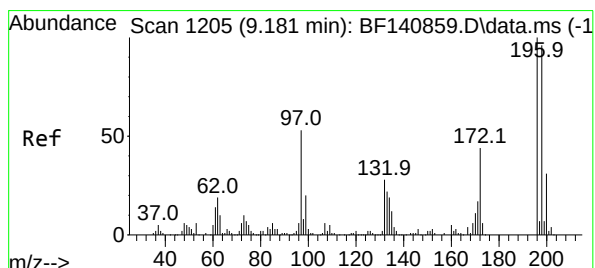
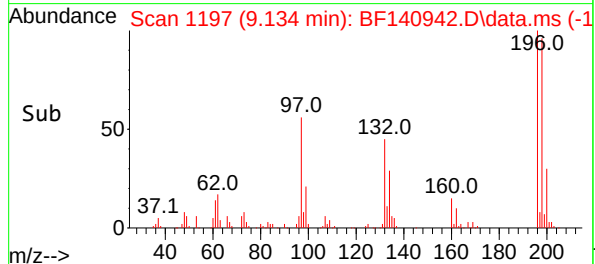
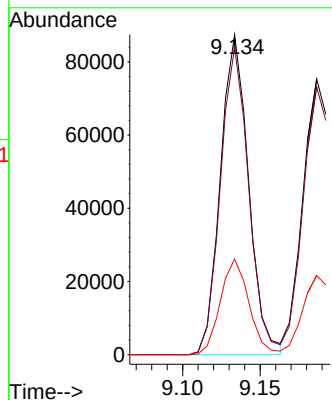
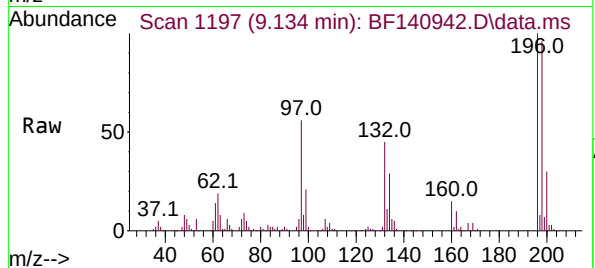
#43
2,4,6-Trichlorophenol
Concen: 36.226 ng
RT: 9.134 min Scan# 1196
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 110664
Ion Ratio Lower Upper
196 100
198 96.1 77.4 116.0
200 29.9 24.5 36.7

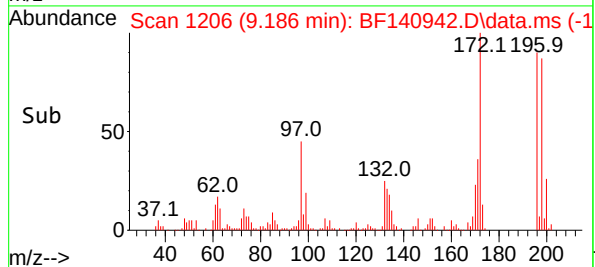
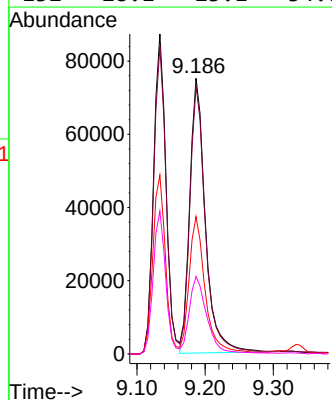
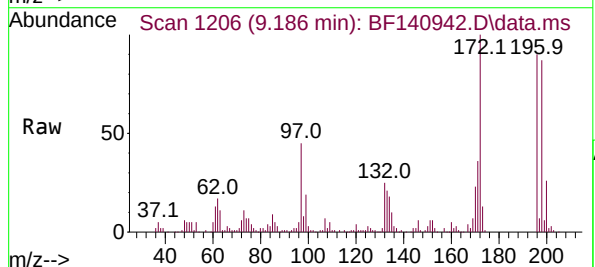
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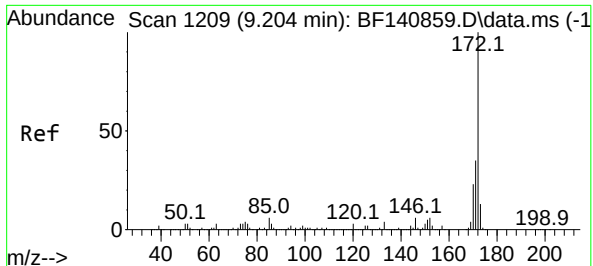
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#44
2,4,5-Trichlorophenol
Concen: 35.638 ng
RT: 9.186 min Scan# 1206
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:196 Resp: 119664
Ion Ratio Lower Upper
196 100
198 97.2 77.2 115.8
97 49.8 42.2 63.4
132 28.1 23.1 34.7





#45

2-Fluorobiphenyl

Concen: 73.670 ng

RT: 9.204 min Scan# 1209

Delta R.T. -0.000 min

Lab File: BF140942.D

Acq: 20 Dec 2024 11:15

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:172 Resp: 869760

Ion Ratio Lower Upper

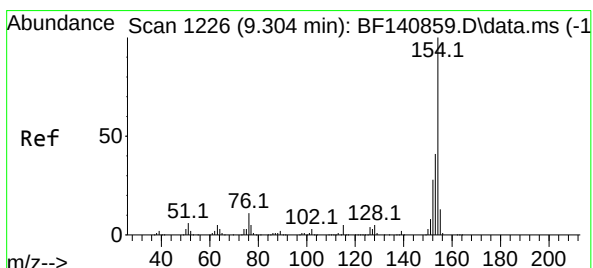
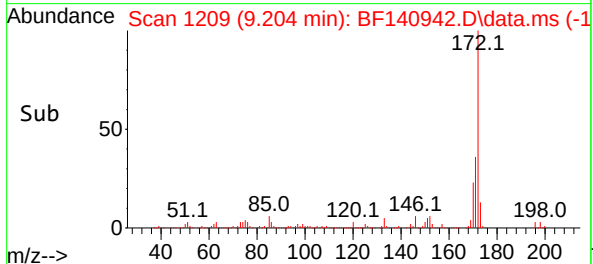
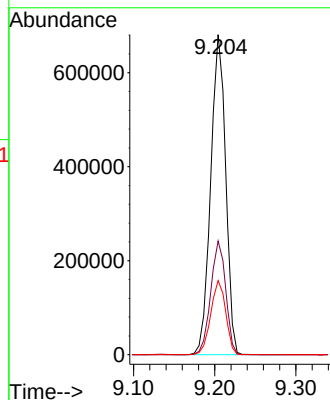
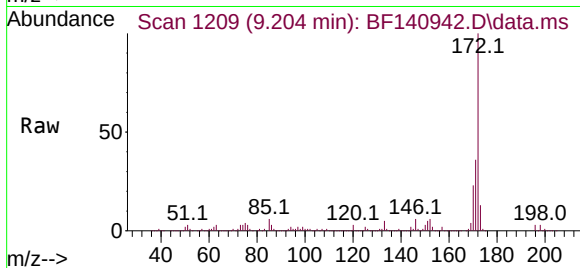
172 100

171 35.6 28.4 42.6

170 23.2 18.6 28.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

#46

1,1'-Biphenyl

Concen: 37.480 ng

RT: 9.310 min Scan# 1227

Delta R.T. 0.006 min

Lab File: BF140942.D

Acq: 20 Dec 2024 11:15

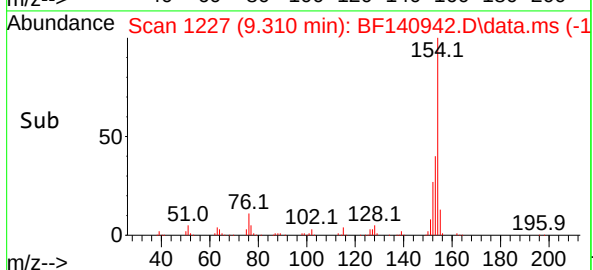
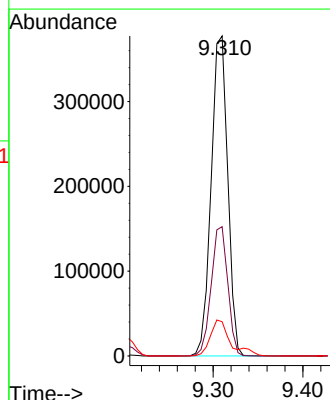
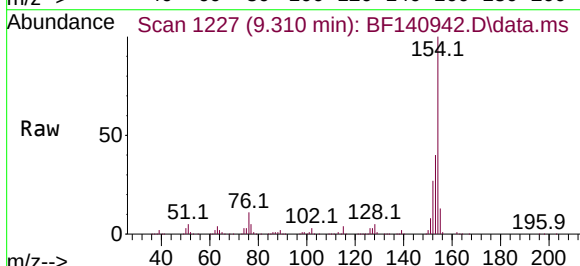
Tgt Ion:154 Resp: 483766

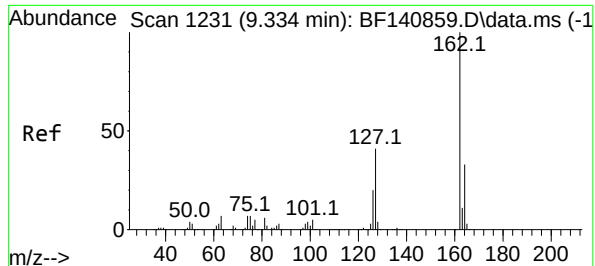
Ion Ratio Lower Upper

154 100

153 40.4 20.8 60.8

76 10.7 0.0 31.0





#47

2-Chloronaphthalene

Concen: 37.889 ng

RT: 9.334 min Scan# 1231

Delta R.T. -0.000 min

Lab File: BF140942.D

Acq: 20 Dec 2024 11:15

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:162 Resp: 374124

Ion Ratio Lower Upper

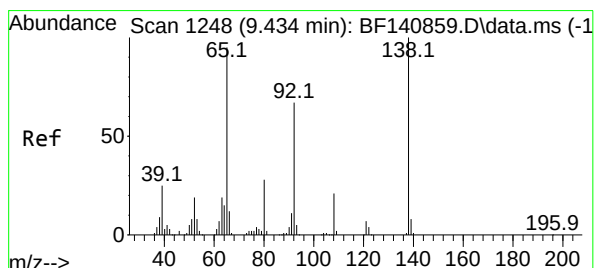
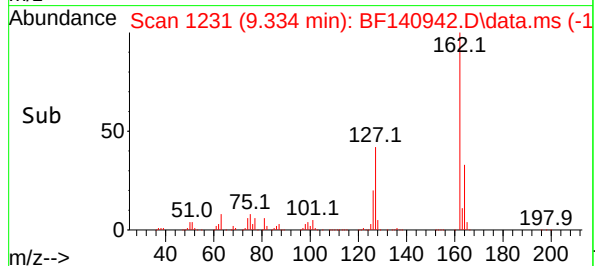
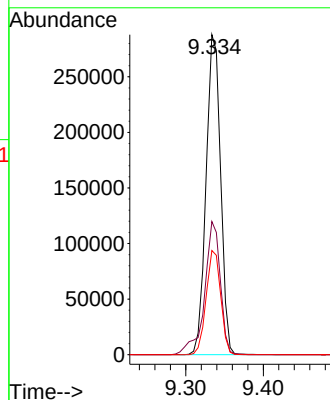
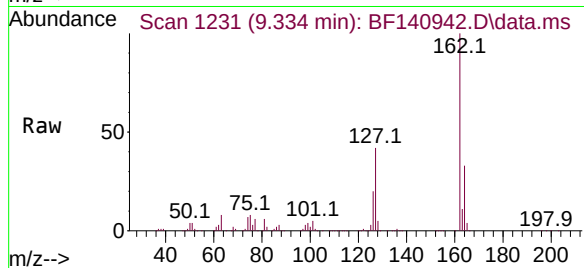
162 100

127 41.6 33.5 50.3

164 32.5 26.2 39.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

#48

2-Nitroaniline

Concen: 35.406 ng

RT: 9.439 min Scan# 1249

Delta R.T. 0.006 min

Lab File: BF140942.D

Acq: 20 Dec 2024 11:15

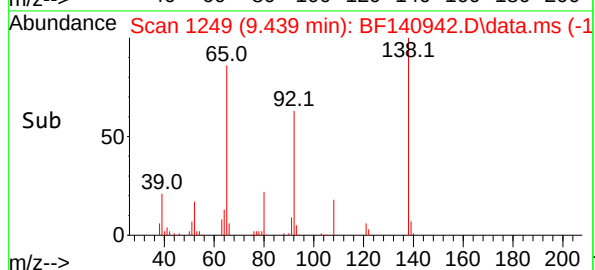
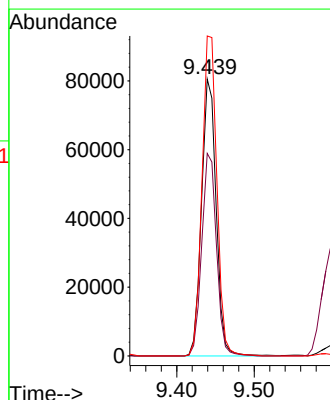
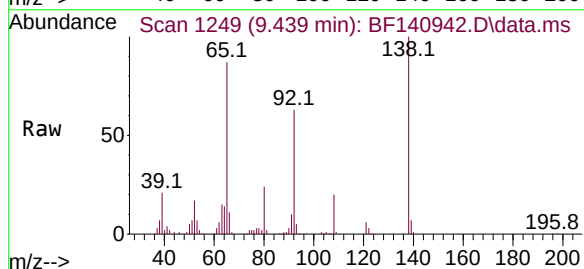
Tgt Ion: 65 Resp: 105588

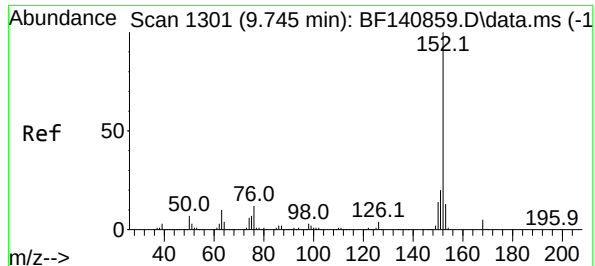
Ion Ratio Lower Upper

65 100

92 73.1 56.3 84.5

138 115.5 83.8 125.6





#49

Acenaphthylene

Concen: 38.943 ng

RT: 9.751 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF140942.D

Acq: 20 Dec 2024 11:15

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:152 Resp: 56510

Ion Ratio Lower Upper

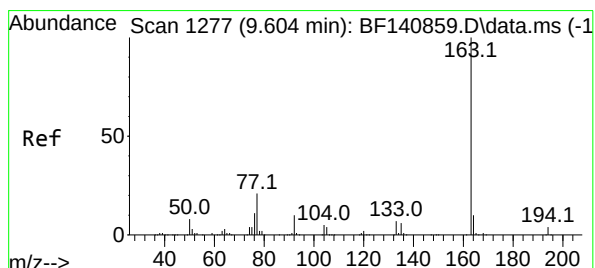
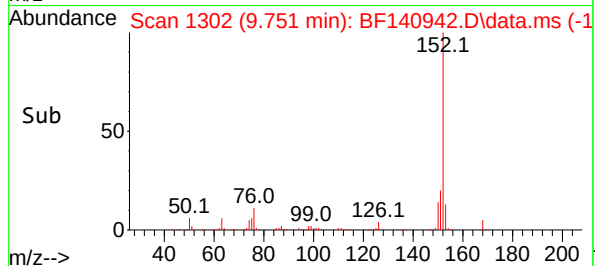
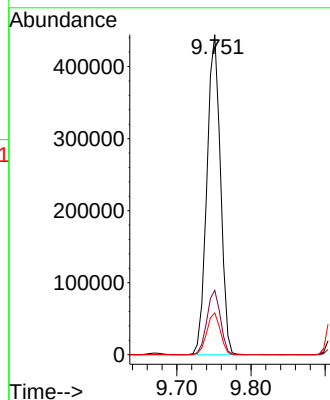
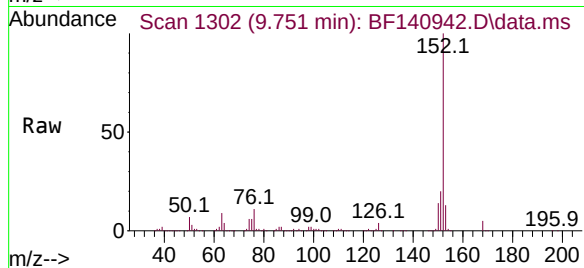
152 100

151 20.1 16.0 24.0

153 13.0 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

#50

Dimethylphthalate

Concen: 37.159 ng

RT: 9.604 min Scan# 1277

Delta R.T. -0.000 min

Lab File: BF140942.D

Acq: 20 Dec 2024 11:15

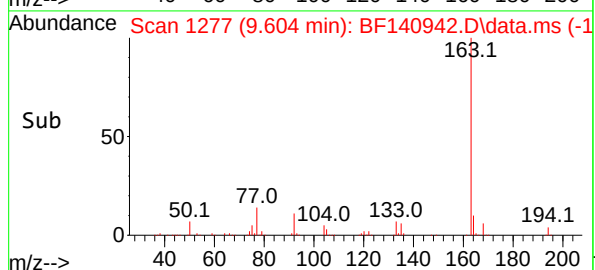
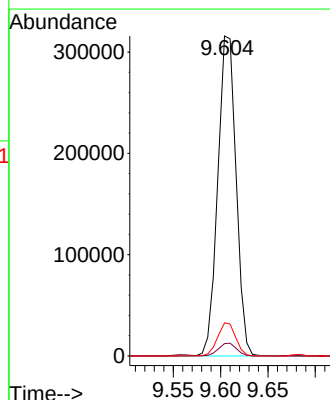
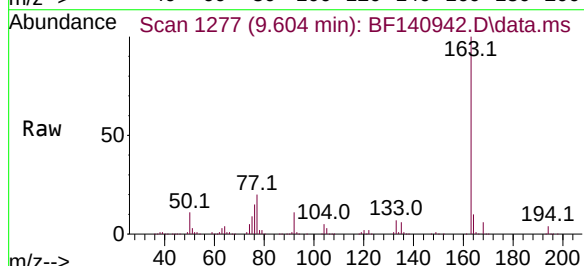
Tgt Ion:163 Resp: 425243

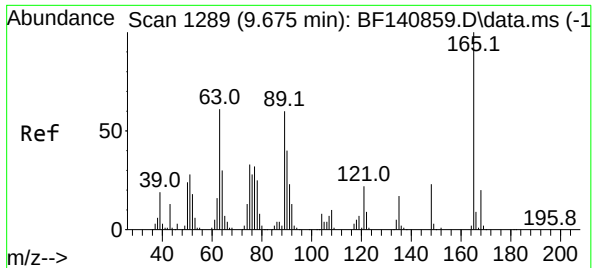
Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

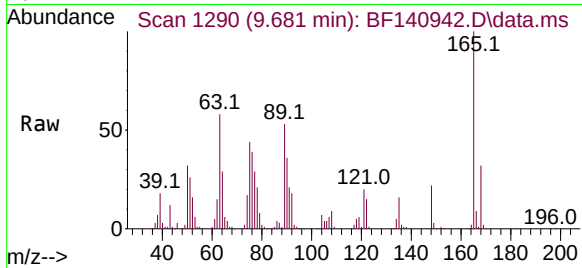
164 10.3 8.1 12.1





#51
2,6-Dinitrotoluene
Concen: 39.451 ng
RT: 9.681 min Scan# 1289
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

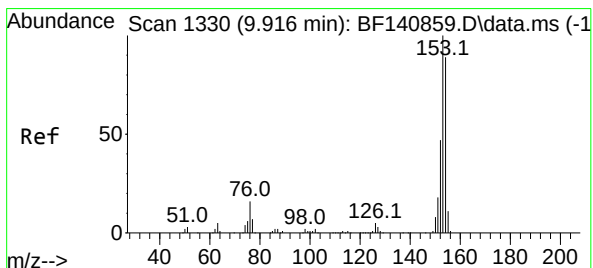
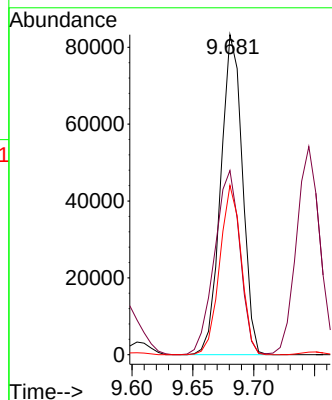
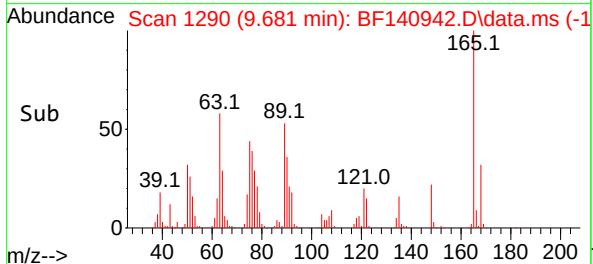
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:165 Resp: 103210
Ion Ratio Lower Upper
165 100
63 57.5 49.7 74.5
89 52.9 48.2 72.4

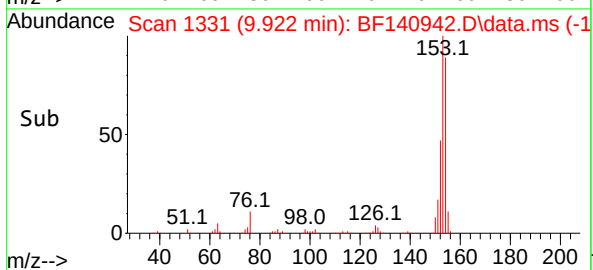
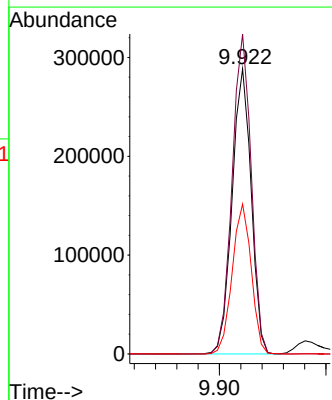
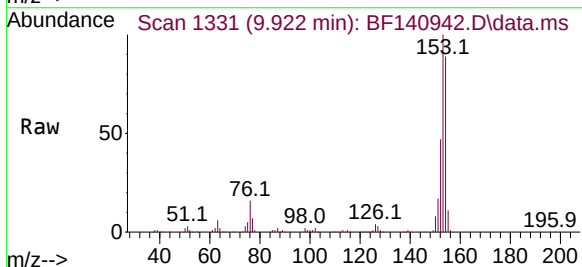
Manual Integrations
APPROVED

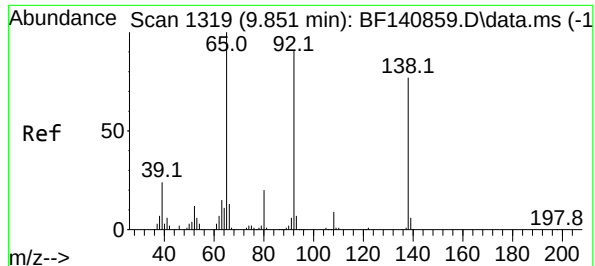
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#52
Acenaphthene
Concen: 38.772 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:154 Resp: 359395
Ion Ratio Lower Upper
154 100
153 112.1 89.9 134.9
152 52.6 42.6 63.8





#53

3-Nitroaniline

Concen: 39.535 ng

RT: 9.857 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF140942.D

Acq: 20 Dec 2024 11:15

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:138 Resp: 10264

Ion Ratio Lower Upper

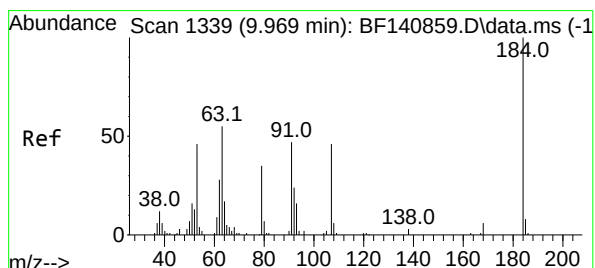
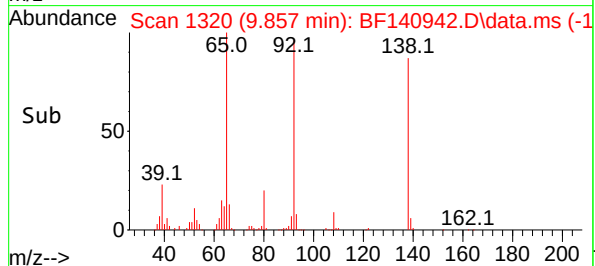
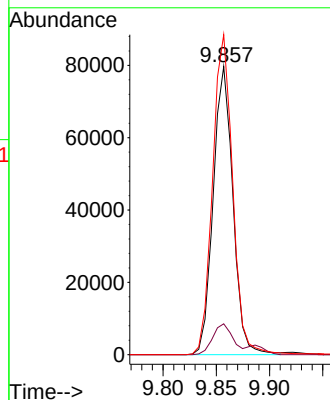
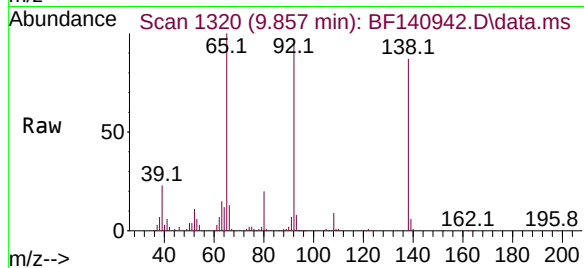
138 100

108 10.7 9.0 13.4

92 111.0 95.5 143.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

#54

2,4-Dinitrophenol

Concen: 36.272 ng

RT: 9.981 min Scan# 1341

Delta R.T. 0.012 min

Lab File: BF140942.D

Acq: 20 Dec 2024 11:15

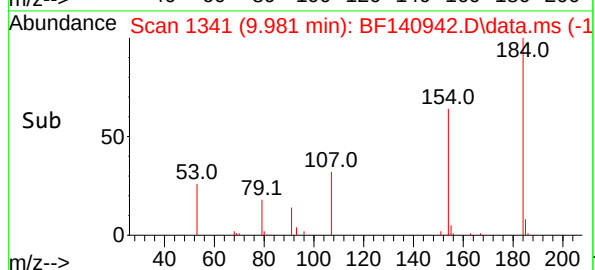
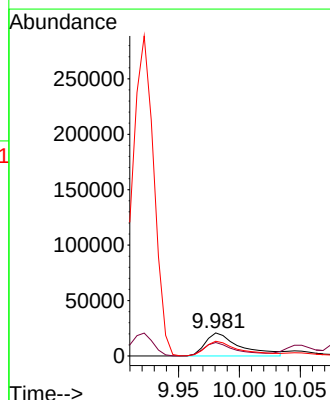
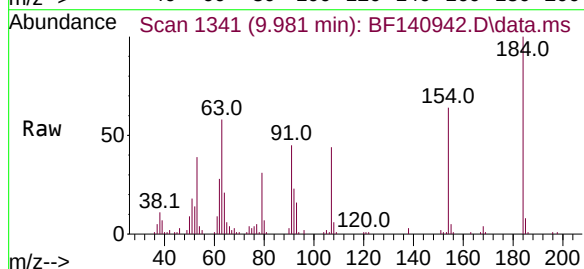
Tgt Ion:184 Resp: 41330

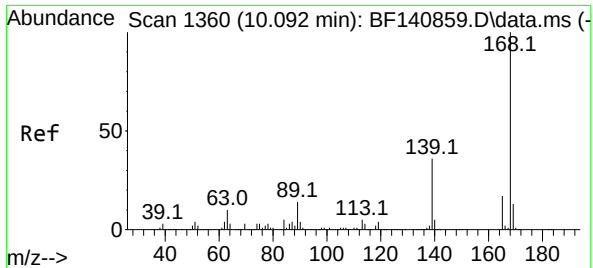
Ion Ratio Lower Upper

184 100

63 58.3 51.6 77.4

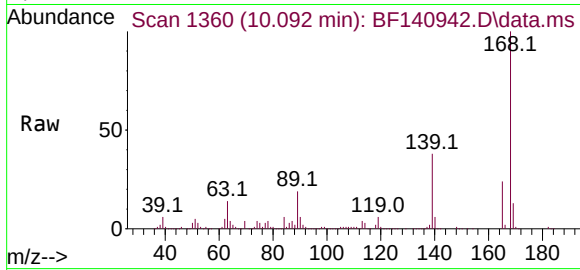
154 64.1 56.1 84.1





#55
Dibenzenofuran
Concen: 38.012 ng
RT: 10.092 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

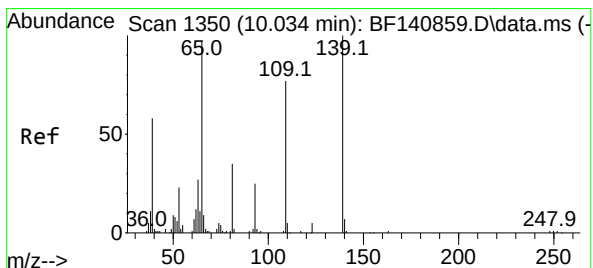
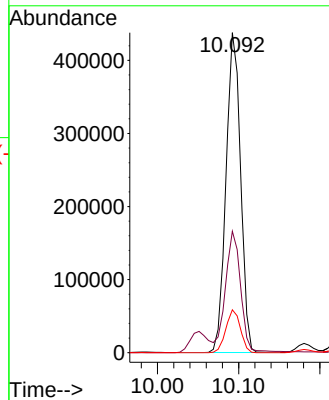
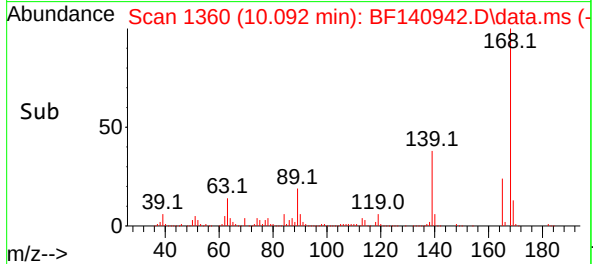
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:168 Resp: 545970
Ion Ratio Lower Upper
168 100
139 38.0 31.1 46.7
169 13.4 10.6 16.0

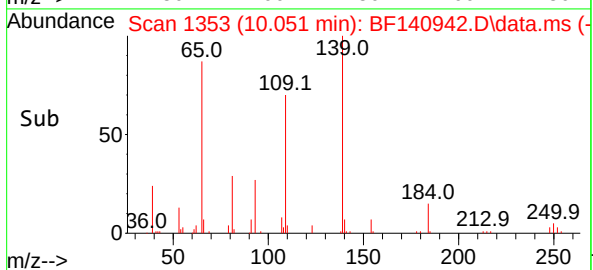
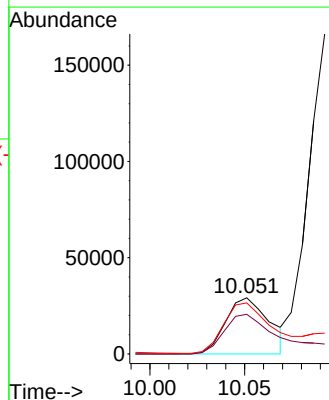
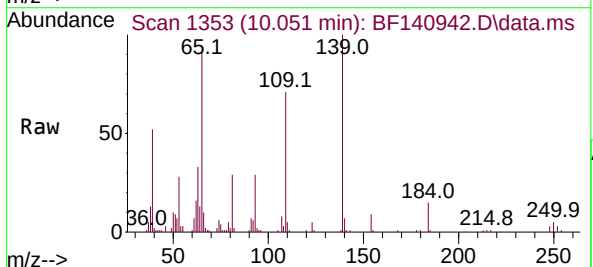
Manual Integrations
APPROVED

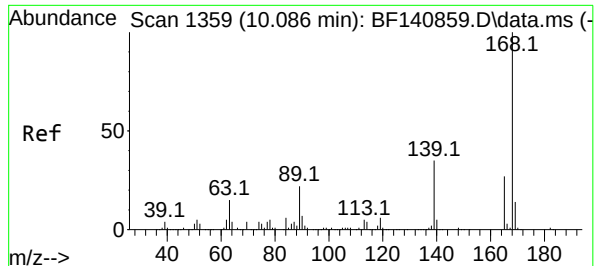
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#56
4-Nitrophenol
Concen: 35.773 ng
RT: 10.051 min Scan# 1353
Delta R.T. 0.017 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:139 Resp: 46328
Ion Ratio Lower Upper
139 100
109 70.9 56.7 96.7
65 91.1 78.1 118.1





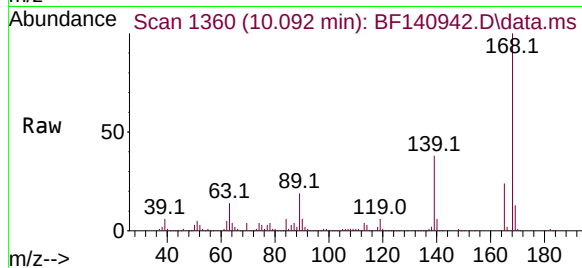
#57
2,4-Dinitrotoluene
Concen: 38.516 ng
RT: 10.092 min Scan# 1359
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

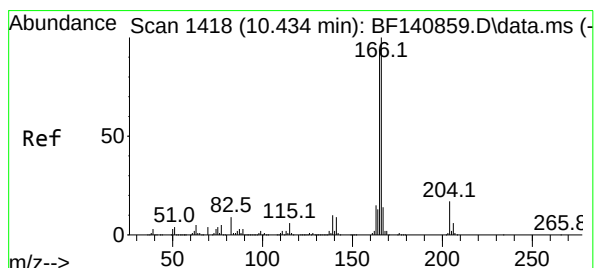
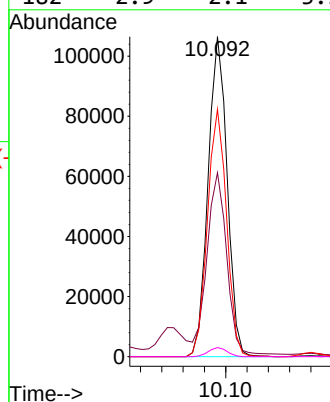
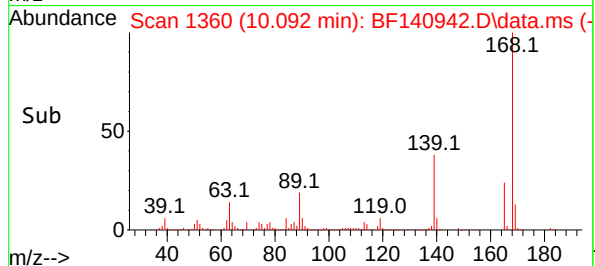


Tgt Ion:165 Resp: 132579
Ion Ratio Lower Upper
165 100
63 57.5 49.3 73.9
89 77.3 66.2 99.4
182 2.9 2.1 3.1

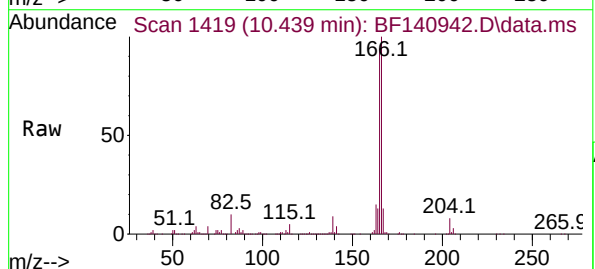
Manual Integrations

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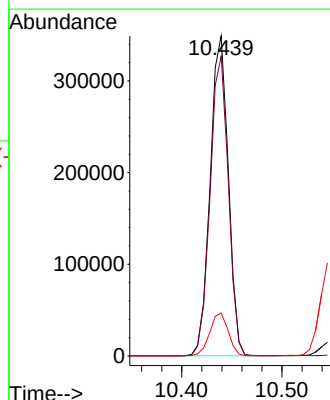
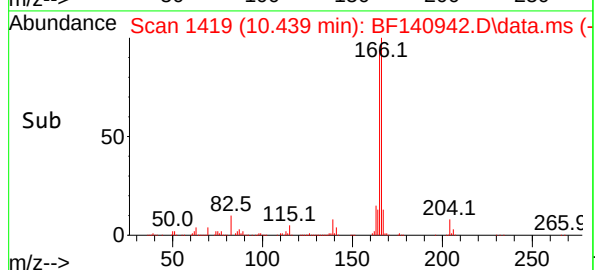
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

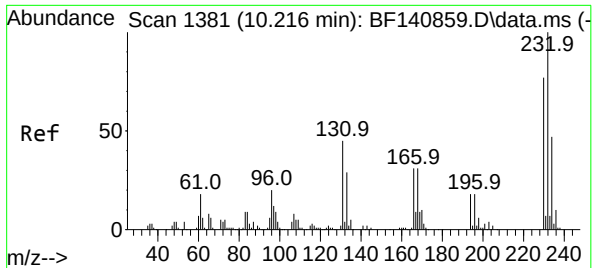


#58
Fluorene
Concen: 37.139 ng
RT: 10.439 min Scan# 1419
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15



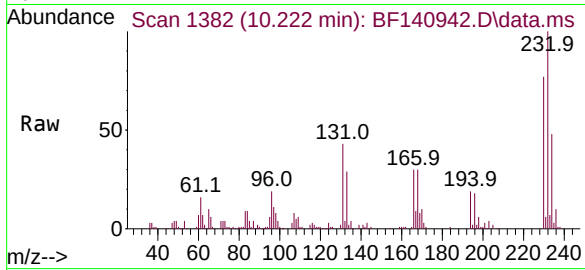
Tgt Ion:166 Resp: 440079
Ion Ratio Lower Upper
166 100
165 93.7 75.1 112.7
167 13.5 11.1 16.7





#59
2,3,4,6-Tetrachlorophenol
Concen: 37.214 ng
RT: 10.222 min Scan# 1382
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

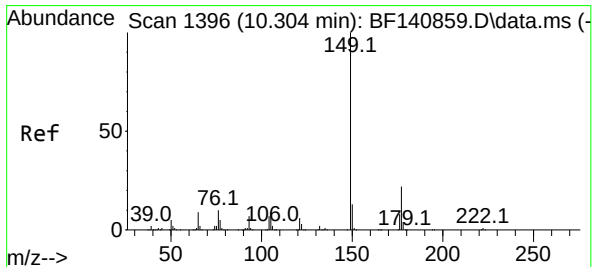
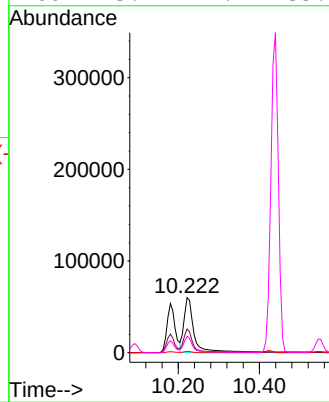
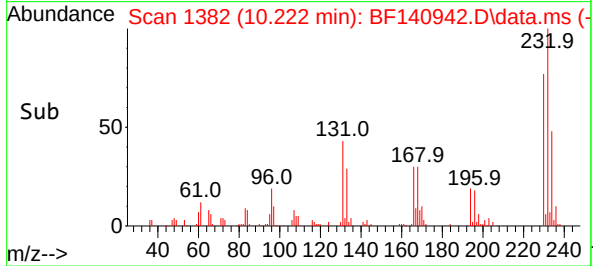
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:232 Resp: 101821
Ion Ratio Lower Upper
232 100
131 37.8 35.1 52.7
130 1.9 1.8 2.8
166 23.9 22.4 33.6

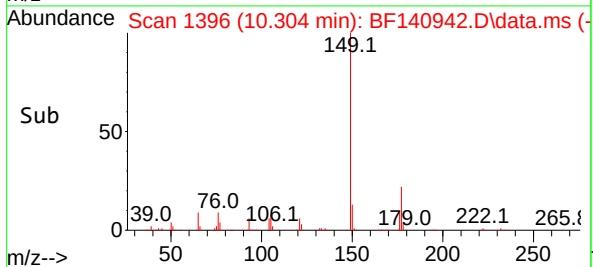
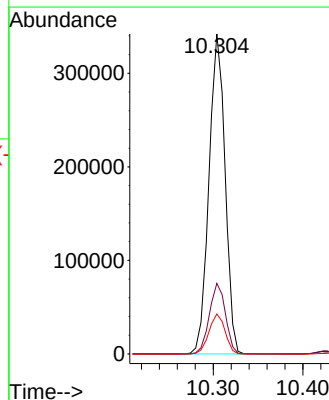
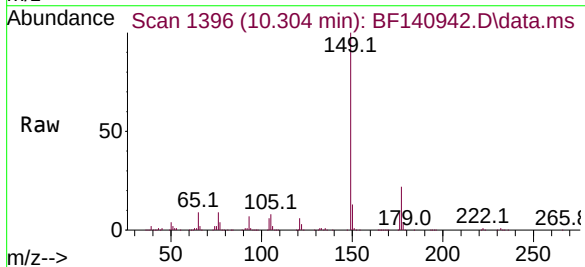
Manual Integrations
APPROVED

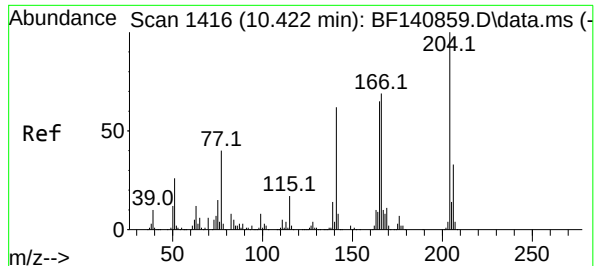
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#60
Diethylphthalate
Concen: 35.936 ng
RT: 10.304 min Scan# 1396
Delta R.T. -0.000 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

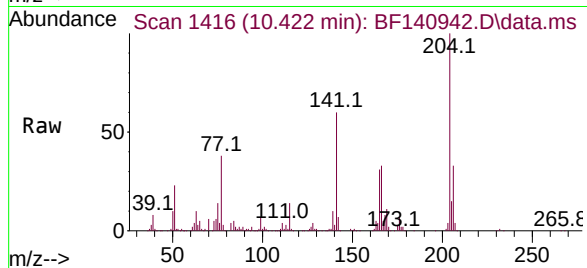
Tgt Ion:149 Resp: 426443
Ion Ratio Lower Upper
149 100
177 22.0 17.2 25.8
150 12.5 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 37.200 ng
RT: 10.422 min Scan# 1416
Delta R.T. -0.000 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

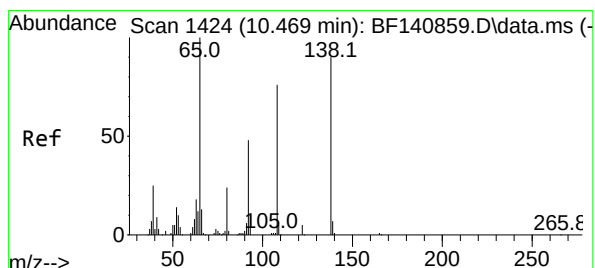
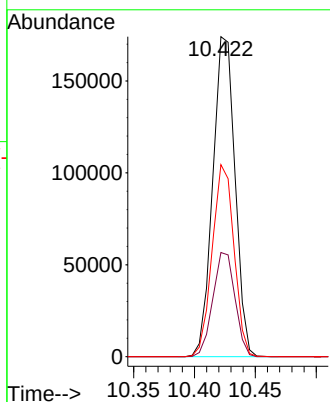
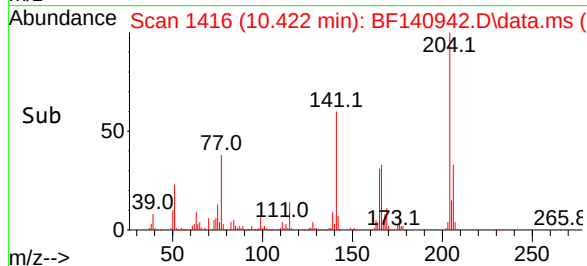
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:204 Resp: 221428
Ion Ratio Lower Upper
204 100
206 32.5 26.5 39.7
141 60.0 50.0 75.0

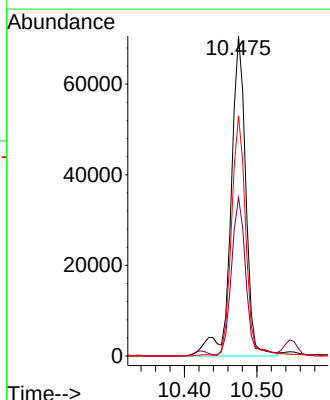
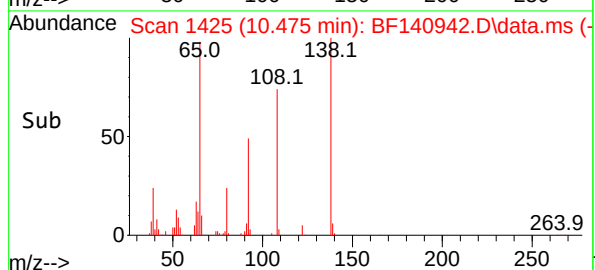
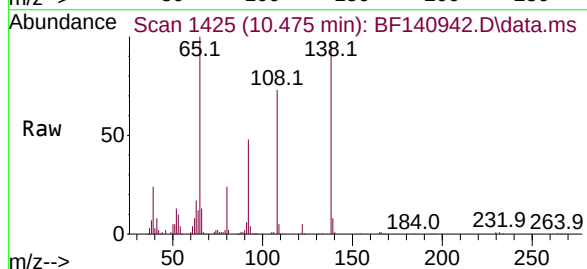
Manual Integrations
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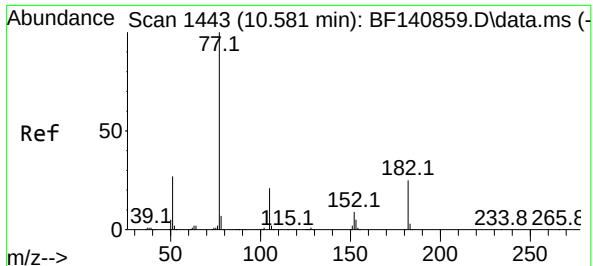
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#62
4-Nitroaniline
Concen: 37.076 ng m
RT: 10.475 min Scan# 1425
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

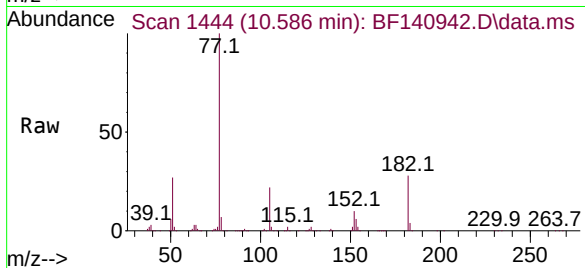
Tgt Ion:138 Resp: 100590
Ion Ratio Lower Upper
138 100
92 49.6 32.6 72.6
108 75.1 64.1 104.1





#63
Azobenzene
Concen: 34.454 ng
RT: 10.586 min Scan# 1443
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

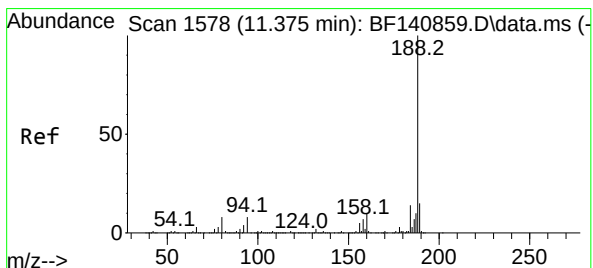
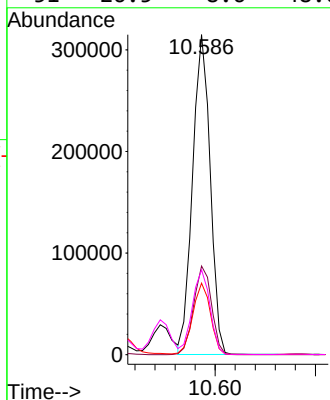
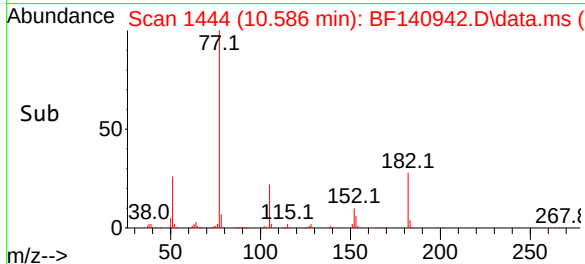
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



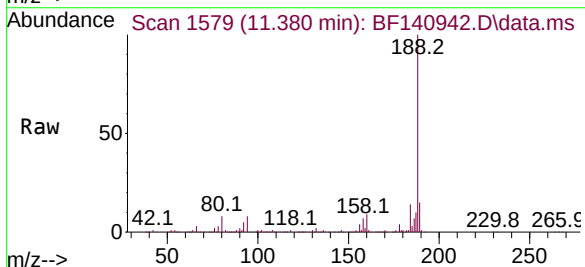
Tgt Ion: 77 Resp: 384375
Ion Ratio Lower Upper
77 100
182 27.7 4.5 44.5
105 22.3 0.9 40.9
51 26.5 8.6 48.6

Manual Integrations
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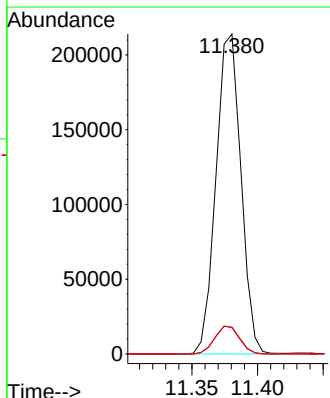
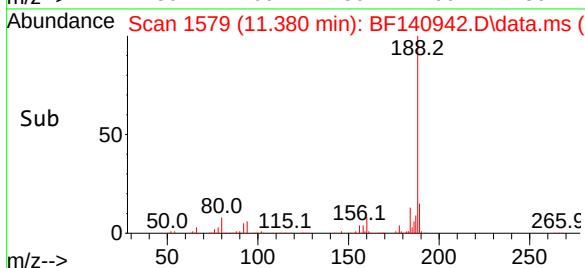
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

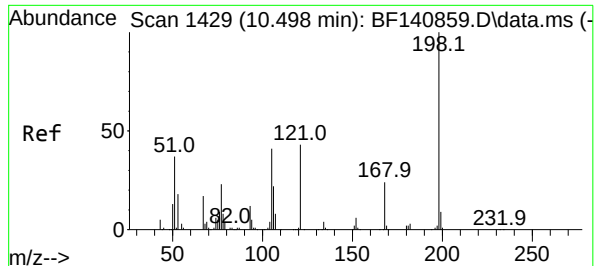


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.380 min Scan# 1579
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15



Tgt Ion:188 Resp: 282660
Ion Ratio Lower Upper
188 100
94 8.2 6.4 9.6
80 8.4 6.8 10.2





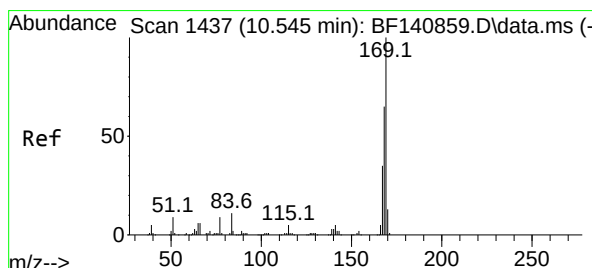
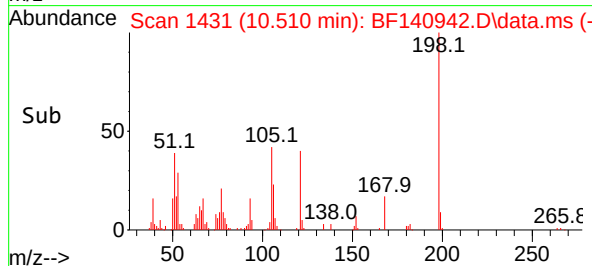
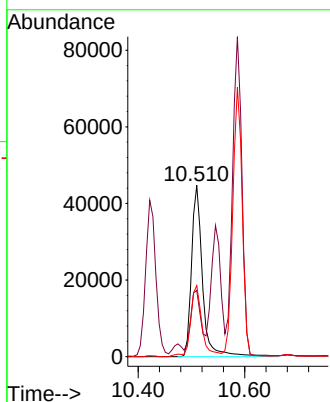
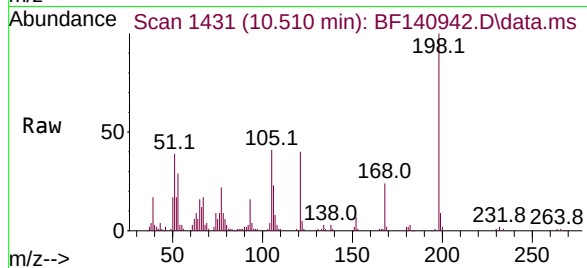
#65
4,6-Dinitro-2-methylphenol
Concen: 40.269 ng
RT: 10.510 min Scan# 1429
Delta R.T. 0.012 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 64495
Ion Ratio Lower Upper
198 100
51 38.7 24.4 64.4
105 41.5 22.1 62.1

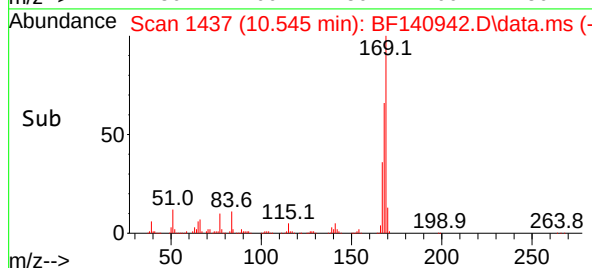
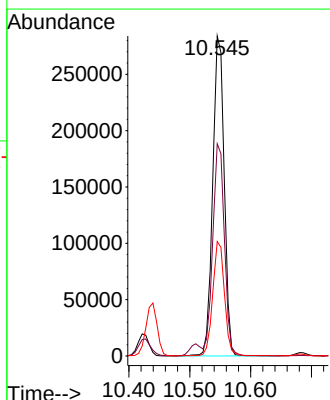
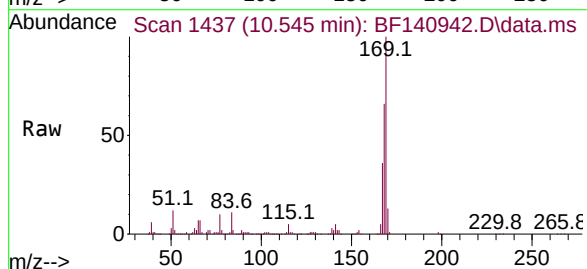
Manual Integrations
APPROVED

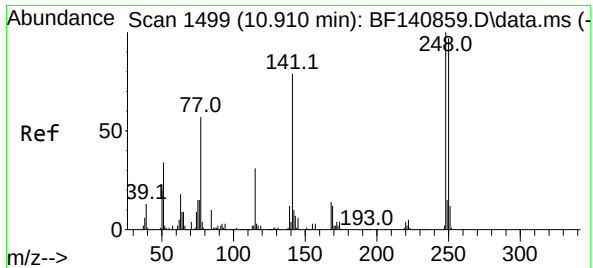
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#66
n-Nitrosodiphenylamine
Concen: 42.748 ng
RT: 10.545 min Scan# 1437
Delta R.T. -0.000 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:169 Resp: 371501
Ion Ratio Lower Upper
169 100
168 66.3 53.4 80.0
167 35.8 28.3 42.5





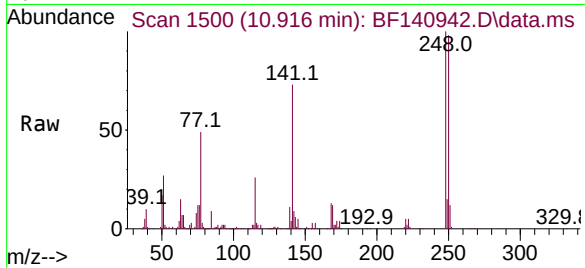
#67
4-Bromophenyl-phenylether
Concen: 41.055 ng
RT: 10.916 min Scan# 1499
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

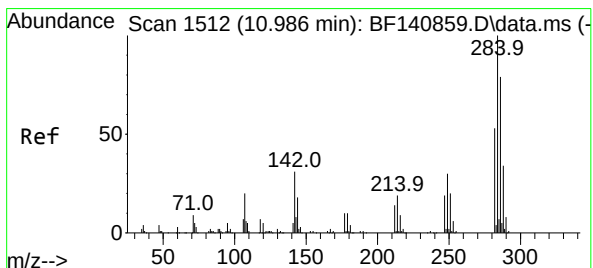
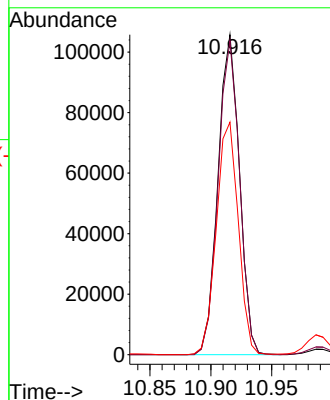
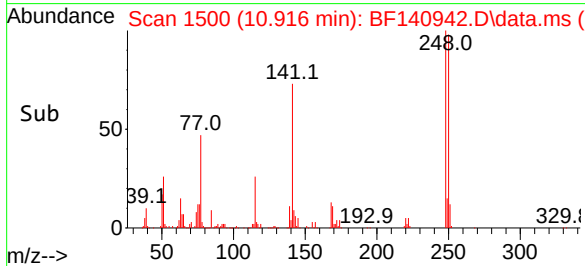


Tgt Ion:248 Resp: 129825
Ion Ratio Lower Upper
248 100
250 98.1 77.4 116.2
141 72.6 62.9 94.3

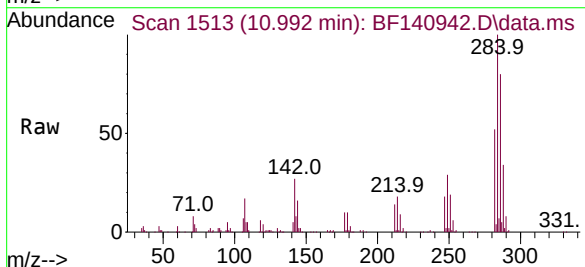
Manual Integrations

APPROVED

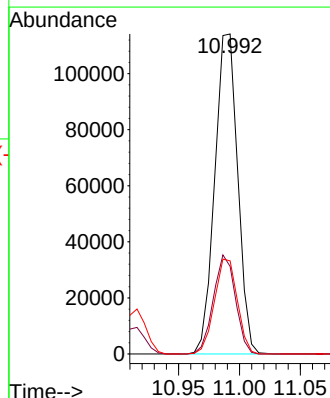
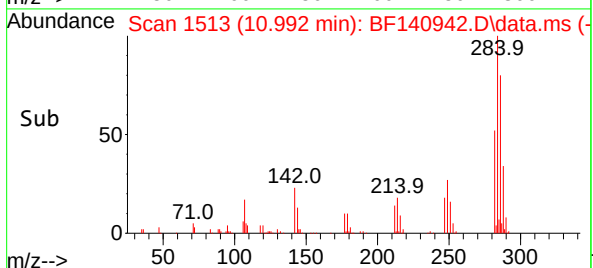
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

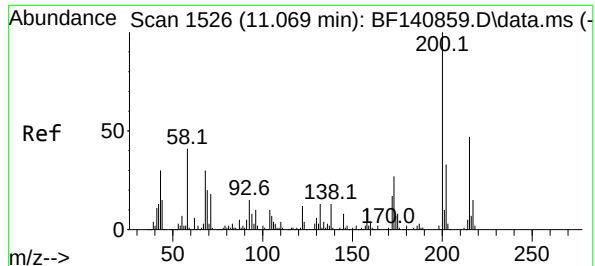


#68
Hexachlorobenzene
Concen: 41.697 ng
RT: 10.992 min Scan# 1513
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15



Tgt Ion:284 Resp: 149493
Ion Ratio Lower Upper
284 100
142 27.4 24.6 36.8
249 29.1 24.3 36.5





#69

Atrazine

Concen: 33.453 ng

RT: 11.075 min Scan# 1526

Delta R.T. 0.006 min

Lab File: BF140942.D

Acq: 20 Dec 2024 11:15

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:200 Resp: 81190

Ion Ratio Lower Upper

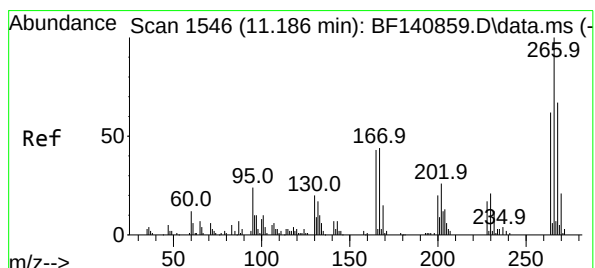
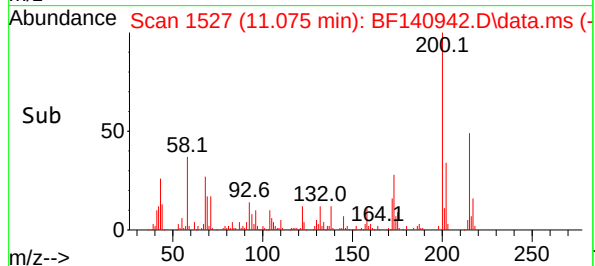
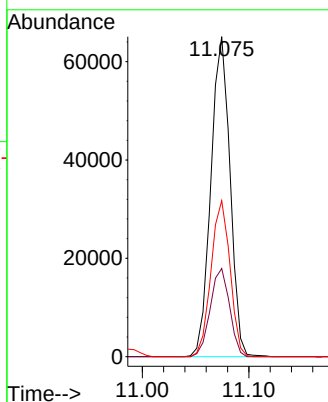
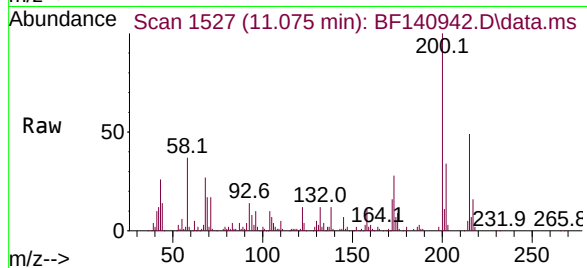
200 100

173 27.6 6.6 46.6

215 48.8 26.7 66.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

#70

Pentachlorophenol

Concen: 33.287 ng

RT: 11.198 min Scan# 1548

Delta R.T. 0.012 min

Lab File: BF140942.D

Acq: 20 Dec 2024 11:15

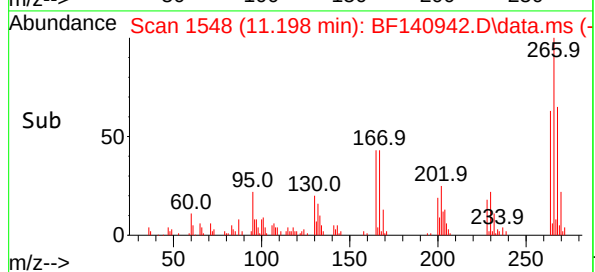
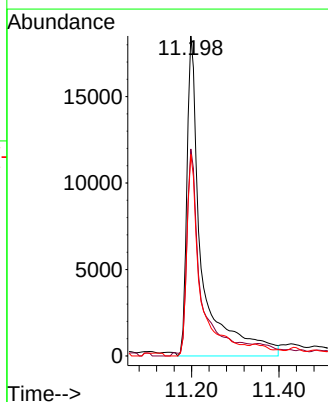
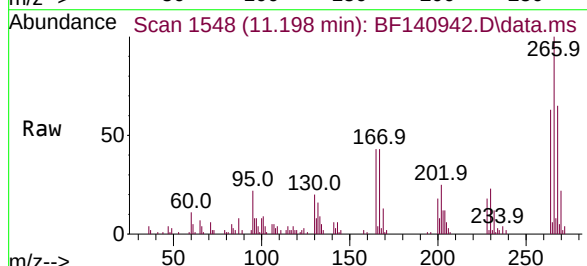
Tgt Ion:266 Resp: 43633

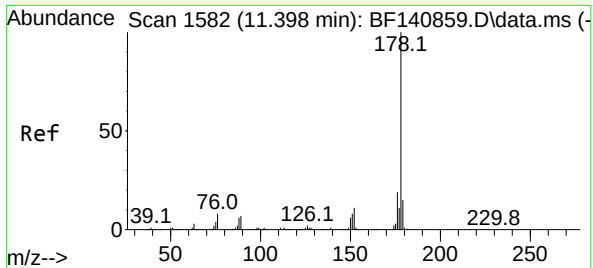
Ion Ratio Lower Upper

266 100

268 64.7 54.0 81.0

264 63.0 49.4 74.2





#71

Phenanthrene

Concen: 38.164 ng

RT: 11.404 min Scan# 1582

Delta R.T. 0.006 min

Lab File: BF140942.D

Acq: 20 Dec 2024 11:15

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:178 Resp: 55474

Ion Ratio Lower Upper

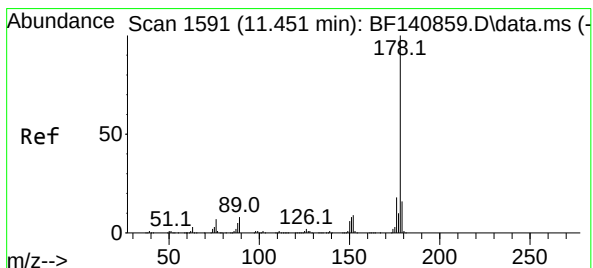
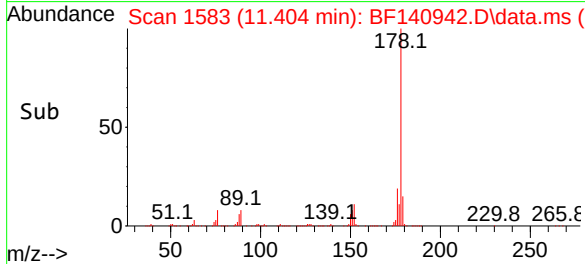
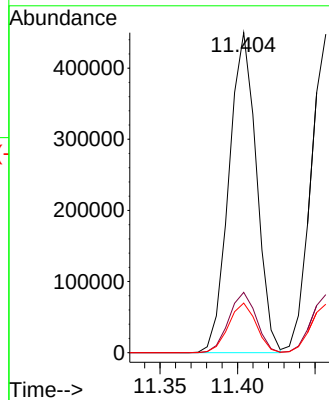
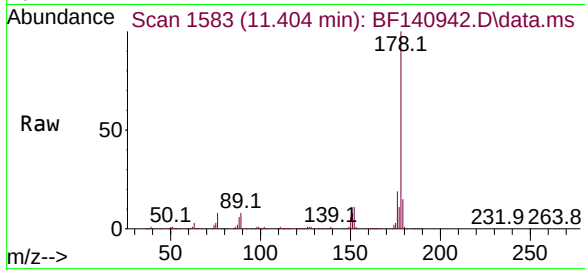
178 100

176 18.8 15.4 23.2

179 15.5 12.1 18.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

#72

Anthracene

Concen: 38.826 ng

RT: 11.457 min Scan# 1592

Delta R.T. 0.006 min

Lab File: BF140942.D

Acq: 20 Dec 2024 11:15

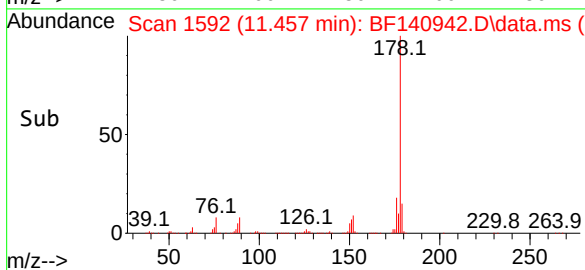
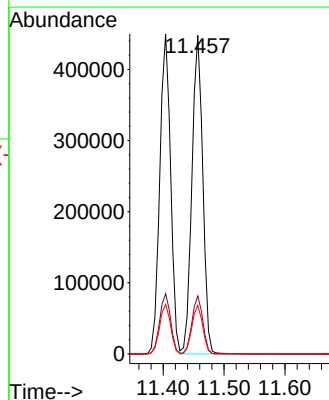
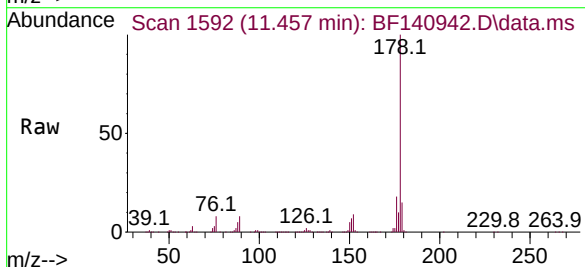
Tgt Ion:178 Resp: 555785

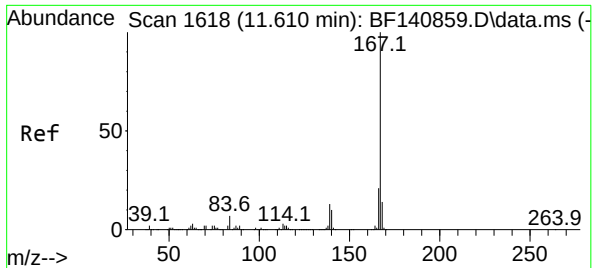
Ion Ratio Lower Upper

178 100

176 18.2 14.6 22.0

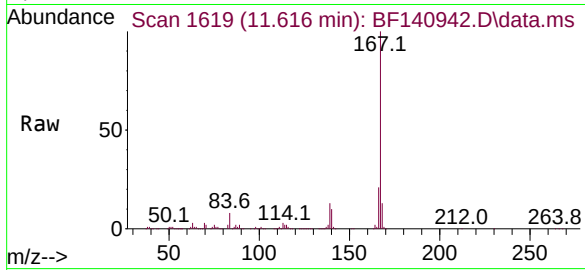
179 15.2 12.6 18.8





#73
 Carbazole
 Concen: 38.449 ng
 RT: 11.616 min Scan# 1618
 Delta R.T. 0.006 min
 Lab File: BF140942.D
 Acq: 20 Dec 2024 11:15

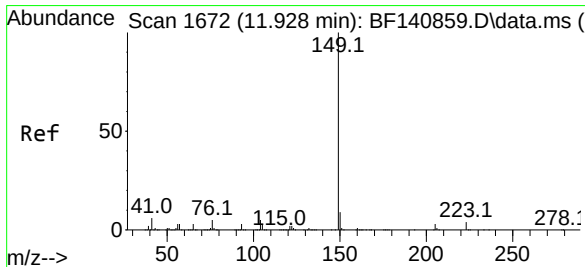
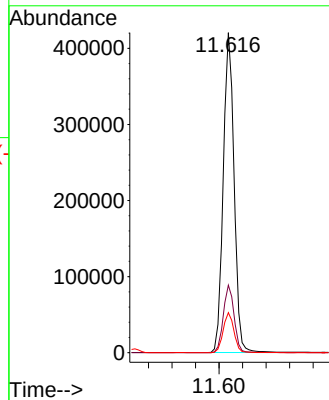
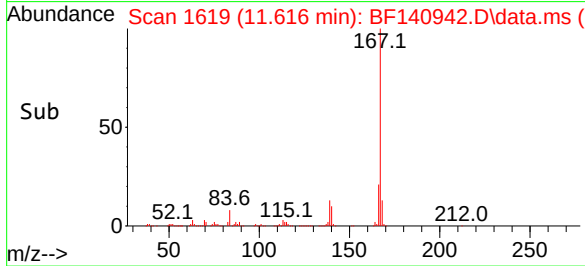
Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040



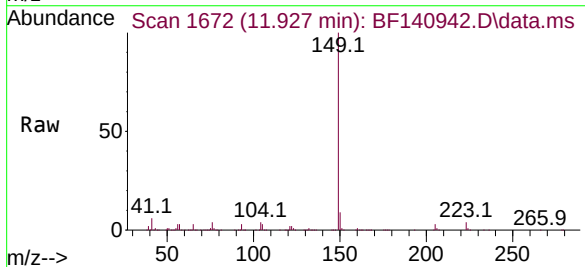
Tgt Ion:167 Resp: 539092
 Ion Ratio Lower Upper
 167 100
 166 21.1 17.0 25.6
 139 12.5 10.2 15.2

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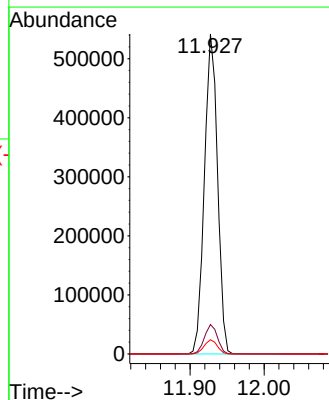
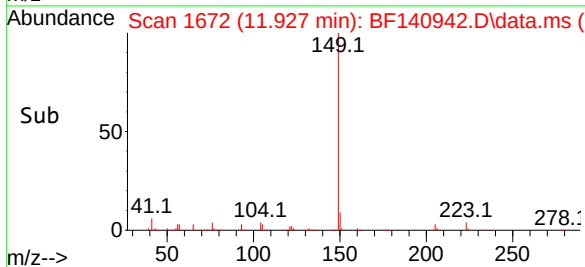
Reviewed By :Jagrut Upadhyay 12/23/2024
 Supervised By :mohammad ahmed 12/24/2024

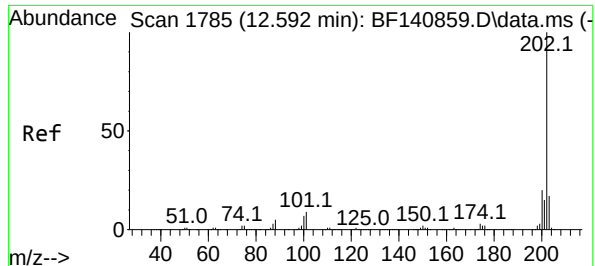


#74
 Di-n-butylphthalate
 Concen: 40.470 ng
 RT: 11.927 min Scan# 1672
 Delta R.T. -0.000 min
 Lab File: BF140942.D
 Acq: 20 Dec 2024 11:15



Tgt Ion:149 Resp: 665945
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.5 11.3
 104 4.5 3.8 5.8





#75

Fluoranthene

Concen: 36.586 ng

RT: 12.598 min Scan# 1785

Delta R.T. 0.006 min

Lab File: BF140942.D

Acq: 20 Dec 2024 11:15

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:202 Resp: 612458

Ion Ratio Lower Upper

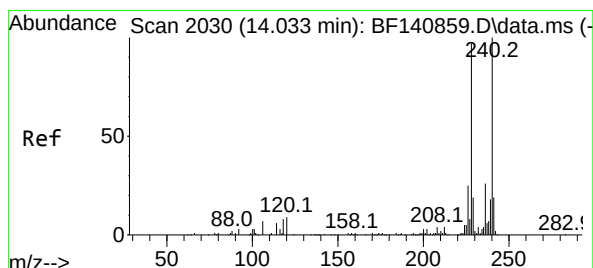
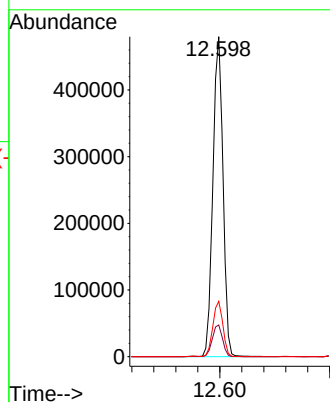
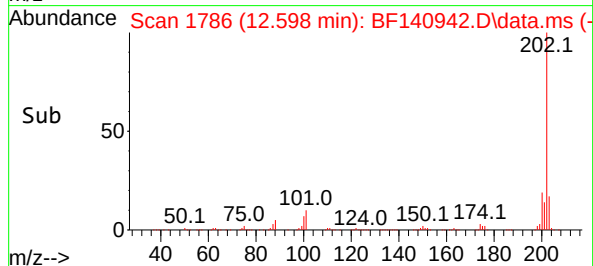
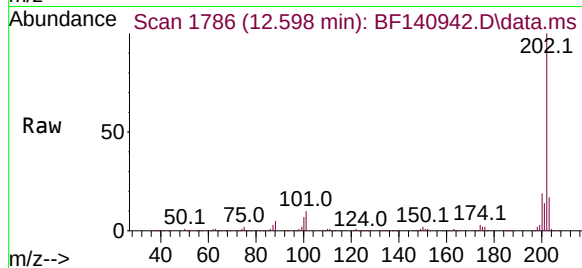
202 100

101 9.9 0.0 29.3

203 17.3 0.0 37.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2030

Delta R.T. -0.000 min

Lab File: BF140942.D

Acq: 20 Dec 2024 11:15

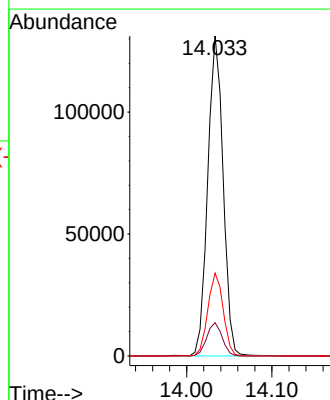
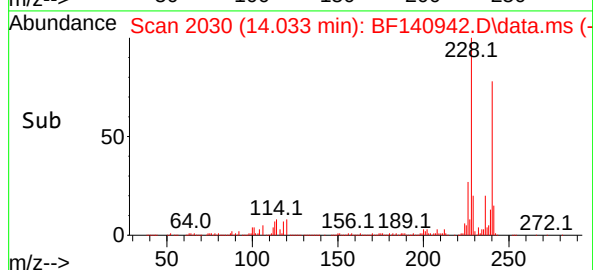
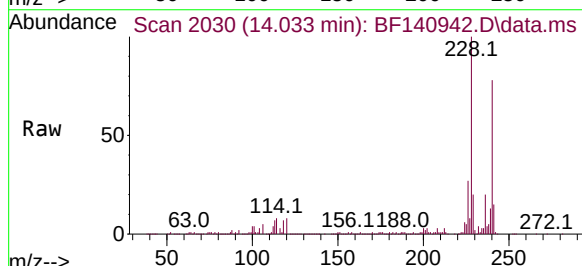
Tgt Ion:240 Resp: 164316

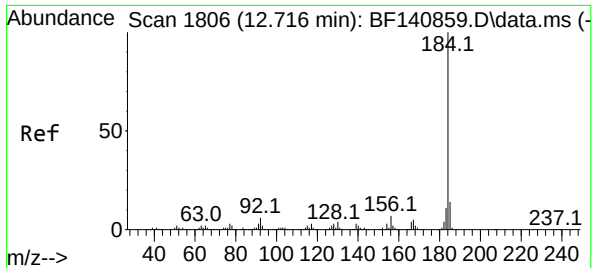
Ion Ratio Lower Upper

240 100

120 10.4 7.6 11.4

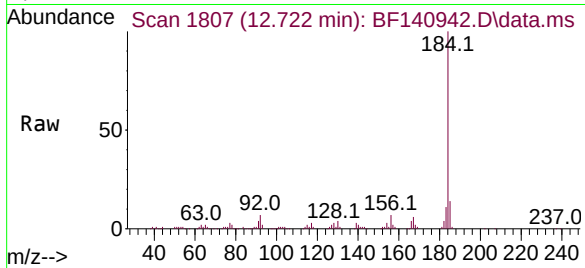
236 25.9 20.5 30.7





#77
Benzidine
Concen: 34.399 ng
RT: 12.722 min Scan# 1807
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

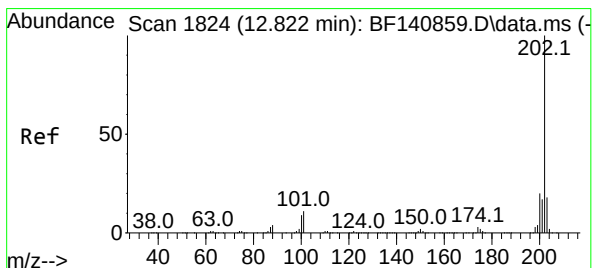
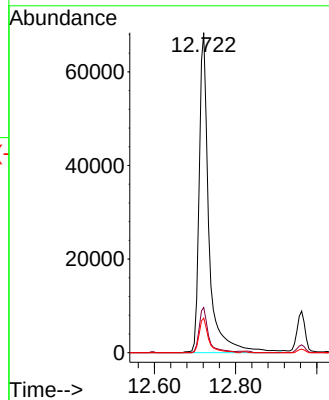
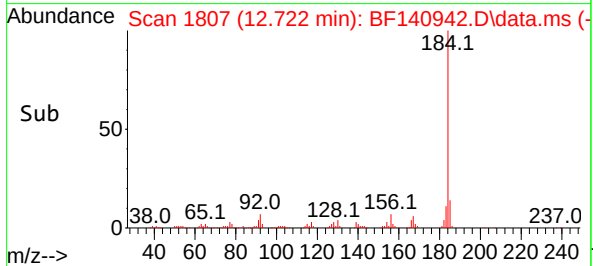
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



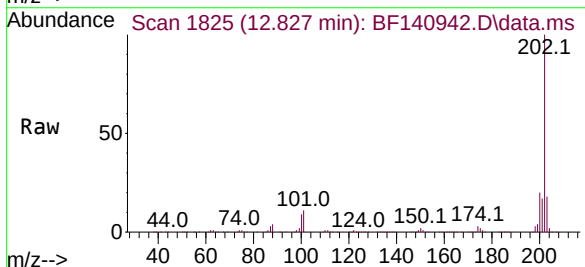
Tgt Ion:184 Resp: 11536
Ion Ratio Lower Upper
184 100
185 14.1 11.1 16.7
183 10.8 9.0 13.4

Manual Integrations
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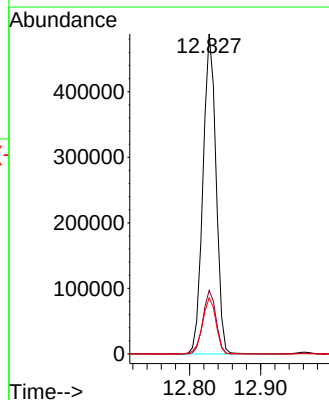
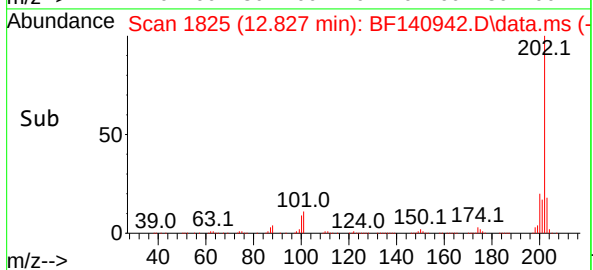
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

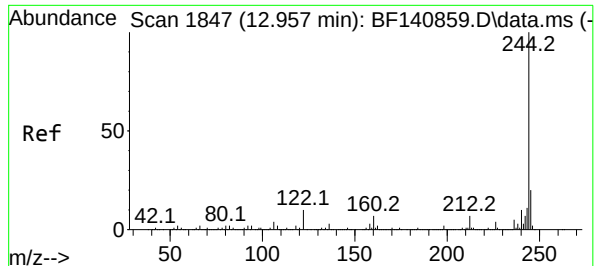


#78
Pyrene
Concen: 42.817 ng
RT: 12.827 min Scan# 1825
Delta R.T. 0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15



Tgt Ion:202 Resp: 625636
Ion Ratio Lower Upper
202 100
200 19.9 16.1 24.1
203 17.6 14.2 21.4





#79

Terphenyl-d14

Concen: 87.865 ng

RT: 12.963 min Scan# 1848

Delta R.T. 0.006 min

Lab File: BF140942.D

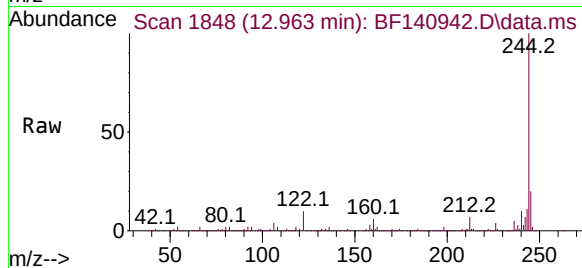
Acq: 20 Dec 2024 11:15

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:244 Resp: 915592

Ion Ratio Lower Upper

244 100

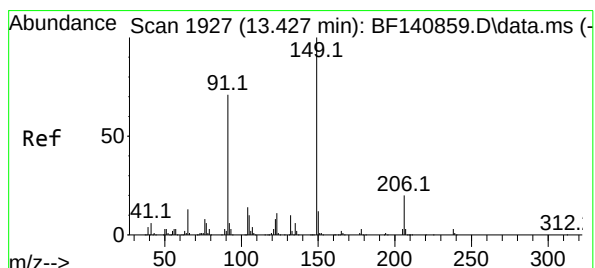
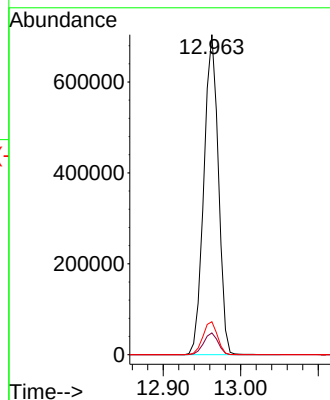
212 6.8 5.6 8.4

122 10.3 8.2 12.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
 Supervised By :mohammad ahmed 12/24/2024



#80

Butylbenzylphthalate

Concen: 38.545 ng

RT: 13.433 min Scan# 1928

Delta R.T. 0.006 min

Lab File: BF140942.D

Acq: 20 Dec 2024 11:15

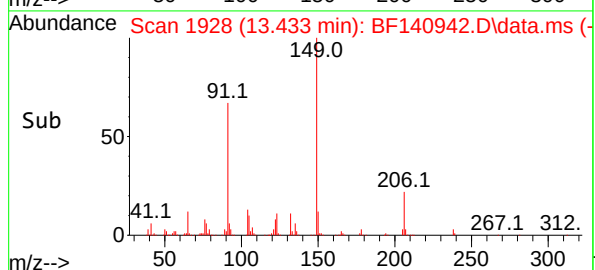
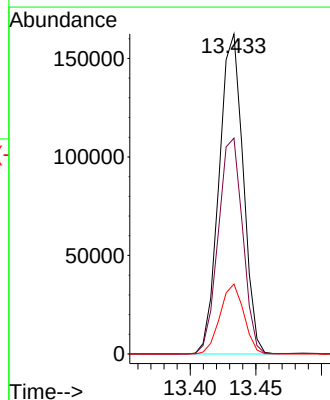
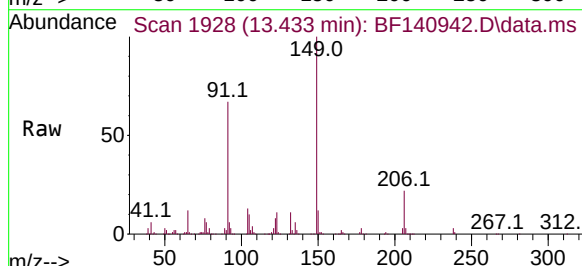
Tgt Ion:149 Resp: 207238

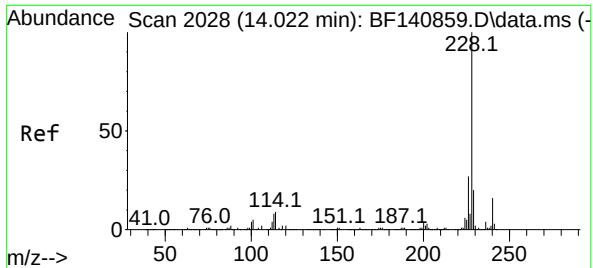
Ion Ratio Lower Upper

149 100

91 67.4 56.7 85.1

206 21.8 16.4 24.6





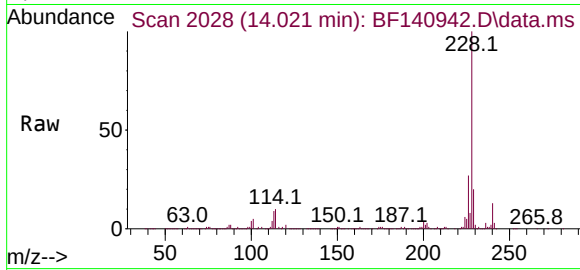
#81
Benzo(a)anthracene
Concen: 38.254 ng
RT: 14.021 min Scan# 2028
Delta R.T. -0.000 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

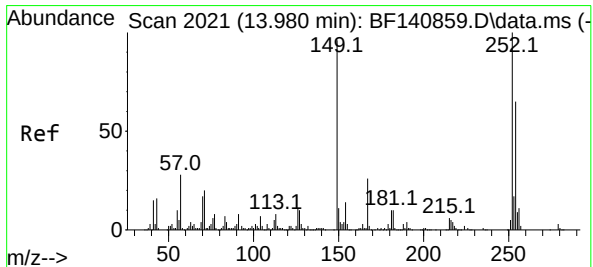
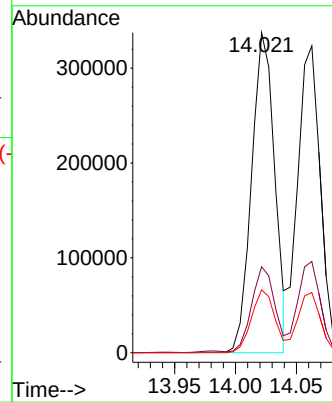
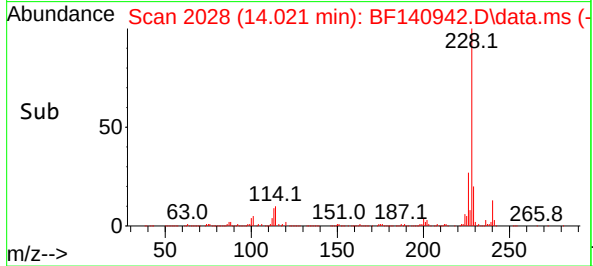


Tgt Ion:228 Resp: 445499
Ion Ratio Lower Upper
228 100
226 26.9 21.8 32.8
229 19.7 15.8 23.8

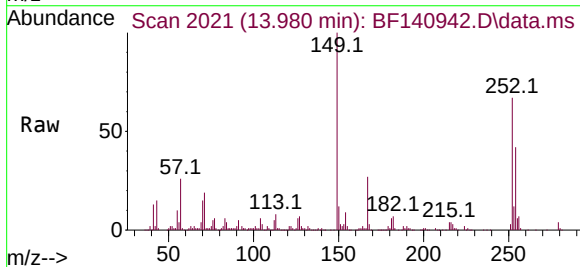
Manual Integrations

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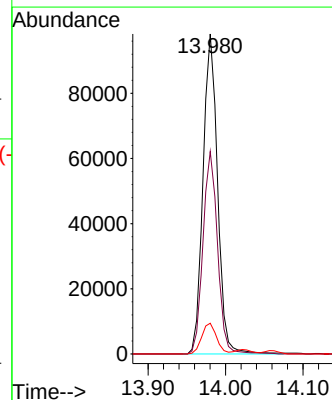
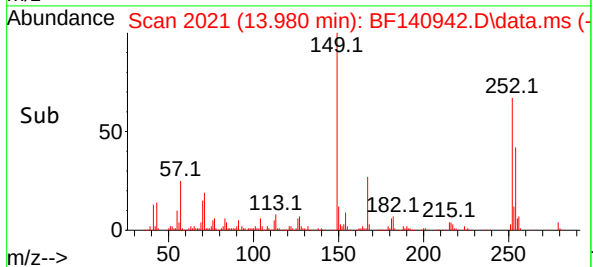
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

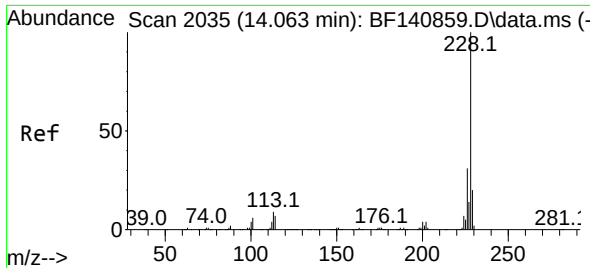


#82
3,3'-Dichlorobenzidine
Concen: 36.483 ng
RT: 13.980 min Scan# 2021
Delta R.T. -0.000 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15



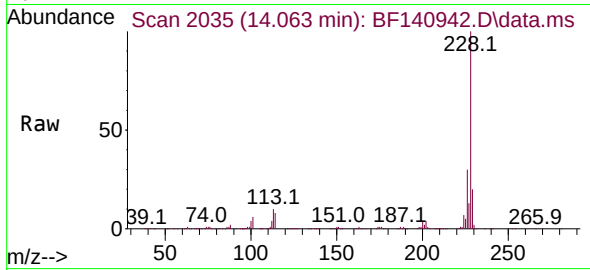
Tgt Ion:252 Resp: 128185
Ion Ratio Lower Upper
252 100
254 63.3 52.3 78.5
126 9.6 8.4 12.6





#83
Chrysene
Concen: 39.695 ng
RT: 14.063 min Scan# 2035
Delta R.T. -0.000 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

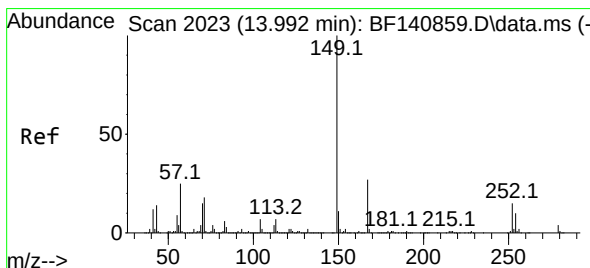
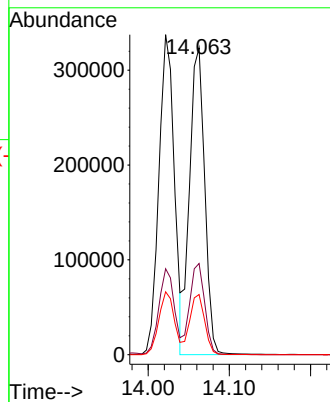
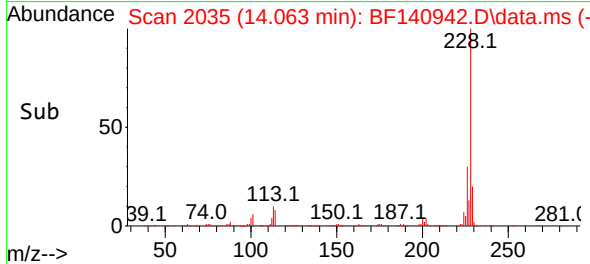
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:228 Resp: 42036
Ion Ratio Lower Upper
228 100
226 29.7 24.1 36.1
229 19.6 16.0 24.0

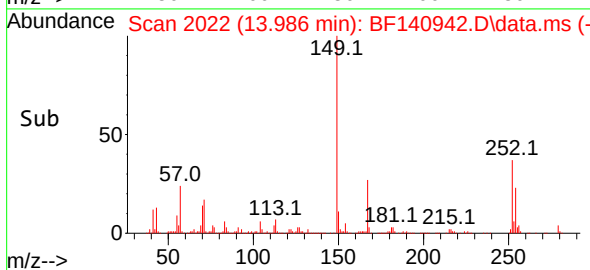
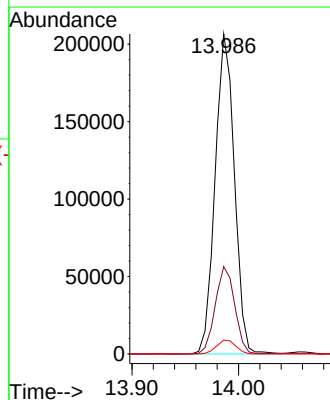
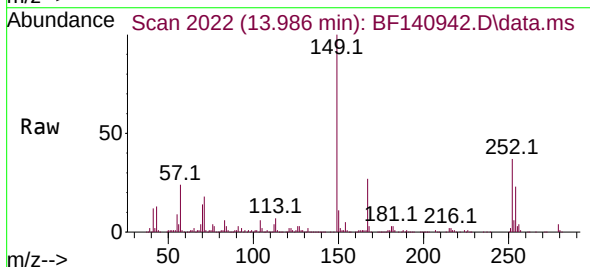
Manual Integrations
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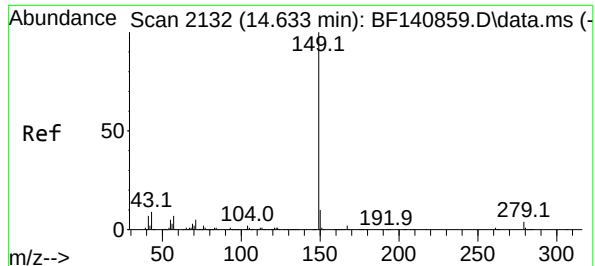
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#84
Bis(2-ethylhexyl)phthalate
Concen: 37.409 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

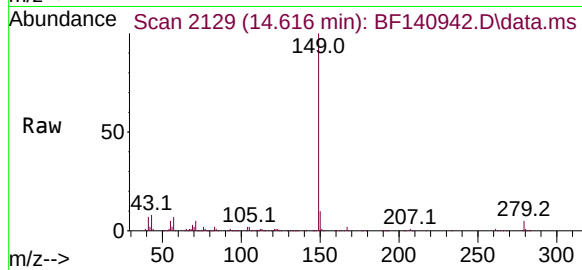
Tgt Ion:149 Resp: 259339
Ion Ratio Lower Upper
149 100
167 27.3 21.8 32.8
279 4.3 3.5 5.3





#85
Di-n-octyl phthalate
Concen: 32.062 ng
RT: 14.616 min Scan# 2132
Delta R.T. -0.018 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

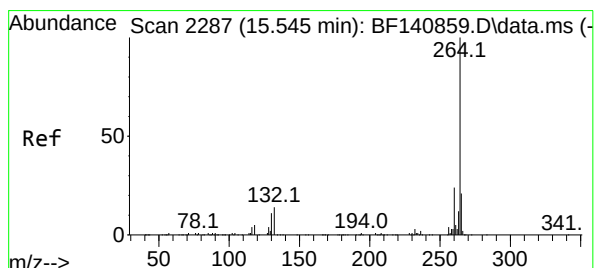
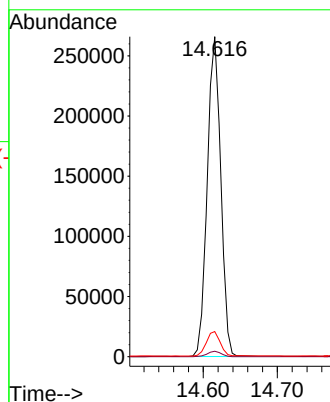
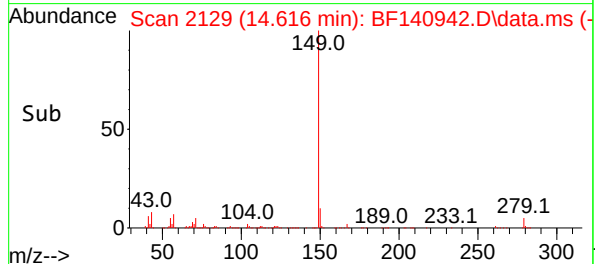
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:149 Resp: 336272
Ion Ratio Lower Upper
149 100
167 1.7 1.3 1.9
43 8.1 7.0 10.6

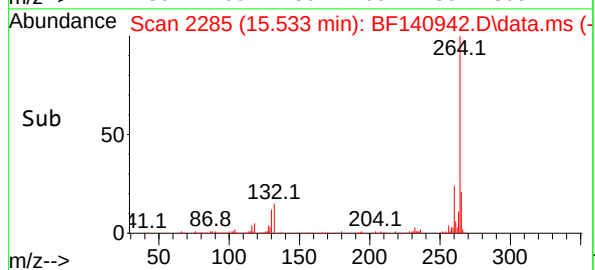
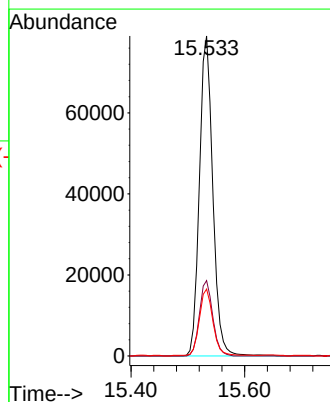
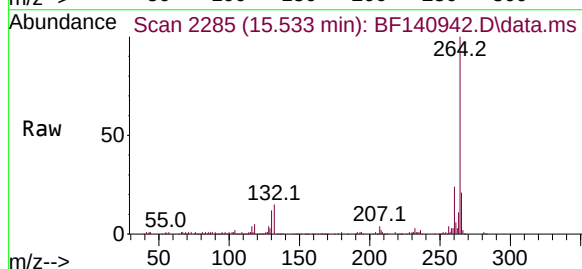
Manual Integrations
APPROVED

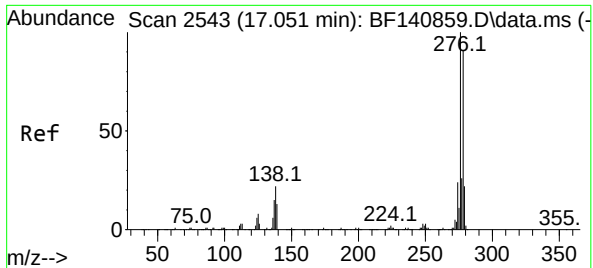
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2285
Delta R.T. -0.012 min
Lab File: BF140942.D
Acq: 20 Dec 2024 11:15

Tgt Ion:264 Resp: 129329
Ion Ratio Lower Upper
264 100
260 23.6 19.1 28.7
265 20.9 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 51.437 ng

RT: 17.051 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF140942.D

Acq: 20 Dec 2024 11:15

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:276 Resp: 41512

Ion Ratio Lower Upper

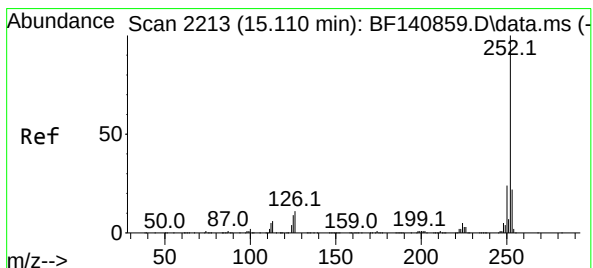
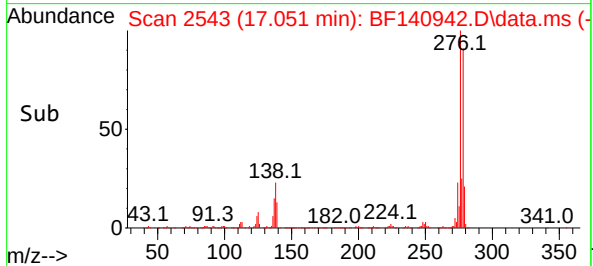
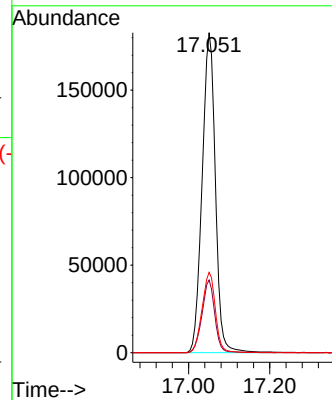
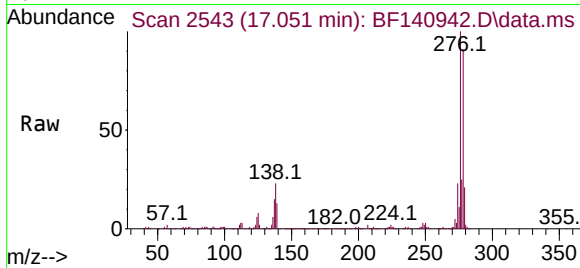
276 100

138 21.8 16.9 25.3

277 25.2 20.2 30.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

#88

Benzo(b)fluoranthene

Concen: 38.004 ng

RT: 15.098 min Scan# 2211

Delta R.T. -0.012 min

Lab File: BF140942.D

Acq: 20 Dec 2024 11:15

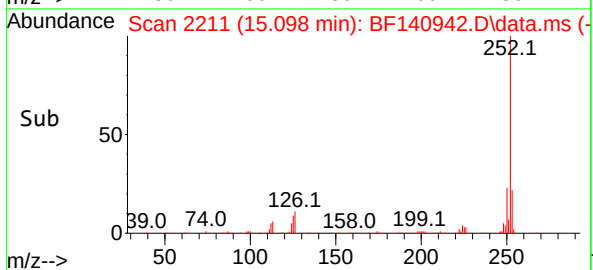
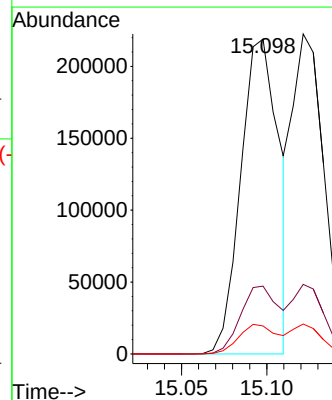
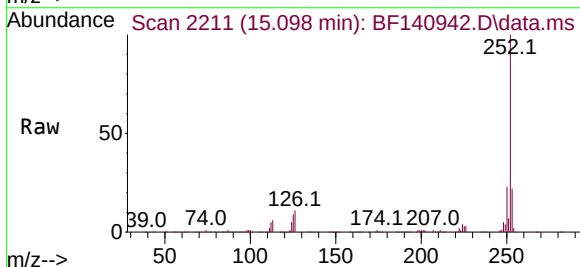
Tgt Ion:252 Resp: 341178

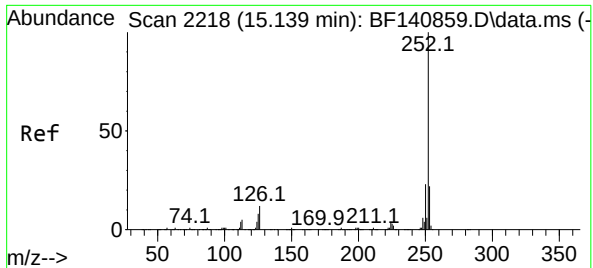
Ion Ratio Lower Upper

252 100

253 21.5 17.8 26.6

125 8.9 7.0 10.4





#89

Benzo(k)fluoranthene

Concen: 37.736 ng

RT: 15.121 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF140942.D

Acq: 20 Dec 2024 11:15

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:252 Resp: 29059

Ion Ratio Lower Upper

252 100

253 21.8 17.5 26.3

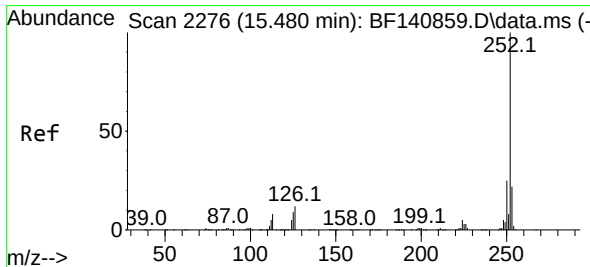
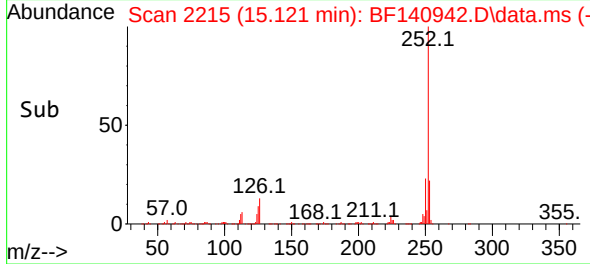
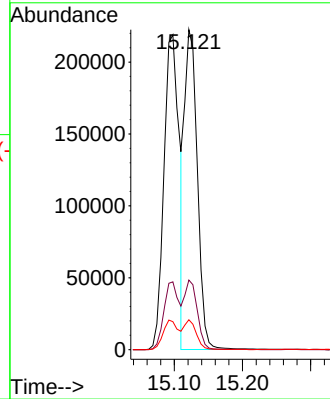
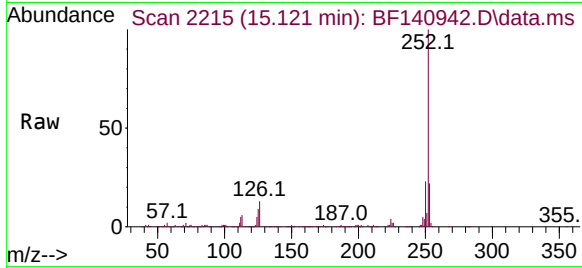
125 9.3 6.8 10.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024

Supervised By :mohammad ahmed 12/24/2024



#90

Benzo(a)pyrene

Concen: 39.241 ng

RT: 15.468 min Scan# 2274

Delta R.T. -0.012 min

Lab File: BF140942.D

Acq: 20 Dec 2024 11:15

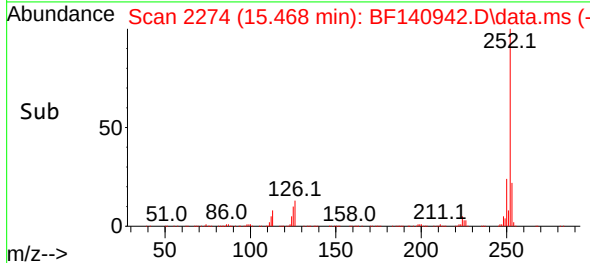
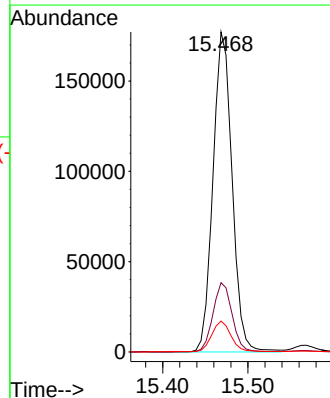
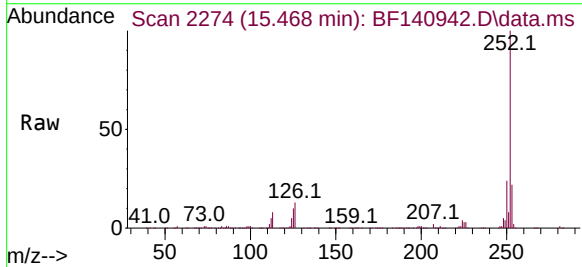
Tgt Ion:252 Resp: 275845

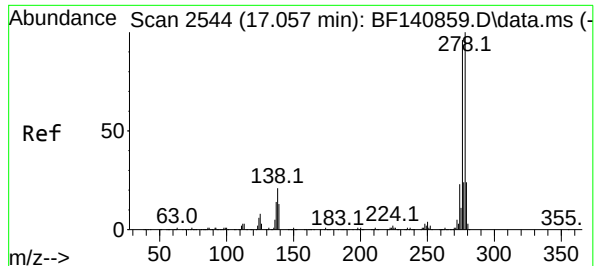
Ion Ratio Lower Upper

252 100

253 21.7 17.5 26.3

125 9.6 7.5 11.3





#91

Dibenzo(a,h)anthracene

Concen: 51.627 ng

RT: 17.051 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF140942.D

Acq: 20 Dec 2024 11:15

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:278 Resp: 34518

Ion Ratio Lower Upper

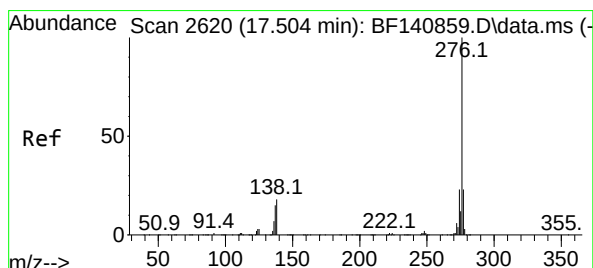
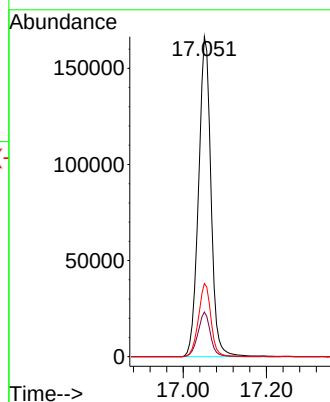
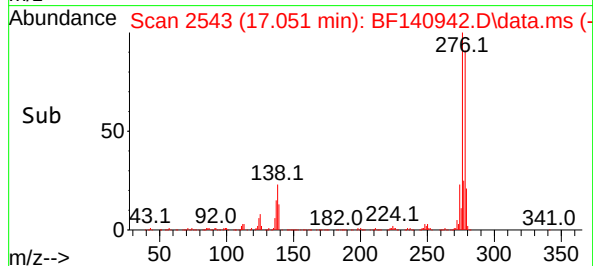
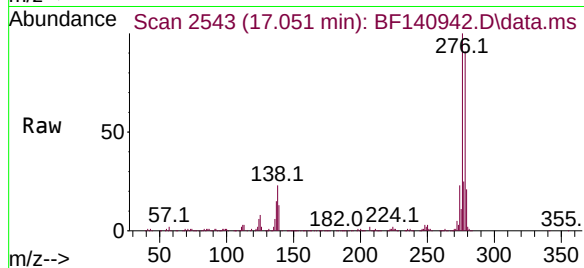
278 100

139 13.9 10.6 16.0

279 22.9 19.2 28.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

#92

Benzo(g,h,i)perylene

Concen: 48.503 ng

RT: 17.509 min Scan# 2621

Delta R.T. 0.006 min

Lab File: BF140942.D

Acq: 20 Dec 2024 11:15

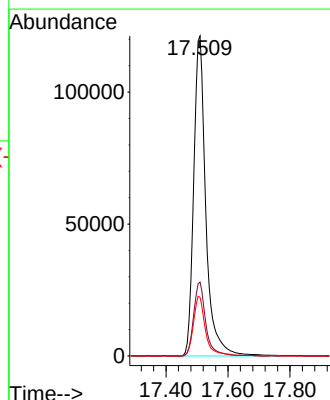
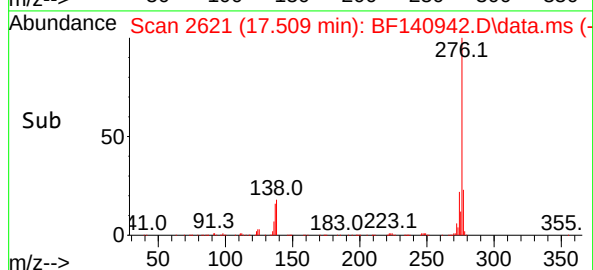
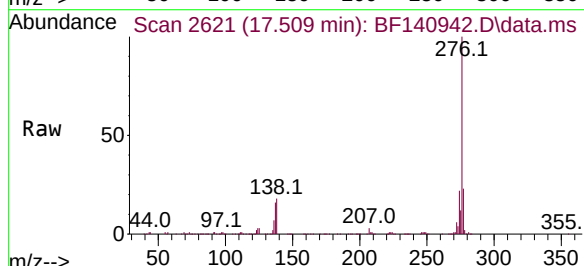
Tgt Ion:276 Resp: 330062

Ion Ratio Lower Upper

276 100

277 23.1 18.7 28.1

138 18.4 14.2 21.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
 Data File : BF140942.D
 Acq On : 20 Dec 2024 11:15
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Dec 20 11:51:18 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 16 16:59:50 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	96	0.00
2	1,4-Dioxane	0.523	0.501	4.2	96	0.00
3	Pyridine	1.212	1.180	2.6	93	0.00
4	n-Nitrosodimethylamine	0.611	0.543	11.1	87	0.00
5 S	2-Fluorophenol	1.215	1.104	9.1	89	0.00
6	Aniline	1.376	1.285	6.6	90	0.00
7 S	Phenol-d6	1.609	1.494	7.1	92	0.00
8	2-Chlorophenol	1.325	1.292	2.5	96	0.00
9	Benzaldehyde	0.892	0.796	10.8	89	0.00
10 C	Phenol	1.668	1.561	6.4	92	0.01
11	bis(2-Chloroethyl)ether	1.244	1.156	7.1	91	0.00
12	1,3-Dichlorobenzene	1.510	1.475	2.3	97	0.00
13 C	1,4-Dichlorobenzene	1.532	1.470	4.0	95	0.00
14	1,2-Dichlorobenzene	1.446	1.394	3.6	94	0.00
15	Benzyl Alcohol	1.151	1.079	6.3	90	0.00
16	2,2'-oxybis(1-Chloropropane	1.465	1.317	10.1	88	0.00
17	2-Methylphenol	1.058	1.007	4.8	93	0.00
18	Hexachloroethane	0.570	0.521	8.6	90	0.00
19 P	n-Nitroso-di-n-propylamine	0.965	0.859	11.0	90	0.00
20	3+4-Methylphenols	1.403	1.351	3.7	96	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	93	0.00
22	Acetophenone	0.500	0.486	2.8	91	0.00
23 S	Nitrobenzene-d5	0.400	0.385	3.8	91	0.00
24	Nitrobenzene	0.410	0.382	6.8	88	0.00
25	Isophorone	0.670	0.637	4.9	91	0.00
26 C	2-Nitrophenol	0.189	0.198	-4.8	98	0.00
27	2,4-Dimethylphenol	0.220	0.222	-0.9	93	0.00
28	bis(2-Chloroethoxy)methane	0.418	0.406	2.9	90	0.00
29 C	2,4-Dichlorophenol	0.304	0.299	1.6	93	0.00
30	1,2,4-Trichlorobenzene	0.349	0.346	0.9	94	0.00
31	Naphthalene	1.099	1.079	1.8	93	0.00
32	Benzoic acid	0.209	0.181	13.4	79	0.01
33	4-Chloroaniline	0.365	0.358	1.9	92	0.00
34 C	Hexachlorobutadiene	0.235	0.225	4.3	89	0.00
35	Caprolactam	0.091	0.084	7.7	86	0.01
36 C	4-Chloro-3-methylphenol	0.342	0.320	6.4	88	0.00
37	2-Methylnaphthalene	0.727	0.696	4.3	89	0.00
38	1-Methylnaphthalene	0.719	0.679	5.6	89	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	91	0.00
40	1,2,4,5-Tetrachlorobenzene	0.615	0.574	6.7	90	0.00
41 P	Hexachlorocyclopentadiene	0.153	0.117	23.5	75	0.00
42 S	2,4,6-Tribromophenol	0.237	0.214	9.7	81	0.00
43 C	2,4,6-Trichlorophenol	0.376	0.341	9.3	85	0.00
44	2,4,5-Trichlorophenol	0.414	0.369	10.9	84	0.00
45 S	2-Fluorobiphenyl	1.455	1.340	7.9	89	0.00
46	1,1'-Biphenyl	1.590	1.490	6.3	89	0.00
47	2-Chloronaphthalene	1.217	1.152	5.3	89	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
 Data File : BF140942.D
 Acq On : 20 Dec 2024 11:15
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Dec 20 11:51:18 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 16 16:59:50 2024
 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	0.367	0.325	11.4	82	0.00
49	Acenaphthylene	1.788	1.741	2.6	91	0.00
50	Dimethylphthalate	1.410	1.310	7.1	87	0.00
51	2,6-Dinitrotoluene	0.322	0.318	1.2	92	0.00
52 C	Acenaphthene	1.142	1.107	3.1	90	0.00
53	3-Nitroaniline	0.320	0.316	1.3	91	0.00
54 P	2,4-Dinitrophenol	0.132	0.127	3.8	86	0.01
55	Dibenzofuran	1.770	1.682	5.0	88	0.00
56 P	4-Nitrophenol	0.150	0.143	4.7	78	0.02
57	2,4-Dinitrotoluene	0.424	0.408	3.8	88	0.00
58	Fluorene	1.460	1.356	7.1	85	0.00
59	2,3,4,6-Tetrachlorophenol	0.337	0.314	6.8	80	0.00
60	Diethylphthalate	1.462	1.314	10.1	83	0.00
61	4-Chlorophenyl-phenylether	0.733	0.682	7.0	86	0.00
62	4-Nitroaniline	0.334	0.310	7.2	83	0.00
63	Azobenzene	1.375	1.184	13.9	78	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	78	0.00
65	4,6-Dinitro-2-methylphenol	0.113	0.114	-0.9	76	0.01
66 c	n-Nitrosodiphenylamine	0.615	0.657	-6.8	86	0.00
67	4-Bromophenyl-phenylether	0.224	0.230	-2.7	82	0.00
68	Hexachlorobenzene	0.254	0.264	-3.9	84	0.00
69	Atrazine	0.172	0.144	16.3	67	0.00
70 C	Pentachlorophenol	0.093	0.077	17.2	62	0.01
71	Phenanthrene	1.028	0.981	4.6	78	0.00
72	Anthracene	1.013	0.983	3.0	79	0.00
73	Carbazole	0.992	0.954	3.8	78	0.00
74	Di-n-butylphthalate	1.164	1.178	-1.2	82	0.00
75 C	Fluoranthene	1.184	1.083	8.5	75	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	68	0.00
77	Benzydine	0.408	0.351	14.0	59	0.00
78	Pyrene	1.779	1.904	-7.0	76	0.00
79 S	Terphenyl-d14	1.268	1.393	-9.9	79	0.00
80	Butylbenzylphthalate	0.654	0.631	3.5	67	0.00
81	Benzo(a)anthracene	1.417	1.356	4.3	68	0.00
82	3,3'-Dichlorobenzidine	0.428	0.390	8.9	65	0.00
83	Chrysene	1.289	1.279	0.8	69	0.00
84	Bis(2-ethylhexyl)phthalate	0.844	0.789	6.5	65	0.00
85 c	Di-n-octyl phthalate	1.277	1.023	19.9	57	-0.02
86 I	Perylene-d12	1.000	1.000	0.0	64	-0.01
87	Indeno(1,2,3-cd)pyrene	1.248	1.605	-28.6#	81	0.00
88	Benzo(b)fluoranthene	1.388	1.319	5.0	65	-0.01
89	Benzo(k)fluoranthene	1.191	1.123	5.7	59	-0.02
90 C	Benzo(a)pyrene	1.087	1.066	1.9	63	-0.01
91	Dibenzo(a,h)anthracene	1.034	1.335	-29.1#	80	0.00
92	Benzo(g,h,i)perylene	1.052	1.276	-21.3	76	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
Data File : BF140942.D
Acq On : 20 Dec 2024 11:15
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Dec 20 11:51:18 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
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_F\Data\BF122024\
 Data File : BF140942.D
 Acq On : 20 Dec 2024 11:15
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
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 SSTDCCC040

Quant Time: Dec 20 11:51:18 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 16 16:59:50 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	96	0.00
2	1,4-Dioxane	40.000	38.331	4.2	96	0.00
3	Pyridine	40.000	38.939	2.7	93	0.00
4	n-Nitrosodimethylamine	40.000	35.583	11.0	87	0.00
5 S	2-Fluorophenol	80.000	72.726	9.1	89	0.00
6	Aniline	40.000	37.347	6.6	90	0.00
7 S	Phenol-d6	80.000	74.251	7.2	92	0.00
8	2-Chlorophenol	40.000	38.996	2.5	96	0.00
9	Benzaldehyde	40.000	35.692	10.8	89	0.00
10 C	Phenol	40.000	37.438	6.4	92	0.01
11	bis(2-Chloroethyl)ether	40.000	37.188	7.0	91	0.00
12	1,3-Dichlorobenzene	40.000	39.082	2.3	97	0.00
13 C	1,4-Dichlorobenzene	40.000	38.376	4.1	95	0.00
14	1,2-Dichlorobenzene	40.000	38.575	3.6	94	0.00
15	Benzyl Alcohol	40.000	37.495	6.3	90	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	35.963	10.1	88	0.00
17	2-Methylphenol	40.000	38.095	4.8	93	0.00
18	Hexachloroethane	40.000	36.502	8.7	90	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	35.587	11.0	90	0.00
20	3+4-Methylphenols	40.000	38.521	3.7	96	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	93	0.00
22	Acetophenone	40.000	38.835	2.9	91	0.00
23 S	Nitrobenzene-d5	80.000	77.004	3.7	91	0.00
24	Nitrobenzene	40.000	37.305	6.7	88	0.00
25	Isophorone	40.000	38.063	4.8	91	0.00
26 C	2-Nitrophenol	40.000	41.913	-4.8	98	0.00
27	2,4-Dimethylphenol	40.000	40.254	-0.6	93	0.00
28	bis(2-Chloroethoxy)methane	40.000	38.864	2.8	90	0.00
29 C	2,4-Dichlorophenol	40.000	39.361	1.6	93	0.00
30	1,2,4-Trichlorobenzene	40.000	39.649	0.9	94	0.00
31	Naphthalene	40.000	39.270	1.8	93	0.00
32	Benzoic acid	40.000	34.606	13.5	79	0.01
33	4-Chloroaniline	40.000	39.228	1.9	92	0.00
34 C	Hexachlorobutadiene	40.000	38.289	4.3	89	0.00
35	Caprolactam	40.000	37.061	7.3	86	0.01
36 C	4-Chloro-3-methylphenol	40.000	37.361	6.6	88	0.00
37	2-Methylnaphthalene	40.000	38.282	4.3	89	0.00
38	1-Methylnaphthalene	40.000	37.761	5.6	89	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	91	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	37.349	6.6	90	0.00
41 P	Hexachlorocyclopentadiene	40.000	34.773	13.1	75	0.00
42 S	2,4,6-Tribromophenol	80.000	72.531	9.3	81	0.00
43 C	2,4,6-Trichlorophenol	40.000	36.226	9.4	85	0.00
44	2,4,5-Trichlorophenol	40.000	35.638	10.9	84	0.00
45 S	2-Fluorobiphenyl	80.000	73.670	7.9	89	0.00
46	1,1'-Biphenyl	40.000	37.480	6.3	89	0.00
47	2-Chloronaphthalene	40.000	37.889	5.3	89	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
 Data File : BF140942.D
 Acq On : 20 Dec 2024 11:15
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Dec 20 11:51:18 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 16 16:59:50 2024
 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	35.406	11.5	82	0.00
49	Acenaphthylene	40.000	38.943	2.6	91	0.00
50	Dimethylphthalate	40.000	37.159	7.1	87	0.00
51	2,6-Dinitrotoluene	40.000	39.451	1.4	92	0.00
52 C	Acenaphthene	40.000	38.772	3.1	90	0.00
53	3-Nitroaniline	40.000	39.535	1.2	91	0.00
54 P	2,4-Dinitrophenol	40.000	36.272	9.3	86	0.01
55	Dibenzofuran	40.000	38.012	5.0	88	0.00
56 P	4-Nitrophenol	40.000	35.773	10.6	78	0.02
57	2,4-Dinitrotoluene	40.000	38.516	3.7	88	0.00
58	Fluorene	40.000	37.139	7.2	85	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	37.214	7.0	80	0.00
60	Diethylphthalate	40.000	35.936	10.2	83	0.00
61	4-Chlorophenyl-phenylether	40.000	37.200	7.0	86	0.00
62	4-Nitroaniline	40.000	37.076	7.3	83	0.00
63	Azobenzene	40.000	34.454	13.9	78	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	78	0.00
65	4,6-Dinitro-2-methylphenol	40.000	40.269	-0.7	76	0.01
66 c	n-Nitrosodiphenylamine	40.000	42.748	-6.9	86	0.00
67	4-Bromophenyl-phenylether	40.000	41.055	-2.6	82	0.00
68	Hexachlorobenzene	40.000	41.697	-4.2	84	0.00
69	Atrazine	40.000	33.453	16.4	67	0.00
70 C	Pentachlorophenol	40.000	33.287	16.8	62	0.01
71	Phenanthrene	40.000	38.164	4.6	78	0.00
72	Anthracene	40.000	38.826	2.9	79	0.00
73	Carbazole	40.000	38.449	3.9	78	0.00
74	Di-n-butylphthalate	40.000	40.470	-1.2	82	0.00
75 C	Fluoranthene	40.000	36.586	8.5	75	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	68	0.00
77	Benzydine	40.000	34.399	14.0	59	0.00
78	Pyrene	40.000	42.817	-7.0	76	0.00
79 S	Terphenyl-d14	80.000	87.865	-9.8	79	0.00
80	Butylbenzylphthalate	40.000	38.545	3.6	67	0.00
81	Benzo(a)anthracene	40.000	38.254	4.4	68	0.00
82	3,3'-Dichlorobenzidine	40.000	36.483	8.8	65	0.00
83	Chrysene	40.000	39.695	0.8	69	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	37.409	6.5	65	0.00
85 c	Di-n-octyl phthalate	40.000	32.062	19.8	57	-0.02
86 I	Perylene-d12	20.000	20.000	0.0	64	-0.01
87	Indeno(1,2,3-cd)pyrene	40.000	51.437	-28.6#	81	0.00
88	Benzo(b)fluoranthene	40.000	38.004	5.0	65	-0.01
89	Benzo(k)fluoranthene	40.000	37.736	5.7	59	-0.02
90 C	Benzo(a)pyrene	40.000	39.241	1.9	63	-0.01
91	Dibenzo(a,h)anthracene	40.000	51.627	-29.1#	80	0.00
92	Benzo(g,h,i)perylene	40.000	48.503	-21.3	76	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
Data File : BF140942.D
Acq On : 20 Dec 2024 11:15
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Dec 20 11:51:18 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
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: PORT06

Lab Code: CHEM Case No.: P5299 SAS No.: P5299 SDG No.: P5299

Instrument ID: BNA_F Calibration Date/Time: 12/27/2024 13:59

Lab File ID: BF140994.D Init. Calib. Date(s): 12/26/2024 12/26/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 16:23 19:25

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.327	1.268		-4.4	
Benzaldehyde	0.941	0.913		-3.0	
Phenol-d6	1.709	1.624		-5.0	
Phenol	1.767	1.701		-3.7	20.0
bis(2-Chloroethyl)ether	1.427	1.317		-7.7	
2-Chlorophenol	1.399	1.354		-3.2	
2-Methylphenol	1.162	1.114		-4.1	
2,2-oxybis(1-Chloropropane)	2.158	2.044		-5.3	
Acetophenone	0.491	0.466		-5.1	
3+4-Methylphenols	1.471	1.414		-3.9	
n-Nitroso-di-n-propylamine	1.047	0.967	0.050	-7.6	
Nitrobenzene-d5	0.313	0.359		14.7	
Hexachloroethane	0.553	0.541		-2.2	
Nitrobenzene	0.349	0.391		12.0	
Isophorone	0.680	0.647		-4.9	
2-Nitrophenol	0.118	0.160		35.6	20.0
2,4-Dimethylphenol	0.249	0.244		-2.0	
bis(2-Chloroethoxy)methane	0.431	0.409		-5.1	
2,4-Dichlorophenol	0.282	0.279		-1.1	20.0
Naphthalene	1.054	1.013		-3.9	
4-Chloroaniline	0.381	0.362		-5.0	
Hexachlorobutadiene	0.188	0.183		-2.7	20.0
Caprolactam	0.096	0.094		-2.1	
4-Chloro-3-methylphenol	0.313	0.303		-3.2	20.0
2-Methylnaphthalene	0.674	0.646		-4.2	
Hexachlorocyclopentadiene	0.182	0.186	0.050	2.2	
2,4,6-Trichlorophenol	0.366	0.367		0.3	20.0
2-Fluorobiphenyl	1.255	1.178		-6.1	
2,4,5-Trichlorophenol	0.375	0.386		2.9	
1,1-Biphenyl	1.531	1.482		-3.2	
2-Chloronaphthalene	1.188	1.140		-4.0	
2-Nitroaniline	0.259	0.349		34.7	
Dimethylphthalate	1.316	1.281		-2.7	
Acenaphthylene	1.710	1.661		-2.9	
2,6-Dinitrotoluene	0.231	0.296		28.1	
3-Nitroaniline	0.255	0.320		25.5	
Acenaphthene	1.156	1.122		-2.9	20.0
2,4-Dinitrophenol	0.075	0.099	0.050	32.0	
4-Nitrophenol	0.225	0.246	0.050	9.3	



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P5299 SAS No.: P5299 SDG No.: P5299

Instrument ID: BNA_F Calibration Date/Time: 12/27/2024 13:59

Lab File ID: BF140994.D Init. Calib. Date(s): 12/26/2024 12/26/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 16:23 19:25

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.624	1.563		-3.8	
2,4-Dinitrotoluene	0.273	0.378		38.5	
Diethylphthalate	1.299	1.261		-2.9	
4-Chlorophenyl-phenylether	0.606	0.572		-5.6	
Fluorene	1.260	1.191		-5.5	
4-Nitroaniline	0.255	0.316		23.9	
4,6-Dinitro-2-methylphenol	0.067	0.093		38.8	
n-Nitrosodiphenylamine	0.630	0.617		-2.1	20.0
2,4,6-Tribromophenol	0.194	0.205		5.7	
4-Bromophenyl-phenylether	0.216	0.220		1.9	
Hexachlorobenzene	0.238	0.235		-1.3	
Atrazine	0.176	0.158		-10.2	
Pentachlorophenol	0.148	0.161		8.8	20.0
Phenanthrene	1.053	1.034		-1.8	
Anthracene	1.031	1.003		-2.7	
Carbazole	0.992	0.965		-2.7	
Di-n-butylphthalate	1.128	1.104		-2.1	
Fluoranthene	1.142	1.081		-5.3	20.0
Pyrene	1.749	1.690		-3.4	
Terphenyl-d14	1.204	1.166		-3.2	
Butylbenzylphthalate	0.639	0.645		0.9	
3,3-Dichlorobenzidine	0.419	0.406		-3.1	
Benzo (a) anthracene	1.394	1.316		-5.6	
Chrysene	1.257	1.236		-1.7	
Bis(2-ethylhexyl)phthalate	0.828	0.820		-1.0	
Di-n-octyl phthalate	1.199	1.221		1.8	20.0
Benzo (b) fluoranthene	1.395	1.240		-11.1	
Benzo (k) fluoranthene	1.093	1.226		12.2	
Benzo (a) pyrene	1.083	1.067		-1.5	20.0
Indeno (1,2,3-cd) pyrene	1.260	1.291		2.5	
Dibenzo (a,h) anthracene	1.021	1.047		2.5	
Benzo (g,h,i) perylene	1.059	1.058		-0.1	
1,2,4,5-Tetrachlorobenzene	0.550	0.540		-1.8	
1,4-Dioxane	0.601	0.590		-1.8	20.0
2,3,4,6-Tetrachlorophenol	0.310	0.315		1.6	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
 Data File : BF140994.D
 Acq On : 27 Dec 2024 13:59
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/30/2024
 Supervised By :mohammad ahmed 12/30/2024

Quant Time: Dec 27 14:47:17 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 27 00:31:16 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	288140	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	1113818	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	585823	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	1000383	20.000	ng	0.00
76) Chrysene-d12	13.986	240	654182	20.000	ng	0.00
86) Perylene-d12	15.433	264	576625	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1461537	76.459	ng	0.00
7) Phenol-d6	6.451	99	1872033	76.023	ng	0.00
23) Nitrobenzene-d5	7.393	82	1601498	91.990	ng	0.00
42) 2,4,6-Tribromophenol	10.645	330	480628	84.432	ng	0.00
45) 2-Fluorobiphenyl	9.187	172	2760974	75.089	ng	0.00
79) Terphenyl-d14	12.933	244	3050563	77.455	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.558	88	339933	39.280	ng	100
3) Pyridine	3.299	79	851996	40.285	ng	99
4) n-Nitrosodimethylamine	3.246	42	423849	39.553	ng	99
6) Aniline	6.493	93	891247	40.582	ng	99
8) 2-Chlorophenol	6.610	128	780352	38.720	ng	99
9) Benzaldehyde	6.375	77	526226	44.682	ng	99
10) Phenol	6.463	94	980007m	38.488	ng	
11) bis(2-Chloroethyl)ether	6.563	93	759114	36.923	ng	99
12) 1,3-Dichlorobenzene	6.769	146	866844	38.974	ng	99
13) 1,4-Dichlorobenzene	6.845	146	867566	38.694	ng	99
14) 1,2-Dichlorobenzene	6.998	146	800923	38.312	ng	99
15) Benzyl Alcohol	6.969	79	672138	37.984	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.104	45	1177980	37.887	ng	99
17) 2-Methylphenol	7.075	107	641715	38.327	ng	100
18) Hexachloroethane	7.345	117	311855	39.154	ng	100
19) n-Nitroso-di-n-propyla...	7.245	70	557075	36.927	ng	99
20) 3+4-Methylphenols	7.228	107	814911	38.461	ng	98
22) Acetophenone	7.240	105	1038352	38.002	ng	100
24) Nitrobenzene	7.410	77	870199	44.733	ng	98
25) Isophorone	7.651	82	1440881	38.034	ng	100
26) 2-Nitrophenol	7.728	139	356081	45.034	ng	99
27) 2,4-Dimethylphenol	7.757	122	542720	39.199	ng	100
28) bis(2-Chloroethoxy)met...	7.863	93	910595	37.937	ng	99
29) 2,4-Dichlorophenol	7.963	162	621770	39.596	ng	99
30) 1,2,4-Trichlorobenzene	8.051	180	696183	39.171	ng	100
31) Naphthalene	8.134	128	2257008	38.456	ng	100
32) Benzoic acid	7.863	122	479873	43.059	ng	97
33) 4-Chloroaniline	8.181	127	805822	37.952	ng	100
34) Hexachlorobutadiene	8.251	225	407709	38.912	ng	99
35) Caprolactam	8.545	113	209436m	39.233	ng	
36) 4-Chloro-3-methylphenol	8.651	107	674230	38.663	ng	99
37) 2-Methylnaphthalene	8.822	142	1438837	38.321	ng	99
38) 1-Methylnaphthalene	8.922	142	1393127	37.754	ng	99
40) 1,2,4,5-Tetrachloroben...	8.986	216	632502	39.245	ng	100
41) Hexachlorocyclopentadiene	8.975	237	217647	40.751	ng	98
43) 2,4,6-Trichlorophenol	9.092	196	430134	40.100	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
 Data File : BF140994.D
 Acq On : 27 Dec 2024 13:59
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/30/2024
 Supervised By :mohammad ahmed 12/30/2024

Quant Time: Dec 27 14:47:17 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 27 00:31:16 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.128	196	452225	41.204	ng	100
46) 1,1'-Biphenyl	9.286	154	1736208	38.706	ng	100
47) 2-Chloronaphthalene	9.310	162	1335122	38.378	ng	99
48) 2-Nitroaniline	9.398	65	409210	45.257	ng	97
49) Acenaphthylene	9.722	152	1945996	38.857	ng	100
50) Dimethylphthalate	9.586	163	1501321	38.961	ng	100
51) 2,6-Dinitrotoluene	9.645	165	347234	44.477	ng	96
52) Acenaphthene	9.898	154	1314751	38.833	ng	100
53) 3-Nitroaniline	9.810	138	375390	44.203	ng	# 94
54) 2,4-Dinitrophenol	9.910	184	116362	47.390	ng	# 39
55) Dibenzofuran	10.069	168	1831787	38.499	ng	99
56) 4-Nitrophenol	9.957	139	288447	43.761	ng	97
57) 2,4-Dinitrotoluene	10.045	165	442593	46.211	ng	96
58) Fluorene	10.410	166	1395040	37.810	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.181	232	369514	40.652	ng	100
60) Diethylphthalate	10.286	149	1477637	38.843	ng	99
61) 4-Chlorophenyl-phenyle...	10.404	204	669688	37.721	ng	99
62) 4-Nitroaniline	10.422	138	370383	43.704	ng	95
63) Azobenzene	10.563	77	1533221	38.398	ng	99
65) 4,6-Dinitro-2-methylph...	10.451	198	186091	46.917	ng	97
66) n-Nitrosodiphenylamine	10.522	169	1233641	39.161	ng	99
67) 4-Bromophenyl-phenylether	10.892	248	439374	40.629	ng	98
68) Hexachlorobenzene	10.957	284	470563	39.462	ng	100
69) Atrazine	11.045	200	316431	35.956	ng	99
70) Pentachlorophenol	11.145	266	321201	43.264	ng	99
71) Phenanthrene	11.369	178	2067906	39.276	ng	100
72) Anthracene	11.422	178	2007394	38.909	ng	100
73) Carbazole	11.575	167	1931005	38.935	ng	100
74) Di-n-butylphthalate	11.910	149	2208413	39.149	ng	100
75) Fluoranthene	12.557	202	2162264	37.866	ng	99
77) Benzidine	12.680	184	696326	50.365	ng	99
78) Pyrene	12.786	202	2211440	38.653	ng	100
80) Butylbenzylphthalate	13.410	149	844457	40.421	ng	97
81) Benzo(a)anthracene	13.974	228	1722198	37.774	ng	99
82) 3,3'-Dichlorobenzidine	13.939	252	531369	38.791	ng	98
83) Chrysene	14.010	228	1616888	39.340	ng	100
84) Bis(2-ethylhexyl)phtha...	13.974	149	1072600	39.580	ng	100
85) Di-n-octyl phthalate	14.586	149	1597422	40.727	ng	100
87) Indeno(1,2,3-cd)pyrene	16.886	276	1489165	40.992	ng	99
88) Benzo(b)fluoranthene	15.016	252	1429886	35.555	ng	100
89) Benzo(k)fluoranthene	15.045	252	1413840	44.855	ng	99
90) Benzo(a)pyrene	15.374	252	1230603	39.424	ng	99
91) Dibenzo(a,h)anthracene	16.910	278	1207121	40.991	ng	99
92) Benzo(g,h,i)perylene	17.321	276	1219629	39.931	ng	99

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

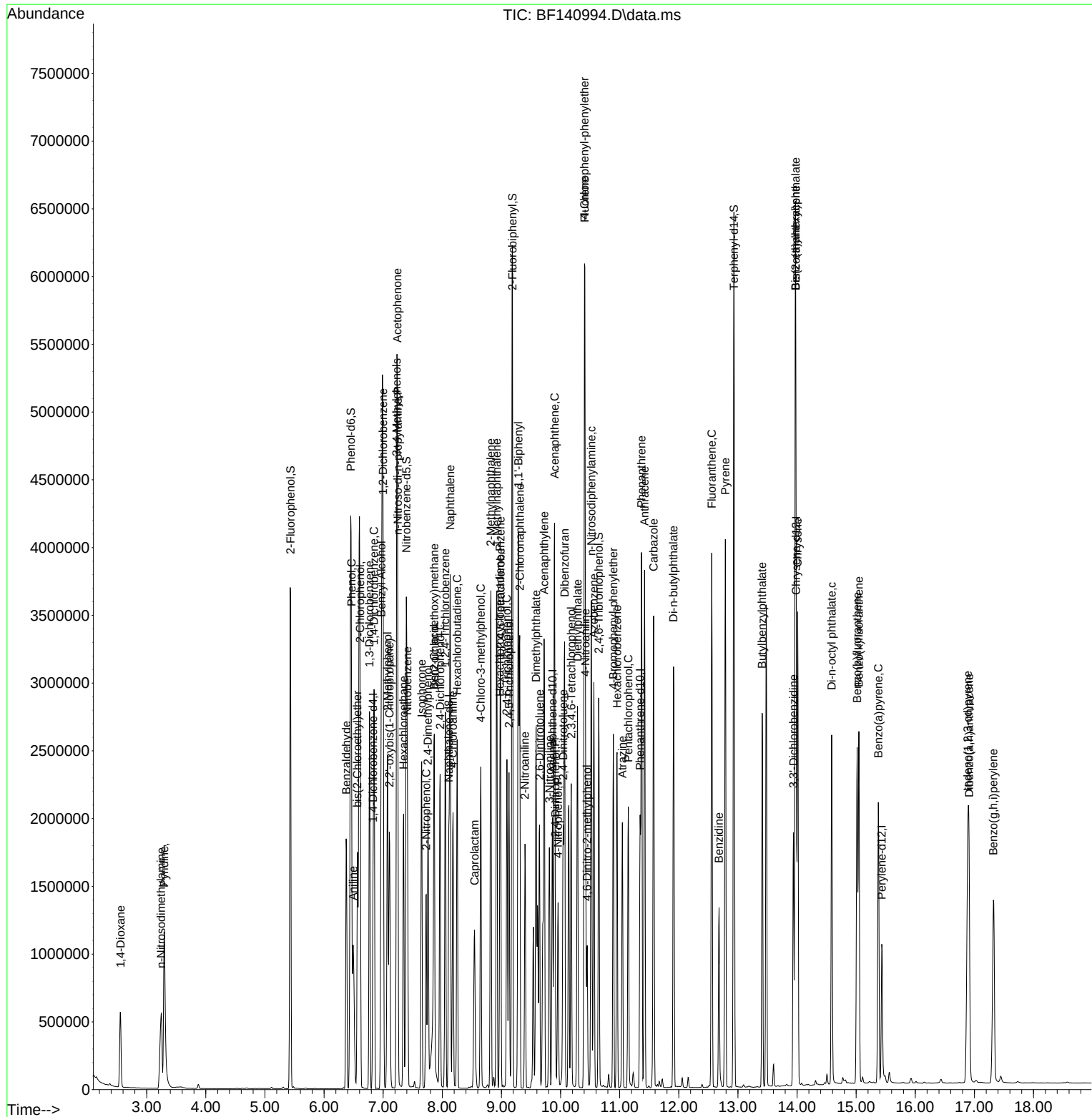
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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\  
Data File : BF140994.D  
Acq On    : 27 Dec 2024 13:59  
Operator  : RC/JU  
Sample    : SSTDCCC040  
Misc      :  
ALS Vial  : 2    Sample Multiplier: 1
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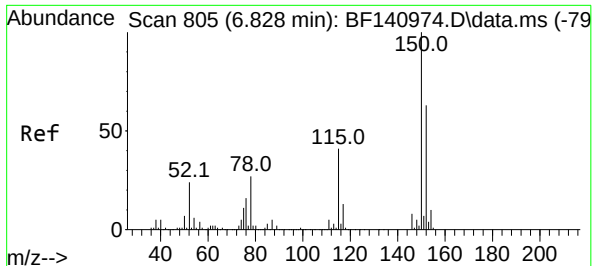
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations

Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

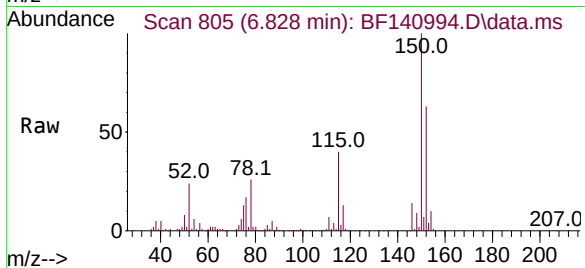
Quant Time: Dec 27 14:47:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 80
Delta R.T. -0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

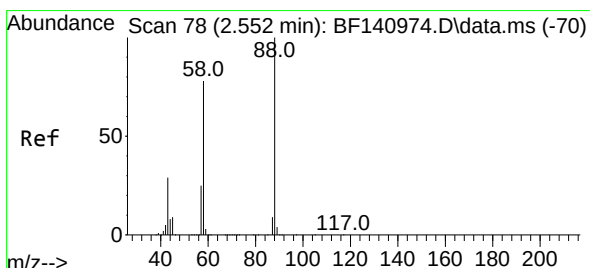
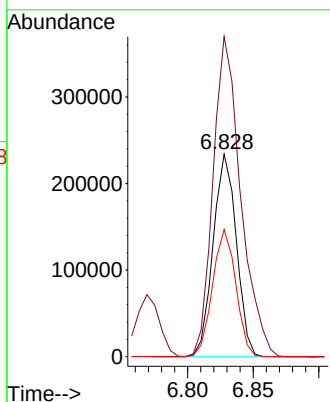
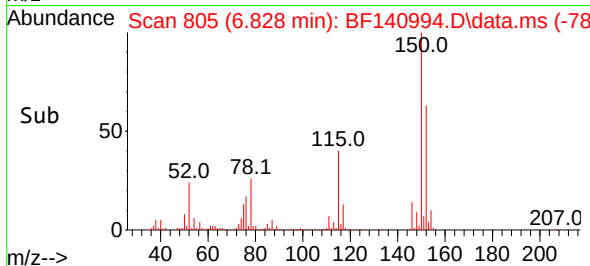
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:152 Resp: 288140
Ion Ratio Lower Upper
152 100
150 157.9 127.0 190.6
115 62.8 51.7 77.5

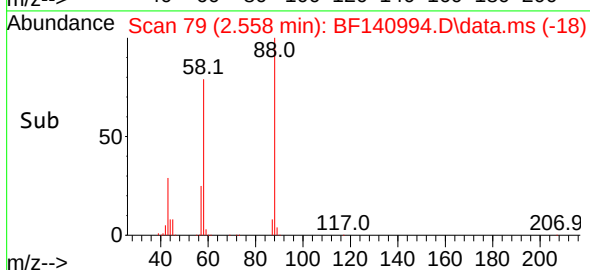
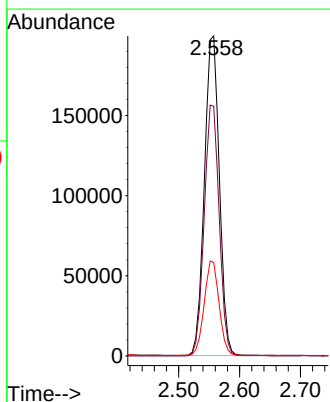
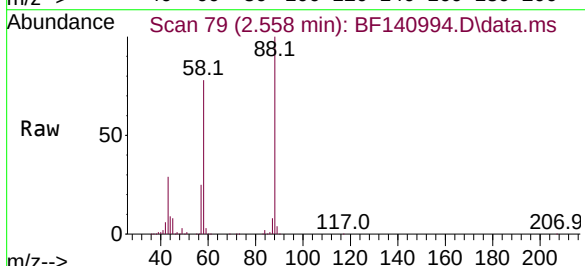
Manual Integrations
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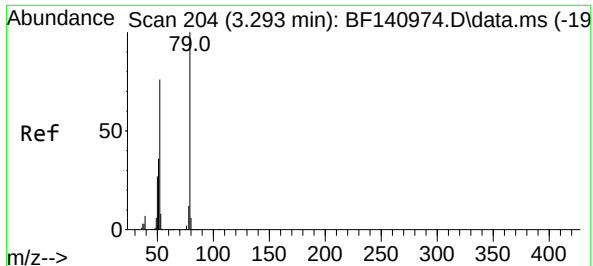
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#2
1,4-Dioxane
Concen: 39.280 ng
RT: 2.558 min Scan# 79
Delta R.T. 0.006 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Tgt Ion: 88 Resp: 339933
Ion Ratio Lower Upper
88 100
58 78.9 63.0 94.4
43 29.5 23.4 35.2





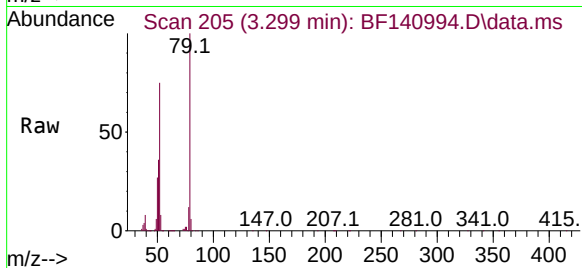
#3
Pyridine
Concen: 40.285 ng
RT: 3.299 min Scan# 204
Delta R.T. 0.006 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

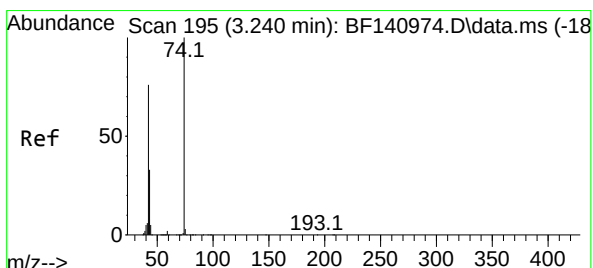
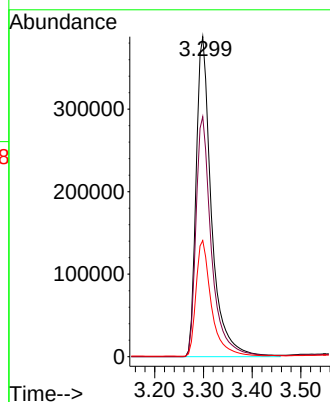
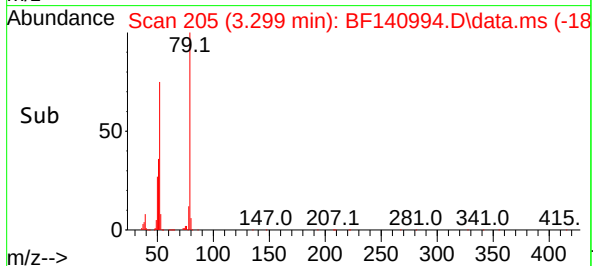


Tgt Ion: 79 Resp: 851990
Ion Ratio Lower Upper
79 100
52 75.0 60.4 90.6
51 36.3 28.8 43.2

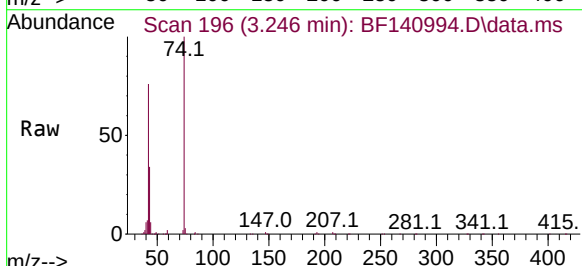
Manual Integrations

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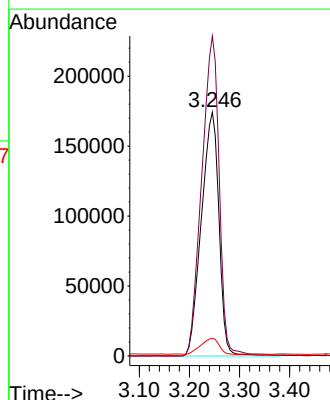
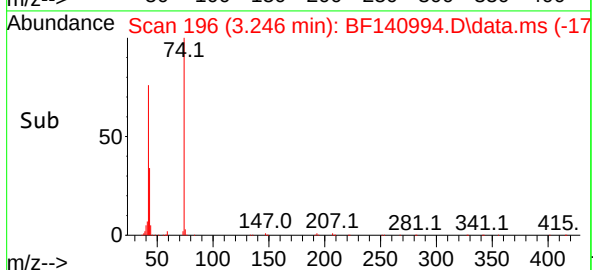
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

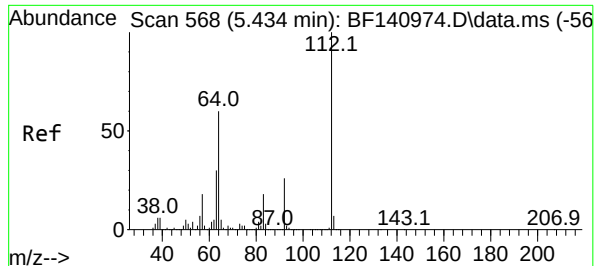


#4
n-Nitrosodimethylamine
Concen: 39.553 ng
RT: 3.246 min Scan# 196
Delta R.T. 0.006 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59



Tgt Ion: 42 Resp: 423849
Ion Ratio Lower Upper
42 100
74 131.2 105.8 158.6
44 7.3 6.6 10.0





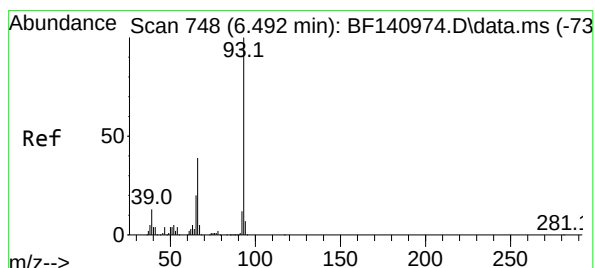
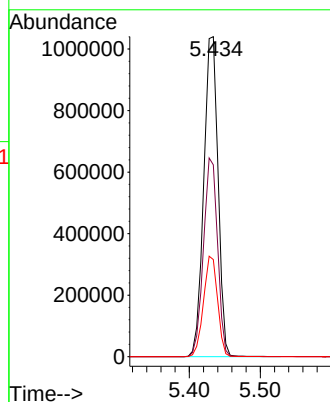
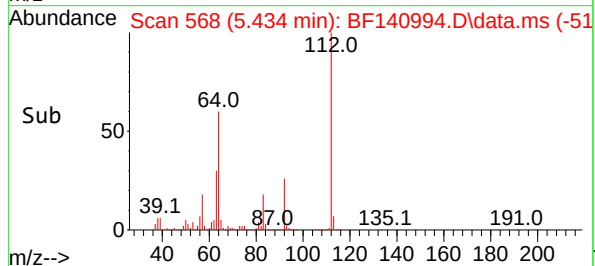
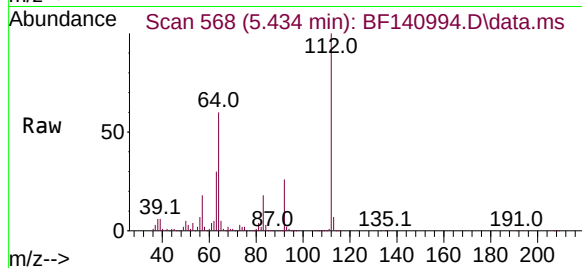
#5
2-Fluorophenol
Concen: 76.459 ng
RT: 5.434 min Scan# 50
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 146153
Ion Ratio Lower Upper
112 100
64 60.0 47.7 71.5
63 30.3 24.2 36.2

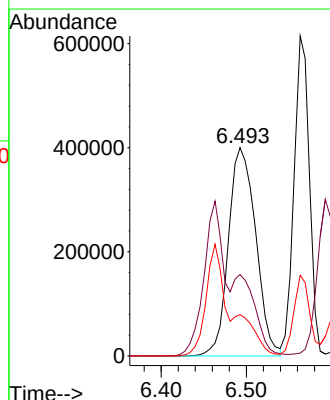
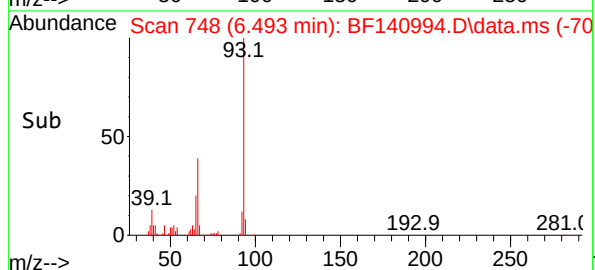
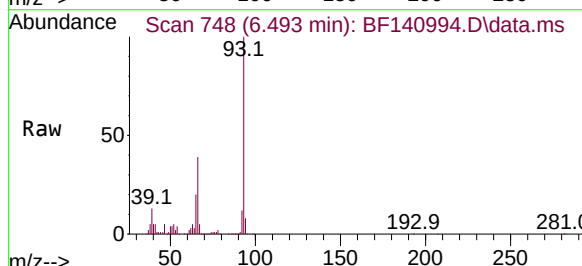
Manual Integrations
APPROVED

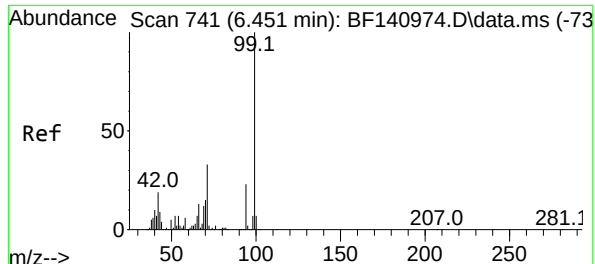
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#6
Aniline
Concen: 40.582 ng
RT: 6.493 min Scan# 748
Delta R.T. -0.018 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

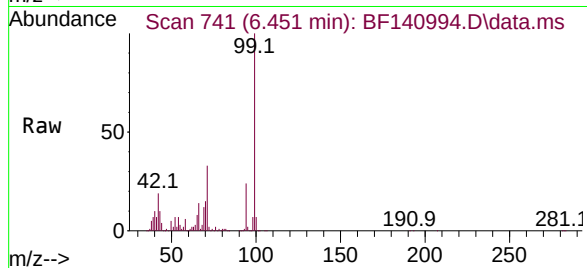
Tgt Ion: 93 Resp: 891247
Ion Ratio Lower Upper
93 100
66 39.1 31.8 47.8
65 19.8 15.4 23.0





#7
Phenol-d6
Concen: 76.023 ng
RT: 6.451 min Scan# 741
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

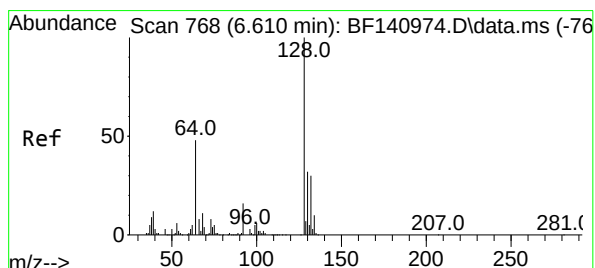
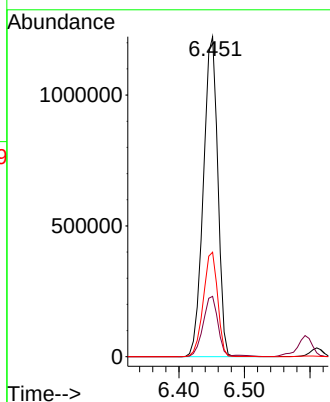
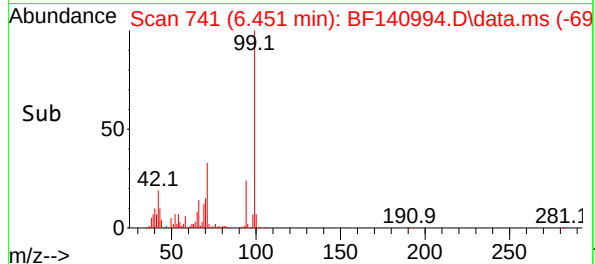
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



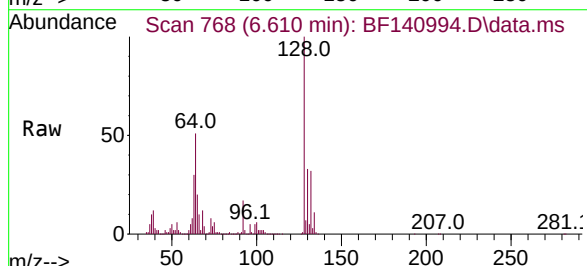
Tgt Ion: 99 Resp: 1872033
Ion Ratio Lower Upper
99 100
42 18.9 15.0 22.4
71 32.7 26.2 39.2

Manual Integrations
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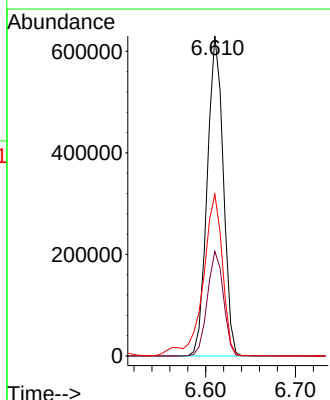
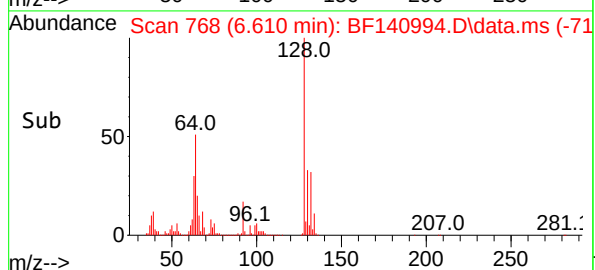
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

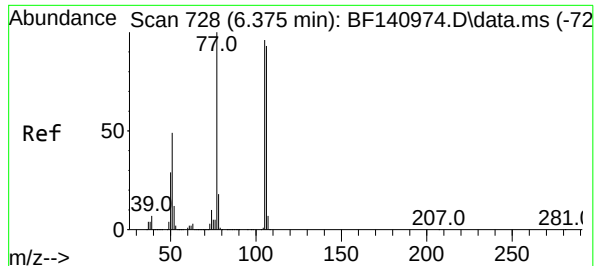


#8
2-Chlorophenol
Concen: 38.720 ng
RT: 6.610 min Scan# 768
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59



Tgt Ion:128 Resp: 780352
Ion Ratio Lower Upper
128 100
130 32.7 12.2 52.2
64 50.5 30.3 70.3





#9

Benzaldehyde

Concen: 44.682 ng

RT: 6.375 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF140994.D

Acq: 27 Dec 2024 13:59

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 77 Resp: 526220

Ion Ratio Lower Upper

77 100

105 97.2 76.2 116.2

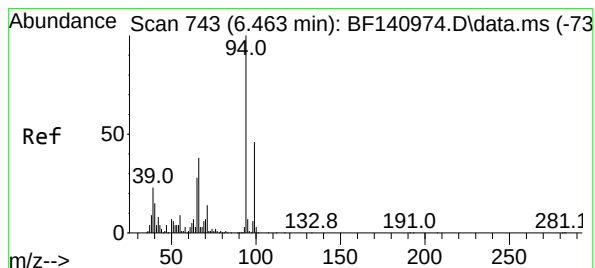
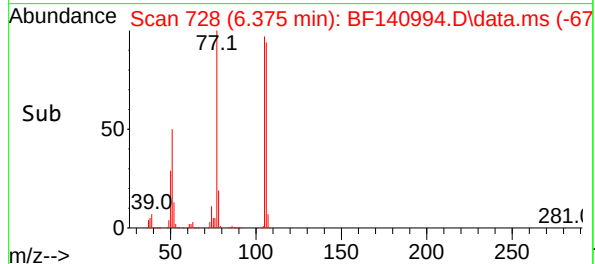
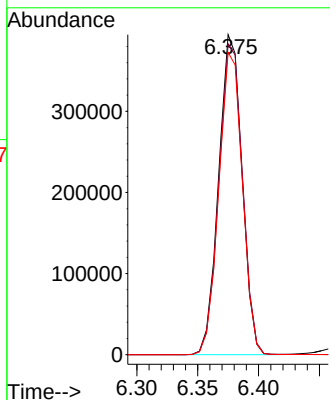
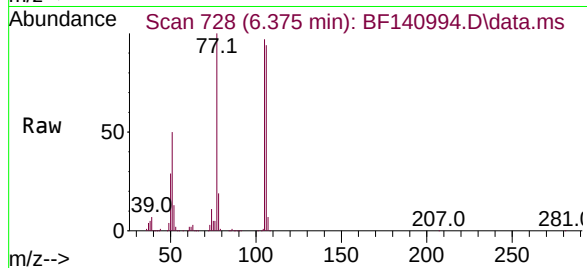
106 94.5 73.4 113.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/30/2024

Supervised By :mohammad ahmed 12/30/2024



#10

Phenol

Concen: 38.488 ng m

RT: 6.463 min Scan# 743

Delta R.T. 0.000 min

Lab File: BF140994.D

Acq: 27 Dec 2024 13:59

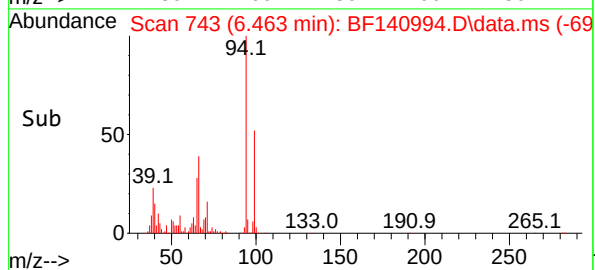
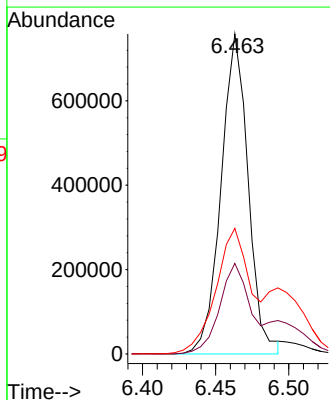
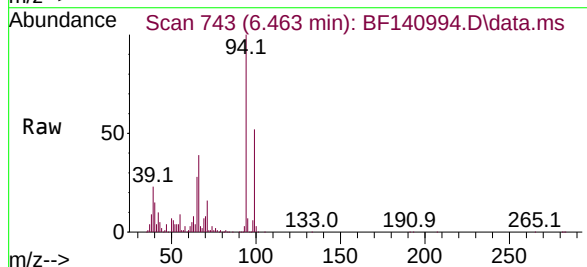
Tgt Ion: 94 Resp: 980007

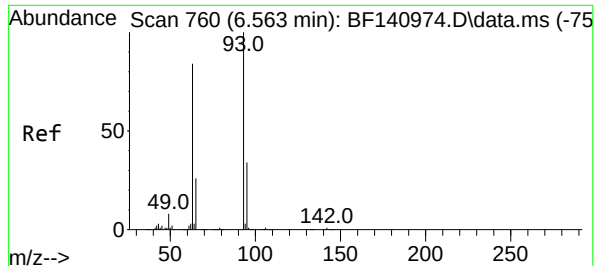
Ion Ratio Lower Upper

94 100

65 28.3 8.1 48.1

66 39.2 18.7 58.7





#11
bis(2-Chloroethyl)ether
Concen: 36.923 ng
RT: 6.563 min Scan# 760
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Instrument :

BNA_F

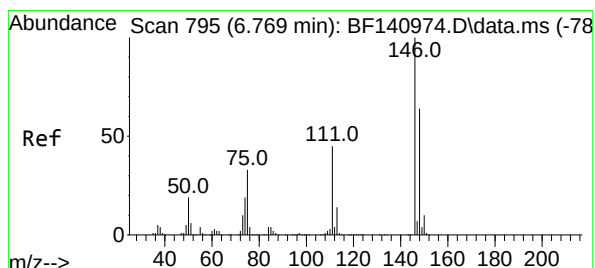
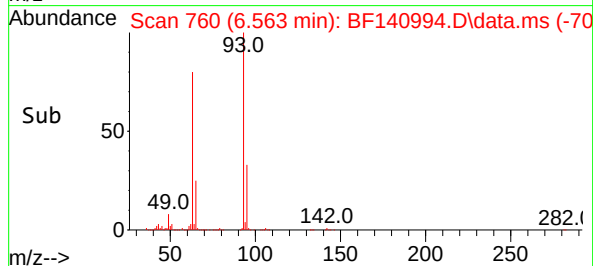
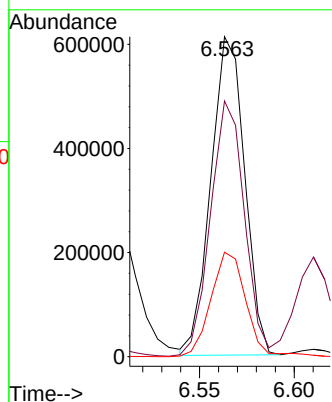
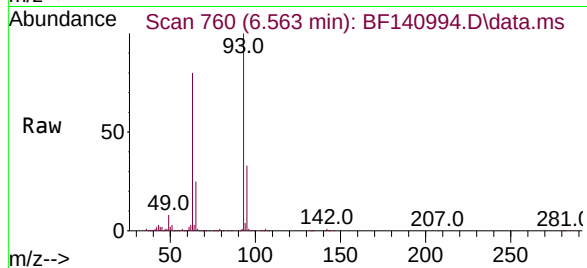
ClientSampleId :

SSTDCCC040

Tgt Ion: 93 Resp: 759114
Ion Ratio Lower Upper
93 100
63 79.9 60.3 100.3
95 32.7 12.2 52.2

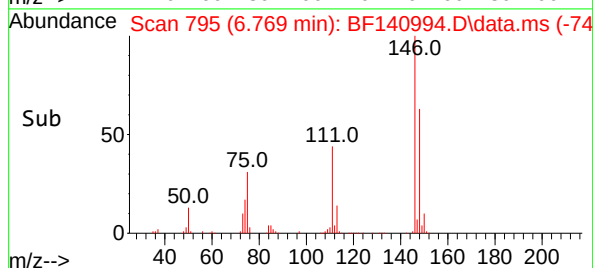
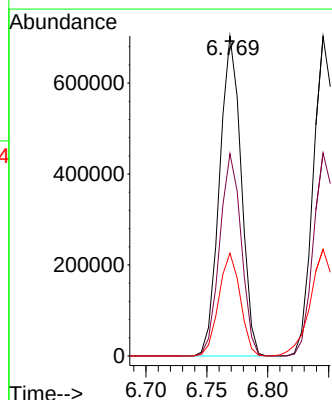
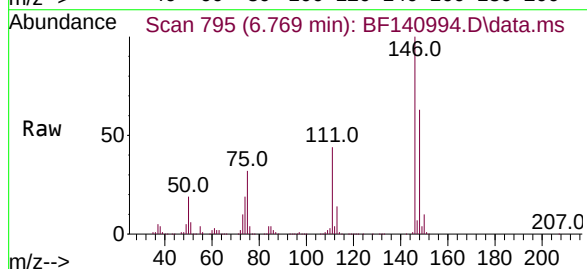
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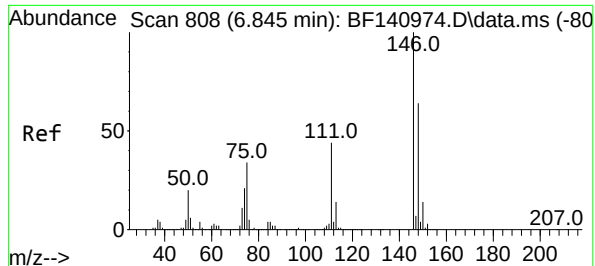
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#12
1,3-Dichlorobenzene
Concen: 38.974 ng
RT: 6.769 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Tgt Ion:146 Resp: 866844
Ion Ratio Lower Upper
146 100
148 63.2 51.0 76.4
75 32.1 26.1 39.1





#13

1,4-Dichlorobenzene

Concen: 38.694 ng

RT: 6.845 min Scan# 808

Delta R.T. 0.000 min

Lab File: BF140994.D

Acq: 27 Dec 2024 13:59

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:146 Resp: 867560

Ion Ratio Lower Upper

146 100

148 63.5 51.3 76.9

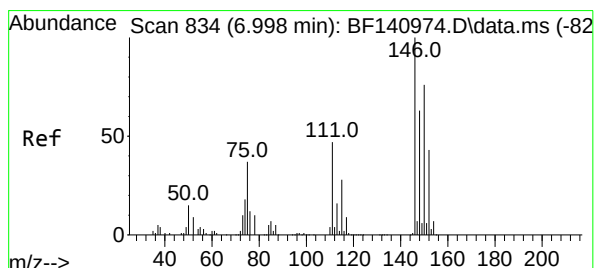
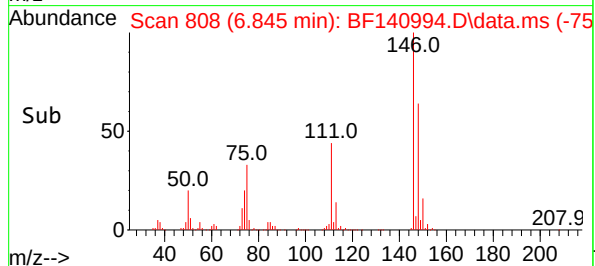
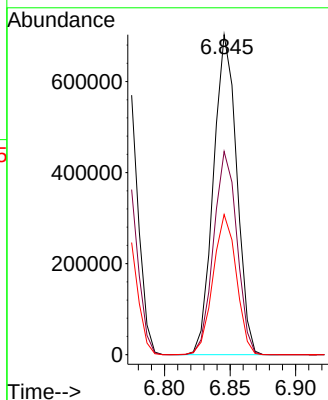
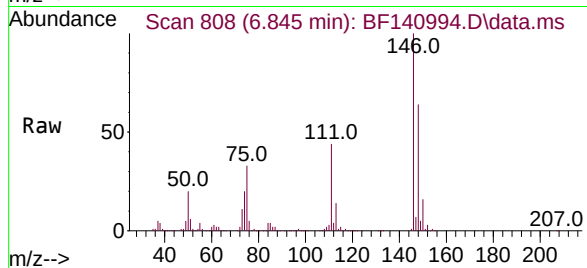
111 43.8 35.3 52.9

Manual Integrations

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Reviewed By :Yogesh Patel 12/30/2024

Supervised By :mohammad ahmed 12/30/2024



#14

1,2-Dichlorobenzene

Concen: 38.312 ng

RT: 6.998 min Scan# 834

Delta R.T. 0.000 min

Lab File: BF140994.D

Acq: 27 Dec 2024 13:59

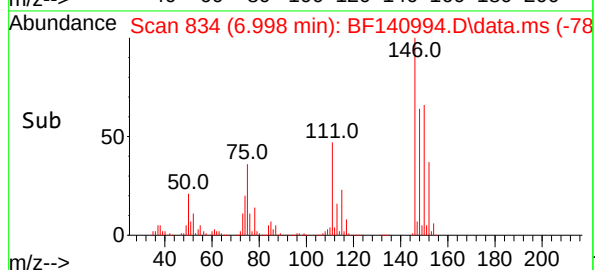
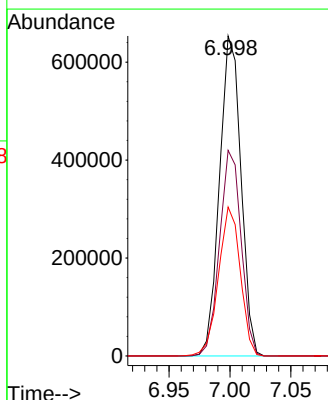
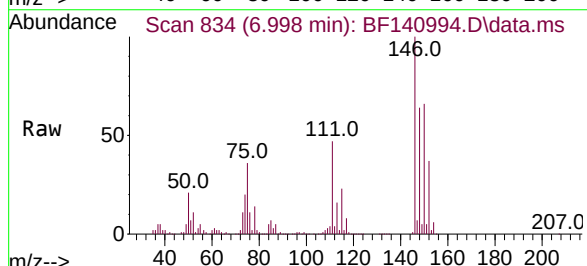
Tgt Ion:146 Resp: 800923

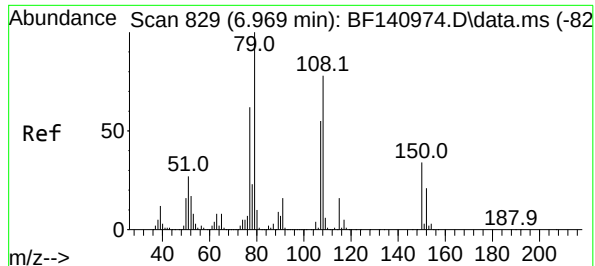
Ion Ratio Lower Upper

146 100

148 64.3 50.6 76.0

111 46.5 37.3 55.9





#15

Benzyl Alcohol

Concen: 37.984 ng

RT: 6.969 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF140994.D

Acq: 27 Dec 2024 13:59

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 79 Resp: 672138

Ion Ratio Lower Upper

79 100

108 77.7 62.5 93.7

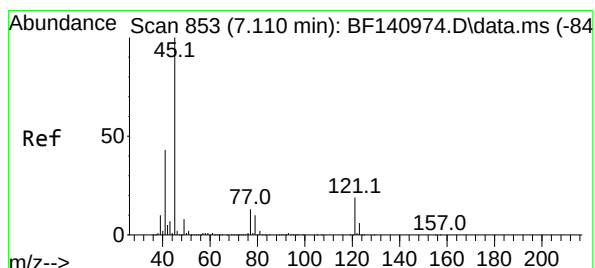
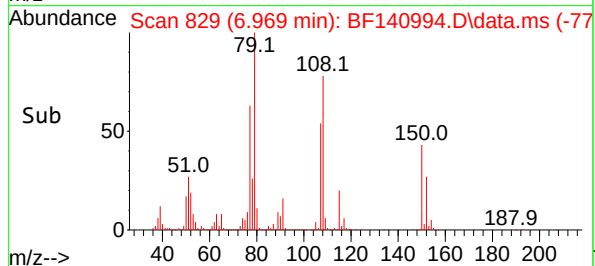
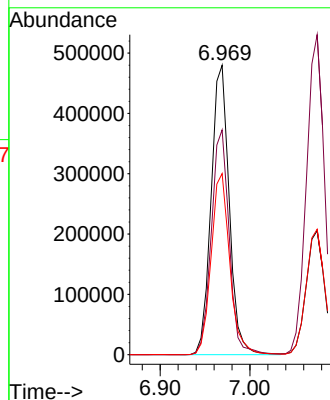
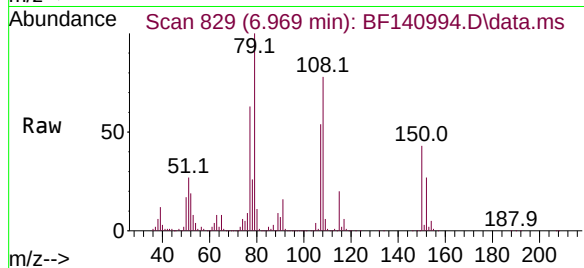
77 62.6 49.3 73.9

Manual Integrations

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Reviewed By :Yogesh Patel 12/30/2024

Supervised By :mohammad ahmed 12/30/2024



#16

2,2'-oxybis(1-Chloropropane)

Concen: 37.887 ng

RT: 7.104 min Scan# 852

Delta R.T. -0.006 min

Lab File: BF140994.D

Acq: 27 Dec 2024 13:59

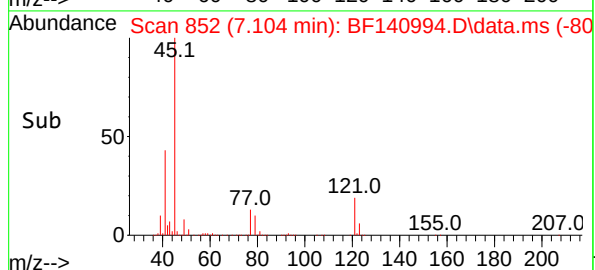
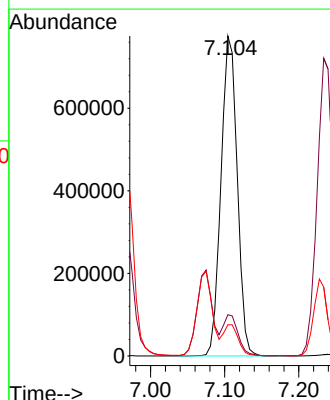
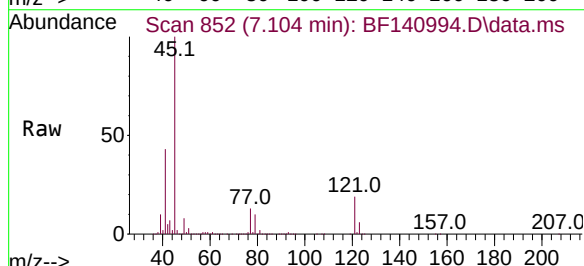
Tgt Ion: 45 Resp: 1177980

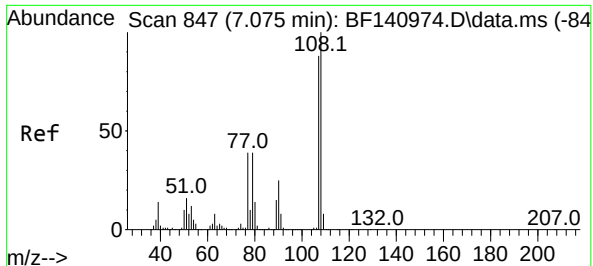
Ion Ratio Lower Upper

45 100

77 12.9 0.0 33.1

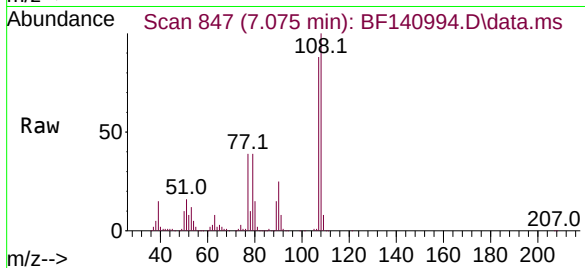
79 9.7 0.0 30.1





#17
2-Methylphenol
Concen: 38.327 ng
RT: 7.075 min Scan# 847
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

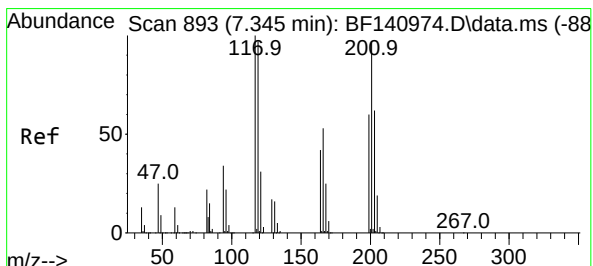
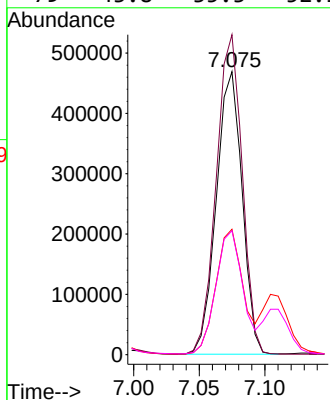
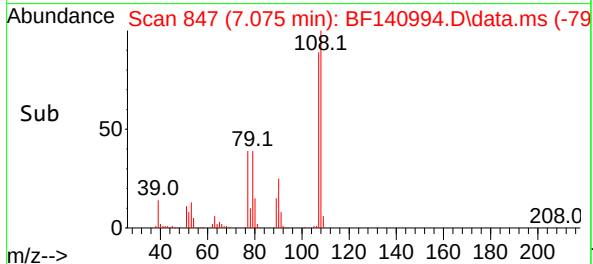
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:107 Resp: 641715
Ion Ratio Lower Upper
107 100
108 113.0 90.6 136.0
77 44.3 35.3 52.9
79 43.8 35.3 52.9

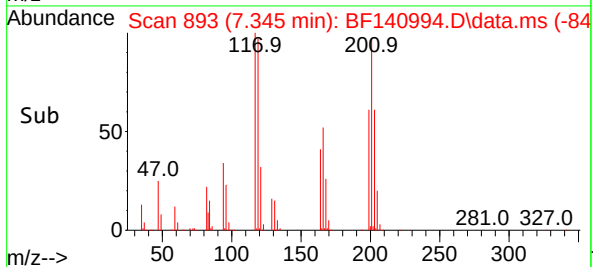
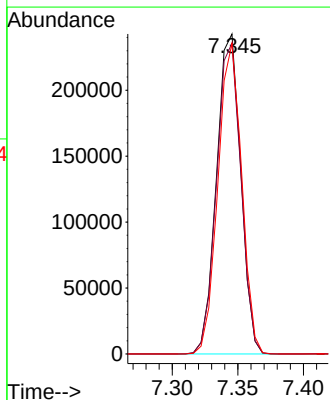
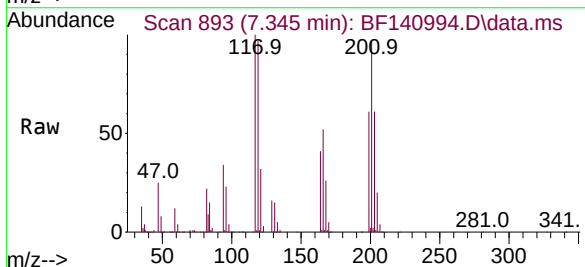
Manual Integrations
APPROVED

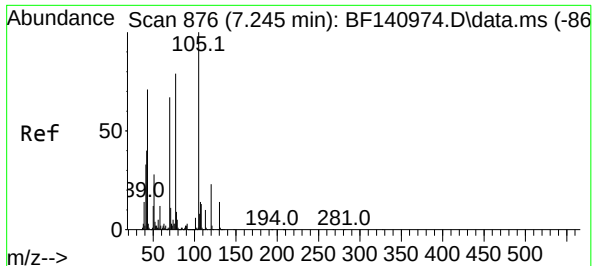
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#18
Hexachloroethane
Concen: 39.154 ng
RT: 7.345 min Scan# 893
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Tgt Ion:117 Resp: 311855
Ion Ratio Lower Upper
117 100
119 97.1 77.5 116.3
201 97.0 77.4 116.2





#19

n-Nitroso-di-n-propylamine

Concen: 36.927 ng

RT: 7.245 min Scan# 876

Delta R.T. 0.000 min

Lab File: BF140994.D

Acq: 27 Dec 2024 13:59

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 70 Resp: 55707

Ion Ratio Lower Upper

70 100

42 60.3 48.1 72.1

101 9.7 7.6 11.4

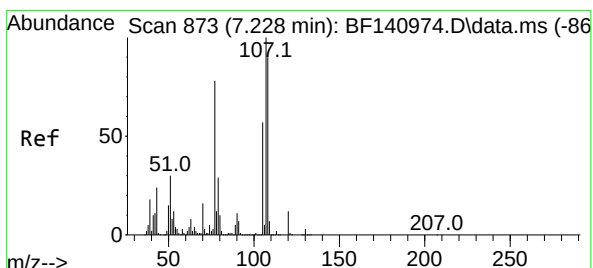
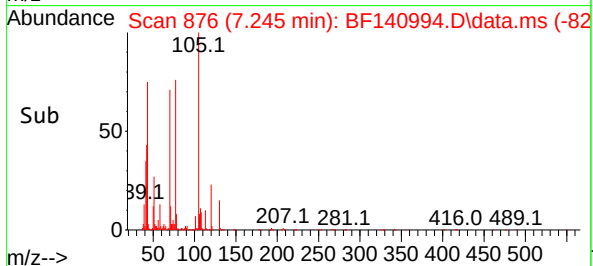
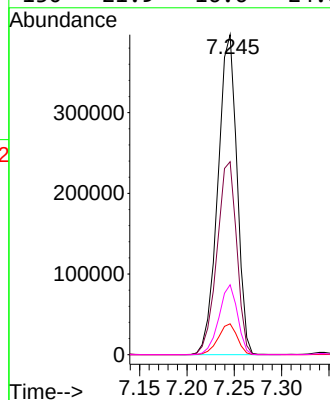
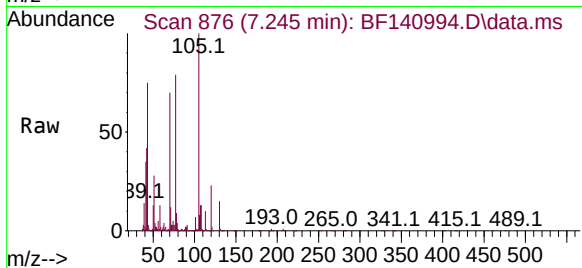
130 21.9 16.6 24.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/30/2024

Supervised By :mohammad ahmed 12/30/2024



#20

3+4-Methylphenols

Concen: 38.461 ng

RT: 7.228 min Scan# 873

Delta R.T. 0.000 min

Lab File: BF140994.D

Acq: 27 Dec 2024 13:59

Tgt Ion:107 Resp: 814911

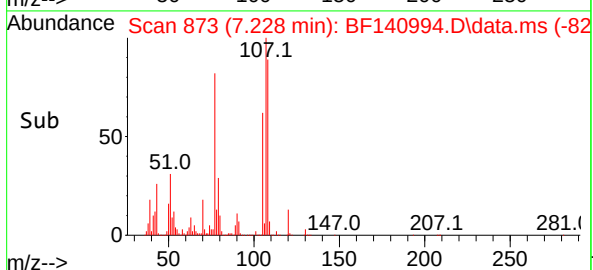
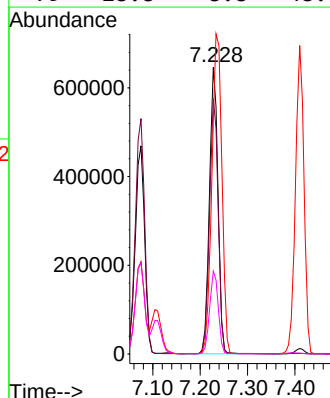
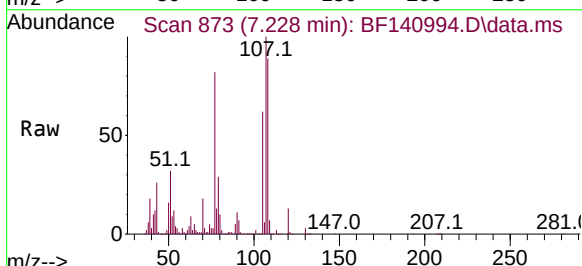
Ion Ratio Lower Upper

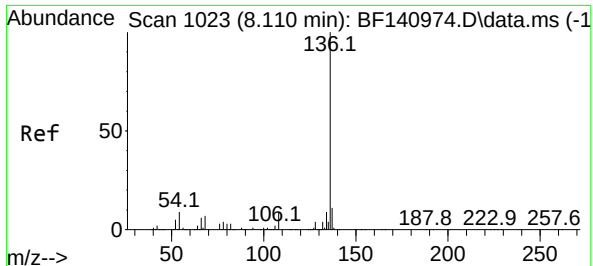
107 100

108 89.0 69.6 109.6

77 81.8 57.6 97.6

79 28.8 8.8 48.8





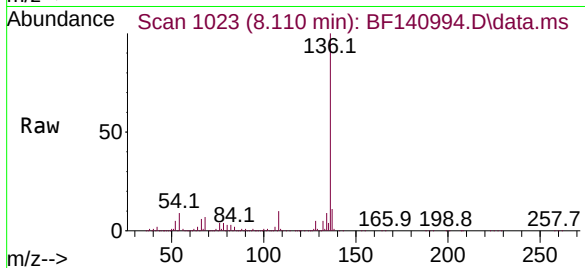
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

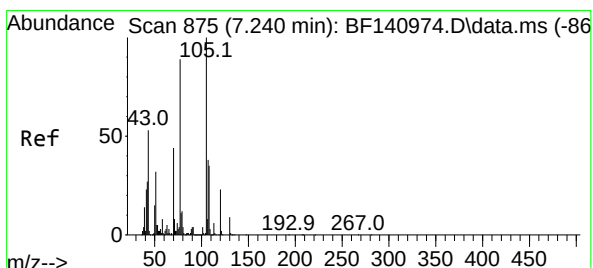
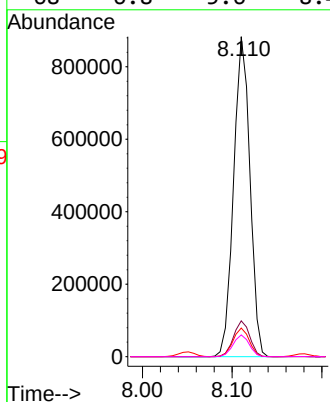
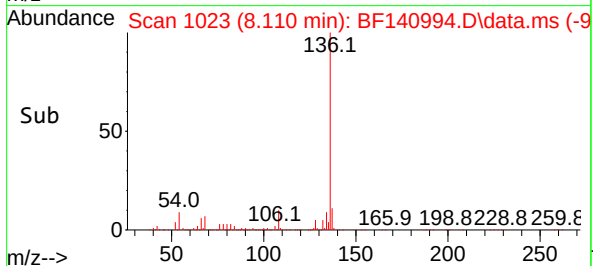


Tgt Ion:136 Resp: 1113818
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.4
54 8.9 7.6 11.4
68 6.8 5.6 8.4

Manual Integrations

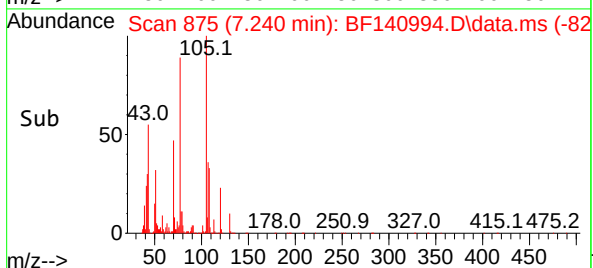
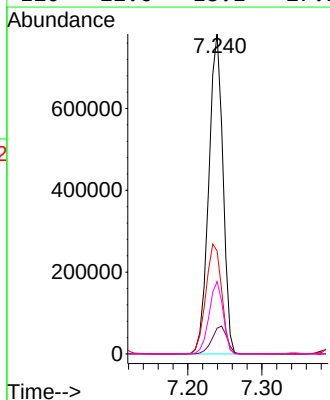
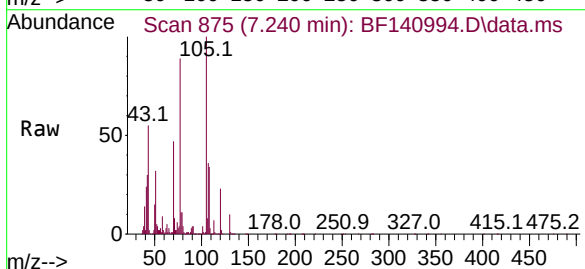
APPROVED

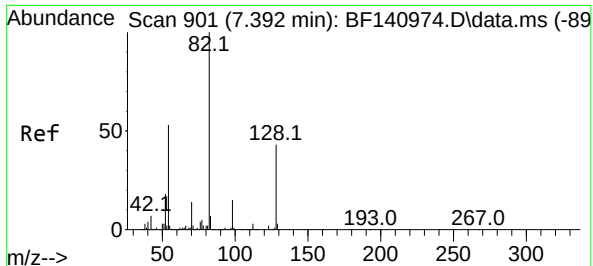
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#22
Acetophenone
Concen: 38.002 ng
RT: 7.240 min Scan# 875
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Tgt Ion:105 Resp: 1038352
Ion Ratio Lower Upper
105 100
71 8.0 6.1 9.1
51 32.2 25.8 38.6
120 22.6 18.1 27.1





#23

Nitrobenzene-d5

Concen: 91.990 ng

RT: 7.393 min Scan# 901

Delta R.T. 0.000 min

Lab File: BF140994.D

Acq: 27 Dec 2024 13:59

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 82 Resp: 1601498

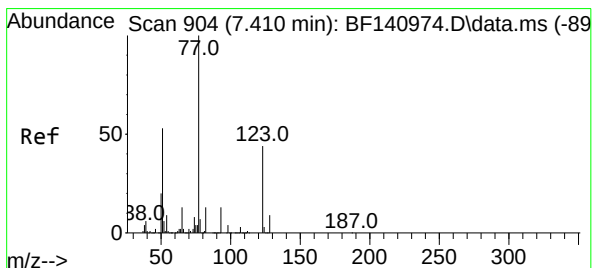
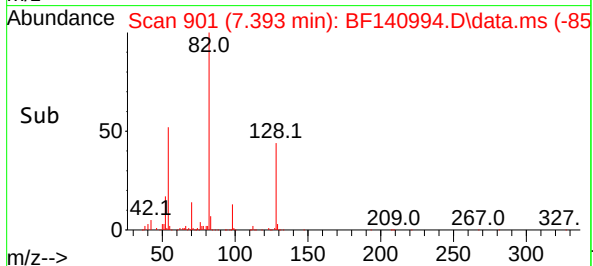
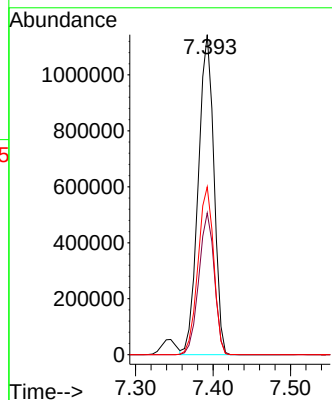
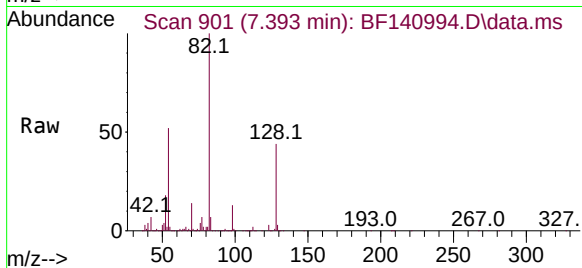
Ion	Ratio	Lower	Upper
82	100		
128	44.3	34.4	51.6
54	52.5	42.4	63.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/30/2024

Supervised By :mohammad ahmed 12/30/2024



#24

Nitrobenzene

Concen: 44.733 ng

RT: 7.410 min Scan# 904

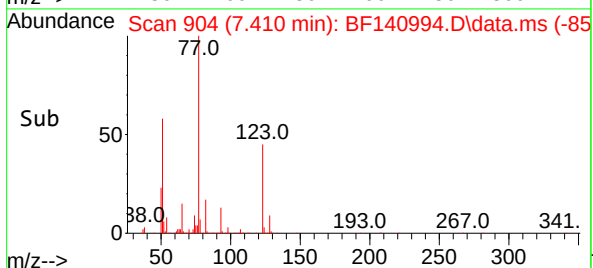
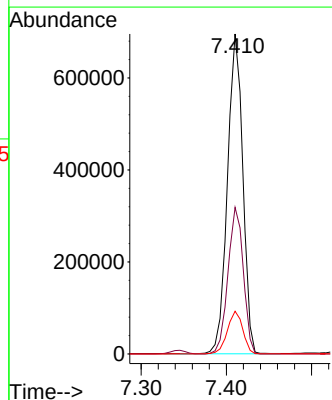
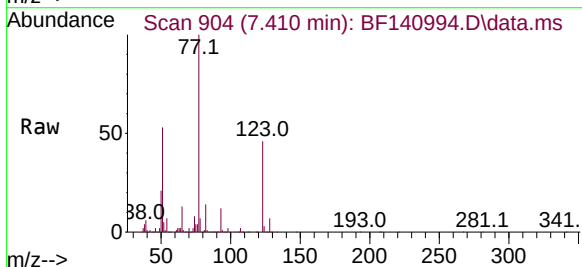
Delta R.T. 0.000 min

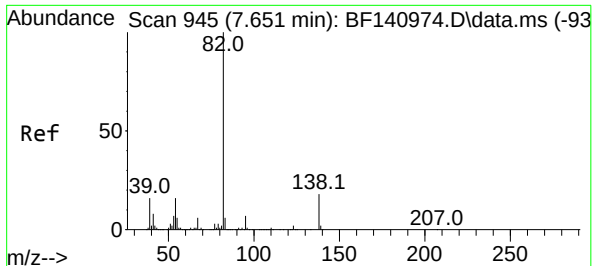
Lab File: BF140994.D

Acq: 27 Dec 2024 13:59

Tgt Ion: 77 Resp: 870199

Ion	Ratio	Lower	Upper
77	100		
123	45.8	35.4	53.2
65	13.3	10.7	16.1





#25

Isophorone

Concen: 38.034 ng

RT: 7.651 min Scan# 945

Delta R.T. 0.000 min

Lab File: BF140994.D

Acq: 27 Dec 2024 13:59

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 82 Resp: 144088

Ion Ratio Lower Upper

82 100

95 7.0 5.6 8.4

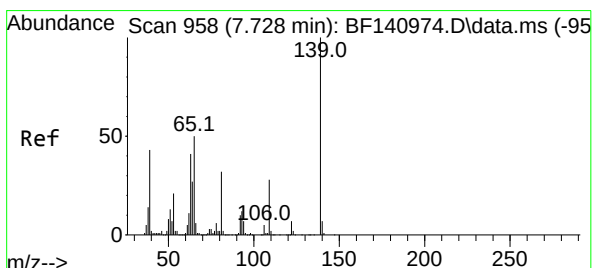
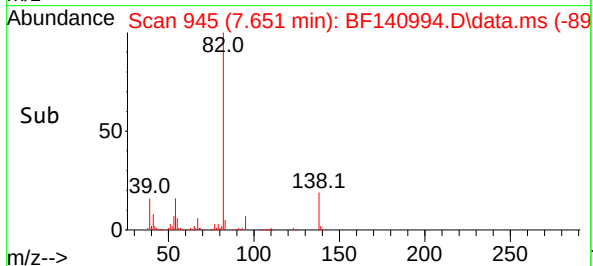
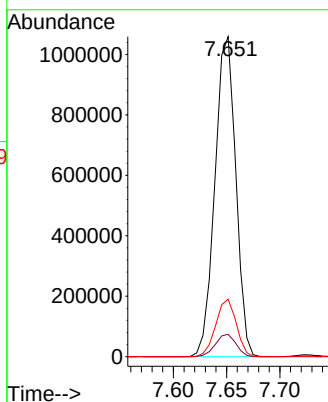
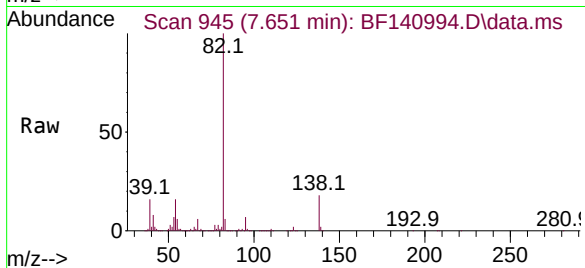
138 18.0 14.6 21.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/30/2024

Supervised By :mohammad ahmed 12/30/2024



#26

2-Nitrophenol

Concen: 45.034 ng

RT: 7.728 min Scan# 958

Delta R.T. -0.000 min

Lab File: BF140994.D

Acq: 27 Dec 2024 13:59

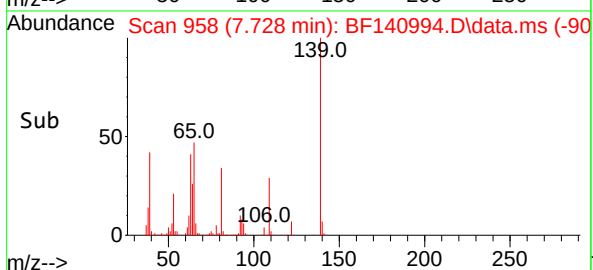
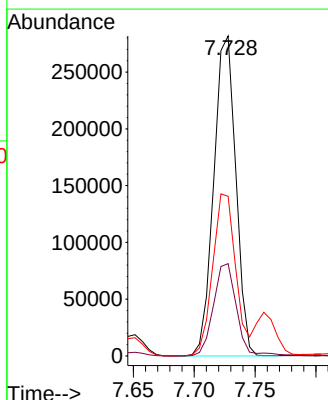
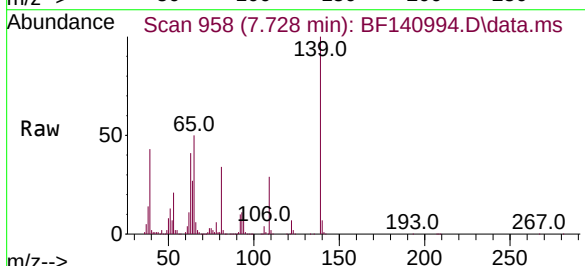
Tgt Ion:139 Resp: 356081

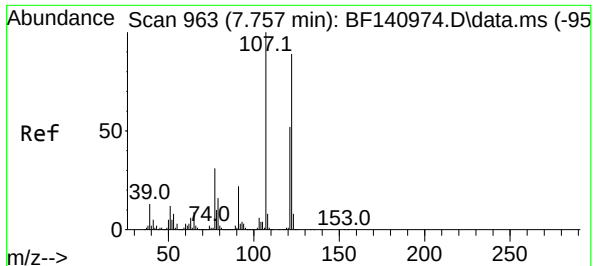
Ion Ratio Lower Upper

139 100

109 28.8 22.2 33.4

65 49.9 40.2 60.4





#27

2,4-Dimethylphenol

Concen: 39.199 ng

RT: 7.757 min Scan# 90

Delta R.T. 0.000 min

Lab File: BF140994.D

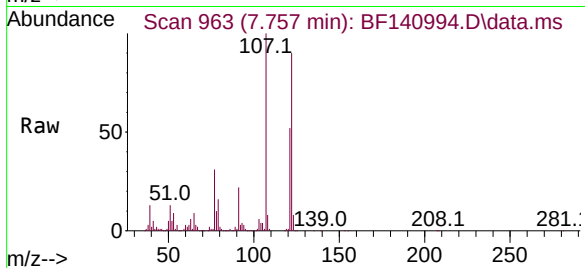
Acq: 27 Dec 2024 13:59

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:122 Resp: 542720

Ion Ratio Lower Upper

122 100

107 111.7 89.4 134.2

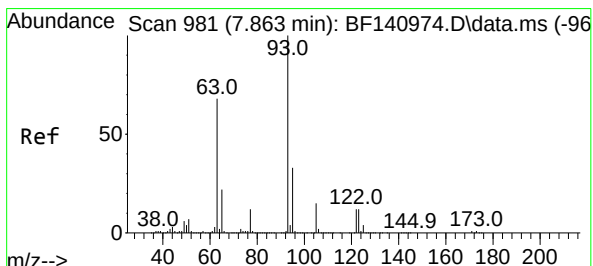
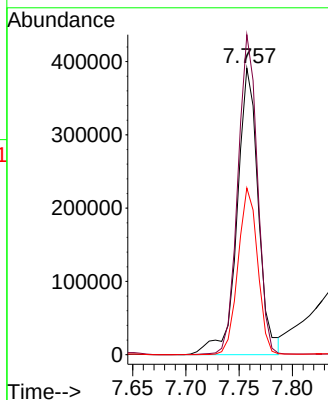
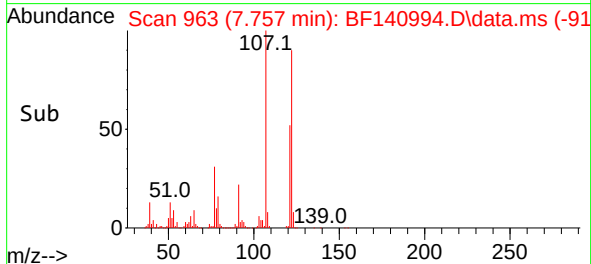
121 58.2 46.7 70.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/30/2024

Supervised By :mohammad ahmed 12/30/2024



#28

bis(2-Chloroethoxy)methane

Concen: 37.937 ng

RT: 7.863 min Scan# 981

Delta R.T. 0.000 min

Lab File: BF140994.D

Acq: 27 Dec 2024 13:59

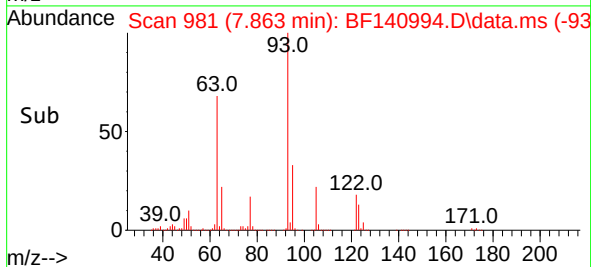
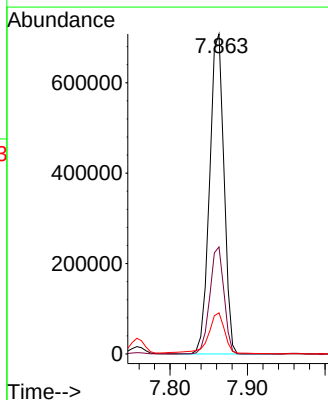
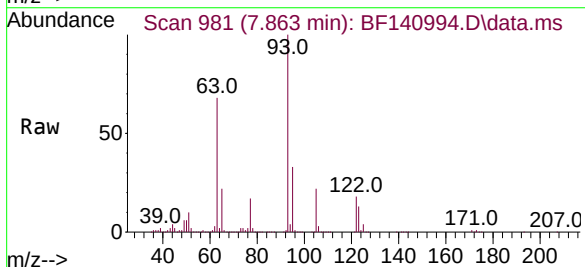
Tgt Ion: 93 Resp: 910595

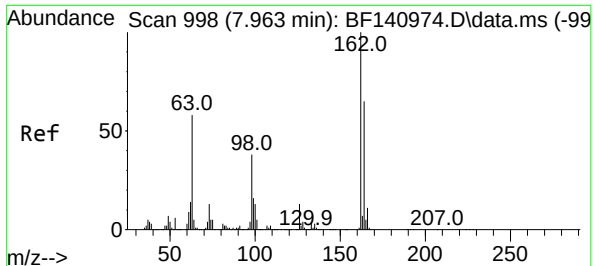
Ion Ratio Lower Upper

93 100

95 33.5 26.2 39.4

123 12.9 9.9 14.9





#29

2,4-Dichlorophenol

Concen: 39.596 ng

RT: 7.963 min Scan# 998

Delta R.T. 0.000 min

Lab File: BF140994.D

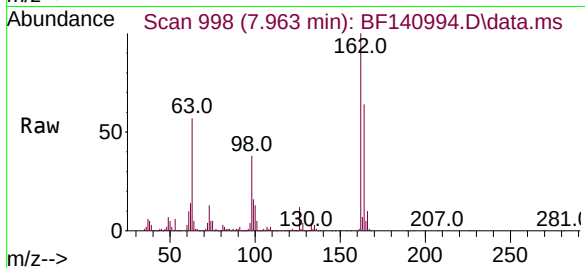
Acq: 27 Dec 2024 13:59

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:162 Resp: 621770

Ion Ratio Lower Upper

162 100

164 64.0 44.8 84.8

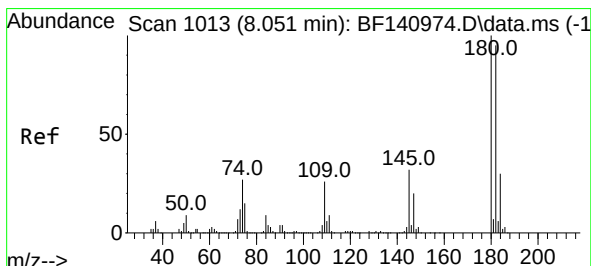
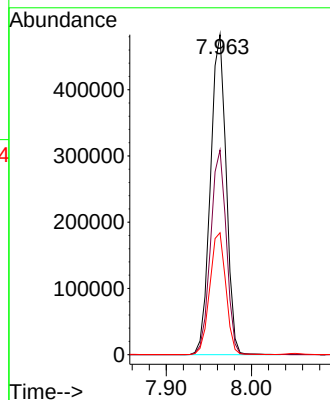
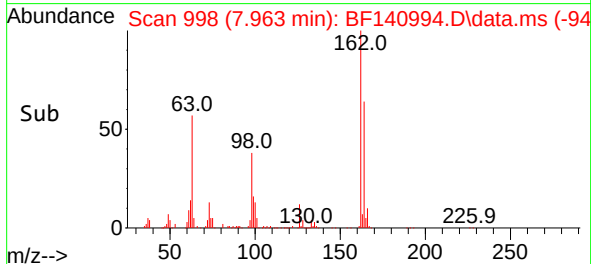
98 38.1 18.6 58.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/30/2024

Supervised By :mohammad ahmed 12/30/2024



#30

1,2,4-Trichlorobenzene

Concen: 39.171 ng

RT: 8.051 min Scan# 1013

Delta R.T. 0.000 min

Lab File: BF140994.D

Acq: 27 Dec 2024 13:59

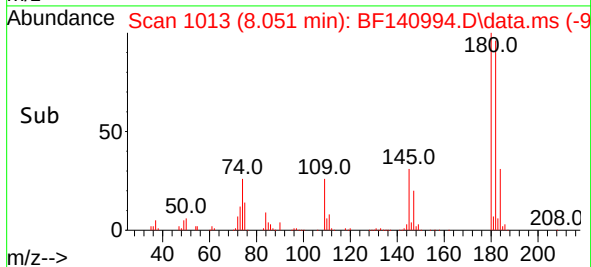
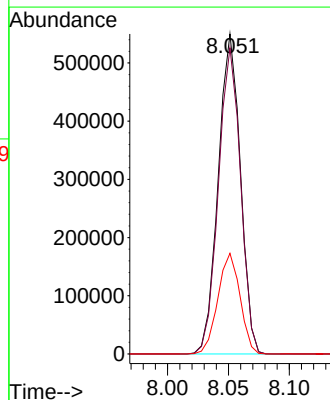
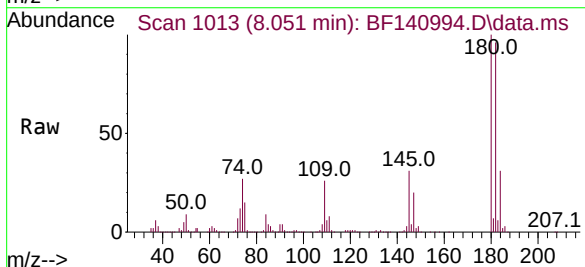
Tgt Ion:180 Resp: 696183

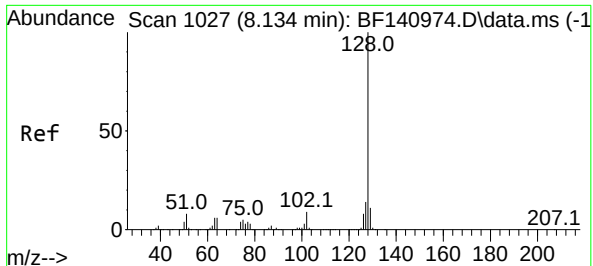
Ion Ratio Lower Upper

180 100

182 95.7 76.2 114.4

145 31.4 25.4 38.2





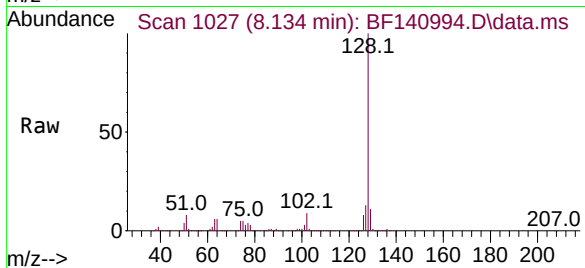
#31
Naphthalene
Concen: 38.456 ng
RT: 8.134 min Scan# 1027
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



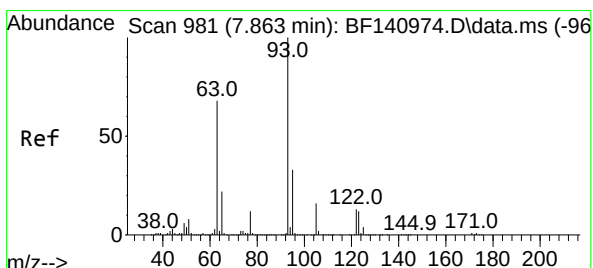
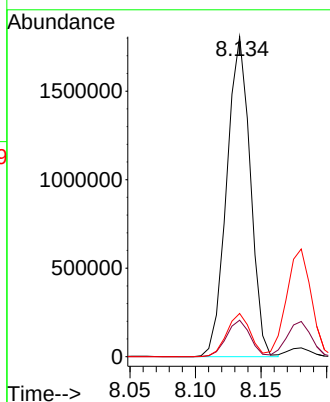
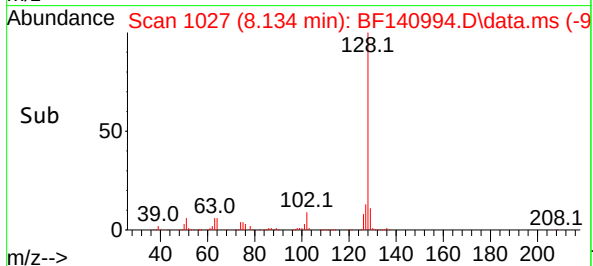
Tgt Ion:128 Resp: 2257008
Ion Ratio Lower Upper
128 100
129 11.4 9.2 13.8
127 13.5 11.0 16.4

Manual Integrations

APPROVED

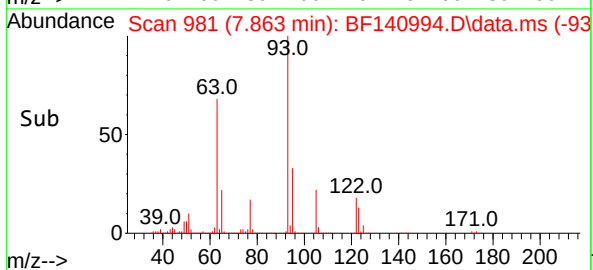
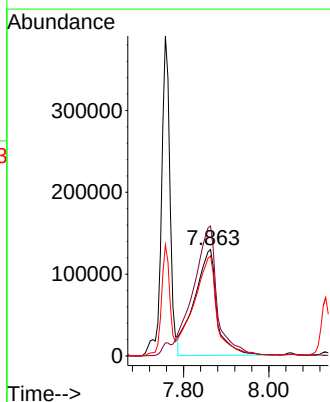
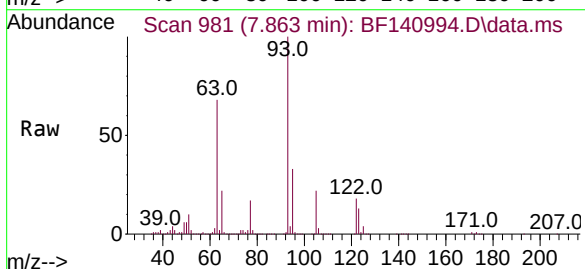
Reviewed By :Yogesh Patel 12/30/2024

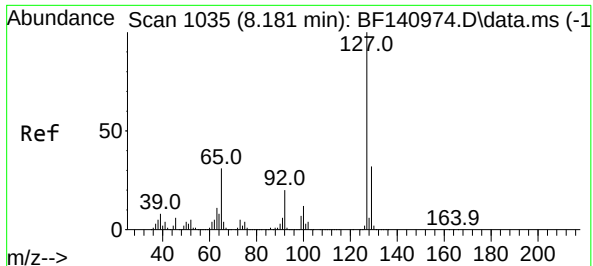
Supervised By :mohammad ahmed 12/30/2024



#32
Benzoic acid
Concen: 43.059 ng
RT: 7.863 min Scan# 981
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Tgt Ion:122 Resp: 479873
Ion Ratio Lower Upper
122 100
105 122.1 105.4 145.4
77 94.0 76.4 116.4





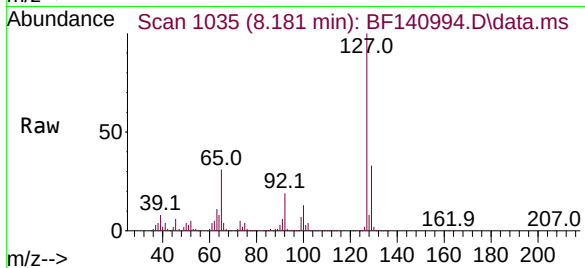
#33
4-Chloroaniline
Concen: 37.952 ng
RT: 8.181 min Scan# 1035
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

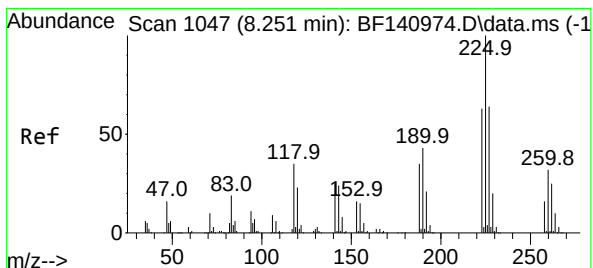
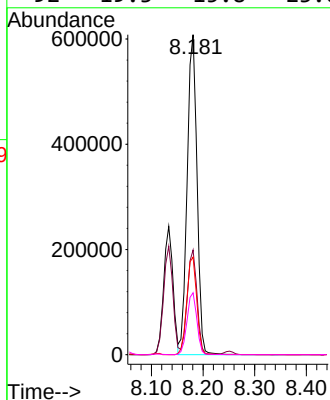
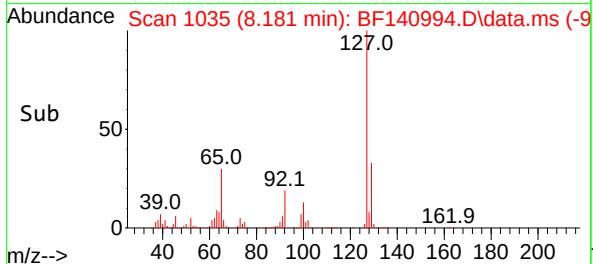


Tgt Ion:127 Resp: 805822
Ion Ratio Lower Upper
127 100
129 32.7 26.1 39.1
65 30.5 24.6 37.0
92 19.3 15.8 23.6

Manual Integrations

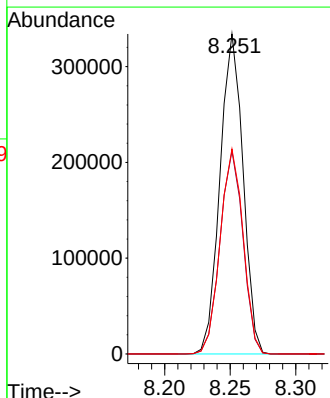
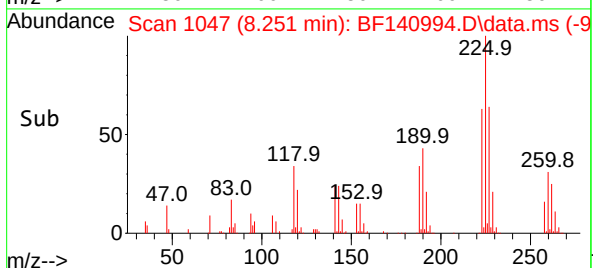
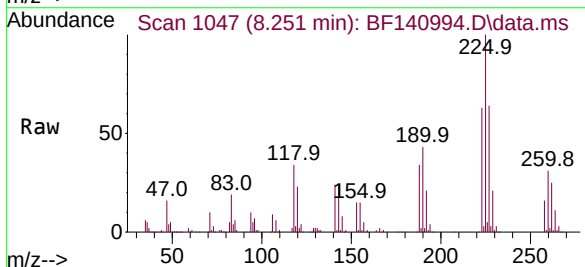
APPROVED

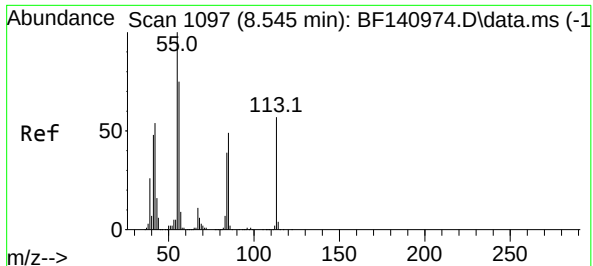
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#34
Hexachlorobutadiene
Concen: 38.912 ng
RT: 8.251 min Scan# 1047
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Tgt Ion:225 Resp: 407709
Ion Ratio Lower Upper
225 100
223 63.4 50.3 75.5
227 64.0 50.8 76.2





#35

Caprolactam

Concen: 39.233 ng m

RT: 8.545 min Scan# 1097

Delta R.T. 0.000 min

Lab File: BF140994.D

Acq: 27 Dec 2024 13:59

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:113 Resp: 209430

Ion Ratio Lower Upper

113 100

55 175.2 156.6 196.6

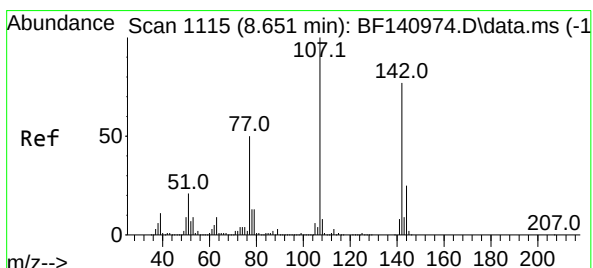
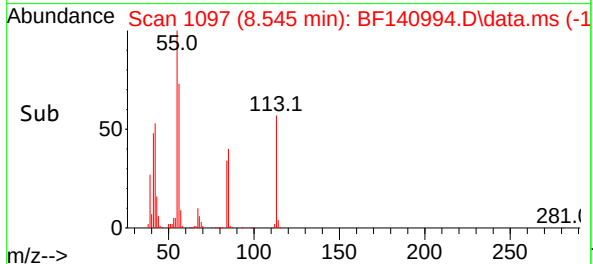
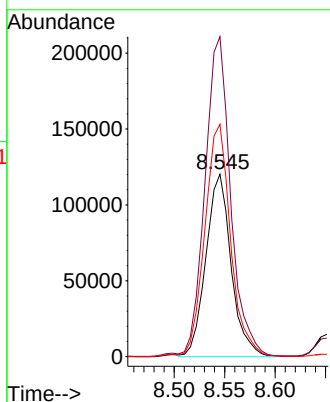
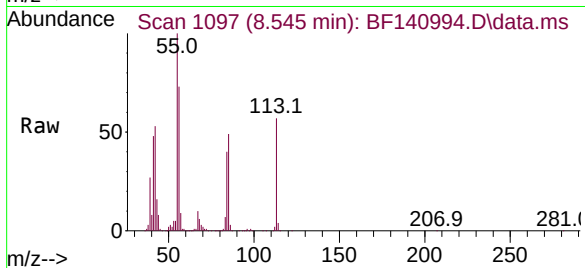
56 127.2 111.7 151.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/30/2024

Supervised By :mohammad ahmed 12/30/2024



#36

4-Chloro-3-methylphenol

Concen: 38.663 ng

RT: 8.651 min Scan# 1115

Delta R.T. 0.000 min

Lab File: BF140994.D

Acq: 27 Dec 2024 13:59

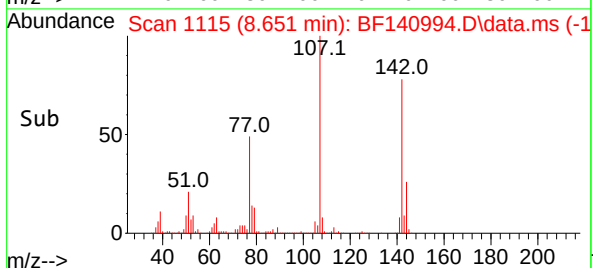
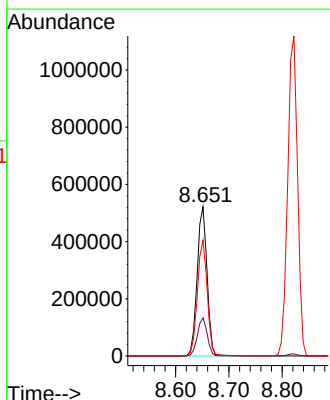
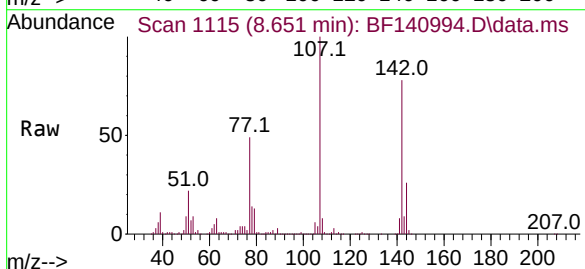
Tgt Ion:107 Resp: 674230

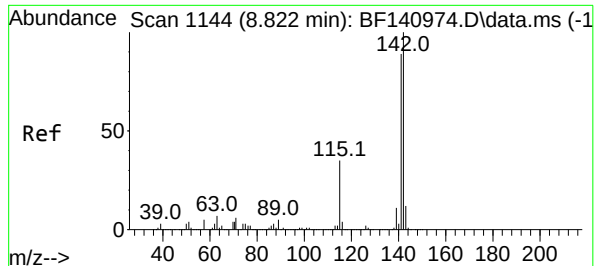
Ion Ratio Lower Upper

107 100

144 25.6 19.9 29.9

142 77.7 61.8 92.8





#37

2-Methylnaphthalene

Concen: 38.321 ng

RT: 8.822 min Scan# 1144

Delta R.T. 0.000 min

Lab File: BF140994.D

Acq: 27 Dec 2024 13:59

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:142 Resp: 143883

Ion Ratio Lower Upper

142 100

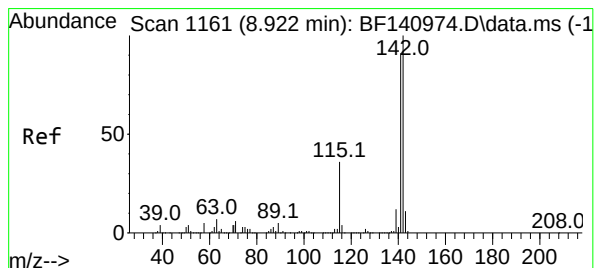
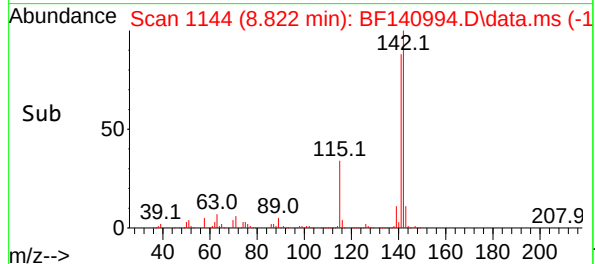
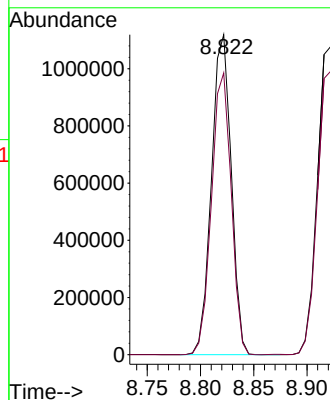
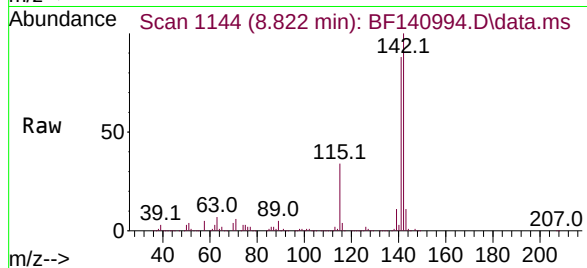
141 88.1 71.1 106.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/30/2024

Supervised By :mohammad ahmed 12/30/2024



#38

1-Methylnaphthalene

Concen: 37.754 ng

RT: 8.922 min Scan# 1161

Delta R.T. 0.000 min

Lab File: BF140994.D

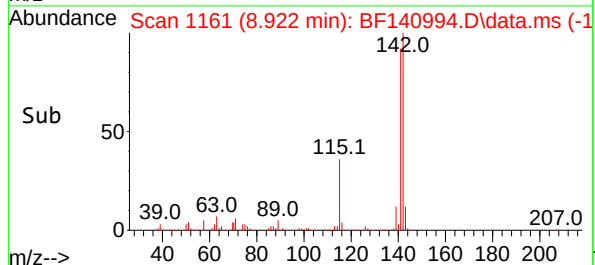
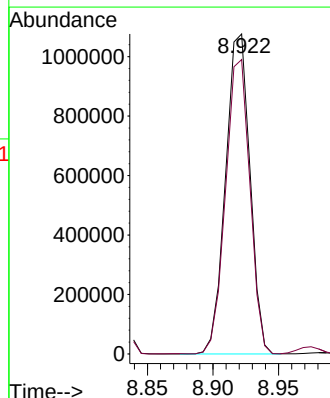
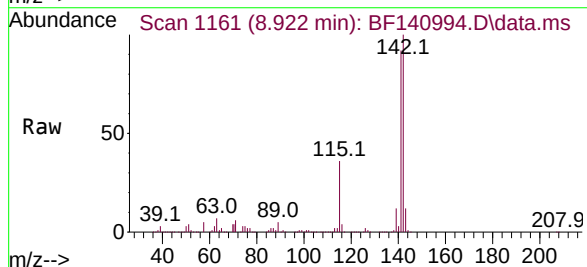
Acq: 27 Dec 2024 13:59

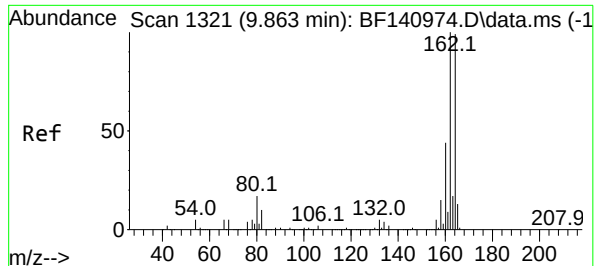
Tgt Ion:142 Resp: 1393127

Ion Ratio Lower Upper

142 100

141 92.0 72.7 109.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.863 min Scan# 1172

Delta R.T. 0.000 min

Lab File: BF140994.D

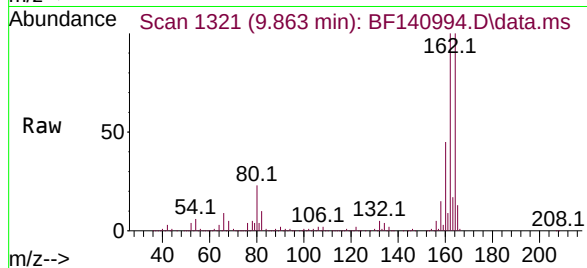
Acq: 27 Dec 2024 13:59

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:164 Resp: 58582

Ion Ratio Lower Upper

164 100

162 99.8 80.6 120.8

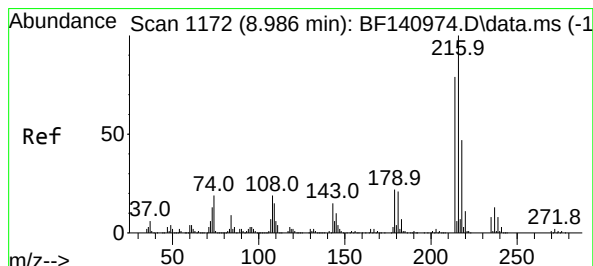
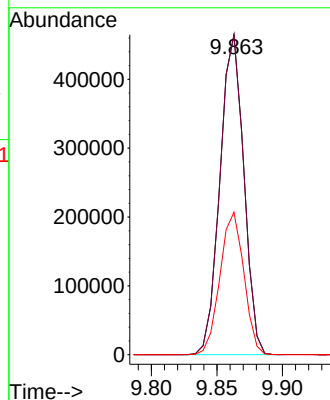
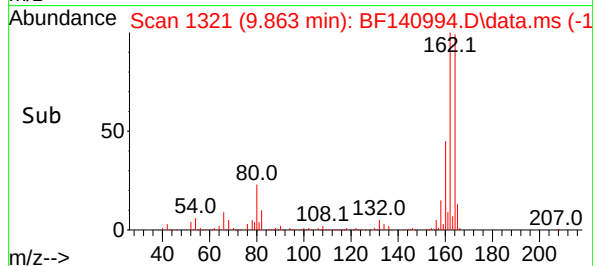
160 44.5 35.7 53.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/30/2024

Supervised By :mohammad ahmed 12/30/2024



#40

1,2,4,5-Tetrachlorobenzene

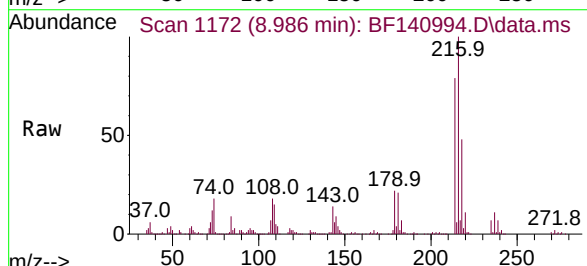
Concen: 39.245 ng

RT: 8.986 min Scan# 1172

Delta R.T. 0.000 min

Lab File: BF140994.D

Acq: 27 Dec 2024 13:59



Tgt Ion:216 Resp: 632502

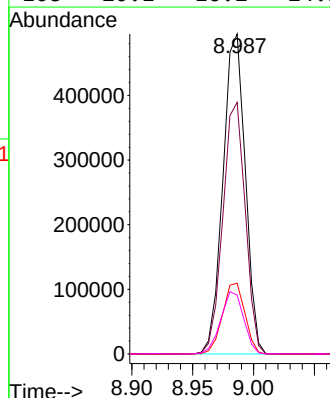
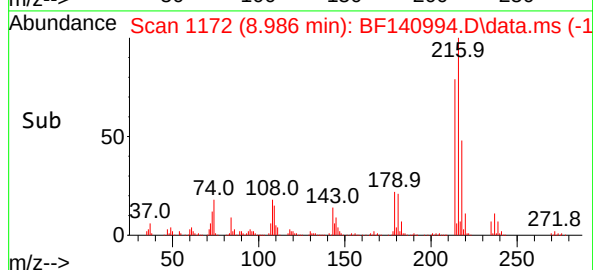
Ion Ratio Lower Upper

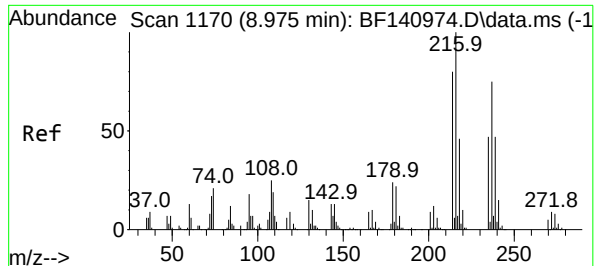
216 100

214 78.7 63.0 94.6

179 22.3 17.9 26.9

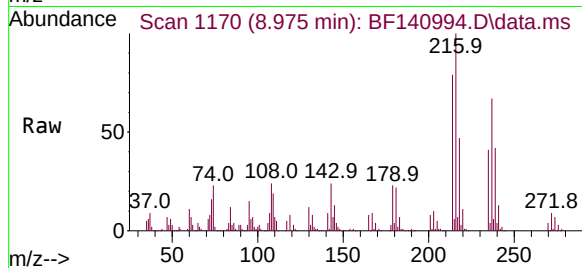
108 20.1 16.2 24.2





#41
Hexachlorocyclopentadiene
Concen: 40.751 ng
RT: 8.975 min Scan# 1170
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

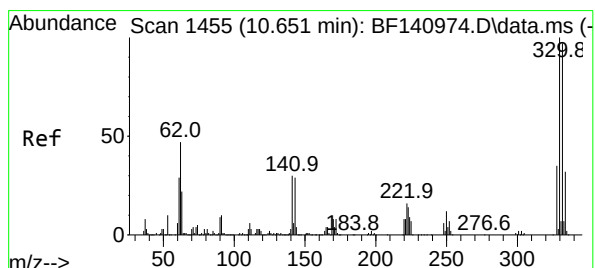
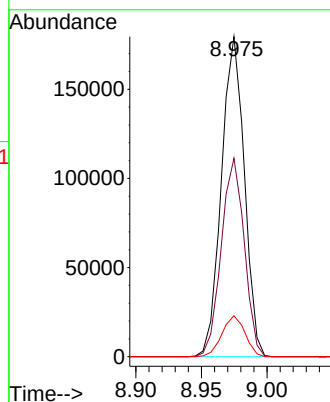
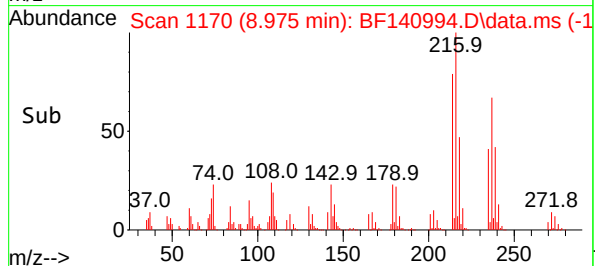
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



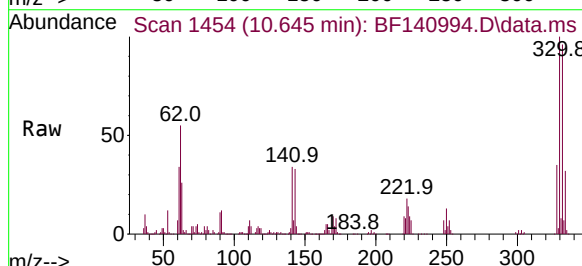
Tgt Ion:237 Resp: 21764
Ion Ratio Lower Upper
237 100
235 62.0 43.4 83.4
272 12.8 0.0 32.6

Manual Integrations
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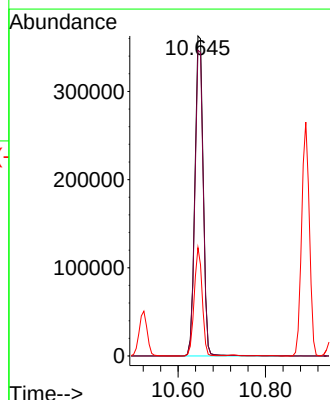
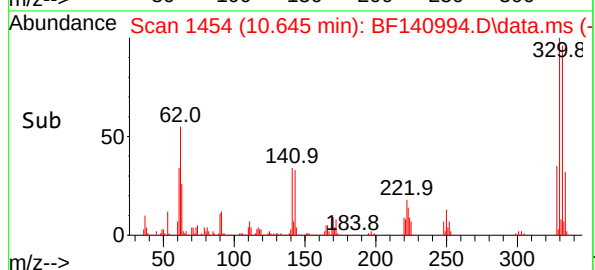
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

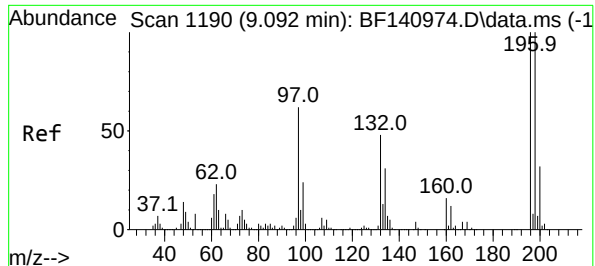


#42
2,4,6-Tribromophenol
Concen: 84.432 ng
RT: 10.645 min Scan# 1454
Delta R.T. -0.006 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59



Tgt Ion:330 Resp: 480628
Ion Ratio Lower Upper
330 100
332 95.5 78.0 117.0
141 32.4 26.4 39.6





#43

2,4,6-Trichlorophenol

Concen: 40.100 ng

RT: 9.092 min Scan# 1190

Delta R.T. 0.000 min

Lab File: BF140994.D

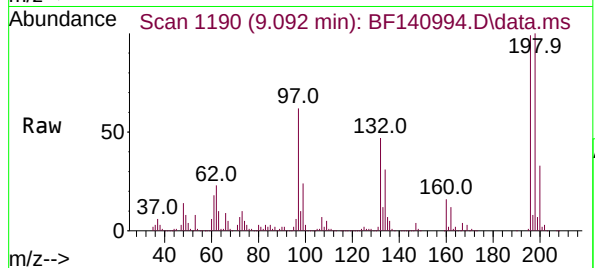
Acq: 27 Dec 2024 13:59

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:196 Resp: 430134

Ion Ratio Lower Upper

196 100

198 100.9 80.2 120.4

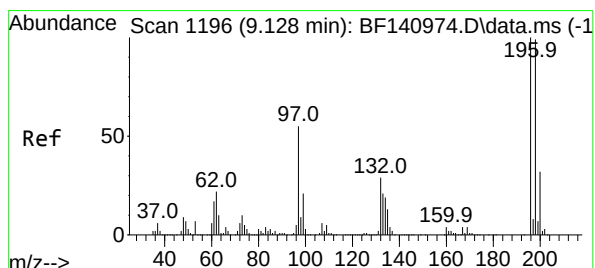
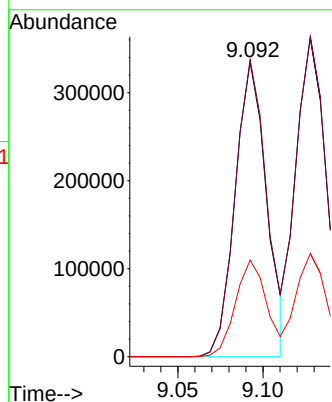
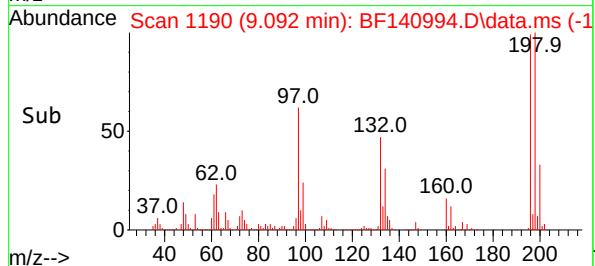
200 32.9 25.8 38.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/30/2024

Supervised By :mohammad ahmed 12/30/2024



#44

2,4,5-Trichlorophenol

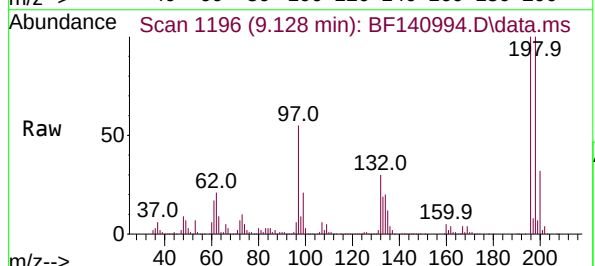
Concen: 41.204 ng

RT: 9.128 min Scan# 1196

Delta R.T. 0.000 min

Lab File: BF140994.D

Acq: 27 Dec 2024 13:59



Tgt Ion:196 Resp: 452225

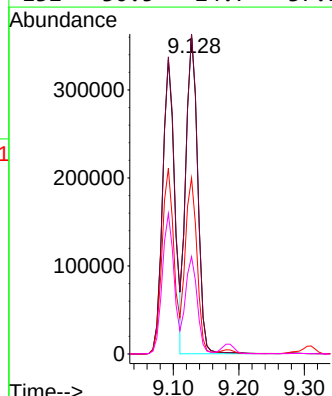
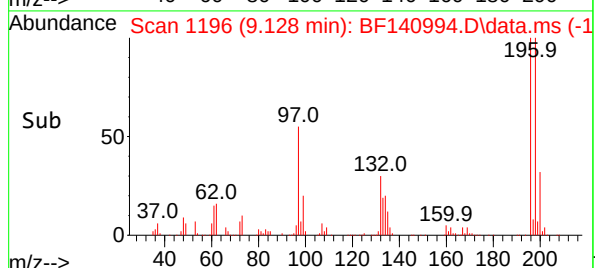
Ion Ratio Lower Upper

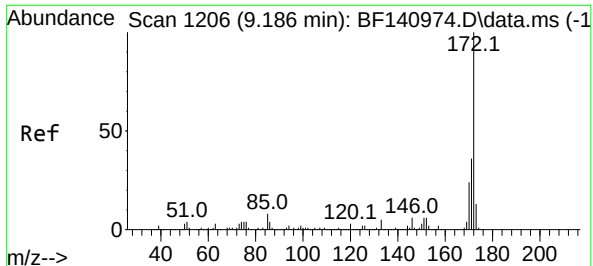
196 100

198 100.3 79.9 119.9

97 55.2 44.3 66.5

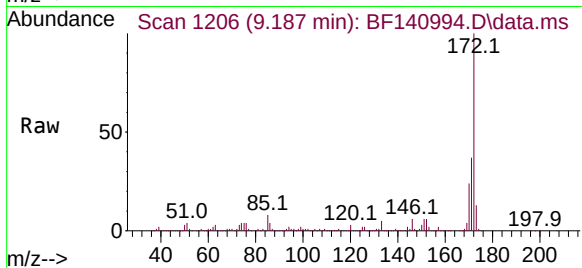
132 30.5 24.7 37.1





#45
2-Fluorobiphenyl
Concen: 75.089 ng
RT: 9.187 min Scan# 1206
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

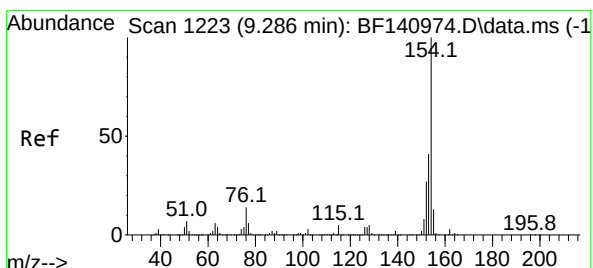
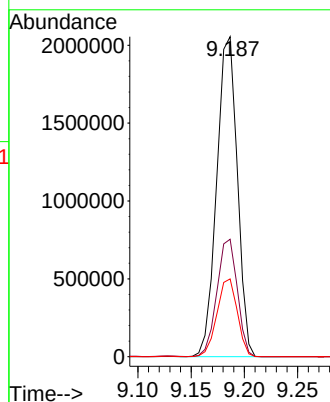
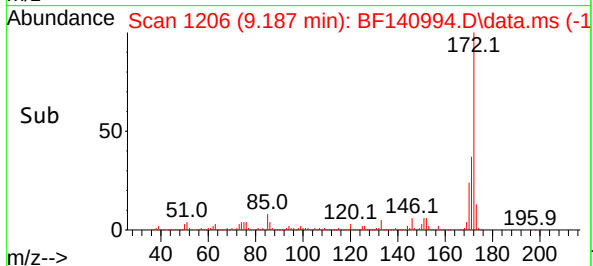
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:172 Resp: 2760974
Ion Ratio Lower Upper
172 100
171 36.7 29.0 43.4
170 24.3 19.6 29.4

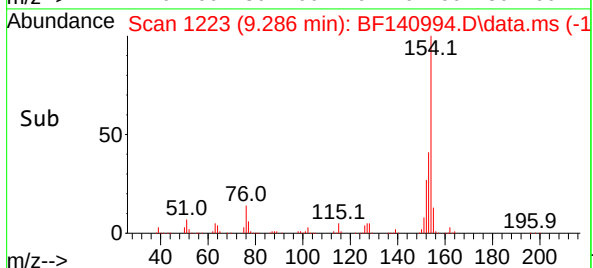
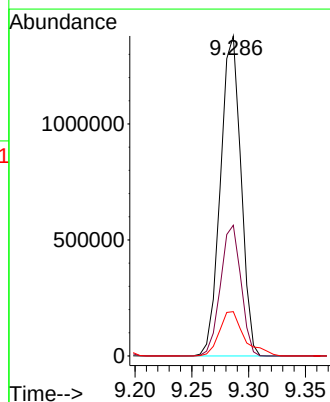
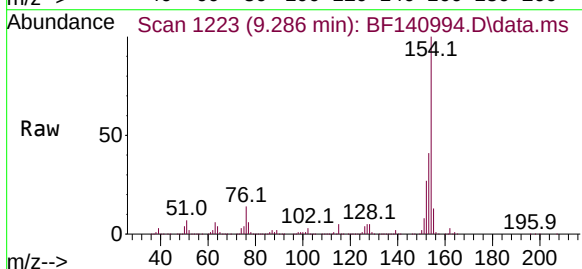
Manual Integrations
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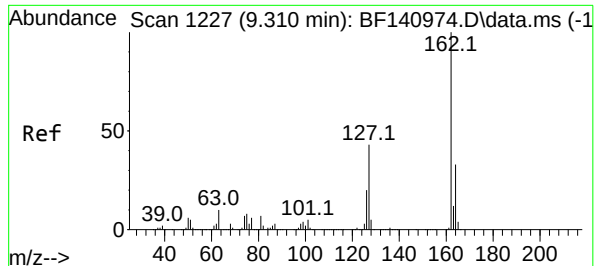
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#46
1,1'-Biphenyl
Concen: 38.706 ng
RT: 9.286 min Scan# 1223
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Tgt Ion:154 Resp: 1736208
Ion Ratio Lower Upper
154 100
153 40.8 20.9 60.9
76 13.8 0.0 34.0





#47

2-Chloronaphthalene

Concen: 38.378 ng

RT: 9.310 min Scan# 1227

Delta R.T. 0.000 min

Lab File: BF140994.D

Acq: 27 Dec 2024 13:59

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:162 Resp: 133512

Ion Ratio Lower Upper

162 100

127 42.4 34.2 51.4

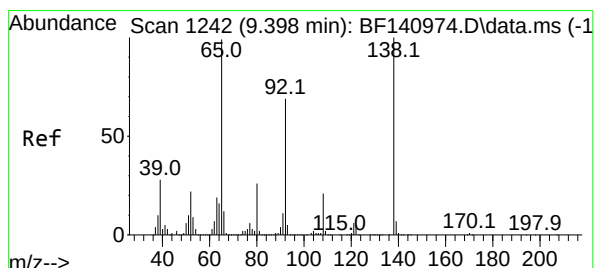
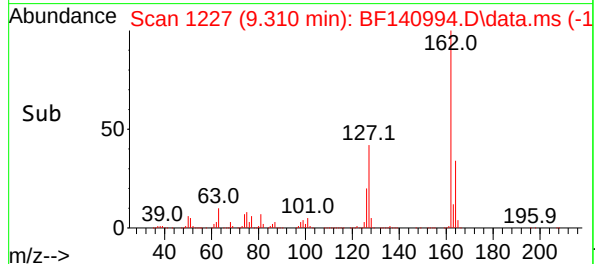
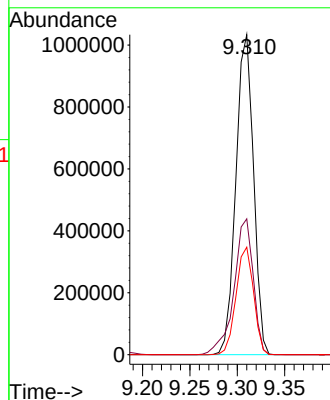
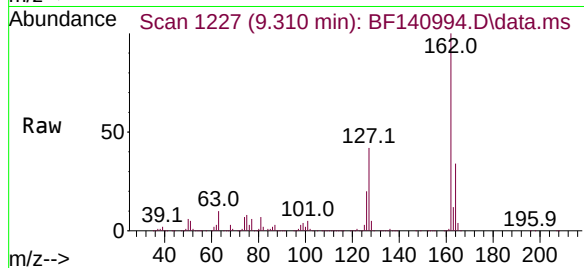
164 33.6 26.6 40.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/30/2024

Supervised By :mohammad ahmed 12/30/2024



#48

2-Nitroaniline

Concen: 45.257 ng

RT: 9.398 min Scan# 1242

Delta R.T. 0.000 min

Lab File: BF140994.D

Acq: 27 Dec 2024 13:59

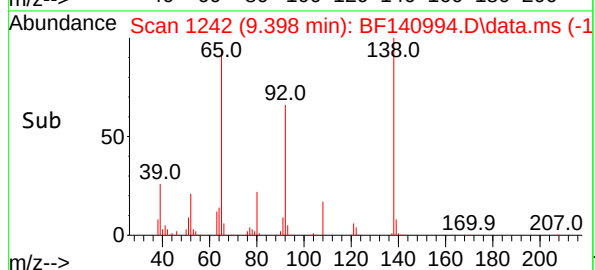
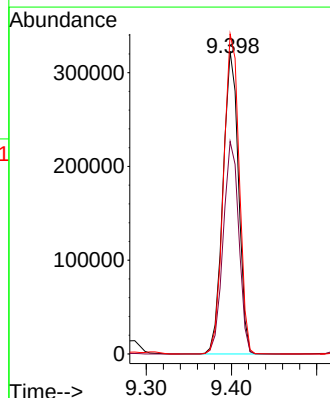
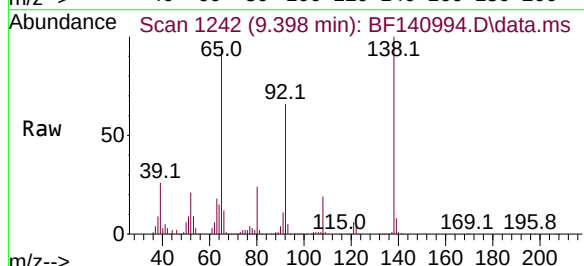
Tgt Ion: 65 Resp: 409210

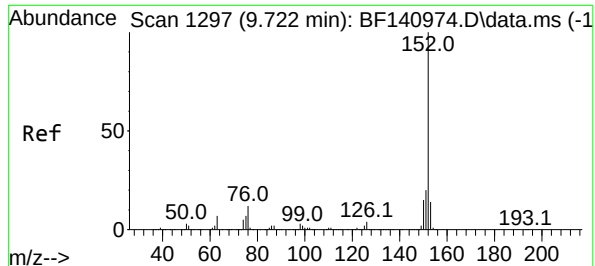
Ion Ratio Lower Upper

65 100

92 70.2 55.6 83.4

138 105.8 80.5 120.7





#49

Acenaphthylene

Concen: 38.857 ng

RT: 9.722 min Scan# 1297

Delta R.T. -0.000 min

Lab File: BF140994.D

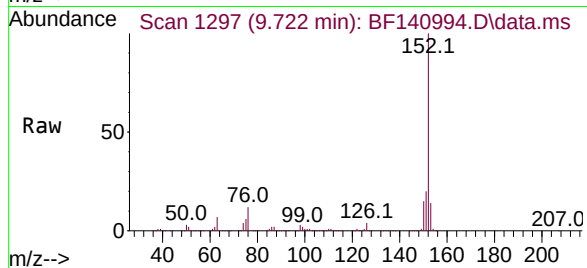
Acq: 27 Dec 2024 13:59

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:152 Resp: 1945990

Ion Ratio Lower Upper

152 100

151 20.4 16.2 24.4

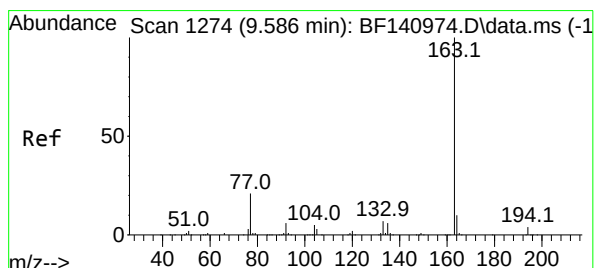
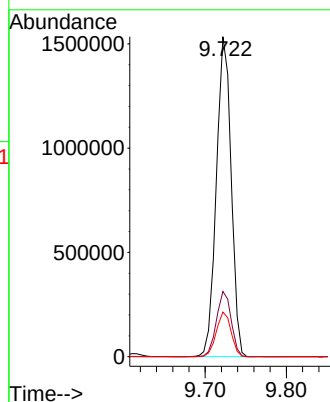
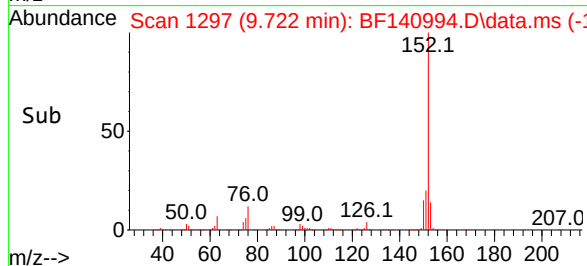
153 14.0 11.4 17.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/30/2024

Supervised By :mohammad ahmed 12/30/2024



#50

Dimethylphthalate

Concen: 38.961 ng

RT: 9.586 min Scan# 1274

Delta R.T. 0.000 min

Lab File: BF140994.D

Acq: 27 Dec 2024 13:59

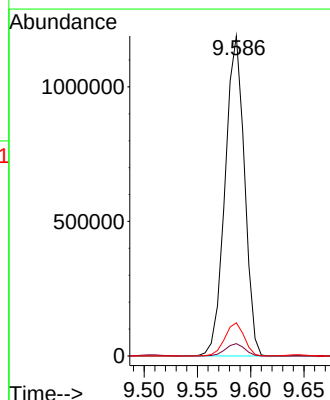
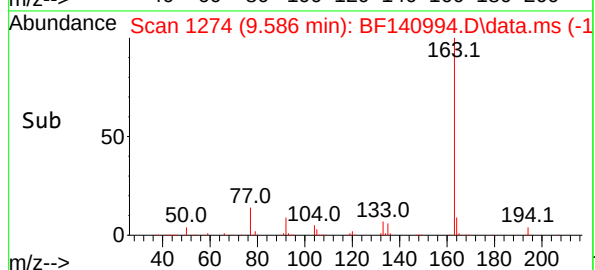
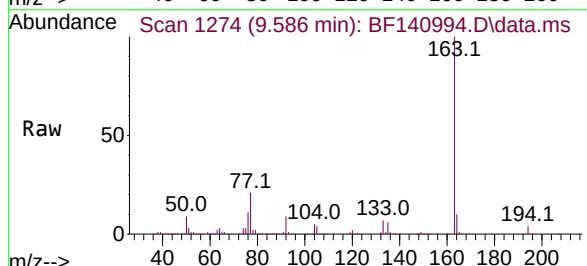
Tgt Ion:163 Resp: 1501321

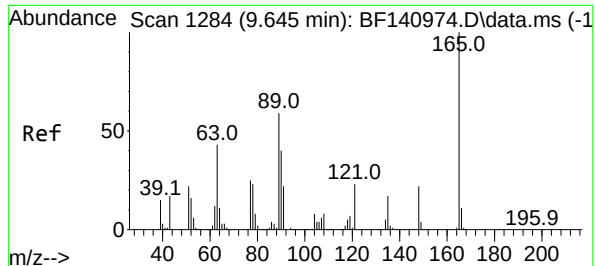
Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

164 10.3 8.3 12.5





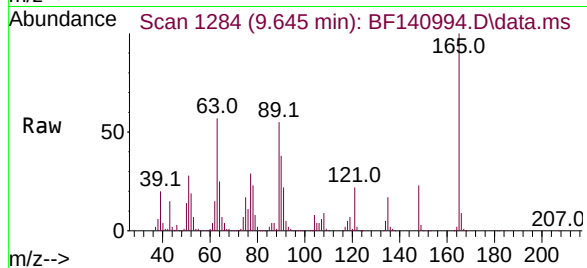
#51
2,6-Dinitrotoluene
Concen: 44.477 ng
RT: 9.645 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

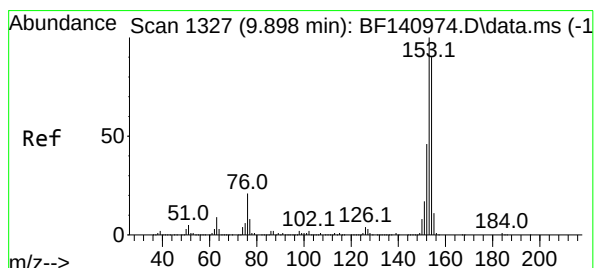
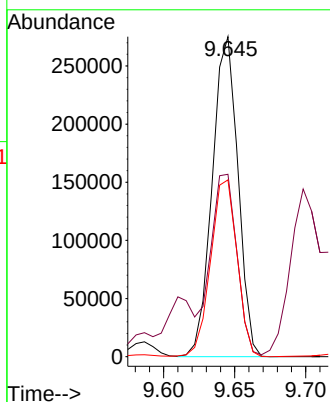
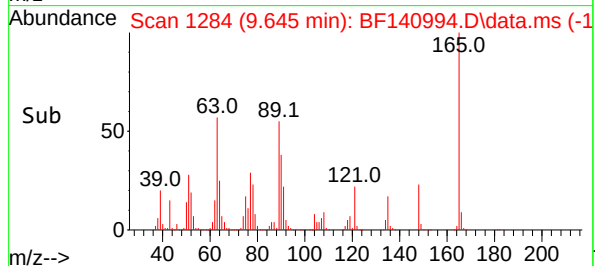


Tgt Ion:165 Resp: 347234
Ion Ratio Lower Upper
165 100
63 57.0 47.1 70.7
89 55.2 47.0 70.4

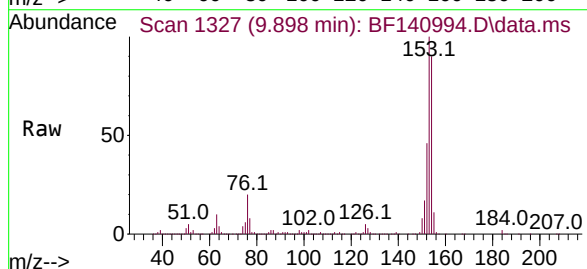
Manual Integrations

APPROVED

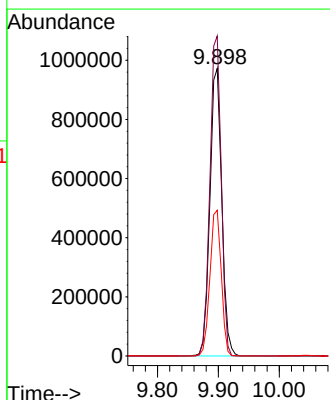
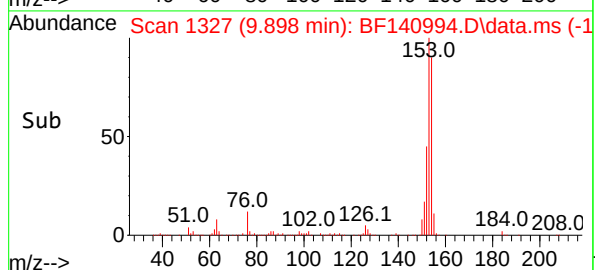
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

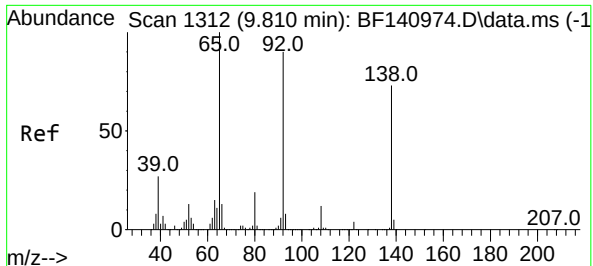


#52
Acenaphthene
Concen: 38.833 ng
RT: 9.898 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59



Tgt Ion:154 Resp: 1314751
Ion Ratio Lower Upper
154 100
153 111.3 89.2 133.8
152 50.7 40.9 61.3





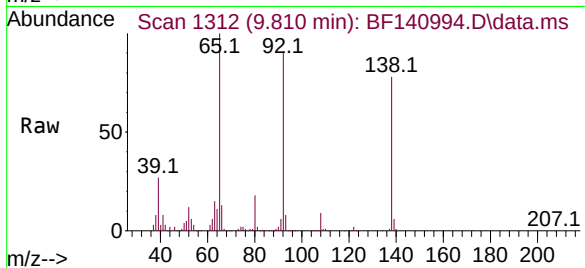
#53
3-Nitroaniline
Concen: 44.203 ng
RT: 9.810 min Scan# 1312
Delta R.T. -0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



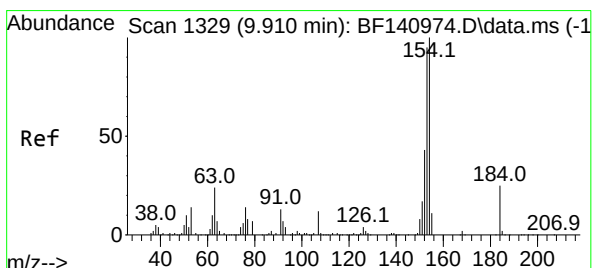
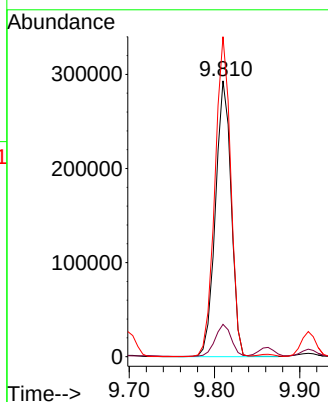
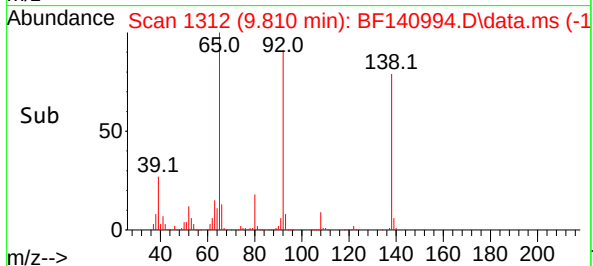
Tgt Ion:138 Resp: 375390
Ion Ratio Lower Upper
138 100
108 11.7 13.5 20.3
92 116.0 97.7 146.5

Manual Integrations

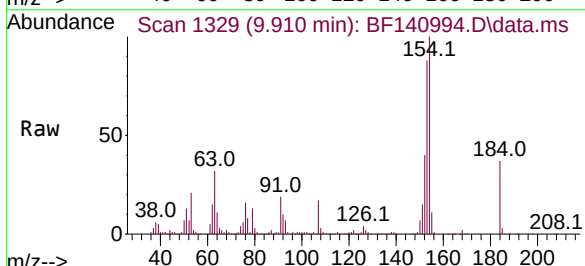
APPROVED

Reviewed By :Yogesh Patel 12/30/2024

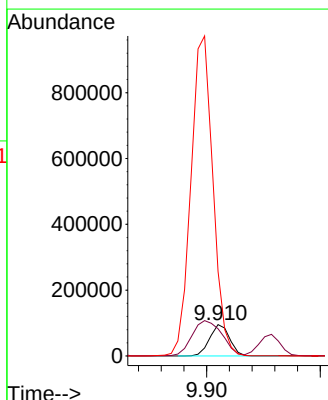
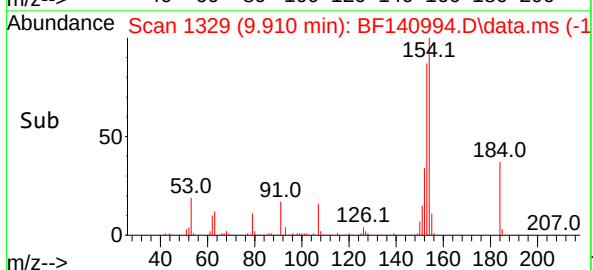
Supervised By :mohammad ahmed 12/30/2024

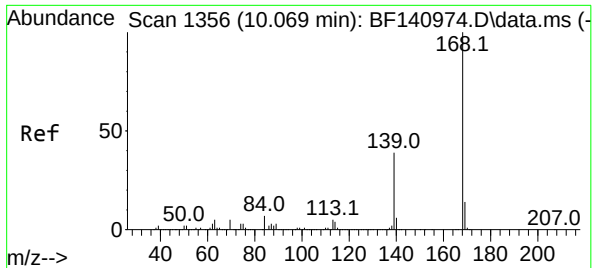


#54
2,4-Dinitrophenol
Concen: 47.390 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59



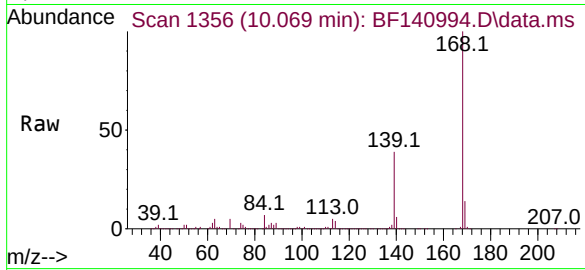
Tgt Ion:184 Resp: 116362
Ion Ratio Lower Upper
184 100
63 86.7 81.6 122.4
154 270.2 363.5 545.3#





#55
Dibenzenofuran
Concen: 38.499 ng
RT: 10.069 min Scan# 1356
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

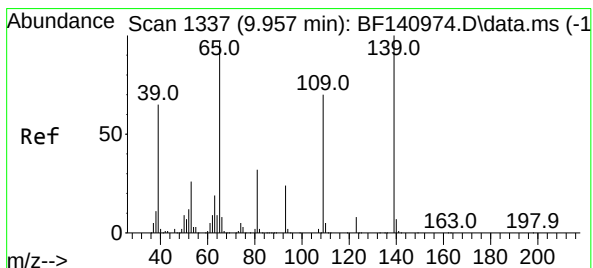
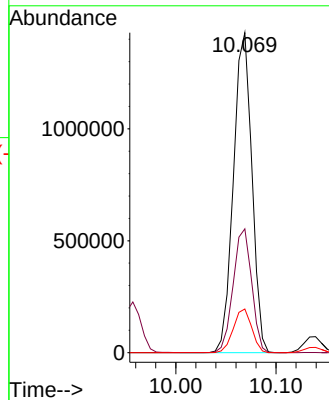
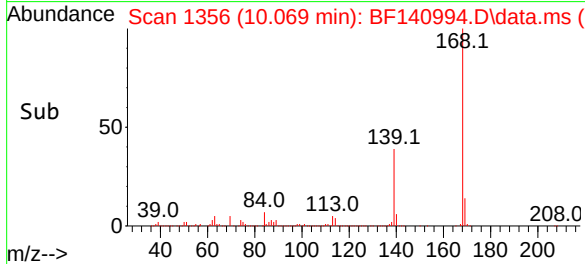
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:168 Resp: 183178
Ion Ratio Lower Upper
168 100
139 38.7 31.6 47.4
169 13.7 11.0 16.6

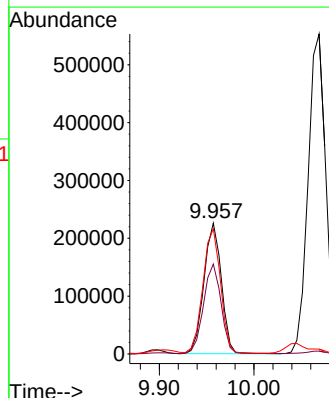
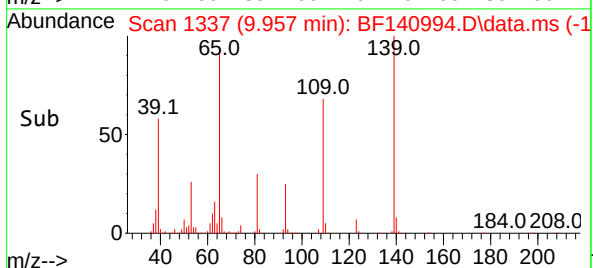
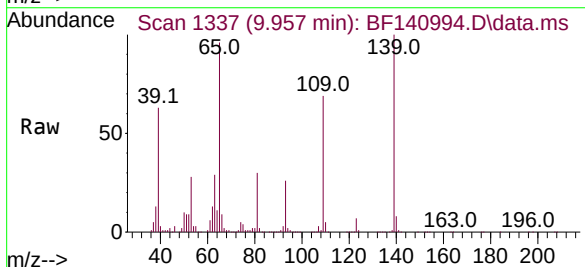
Manual Integrations
APPROVED

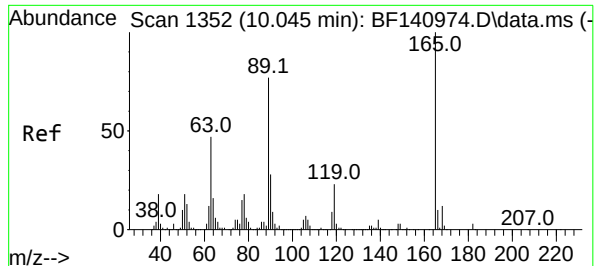
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#56
4-Nitrophenol
Concen: 43.761 ng
RT: 9.957 min Scan# 1337
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Tgt Ion:139 Resp: 288447
Ion Ratio Lower Upper
139 100
109 68.7 50.8 90.8
65 95.6 78.5 118.5





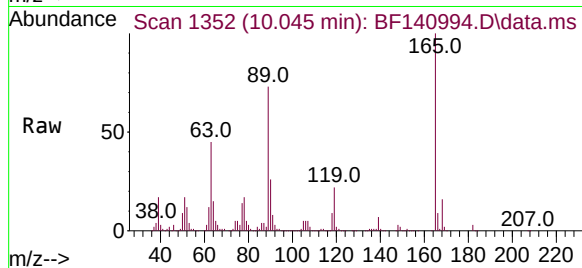
#57
2,4-Dinitrotoluene
Concen: 46.211 ng
RT: 10.045 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

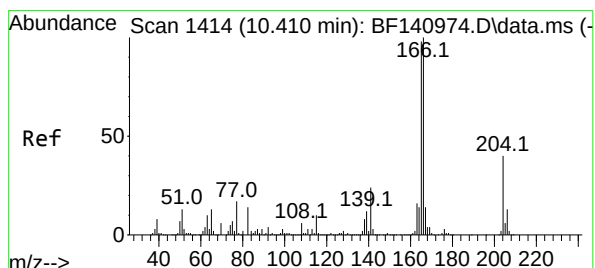
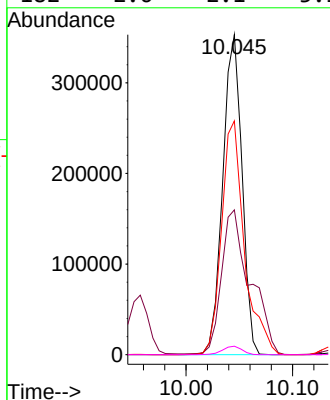
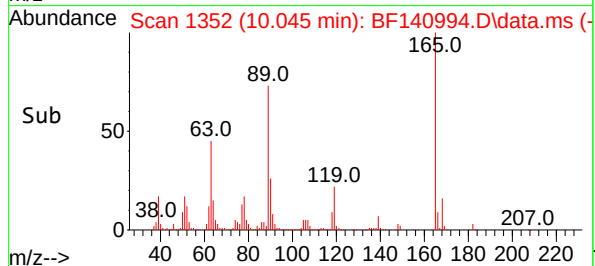


Tgt Ion:165 Resp: 44259
Ion Ratio Lower Upper
165 100
63 45.2 38.1 57.1
89 73.1 61.4 92.2
182 2.6 2.1 3.1

Manual Integrations

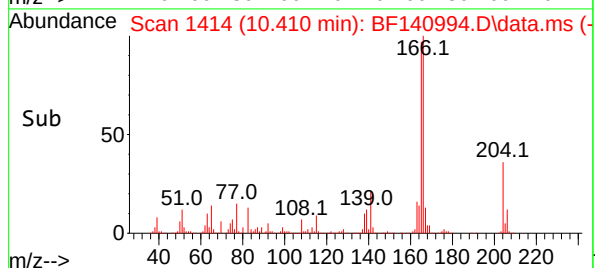
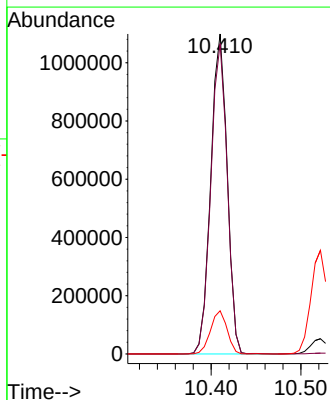
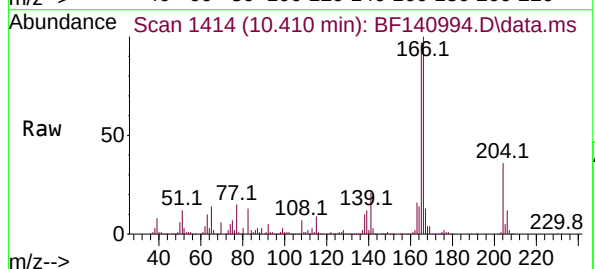
APPROVED

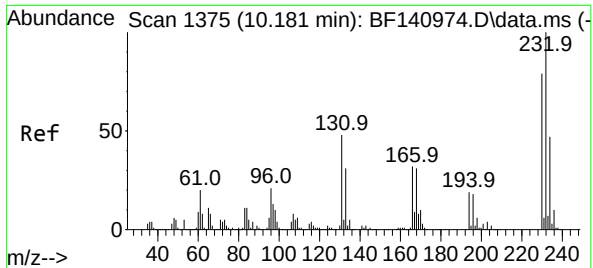
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#58
Fluorene
Concen: 37.810 ng
RT: 10.410 min Scan# 1414
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Tgt Ion:166 Resp: 1395040
Ion Ratio Lower Upper
166 100
165 97.0 78.3 117.5
167 13.5 10.9 16.3





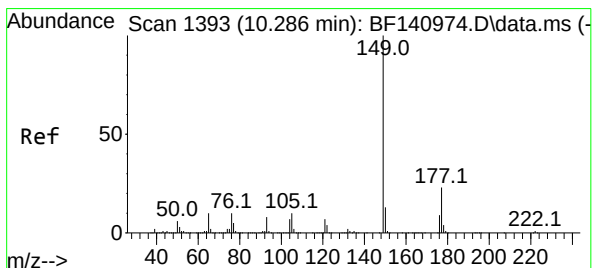
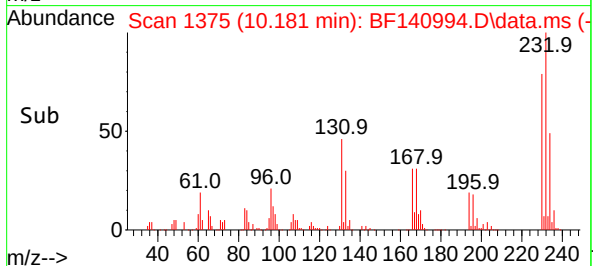
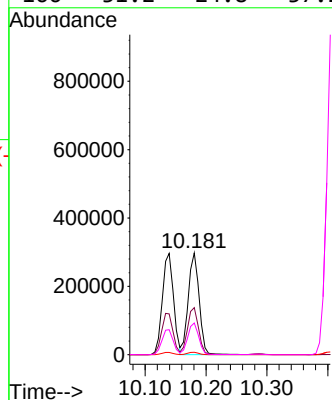
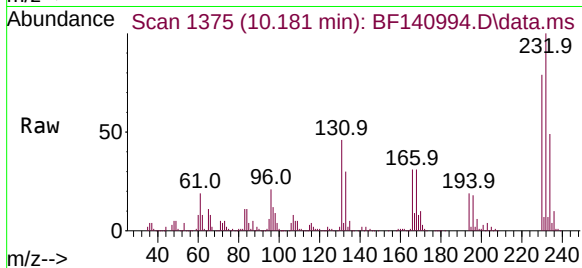
#59
2,3,4,6-Tetrachlorophenol
Concen: 40.652 ng
RT: 10.181 min Scan# 1375
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 369514
Ion Ratio Lower Upper
232 100
131 46.6 37.4 56.2
130 2.4 1.8 2.8
166 31.2 24.8 37.2

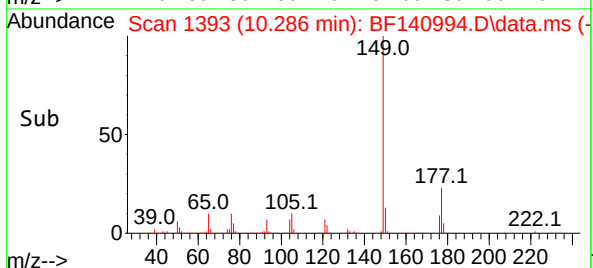
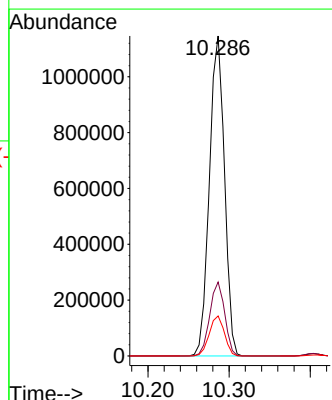
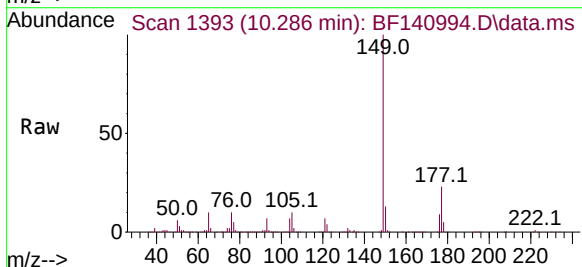
Manual Integrations
APPROVED

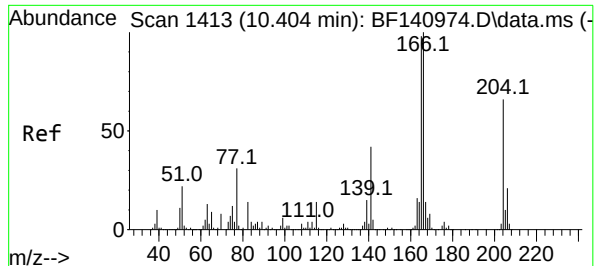
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#60
Diethylphthalate
Concen: 38.843 ng
RT: 10.286 min Scan# 1393
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

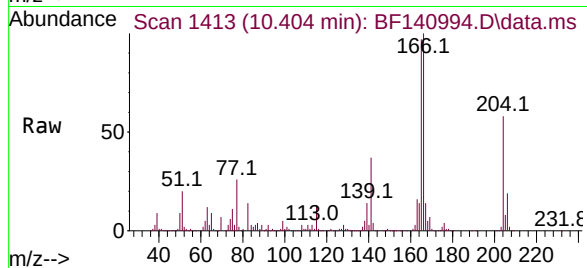
Tgt Ion:149 Resp: 1477637
Ion Ratio Lower Upper
149 100
177 23.1 18.3 27.5
150 12.5 10.4 15.6





#61
4-Chlorophenyl-phenylether
Concen: 37.721 ng
RT: 10.404 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

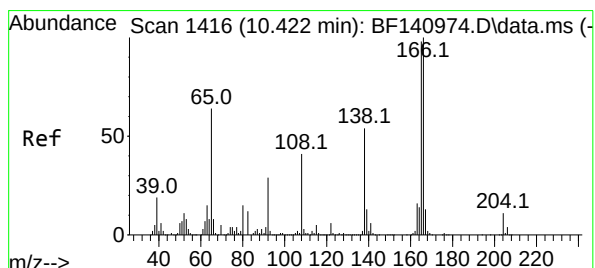
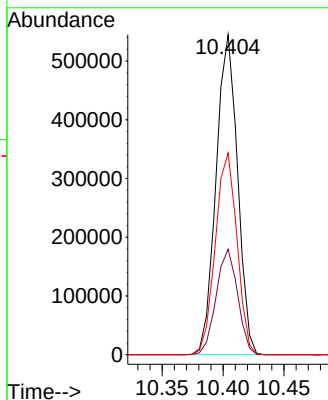
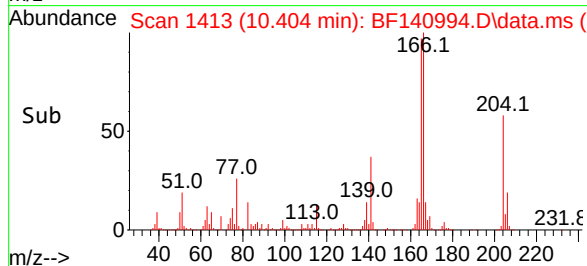
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



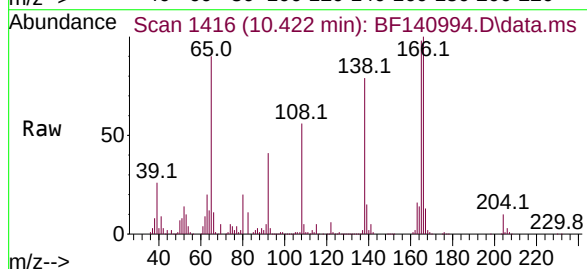
Tgt Ion:204 Resp: 669688
Ion Ratio Lower Upper
204 100
206 32.9 25.8 38.6
141 63.0 51.2 76.8

Manual Integrations
APPROVED

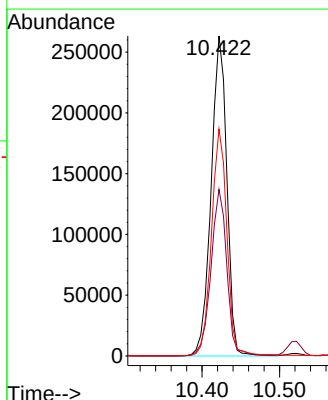
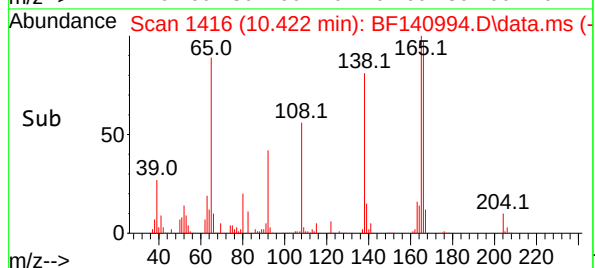
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

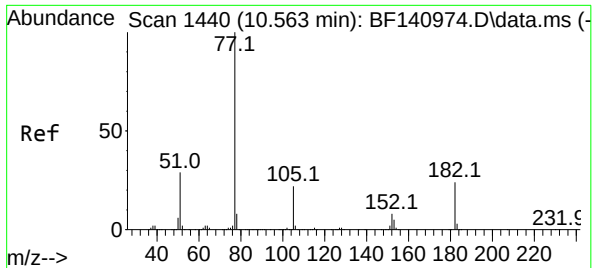


#62
4-Nitroaniline
Concen: 43.704 ng
RT: 10.422 min Scan# 1416
Delta R.T. -0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59



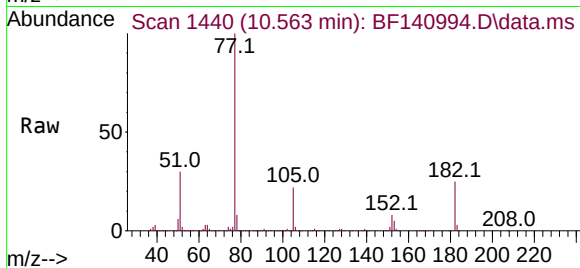
Tgt Ion:138 Resp: 370383
Ion Ratio Lower Upper
138 100
92 52.1 34.8 74.8
108 70.9 55.9 95.9





#63
Azobenzene
Concen: 38.398 ng
RT: 10.563 min Scan# 1440
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

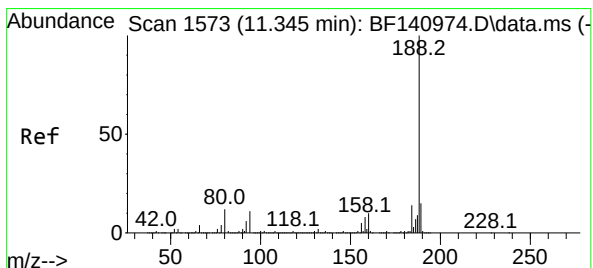
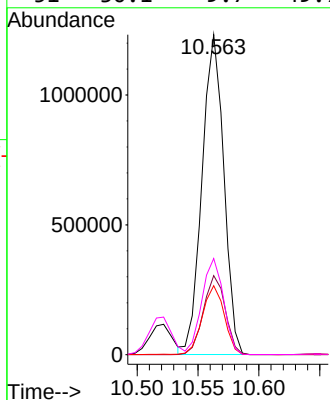
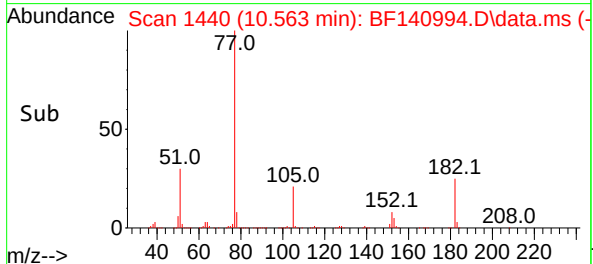
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion: 77 Resp: 153322
Ion Ratio Lower Upper
77 100
182 24.7 4.1 44.1
105 21.5 1.8 41.8
51 30.1 9.7 49.7

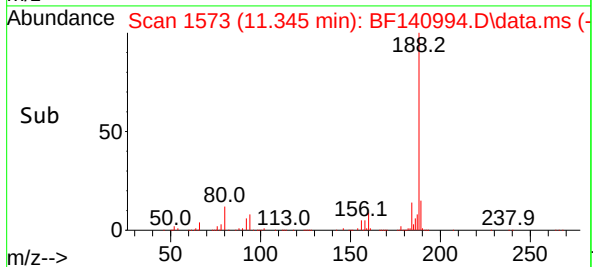
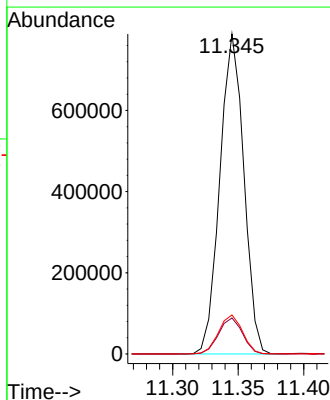
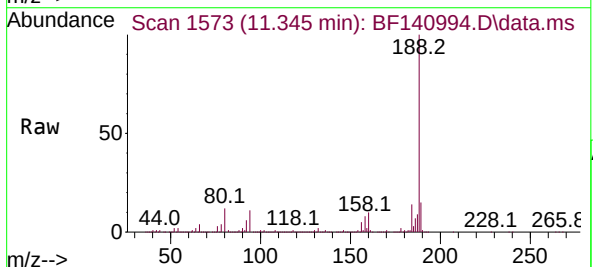
Manual Integrations
APPROVED

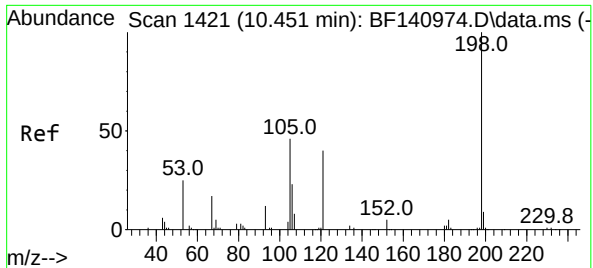
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1573
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Tgt Ion:188 Resp: 1000383
Ion Ratio Lower Upper
188 100
94 11.3 9.0 13.6
80 12.2 9.8 14.6





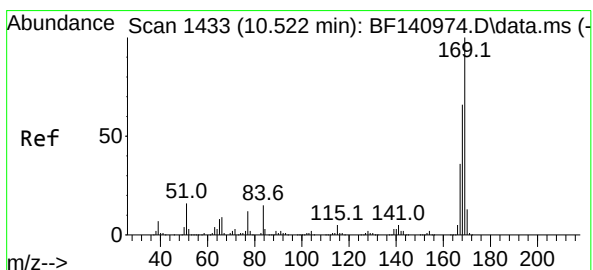
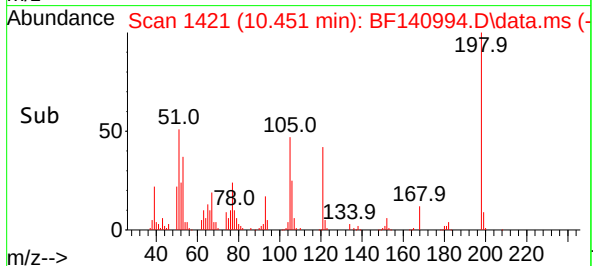
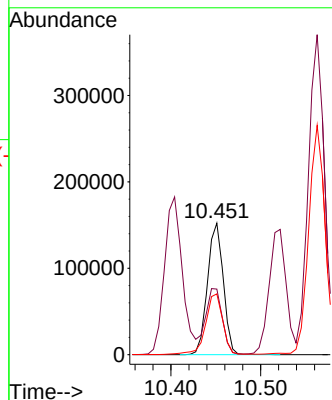
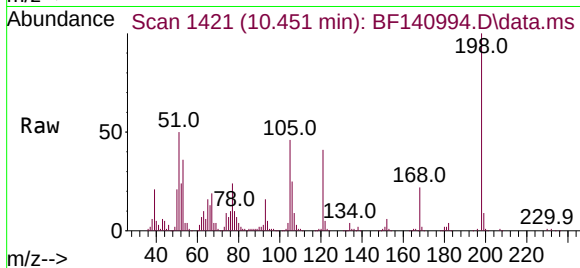
#65
4,6-Dinitro-2-methylphenol
Concen: 46.917 ng
RT: 10.451 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 186091
Ion Ratio Lower Upper
198 100
51 49.9 32.3 72.3
105 46.2 28.4 68.4

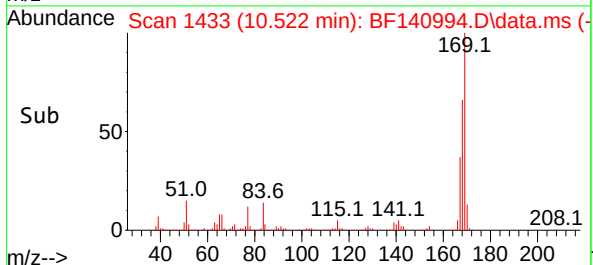
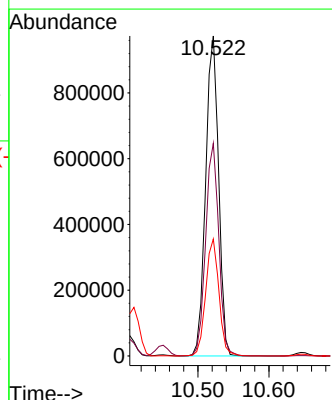
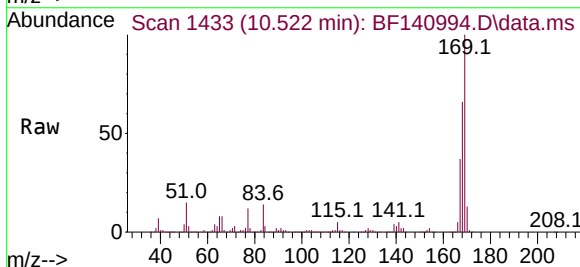
Manual Integrations
APPROVED

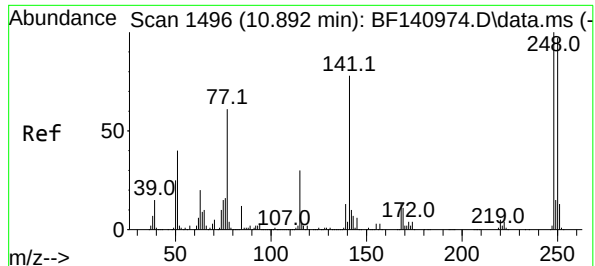
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#66
n-Nitrosodiphenylamine
Concen: 39.161 ng
RT: 10.522 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

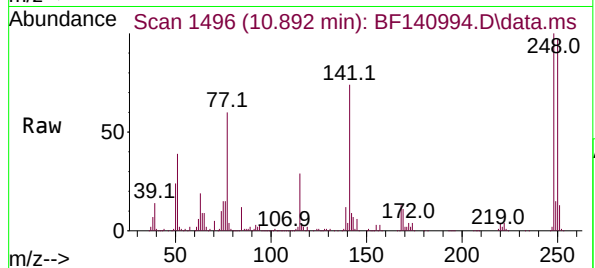
Tgt Ion:169 Resp: 1233641
Ion Ratio Lower Upper
169 100
168 66.4 52.6 79.0
167 36.6 29.0 43.4





#67
4-Bromophenyl-phenylether
Concen: 40.629 ng
RT: 10.892 min Scan# 1496
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

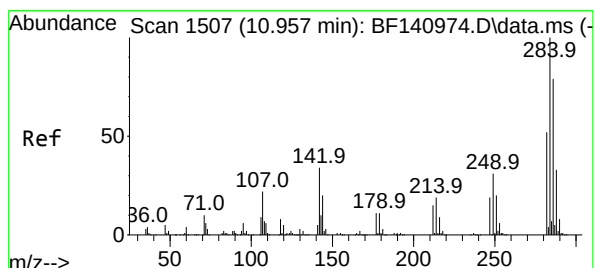
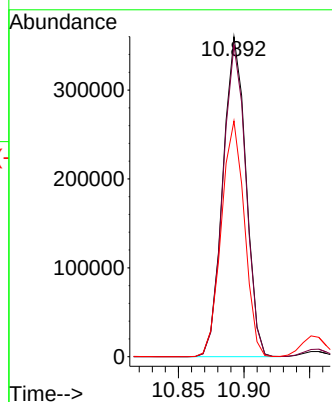
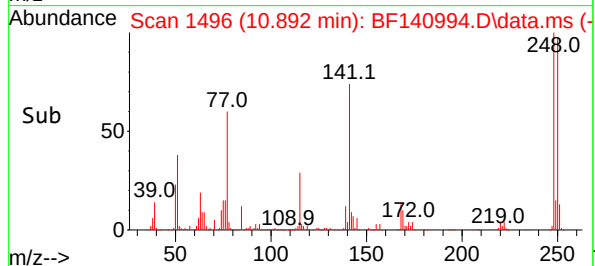
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:248 Resp: 439374
Ion Ratio Lower Upper
248 100
250 97.4 77.7 116.5
141 73.7 62.1 93.1

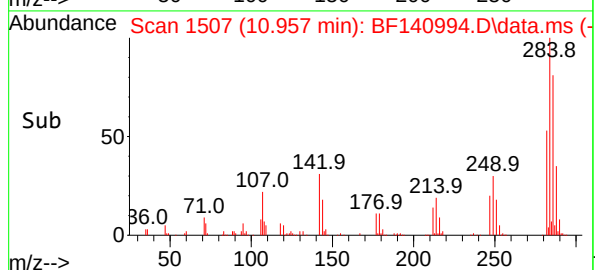
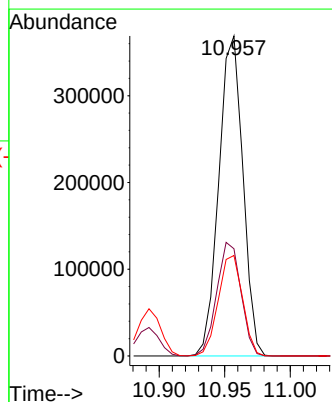
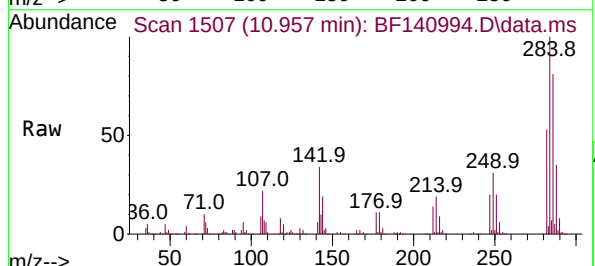
Manual Integrations
APPROVED

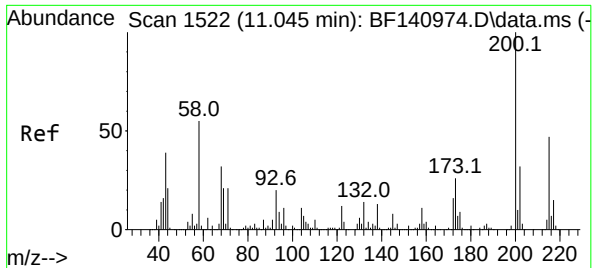
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#68
Hexachlorobenzene
Concen: 39.462 ng
RT: 10.957 min Scan# 1507
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Tgt Ion:284 Resp: 470563
Ion Ratio Lower Upper
284 100
142 33.5 27.1 40.7
249 31.4 25.1 37.7





#69

Atrazine

Concen: 35.956 ng

RT: 11.045 min Scan# 1522

Delta R.T. 0.000 min

Lab File: BF140994.D

Acq: 27 Dec 2024 13:59

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:200 Resp: 31643

Ion Ratio Lower Upper

200 100

173 26.1 6.4 46.4

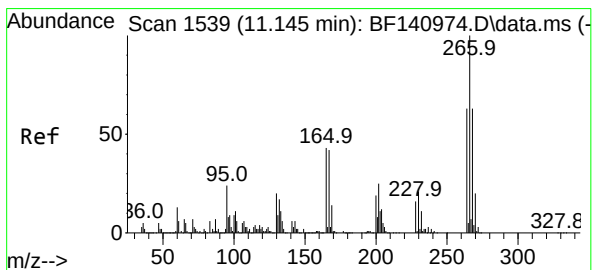
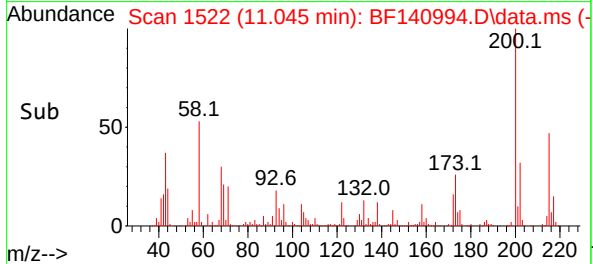
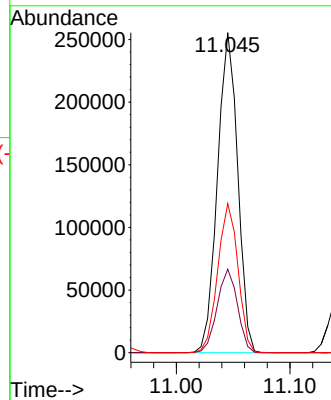
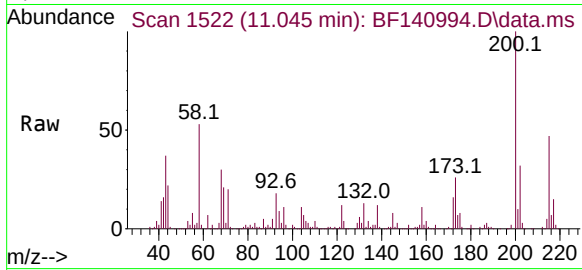
215 46.6 27.2 67.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/30/2024

Supervised By :mohammad ahmed 12/30/2024



#70

Pentachlorophenol

Concen: 43.264 ng

RT: 11.145 min Scan# 1539

Delta R.T. 0.000 min

Lab File: BF140994.D

Acq: 27 Dec 2024 13:59

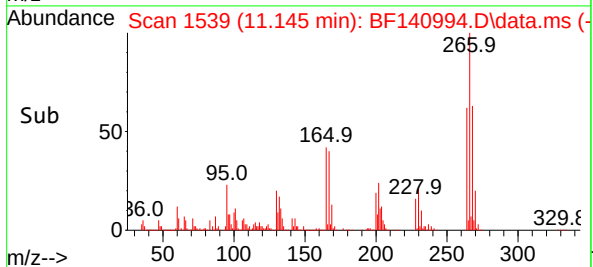
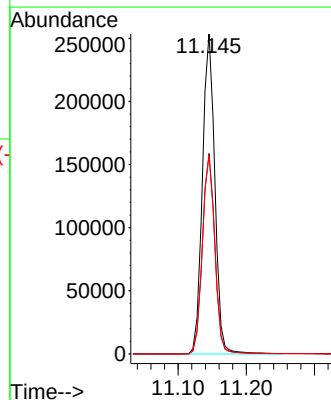
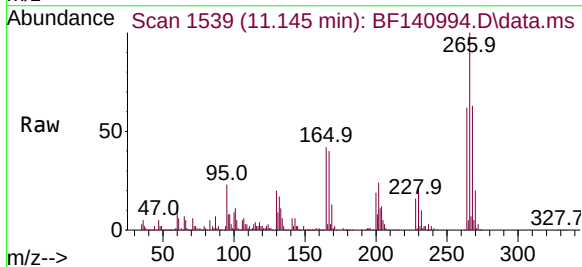
Tgt Ion:266 Resp: 321201

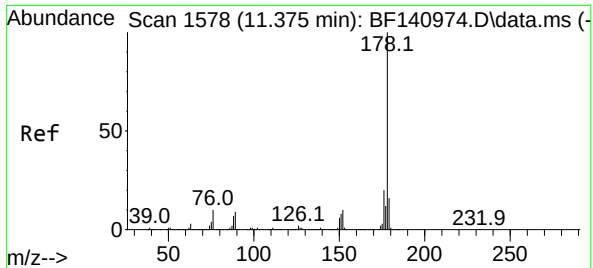
Ion Ratio Lower Upper

266 100

268 62.6 50.5 75.7

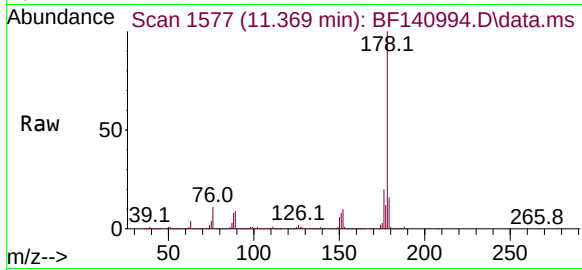
264 62.1 50.2 75.4





#71
Phenanthrene
Concen: 39.276 ng
RT: 11.369 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

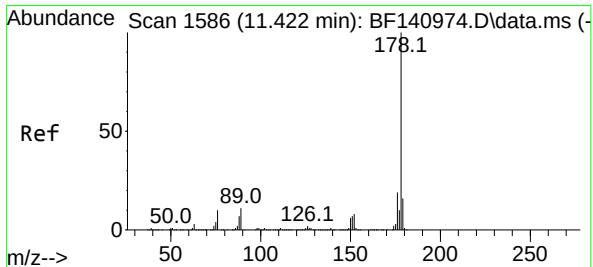
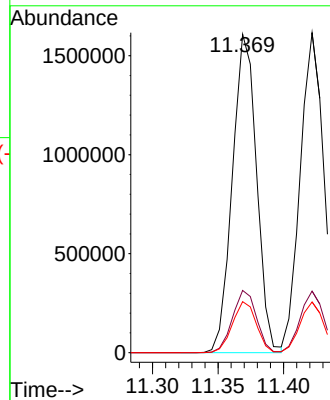
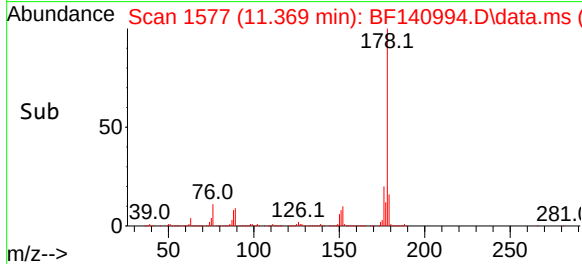
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:178 Resp: 2067900
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.6
179 16.0 12.6 19.0

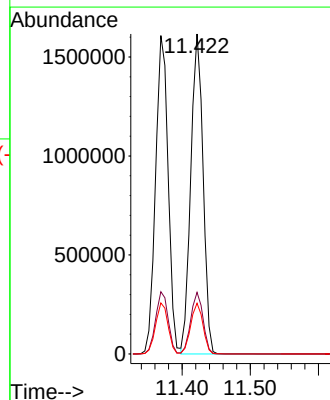
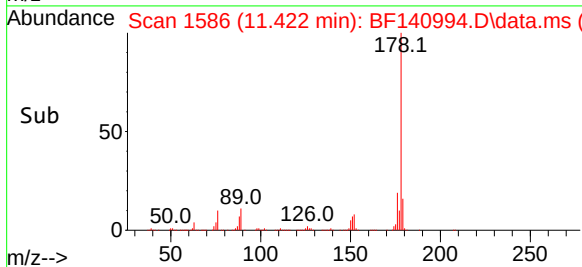
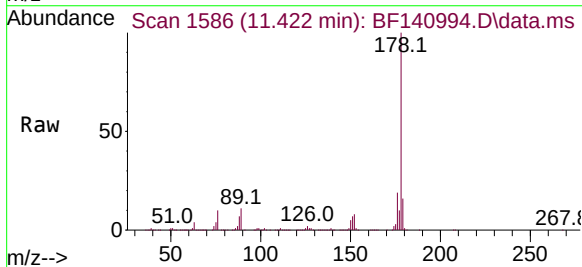
Manual Integrations
APPROVED

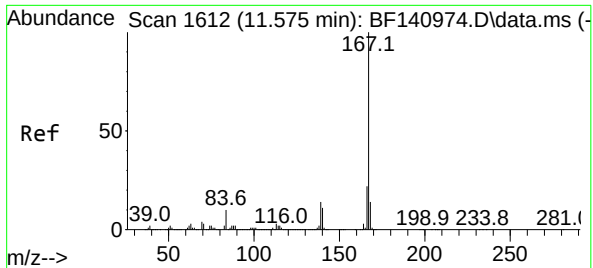
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#72
Anthracene
Concen: 38.909 ng
RT: 11.422 min Scan# 1586
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

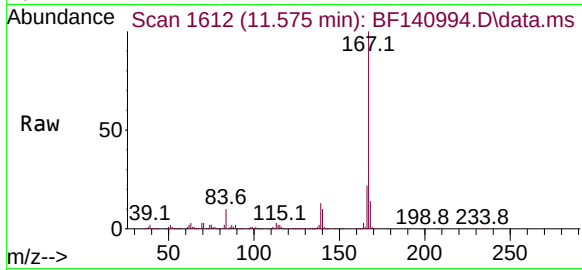
Tgt Ion:178 Resp: 2007394
Ion Ratio Lower Upper
178 100
176 19.2 15.3 22.9
179 15.8 12.9 19.3





#73
 Carbazole
 Concen: 38.935 ng
 RT: 11.575 min Scan# 1612
 Delta R.T. 0.000 min
 Lab File: BF140994.D
 Acq: 27 Dec 2024 13:59

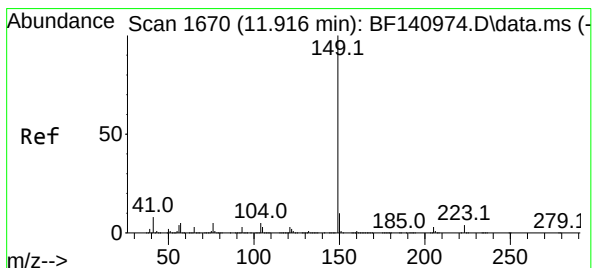
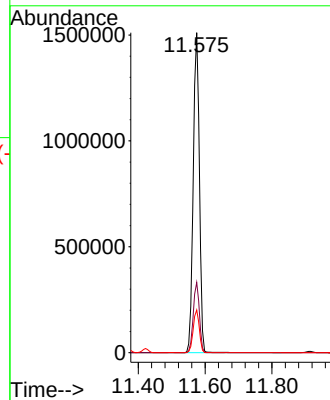
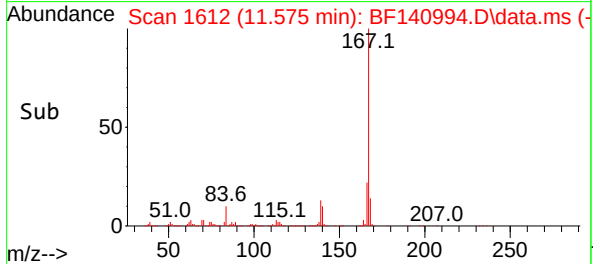
Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040



Tgt Ion:167 Resp: 193100
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.5 26.3
 139 13.3 11.0 16.4

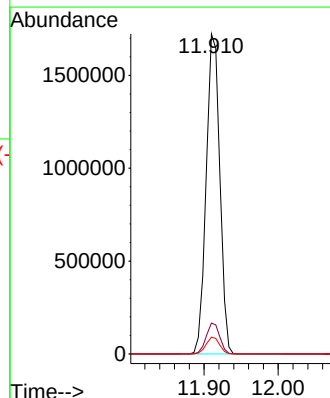
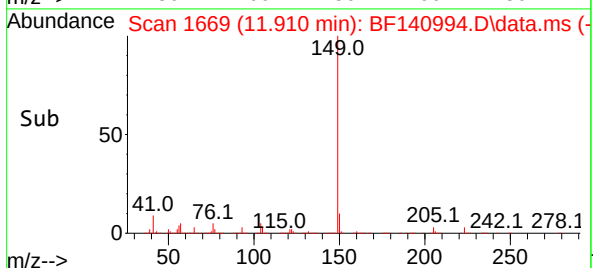
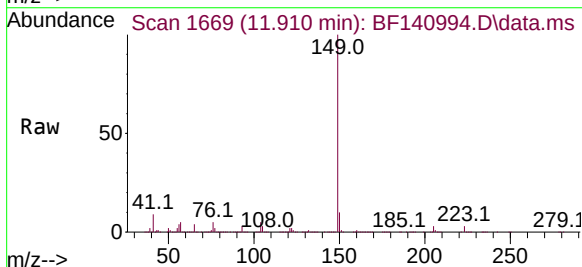
Manual Integrations
 APPROVED

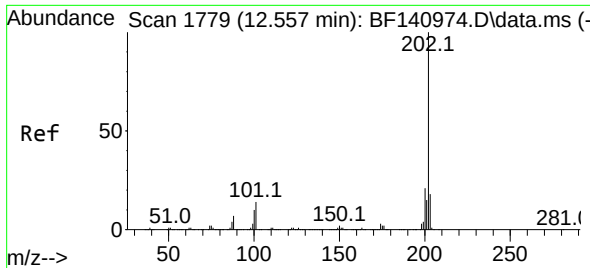
Reviewed By :Yogesh Patel 12/30/2024
 Supervised By :mohammad ahmed 12/30/2024



#74
 Di-n-butylphthalate
 Concen: 39.149 ng
 RT: 11.910 min Scan# 1669
 Delta R.T. -0.006 min
 Lab File: BF140994.D
 Acq: 27 Dec 2024 13:59

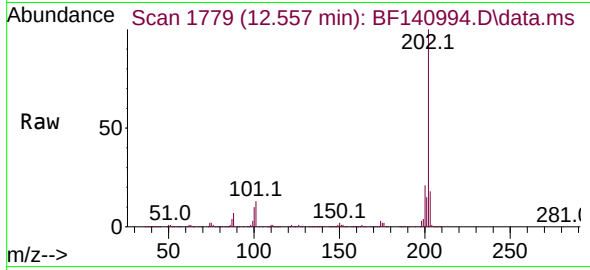
Tgt Ion:149 Resp: 2208413
 Ion Ratio Lower Upper
 149 100
 150 9.7 7.7 11.5
 104 5.2 4.1 6.1





#75
Fluoranthene
Concen: 37.866 ng
RT: 12.557 min Scan# 1779
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

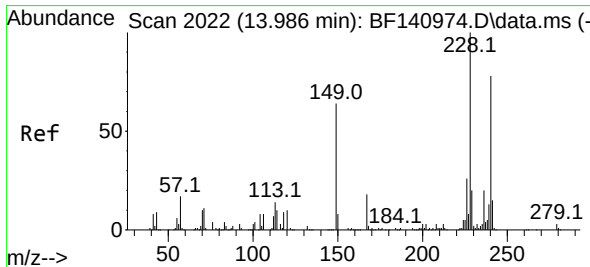
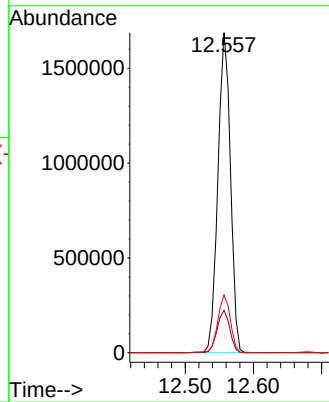
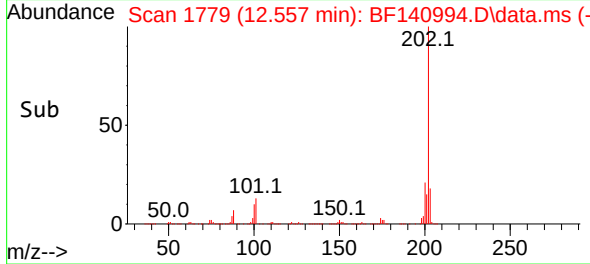
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:202 Resp: 2162264
Ion Ratio Lower Upper
202 100
101 13.3 0.0 33.7
203 18.0 0.0 38.1

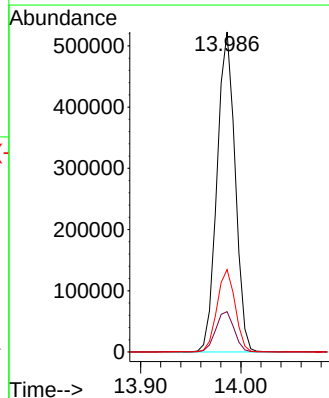
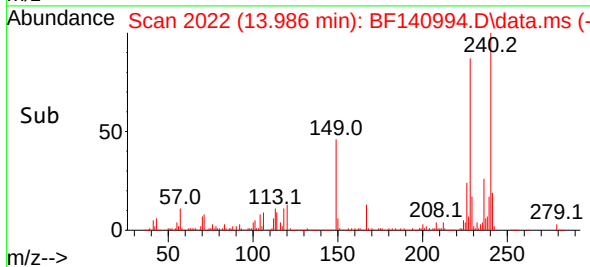
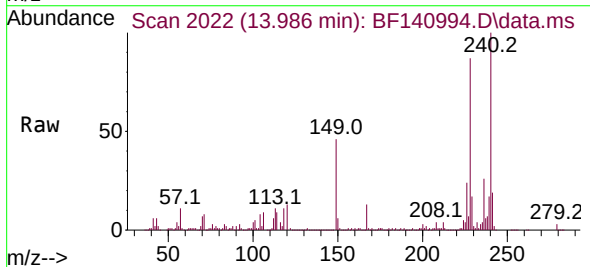
Manual Integrations
APPROVED

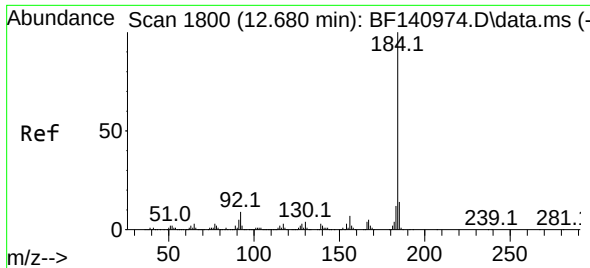
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 2022
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

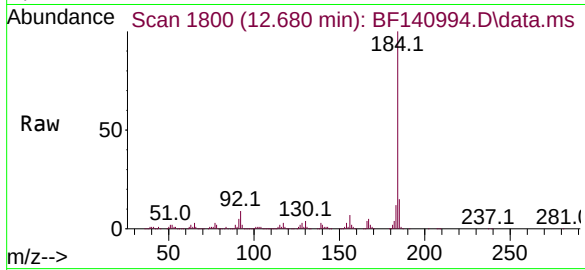
Tgt Ion:240 Resp: 654182
Ion Ratio Lower Upper
240 100
120 12.6 10.7 16.1
236 25.8 20.6 31.0





#77
Benzidine
Concen: 50.365 ng
RT: 12.680 min Scan# 1800
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

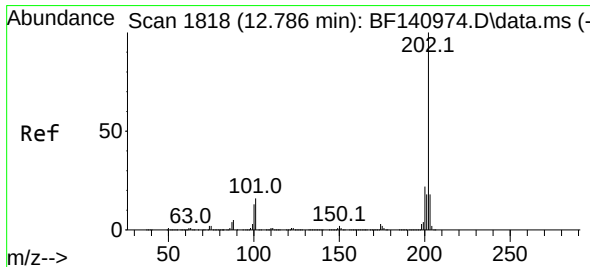
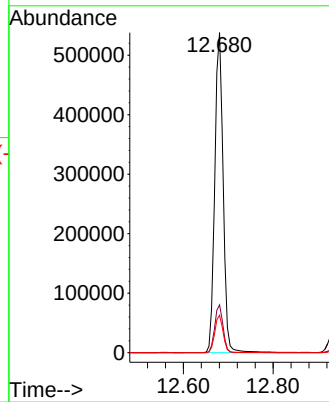
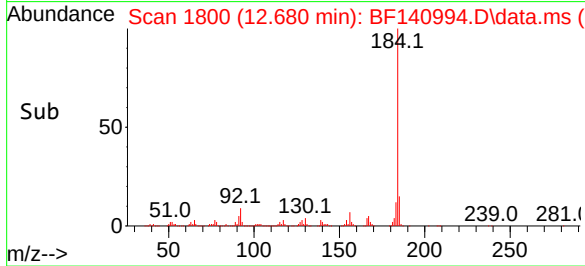
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:184 Resp: 696320
Ion Ratio Lower Upper
184 100
185 14.9 11.4 17.2
183 11.7 9.4 14.0

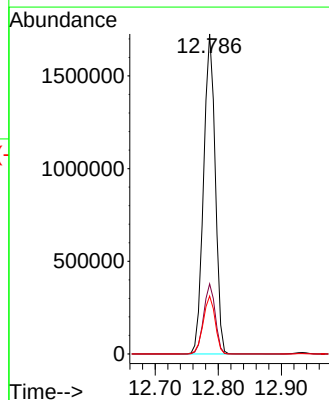
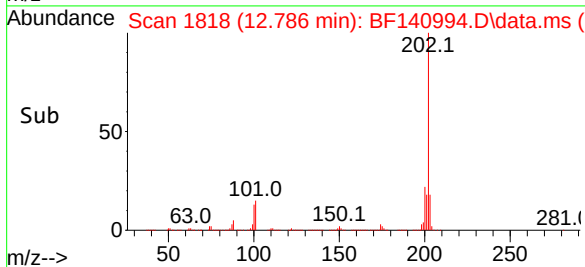
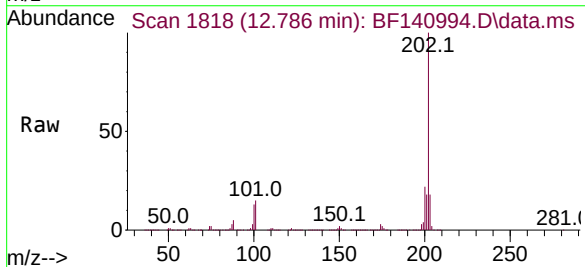
Manual Integrations
APPROVED

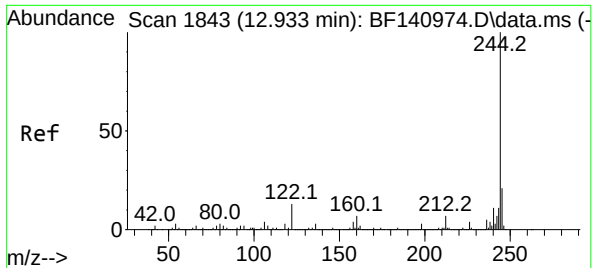
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#78
Pyrene
Concen: 38.653 ng
RT: 12.786 min Scan# 1818
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Tgt Ion:202 Resp: 2211440
Ion Ratio Lower Upper
202 100
200 21.9 17.3 25.9
203 18.1 14.6 21.8





#79

Terphenyl-d14

Concen: 77.455 ng

RT: 12.933 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF140994.D

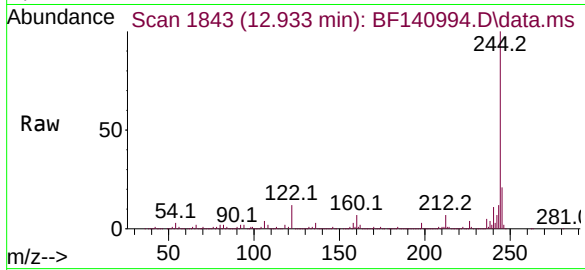
Acq: 27 Dec 2024 13:59

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:244 Resp: 305056

Ion Ratio Lower Upper

244 100

212 7.0 5.7 8.5

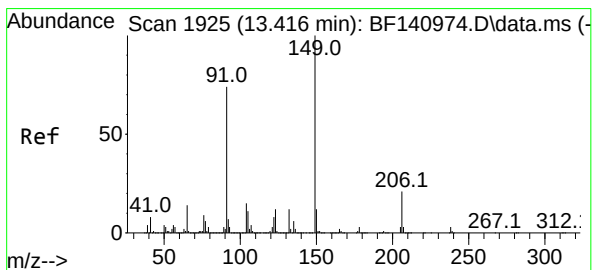
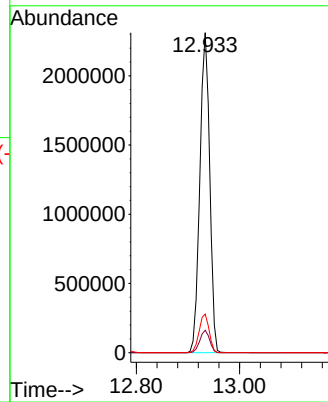
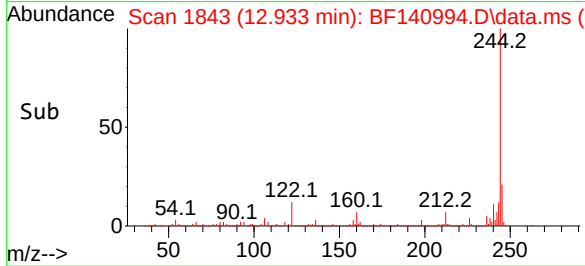
122 12.1 10.2 15.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/30/2024

Supervised By :mohammad ahmed 12/30/2024



#80

Butylbenzylphthalate

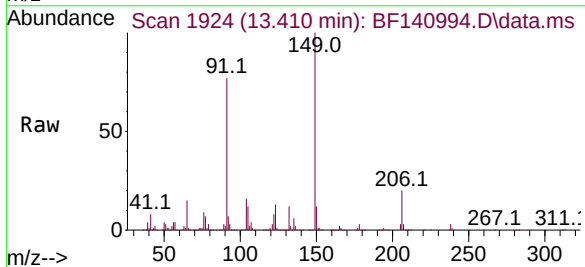
Concen: 40.421 ng

RT: 13.410 min Scan# 1924

Delta R.T. -0.006 min

Lab File: BF140994.D

Acq: 27 Dec 2024 13:59



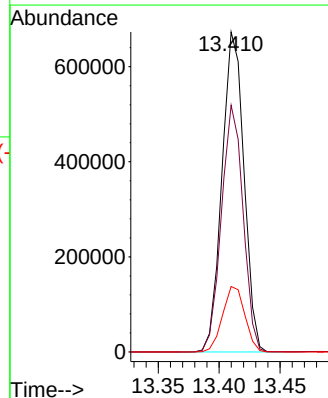
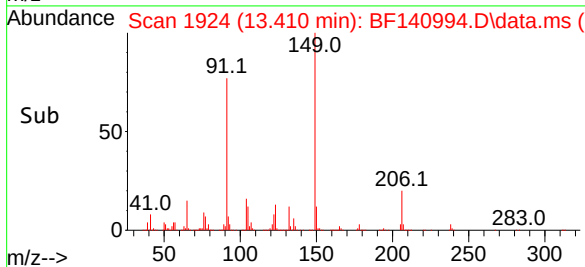
Tgt Ion:149 Resp: 844457

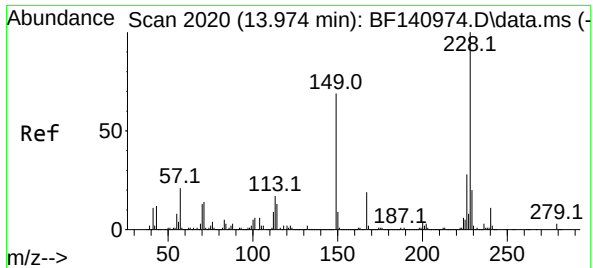
Ion Ratio Lower Upper

149 100

91 77.1 59.5 89.3

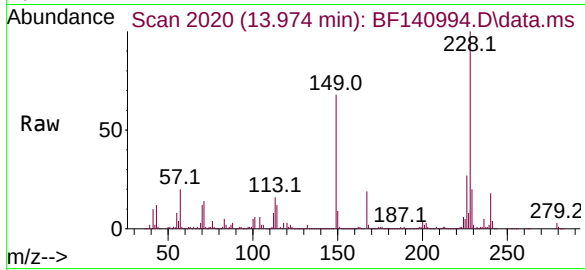
206 20.5 17.1 25.7





#81
Benzo(a)anthracene
Concen: 37.774 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

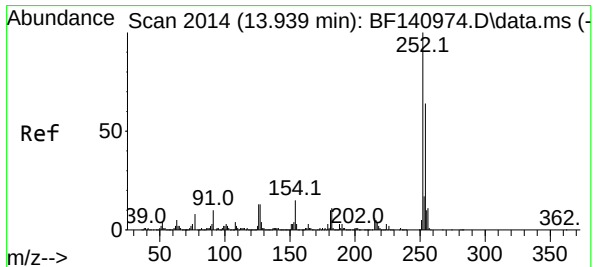
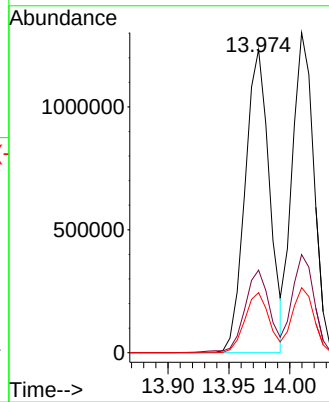
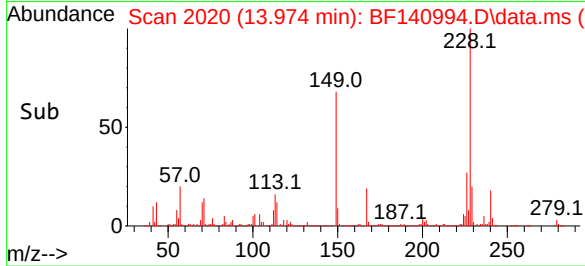
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:228 Resp: 1722198
Ion Ratio Lower Upper
228 100
226 27.2 22.1 33.1
229 19.8 16.2 24.2

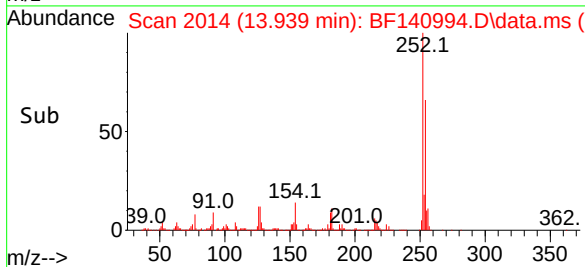
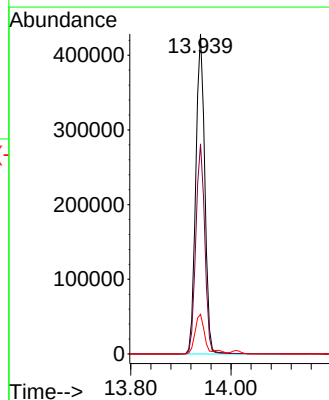
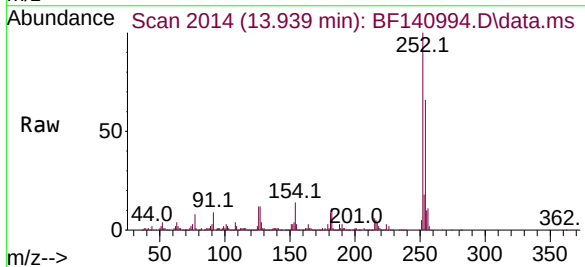
Manual Integrations
APPROVED

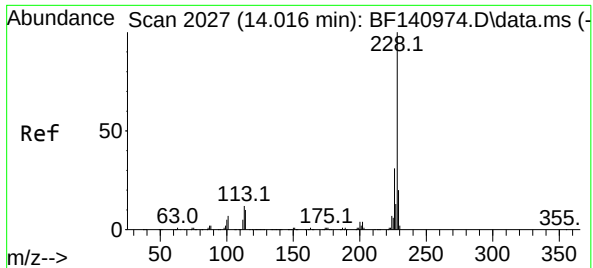
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#82
3,3'-Dichlorobenzidine
Concen: 38.791 ng
RT: 13.939 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

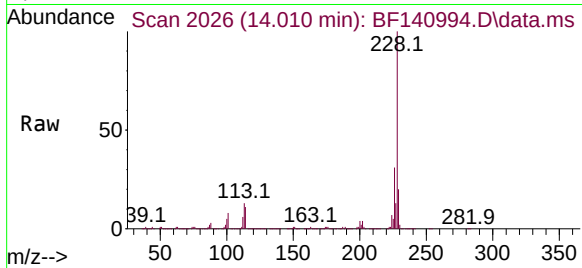
Tgt Ion:252 Resp: 531369
Ion Ratio Lower Upper
252 100
254 65.6 51.5 77.3
126 12.4 10.3 15.5





#83
Chrysene
Concen: 39.340 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

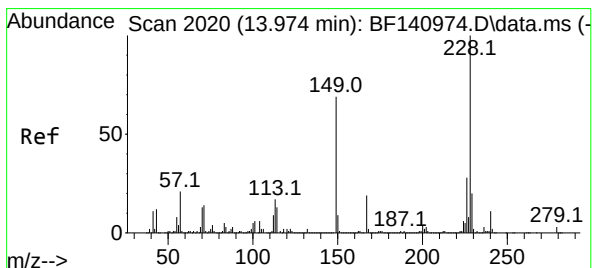
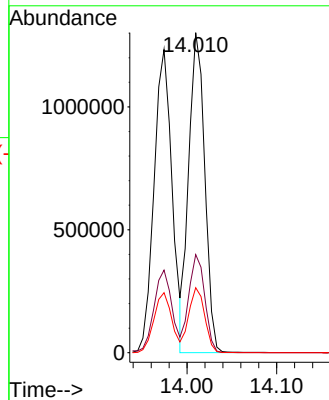
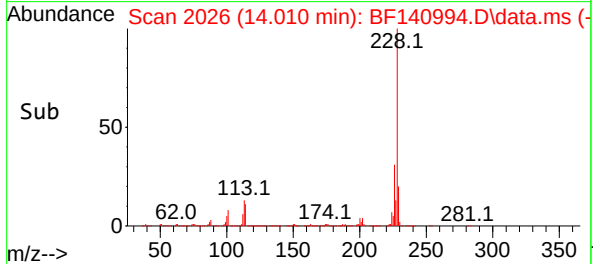
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:228 Resp: 161688
Ion Ratio Lower Upper
228 100
226 30.7 24.5 36.7
229 20.3 16.2 24.4

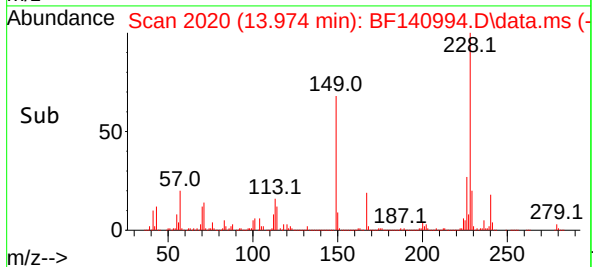
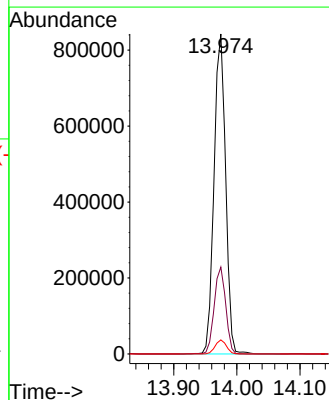
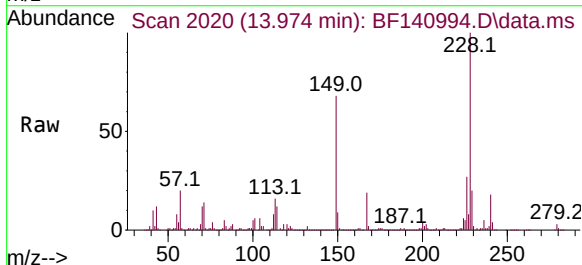
Manual Integrations
APPROVED

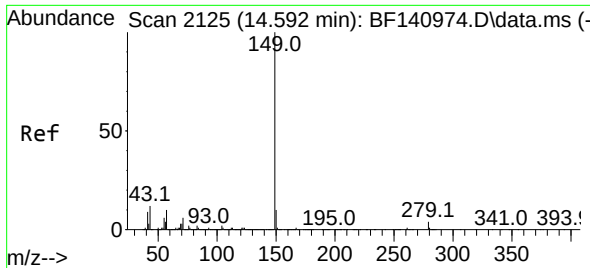
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#84
Bis(2-ethylhexyl)phthalate
Concen: 39.580 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

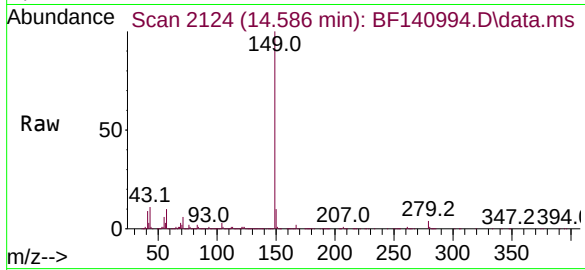
Tgt Ion:149 Resp: 1072600
Ion Ratio Lower Upper
149 100
167 27.1 21.6 32.4
279 4.4 3.2 4.8





#85
Di-n-octyl phthalate
Concen: 40.727 ng
RT: 14.586 min Scan# 2125
Delta R.T. -0.006 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

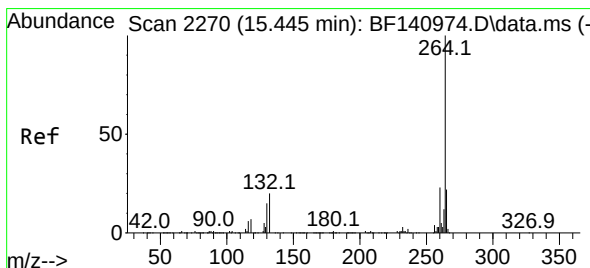
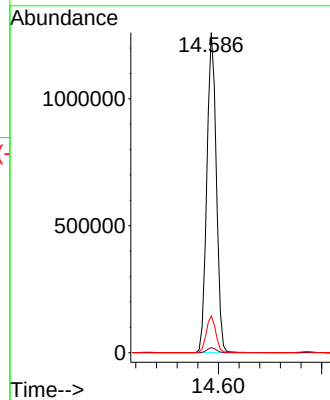
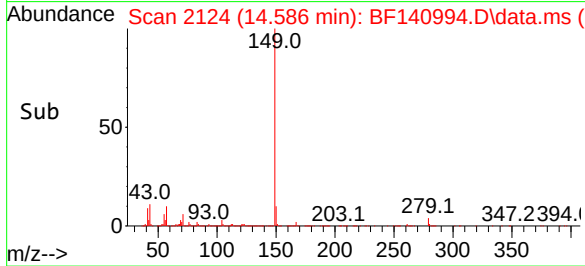
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:149 Resp: 159742
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 11.4 9.3 13.9

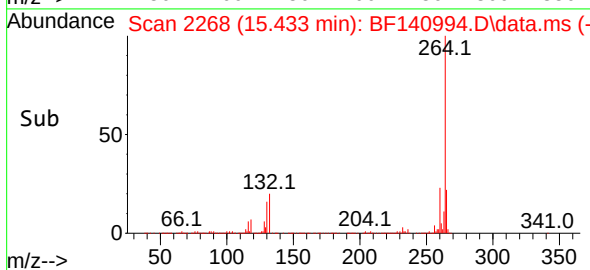
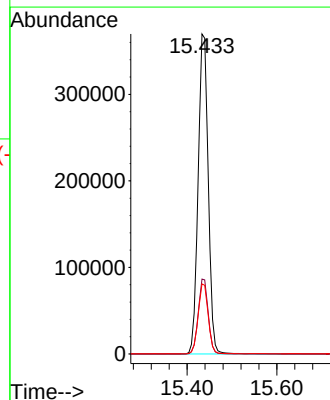
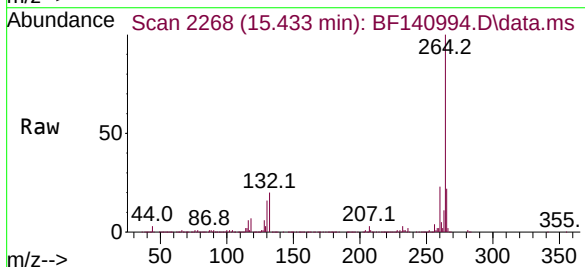
Manual Integrations
APPROVED

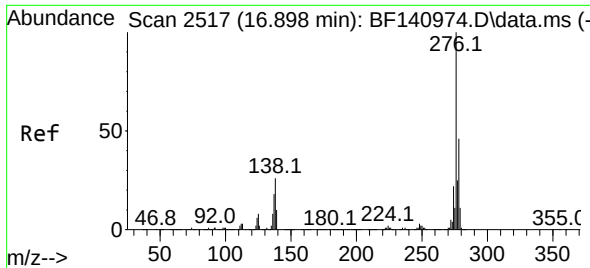
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.433 min Scan# 2268
Delta R.T. -0.012 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

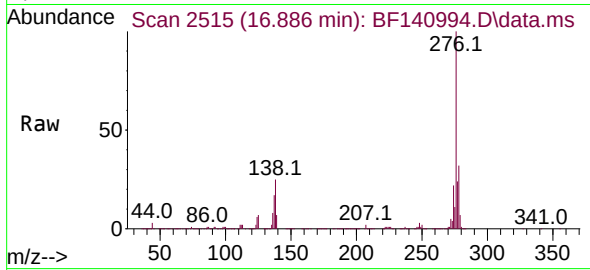
Tgt Ion:264 Resp: 576625
Ion Ratio Lower Upper
264 100
260 23.4 18.7 28.1
265 21.9 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 40.992 ng
RT: 16.886 min Scan# 2199
Delta R.T. -0.012 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

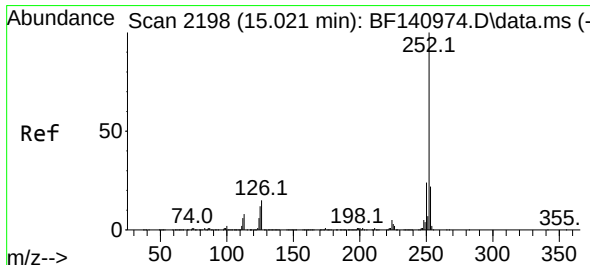
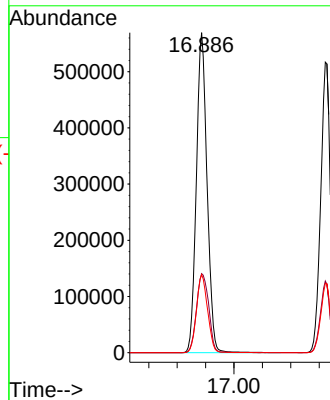
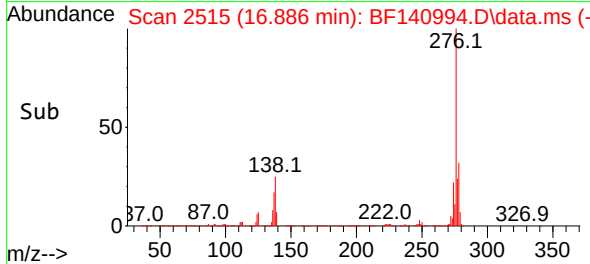
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:276 Resp: 148916
Ion Ratio Lower Upper
276 100
138 28.2 23.1 34.7
277 25.3 20.4 30.6

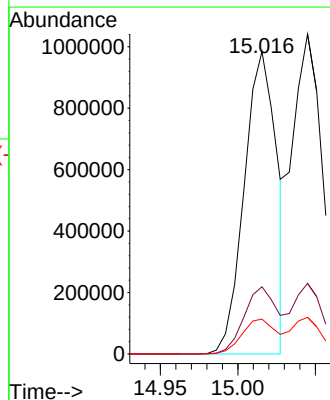
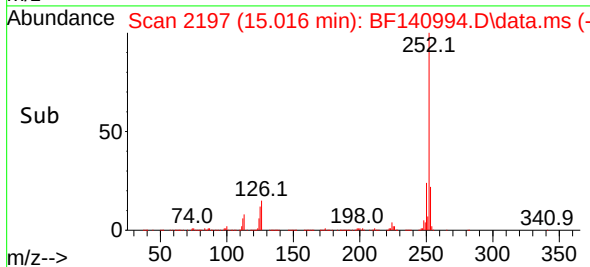
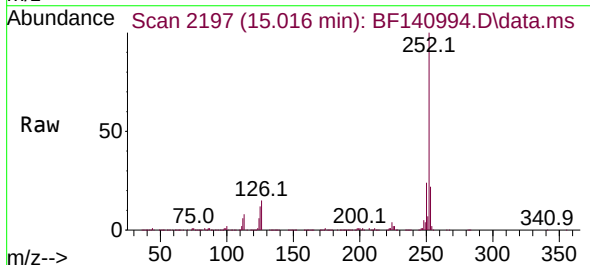
Manual Integrations
APPROVED

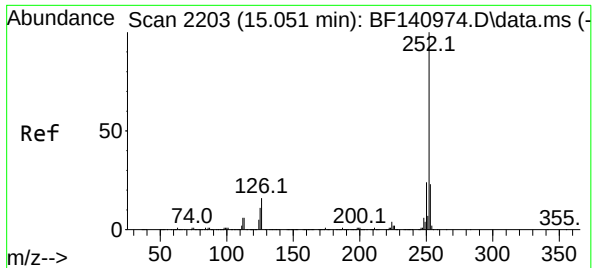
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#88
Benzo(b)fluoranthene
Concen: 35.555 ng
RT: 15.016 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Tgt Ion:252 Resp: 1429886
Ion Ratio Lower Upper
252 100
253 22.2 17.7 26.5
125 11.5 9.3 13.9





#89

Benzo(k)fluoranthene

Concen: 44.855 ng

RT: 15.045 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF140994.D

Acq: 27 Dec 2024 13:59

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:252 Resp: 1413840

Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.8

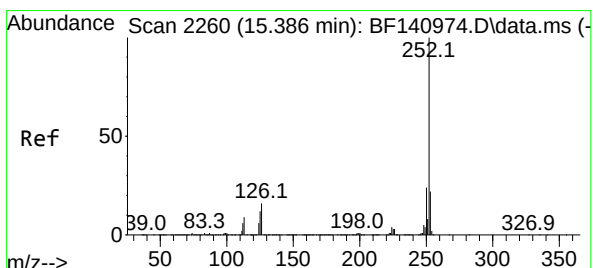
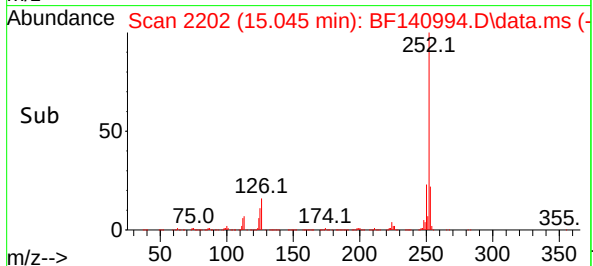
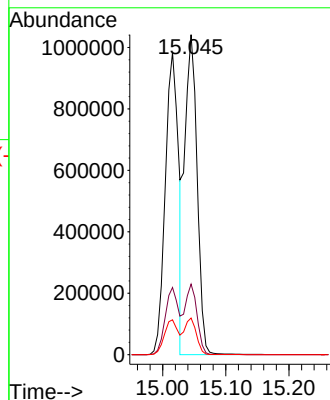
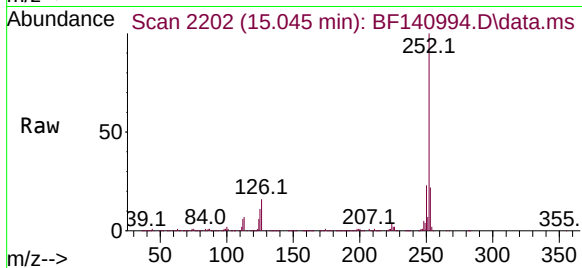
125 11.5 9.4 14.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/30/2024

Supervised By :mohammad ahmed 12/30/2024



#90

Benzo(a)pyrene

Concen: 39.424 ng

RT: 15.374 min Scan# 2258

Delta R.T. -0.012 min

Lab File: BF140994.D

Acq: 27 Dec 2024 13:59

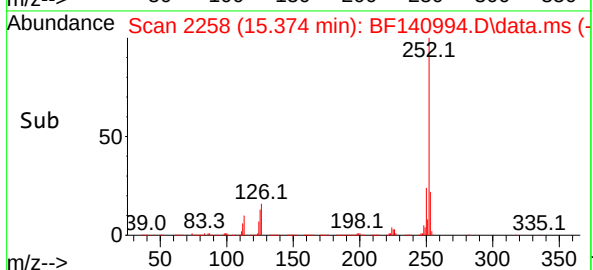
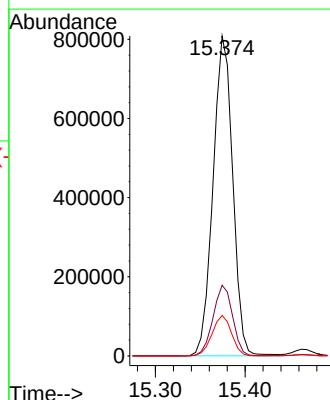
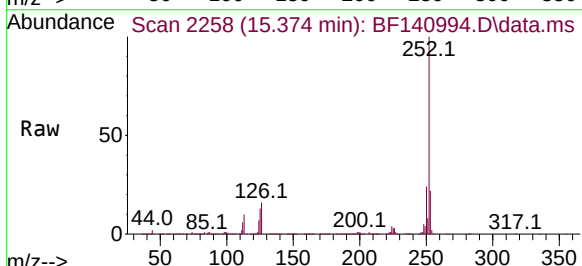
Tgt Ion:252 Resp: 1230603

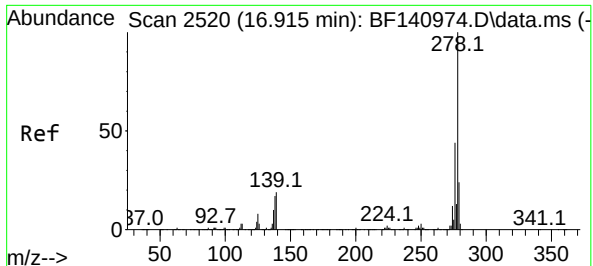
Ion Ratio Lower Upper

252 100

253 22.1 17.2 25.8

125 12.6 9.8 14.8





#91
Dibenzo(a,h)anthracene
Concen: 40.991 ng
RT: 16.910 min Scan# 2519
Delta R.T. -0.006 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Instrument :

BNA_F

ClientSampleId :

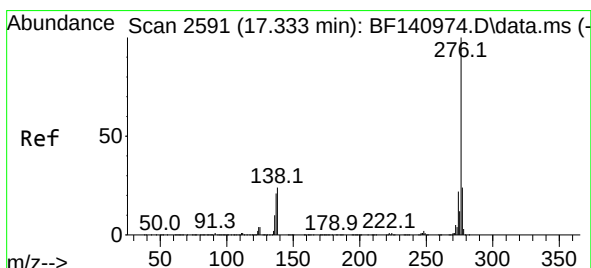
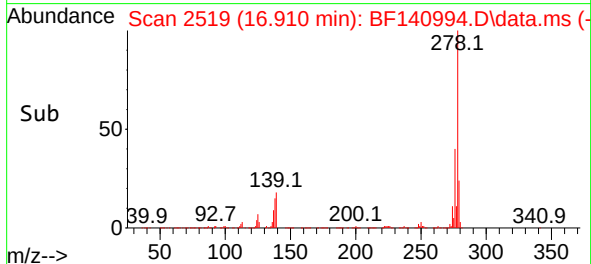
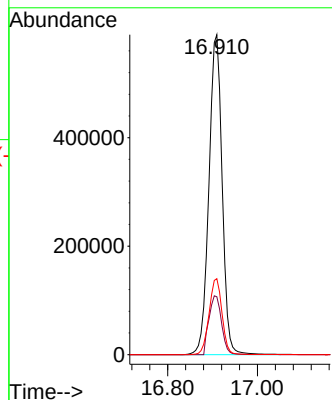
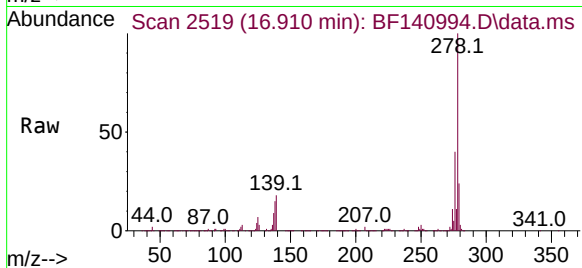
SSTDCCC040

Tgt Ion:278 Resp: 120712
Ion Ratio Lower Upper
278 100
139 18.1 14.9 22.3
279 23.8 19.0 28.6

Manual Integrations

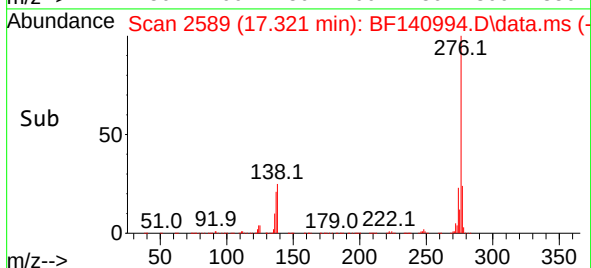
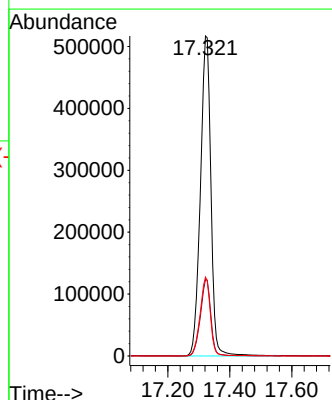
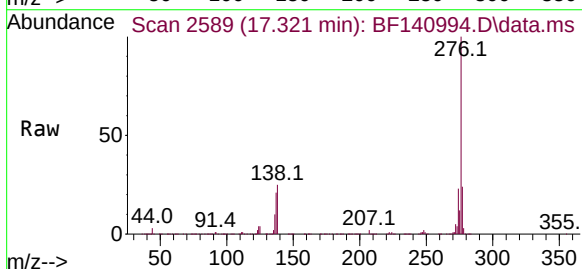
APPROVED

Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#92
Benzo(g,h,i)perylene
Concen: 39.931 ng
RT: 17.321 min Scan# 2589
Delta R.T. -0.012 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Tgt Ion:276 Resp: 1219629
Ion Ratio Lower Upper
276 100
277 23.8 19.0 28.4
138 24.7 19.4 29.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
 Data File : BF140994.D
 Acq On : 27 Dec 2024 13:59
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Dec 27 14:47:17 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 27 00:31:16 2024
 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	109	0.00
2	1,4-Dioxane	0.601	0.590	1.8	108	0.00
3	Pyridine	1.468	1.478	-0.7	112	0.00
4	n-Nitrosodimethylamine	0.744	0.735	1.2	108	0.00
5 S	2-Fluorophenol	1.327	1.268	4.4	107	0.00
6	Aniline	1.524	1.547	-1.5	104	-0.02
7 S	Phenol-d6	1.709	1.624	5.0	106	0.00
8	2-Chlorophenol	1.399	1.354	3.2	107	0.00
9	Benzaldehyde	0.941	0.913	3.0	116	0.00
10 C	Phenol	1.767	1.701	3.7	106	0.00
11	bis(2-Chloroethyl)ether	1.427	1.317	7.7	105	0.00
12	1,3-Dichlorobenzene	1.544	1.504	2.6	108	0.00
13 C	1,4-Dichlorobenzene	1.556	1.505	3.3	108	0.00
14	1,2-Dichlorobenzene	1.451	1.390	4.2	107	0.00
15	Benzyl Alcohol	1.228	1.166	5.0	104	0.00
16	2,2'-oxybis(1-Chloropropane	2.158	2.044	5.3	106	0.00
17	2-Methylphenol	1.162	1.114	4.1	106	0.00
18	Hexachloroethane	0.553	0.541	2.2	109	0.00
19 P	n-Nitroso-di-n-propylamine	1.047	0.967	7.6	105	0.00
20	3+4-Methylphenols	1.471	1.414	3.9	106	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	106	0.00
22	Acetophenone	0.491	0.466	5.1	106	0.00
23 S	Nitrobenzene-d5	0.313	0.359	-14.7	117	0.00
24	Nitrobenzene	0.349	0.391	-12.0	113	0.00
25	Isophorone	0.680	0.647	4.9	105	0.00
26 C	2-Nitrophenol	0.118	0.160	-35.6#	134	0.00
27	2,4-Dimethylphenol	0.249	0.244	2.0	107	0.00
28	bis(2-Chloroethoxy)methane	0.431	0.409	5.1	105	0.00
29 C	2,4-Dichlorophenol	0.282	0.279	1.1	107	0.00
30	1,2,4-Trichlorobenzene	0.319	0.313	1.9	106	0.00
31	Naphthalene	1.054	1.013	3.9	106	0.00
32	Benzoic acid	0.178	0.215	-20.8	129	0.00
33	4-Chloroaniline	0.381	0.362	5.0	105	0.00
34 C	Hexachlorobutadiene	0.188	0.183	2.7	107	0.00
35	Caprolactam	0.096	0.094	2.1	106	0.00
36 C	4-Chloro-3-methylphenol	0.313	0.303	3.2	104	0.00
37	2-Methylnaphthalene	0.674	0.646	4.2	107	0.00
38	1-Methylnaphthalene	0.663	0.625	5.7	105	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	105	0.00
40	1,2,4,5-Tetrachlorobenzene	0.550	0.540	1.8	106	0.00
41 P	Hexachlorocyclopentadiene	0.182	0.186	-2.2	105	0.00
42 S	2,4,6-Tribromophenol	0.194	0.205	-5.7	110	0.00
43 C	2,4,6-Trichlorophenol	0.366	0.367	-0.3	106	0.00
44	2,4,5-Trichlorophenol	0.375	0.386	-2.9	107	0.00
45 S	2-Fluorobiphenyl	1.255	1.178	6.1	106	0.00
46	1,1'-Biphenyl	1.531	1.482	3.2	106	0.00
47	2-Chloronaphthalene	1.188	1.140	4.0	105	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
 Data File : BF140994.D
 Acq On : 27 Dec 2024 13:59
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Dec 27 14:47:17 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 27 00:31:16 2024
 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	0.259	0.349	-34.7#	128	0.00
49	Acenaphthylene	1.710	1.661	2.9	106	0.00
50	Dimethylphthalate	1.316	1.281	2.7	105	0.00
51	2,6-Dinitrotoluene	0.231	0.296	-28.1#	122	0.00
52 C	Acenaphthene	1.156	1.122	2.9	106	0.00
53	3-Nitroaniline	0.255	0.320	-25.5#	120	0.00
54 P	2,4-Dinitrophenol	0.075	0.099	-32.0#	146	0.00
55	Dibenzofuran	1.624	1.563	3.8	105	0.00
56 P	4-Nitrophenol	0.225	0.246	-9.3	113	0.00
57	2,4-Dinitrotoluene	0.273	0.378	-38.5#	129	0.00
58	Fluorene	1.260	1.191	5.5	105	0.00
59	2,3,4,6-Tetrachlorophenol	0.310	0.315	-1.6	106	0.00
60	Diethylphthalate	1.299	1.261	2.9	105	0.00
61	4-Chlorophenyl-phenylether	0.606	0.572	5.6	104	0.00
62	4-Nitroaniline	0.255	0.316	-23.9	120	0.00
63	Azobenzene	1.363	1.309	4.0	105	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	102	0.00
65	4,6-Dinitro-2-methylphenol	0.067	0.093	-38.8#	143	0.00
66 c	n-Nitrosodiphenylamine	0.630	0.617	2.1	104	0.00
67	4-Bromophenyl-phenylether	0.216	0.220	-1.9	105	0.00
68	Hexachlorobenzene	0.238	0.235	1.3	104	0.00
69	Atrazine	0.176	0.158	10.2	103	0.00
70 C	Pentachlorophenol	0.148	0.161	-8.8	106	0.00
71	Phenanthrene	1.053	1.034	1.8	105	0.00
72	Anthracene	1.031	1.003	2.7	103	0.00
73	Carbazole	0.992	0.965	2.7	104	0.00
74	Di-n-butylphthalate	1.128	1.104	2.1	104	0.00
75 C	Fluoranthene	1.142	1.081	5.3	101	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	100	0.00
77	Benzidine	0.423	0.532	-25.8#	129	0.00
78	Pyrene	1.749	1.690	3.4	100	0.00
79 S	Terphenyl-d14	1.204	1.166	3.2	102	0.00
80	Butylbenzylphthalate	0.639	0.645	-0.9	99	0.00
81	Benzo(a)anthracene	1.394	1.316	5.6	96	0.00
82	3,3'-Dichlorobenzidine	0.419	0.406	3.1	101	0.00
83	Chrysene	1.257	1.236	1.7	103	0.00
84	Bis(2-ethylhexyl)phthalate	0.828	0.820	1.0	100	0.00
85 c	Di-n-octyl phthalate	1.199	1.221	-1.8	102	0.00
86 I	Perylene-d12	1.000	1.000	0.0	108	-0.01
87	Indeno(1,2,3-cd)pyrene	1.260	1.291	-2.5	107	-0.01
88	Benzo(b)fluoranthene	1.395	1.240	11.1	95	0.00
89	Benzo(k)fluoranthene	1.093	1.226	-12.2	125	0.00
90 C	Benzo(a)pyrene	1.083	1.067	1.5	108	-0.01
91	Dibenzo(a,h)anthracene	1.021	1.047	-2.5	106	0.00
92	Benzo(g,h,i)perylene	1.059	1.058	0.1	102	-0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140994.D
Acq On : 27 Dec 2024 13:59
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Dec 27 14:47:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev Area	% Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 1

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
 Data File : BF140994.D
 Acq On : 27 Dec 2024 13:59
 Operator : RC/JU
 Sample : SSTDCCC040
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Instrument :
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Quant Time: Dec 27 14:47:17 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 27 00:31:16 2024
 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	109	0.00
2	1,4-Dioxane	40.000	39.280	1.8	108	0.00
3	Pyridine	40.000	40.285	-0.7	112	0.00
4	n-Nitrosodimethylamine	40.000	39.553	1.1	108	0.00
5 S	2-Fluorophenol	80.000	76.459	4.4	107	0.00
6	Aniline	40.000	40.582	-1.5	104	-0.02
7 S	Phenol-d6	80.000	76.023	5.0	106	0.00
8	2-Chlorophenol	40.000	38.720	3.2	107	0.00
9	Benzaldehyde	40.000	44.682	-11.7	116	0.00
10 C	Phenol	40.000	38.488	3.8	106	0.00
11	bis(2-Chloroethyl)ether	40.000	36.923	7.7	105	0.00
12	1,3-Dichlorobenzene	40.000	38.974	2.6	108	0.00
13 C	1,4-Dichlorobenzene	40.000	38.694	3.3	108	0.00
14	1,2-Dichlorobenzene	40.000	38.312	4.2	107	0.00
15	Benzyl Alcohol	40.000	37.984	5.0	104	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	37.887	5.3	106	0.00
17	2-Methylphenol	40.000	38.327	4.2	106	0.00
18	Hexachloroethane	40.000	39.154	2.1	109	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	36.927	7.7	105	0.00
20	3+4-Methylphenols	40.000	38.461	3.8	106	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	106	0.00
22	Acetophenone	40.000	38.002	5.0	106	0.00
23 S	Nitrobenzene-d5	80.000	91.990	-15.0	117	0.00
24	Nitrobenzene	40.000	44.733	-11.8	113	0.00
25	Isophorone	40.000	38.034	4.9	105	0.00
26 C	2-Nitrophenol	40.000	45.034	-12.6	134	0.00
27	2,4-Dimethylphenol	40.000	39.199	2.0	107	0.00
28	bis(2-Chloroethoxy)methane	40.000	37.937	5.2	105	0.00
29 C	2,4-Dichlorophenol	40.000	39.596	1.0	107	0.00
30	1,2,4-Trichlorobenzene	40.000	39.171	2.1	106	0.00
31	Naphthalene	40.000	38.456	3.9	106	0.00
32	Benzoic acid	40.000	43.059	-7.6	129	0.00
33	4-Chloroaniline	40.000	37.952	5.1	105	0.00
34 C	Hexachlorobutadiene	40.000	38.912	2.7	107	0.00
35	Caprolactam	40.000	39.233	1.9	106	0.00
36 C	4-Chloro-3-methylphenol	40.000	38.663	3.3	104	0.00
37	2-Methylnaphthalene	40.000	38.321	4.2	107	0.00
38	1-Methylnaphthalene	40.000	37.754	5.6	105	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	105	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	39.245	1.9	106	0.00
41 P	Hexachlorocyclopentadiene	40.000	40.751	-1.9	105	0.00
42 S	2,4,6-Tribromophenol	80.000	84.432	-5.5	110	0.00
43 C	2,4,6-Trichlorophenol	40.000	40.100	-0.3	106	0.00
44	2,4,5-Trichlorophenol	40.000	41.204	-3.0	107	0.00
45 S	2-Fluorobiphenyl	80.000	75.089	6.1	106	0.00
46	1,1'-Biphenyl	40.000	38.706	3.2	106	0.00
47	2-Chloronaphthalene	40.000	38.378	4.1	105	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
 Data File : BF140994.D
 Acq On : 27 Dec 2024 13:59
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Dec 27 14:47:17 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 27 00:31:16 2024
 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	45.257	-13.1	128	0.00
49	Acenaphthylene	40.000	38.857	2.9	106	0.00
50	Dimethylphthalate	40.000	38.961	2.6	105	0.00
51	2,6-Dinitrotoluene	40.000	44.477	-11.2	122	0.00
52 C	Acenaphthene	40.000	38.833	2.9	106	0.00
53	3-Nitroaniline	40.000	44.203	-10.5	120	0.00
54 P	2,4-Dinitrophenol	40.000	47.390	-18.5	146	0.00
55	Dibenzofuran	40.000	38.499	3.8	105	0.00
56 P	4-Nitrophenol	40.000	43.761	-9.4	113	0.00
57	2,4-Dinitrotoluene	40.000	46.211	-15.5	129	0.00
58	Fluorene	40.000	37.810	5.5	105	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	40.652	-1.6	106	0.00
60	Diethylphthalate	40.000	38.843	2.9	105	0.00
61	4-Chlorophenyl-phenylether	40.000	37.721	5.7	104	0.00
62	4-Nitroaniline	40.000	43.704	-9.3	120	0.00
63	Azobenzene	40.000	38.398	4.0	105	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	102	0.00
65	4,6-Dinitro-2-methylphenol	40.000	46.917	-17.3	143	0.00
66 c	n-Nitrosodiphenylamine	40.000	39.161	2.1	104	0.00
67	4-Bromophenyl-phenylether	40.000	40.629	-1.6	105	0.00
68	Hexachlorobenzene	40.000	39.462	1.3	104	0.00
69	Atrazine	40.000	35.956	10.1	103	0.00
70 C	Pentachlorophenol	40.000	43.264	-8.2	106	0.00
71	Phenanthrene	40.000	39.276	1.8	105	0.00
72	Anthracene	40.000	38.909	2.7	103	0.00
73	Carbazole	40.000	38.935	2.7	104	0.00
74	Di-n-butylphthalate	40.000	39.149	2.1	104	0.00
75 C	Fluoranthene	40.000	37.866	5.3	101	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	100	0.00
77	Benzidine	40.000	50.365	-25.9#	129	0.00
78	Pyrene	40.000	38.653	3.4	100	0.00
79 S	Terphenyl-d14	80.000	77.455	3.2	102	0.00
80	Butylbenzylphthalate	40.000	40.421	-1.1	99	0.00
81	Benzo(a)anthracene	40.000	37.774	5.6	96	0.00
82	3,3'-Dichlorobenzidine	40.000	38.791	3.0	101	0.00
83	Chrysene	40.000	39.340	1.6	103	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	39.580	1.1	100	0.00
85 c	Di-n-octyl phthalate	40.000	40.727	-1.8	102	0.00
86 I	Perylene-d12	20.000	20.000	0.0	108	-0.01
87	Indeno(1,2,3-cd)pyrene	40.000	40.992	-2.5	107	-0.01
88	Benzo(b)fluoranthene	40.000	35.555	11.1	95	0.00
89	Benzo(k)fluoranthene	40.000	44.855	-12.1	125	0.00
90 C	Benzo(a)pyrene	40.000	39.424	1.4	108	-0.01
91	Dibenzo(a,h)anthracene	40.000	40.991	-2.5	106	0.00
92	Benzo(g,h,i)perylene	40.000	39.931	0.2	102	-0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140994.D
Acq On : 27 Dec 2024 13:59
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Dec 27 14:47:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
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



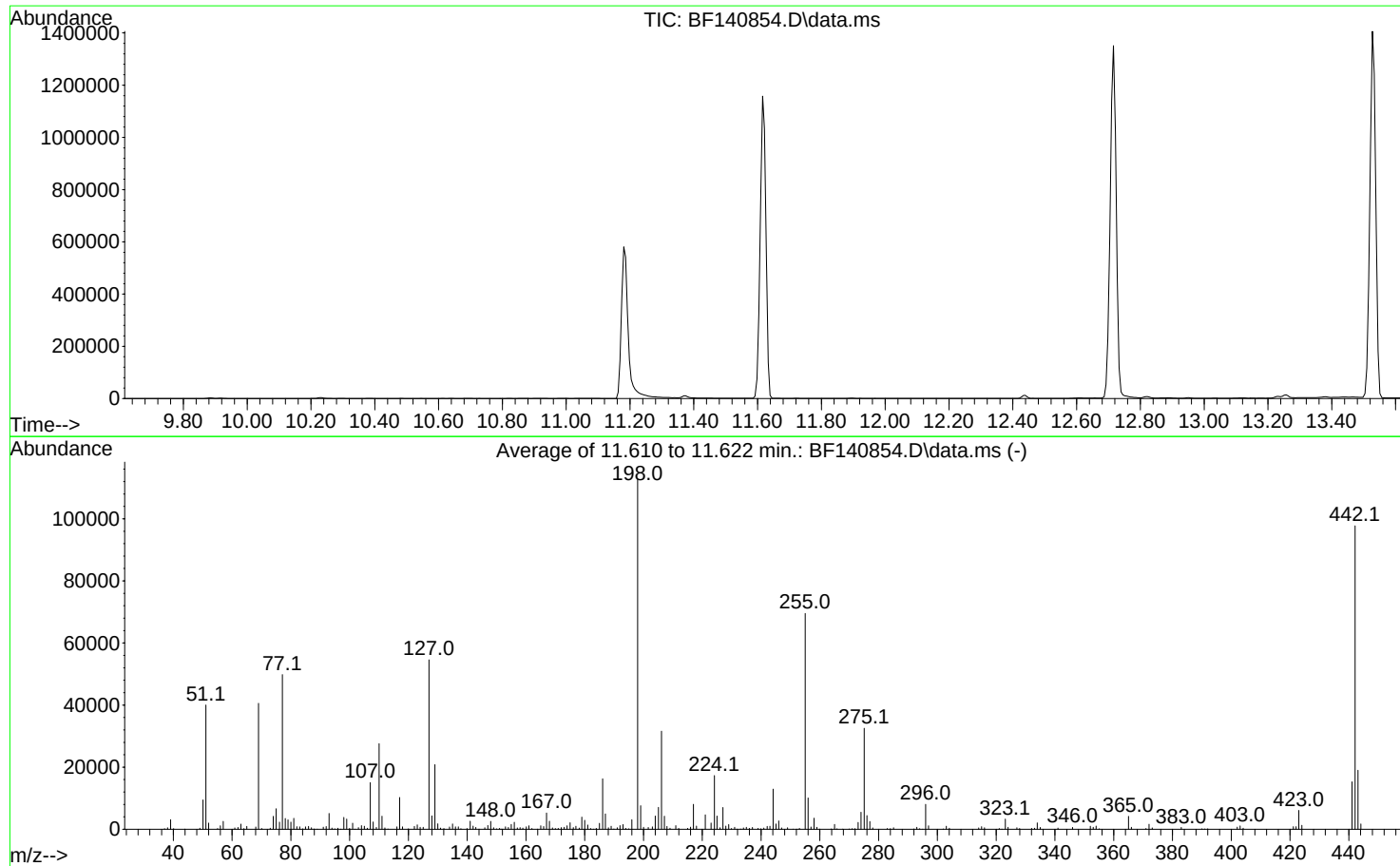
QC SAMPLE DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
Data File : BF140854.D
Acq On : 16 Dec 2024 11:21
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Dec 16 16:59:50 2024



AutoFind: Scans 1618, 1619, 1620; Background Corrected with Scan 1612

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
51	198	10	80	35.6	40051	PASS
68	69	0.00	2	1.9	751	PASS
69	198	0.00	100	36.0	40557	PASS
70	69	0.00	2	0.6	252	PASS
127	198	10	80	48.5	54581	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	112637	PASS
199	198	5	9	6.7	7601	PASS
275	198	10	60	28.9	32549	PASS
365	198	1	100	3.7	4169	PASS
441	198	0.01	100	13.6	15301	PASS
442	442	50	100	100.0	97731	PASS
443	442	15	24	19.4	18998	PASS

DDT Breakdown

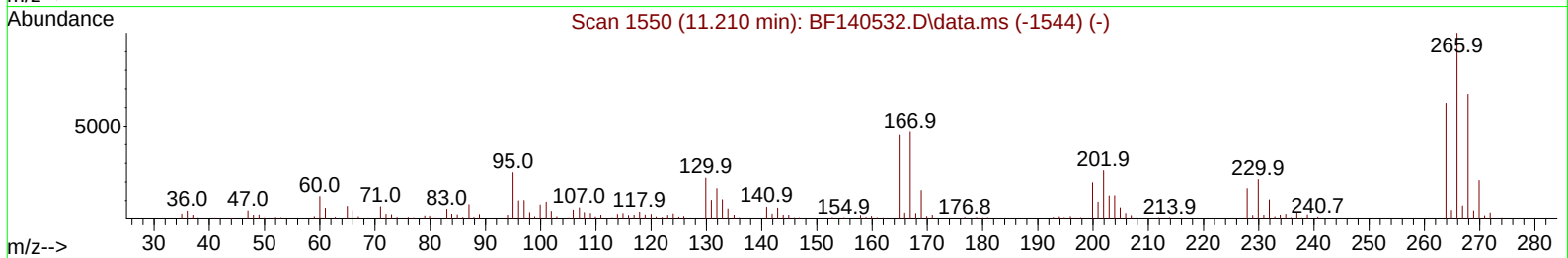
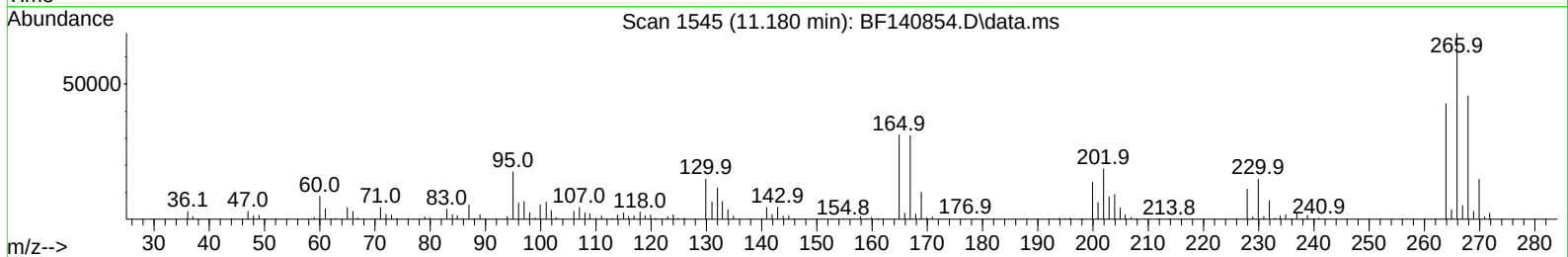
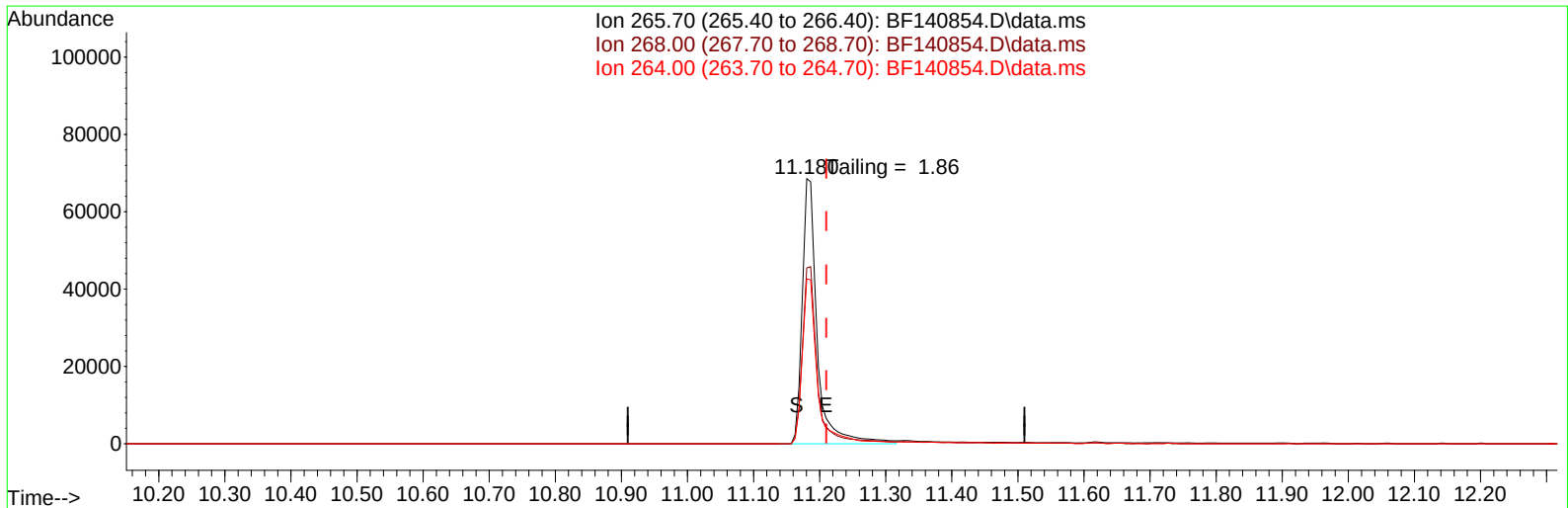
Date	Instrument Name	DFTPP Data File
12/16/2024	BNA_F	<u>BF140854.D</u>
Compound Name	Response	Retention Time
DDT	360303	13.527
DDD	6357	13.257
DDE	1383	12.892
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
7740	368043	2.10

Instrument :
BNA_F
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
Data File : BF140854.D
Acq On : 16 Dec 2024 11:21
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Dec 16 12:02:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration



TIC: BF140854.D\data.ms

(70) Pentachlorophenol (C)

11.180min (-0.030) 3894.75 ng m

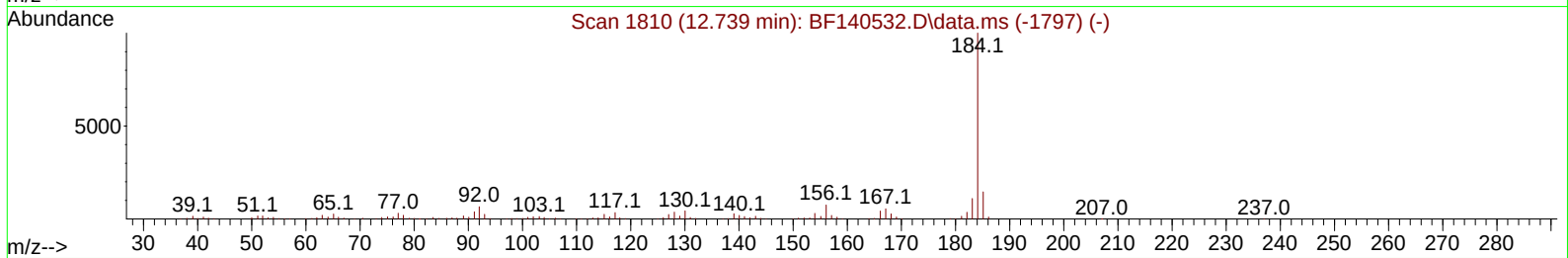
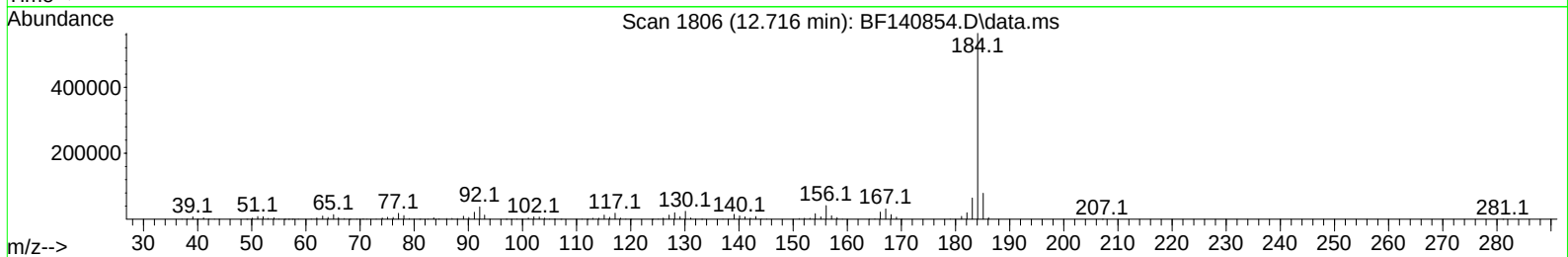
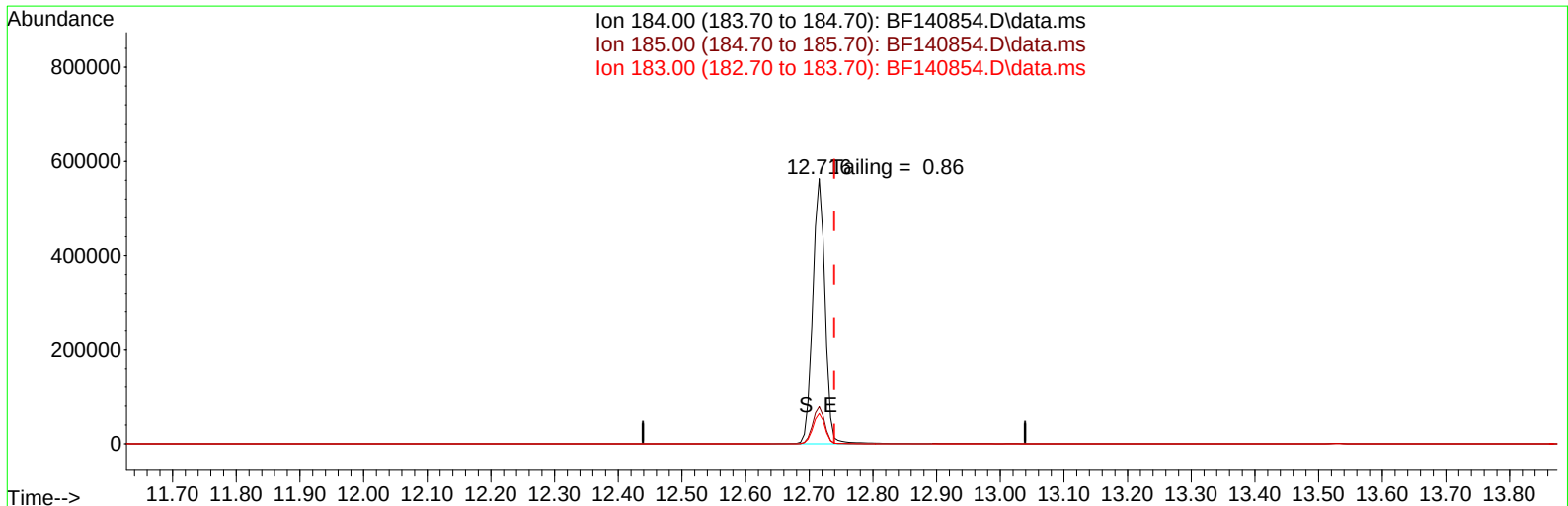
response 108541

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	67.10	66.31
264.00	62.30	62.20
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
Data File : BF140854.D
Acq On : 16 Dec 2024 11:21
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Dec 16 12:02:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration



TIC: BF140854.D\data.ms

(77) Benzidine

12.716min (-0.023) 4792.75 ng

response 759160

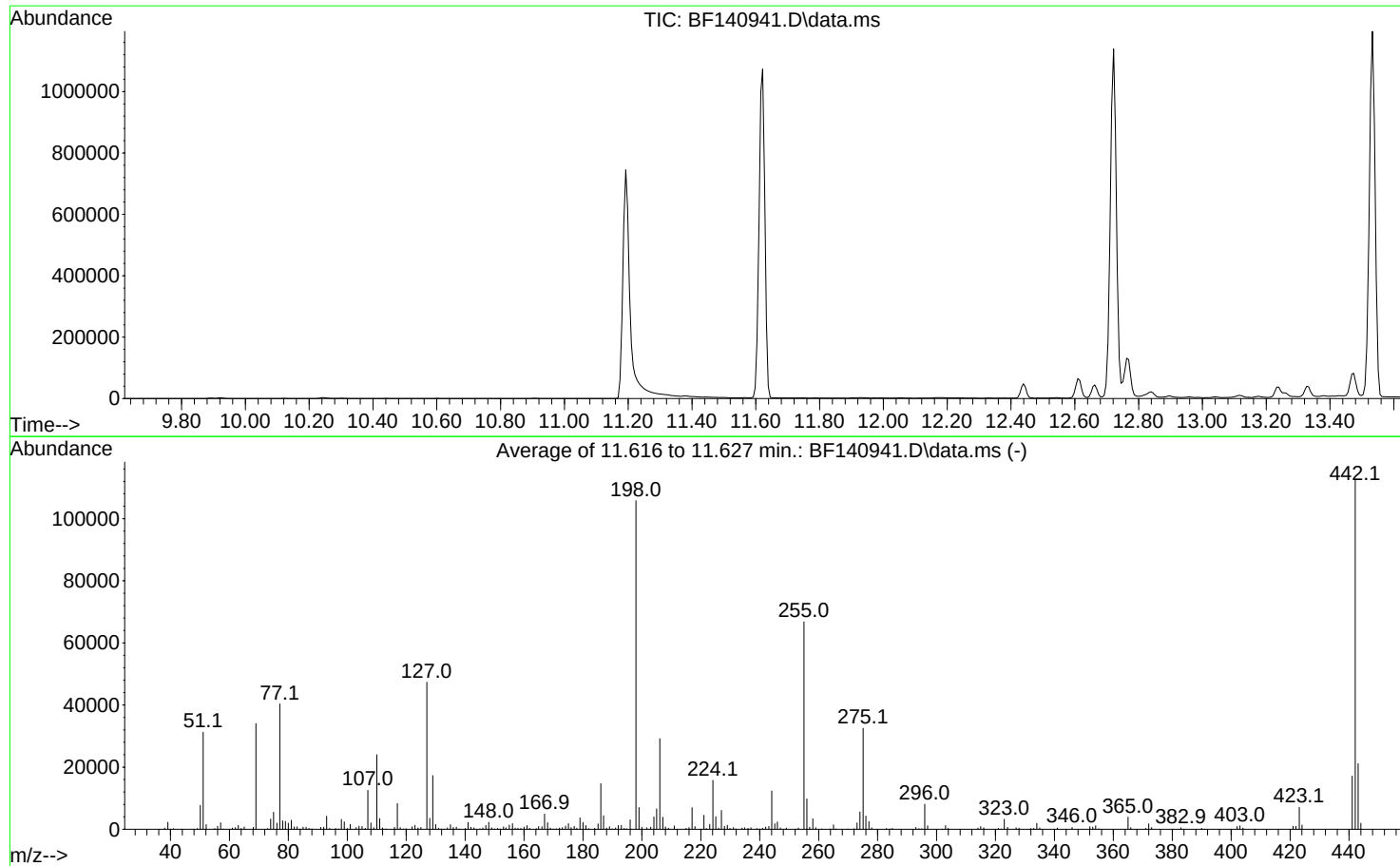
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.60	14.01
183.00	11.00	11.44
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
Data File : BF140941.D
Acq On : 20 Dec 2024 09:47
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Dec 16 16:59:50 2024



AutoFind: Scans 1619, 1620, 1621; Background Corrected with Scan 1612

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	29.6	31259	PASS
68	69	0.00	2	1.9	646	PASS
69	198	0.00	100	32.2	34051	PASS
70	69	0.00	2	0.0	0	PASS
127	198	10	80	44.8	47344	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	105763	PASS
199	198	5	9	6.6	7029	PASS
275	198	10	60	30.8	32541	PASS
365	198	1	100	3.7	3936	PASS
441	198	0.01	100	16.2	17150	PASS
442	442	50	100	100.0	112581	PASS
443	442	15	24	18.7	21093	PASS

DDT Breakdown

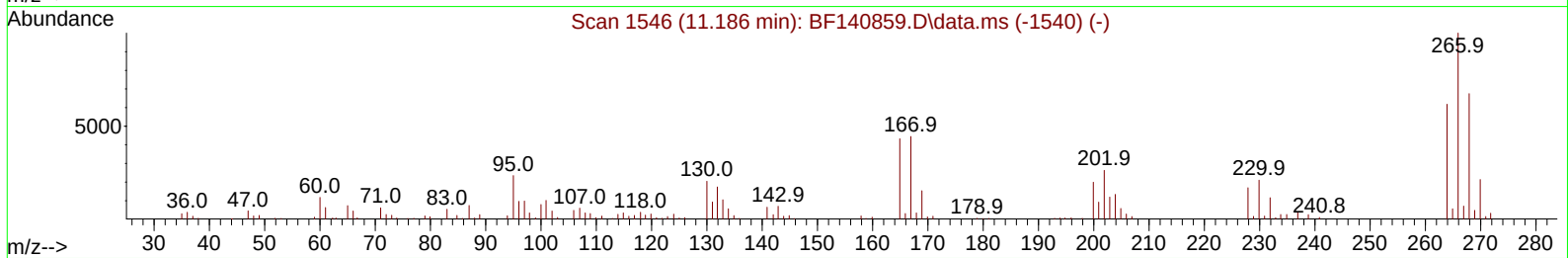
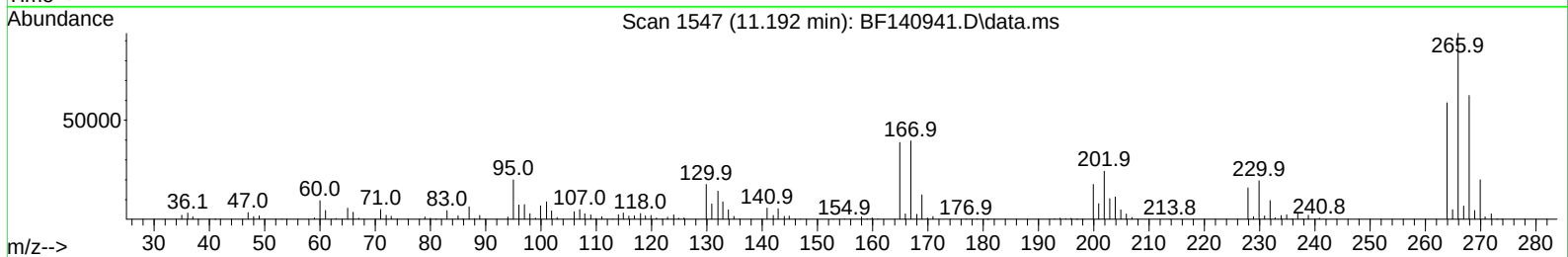
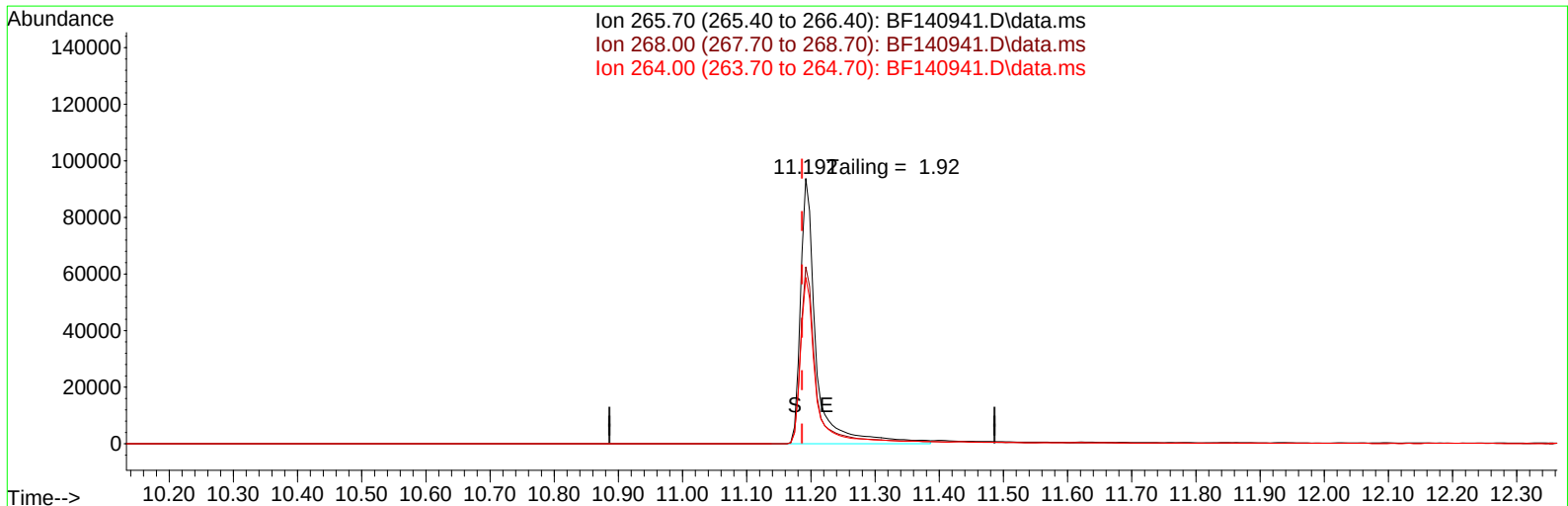
Date	Instrument Name	DFTPP Data File
12/20/2024	BNA_F	<u>BF1408941.D</u>
Compound Name	Response	Retention Time
DDT	616229	13.533
DDD	15993	13.239
DDE	2518	12.898
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
18511	634740	2.92

Instrument :
BNA_F
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
Data File : BF140941.D
Acq On : 20 Dec 2024 09:47
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Dec 20 11:56:51 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration



TIC: BF140941.D\data.ms

(70) Pentachlorophenol (C)

11.192min (+ 0.006) 18269.88 ng

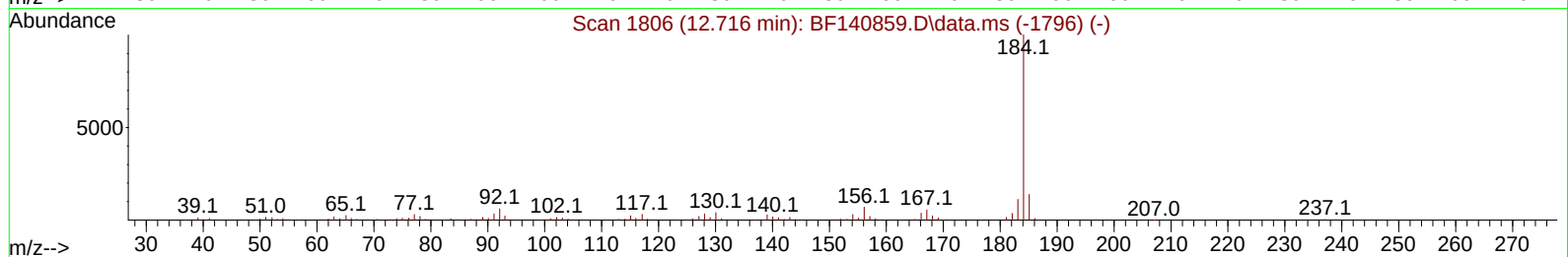
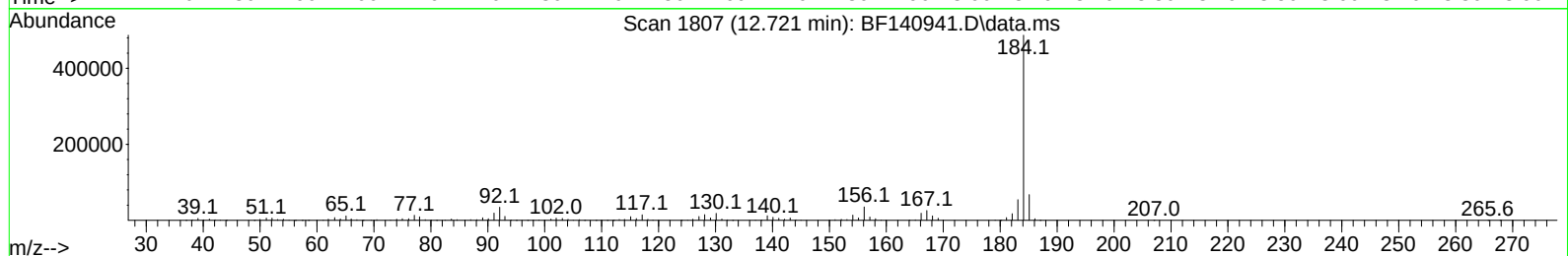
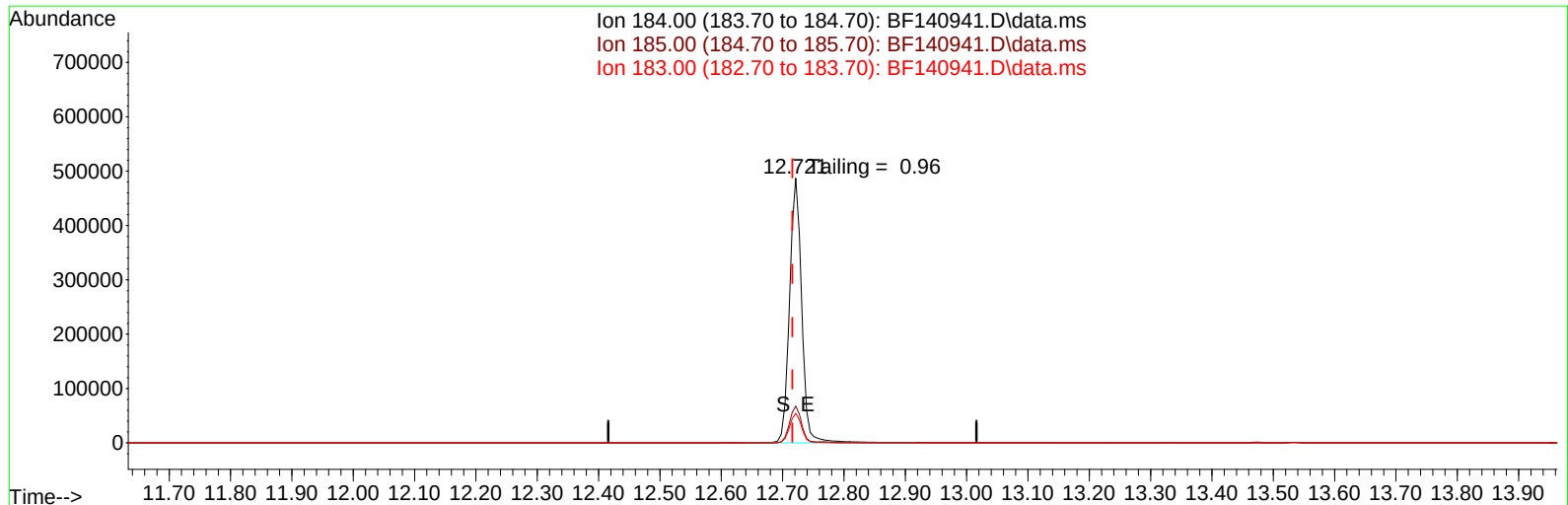
response 157756

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	67.50	66.64
264.00	61.80	62.70
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
Data File : BF140941.D
Acq On : 20 Dec 2024 09:47
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Dec 20 11:56:51 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration



TIC: BF140941.D\data.ms

(77) Benzidine

12.721min (+ 0.005) 28215.57 ng

response 676070

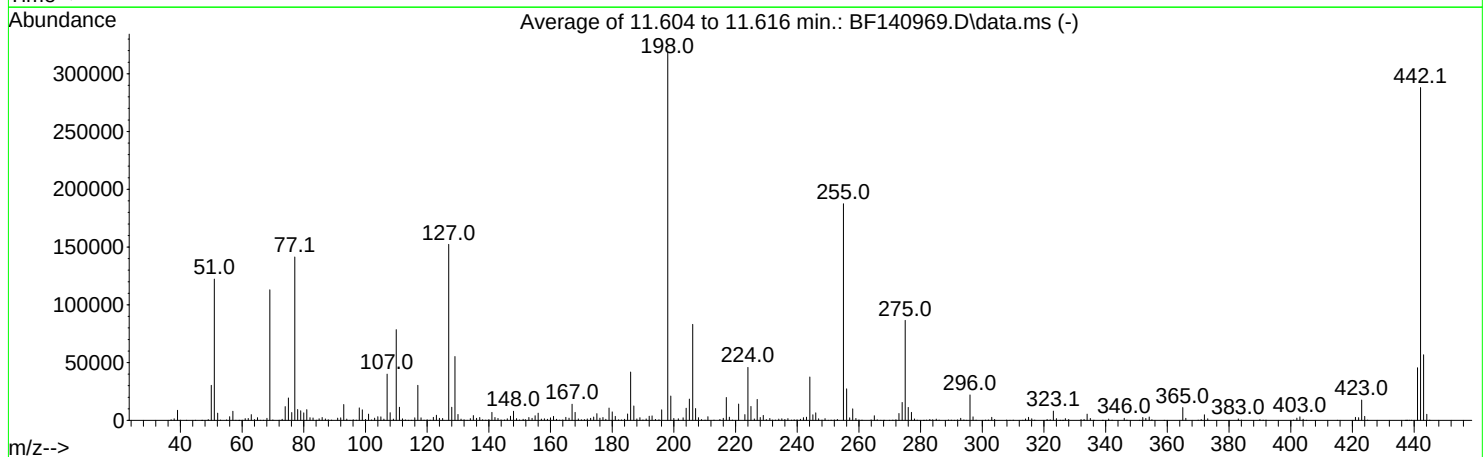
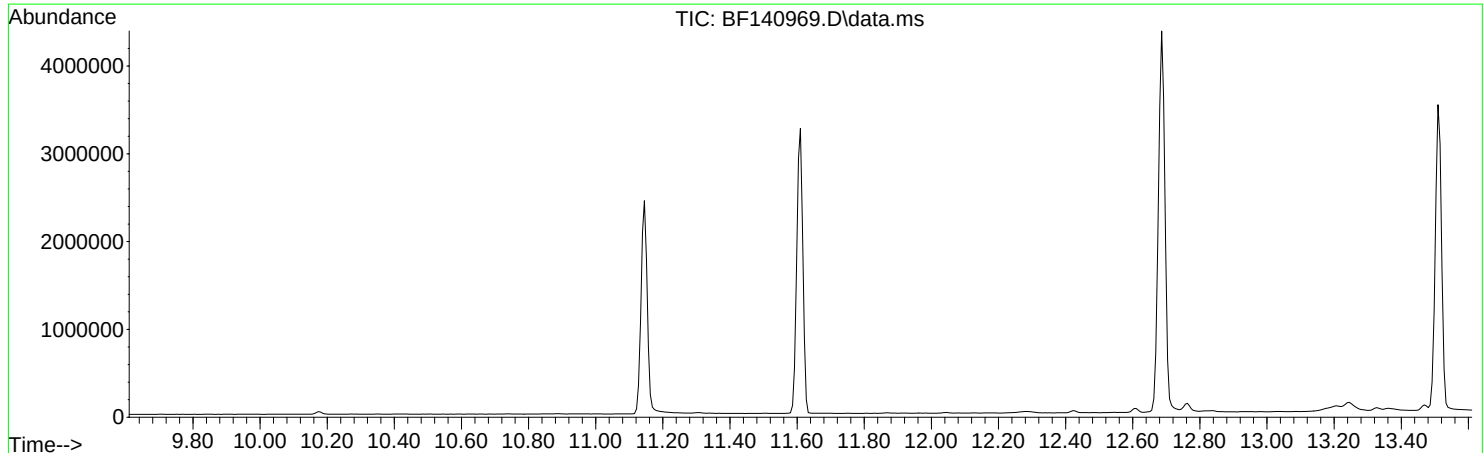
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	13.90	13.93
183.00	11.20	11.19
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140969.D
Acq On : 26 Dec 2024 15:57
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Dec 27 00:31:16 2024



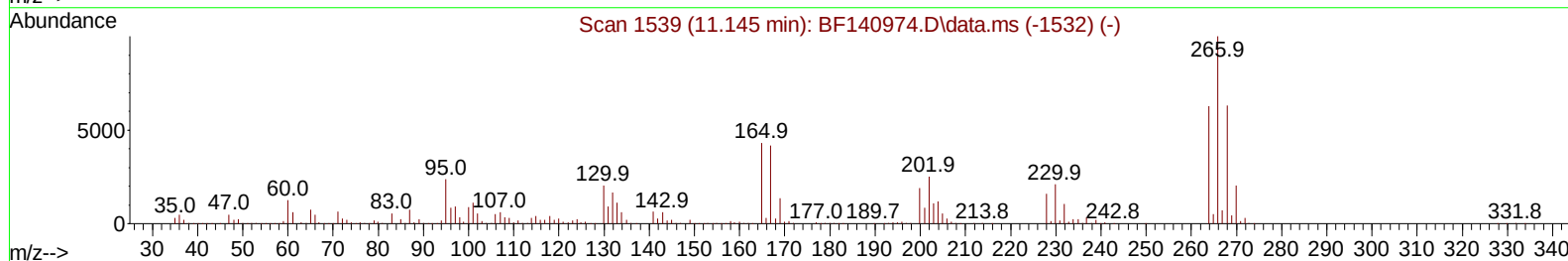
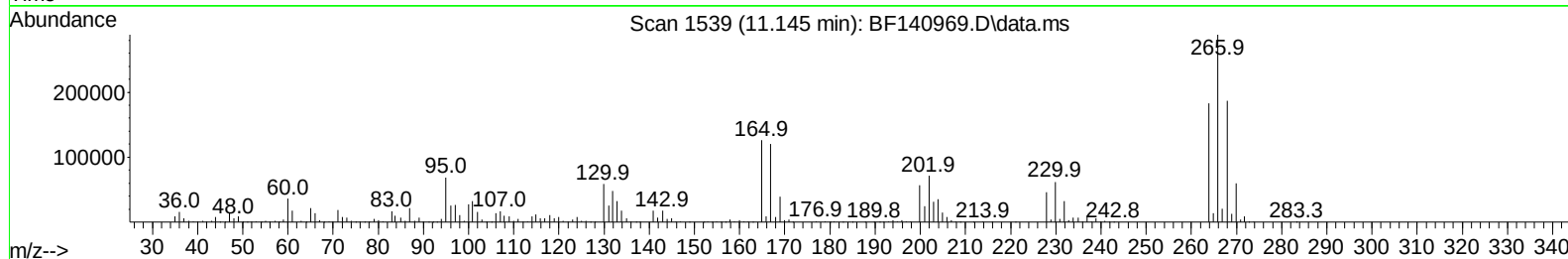
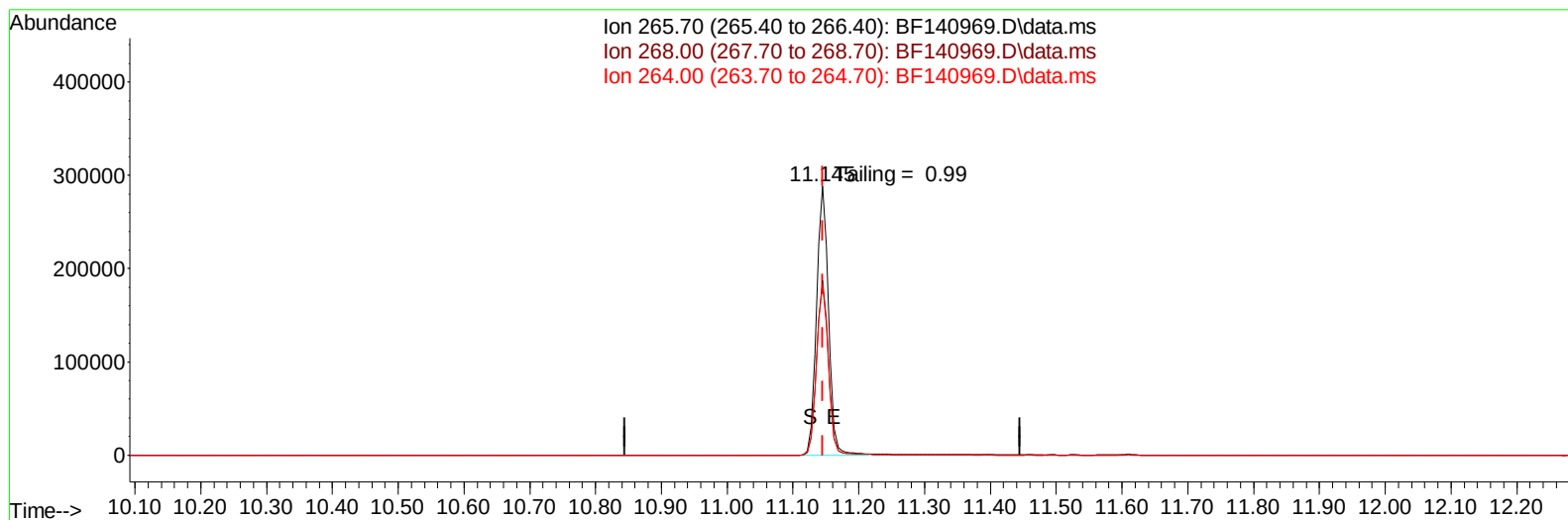
AutoFind: Scans 1617, 1618, 1619; Background Corrected with Scan 1610

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	38.4	122253	PASS
68	69	0.00	2	1.7	1874	PASS
69	198	0.00	100	35.5	113056	PASS
70	69	0.00	2	0.4	479	PASS
127	198	10	80	47.8	152328	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	318400	PASS
199	198	5	9	6.6	21108	PASS
275	198	10	60	27.2	86501	PASS
365	198	1	100	3.5	11162	PASS
441	198	0.01	100	14.3	45621	PASS
442	442	50	100	100.0	288064	PASS
443	442	15	24	19.7	56736	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140969.D
Acq On : 26 Dec 2024 15:57
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Dec 27 00:41:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration



TIC: BF140969.D\data.ms

(70) Pentachlorophenol (C)

11.145min (+ 0.000) 171712.33 ng

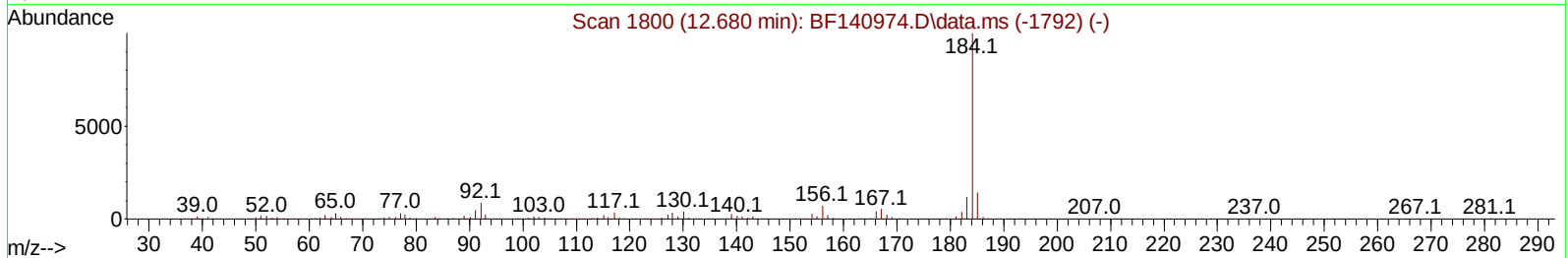
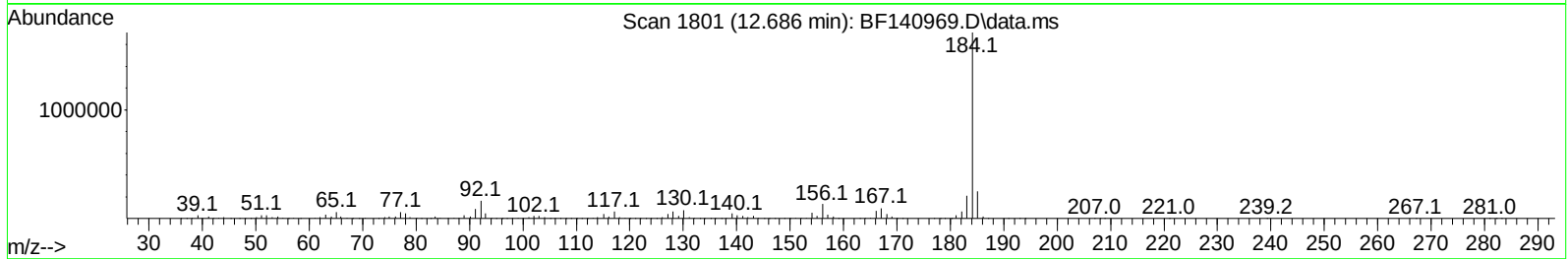
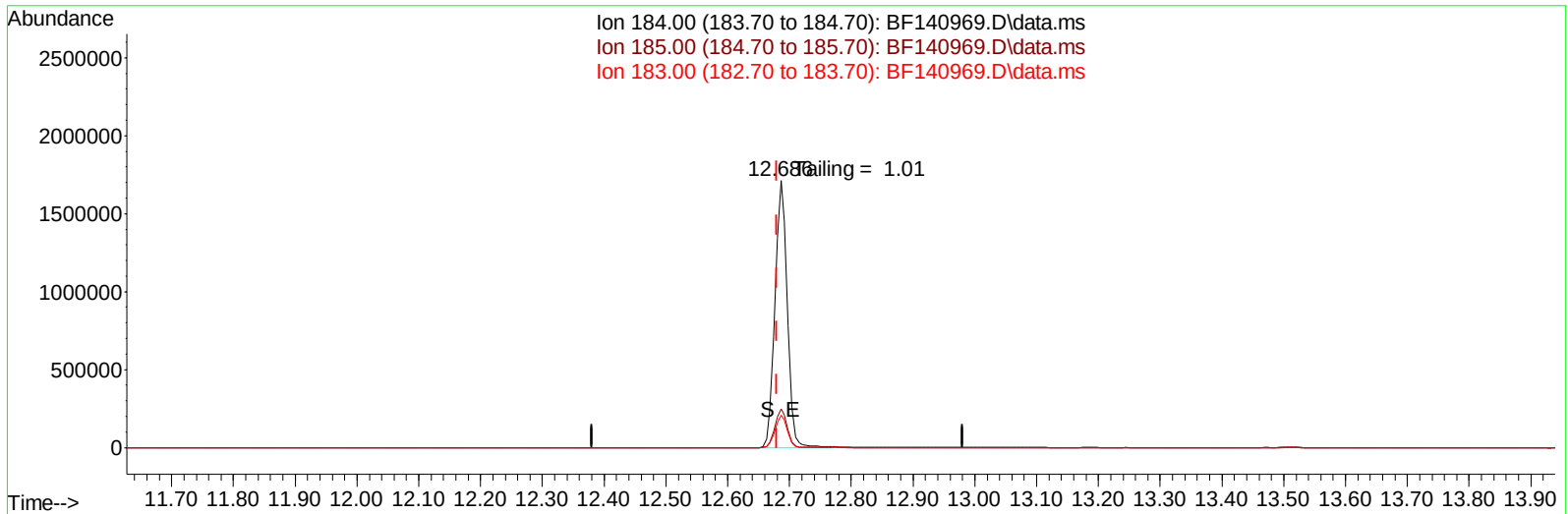
response 370836

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.10	64.90
264.00	62.80	63.32
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140969.D
Acq On : 26 Dec 2024 15:57
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Dec 27 00:41:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration



TIC: BF140969.D\data.ms

(77) Benzidine

12.686min (+ 0.006) 253030.63 ng

response 2406398

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.30	14.44
183.00	11.70	12.18
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
12/26/2024	BNA_F	<u>BF140969.D</u>
Compound Name	Response	Retention Time
DDT	737647	13.51
DDD	7676	13.239
DDE	0	12.898
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
7676	745323	1.03

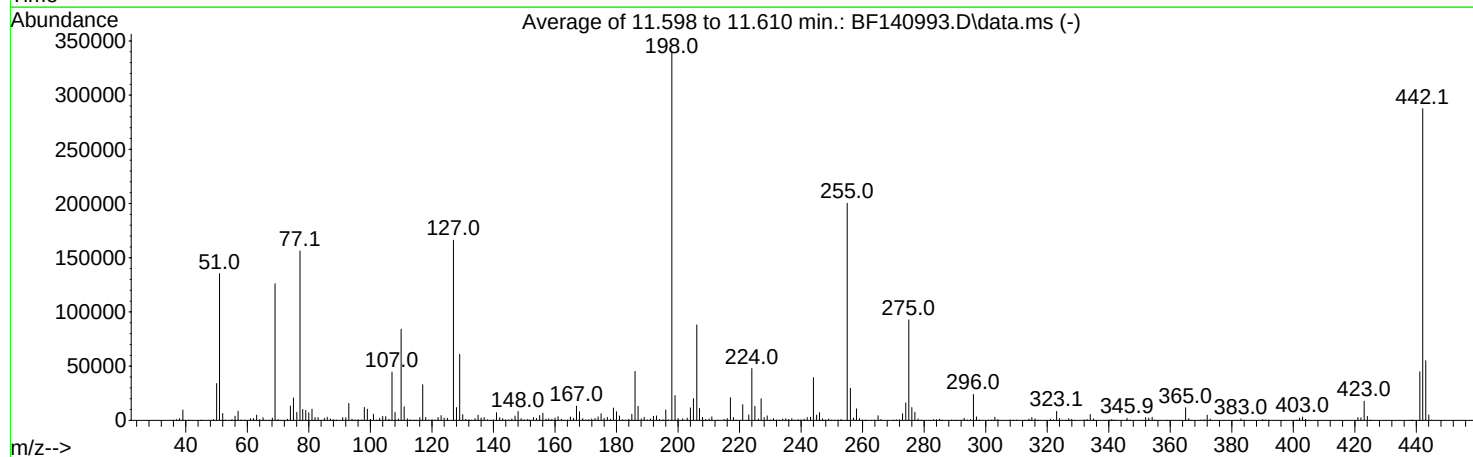
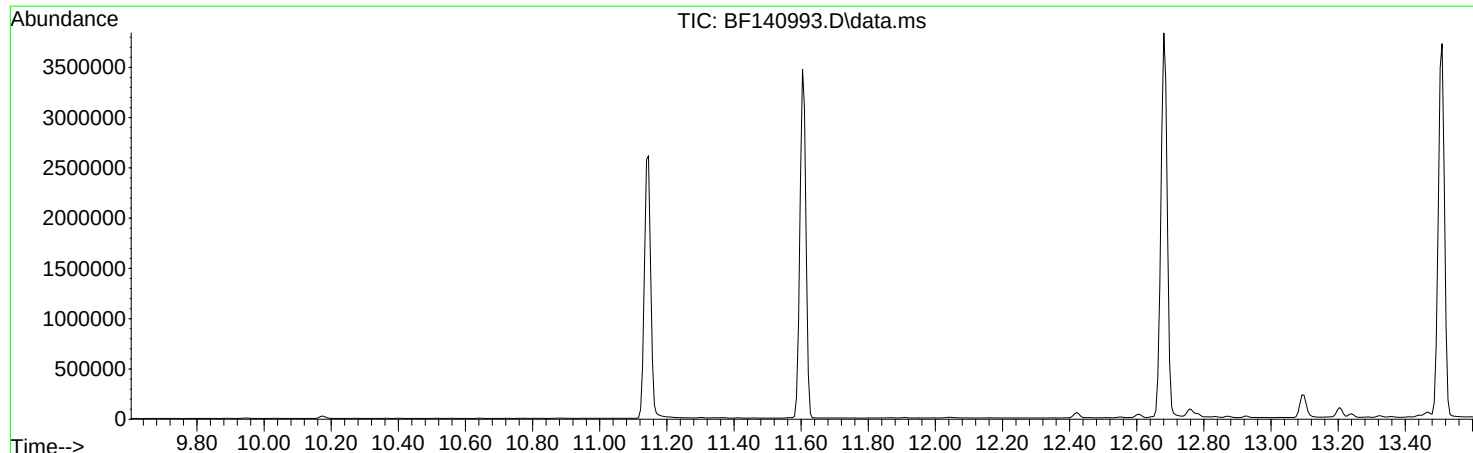
Instrument :
BNA_F
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140993.D
Acq On : 27 Dec 2024 13:33
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Dec 27 00:31:16 2024



AutoFind: Scans 1616, 1617, 1618; Background Corrected with Scan 1610

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	39.9	135298	PASS
68	69	0.00	2	1.8	2267	PASS
69	198	0.00	100	37.1	126038	PASS
70	69	0.00	2	0.6	718	PASS
127	198	10	80	49.0	166187	PASS
197	198	0.00	2	0.2	570	PASS
198	198	100	100	100.0	339328	PASS
199	198	5	9	6.7	22835	PASS
275	198	10	60	27.3	92720	PASS
365	198	1	100	3.5	11707	PASS
441	198	0.01	100	13.2	44816	PASS
442	442	50	100	100.0	287488	PASS
443	442	15	24	19.1	55021	PASS

DDT Breakdown

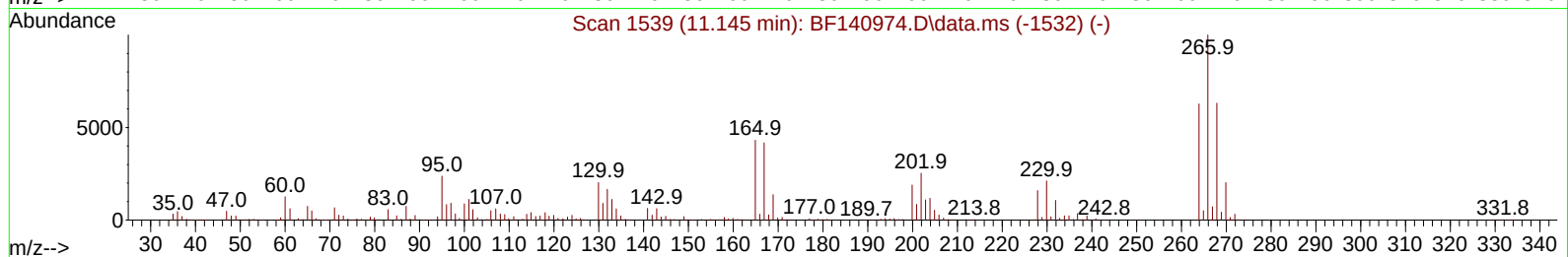
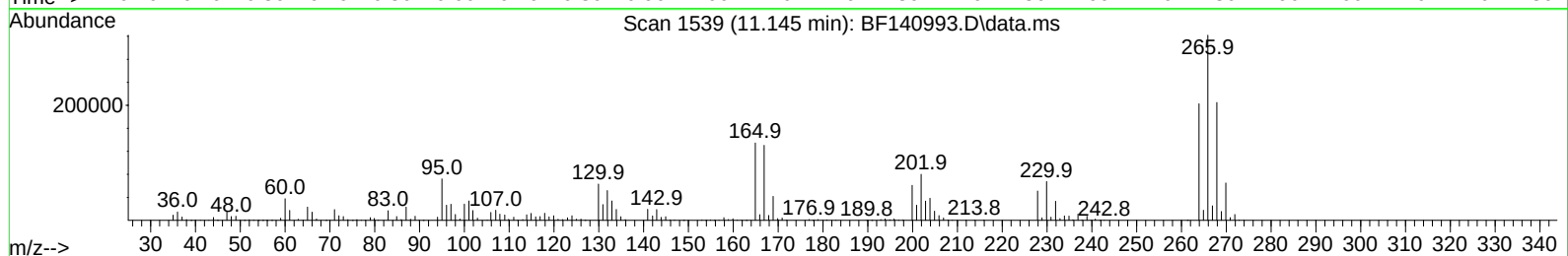
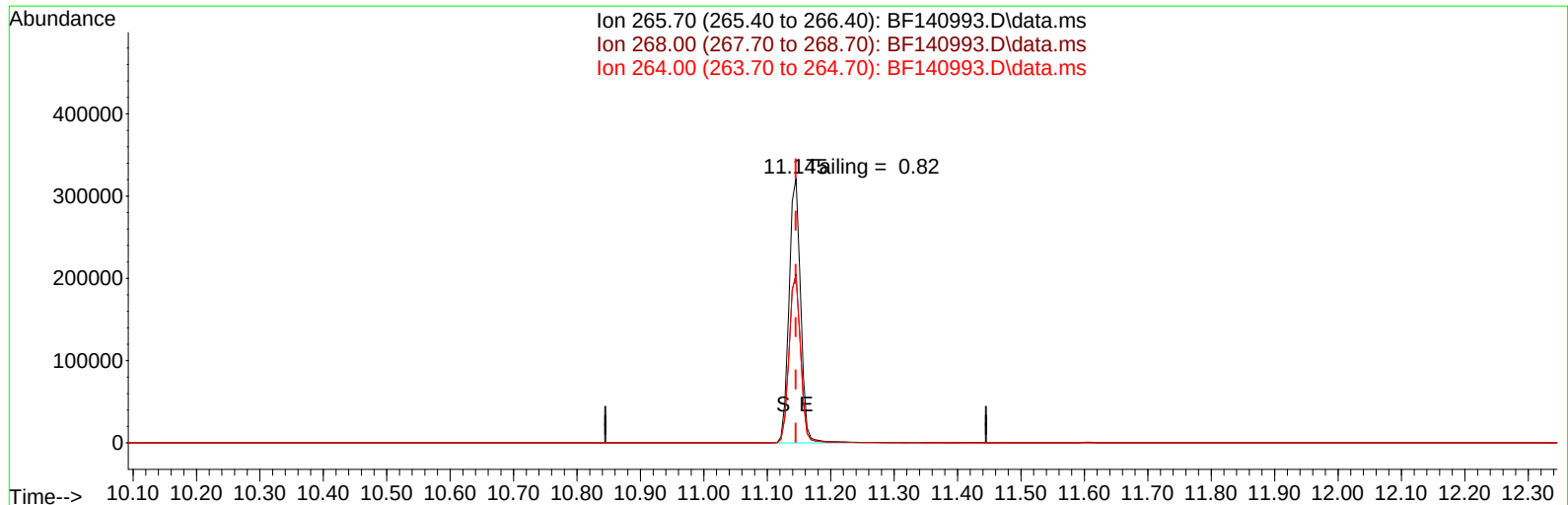
Date	Instrument Name	DFTPP Data File
12/27/2024	BNA_F	<u>BF140993.D</u>
Compound Name	Response	Retention Time
DDT	916292	13.51
DDD	30550	13.204
DDE	2523	12.869
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
33073	949365	3.48

Instrument :
BNA_F
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140993.D
Acq On : 27 Dec 2024 13:33
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Dec 27 14:11:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration



TIC: BF140993.D\data.ms

(70) Pentachlorophenol (C)

11.145min (+ 0.000) 33852.29 ng

response 415287

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.10	63.69
264.00	62.80	63.03
0.00	0.00	0.00

Instrument :
BNA_F
ClientSampleId :
DFTPP

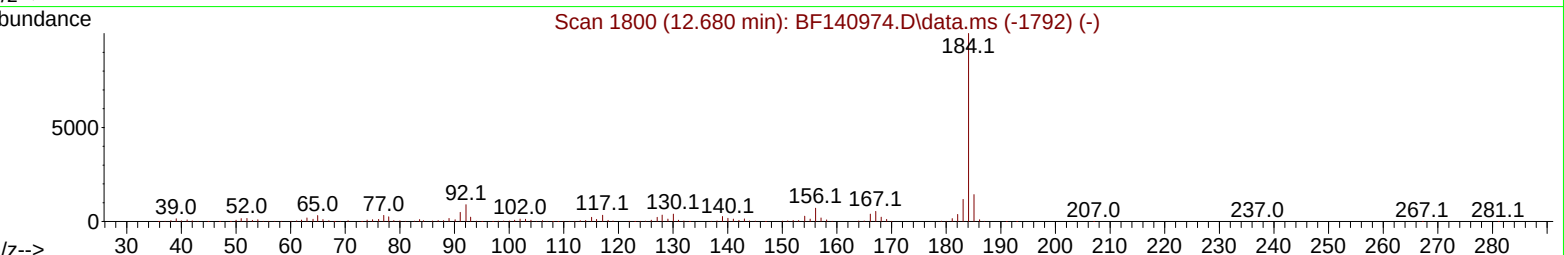
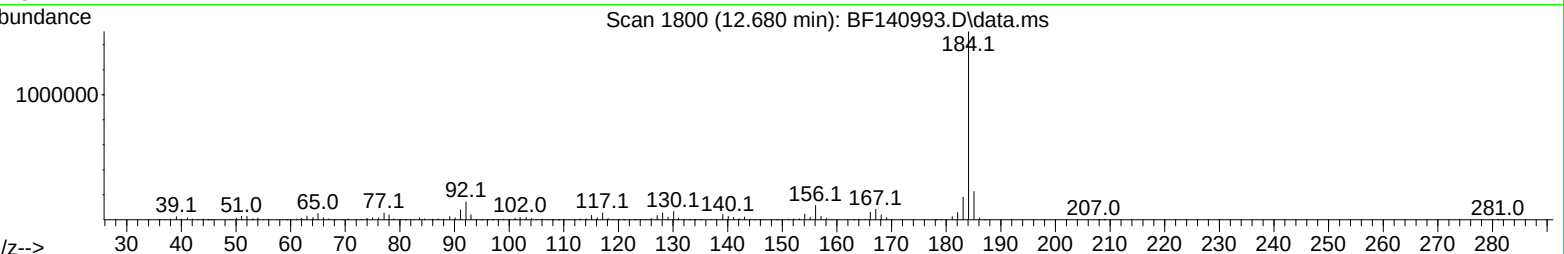
Abundance

Ion 184.00 (183.70 to 184.70): BF140993.D\data.ms
Ion 185.00 (184.70 to 185.70): BF140993.D\data.ms
Ion 183.00 (182.70 to 183.70): BF140993.D\data.ms

12.680
12.690
Tailing = 1.16

S E

me-->



TIC: BF140993.D\data.ms

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.30	15.02
183.00	11.70	12.03
0.00	0.00	0.00

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB165705BL	SDG No.:	P5299
Lab Sample ID:	PB165705BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140943.D	1	12/18/24 08:56	12/20/24 11:41	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	180	U	180	330	ug/Kg
108-95-2	Phenol	82.8	U	82.8	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	83.6	U	83.6	170	ug/Kg
95-57-8	2-Chlorophenol	83.4	U	83.4	170	ug/Kg
95-48-7	2-Methylphenol	80.5	U	80.5	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	90.8	U	90.8	170	ug/Kg
98-86-2	Acetophenone	86.8	U	86.8	170	ug/Kg
65794-96-9	3+4-Methylphenols	79.7	U	79.7	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	40.3	U	40.3	79.9	ug/Kg
67-72-1	Hexachloroethane	82.9	U	82.9	170	ug/Kg
98-95-3	Nitrobenzene	90.7	U	90.7	170	ug/Kg
78-59-1	Isophorone	84.5	U	84.5	170	ug/Kg
88-75-5	2-Nitrophenol	94.4	U	94.4	170	ug/Kg
105-67-9	2,4-Dimethylphenol	93.1	U	93.1	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	85.7	U	85.7	170	ug/Kg
120-83-2	2,4-Dichlorophenol	75.4	U	75.4	170	ug/Kg
91-20-3	Naphthalene	82.5	U	82.5	170	ug/Kg
106-47-8	4-Chloroaniline	82.5	U	82.5	170	ug/Kg
87-68-3	Hexachlorobutadiene	83.2	U	83.2	170	ug/Kg
105-60-2	Caprolactam	86.7	U	86.7	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	77.4	U	77.4	170	ug/Kg
91-57-6	2-Methylnaphthalene	82.4	U	82.4	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	U	160	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	71.4	U	71.4	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	74.0	U	74.0	170	ug/Kg
92-52-4	1,1-Biphenyl	87.3	U	87.3	170	ug/Kg
91-58-7	2-Chloronaphthalene	83.2	U	83.2	170	ug/Kg
88-74-4	2-Nitroaniline	94.9	U	94.9	170	ug/Kg
131-11-3	Dimethylphthalate	81.6	U	81.6	170	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB165705BL	SDG No.:	P5299
Lab Sample ID:	PB165705BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140943.D	1	12/18/24 08:56	12/20/24 11:41	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	86.4	U	86.4	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	83.1	U	83.1	170	ug/Kg
99-09-2	3-Nitroaniline	89.1	U	89.1	170	ug/Kg
83-32-9	Acenaphthene	81.0	U	81.0	170	ug/Kg
51-28-5	2,4-Dinitrophenol	240	U	240	330	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	330	ug/Kg
132-64-9	Dibenzofuran	84.3	U	84.3	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	86.1	U	86.1	170	ug/Kg
84-66-2	Diethylphthalate	80.0	U	80.0	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	85.5	U	85.5	170	ug/Kg
86-73-7	Fluorene	85.4	U	85.4	170	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	81.5	U	81.5	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	78.8	U	78.8	170	ug/Kg
118-74-1	Hexachlorobenzene	84.9	U	84.9	170	ug/Kg
1912-24-9	Atrazine	91.3	U	91.3	170	ug/Kg
87-86-5	Pentachlorophenol	77.2	U	77.2	330	ug/Kg
85-01-8	Phenanthrene	83.9	U	83.9	170	ug/Kg
120-12-7	Anthracene	84.3	U	84.3	170	ug/Kg
86-74-8	Carbazole	80.2	U	80.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	84.2	U	84.2	170	ug/Kg
206-44-0	Fluoranthene	81.6	U	81.6	170	ug/Kg
129-00-0	Pyrene	82.9	U	82.9	170	ug/Kg
85-68-7	Butylbenzylphthalate	96.7	U	96.7	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	98.5	U	98.5	330	ug/Kg
56-55-3	Benzo(a)anthracene	80.6	U	80.6	170	ug/Kg
218-01-9	Chrysene	79.4	U	79.4	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	90.9	U	90.9	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	81.0	U	81.0	170	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB165705BL	SDG No.:	P5299
Lab Sample ID:	PB165705BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140943.D	1	12/18/24 08:56	12/20/24 11:41	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	82.5	U	82.5	170	ug/Kg
50-32-8	Benzo(a)pyrene	92.9	U	92.9	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78.0	U	78.0	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.1	U	81.1	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80.0	U	80.0	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.7	U	86.7	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	74.7	U	74.7	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	150		30 (18) - 130 (112)	100%	SPK: 150
13127-88-3	Phenol-d6	153		30 (15) - 130 (107)	102%	SPK: 150
4165-60-0	Nitrobenzene-d5	107		30 (18) - 130 (107)	107%	SPK: 100
321-60-8	2-Fluorobiphenyl	103		30 (20) - 130 (109)	103%	SPK: 100
118-79-6	2,4,6-Tribromophenol	146		30 (10) - 130 (116)	97%	SPK: 150
1718-51-0	Terphenyl-d14	110		30 (10) - 130 (105)	110%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	64900	6.845			
1146-65-2	Naphthalene-d8	229000	8.128			
15067-26-2	Acenaphthene-d10	137000	9.886			
1517-22-2	Phenanthrene-d10	270000	11.375			
1719-03-5	Chrysene-d12	175000	14.027			
1520-96-3	Perylene-d12	118000	15.521			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	180	J		2.23	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB165705BL	SDG No.:	P5299
Lab Sample ID:	PB165705BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140943.D	1	12/18/24 08:56	12/20/24 11:41	PB165705

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_F\Data\BF122024\
Data File : BF140943.D
Acq On : 20 Dec 2024 11:41
Operator : RC/JU
Sample : PB165705BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB165705BL

Quant Time: Dec 20 12:01:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	64872	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	228592	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	136709	20.000	ng	0.00
64) Phenanthrene-d10	11.375	188	270487	20.000	ng	0.00
76) Chrysene-d12	14.027	240	174504	20.000	ng	0.00
86) Perylene-d12	15.521	264	118300	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	590265	149.785	ng	0.02
7) Phenol-d6	6.504	99	799531	153.180	ng	0.00
23) Nitrobenzene-d5	7.416	82	487007	106.589	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	235540	145.676	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	1024156	102.997	ng	0.00
79) Terphenyl-d14	12.963	244	1215200	109.809	ng	0.00

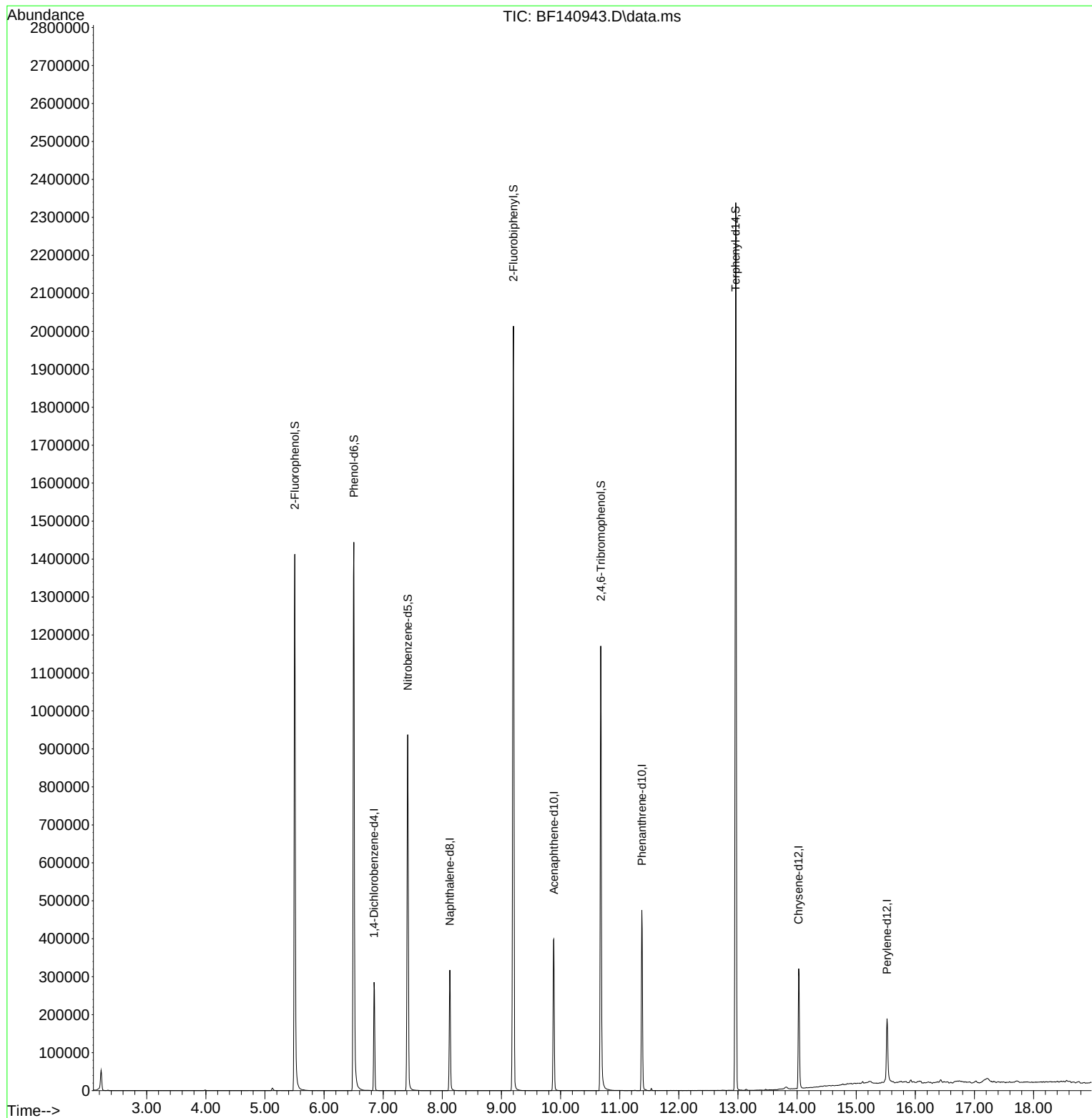
Target Compounds	Qvalue

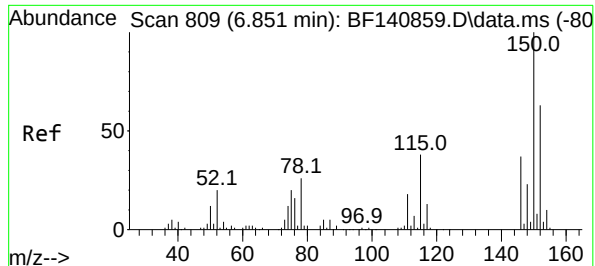
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
Data File : BF140943.D
Acq On : 20 Dec 2024 11:41
Operator : RC/JU
Sample : PB165705BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB165705BL

Quant Time: Dec 20 12:01:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

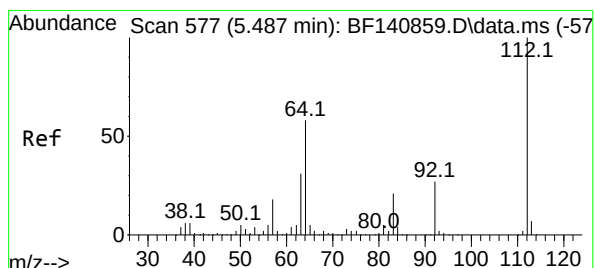
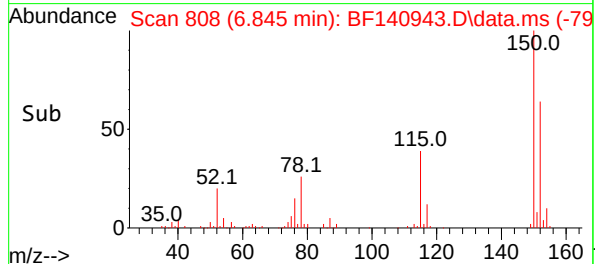
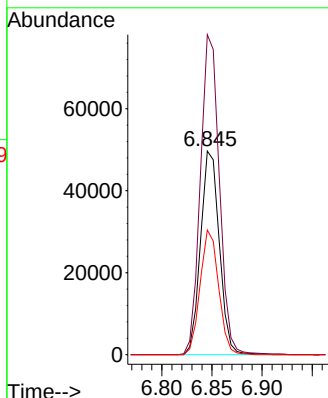
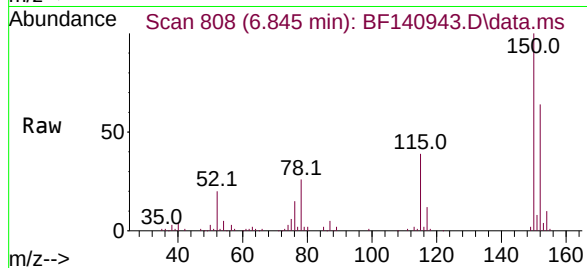




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF140943.D
Acq: 20 Dec 2024 11:41

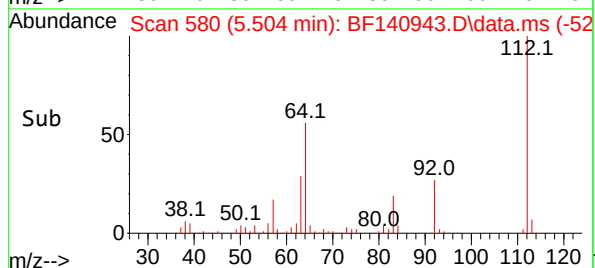
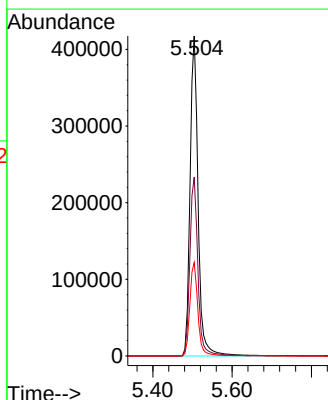
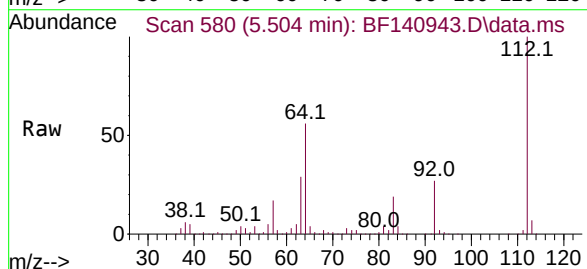
Instrument :
BNA_F
ClientSampleId :
PB165705BL

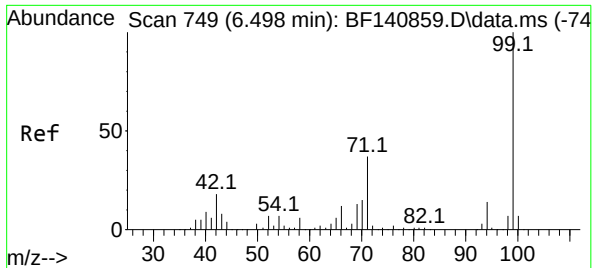
Tgt Ion:152 Resp: 64872
Ion Ratio Lower Upper
152 100
150 157.1 127.9 191.9
115 61.2 48.0 72.0



#5
2-Fluorophenol
Concen: 149.785 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.018 min
Lab File: BF140943.D
Acq: 20 Dec 2024 11:41

Tgt Ion:112 Resp: 590265
Ion Ratio Lower Upper
112 100
64 55.9 46.1 69.1
63 29.2 24.9 37.3

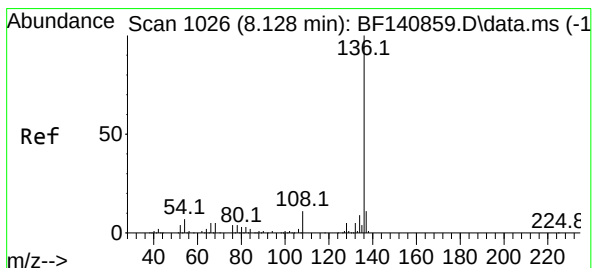
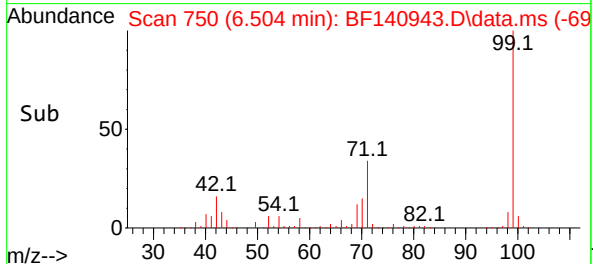
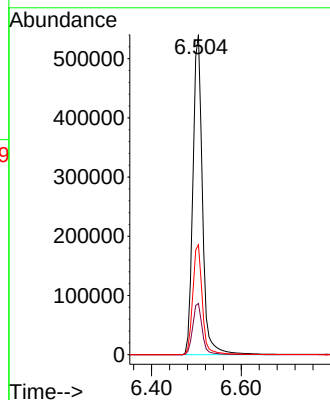
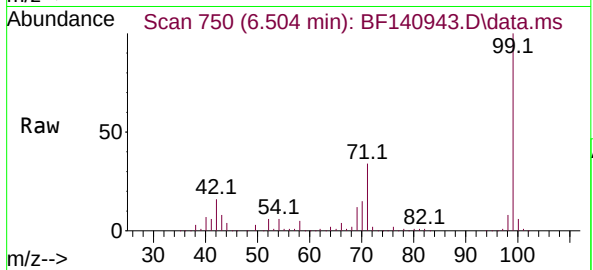




#7
Phenol-d6
Concen: 153.180 ng
RT: 6.504 min Scan# 749
Delta R.T. 0.006 min
Lab File: BF140943.D
Acq: 20 Dec 2024 11:41

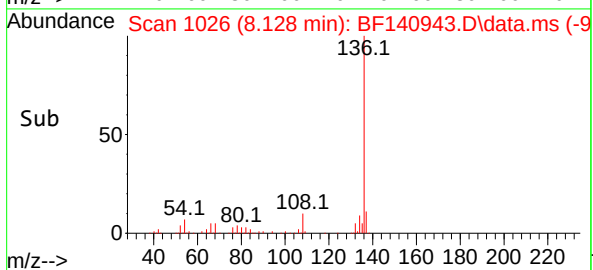
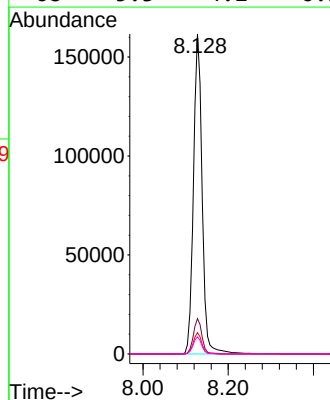
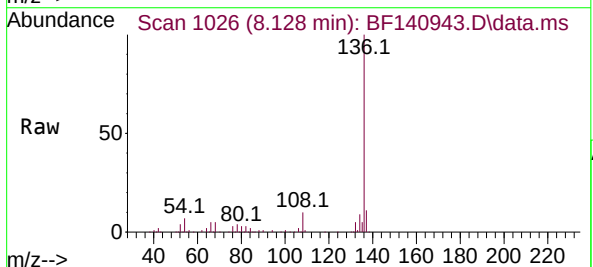
Instrument :
BNA_F
ClientSampleId :
PB165705BL

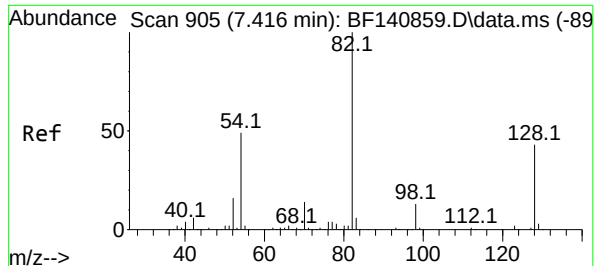
Tgt Ion: 99 Resp: 799531
Ion Ratio Lower Upper
99 100
42 16.0 14.3 21.5
71 34.4 29.9 44.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1026
Delta R.T. -0.000 min
Lab File: BF140943.D
Acq: 20 Dec 2024 11:41

Tgt Ion: 136 Resp: 228592
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.4
54 6.6 5.6 8.4
68 5.3 4.2 6.2





#23

Nitrobenzene-d5

Concen: 106.589 ng

RT: 7.416 min Scan# 905

Delta R.T. -0.000 min

Lab File: BF140943.D

Acq: 20 Dec 2024 11:41

Instrument :

BNA_F

ClientSampleId :

PB165705BL

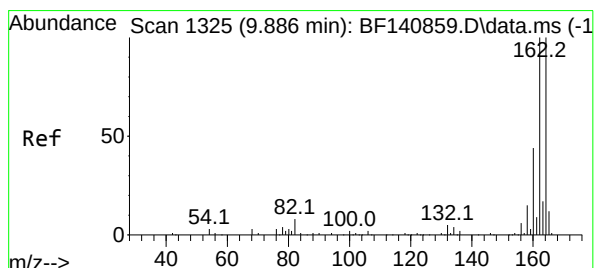
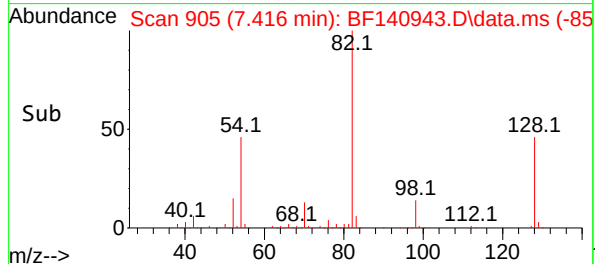
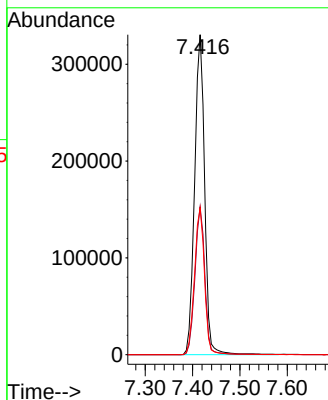
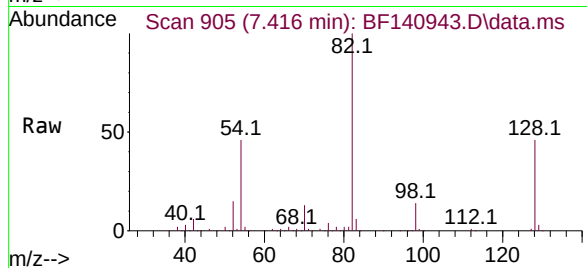
Tgt Ion: 82 Resp: 487007

Ion Ratio Lower Upper

82 100

128 46.2 34.4 51.6

54 45.9 38.8 58.2



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.886 min Scan# 1325

Delta R.T. -0.000 min

Lab File: BF140943.D

Acq: 20 Dec 2024 11:41

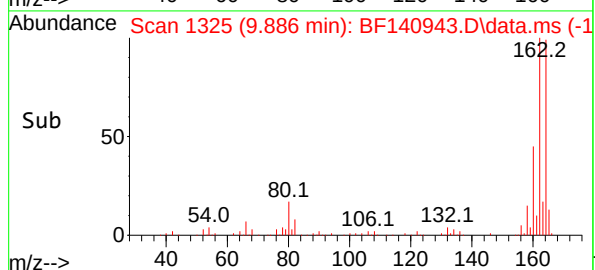
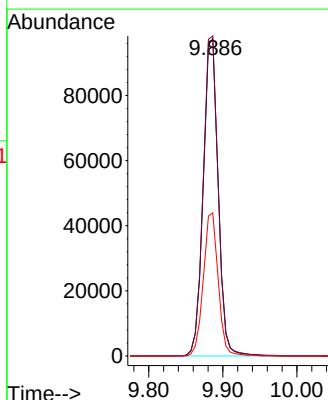
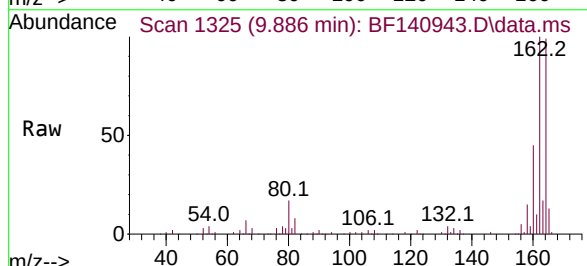
Tgt Ion:164 Resp: 136709

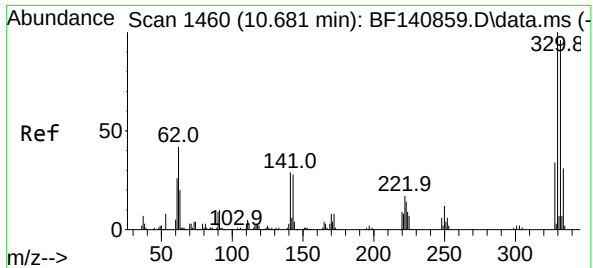
Ion Ratio Lower Upper

164 100

162 100.9 79.9 119.9

160 45.1 35.2 52.8

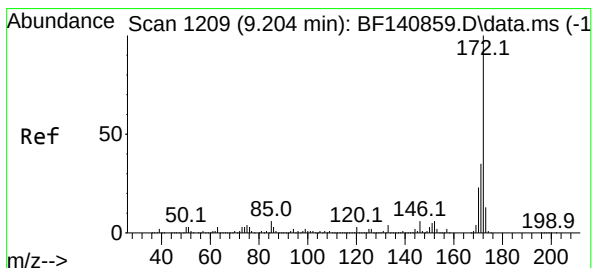
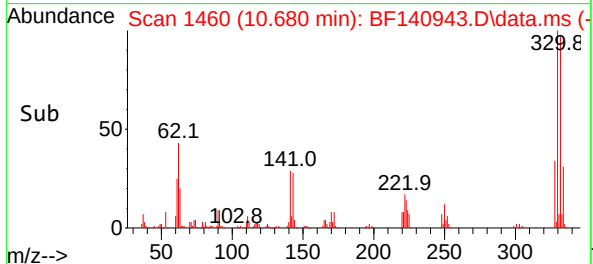
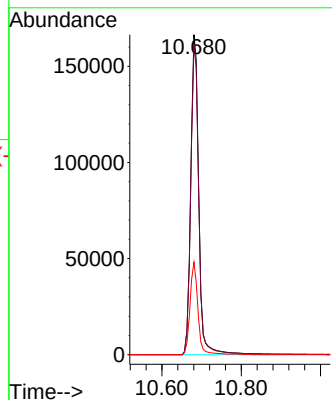
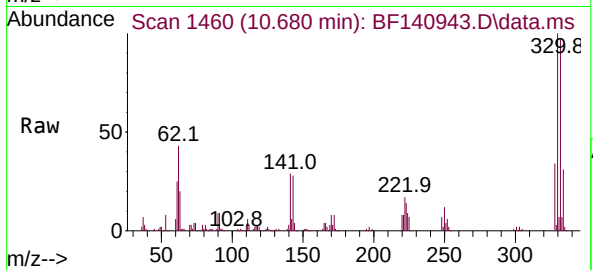




#42
2,4,6-Tribromophenol
Concen: 145.676 ng
RT: 10.680 min Scan# 1460
Delta R.T. -0.000 min
Lab File: BF140943.D
Acq: 20 Dec 2024 11:41

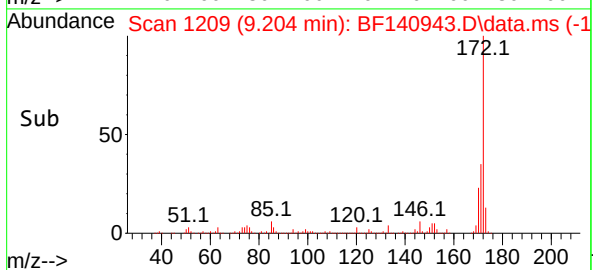
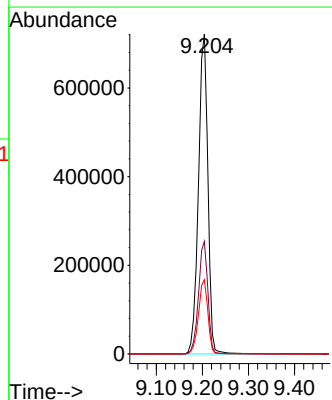
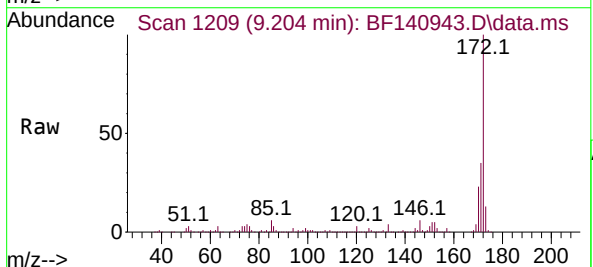
Instrument :
BNA_F
ClientSampleId :
PB165705BL

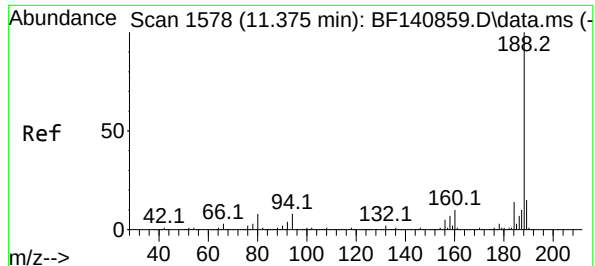
Tgt Ion:330 Resp: 235540
Ion Ratio Lower Upper
330 100
332 97.2 76.2 114.4
141 28.3 24.9 37.3



#45
2-Fluorobiphenyl
Concen: 102.997 ng
RT: 9.204 min Scan# 1209
Delta R.T. -0.000 min
Lab File: BF140943.D
Acq: 20 Dec 2024 11:41

Tgt Ion:172 Resp: 1024156
Ion Ratio Lower Upper
172 100
171 35.1 28.4 42.6
170 23.2 18.6 28.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.375 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF140943.D

Acq: 20 Dec 2024 11:41

Instrument :

BNA_F

ClientSampleId :

PB165705BL

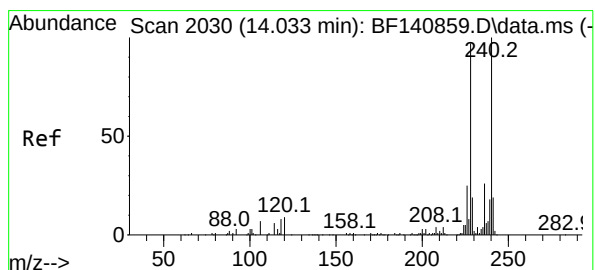
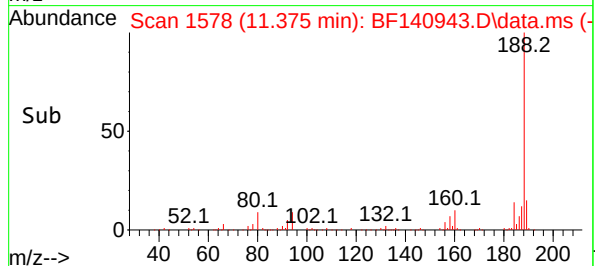
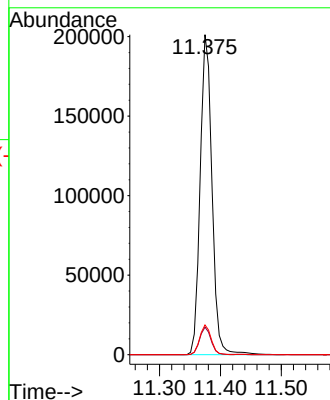
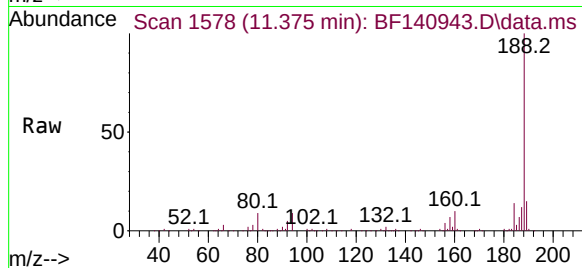
Tgt Ion:188 Resp: 270487

Ion Ratio Lower Upper

188 100

94 8.6 6.4 9.6

80 9.3 6.8 10.2



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.027 min Scan# 2029

Delta R.T. -0.006 min

Lab File: BF140943.D

Acq: 20 Dec 2024 11:41

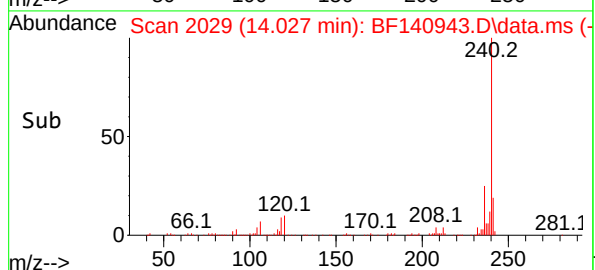
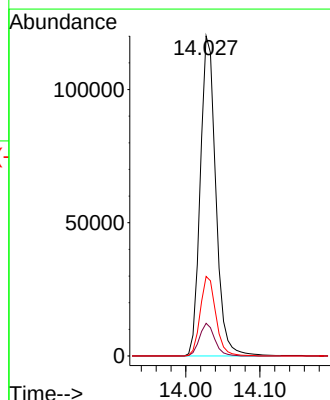
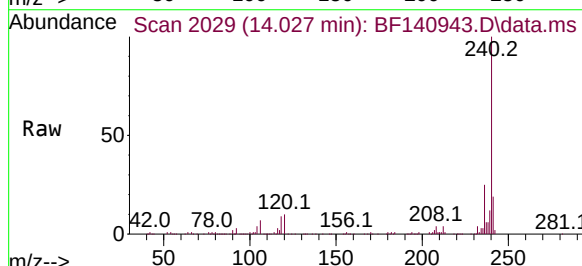
Tgt Ion:240 Resp: 174504

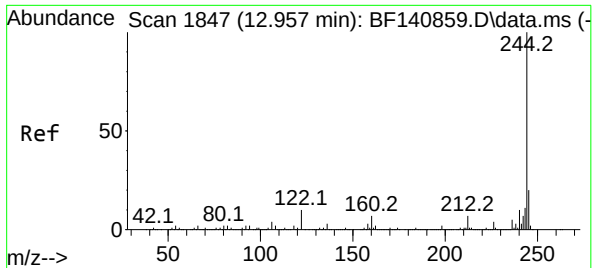
Ion Ratio Lower Upper

240 100

120 10.2 7.6 11.4

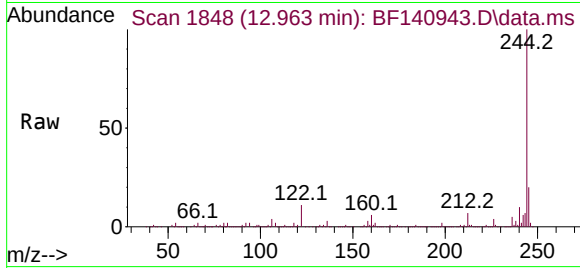
236 24.9 20.5 30.7



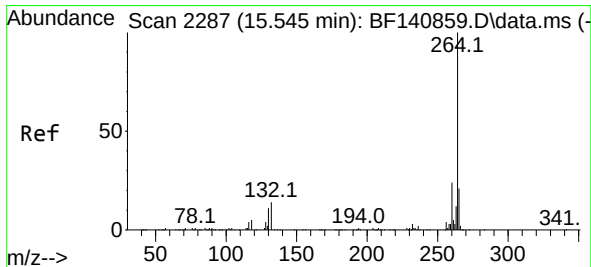
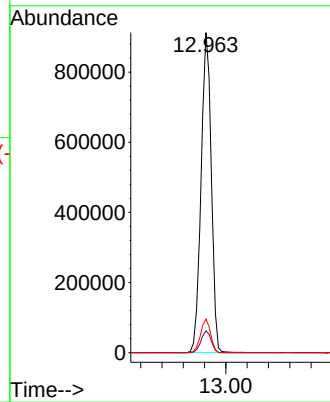
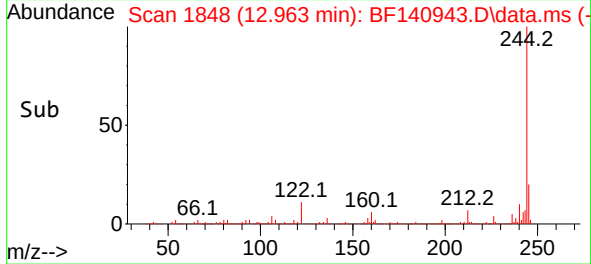


#79
Terphenyl-d14
Concen: 109.809 ng
RT: 12.963 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF140943.D
Acq: 20 Dec 2024 11:41

Instrument :
BNA_F
ClientSampleId :
PB165705BL

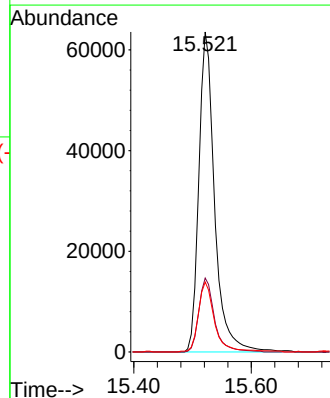
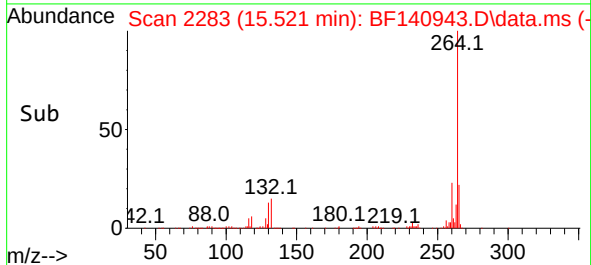
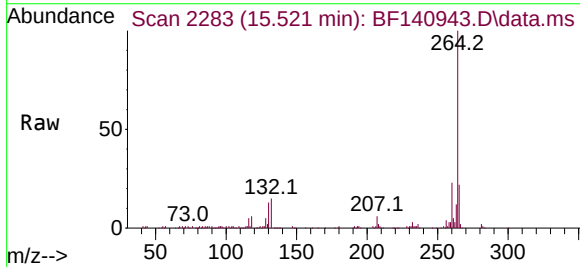


Tgt Ion:244 Resp: 1215200
Ion Ratio Lower Upper
244 100
212 6.8 5.6 8.4
122 10.5 8.2 12.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2283
Delta R.T. -0.024 min
Lab File: BF140943.D
Acq: 20 Dec 2024 11:41

Tgt Ion:264 Resp: 118300
Ion Ratio Lower Upper
264 100
260 23.1 19.1 28.7
265 21.9 17.0 25.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
Data File : BF140943.D
Acq On : 20 Dec 2024 11:41
Operator : RC/JU
Sample : PB165705BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB165705BL

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF140943.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.228	9	23	30	rVB	52689	96701	3.14%	0.609%
2	5.504	574	580	604	rBV	1412740	1988158	64.61%	12.512%
3	6.504	744	750	781	rBV	1444394	2147294	69.78%	13.514%
4	6.845	803	808	819	rVB	285048	365709	11.88%	2.302%
5	7.416	898	905	936	rBV	937621	1376428	44.73%	8.662%
6	8.128	1020	1026	1050	rBV	317456	439659	14.29%	2.767%
7	9.204	1201	1209	1228	rBV	2013642	2852691	92.70%	17.953%
8	9.886	1318	1325	1341	rVB	399154	557097	18.10%	3.506%
9	10.680	1454	1460	1498	rBV	1171097	1621374	52.69%	10.204%
10	11.375	1573	1578	1587	rBV	475329	627315	20.39%	3.948%
11	12.963	1842	1848	1853	rBV	2337711	3077256	100.00%	19.366%
12	14.027	2024	2029	2043	rBV	316220	455127	14.79%	2.864%
13	15.521	2278	2283	2294	rVB	164402	284968	9.26%	1.793%

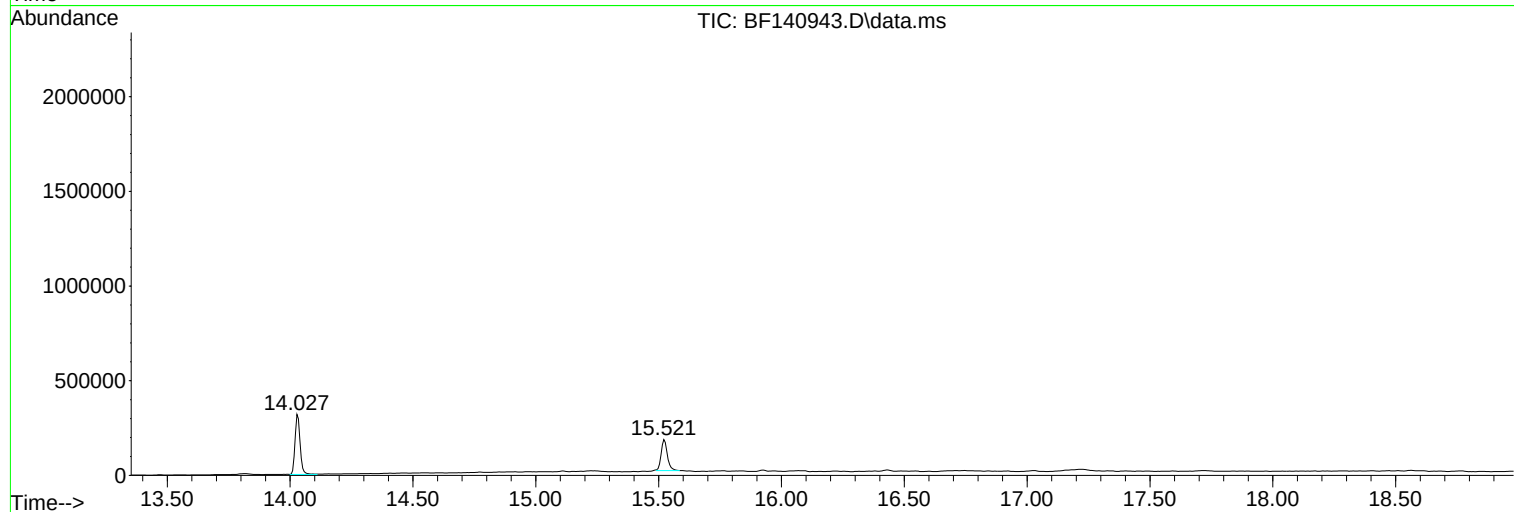
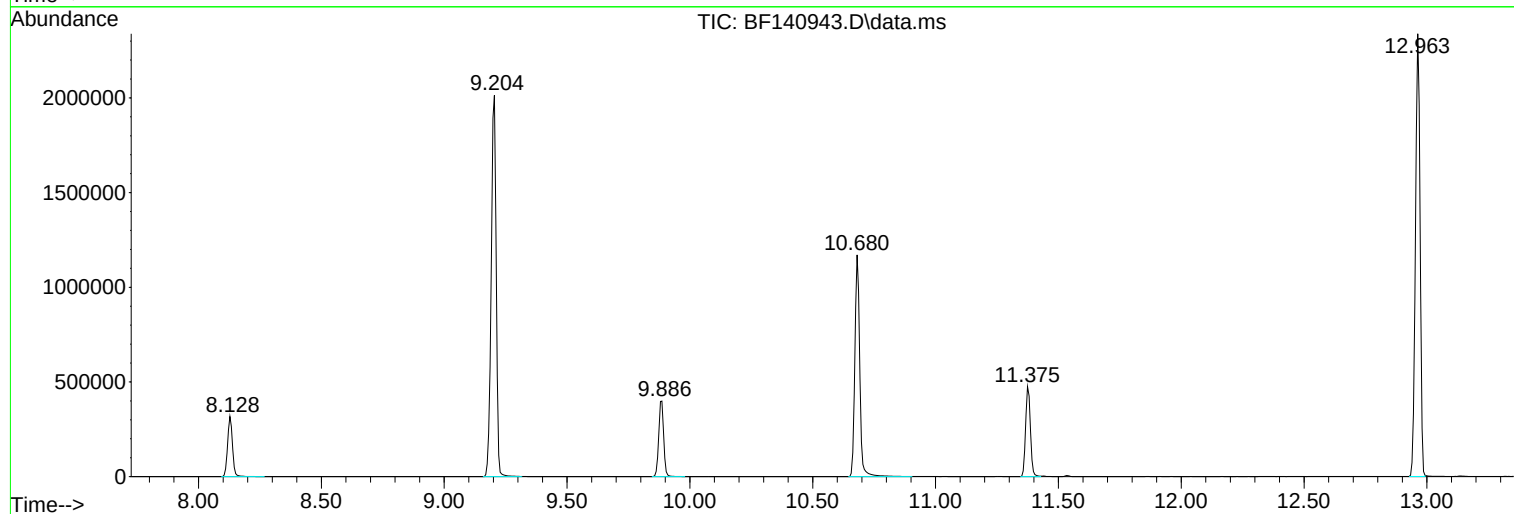
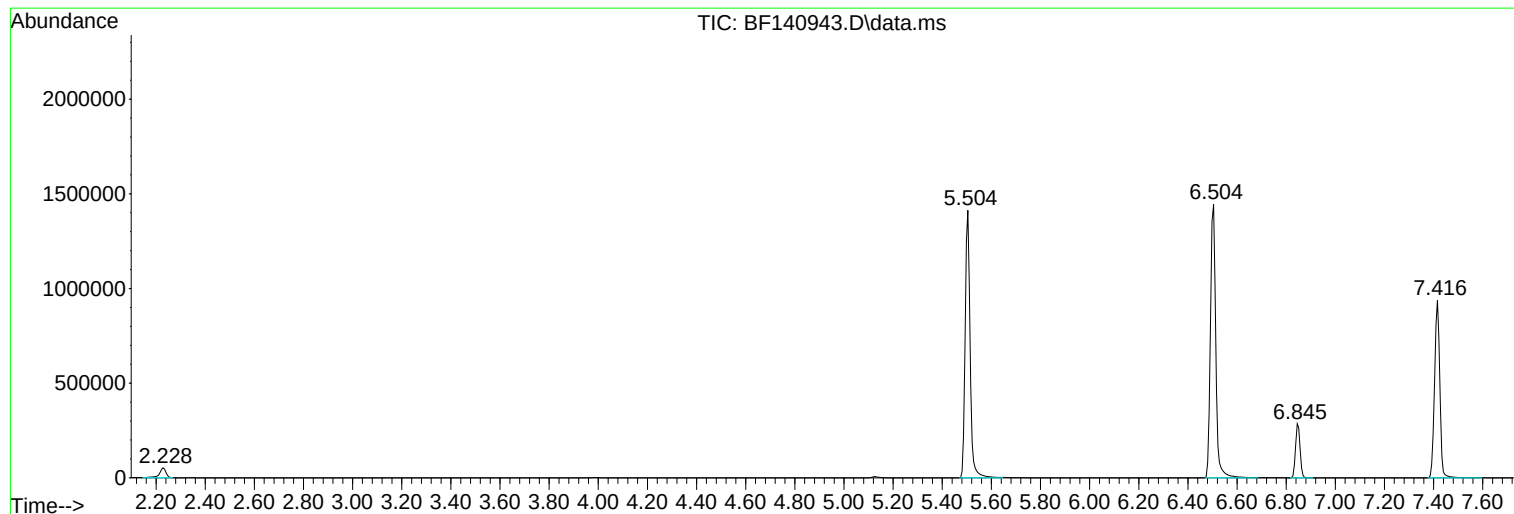
Sum of corrected areas: 15889777

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
Data File : BF140943.D
Acq On : 20 Dec 2024 11:41
Operator : RC/JU
Sample : PB165705BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB165705BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
Data File : BF140943.D
Acq On : 20 Dec 2024 11:41
Operator : RC/JU
Sample : PB165705BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB165705BL

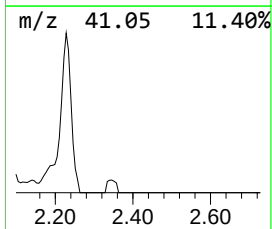
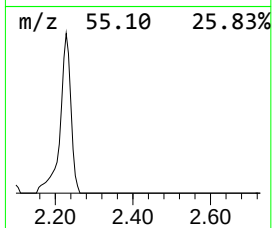
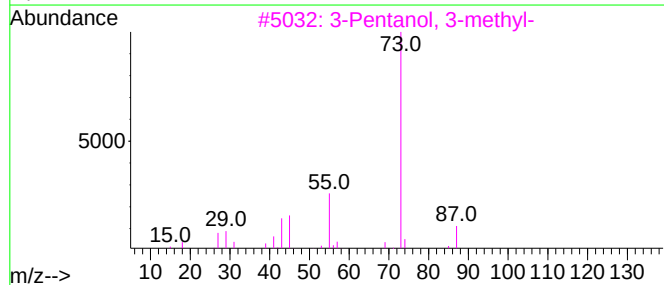
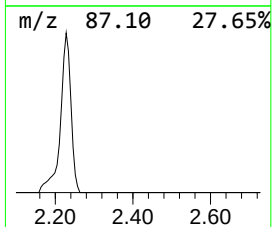
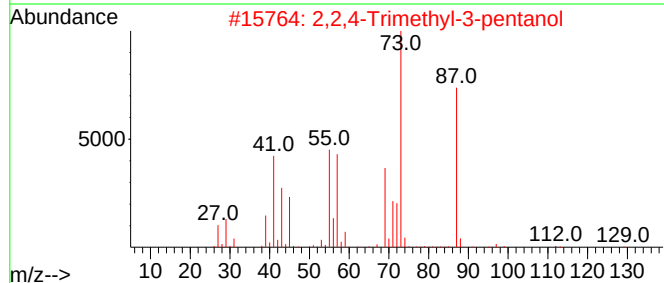
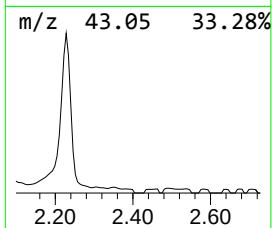
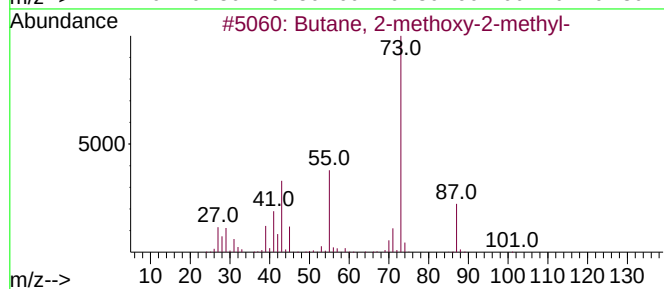
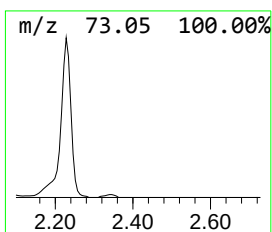
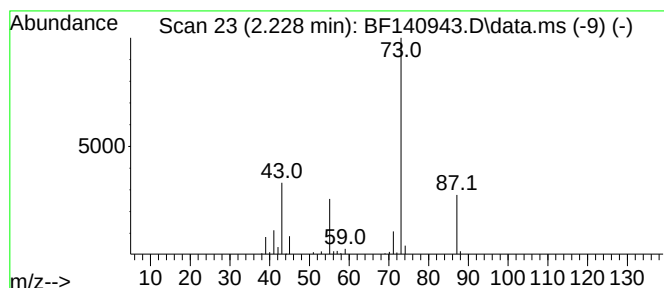
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.228	5.29 ng	96701	1,4-Dichlorobenzene-d4	6.845

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3			3-Pentanol, 3-methyl-	102	C6H14O	000077-74-7	25
4			Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
5			N-Ethylformamide	73	C3H7NO	000627-45-2	9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
Data File : BF140943.D
Acq On : 20 Dec 2024 11:41
Operator : RC/JU
Sample : PB165705BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB165705BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.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
Butane, 2-metho...	2.228	5.3	ng	96701	1	6.845	365709	20.0

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB165705BS	SDG No.:	P5299
Lab Sample ID:	PB165705BS	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
BF140944.D	1	12/18/24 08:56	12/20/24 12:07	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	540		180	330	ug/Kg
108-95-2	Phenol	1600		82.9	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1700		83.7	170	ug/Kg
95-57-8	2-Chlorophenol	1800		83.5	170	ug/Kg
95-48-7	2-Methylphenol	1600		80.6	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1600		90.9	170	ug/Kg
98-86-2	Acetophenone	1800		86.9	170	ug/Kg
65794-96-9	3+4-Methylphenols	1700		79.8	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1700		40.3	80.0	ug/Kg
67-72-1	Hexachloroethane	1400		83.0	170	ug/Kg
98-95-3	Nitrobenzene	1500		90.8	170	ug/Kg
78-59-1	Isophorone	1700		84.6	170	ug/Kg
88-75-5	2-Nitrophenol	1800		94.5	170	ug/Kg
105-67-9	2,4-Dimethylphenol	2100		93.2	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1700		85.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1800		75.5	170	ug/Kg
91-20-3	Naphthalene	1600		82.6	170	ug/Kg
106-47-8	4-Chloroaniline	1200		82.6	170	ug/Kg
87-68-3	Hexachlorobutadiene	1600		83.3	170	ug/Kg
105-60-2	Caprolactam	1700		86.8	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1500		77.5	170	ug/Kg
91-57-6	2-Methylnaphthalene	1700		82.5	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	2300		160	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1700		71.4	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1600		74.0	170	ug/Kg
92-52-4	1,1-Biphenyl	1600		87.4	170	ug/Kg
91-58-7	2-Chloronaphthalene	1600		83.3	170	ug/Kg
88-74-4	2-Nitroaniline	1600		95.0	170	ug/Kg
131-11-3	Dimethylphthalate	1700		81.7	170	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB165705BS	SDG No.:	P5299
Lab Sample ID:	PB165705BS	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
BF140944.D	1	12/18/24 08:56	12/20/24 12:07	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1800		86.5	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1600		83.2	170	ug/Kg
99-09-2	3-Nitroaniline	1100		89.2	170	ug/Kg
83-32-9	Acenaphthene	1800		81.1	170	ug/Kg
51-28-5	2,4-Dinitrophenol	2500		240	330	ug/Kg
100-02-7	4-Nitrophenol	2400		120	330	ug/Kg
132-64-9	Dibenzofuran	1700		84.4	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1600		86.2	170	ug/Kg
84-66-2	Diethylphthalate	1700		80.1	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1600		85.6	170	ug/Kg
86-73-7	Fluorene	1500		85.5	170	ug/Kg
100-01-6	4-Nitroaniline	1400		110	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1600		120	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1900		81.6	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1800		78.9	170	ug/Kg
118-74-1	Hexachlorobenzene	1800		85.0	170	ug/Kg
1912-24-9	Atrazine	2200		91.4	170	ug/Kg
87-86-5	Pentachlorophenol	2900	E	77.3	330	ug/Kg
85-01-8	Phenanthrene	1900		84.0	170	ug/Kg
120-12-7	Anthracene	2000		84.4	170	ug/Kg
86-74-8	Carbazole	1900		80.3	170	ug/Kg
84-74-2	Di-n-butylphthalate	1800		84.3	170	ug/Kg
206-44-0	Fluoranthene	1900		81.7	170	ug/Kg
129-00-0	Pyrene	1900		83.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	2000		96.8	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1100		98.6	330	ug/Kg
56-55-3	Benzo(a)anthracene	1800		80.7	170	ug/Kg
218-01-9	Chrysene	1800		79.5	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1800		91.0	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1600		110	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1800		81.1	170	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB165705BS	SDG No.:	P5299
Lab Sample ID:	PB165705BS	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
BF140944.D	1	12/18/24 08:56	12/20/24 12:07	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1800		82.6	170	ug/Kg
50-32-8	Benzo(a)pyrene	1900		93.0	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2200		78.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	2100		81.2	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	2100		80.1	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1800		86.8	170	ug/Kg
123-91-1	1,4-Dioxane	1100		110	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1800		74.7	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	143		30 (18) - 130 (112)	96%	SPK: 150
13127-88-3	Phenol-d6	136		30 (15) - 130 (107)	91%	SPK: 150
4165-60-0	Nitrobenzene-d5	91.6		30 (18) - 130 (107)	92%	SPK: 100
321-60-8	2-Fluorobiphenyl	105		30 (20) - 130 (109)	105%	SPK: 100
118-79-6	2,4,6-Tribromophenol	135		30 (10) - 130 (116)	90%	SPK: 150
1718-51-0	Terphenyl-d14	121		30 (10) - 130 (105)	121%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	71200	6.851			
1146-65-2	Naphthalene-d8	256000	8.128			
15067-26-2	Acenaphthene-d10	141000	9.886			
1517-22-2	Phenanthrene-d10	238000	11.38			
1719-03-5	Chrysene-d12	149000	14.033			
1520-96-3	Perylene-d12	114000	15.521			

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_F\Data\BF122024\
 Data File : BF140944.D
 Acq On : 20 Dec 2024 12:07
 Operator : RC/JU
 Sample : PB165705BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB165705BS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
 Supervised By :mohammad ahmed 12/24/2024

Quant Time: Dec 20 12:32:36 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 16 16:59:50 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	71247	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	255665	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	141292	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	237962	20.000	ng	0.00
76) Chrysene-d12	14.033	240	149220	20.000	ng	0.00
86) Perylene-d12	15.521	264	113763	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	620574	143.386	ng	0.02
7) Phenol-d6	6.510	99	780279	136.115	ng	0.01
23) Nitrobenzene-d5	7.416	82	468127	91.608	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	225262	134.800	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	1081886	105.274	ng	0.00
79) Terphenyl-d14	12.963	244	1140526	120.524	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.746	88	61392	32.932	ng	99
3) Pyridine	3.522	79	164168	38.026	ng	97
4) n-Nitrosodimethylamine	3.475	42	85503	39.286	ng	# 93
6) Aniline	6.522	93	200558	40.919	ng	# 82
8) 2-Chlorophenol	6.645	128	251463	53.280	ng	98
9) Benzaldehyde	6.410	77	51666	16.266	ng	98
10) Phenol	6.522	94	290791	48.944	ng	96
11) bis(2-Chloroethyl)ether	6.586	93	227090	51.253	ng	98
12) 1,3-Dichlorobenzene	6.786	146	267093	49.664	ng	97
13) 1,4-Dichlorobenzene	6.869	146	268358	49.158	ng	99
14) 1,2-Dichlorobenzene	7.016	146	244910	47.549	ng	99
15) Benzyl Alcohol	7.004	79	202352	49.369	ng	94
16) 2,2'-oxybis(1-Chloropr...	7.116	45	244867	46.913	ng	94
17) 2-Methylphenol	7.122	107	180851	47.995	ng	99
18) Hexachloroethane	7.351	117	87121	42.869	ng	99
19) n-Nitroso-di-n-propyla...	7.263	70	172630	50.203	ng	98
20) 3+4-Methylphenols	7.275	107	254983	51.031	ng	# 84
22) Acetophenone	7.263	105	347847	54.389	ng	94
24) Nitrobenzene	7.439	77	235580	45.000	ng	95
25) Isophorone	7.675	82	424100	49.531	ng	99
26) 2-Nitrophenol	7.751	139	128251	53.191	ng	94
27) 2,4-Dimethylphenol	7.792	122	176373	62.636	ng	99
28) bis(2-Chloroethoxy)met...	7.875	93	265660	49.677	ng	99
29) 2,4-Dichlorophenol	8.004	162	207115	53.277	ng	98
30) 1,2,4-Trichlorobenzene	8.075	180	218640	49.061	ng	98
31) Naphthalene	8.151	128	685399	48.804	ng	99
32) Benzoic acid	7.951	122	85175	31.894	ng	95
33) 4-Chloroaniline	8.210	127	161324	34.586	ng	97
34) Hexachlorobutadiene	8.263	225	140865	46.981	ng	100
35) Caprolactam	8.592	113	57419m	49.612	ng	
36) 4-Chloro-3-methylphenol	8.710	107	201762	46.112	ng	97
37) 2-Methylnaphthalene	8.845	142	464695	50.021	ng	99
38) 1-Methylnaphthalene	8.945	142	438727	47.751	ng	100
40) 1,2,4,5-Tetrachloroben...	9.010	216	234321	53.956	ng	99
41) Hexachlorocyclopentadiene	8.992	237	96370	68.569	ng	99
43) 2,4,6-Trichlorophenol	9.133	196	133695	50.276	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
 Data File : BF140944.D
 Acq On : 20 Dec 2024 12:07
 Operator : RC/JU
 Sample : PB165705BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB165705BS

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
 Supervised By :mohammad ahmed 12/24/2024

Quant Time: Dec 20 12:32:36 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 16 16:59:50 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	143227	49.003	ng	98
46) 1,1'-Biphenyl	9.310	154	552413	49.168	ng	100
47) 2-Chloronaphthalene	9.333	162	417659	48.592	ng	100
48) 2-Nitroaniline	9.439	65	121577	46.835	ng	93
49) Acenaphthylene	9.751	152	681698	53.969	ng	99
50) Dimethylphthalate	9.610	163	496054	49.797	ng	100
51) 2,6-Dinitrotoluene	9.680	165	108898	47.820	ng	97
52) Acenaphthene	9.922	154	430468	53.351	ng	99
53) 3-Nitroaniline	9.857	138	77254	34.184	ng	95
54) 2,4-Dinitrophenol	9.980	184	81264	73.697	ng	90
55) Dibenzofuran	10.092	168	623949	49.905	ng	99
56) 4-Nitrophenol	10.051	139	87740	72.611	ng	94
57) 2,4-Dinitrotoluene	10.092	165	144968	48.383	ng	99
58) Fluorene	10.439	166	477180	46.262	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.227	232	127554	53.557	ng	95
60) Diethylphthalate	10.310	149	534197	51.715	ng	99
61) 4-Chlorophenyl-phenyle...	10.427	204	243755	47.046	ng	95
62) 4-Nitroaniline	10.480	138	101945m	43.167	ng	
63) Azobenzene	10.586	77	431430	44.427	ng	96
65) 4,6-Dinitro-2-methylph...	10.510	198	66725	49.484	ng	96
66) n-Nitrosodiphenylamine	10.551	169	414949	56.716	ng	99
67) 4-Bromophenyl-phenylether	10.916	248	146442	55.009	ng	97
68) Hexachlorobenzene	10.992	284	165233	54.744	ng	98
69) Atrazine	11.080	200	134695	65.919	ng	98
70) Pentachlorophenol	11.198	266	94695	85.812	ng	99
71) Phenanthrene	11.404	178	701422	57.320	ng	99
72) Anthracene	11.457	178	725617	60.212	ng	100
73) Carbazole	11.616	167	673948	57.096	ng	100
74) Di-n-butylphthalate	11.927	149	763567	55.119	ng	100
75) Fluoranthene	12.598	202	786570	55.813	ng	99
77) Benzidine	12.721	184	155983	51.217	ng	100
78) Pyrene	12.827	202	758712	57.177	ng	100
80) Butylbenzylphthalate	13.433	149	297455	60.922	ng	96
81) Benzo(a)anthracene	14.021	228	557901	52.753	ng	99
82) 3,3'-Dichlorobenzidine	13.980	252	102996	32.279	ng	98
83) Chrysene	14.057	228	508492	52.875	ng	99
84) Bis(2-ethylhexyl)phtha...	13.986	149	339592	53.941	ng	100
85) Di-n-octyl phthalate	14.604	149	455909	47.866	ng	98
87) Indeno(1,2,3-cd)pyrene	17.039	276	463336	65.266	ng	100
88) Benzo(b)fluoranthene	15.086	252	417172	52.828	ng	100
89) Benzo(k)fluoranthene	15.109	252	360481	53.216	ng	99
90) Benzo(a)pyrene	15.456	252	359761	58.181	ng	99
91) Dibenzo(a,h)anthracene	17.039	278	377716	64.223	ng	99
92) Benzo(g,h,i)perylene	17.492	276	379421	63.386	ng	98

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

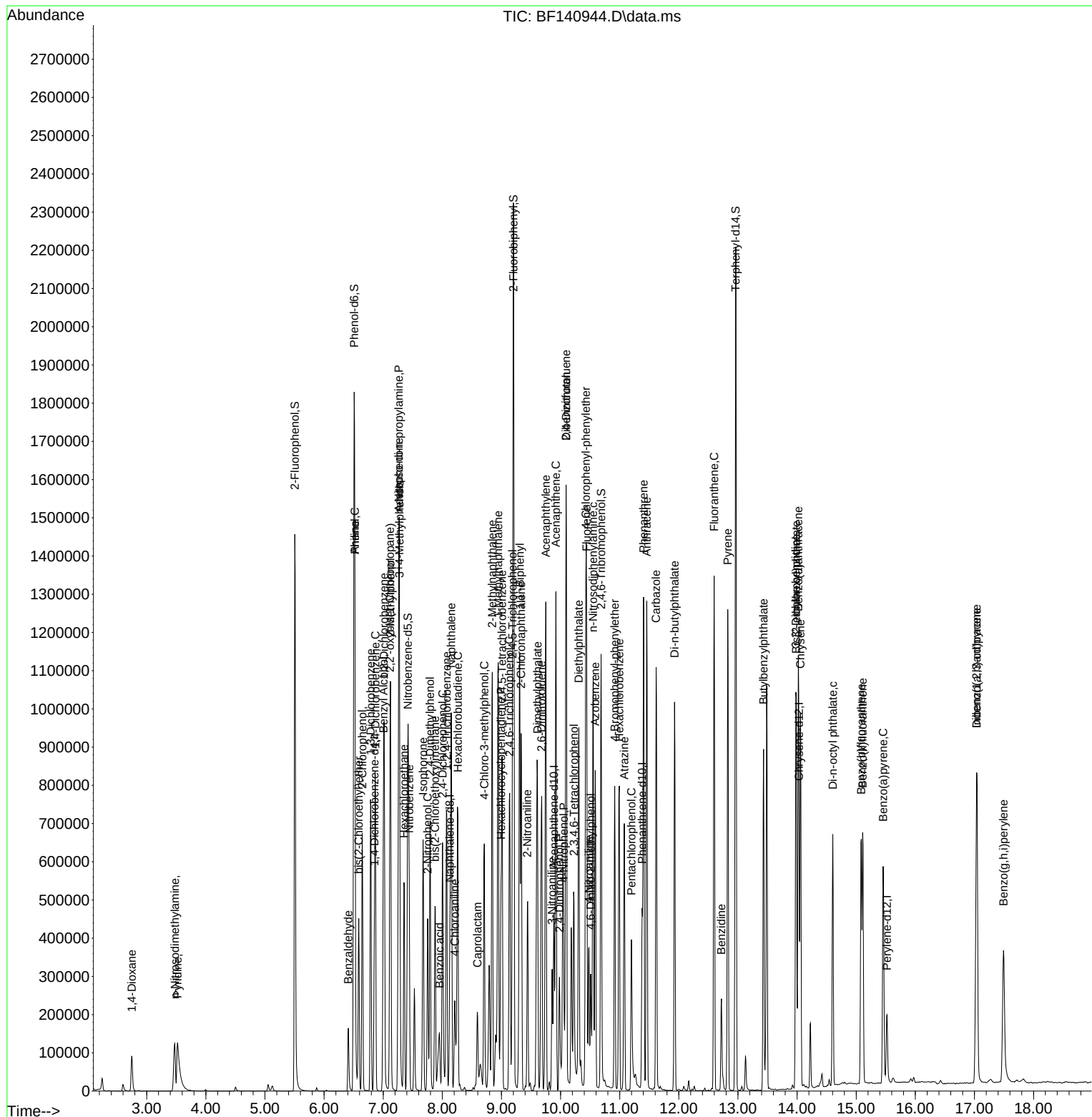
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Data File : BF140944.D  
Acq On    : 20 Dec 2024 12:07  
Operator  : RC/JU  
Sample    : PB165705BS  
Misc      :  
ALS Vial  : 4    Sample Multiplier: 1
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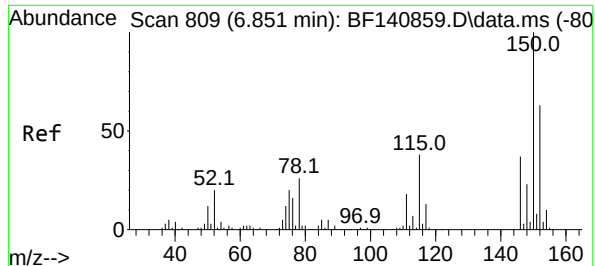
Instrument :
BNA_F
ClientSampleId :
PB165705BS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

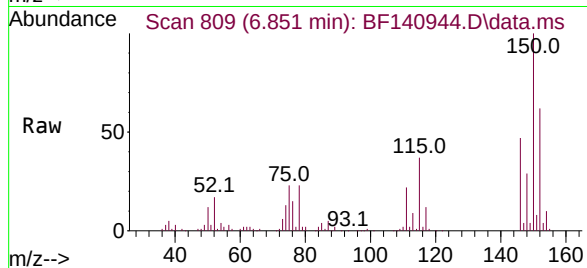
Quant Time: Dec 20 12:32:36 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 809
Delta R.T. 0.000 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

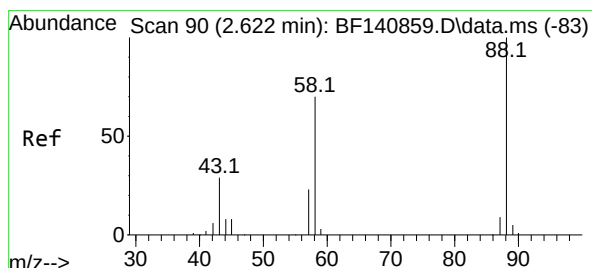
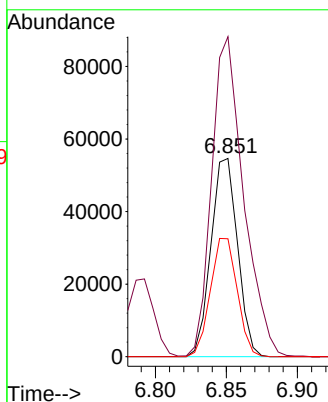
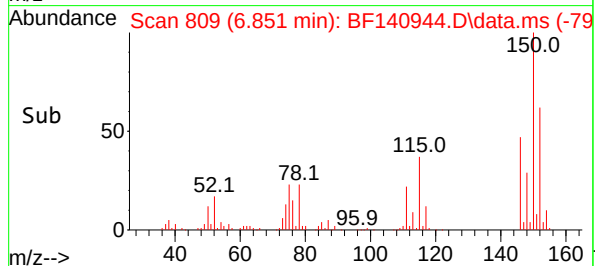
Instrument :
BNA_F
ClientSampleId :
PB165705BS



Tgt Ion:152 Resp: 7124
Ion Ratio Lower Upper
152 100
150 161.4 127.9 191.9
115 59.5 48.0 72.0

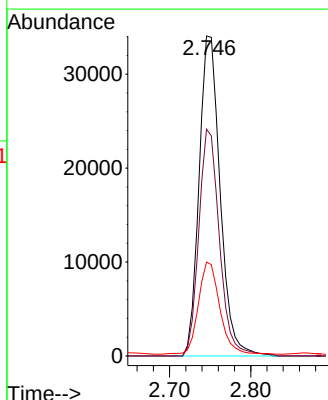
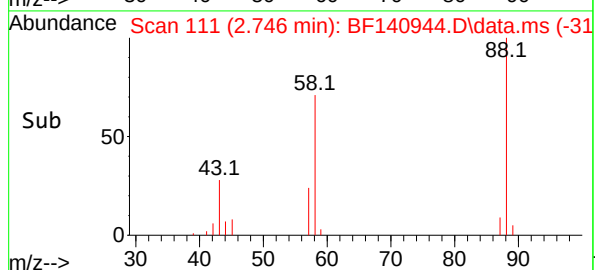
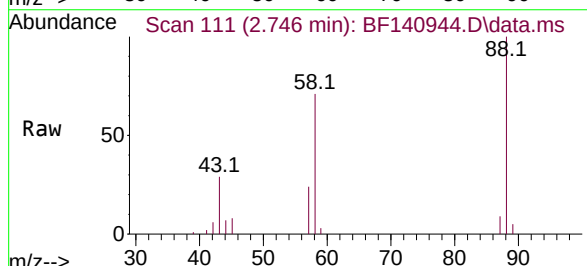
Manual Integrations
APPROVED

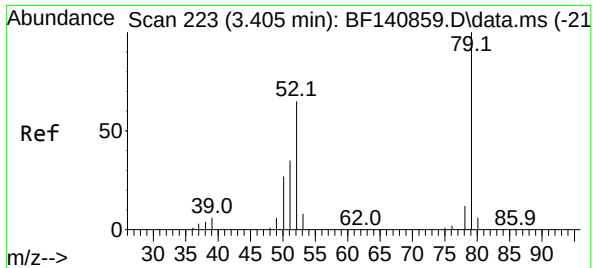
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#2
1,4-Dioxane
Concen: 32.932 ng
RT: 2.746 min Scan# 111
Delta R.T. 0.123 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion: 88 Resp: 61392
Ion Ratio Lower Upper
88 100
58 69.7 55.8 83.8
43 30.8 22.7 34.1





#3

Pyridine

Concen: 38.026 ng

RT: 3.522 min Scan# 243

Delta R.T. 0.117 min

Lab File: BF140944.D

Acq: 20 Dec 2024 12:07

Instrument :

BNA_F

ClientSampleId :

PB165705BS

Tgt Ion: 79 Resp: 16416

Ion Ratio Lower Upper

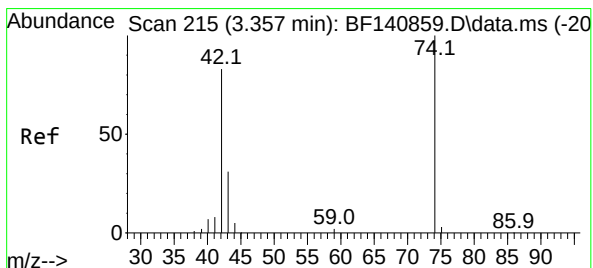
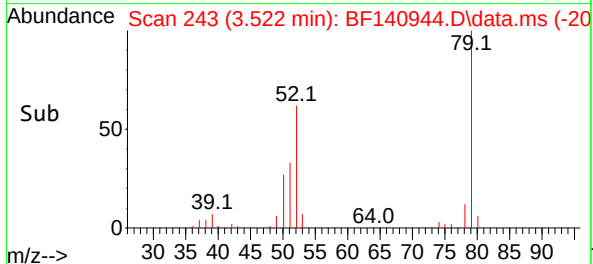
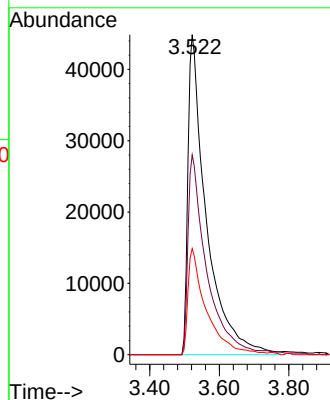
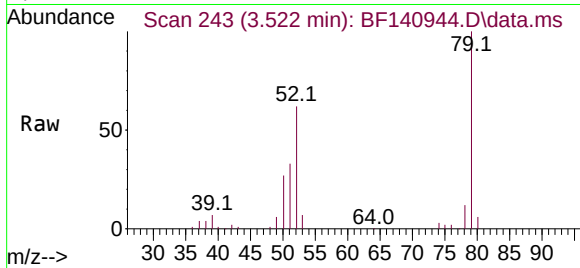
79 100

52 62.4 51.7 77.5

51 33.1 28.2 42.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

#4

n-Nitrosodimethylamine

Concen: 39.286 ng

RT: 3.475 min Scan# 235

Delta R.T. 0.117 min

Lab File: BF140944.D

Acq: 20 Dec 2024 12:07

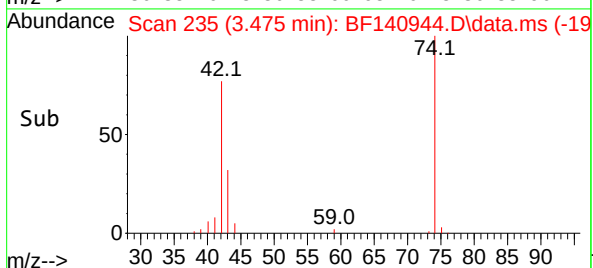
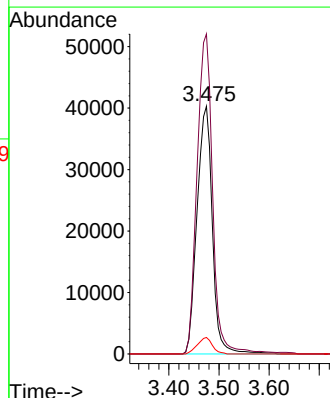
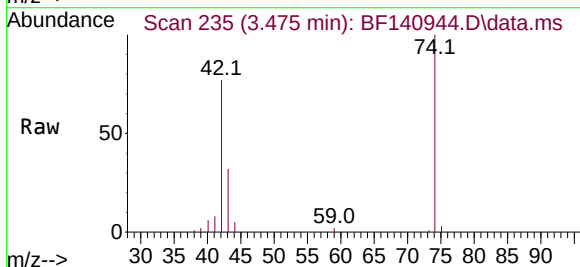
Tgt Ion: 42 Resp: 85503

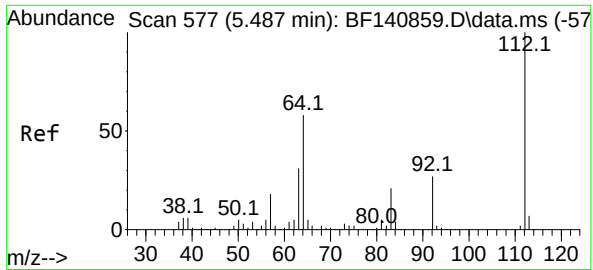
Ion Ratio Lower Upper

42 100

74 129.2 96.9 145.3

44 6.7 4.4 6.6#





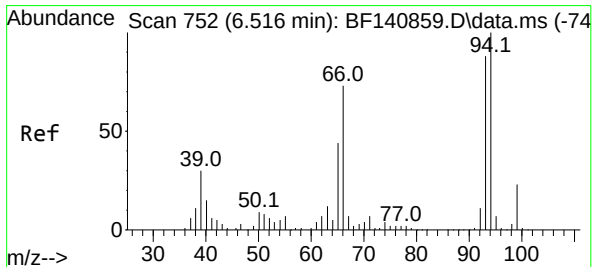
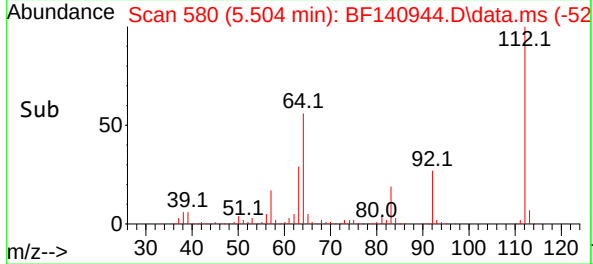
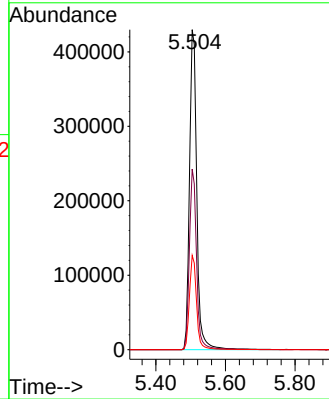
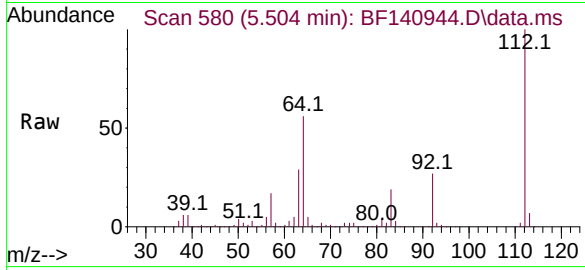
#5
2-Fluorophenol
Concen: 143.386 ng
RT: 5.504 min Scan# 51
Delta R.T. 0.017 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Instrument :
BNA_F
ClientSampleId :
PB165705BS

Tgt Ion:112 Resp: 620574
Ion Ratio Lower Upper
112 100
64 56.5 46.1 69.1
63 29.5 24.9 37.3

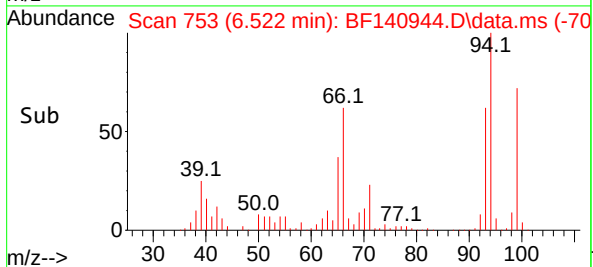
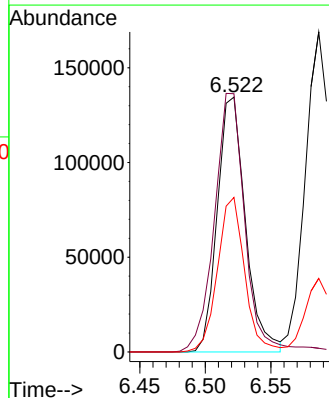
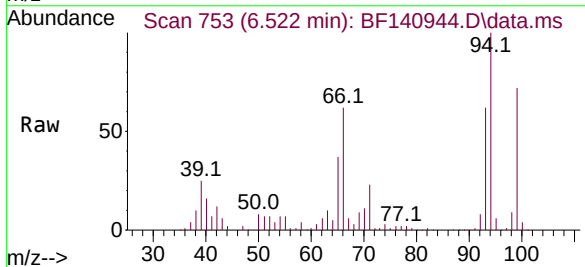
Manual Integrations
APPROVED

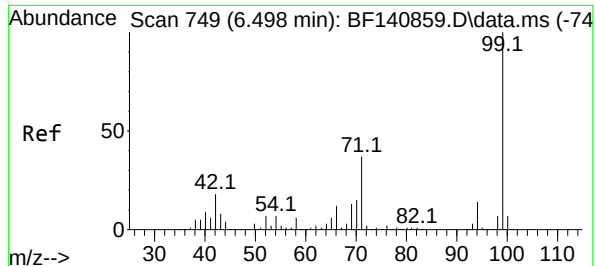
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#6
Aniline
Concen: 40.919 ng
RT: 6.522 min Scan# 753
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

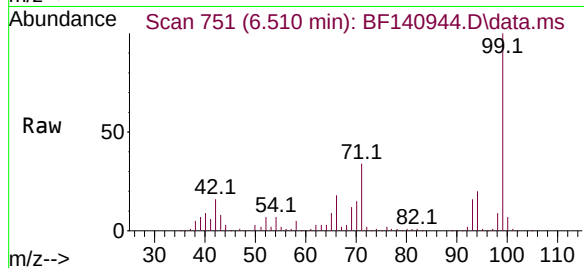
Tgt Ion: 93 Resp: 200558
Ion Ratio Lower Upper
93 100
66 101.3 67.0 100.4#
65 60.6 40.4 60.6#





#7
Phenol-d6
Concen: 136.115 ng
RT: 6.510 min Scan# 749
Delta R.T. 0.012 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

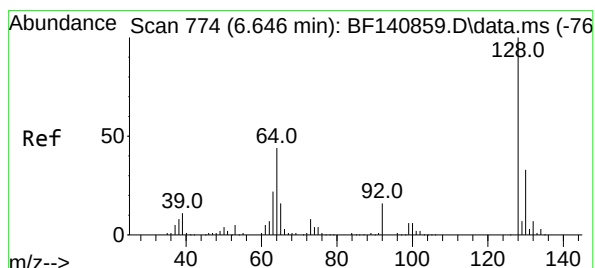
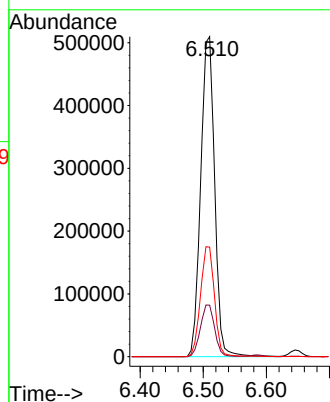
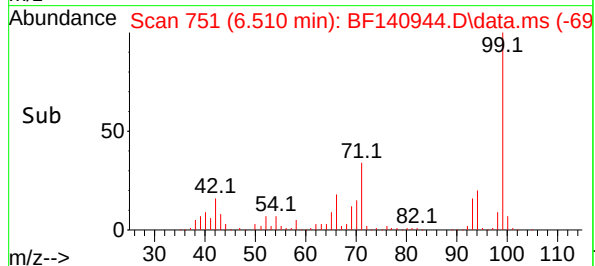
Instrument :
BNA_F
ClientSampleId :
PB165705BS



Tgt Ion: 99 Resp: 780279
Ion Ratio Lower Upper
99 100
42 16.1 14.3 21.5
71 34.3 29.9 44.9

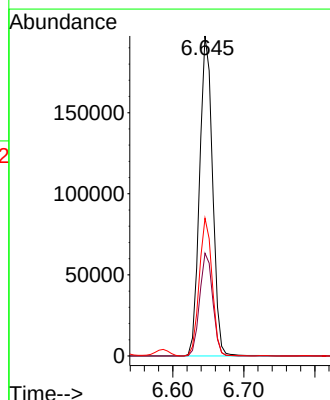
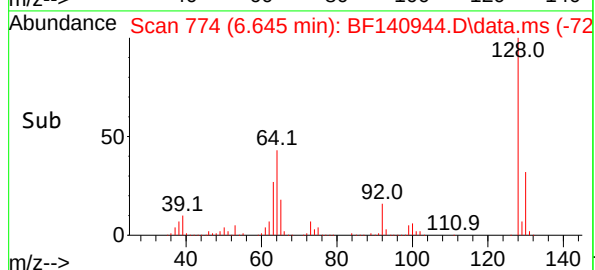
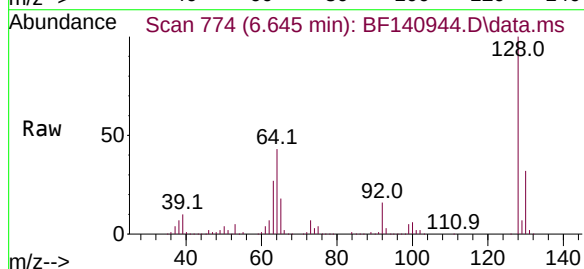
Manual Integrations
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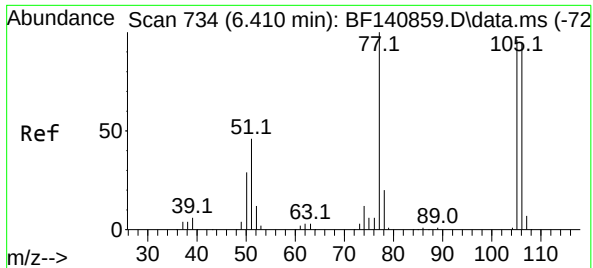
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#8
2-Chlorophenol
Concen: 53.280 ng
RT: 6.645 min Scan# 774
Delta R.T. -0.000 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:128 Resp: 251463
Ion Ratio Lower Upper
128 100
130 32.1 12.9 52.9
64 43.0 24.3 64.3





#9

Benzaldehyde

Concen: 16.266 ng

RT: 6.410 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF140944.D

Acq: 20 Dec 2024 12:07

Instrument :

BNA_F

ClientSampleId :

PB165705BS

Tgt Ion: 77 Resp: 5166

Ion Ratio Lower Upper

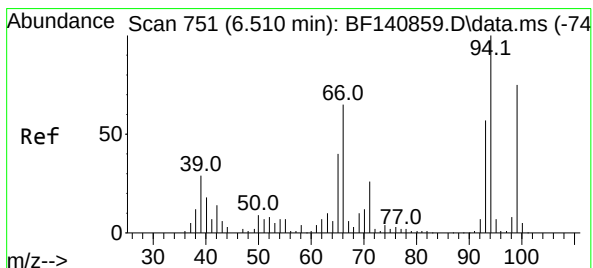
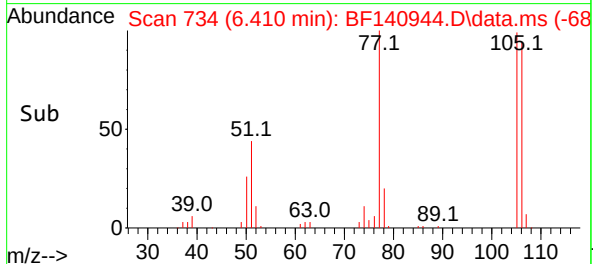
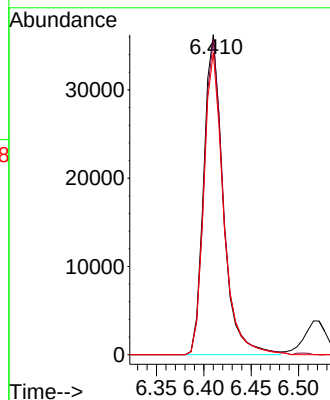
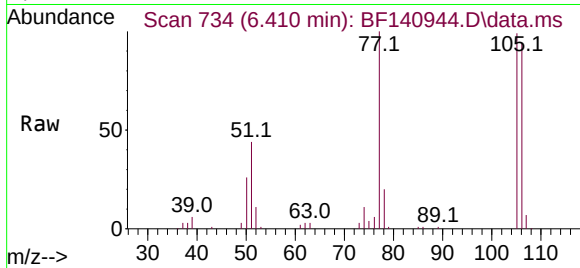
77 100

105 98.5 75.8 115.8

106 94.3 74.1 114.1

Manual Integrations

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Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

#10

Phenol

Concen: 48.944 ng

RT: 6.522 min Scan# 753

Delta R.T. 0.012 min

Lab File: BF140944.D

Acq: 20 Dec 2024 12:07

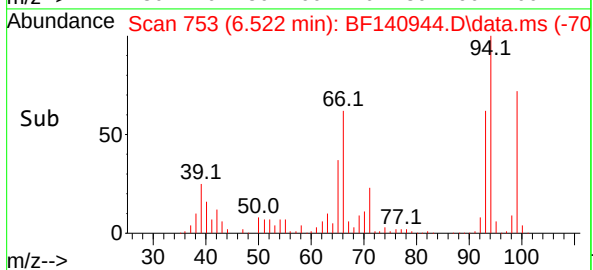
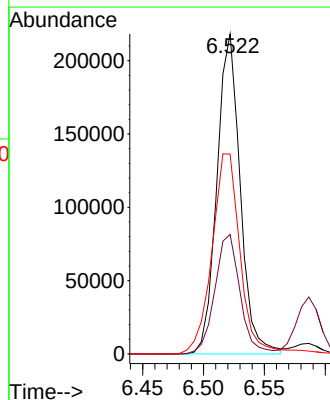
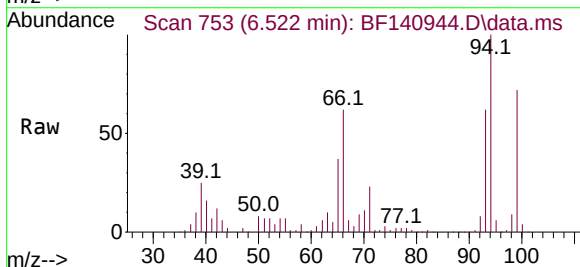
Tgt Ion: 94 Resp: 290791

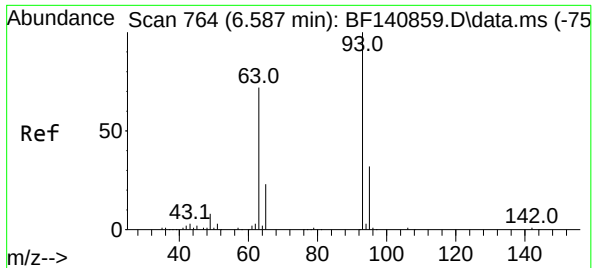
Ion Ratio Lower Upper

94 100

65 37.4 19.9 59.9

66 62.5 45.6 85.6





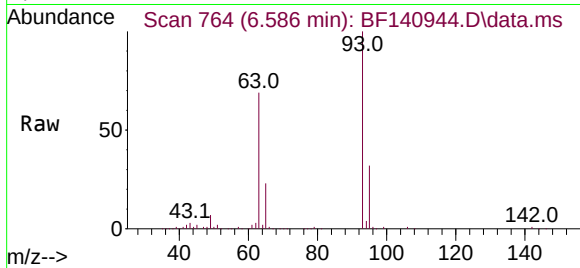
#11
bis(2-Chloroethyl)ether
Concen: 51.253 ng
RT: 6.586 min Scan# 764
Delta R.T. -0.000 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Instrument :

BNA_F

ClientSampleId :

PB165705BS

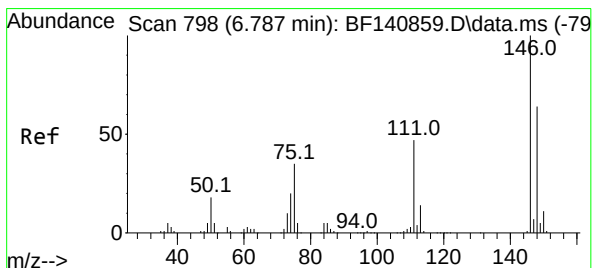
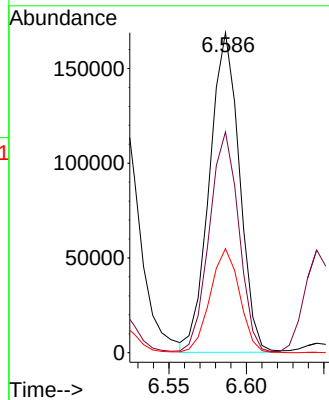
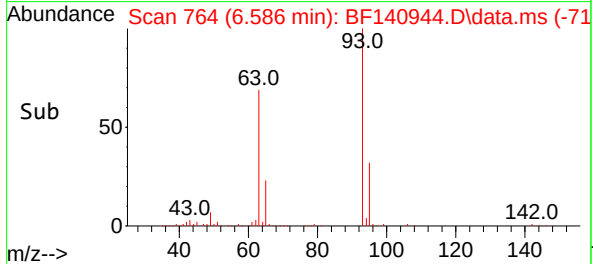


Tgt Ion: 93 Resp: 227090
Ion Ratio Lower Upper
93 100
63 69.0 51.0 91.0
95 32.5 12.0 52.0

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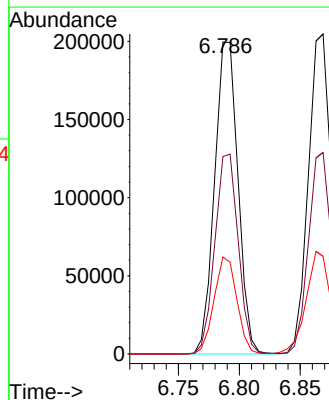
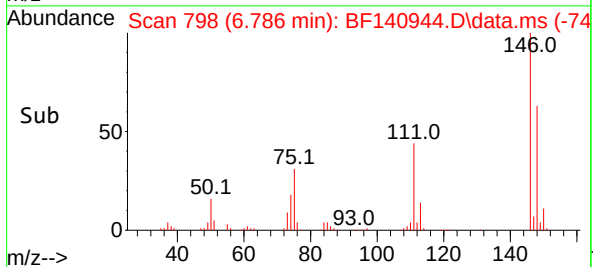
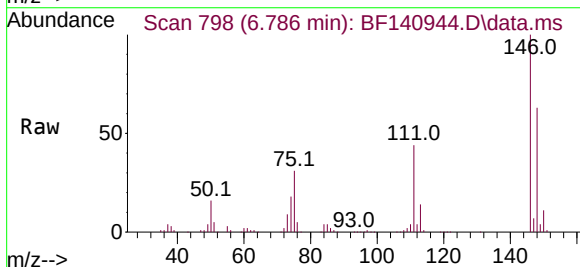
APPROVED

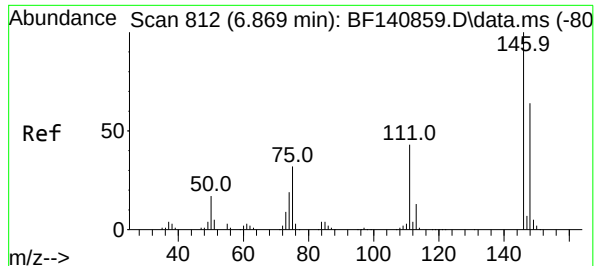
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#12
1,3-Dichlorobenzene
Concen: 49.664 ng
RT: 6.786 min Scan# 798
Delta R.T. -0.000 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:146 Resp: 267093
Ion Ratio Lower Upper
146 100
148 63.3 51.0 76.6
75 31.1 28.1 42.1





#13

1,4-Dichlorobenzene

Concen: 49.158 ng

RT: 6.869 min Scan# 812

Delta R.T. -0.000 min

Lab File: BF140944.D

Acq: 20 Dec 2024 12:07

Instrument :

BNA_F

ClientSampleId :

PB165705BS

Tgt Ion:146 Resp: 268358

Ion Ratio Lower Upper

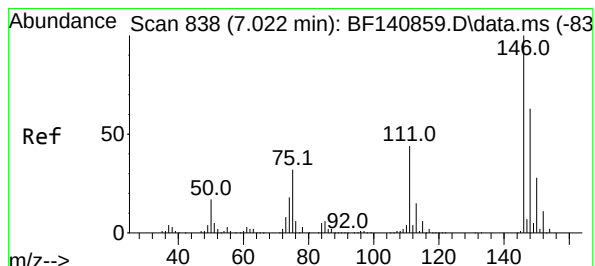
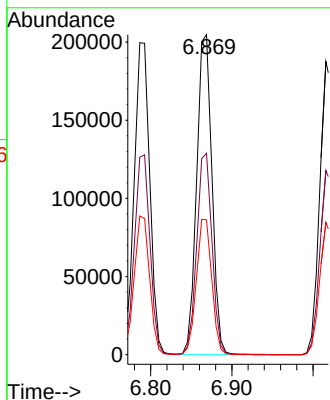
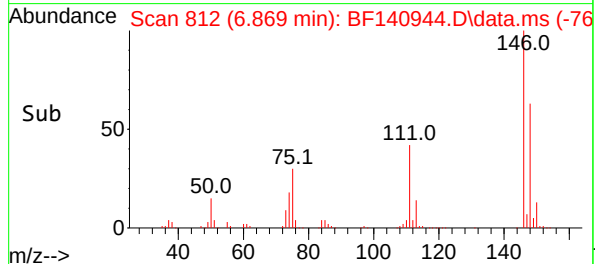
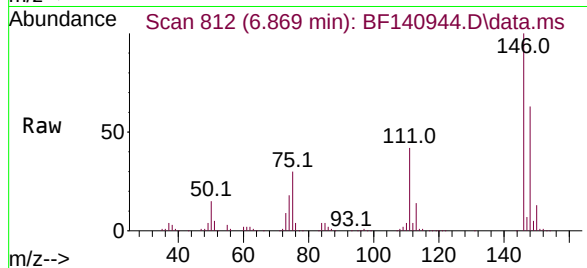
146 100

148 62.9 51.3 76.9

111 42.2 34.4 51.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

#14

1,2-Dichlorobenzene

Concen: 47.549 ng

RT: 7.016 min Scan# 837

Delta R.T. -0.006 min

Lab File: BF140944.D

Acq: 20 Dec 2024 12:07

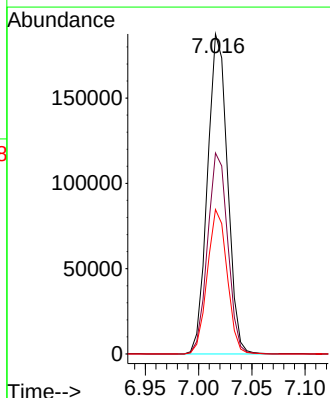
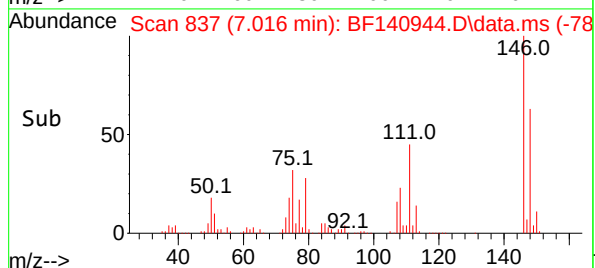
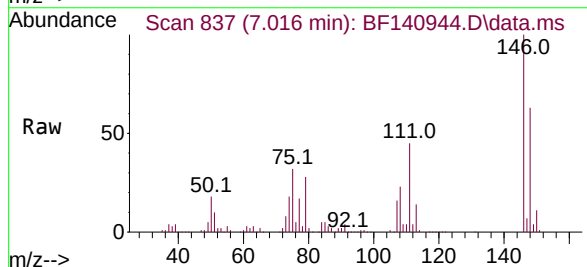
Tgt Ion:146 Resp: 244910

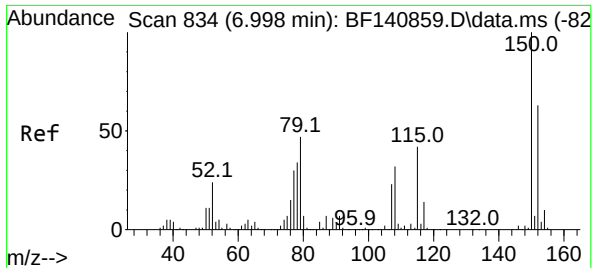
Ion Ratio Lower Upper

146 100

148 62.8 50.0 75.0

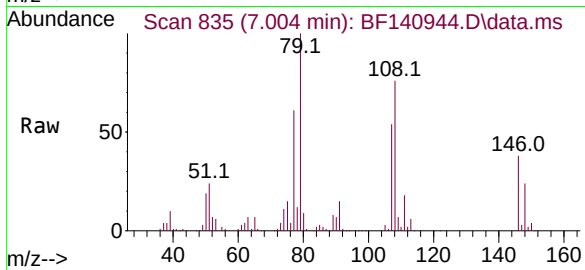
111 45.1 35.6 53.4





#15
Benzyl Alcohol
Concen: 49.369 ng
RT: 7.004 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

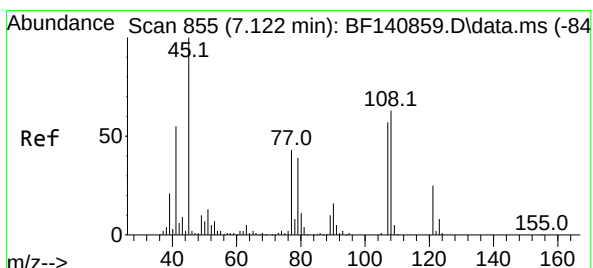
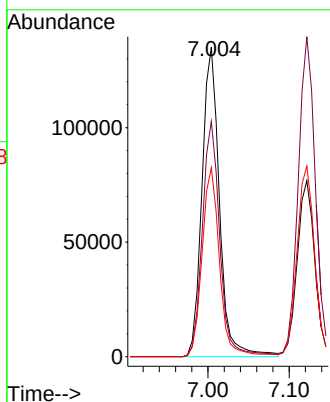
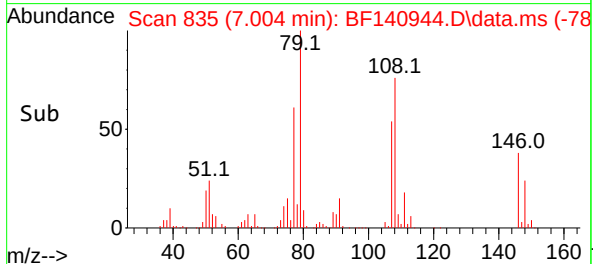
Instrument :
BNA_F
ClientSampleId :
PB165705BS



Tgt Ion: 79 Resp: 202352
Ion Ratio Lower Upper
79 100
108 76.1 55.1 82.7
77 61.0 50.6 76.0

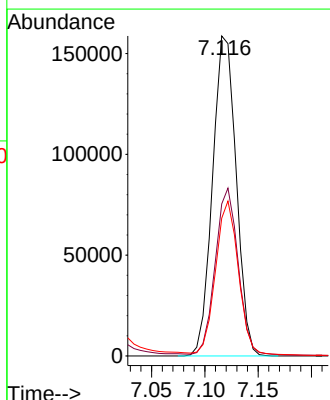
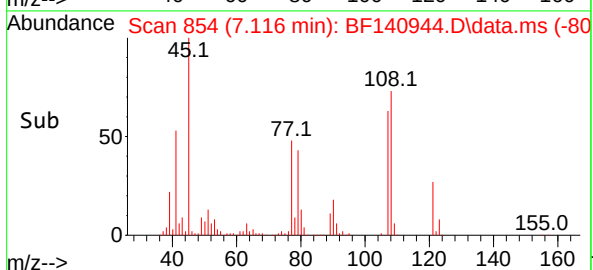
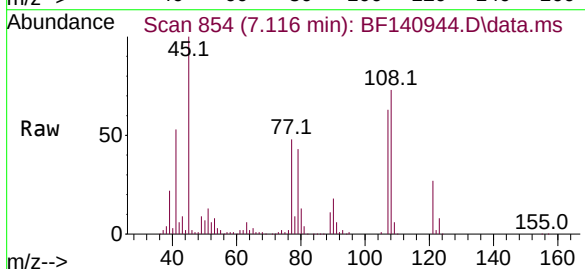
Manual Integrations
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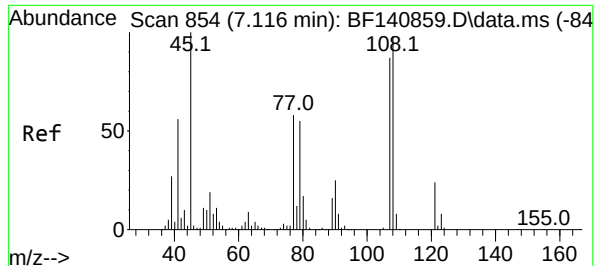
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#16
2,2'-oxybis(1-chloropropane)
Concen: 46.913 ng
RT: 7.116 min Scan# 854
Delta R.T. -0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion: 45 Resp: 244867
Ion Ratio Lower Upper
45 100
77 47.5 23.3 63.3
79 43.1 20.0 60.0





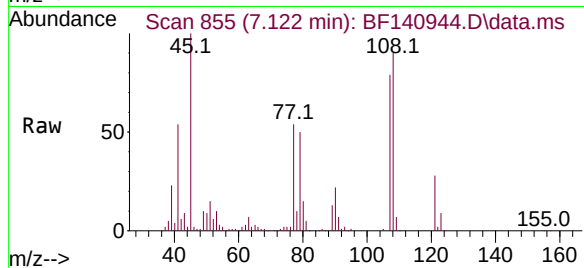
#17
2-Methylphenol
Concen: 47.995 ng
RT: 7.122 min Scan# 855
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Instrument :

BNA_F

ClientSampleId :

PB165705BS

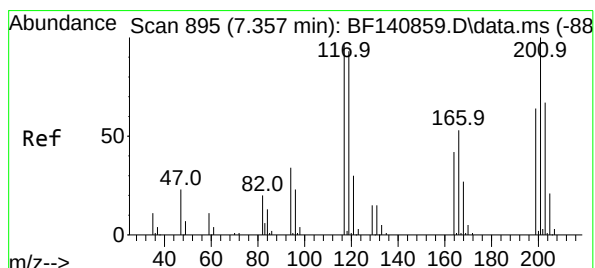
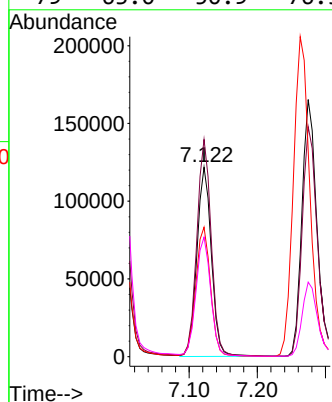
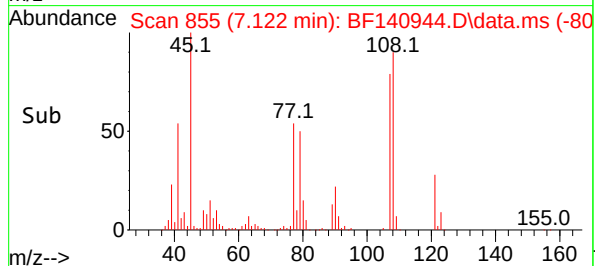


Tgt Ion:107 Resp: 18085
Ion Ratio Lower Upper
107 100
108 114.6 90.2 135.4
77 68.3 53.8 80.6
79 63.0 50.9 76.3

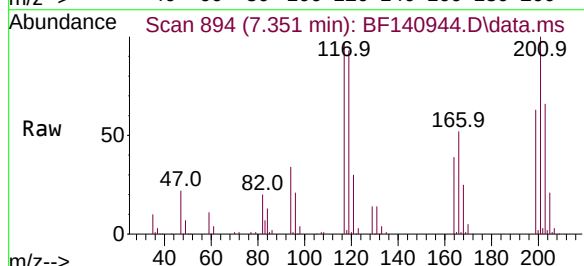
Manual Integrations

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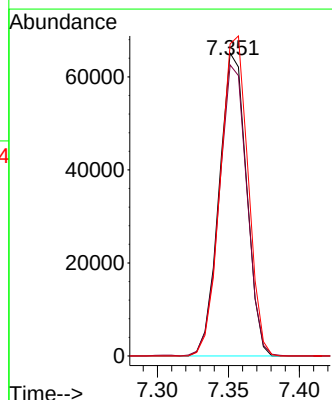
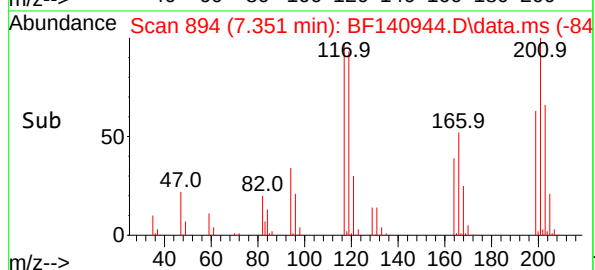
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

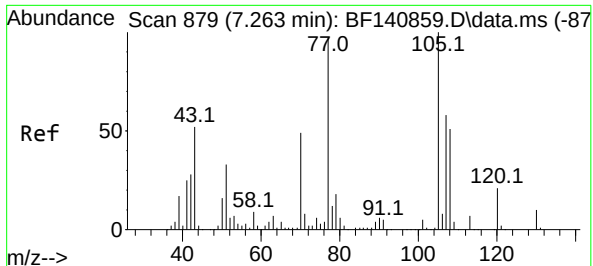


#18
Hexachloroethane
Concen: 42.869 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07



Tgt Ion:117 Resp: 87121
Ion Ratio Lower Upper
117 100
119 96.1 77.4 116.0
201 103.0 83.4 125.0





#19

n-Nitroso-di-n-propylamine

Concen: 50.203 ng

RT: 7.263 min Scan# 81

Delta R.T. -0.000 min

Lab File: BF140944.D

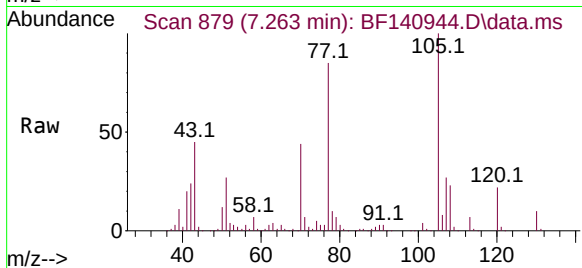
Acq: 20 Dec 2024 12:07

Instrument :

BNA_F

ClientSampleId :

PB165705BS



Tgt Ion: 70 Resp: 172630

Ion Ratio Lower Upper

70 100

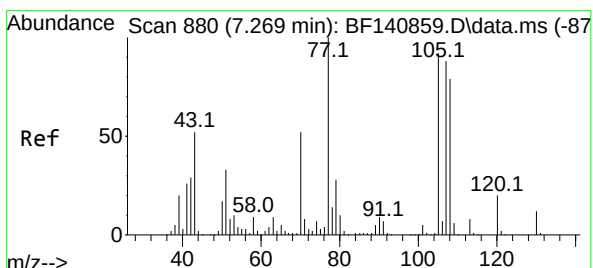
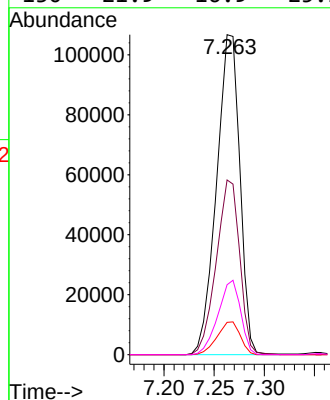
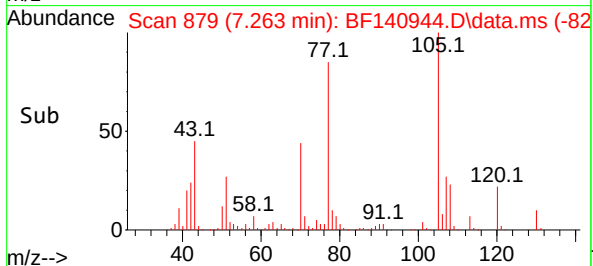
42 54.6 45.3 67.9

101 10.1 8.0 12.0

130 21.9 16.9 25.3

Manual Integrations

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Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

#20

3+4-Methylphenols

Concen: 51.031 ng

RT: 7.275 min Scan# 881

Delta R.T. 0.006 min

Lab File: BF140944.D

Acq: 20 Dec 2024 12:07

Tgt Ion:107 Resp: 254983

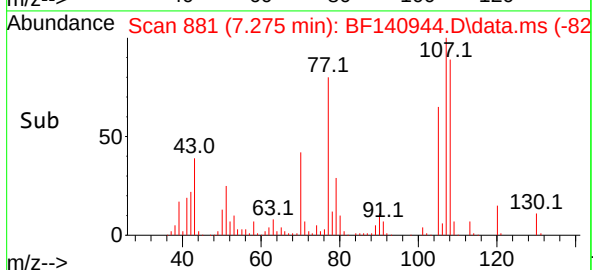
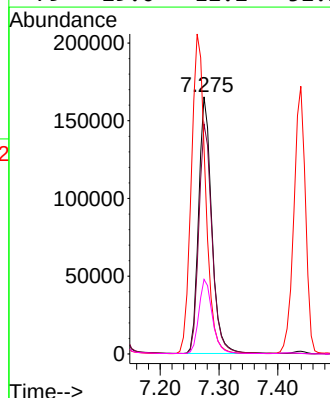
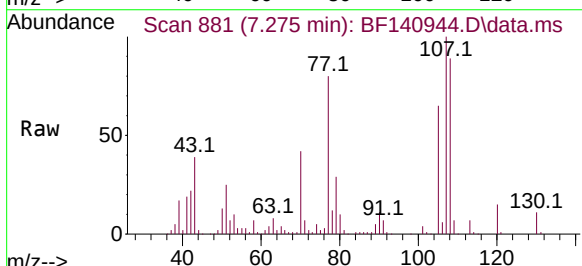
Ion Ratio Lower Upper

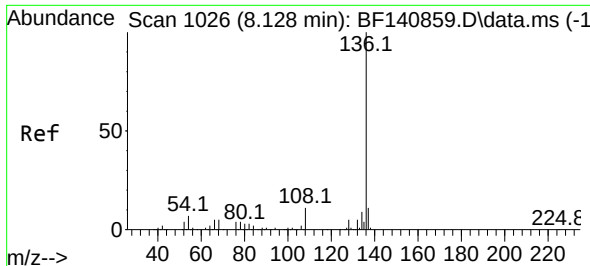
107 100

108 89.4 70.1 110.1

77 80.1 94.4 134.4#

79 29.0 12.2 52.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.128 min Scan# 1026

Delta R.T. -0.000 min

Lab File: BF140944.D

Acq: 20 Dec 2024 12:07

Instrument :

BNA_F

ClientSampleId :

PB165705BS

Tgt Ion:136 Resp: 25566

Ion Ratio Lower Upper

136 100

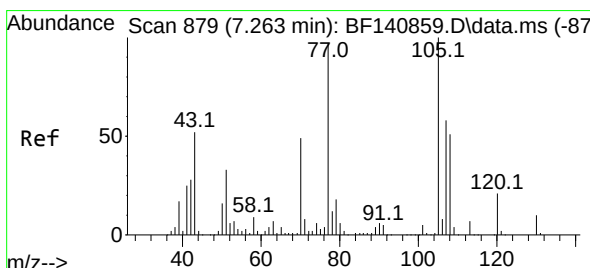
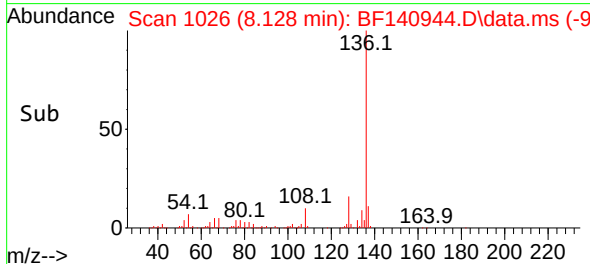
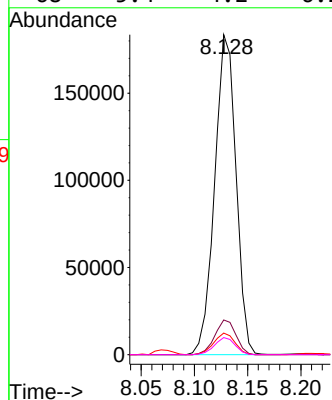
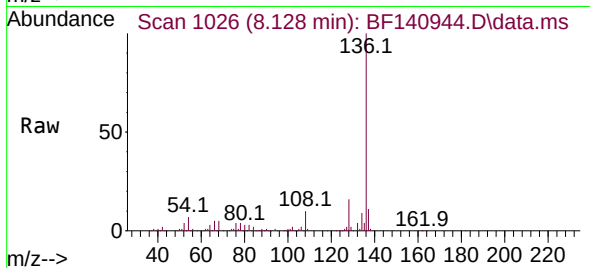
137 10.9 9.0 13.4

54 6.8 5.6 8.4

68 5.4 4.2 6.2

Manual Integrations

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Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

#22

Acetophenone

Concen: 54.389 ng

RT: 7.263 min Scan# 879

Delta R.T. -0.000 min

Lab File: BF140944.D

Acq: 20 Dec 2024 12:07

Tgt Ion:105 Resp: 347847

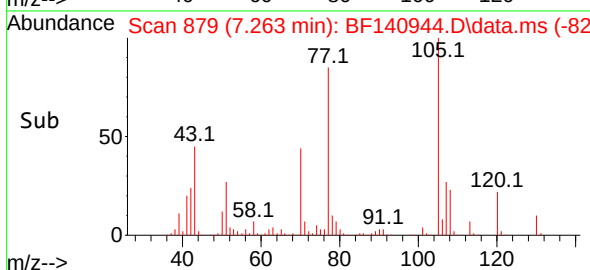
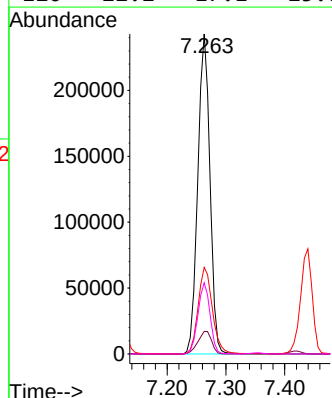
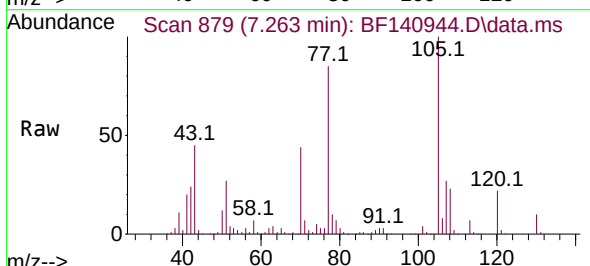
Ion Ratio Lower Upper

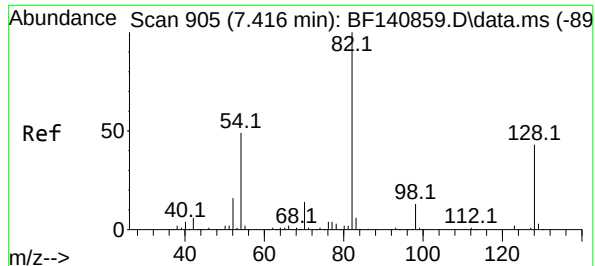
105 100

71 7.0 6.2 9.4

51 27.0 26.3 39.5

120 22.2 17.1 25.7





#23

Nitrobenzene-d5

Concen: 91.608 ng

RT: 7.416 min Scan# 905

Delta R.T. -0.000 min

Lab File: BF140944.D

Acq: 20 Dec 2024 12:07

Instrument :

BNA_F

ClientSampleId :

PB165705BS

Tgt Ion: 82 Resp: 46812

Ion Ratio Lower Upper

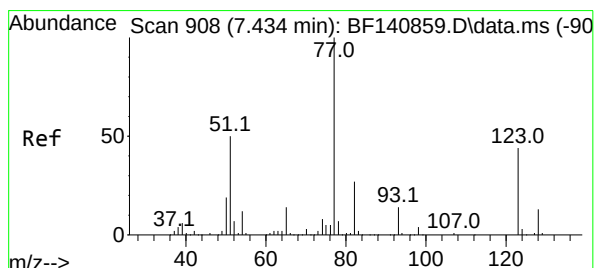
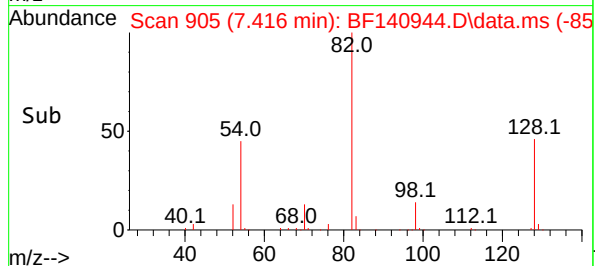
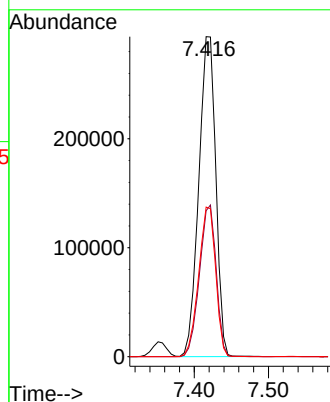
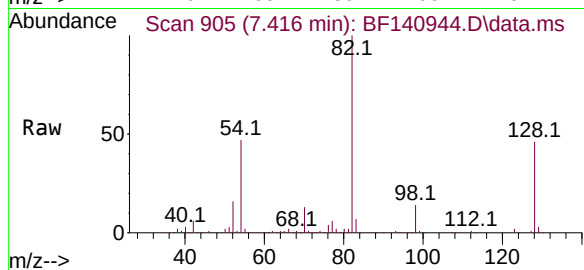
82 100

128 45.6 34.4 51.6

54 46.8 38.8 58.2

Manual Integrations

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Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

#24

Nitrobenzene

Concen: 45.000 ng

RT: 7.439 min Scan# 909

Delta R.T. 0.006 min

Lab File: BF140944.D

Acq: 20 Dec 2024 12:07

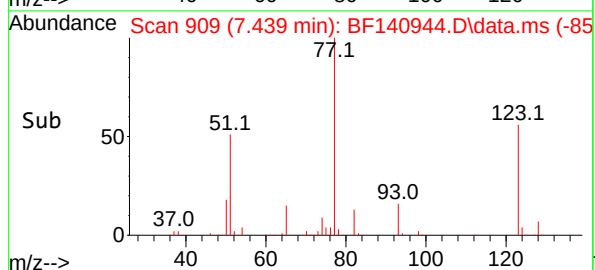
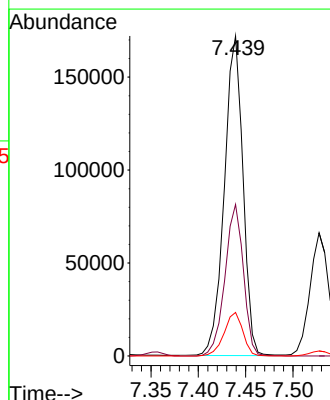
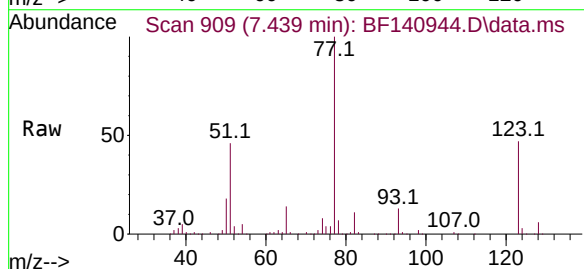
Tgt Ion: 77 Resp: 235580

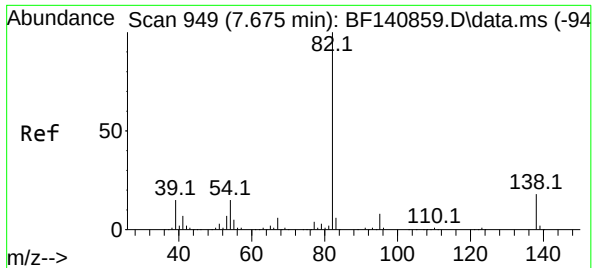
Ion Ratio Lower Upper

77 100

123 47.3 35.0 52.4

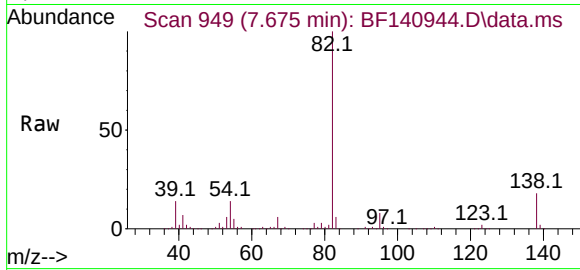
65 13.6 11.4 17.0





#25
Isophorone
Concen: 49.531 ng
RT: 7.675 min Scan# 949
Delta R.T. -0.000 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

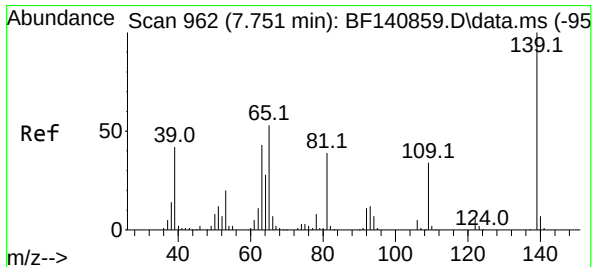
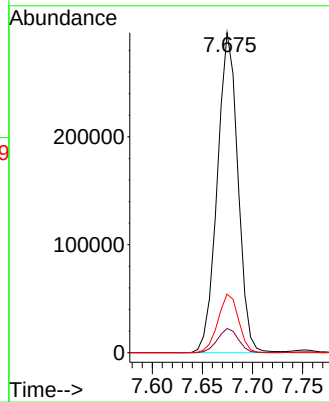
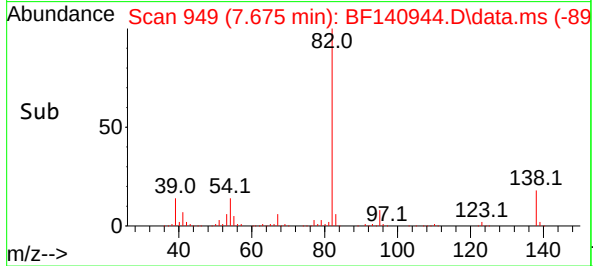
Instrument :
BNA_F
ClientSampleId :
PB165705BS



Tgt Ion: 82 Resp: 424100
Ion Ratio Lower Upper
82 100
95 7.6 6.3 9.5
138 18.3 14.1 21.1

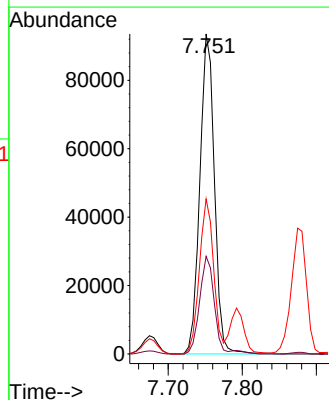
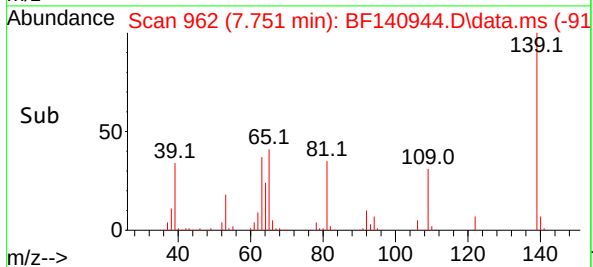
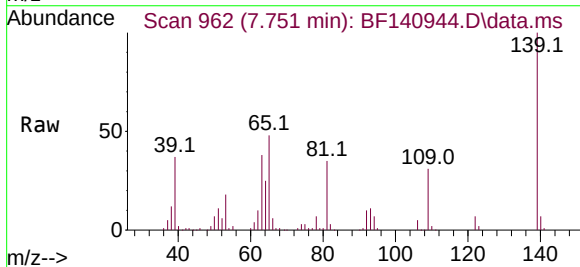
Manual Integrations
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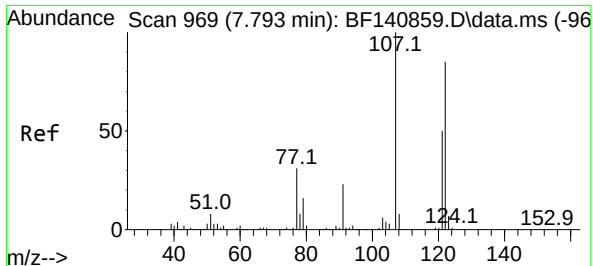
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#26
2-Nitrophenol
Concen: 53.191 ng
RT: 7.751 min Scan# 962
Delta R.T. -0.000 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:139 Resp: 128251
Ion Ratio Lower Upper
139 100
109 30.5 26.9 40.3
65 48.4 42.6 64.0





#27

2,4-Dimethylphenol

Concen: 62.636 ng

RT: 7.792 min Scan# 90

Delta R.T. -0.000 min

Lab File: BF140944.D

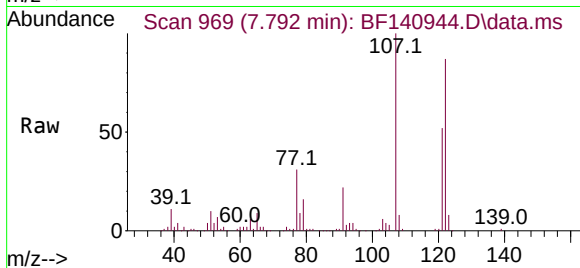
Acq: 20 Dec 2024 12:07

Instrument :

BNA_F

ClientSampleId :

PB165705BS



Tgt Ion:122 Resp: 17637

Ion Ratio Lower Upper

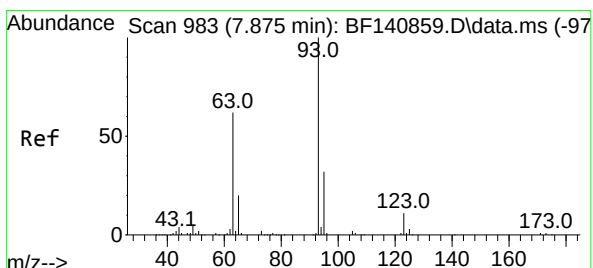
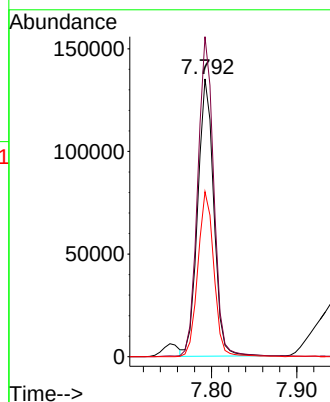
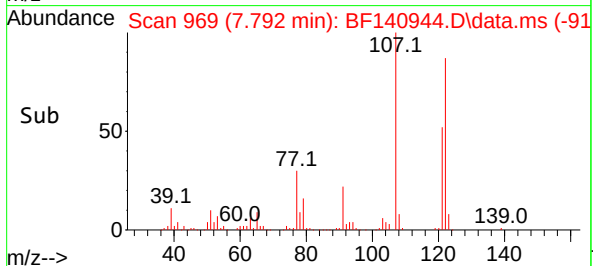
122 100

107 115.2 92.6 139.0

121 59.3 45.8 68.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

#28

bis(2-Chloroethoxy)methane

Concen: 49.677 ng

RT: 7.875 min Scan# 983

Delta R.T. -0.000 min

Lab File: BF140944.D

Acq: 20 Dec 2024 12:07

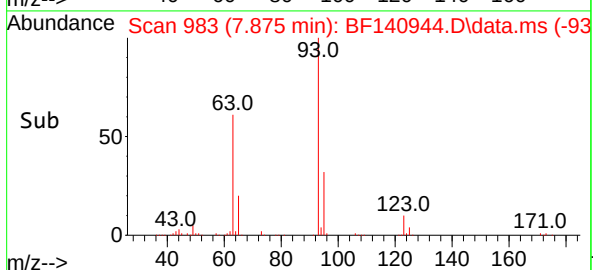
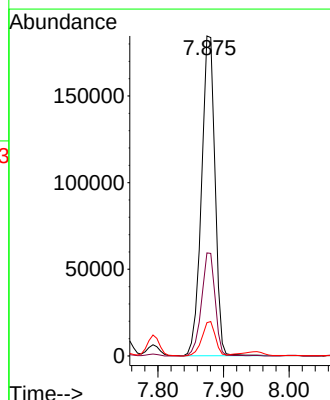
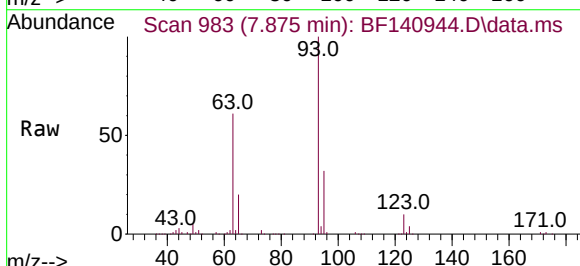
Tgt Ion: 93 Resp: 265660

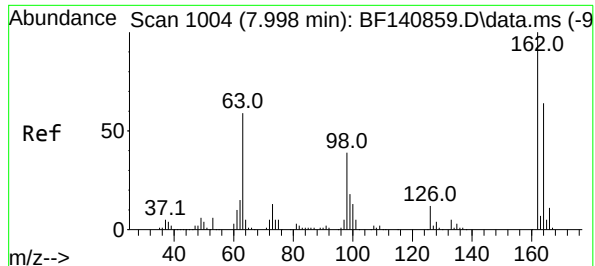
Ion Ratio Lower Upper

93 100

95 32.2 25.3 37.9

123 10.4 8.6 13.0





#29

2,4-Dichlorophenol

Concen: 53.277 ng

RT: 8.004 min Scan# 1004

Delta R.T. 0.006 min

Lab File: BF140944.D

Acq: 20 Dec 2024 12:07

Instrument :

BNA_F

ClientSampleId :

PB165705BS

Tgt Ion:162 Resp: 20711

Ion Ratio Lower Upper

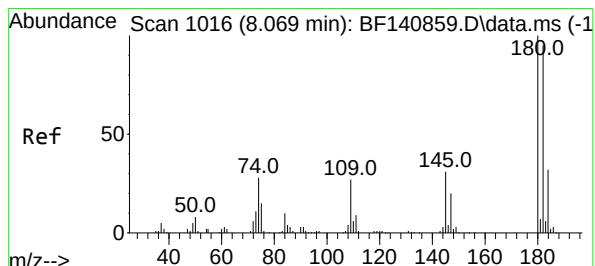
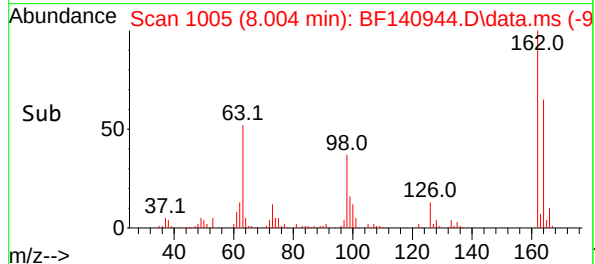
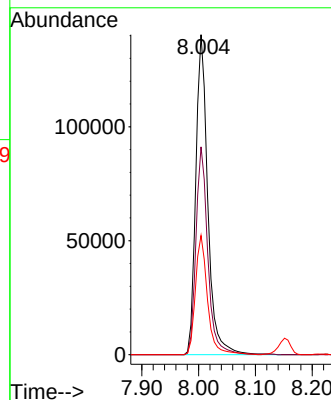
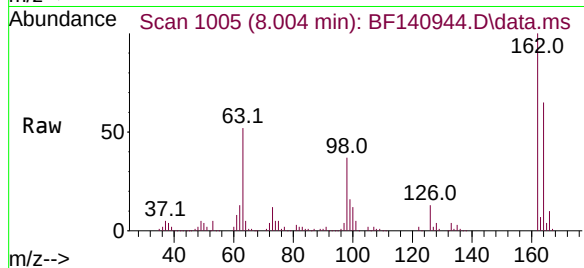
162 100

164 64.9 43.7 83.7

98 37.3 18.6 58.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

#30

1,2,4-Trichlorobenzene

Concen: 49.061 ng

RT: 8.075 min Scan# 1017

Delta R.T. 0.006 min

Lab File: BF140944.D

Acq: 20 Dec 2024 12:07

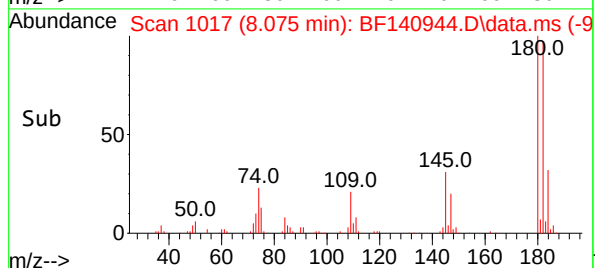
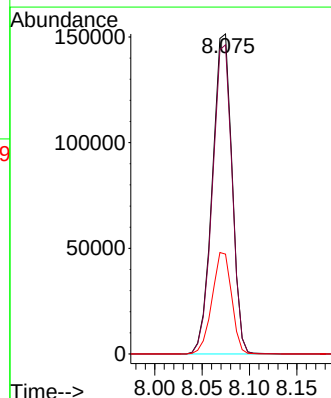
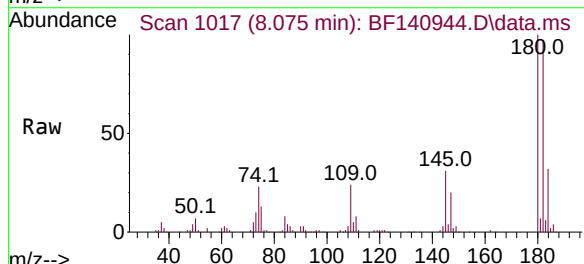
Tgt Ion:180 Resp: 218640

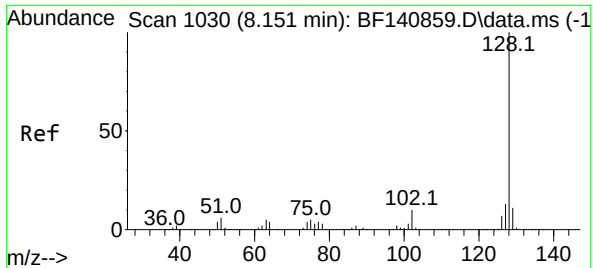
Ion Ratio Lower Upper

180 100

182 96.6 75.8 113.6

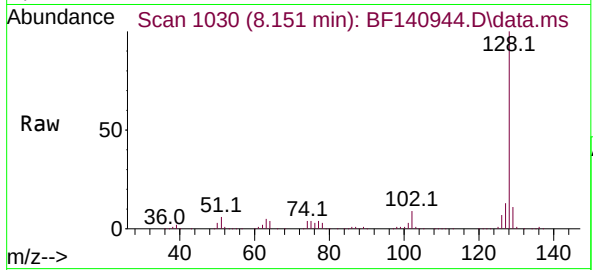
145 31.2 25.2 37.8





#31
Naphthalene
Concen: 48.804 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.000 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

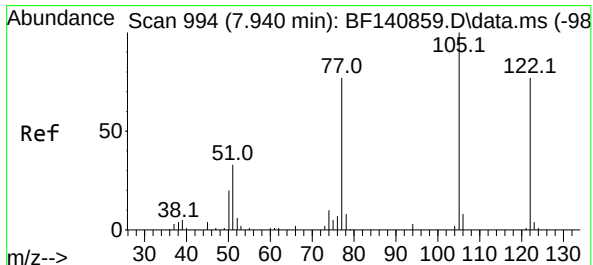
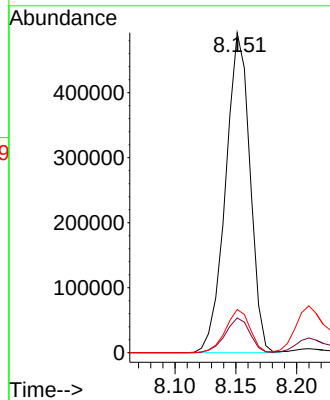
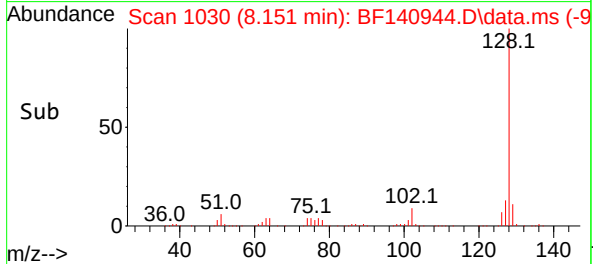
Instrument :
BNA_F
ClientSampleId :
PB165705BS



Tgt Ion:128 Resp: 685399
Ion Ratio Lower Upper
128 100
129 10.9 8.9 13.3
127 13.5 10.6 16.0

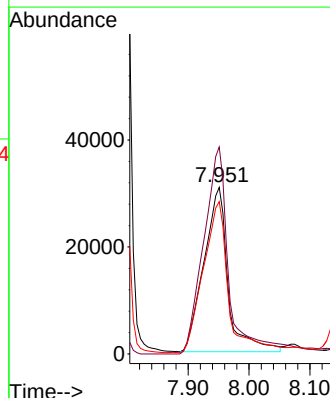
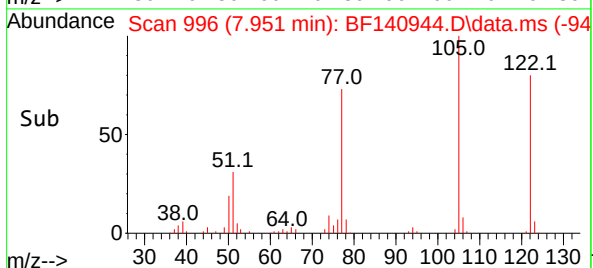
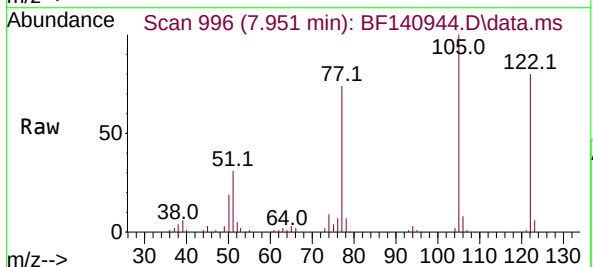
Manual Integrations
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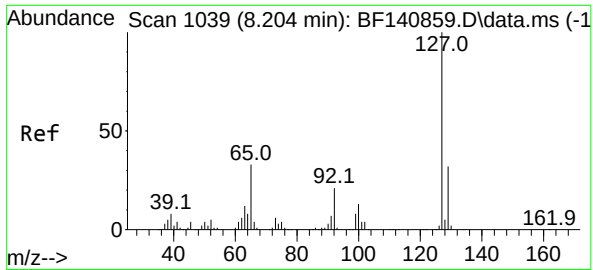
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#32
Benzoic acid
Concen: 31.894 ng
RT: 7.951 min Scan# 996
Delta R.T. 0.011 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:122 Resp: 85175
Ion Ratio Lower Upper
122 100
105 124.3 108.3 148.3
77 91.4 78.8 118.8





#33

4-Chloroaniline

Concen: 34.586 ng

RT: 8.210 min Scan# 1040

Delta R.T. 0.006 min

Lab File: BF140944.D

Acq: 20 Dec 2024 12:07

Instrument :

BNA_F

ClientSampleId :

PB165705BS

Tgt Ion:127 Resp: 161324

Ion Ratio Lower Upper

127 100

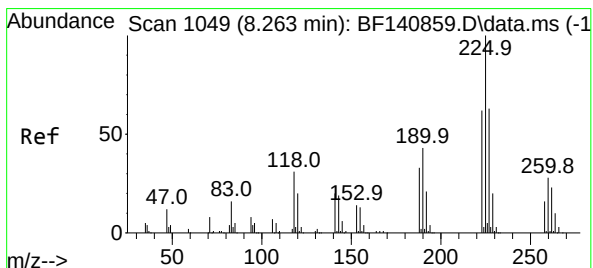
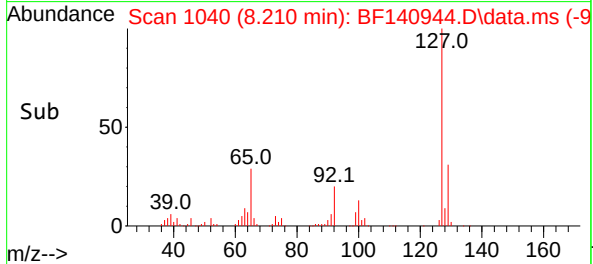
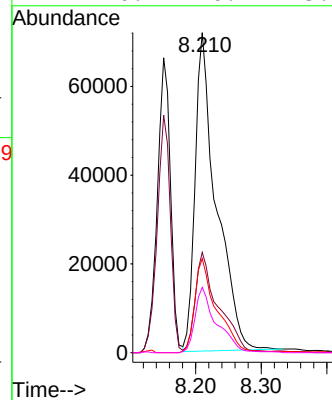
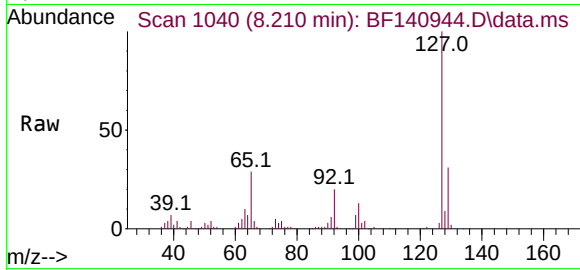
129 31.3 26.0 39.0

65 29.4 26.0 39.0

92 20.4 16.7 25.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

#34

Hexachlorobutadiene

Concen: 46.981 ng

RT: 8.263 min Scan# 1049

Delta R.T. -0.000 min

Lab File: BF140944.D

Acq: 20 Dec 2024 12:07

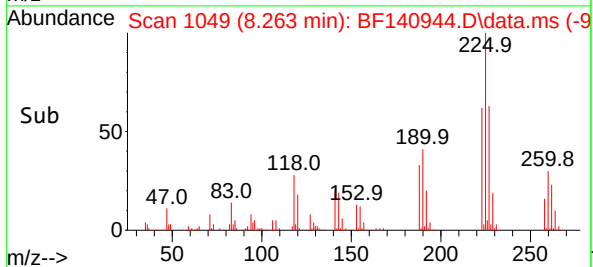
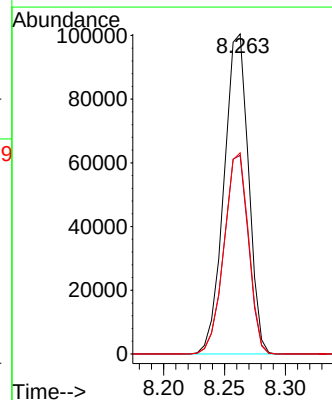
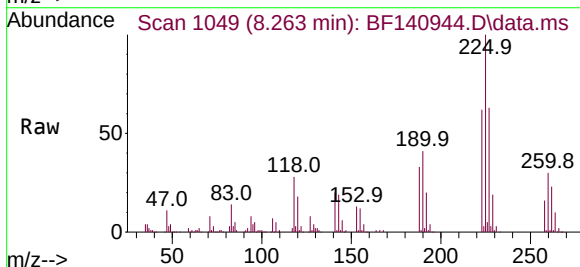
Tgt Ion:225 Resp: 140865

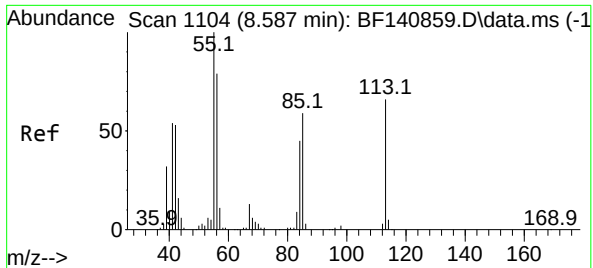
Ion Ratio Lower Upper

225 100

223 62.1 49.6 74.4

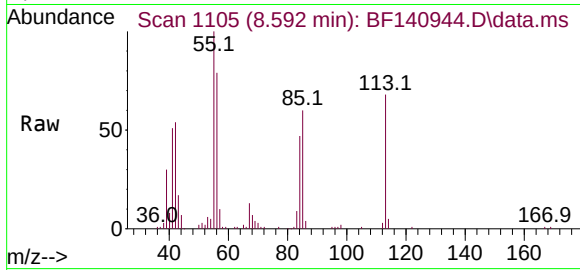
227 62.8 50.7 76.1





#35
Caprolactam
Concen: 49.612 ng m
RT: 8.592 min Scan# 1104
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

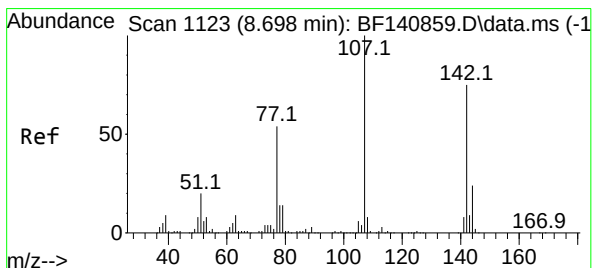
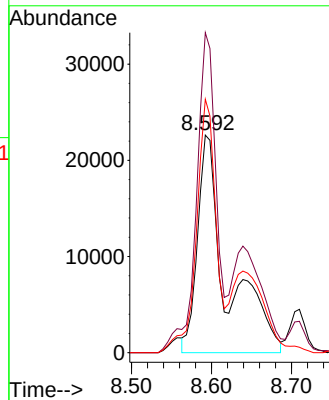
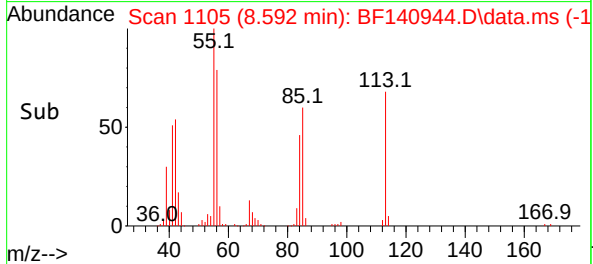
Instrument :
BNA_F
ClientSampleId :
PB165705BS



Tgt Ion:113 Resp: 57419
Ion Ratio Lower Upper
113 100
55 147.0 132.3 172.3
56 116.4 100.3 140.3

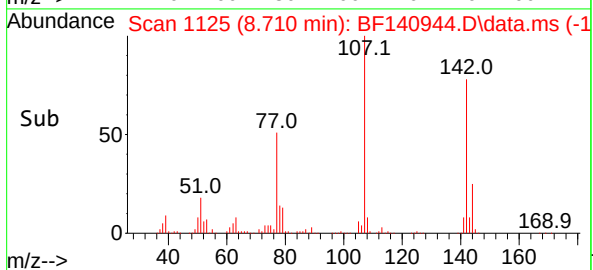
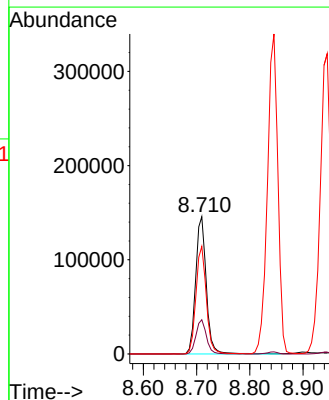
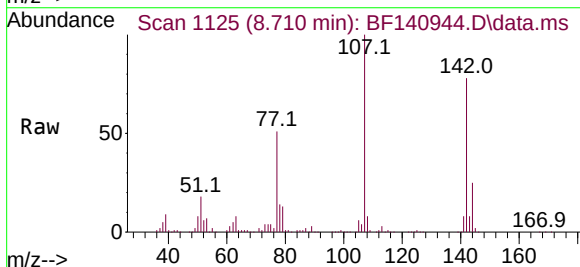
Manual Integrations
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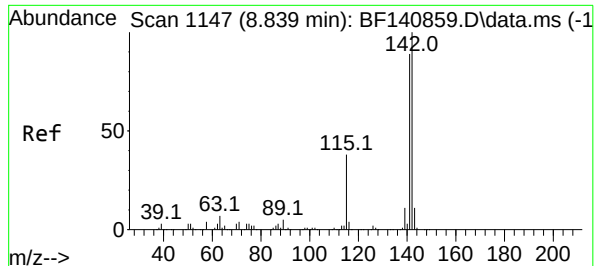
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#36
4-Chloro-3-methylphenol
Concen: 46.112 ng
RT: 8.710 min Scan# 1125
Delta R.T. 0.012 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:107 Resp: 201762
Ion Ratio Lower Upper
107 100
144 25.0 19.4 29.2
142 78.3 60.3 90.5





#37
2-Methylnaphthalene
Concen: 50.021 ng
RT: 8.845 min Scan# 1147
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Instrument :

BNA_F

ClientSampleId :

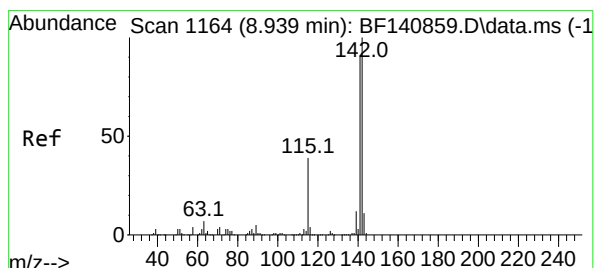
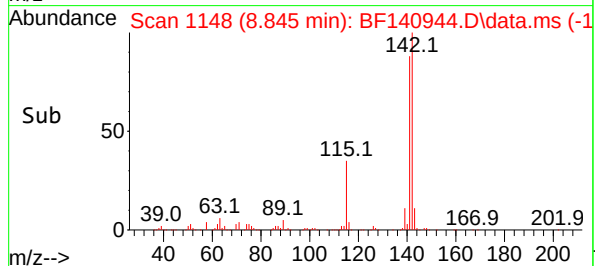
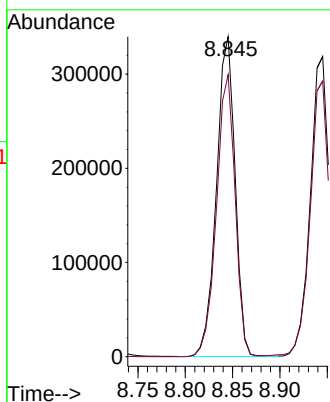
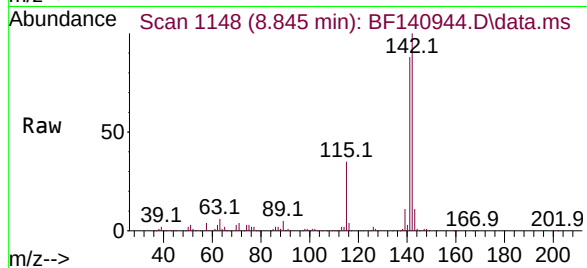
PB165705BS

Tgt Ion:142 Resp: 46469
Ion Ratio Lower Upper
142 100
141 88.2 71.0 106.6

Manual Integrations

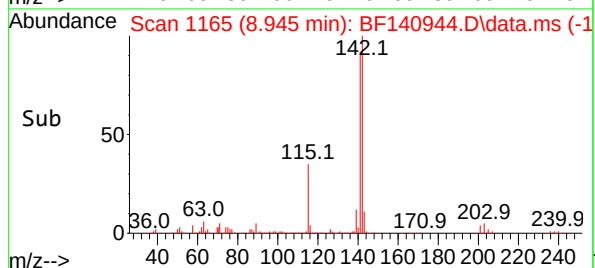
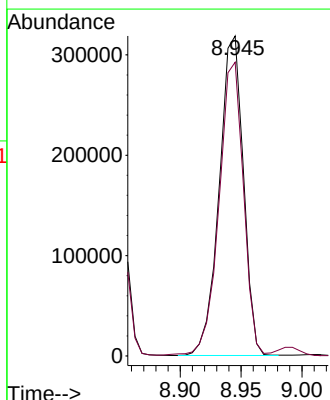
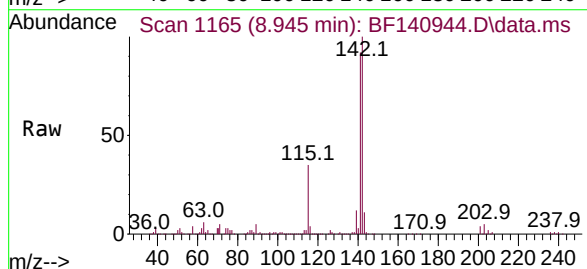
APPROVED

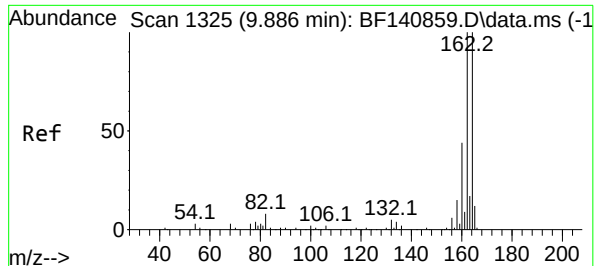
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#38
1-Methylnaphthalene
Concen: 47.751 ng
RT: 8.945 min Scan# 1165
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:142 Resp: 438727
Ion Ratio Lower Upper
142 100
141 91.8 73.4 110.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.886 min Scan# 1175

Delta R.T. -0.000 min

Lab File: BF140944.D

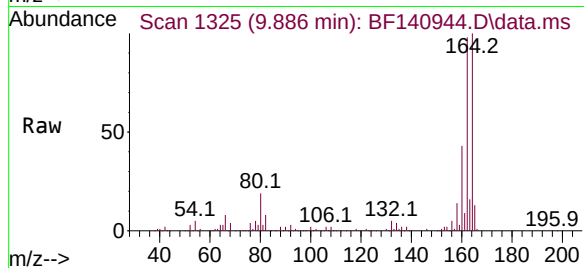
Acq: 20 Dec 2024 12:07

Instrument :

BNA_F

ClientSampleId :

PB165705BS



Tgt Ion:164 Resp: 141292

Ion Ratio Lower Upper

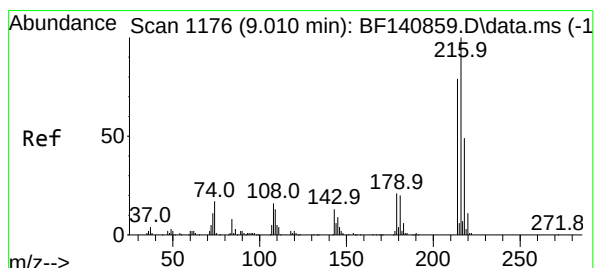
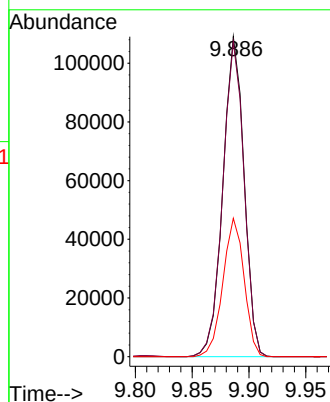
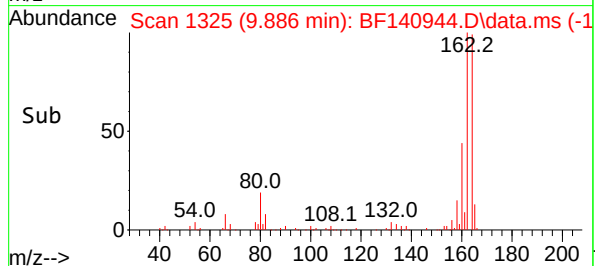
164 100

162 98.5 79.9 119.9

160 43.2 35.2 52.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

#40

1,2,4,5-Tetrachlorobenzene

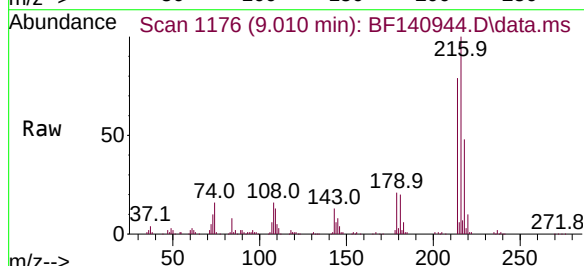
Concen: 53.956 ng

RT: 9.010 min Scan# 1176

Delta R.T. -0.000 min

Lab File: BF140944.D

Acq: 20 Dec 2024 12:07



Tgt Ion:216 Resp: 234321

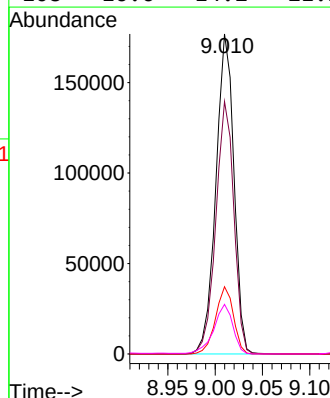
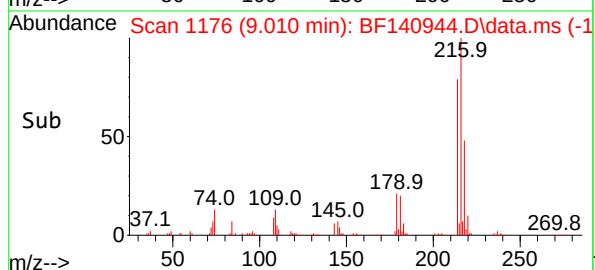
Ion Ratio Lower Upper

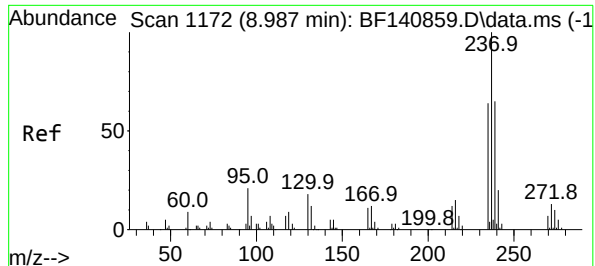
216 100

214 78.9 63.6 95.4

179 20.8 17.0 25.4

108 16.6 14.2 21.2





#41

Hexachlorocyclopentadiene

Concen: 68.569 ng

RT: 8.992 min Scan# 1173

Delta R.T. 0.005 min

Lab File: BF140944.D

Acq: 20 Dec 2024 12:07

Instrument :

BNA_F

ClientSampleId :

PB165705BS

Tgt Ion:237 Resp: 96370

Ion Ratio Lower Upper

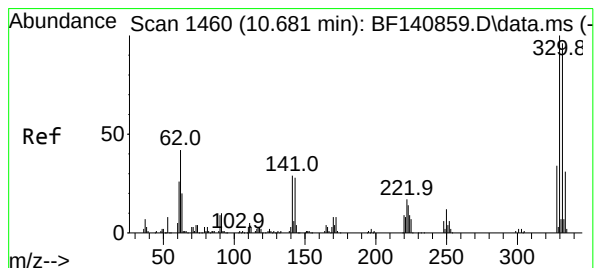
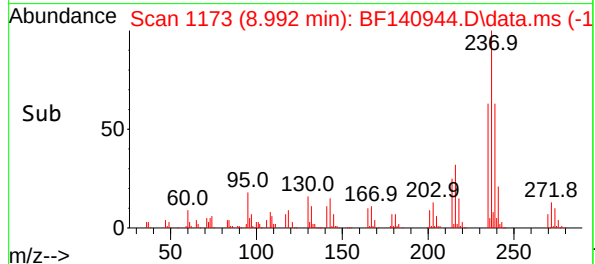
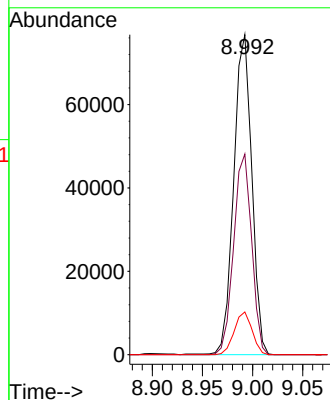
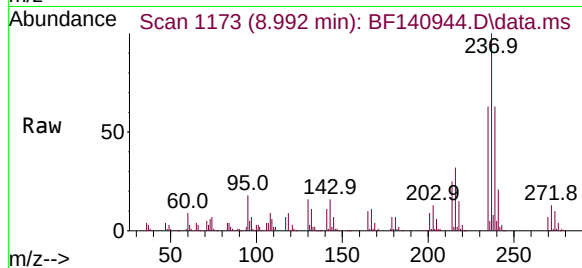
237 100

235 62.7 43.7 83.7

272 13.3 0.0 32.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

#42

2,4,6-Tribromophenol

Concen: 134.800 ng

RT: 10.686 min Scan# 1461

Delta R.T. 0.006 min

Lab File: BF140944.D

Acq: 20 Dec 2024 12:07

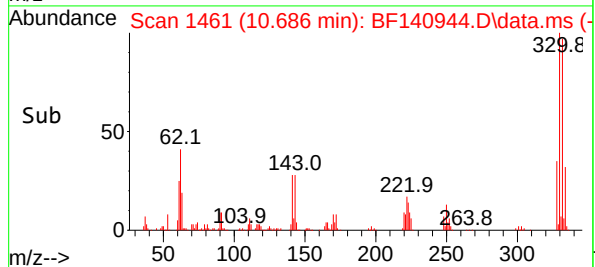
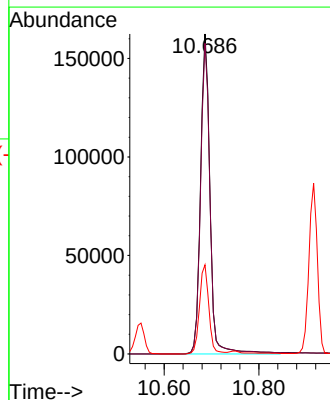
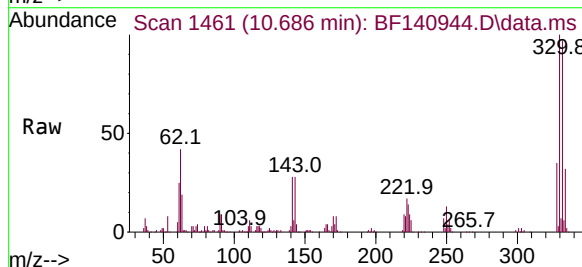
Tgt Ion:330 Resp: 225262

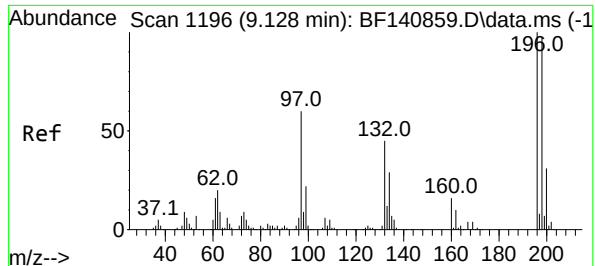
Ion Ratio Lower Upper

330 100

332 97.8 76.2 114.4

141 27.4 24.9 37.3





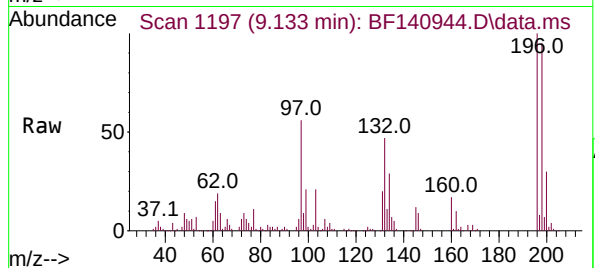
#43
2,4,6-Trichlorophenol
Concen: 50.276 ng
RT: 9.133 min Scan# 1196
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Instrument :

BNA_F

ClientSampleId :

PB165705BS

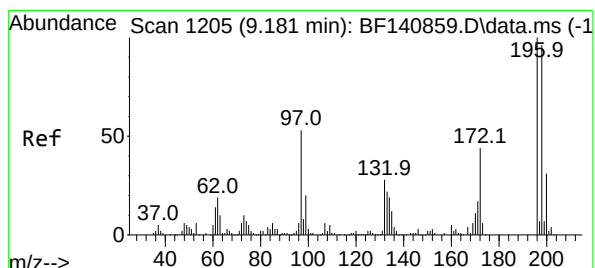
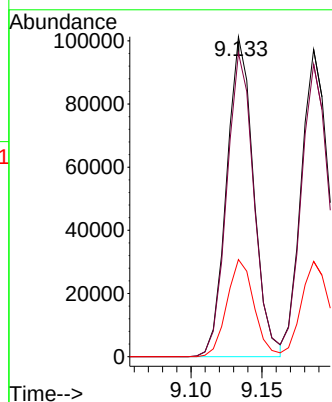
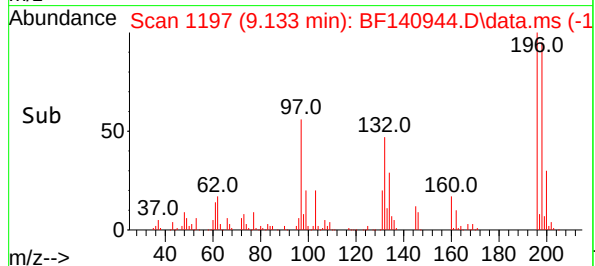


Tgt Ion:196 Resp: 13369
Ion Ratio Lower Upper
196 100
198 94.9 77.4 116.0
200 30.3 24.5 36.7

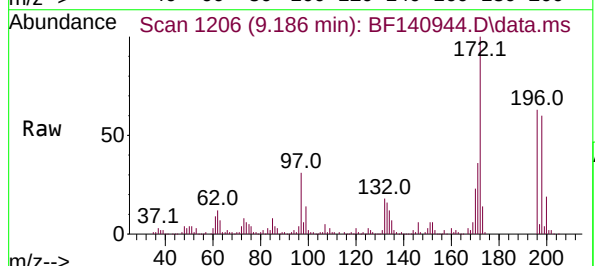
Manual Integrations

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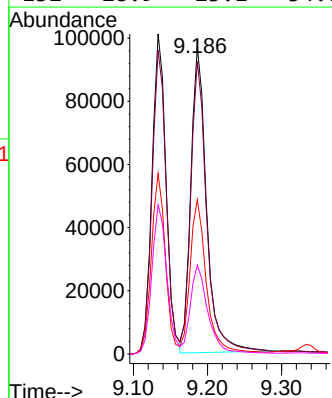
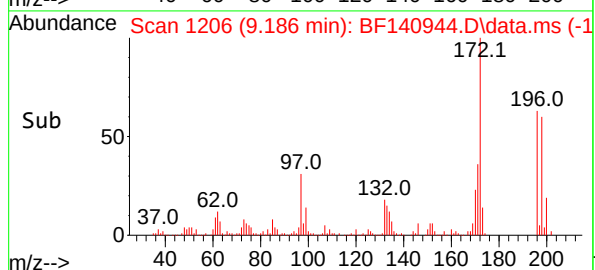
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

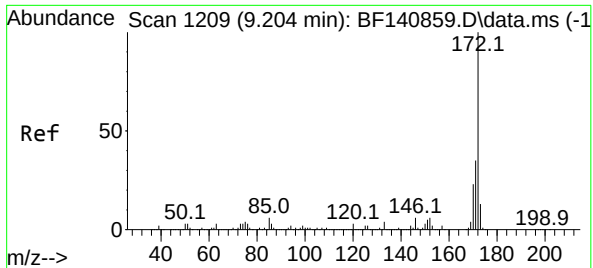


#44
2,4,5-Trichlorophenol
Concen: 49.003 ng
RT: 9.186 min Scan# 1206
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07



Tgt Ion:196 Resp: 143227
Ion Ratio Lower Upper
196 100
198 95.2 77.2 115.8
97 50.2 42.2 63.4
132 28.9 23.1 34.7





#45

2-Fluorobiphenyl

Concen: 105.274 ng

RT: 9.204 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF140944.D

Acq: 20 Dec 2024 12:07

Instrument :

BNA_F

ClientSampleId :

PB165705BS

Tgt Ion:172 Resp: 108188

Ion Ratio Lower Upper

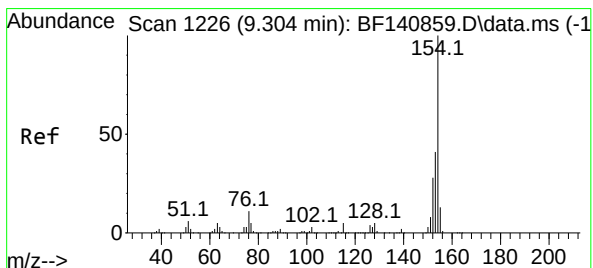
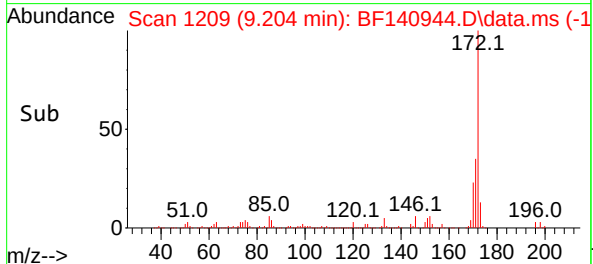
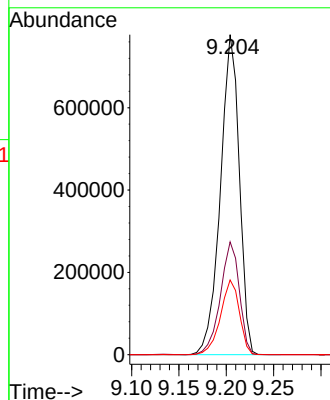
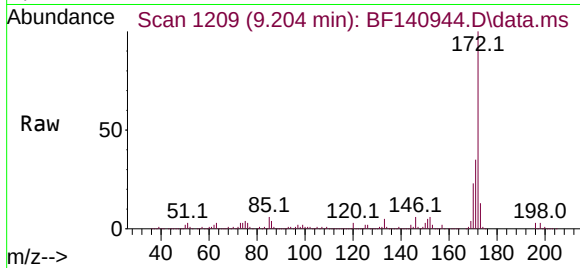
172 100

171 35.2 28.4 42.6

170 23.4 18.6 28.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

#46

1,1'-Biphenyl

Concen: 49.168 ng

RT: 9.310 min Scan# 1227

Delta R.T. 0.006 min

Lab File: BF140944.D

Acq: 20 Dec 2024 12:07

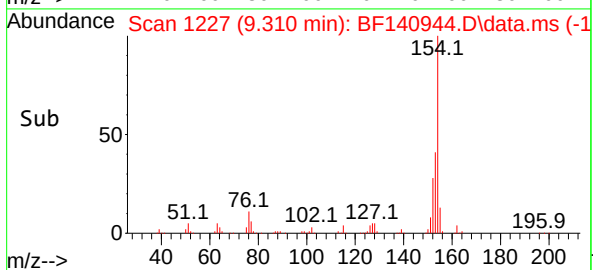
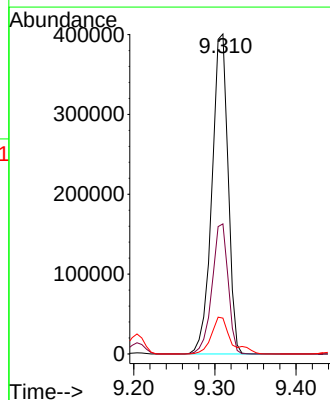
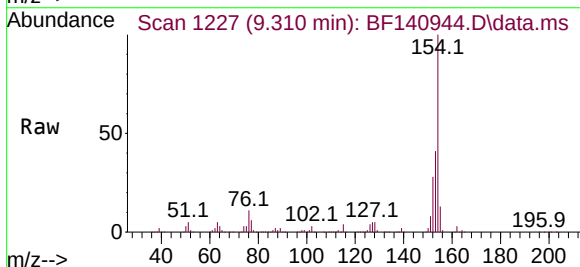
Tgt Ion:154 Resp: 552413

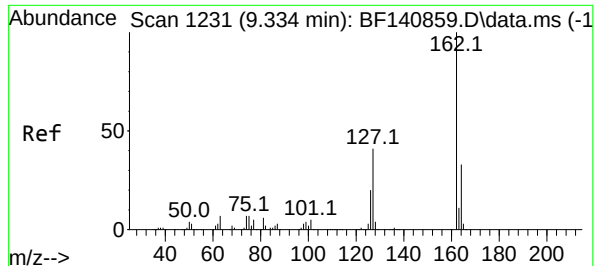
Ion Ratio Lower Upper

154 100

153 40.6 20.8 60.8

76 11.2 0.0 31.0





#47

2-Chloronaphthalene

Concen: 48.592 ng

RT: 9.333 min Scan# 1231

Delta R.T. -0.000 min

Lab File: BF140944.D

Acq: 20 Dec 2024 12:07

Instrument :

BNA_F

ClientSampleId :

PB165705BS

Tgt Ion:162 Resp: 417659

Ion Ratio Lower Upper

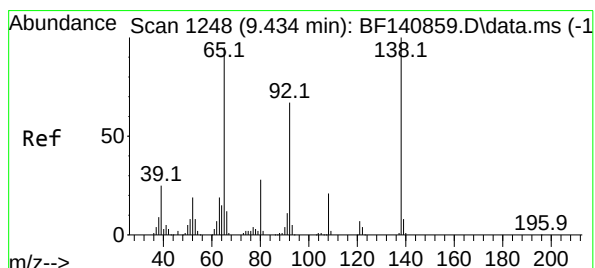
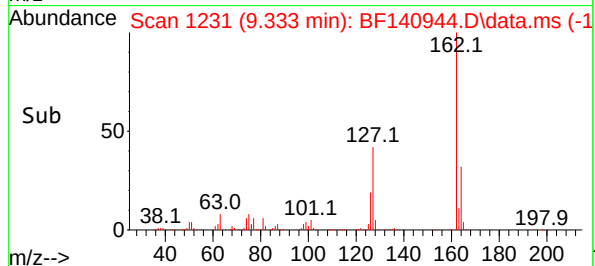
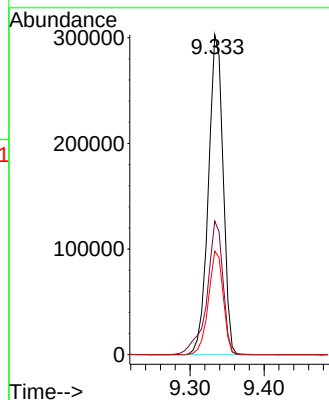
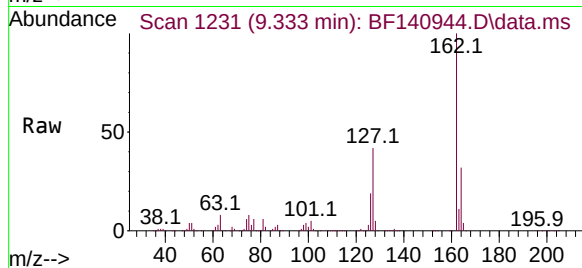
162 100

127 41.8 33.5 50.3

164 32.4 26.2 39.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

#48

2-Nitroaniline

Concen: 46.835 ng

RT: 9.439 min Scan# 1249

Delta R.T. 0.006 min

Lab File: BF140944.D

Acq: 20 Dec 2024 12:07

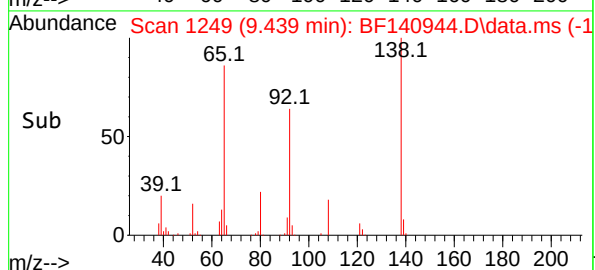
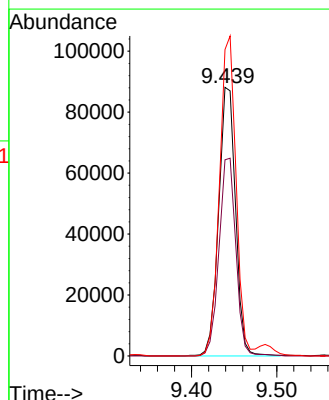
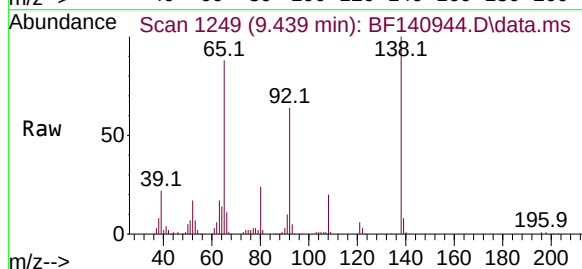
Tgt Ion: 65 Resp: 121577

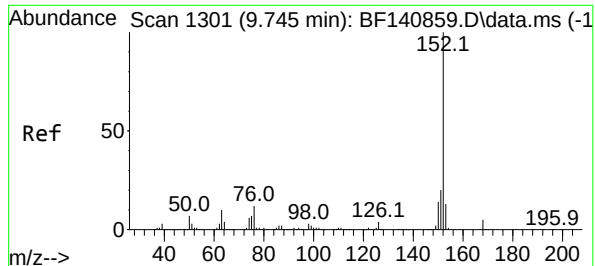
Ion Ratio Lower Upper

65 100

92 73.0 56.3 84.5

138 114.0 83.8 125.6





#49

Acenaphthylene

Concen: 53.969 ng

RT: 9.751 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF140944.D

Acq: 20 Dec 2024 12:07

Instrument :

BNA_F

ClientSampleId :

PB165705BS

Tgt Ion:152 Resp: 681698

Ion Ratio Lower Upper

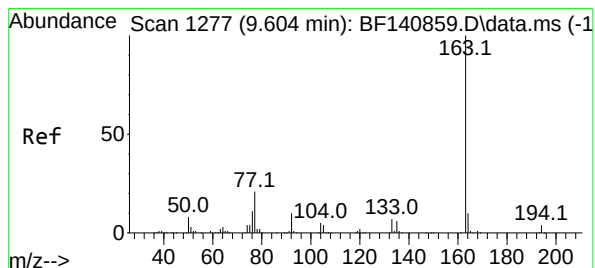
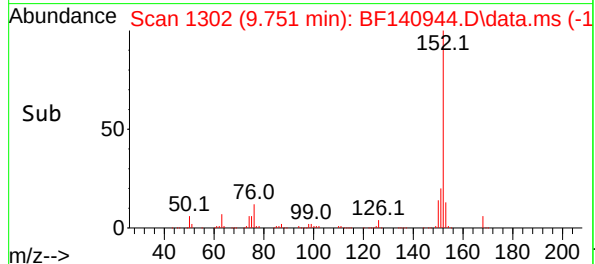
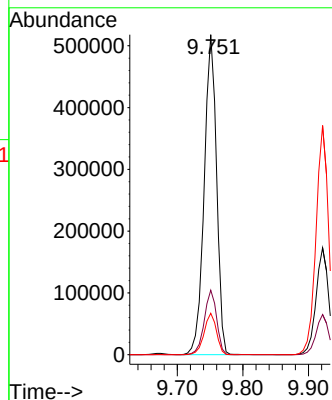
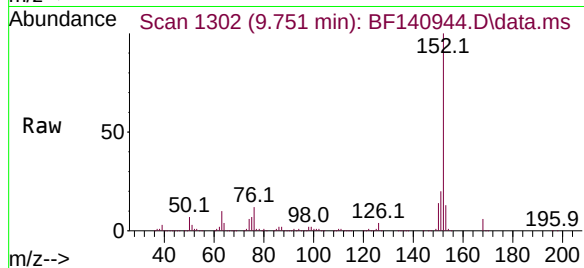
152 100

151 20.2 16.0 24.0

153 13.0 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

#50

Dimethylphthalate

Concen: 49.797 ng

RT: 9.610 min Scan# 1278

Delta R.T. 0.006 min

Lab File: BF140944.D

Acq: 20 Dec 2024 12:07

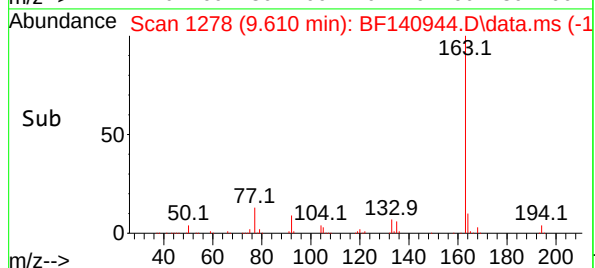
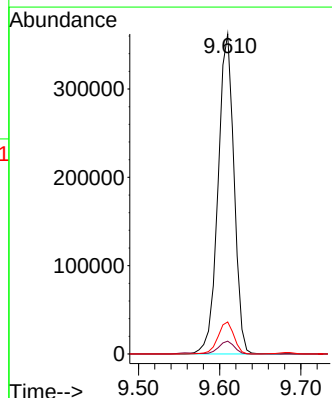
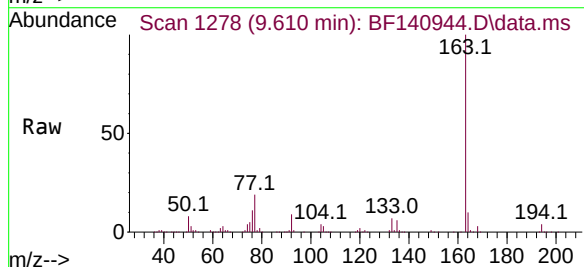
Tgt Ion:163 Resp: 496054

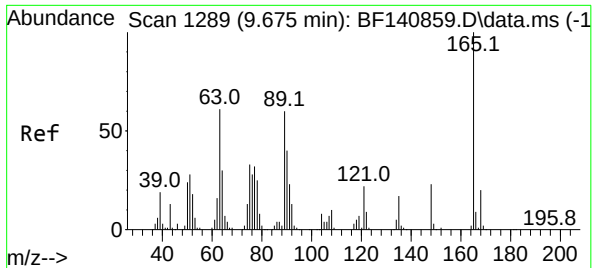
Ion Ratio Lower Upper

163 100

194 4.0 3.1 4.7

164 10.0 8.1 12.1





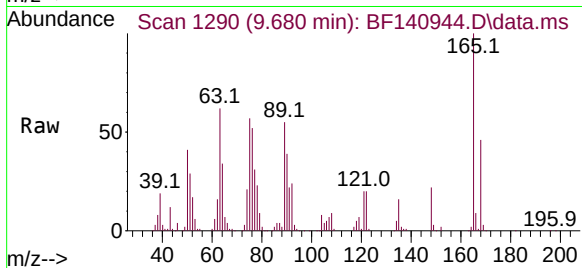
#51
2,6-Dinitrotoluene
Concen: 47.820 ng
RT: 9.680 min Scan# 1289
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Instrument :

BNA_F

ClientSampleId :

PB165705BS

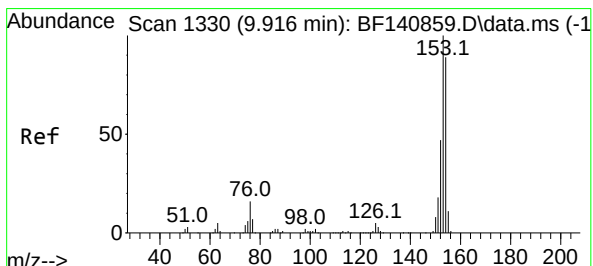
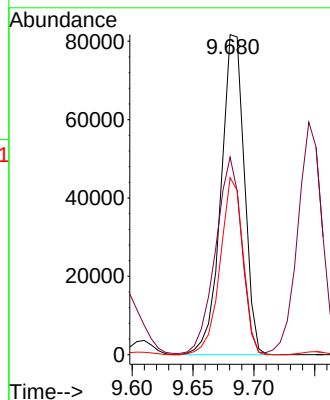
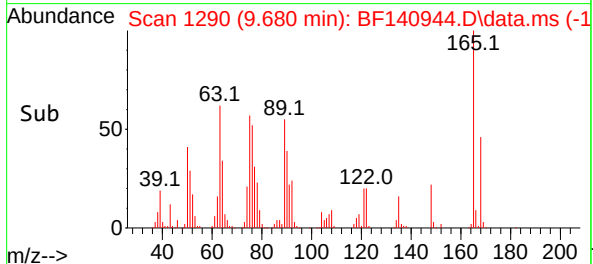


Tgt Ion:165 Resp: 108898
Ion Ratio Lower Upper
165 100
63 61.7 49.7 74.5
89 55.3 48.2 72.4

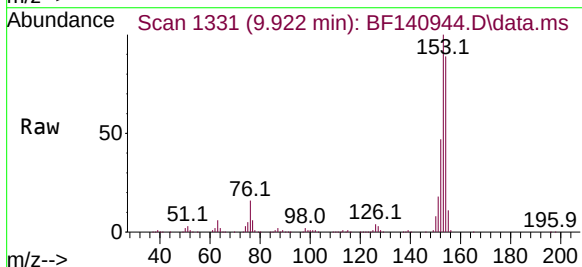
Manual Integrations

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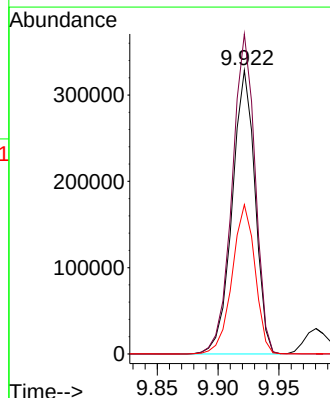
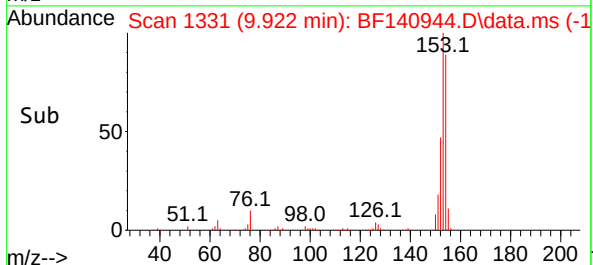
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

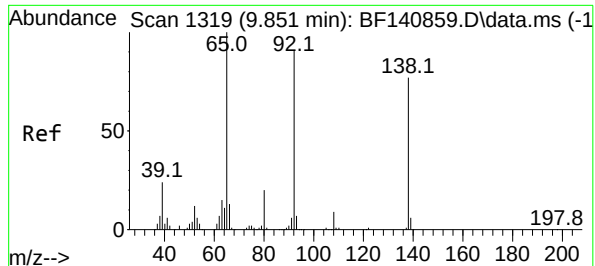


#52
Acenaphthene
Concen: 53.351 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07



Tgt Ion:154 Resp: 430468
Ion Ratio Lower Upper
154 100
153 112.8 89.9 134.9
152 52.6 42.6 63.8





#53

3-Nitroaniline

Concen: 34.184 ng

RT: 9.857 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF140944.D

Acq: 20 Dec 2024 12:07

Instrument :

BNA_F

ClientSampleId :

PB165705BS

Tgt Ion:138 Resp: 77254

Ion Ratio Lower Upper

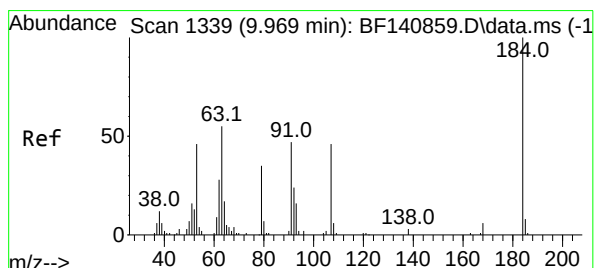
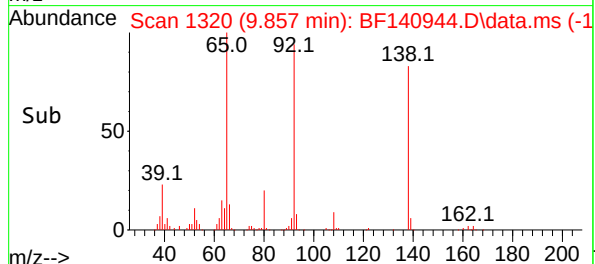
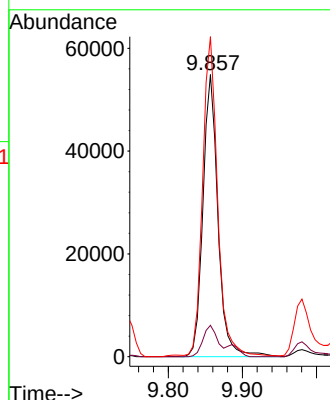
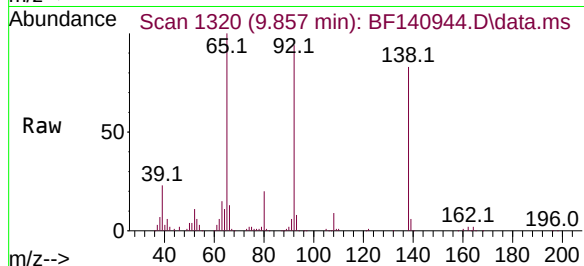
138 100

108 11.1 9.0 13.4

92 113.4 95.5 143.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

#54

2,4-Dinitrophenol

Concen: 73.697 ng

RT: 9.980 min Scan# 1341

Delta R.T. 0.011 min

Lab File: BF140944.D

Acq: 20 Dec 2024 12:07

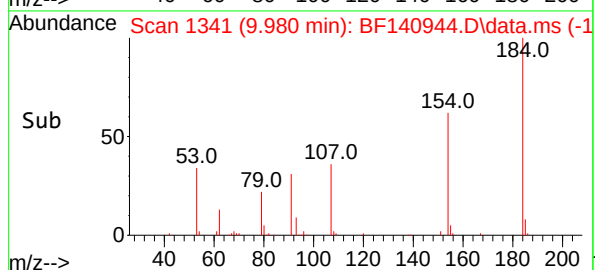
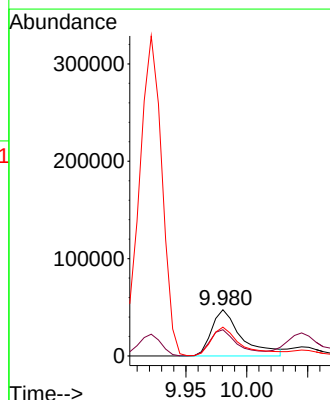
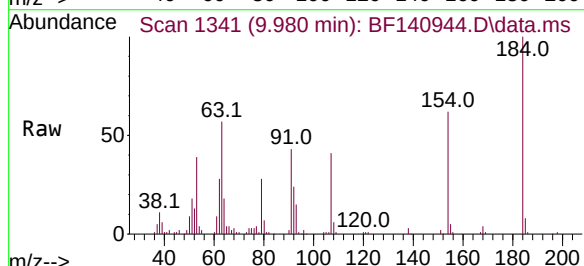
Tgt Ion:184 Resp: 81264

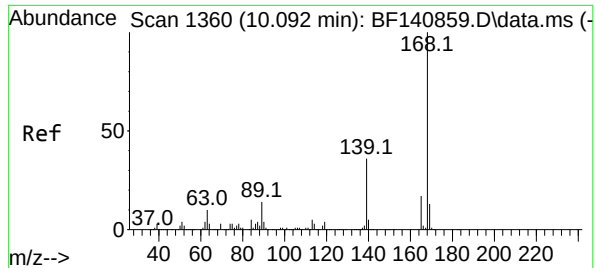
Ion Ratio Lower Upper

184 100

63 56.8 51.6 77.4

154 62.1 56.1 84.1





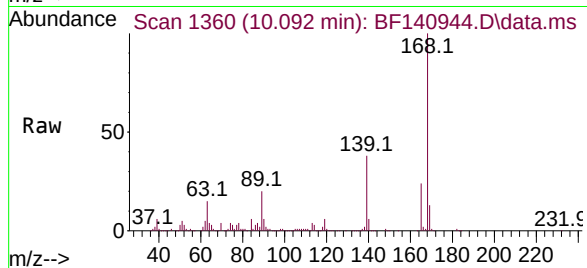
#55
Dibenzenofuran
Concen: 49.905 ng
RT: 10.092 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Instrument :

BNA_F

ClientSampleId :

PB165705BS

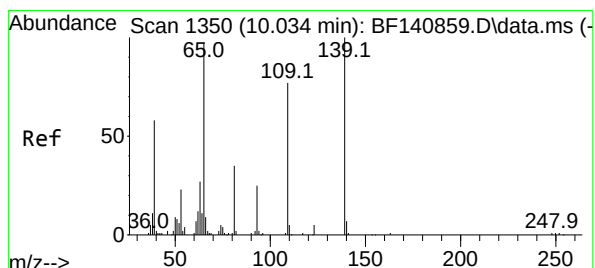
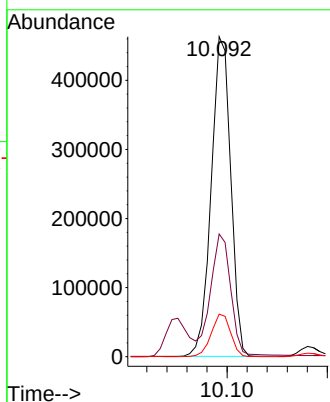
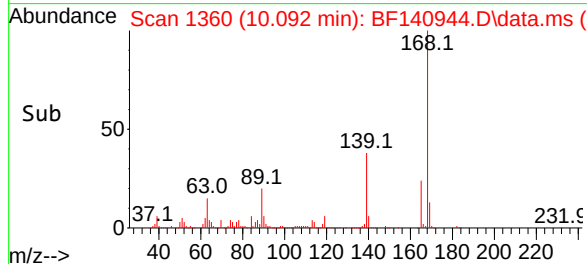


Tgt Ion:168 Resp: 623949
Ion Ratio Lower Upper
168 100
139 38.4 31.1 46.7
169 13.3 10.6 16.0

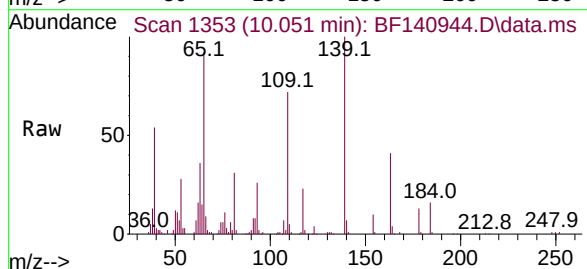
Manual Integrations

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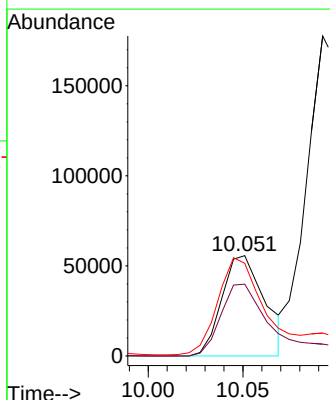
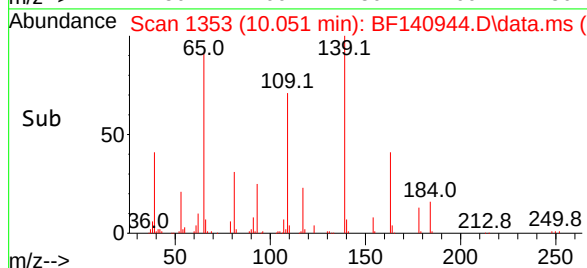
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

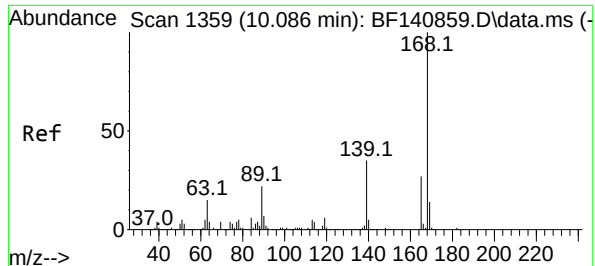


#56
4-Nitrophenol
Concen: 72.611 ng
RT: 10.051 min Scan# 1353
Delta R.T. 0.017 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07



Tgt Ion:139 Resp: 87740
Ion Ratio Lower Upper
139 100
109 71.7 56.7 96.7
65 92.4 78.1 118.1





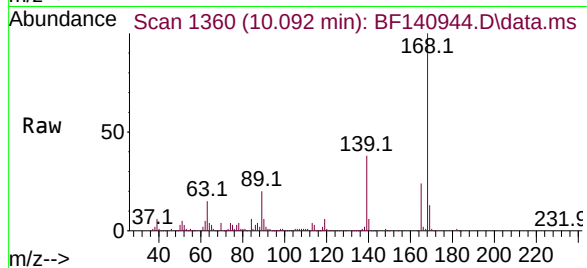
#57
2,4-Dinitrotoluene
Concen: 48.383 ng
RT: 10.092 min Scan# 14496
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Instrument :

BNA_F

ClientSampleId :

PB165705BS

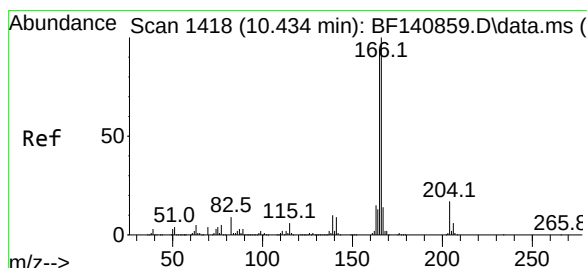
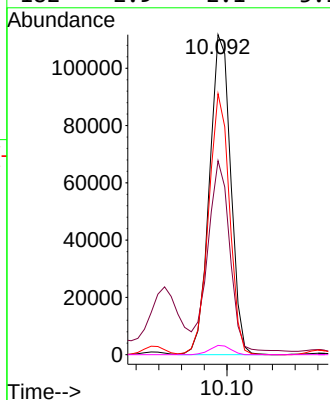
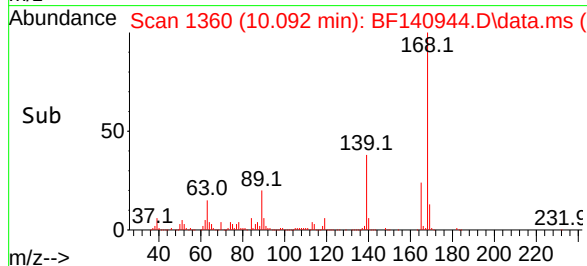


Tgt Ion:165 Resp: 14496
Ion Ratio Lower Upper
165 100
63 60.6 49.3 73.9
89 81.6 66.2 99.4
182 2.9 2.1 3.1

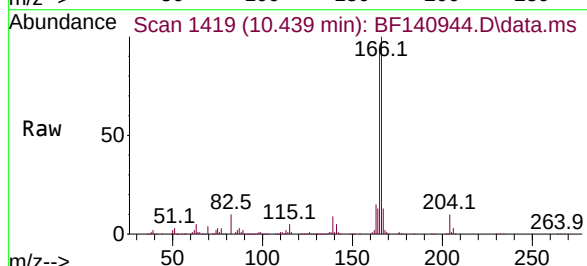
Manual Integrations

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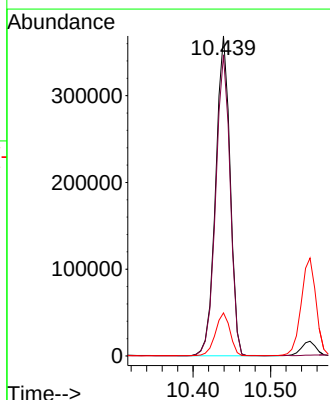
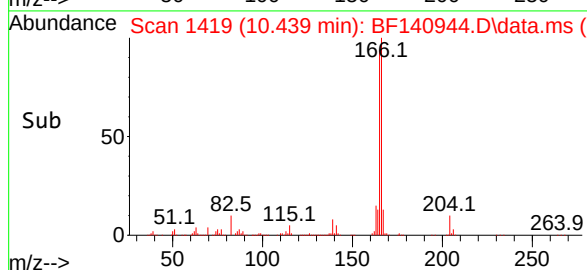
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

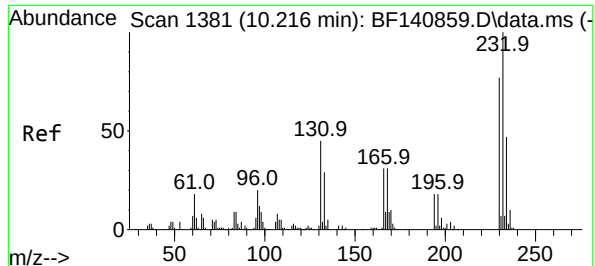


#58
Fluorene
Concen: 46.262 ng
RT: 10.439 min Scan# 1419
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07



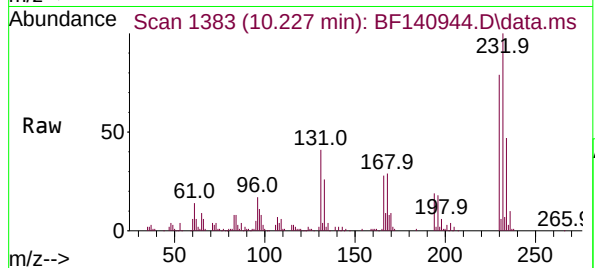
Tgt Ion:166 Resp: 477180
Ion Ratio Lower Upper
166 100
165 94.1 75.1 112.7
167 13.5 11.1 16.7





#59
2,3,4,6-Tetrachlorophenol
Concen: 53.557 ng
RT: 10.227 min Scan# 1383
Delta R.T. 0.012 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

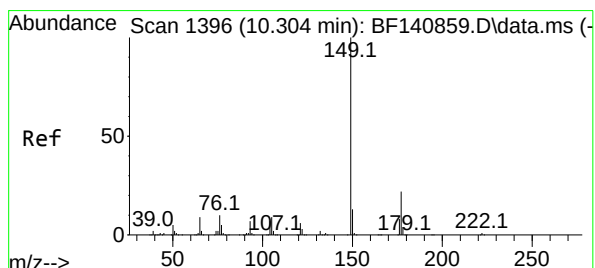
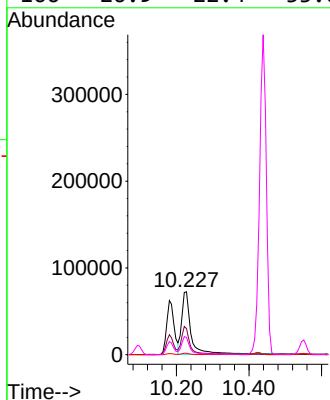
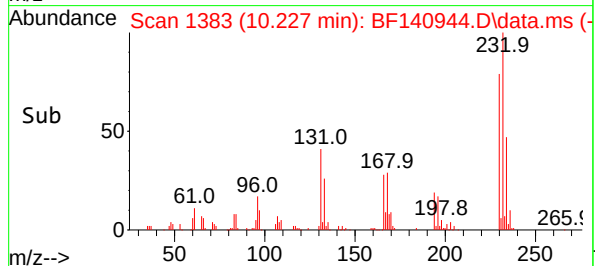
Instrument :
BNA_F
ClientSampleId :
PB165705BS



Tgt Ion:232 Resp: 127554
Ion Ratio Lower Upper
232 100
131 39.3 35.1 52.7
130 1.9 1.8 2.8
166 26.9 22.4 33.6

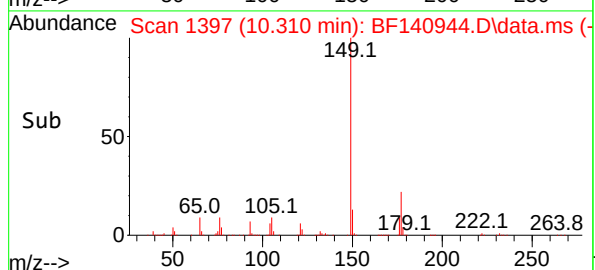
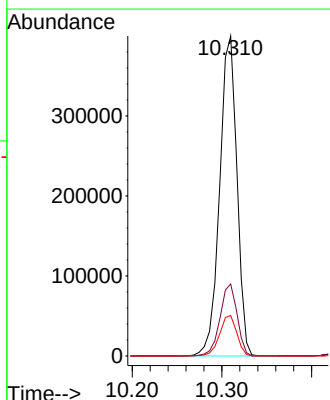
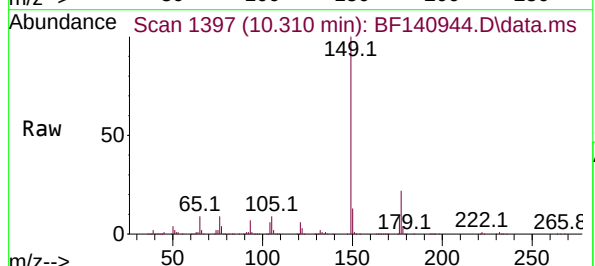
Manual Integrations
APPROVED

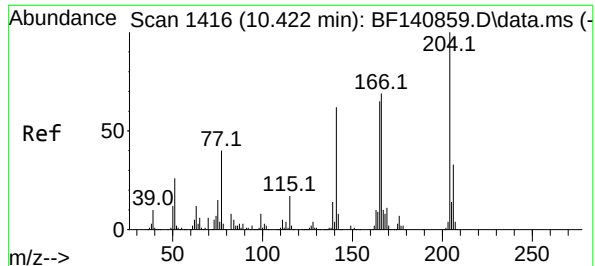
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#60
Diethylphthalate
Concen: 51.715 ng
RT: 10.310 min Scan# 1397
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

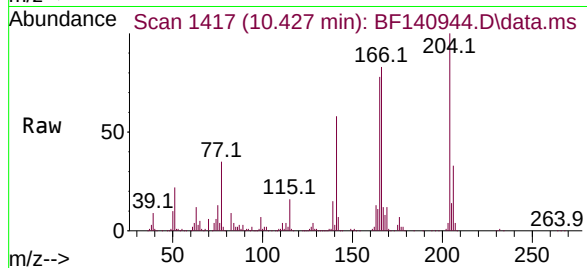
Tgt Ion:149 Resp: 534197
Ion Ratio Lower Upper
149 100
177 22.5 17.2 25.8
150 12.7 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 47.046 ng
RT: 10.427 min Scan# 1416
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

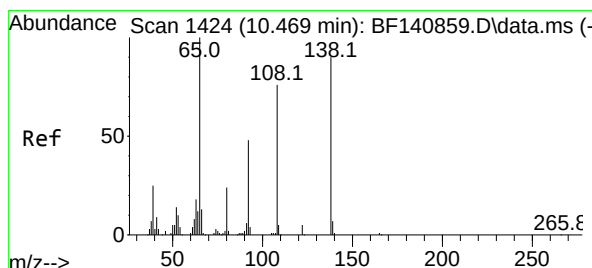
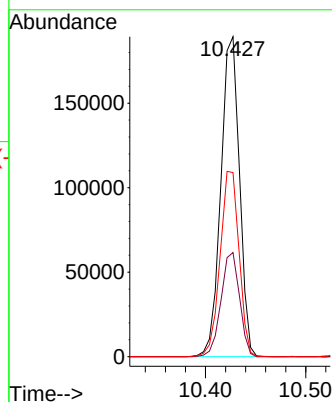
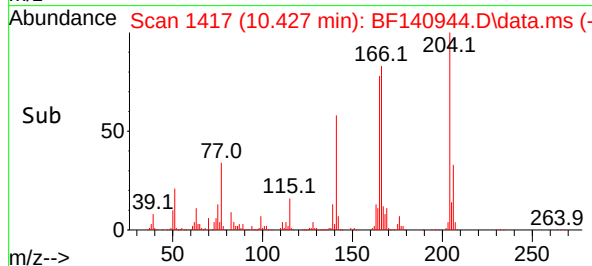
Instrument :
BNA_F
ClientSampleId :
PB165705BS



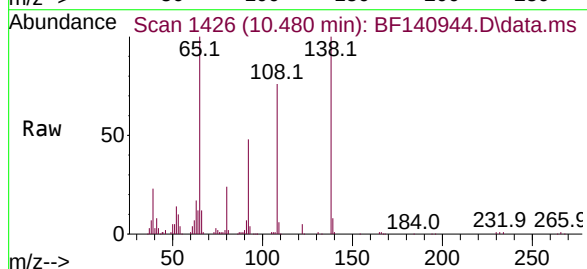
Tgt Ion:204 Resp: 24375
Ion Ratio Lower Upper
204 100
206 32.5 26.5 39.7
141 57.6 50.0 75.0

Manual Integrations
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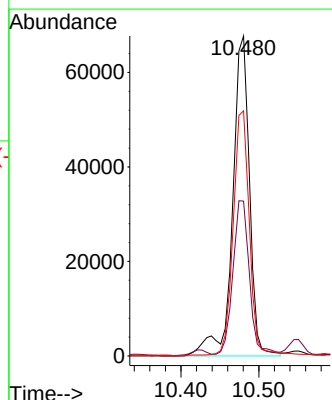
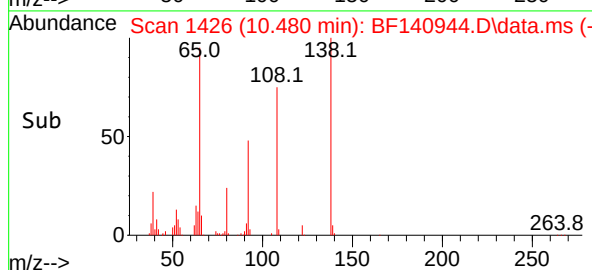
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

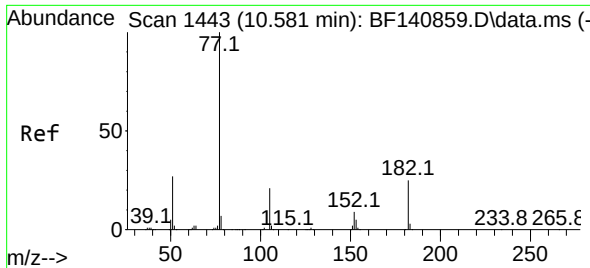


#62
4-Nitroaniline
Concen: 43.167 ng m
RT: 10.480 min Scan# 1426
Delta R.T. 0.012 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07



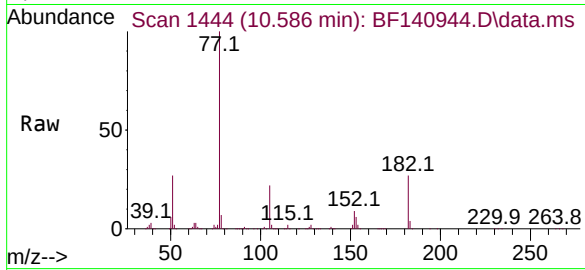
Tgt Ion:138 Resp: 101945
Ion Ratio Lower Upper
138 100
92 48.4 32.6 72.6
108 76.6 64.1 104.1





#63
Azobenzene
Concen: 44.427 ng
RT: 10.586 min Scan# 1443
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

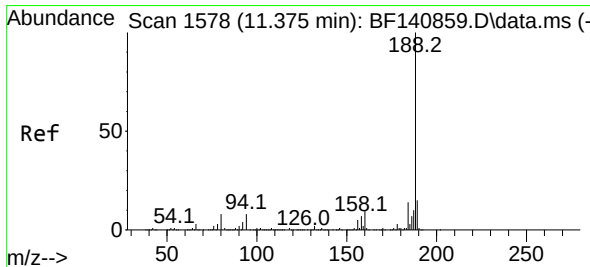
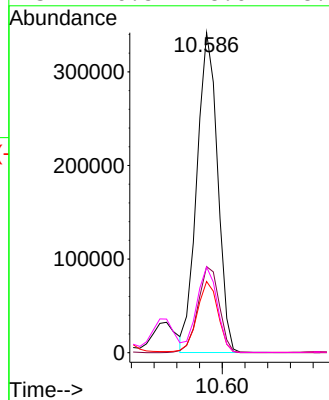
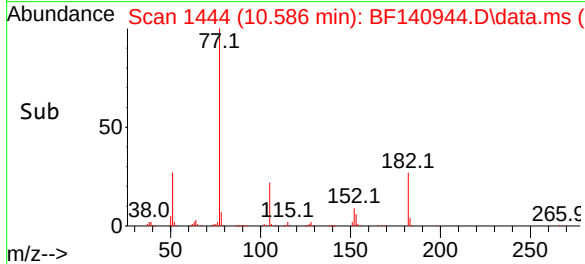
Instrument :
BNA_F
ClientSampleId :
PB165705BS



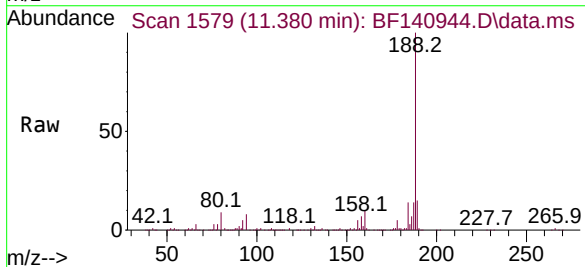
Tgt Ion: 77 Resp: 431430
Ion Ratio Lower Upper
77 100
182 26.9 4.5 44.5
105 22.2 0.9 40.9
51 26.8 8.6 48.6

Manual Integrations
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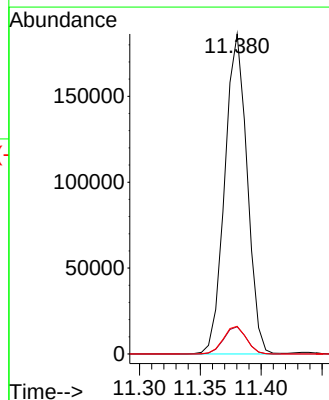
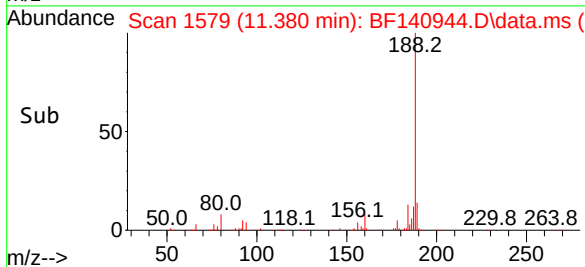
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

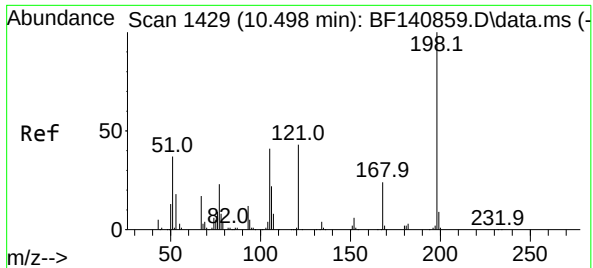


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.380 min Scan# 1579
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07



Tgt Ion:188 Resp: 237962
Ion Ratio Lower Upper
188 100
94 8.5 6.4 9.6
80 8.7 6.8 10.2





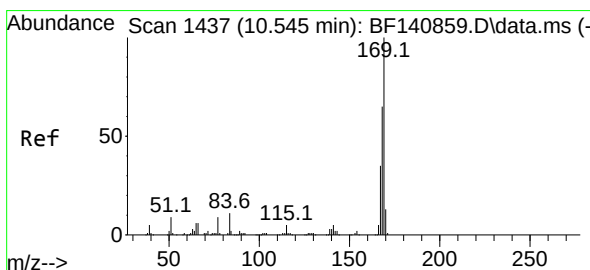
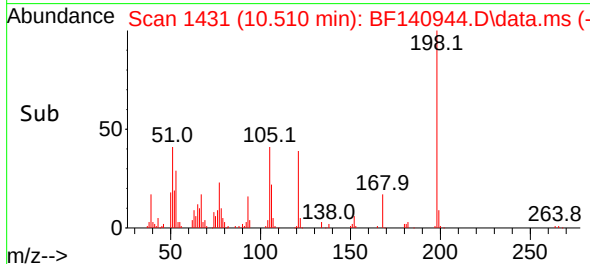
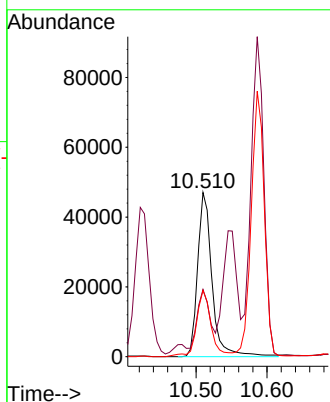
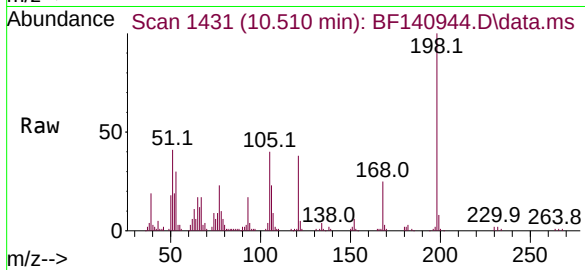
#65
4,6-Dinitro-2-methylphenol
Concen: 49.484 ng
RT: 10.510 min Scan# 1429
Delta R.T. 0.012 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Instrument :
BNA_F
ClientSampleId :
PB165705BS

Tgt Ion:198 Resp: 66725
Ion Ratio Lower Upper
198 100
51 40.9 24.4 64.4
105 40.4 22.1 62.1

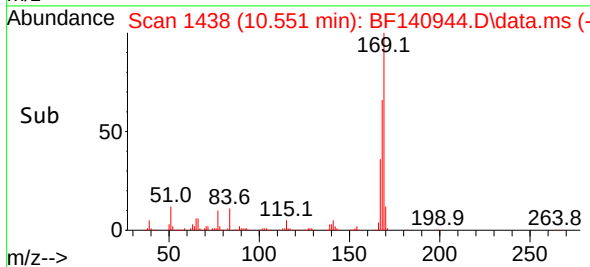
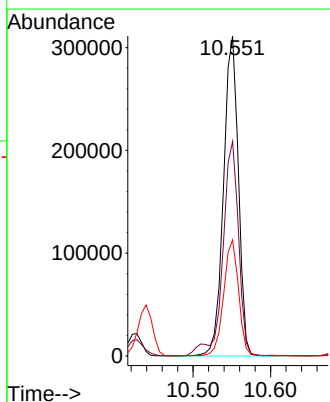
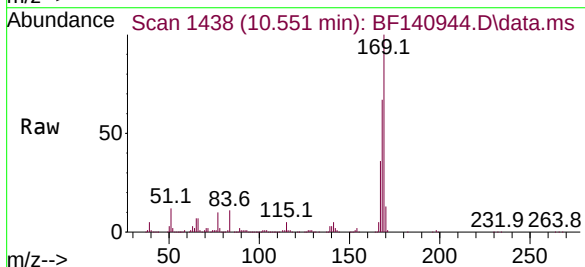
Manual Integrations
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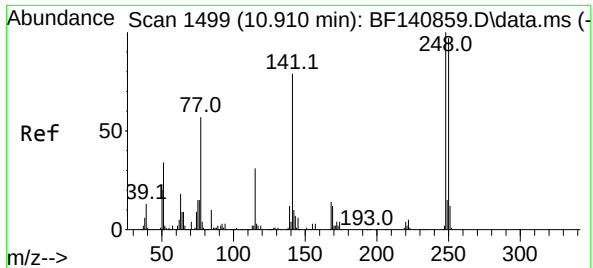
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#66
n-Nitrosodiphenylamine
Concen: 56.716 ng
RT: 10.551 min Scan# 1438
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

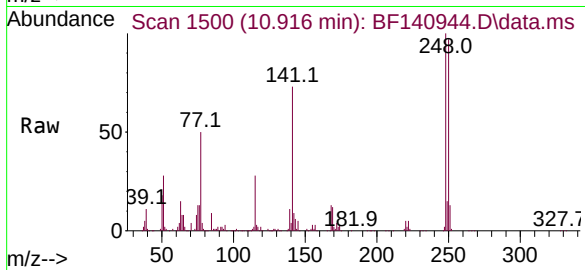
Tgt Ion:169 Resp: 414949
Ion Ratio Lower Upper
169 100
168 67.1 53.4 80.0
167 36.3 28.3 42.5





#67
4-Bromophenyl-phenylether
Concen: 55.009 ng
RT: 10.916 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

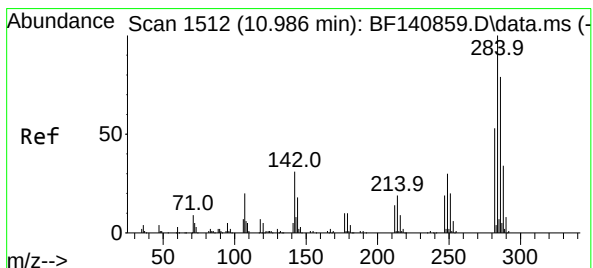
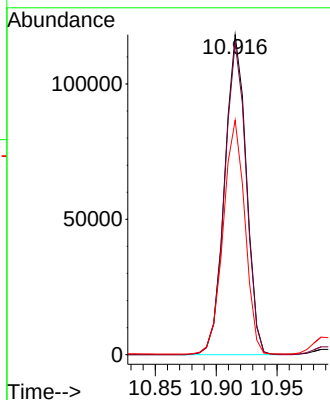
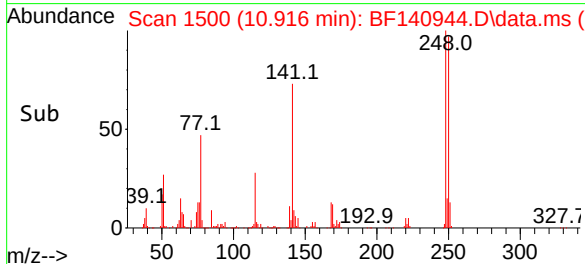
Instrument :
BNA_F
ClientSampleId :
PB165705BS



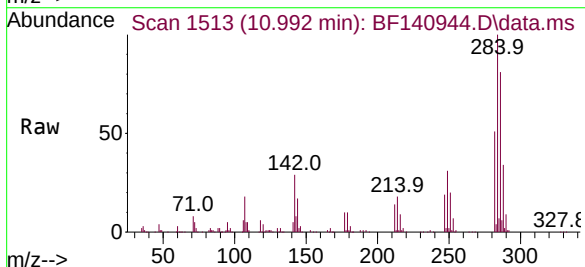
Tgt Ion:248 Resp: 14644
Ion Ratio Lower Upper
248 100
250 97.5 77.4 116.2
141 73.3 62.9 94.3

Manual Integrations
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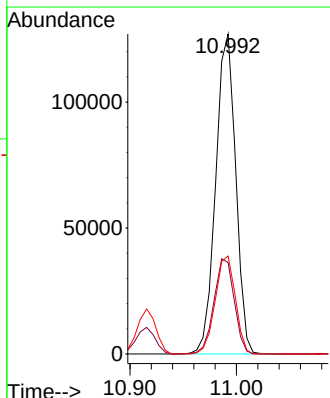
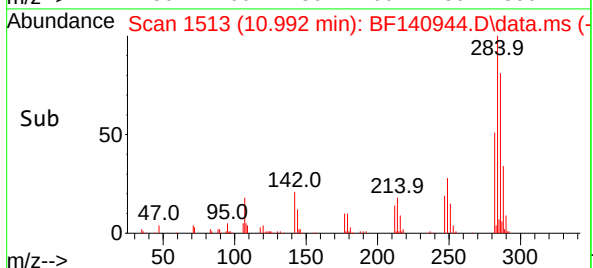
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

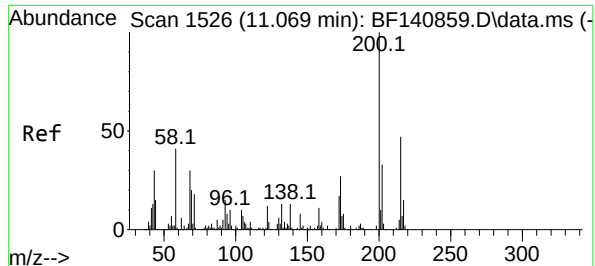


#68
Hexachlorobenzene
Concen: 54.744 ng
RT: 10.992 min Scan# 1513
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07



Tgt Ion:284 Resp: 165233
Ion Ratio Lower Upper
284 100
142 28.6 24.6 36.8
249 30.6 24.3 36.5





#69

Atrazine

Concen: 65.919 ng

RT: 11.080 min Scan# 1528

Delta R.T. 0.012 min

Lab File: BF140944.D

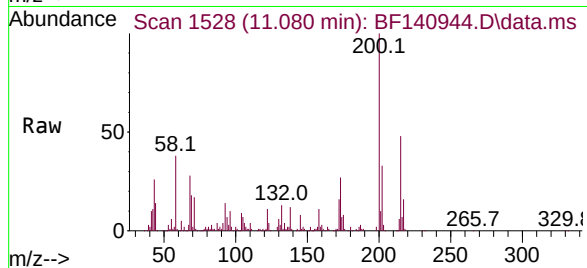
Acq: 20 Dec 2024 12:07

Instrument :

BNA_F

ClientSampleId :

PB165705BS

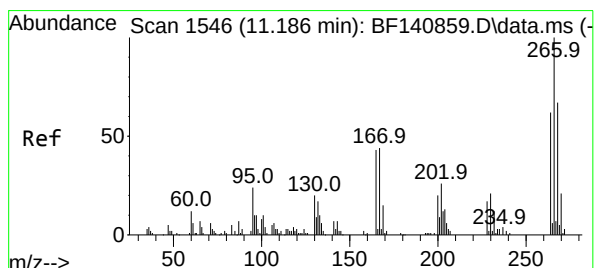
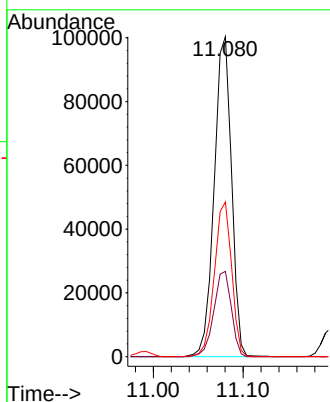


Tgt Ion:200	Resp:	13469
Ion Ratio	Lower	Upper
200	100	
173	26.7	6.6 46.6
215	48.4	26.7 66.7

Manual Integrations

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Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#70

Pentachlorophenol

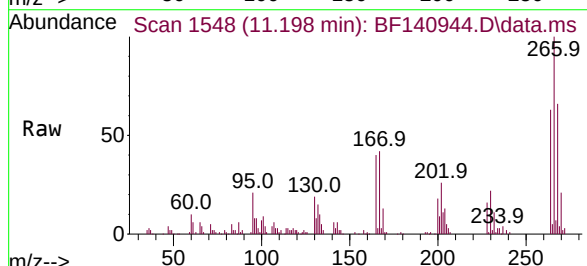
Concen: 85.812 ng

RT: 11.198 min Scan# 1548

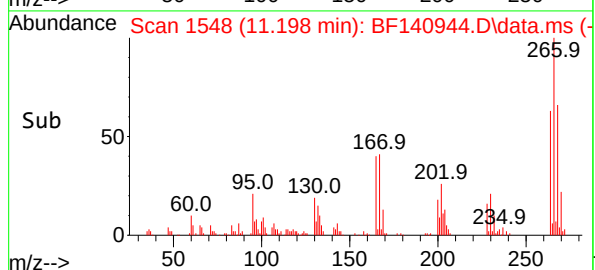
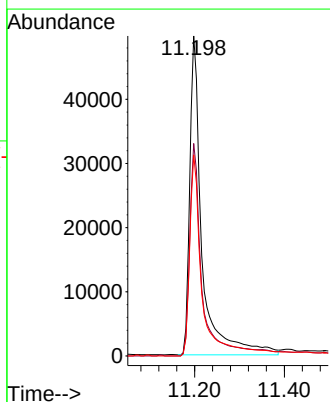
Delta R.T. 0.012 min

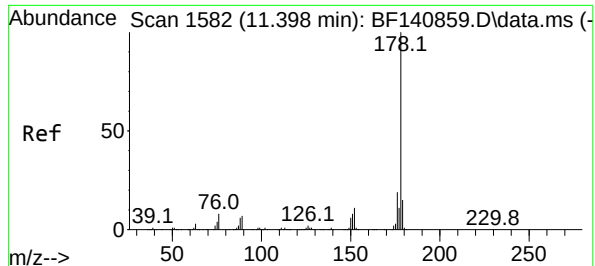
Lab File: BF140944.D

Acq: 20 Dec 2024 12:07



Tgt Ion:266	Resp:	94695
Ion Ratio	Lower	Upper
266	100	
268	66.4	54.0 81.0
264	62.9	49.4 74.2





#71

Phenanthrene

Concen: 57.320 ng

RT: 11.404 min Scan# 1582

Delta R.T. 0.006 min

Lab File: BF140944.D

Acq: 20 Dec 2024 12:07

Instrument :

BNA_F

ClientSampleId :

PB165705BS

Tgt Ion:178 Resp: 70142

Ion Ratio Lower Upper

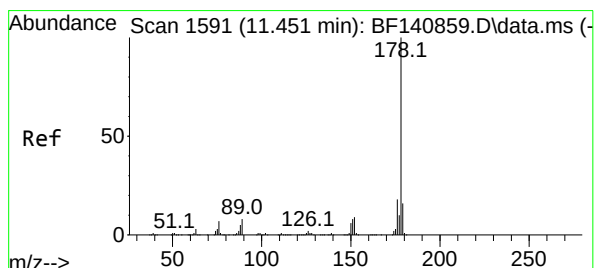
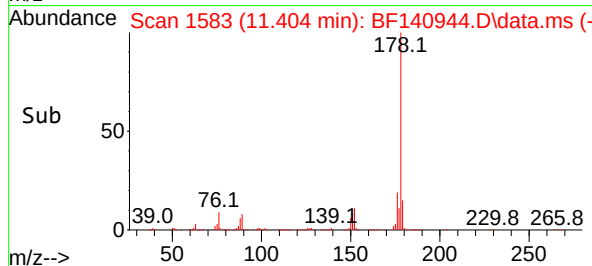
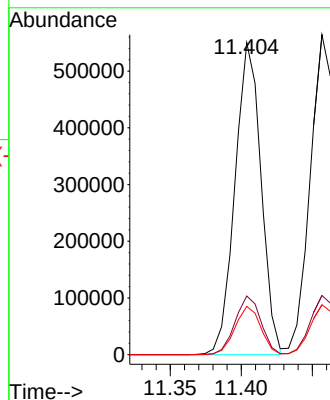
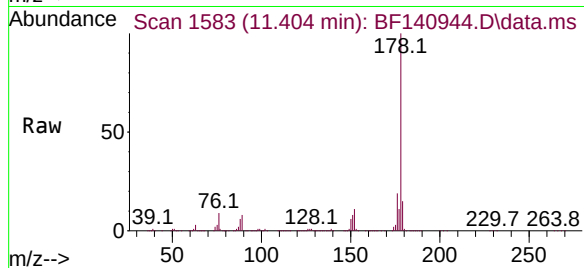
178 100

176 18.8 15.4 23.2

179 15.5 12.1 18.1

Manual Integrations

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Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

#72

Anthracene

Concen: 60.212 ng

RT: 11.457 min Scan# 1592

Delta R.T. 0.006 min

Lab File: BF140944.D

Acq: 20 Dec 2024 12:07

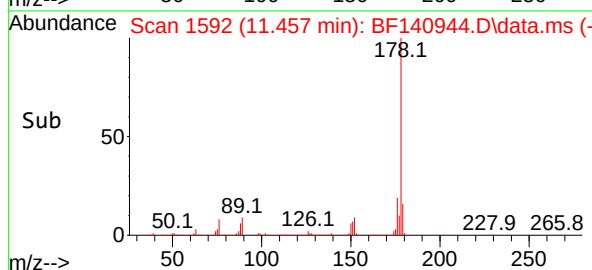
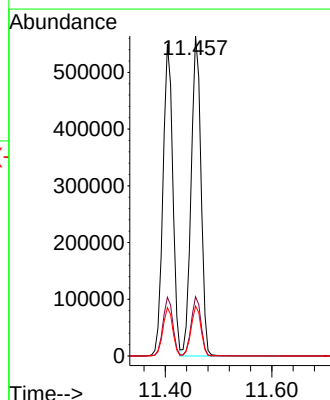
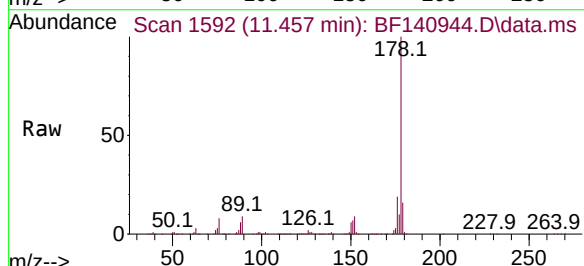
Tgt Ion:178 Resp: 725617

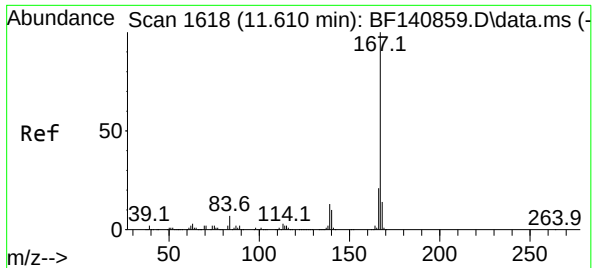
Ion Ratio Lower Upper

178 100

176 18.5 14.6 22.0

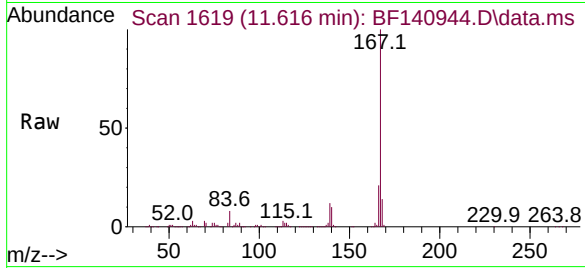
179 15.6 12.6 18.8





#73
 Carbazole
 Concen: 57.096 ng
 RT: 11.616 min Scan# 1619
 Delta R.T. 0.006 min
 Lab File: BF140944.D
 Acq: 20 Dec 2024 12:07

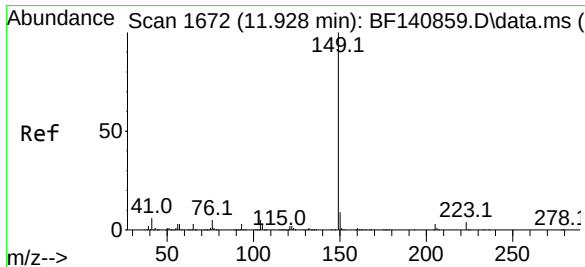
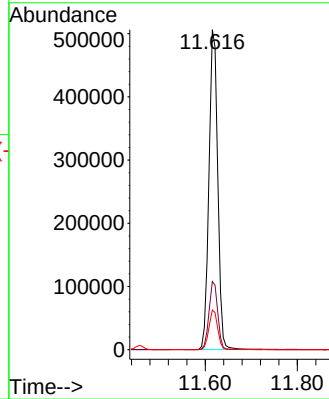
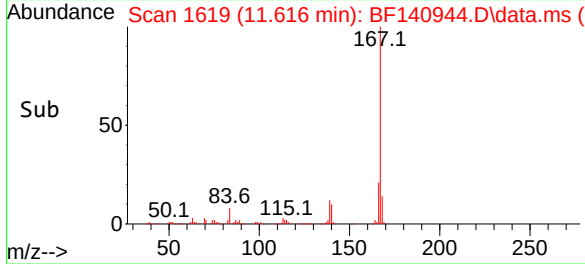
Instrument :
 BNA_F
 ClientSampleId :
 PB165705BS



Tgt Ion:167 Resp: 673948
 Ion Ratio Lower Upper
 167 100
 166 21.3 17.0 25.6
 139 12.4 10.2 15.2

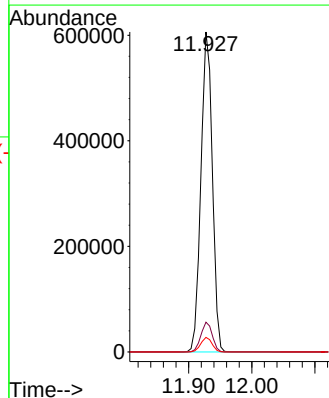
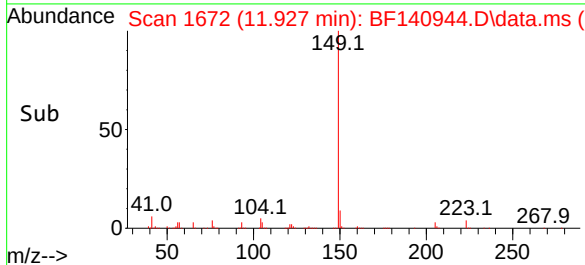
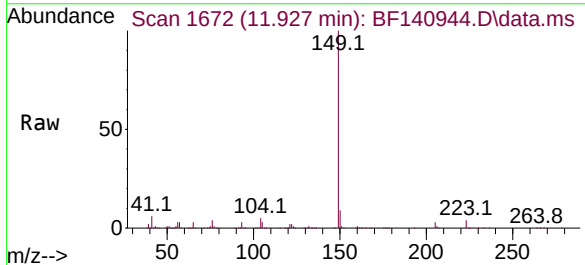
Manual Integrations
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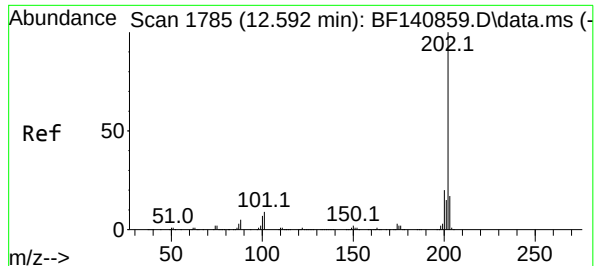
Reviewed By :Jagrut Upadhyay 12/23/2024
 Supervised By :mohammad ahmed 12/24/2024



#74
 Di-n-butylphthalate
 Concen: 55.119 ng
 RT: 11.927 min Scan# 1672
 Delta R.T. -0.000 min
 Lab File: BF140944.D
 Acq: 20 Dec 2024 12:07

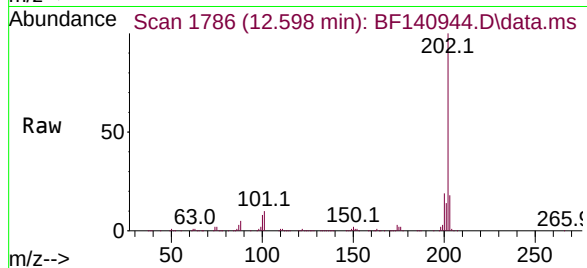
Tgt Ion:149 Resp: 763567
 Ion Ratio Lower Upper
 149 100
 150 9.3 7.5 11.3
 104 4.6 3.8 5.8





#75
Fluoranthene
Concen: 55.813 ng
RT: 12.598 min Scan# 1785
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

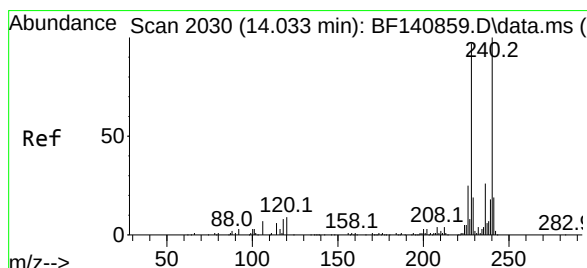
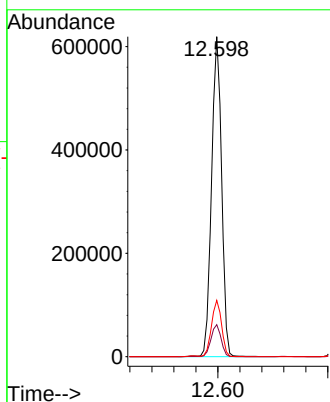
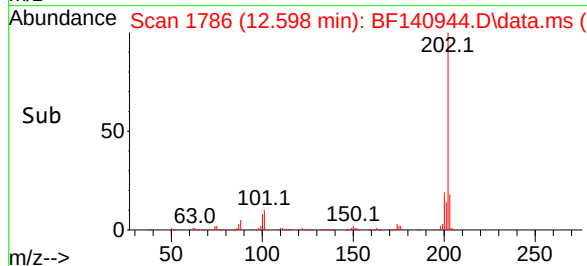
Instrument :
BNA_F
ClientSampleId :
PB165705BS



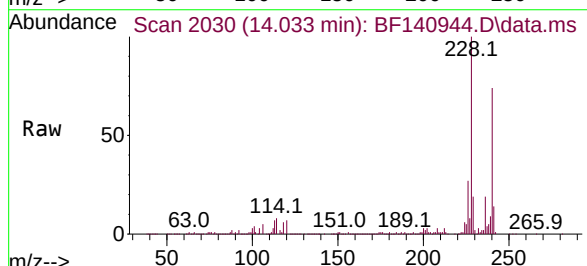
Tgt Ion:202 Resp: 786570
Ion Ratio Lower Upper
202 100
101 10.0 0.0 29.3
203 17.6 0.0 37.4

Manual Integrations
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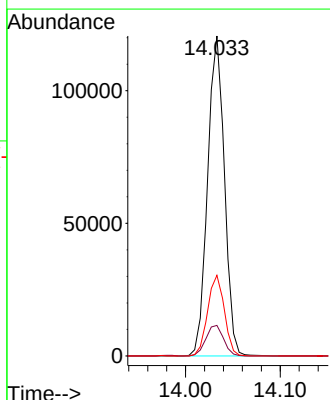
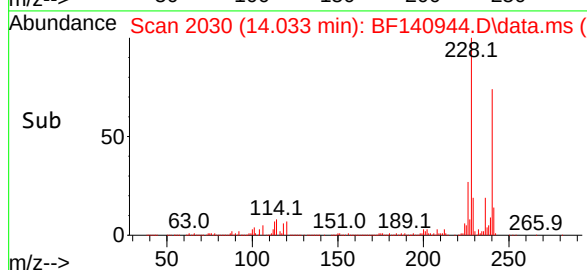
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

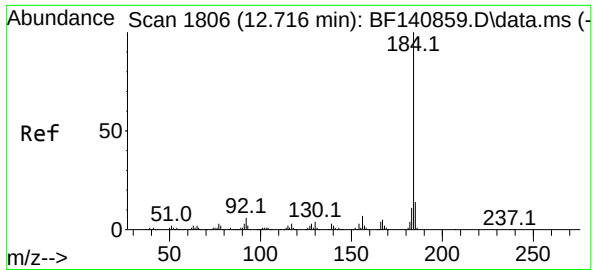


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07



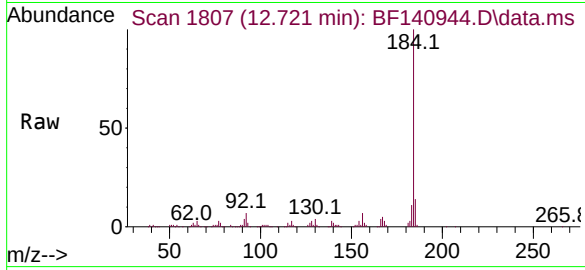
Tgt Ion:240 Resp: 149220
Ion Ratio Lower Upper
240 100
120 9.5 7.6 11.4
236 25.2 20.5 30.7





#77
Benzidine
Concen: 51.217 ng
RT: 12.721 min Scan# 1807
Delta R.T. 0.005 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

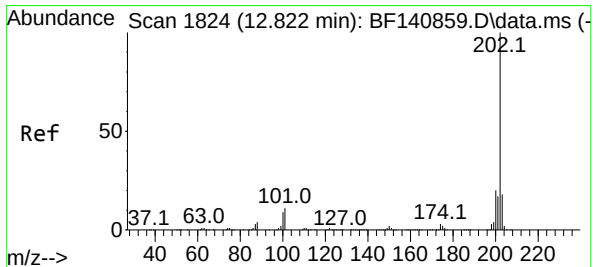
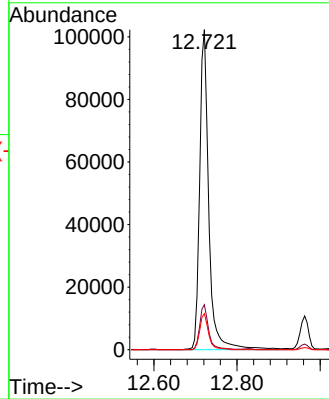
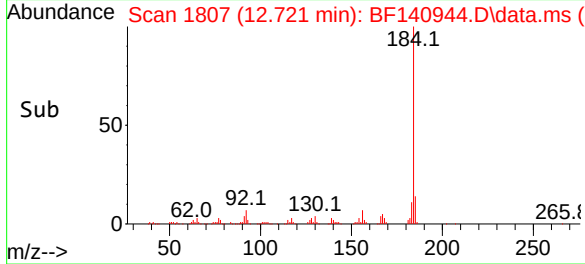
Instrument :
BNA_F
ClientSampleId :
PB165705BS



Tgt Ion:184 Resp: 15598
Ion Ratio Lower Upper
184 100
185 14.0 11.1 16.7
183 11.2 9.0 13.4

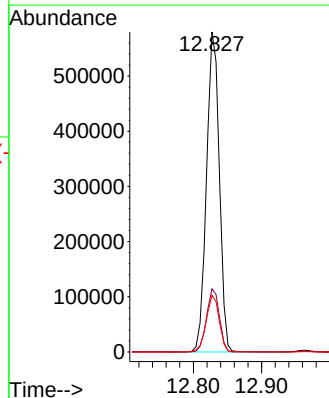
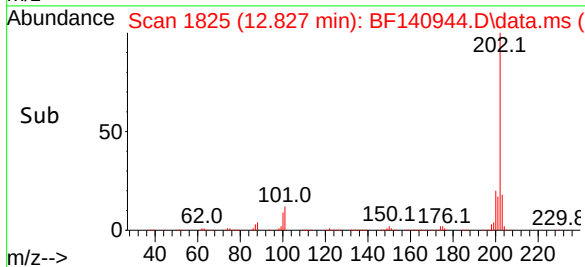
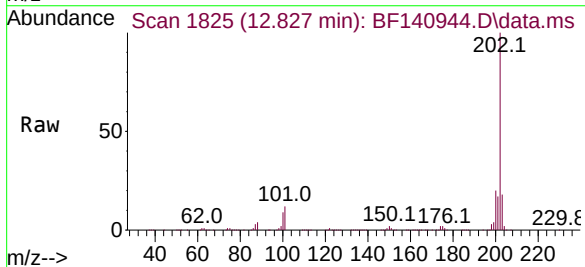
Manual Integrations
APPROVED

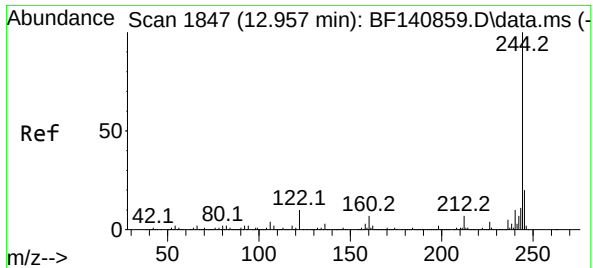
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#78
Pyrene
Concen: 57.177 ng
RT: 12.827 min Scan# 1825
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

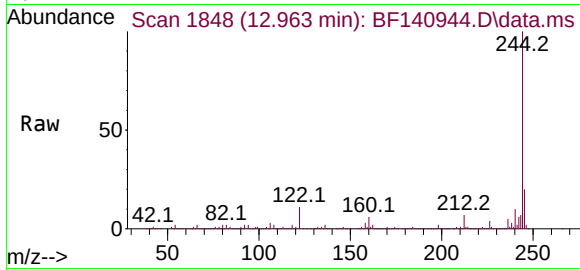
Tgt Ion:202 Resp: 758712
Ion Ratio Lower Upper
202 100
200 19.8 16.1 24.1
203 17.7 14.2 21.4





#79
Terphenyl-d14
Concen: 120.524 ng
RT: 12.963 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

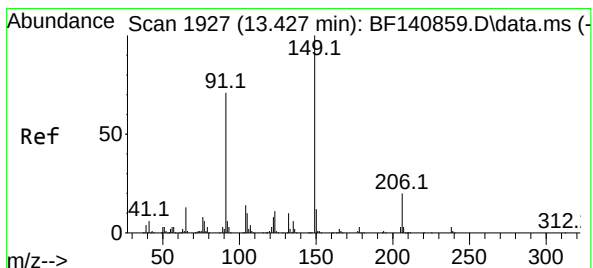
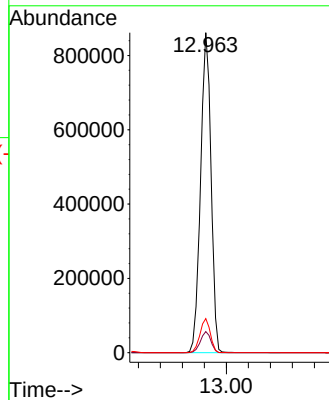
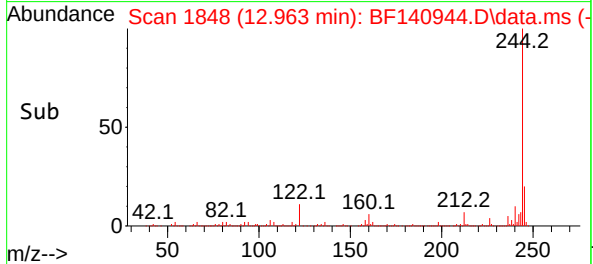
Instrument :
BNA_F
ClientSampleId :
PB165705BS



Tgt Ion:244 Resp: 1140520
Ion Ratio Lower Upper
244 100
212 6.6 5.6 8.4
122 10.6 8.2 12.2

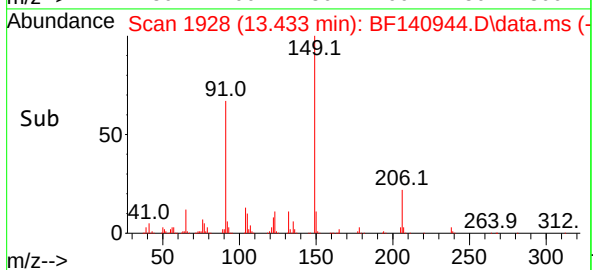
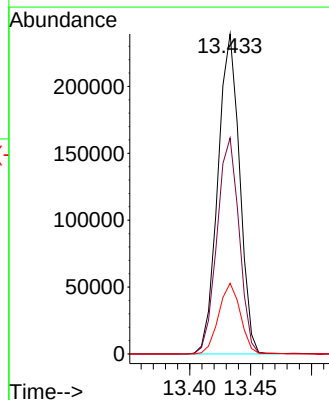
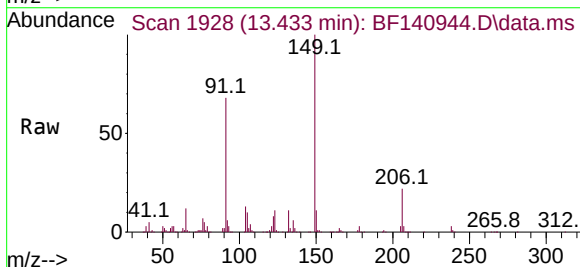
Manual Integrations
APPROVED

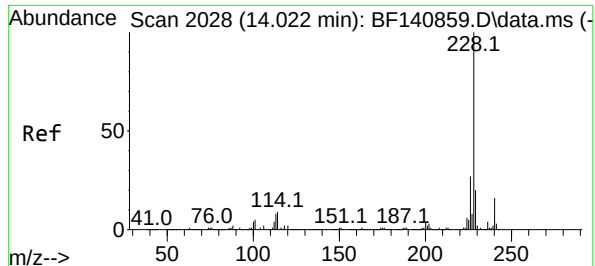
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#80
Butylbenzylphthalate
Concen: 60.922 ng
RT: 13.433 min Scan# 1928
Delta R.T. 0.006 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Tgt Ion:149 Resp: 297455
Ion Ratio Lower Upper
149 100
91 67.5 56.7 85.1
206 22.1 16.4 24.6





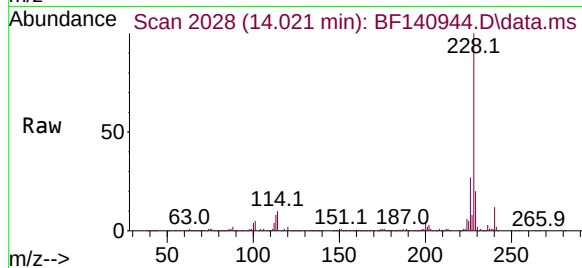
#81
Benzo(a)anthracene
Concen: 52.753 ng
RT: 14.021 min Scan# 2028
Delta R.T. -0.000 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

Instrument :

BNA_F

ClientSampleId :

PB165705BS

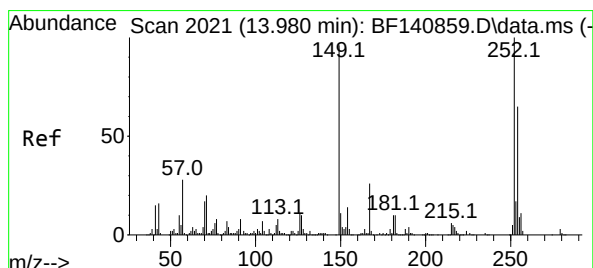
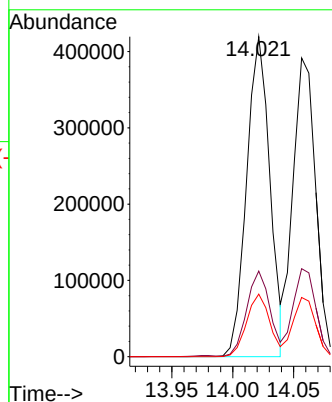
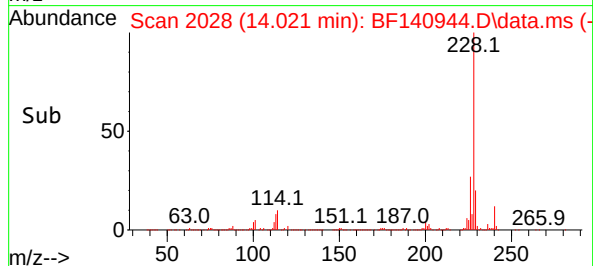


Tgt Ion:228 Resp: 55790
Ion Ratio Lower Upper
228 100
226 26.8 21.8 32.8
229 19.6 15.8 23.8

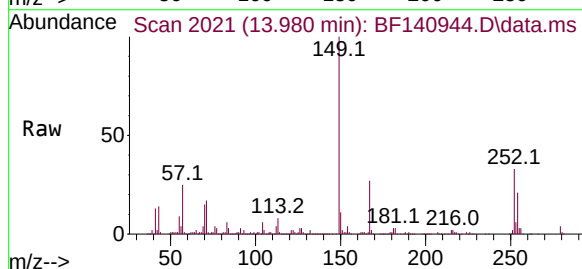
Manual Integrations

APPROVED

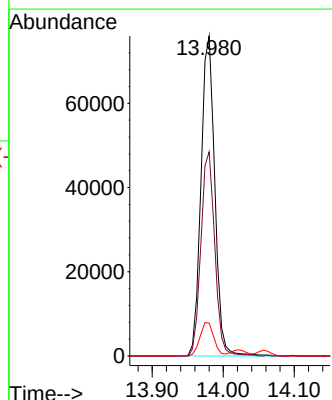
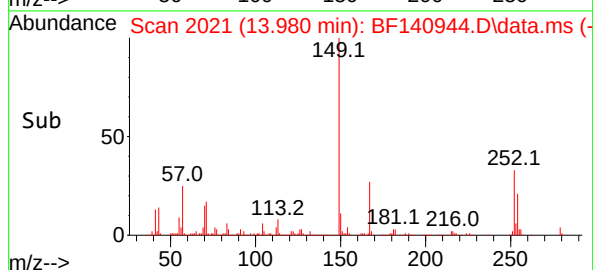
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

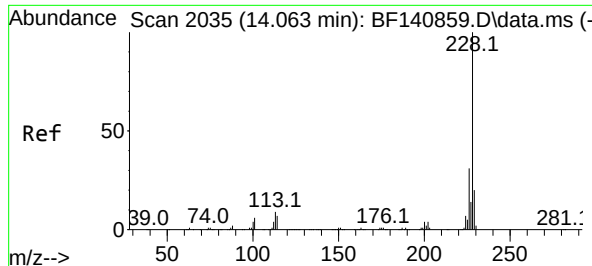


#82
3,3'-Dichlorobenzidine
Concen: 32.279 ng
RT: 13.980 min Scan# 2021
Delta R.T. -0.000 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07



Tgt Ion:252 Resp: 102996
Ion Ratio Lower Upper
252 100
254 63.8 52.3 78.5
126 10.3 8.4 12.6





#83

Chrysene

Concen: 52.875 ng

RT: 14.057 min Scan# 2035

Delta R.T. -0.006 min

Lab File: BF140944.D

Acq: 20 Dec 2024 12:07

Instrument :

BNA_F

ClientSampleId :

PB165705BS

Tgt Ion:228 Resp: 508492

Ion Ratio Lower Upper

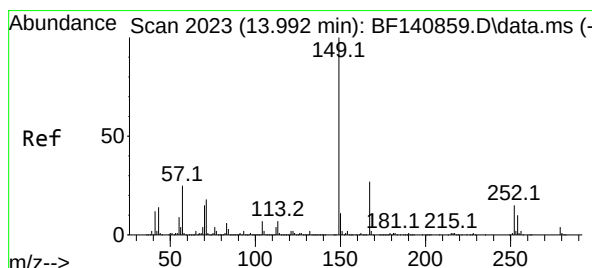
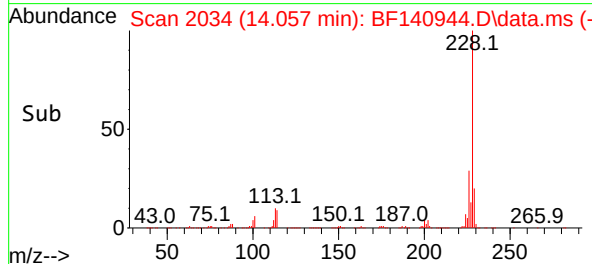
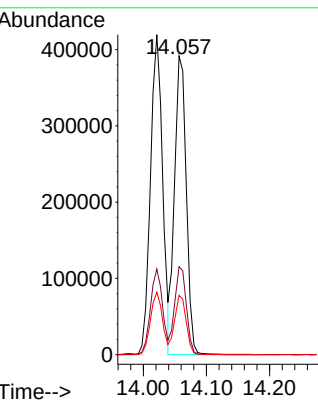
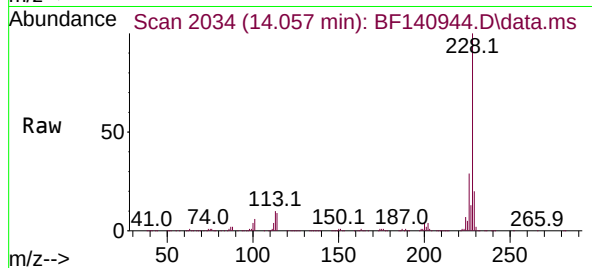
228 100

226 29.5 24.1 36.1

229 19.8 16.0 24.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

#84

Bis(2-ethylhexyl)phthalate

Concen: 53.941 ng

RT: 13.986 min Scan# 2022

Delta R.T. -0.006 min

Lab File: BF140944.D

Acq: 20 Dec 2024 12:07

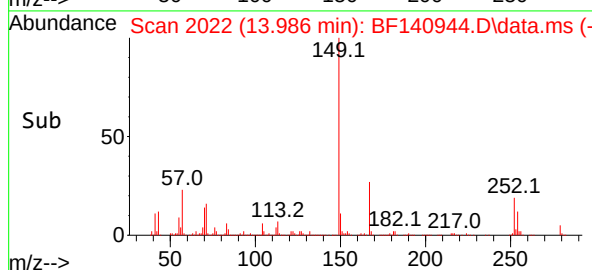
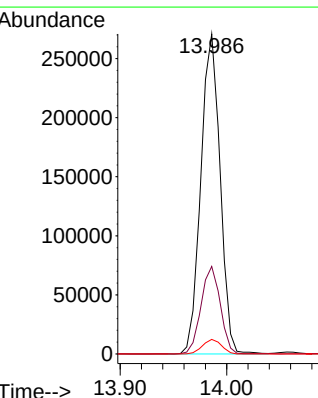
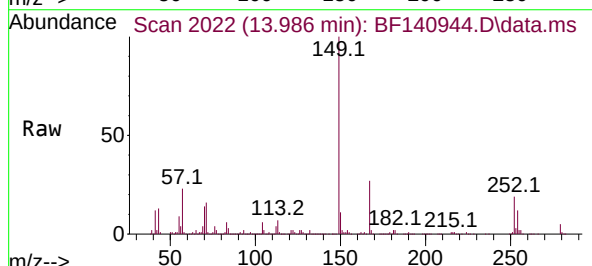
Tgt Ion:149 Resp: 339592

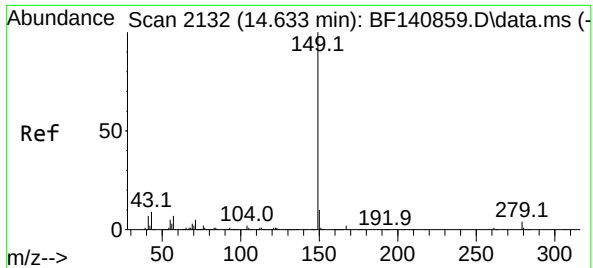
Ion Ratio Lower Upper

149 100

167 27.4 21.8 32.8

279 4.6 3.5 5.3





#85

Di-n-octyl phthalate

Concen: 47.866 ng

RT: 14.604 min Scan# 2132

Delta R.T. -0.030 min

Lab File: BF140944.D

Acq: 20 Dec 2024 12:07

Instrument :

BNA_F

ClientSampleId :

PB165705BS

Tgt Ion:149 Resp: 455909

Ion Ratio Lower Upper

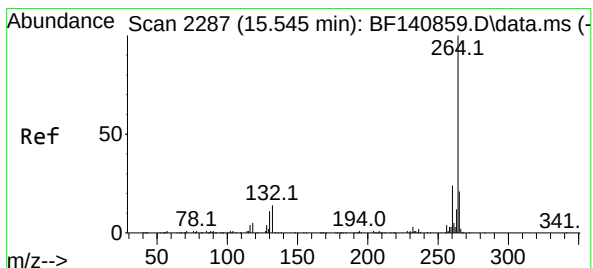
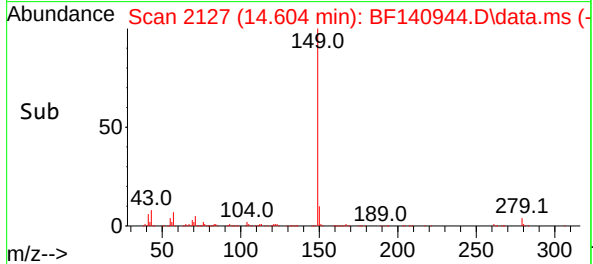
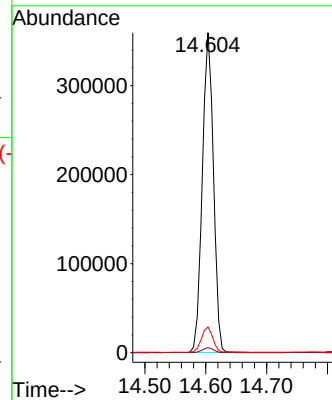
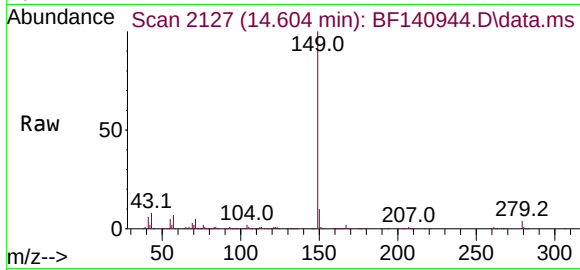
149 100

167 1.6 1.3 1.9

43 8.0 7.0 10.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

#86

Perylene-d12

Concen: 20.000 ng

RT: 15.521 min Scan# 2283

Delta R.T. -0.024 min

Lab File: BF140944.D

Acq: 20 Dec 2024 12:07

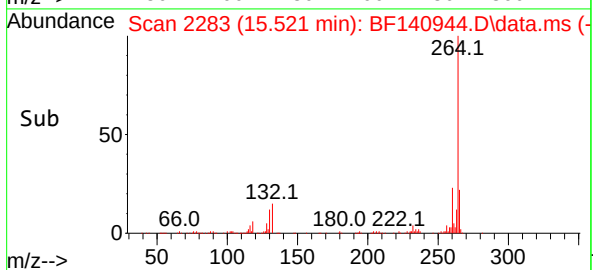
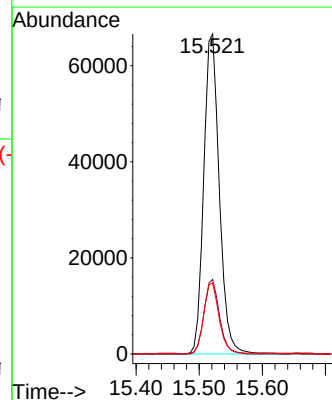
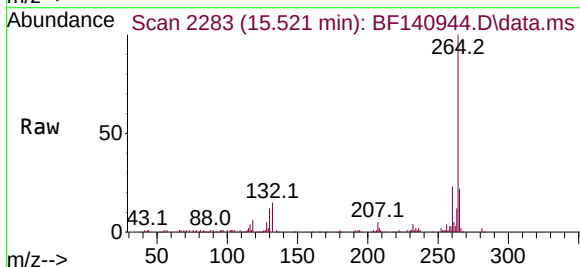
Tgt Ion:264 Resp: 113763

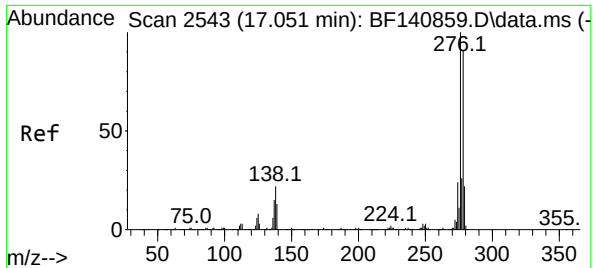
Ion Ratio Lower Upper

264 100

260 23.3 19.1 28.7

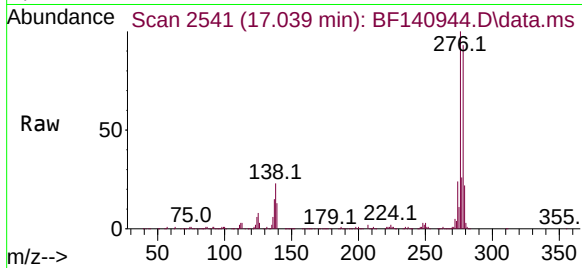
265 22.2 17.0 25.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 65.266 ng
RT: 17.039 min Scan# 2109
Delta R.T. -0.012 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07

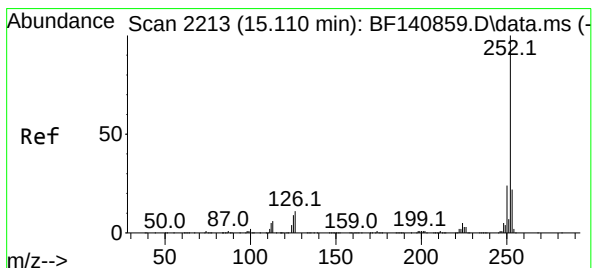
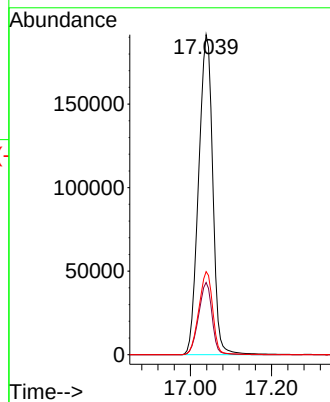
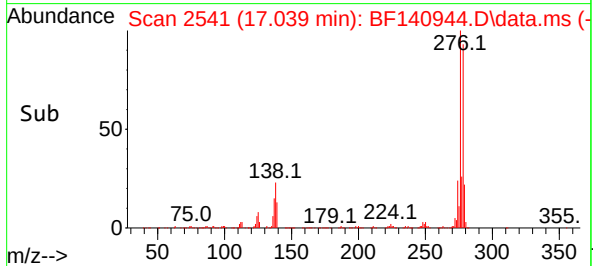
Instrument :
BNA_F
ClientSampleId :
PB165705BS



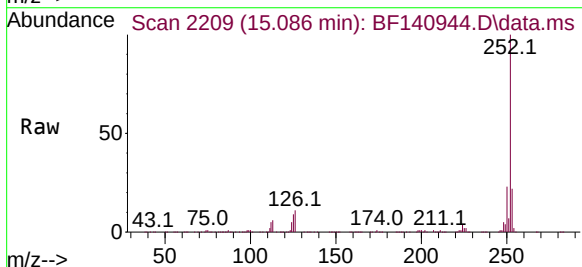
Tgt Ion:276 Resp: 463330
Ion Ratio Lower Upper
276 100
138 21.5 16.9 25.3
277 25.4 20.2 30.4

Manual Integrations
APPROVED

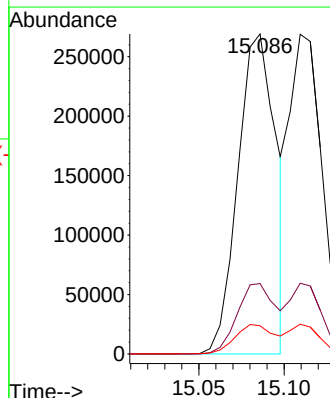
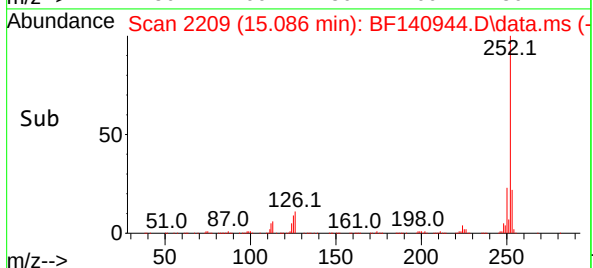
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

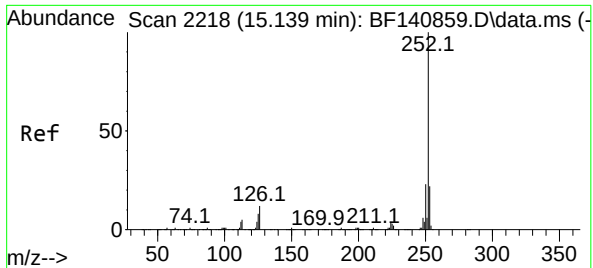


#88
Benzo(b)fluoranthene
Concen: 52.828 ng
RT: 15.086 min Scan# 2209
Delta R.T. -0.024 min
Lab File: BF140944.D
Acq: 20 Dec 2024 12:07



Tgt Ion:252 Resp: 417172
Ion Ratio Lower Upper
252 100
253 22.0 17.8 26.6
125 8.8 7.0 10.4





#89

Benzo(k)fluoranthene

Concen: 53.216 ng

RT: 15.109 min Scan# 21

Delta R.T. -0.030 min

Lab File: BF140944.D

Acq: 20 Dec 2024 12:07

Instrument :

BNA_F

ClientSampleId :

PB165705BS

Tgt Ion:252 Resp: 36048

Ion Ratio Lower Upper

252 100

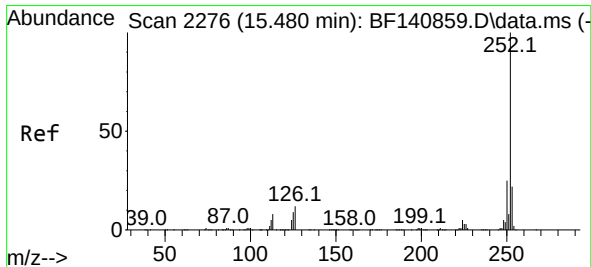
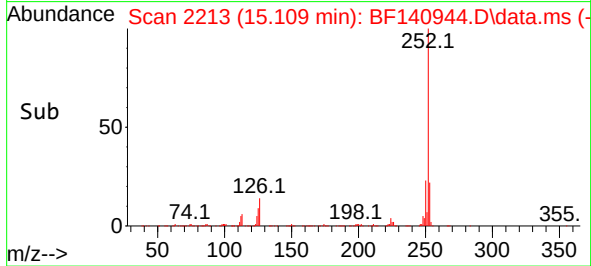
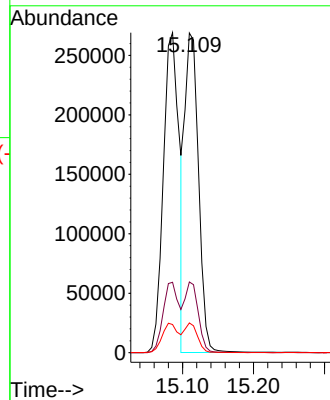
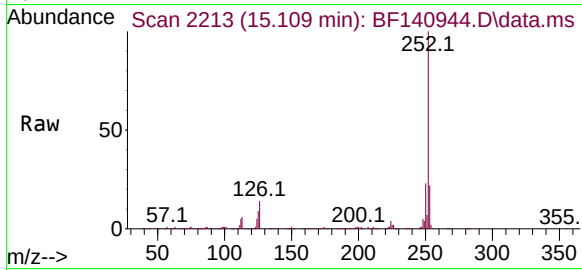
253 22.1 17.5 26.3

125 9.3 6.8 10.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
 Supervised By :mohammad ahmed 12/24/2024



#90

Benzo(a)pyrene

Concen: 58.181 ng

RT: 15.456 min Scan# 2272

Delta R.T. -0.024 min

Lab File: BF140944.D

Acq: 20 Dec 2024 12:07

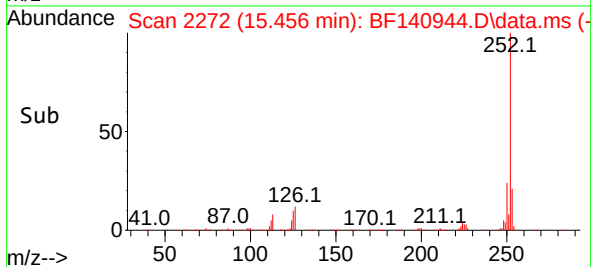
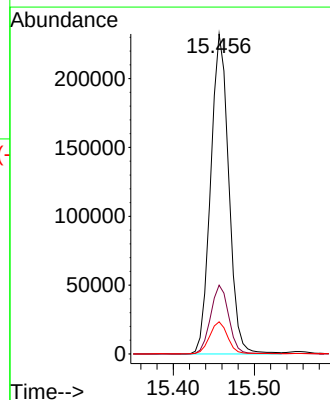
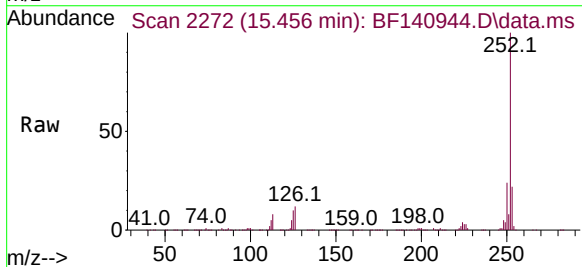
Tgt Ion:252 Resp: 359761

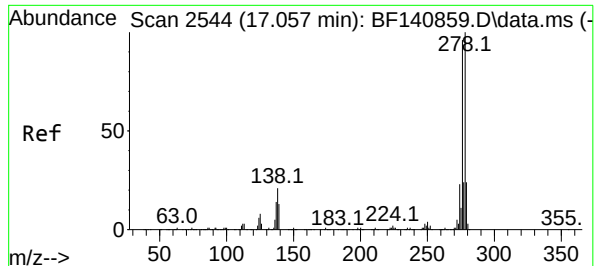
Ion Ratio Lower Upper

252 100

253 21.5 17.5 26.3

125 10.0 7.5 11.3





#91

Dibenzo(a,h)anthracene

Concen: 64.223 ng

RT: 17.039 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF140944.D

Acq: 20 Dec 2024 12:07

Instrument :

BNA_F

ClientSampleId :

PB165705BS

Tgt Ion:278 Resp: 377710

Ion Ratio Lower Upper

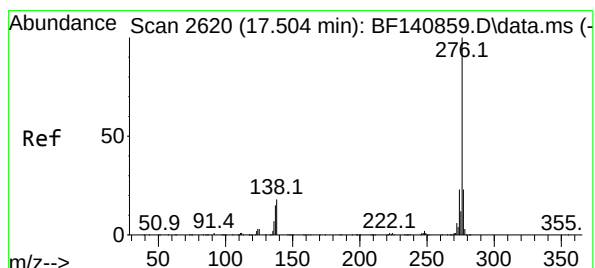
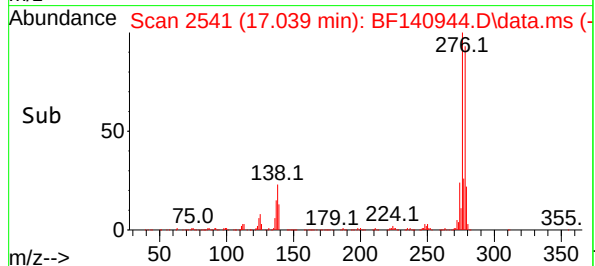
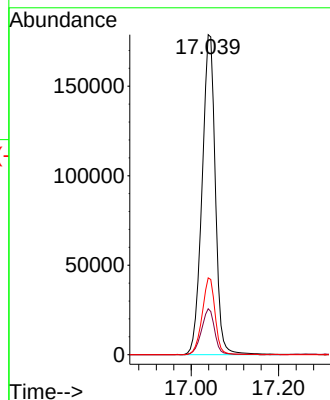
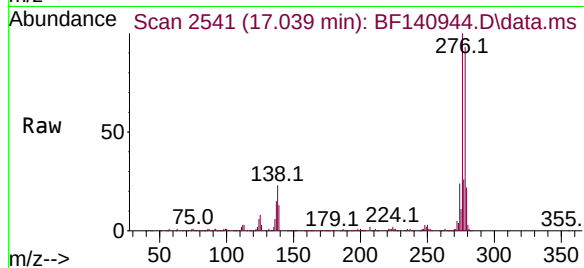
278 100

139 14.4 10.6 16.0

279 24.0 19.2 28.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

#92

Benzo(g,h,i)perylene

Concen: 63.386 ng

RT: 17.492 min Scan# 2618

Delta R.T. -0.012 min

Lab File: BF140944.D

Acq: 20 Dec 2024 12:07

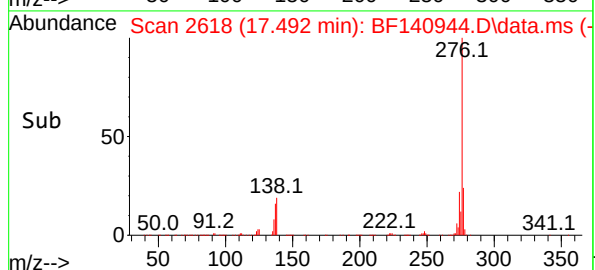
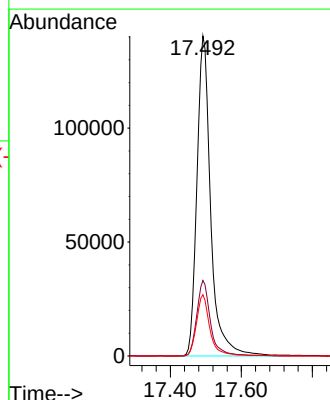
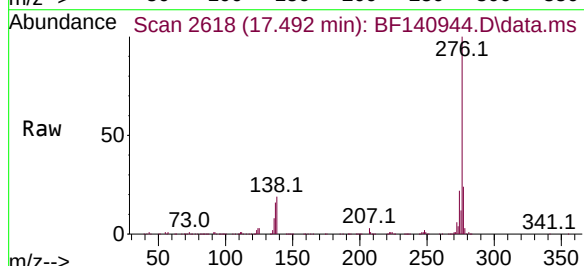
Tgt Ion:276 Resp: 379421

Ion Ratio Lower Upper

276 100

277 23.6 18.7 28.1

138 19.2 14.2 21.2



Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/12/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-11-121224MS	SDG No.:	P5299
Lab Sample ID:	P5306-09MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.6
Sample Wt/Vol:	30.1 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
BF140948.D	1	12/18/24 08:56	12/20/24 14:10	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	550		190	350	ug/Kg
108-95-2	Phenol	2000		88.3	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1900		89.1	180	ug/Kg
95-57-8	2-Chlorophenol	2000		88.9	180	ug/Kg
95-48-7	2-Methylphenol	1900		85.8	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1800		96.8	180	ug/Kg
98-86-2	Acetophenone	1900		92.5	180	ug/Kg
65794-96-9	3+4-Methylphenols	2000		85.0	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1900		42.9	85.2	ug/Kg
67-72-1	Hexachloroethane	1700		88.4	180	ug/Kg
98-95-3	Nitrobenzene	1800		96.7	180	ug/Kg
78-59-1	Isophorone	1800		90.1	180	ug/Kg
88-75-5	2-Nitrophenol	2000		100	180	ug/Kg
105-67-9	2,4-Dimethylphenol	2300		99.2	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1800		91.4	180	ug/Kg
120-83-2	2,4-Dichlorophenol	1900		80.4	180	ug/Kg
91-20-3	Naphthalene	1800		88.0	180	ug/Kg
106-47-8	4-Chloroaniline	810		88.0	180	ug/Kg
87-68-3	Hexachlorobutadiene	1600		88.7	180	ug/Kg
105-60-2	Caprolactam	2000		92.4	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1700		82.5	180	ug/Kg
91-57-6	2-Methylnaphthalene	1700		87.8	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1500		170	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1800		76.0	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1800		78.8	180	ug/Kg
92-52-4	1,1-Biphenyl	1800		93.1	180	ug/Kg
91-58-7	2-Chloronaphthalene	1800		88.7	180	ug/Kg
88-74-4	2-Nitroaniline	1800		100	180	ug/Kg
131-11-3	Dimethylphthalate	1800		87.0	180	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/12/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-11-121224MS	SDG No.:	P5299
Lab Sample ID:	P5306-09MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.6
Sample Wt/Vol:	30.1 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
BF140948.D	1	12/18/24 08:56	12/20/24 14:10	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	2000		92.1	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	1800		88.6	180	ug/Kg
99-09-2	3-Nitroaniline	1100		95.0	180	ug/Kg
83-32-9	Acenaphthene	1900		86.4	180	ug/Kg
51-28-5	2,4-Dinitrophenol	3400	E	260	350	ug/Kg
100-02-7	4-Nitrophenol	3000	E	120	350	ug/Kg
132-64-9	Dibenzofuran	1900		89.9	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	1900		91.8	180	ug/Kg
84-66-2	Diethylphthalate	1700		85.3	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1800		91.1	180	ug/Kg
86-73-7	Fluorene	1800		91.0	180	ug/Kg
100-01-6	4-Nitroaniline	1800		110	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2000		120	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	2000		86.9	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1800		84.0	180	ug/Kg
118-74-1	Hexachlorobenzene	1800		90.5	180	ug/Kg
1912-24-9	Atrazine	2200		97.3	180	ug/Kg
87-86-5	Pentachlorophenol	2800		82.3	350	ug/Kg
85-01-8	Phenanthrene	2000		89.4	180	ug/Kg
120-12-7	Anthracene	1900		89.9	180	ug/Kg
86-74-8	Carbazole	1900		85.5	180	ug/Kg
84-74-2	Di-n-butylphthalate	1800		89.8	180	ug/Kg
206-44-0	Fluoranthene	1700		87.0	180	ug/Kg
129-00-0	Pyrene	2000		88.4	180	ug/Kg
85-68-7	Butylbenzylphthalate	1900		100	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1000		100	350	ug/Kg
56-55-3	Benzo(a)anthracene	1900		85.9	180	ug/Kg
218-01-9	Chrysene	1800		84.7	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1700		96.9	180	ug/Kg
117-84-0	Di-n-octyl phthalate	1500		120	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	1700		86.4	180	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/12/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-11-121224MS	SDG No.:	P5299
Lab Sample ID:	P5306-09MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.6
Sample Wt/Vol:	30.1 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
BF140948.D	1	12/18/24 08:56	12/20/24 14:10	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	2000		88.0	180	ug/Kg
50-32-8	Benzo(a)pyrene	2000		99.0	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2400		83.2	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	2300		86.5	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	2200		85.3	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1800		92.4	180	ug/Kg
123-91-1	1,4-Dioxane	1400		120	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1900		79.5	180	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	131		30 (18) - 130 (112)	88%	SPK: 150
13127-88-3	Phenol-d6	134		30 (15) - 130 (107)	90%	SPK: 150
4165-60-0	Nitrobenzene-d5	89.0		30 (18) - 130 (107)	89%	SPK: 100
321-60-8	2-Fluorobiphenyl	84.0		30 (20) - 130 (109)	84%	SPK: 100
118-79-6	2,4,6-Tribromophenol	122		30 (10) - 130 (116)	82%	SPK: 150
1718-51-0	Terphenyl-d14	91.0		30 (10) - 130 (105)	91%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	55400	6.851			
1146-65-2	Naphthalene-d8	209000	8.128			
15067-26-2	Acenaphthene-d10	116000	9.886			
1517-22-2	Phenanthrene-d10	219000	11.38			
1719-03-5	Chrysene-d12	133000	14.033			
1520-96-3	Perylene-d12	114000	15.521			

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_F\Data\BF122024\
 Data File : BF140948.D
 Acq On : 20 Dec 2024 14:10
 Operator : RC/JU
 Sample : P5306-09MS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OU4-VSL-11-121224MS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
 Supervised By :mohammad ahmed 12/24/2024

Quant Time: Dec 20 14:38:33 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 16 16:59:50 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	55385	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	209218	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	115521	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	219277	20.000	ng	0.00
76) Chrysene-d12	14.033	240	133308	20.000	ng	0.00
86) Perylene-d12	15.521	264	114231	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	442109	131.406	ng	0.01
7) Phenol-d6	6.504	99	599050	134.430	ng	0.00
23) Nitrobenzene-d5	7.416	82	372228	89.012	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	167201	122.376	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	705412	83.953	ng	0.00
79) Terphenyl-d14	12.963	244	769721	91.048	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.710	88	57898	39.952	ng	98
3) Pyridine	3.487	79	147343	43.903	ng	98
4) n-Nitrosodimethylamine	3.440	42	73891	43.674	ng	95
6) Aniline	6.516	93	152345	39.984	ng	# 72
8) 2-Chlorophenol	6.645	128	202633	55.230	ng	99
9) Benzaldehyde	6.410	77	38178	15.462	ng	92
10) Phenol	6.516	94	259118	56.104	ng	97
11) bis(2-Chloroethyl)ether	6.587	93	180043	52.272	ng	99
12) 1,3-Dichlorobenzene	6.787	146	210487	50.348	ng	98
13) 1,4-Dichlorobenzene	6.869	146	216818	51.092	ng	98
14) 1,2-Dichlorobenzene	7.016	146	203761	50.890	ng	99
15) Benzyl Alcohol	7.004	79	175492	55.078	ng	94
16) 2,2'-oxybis(1-Chloropr...	7.116	45	208259	51.327	ng	91
17) 2-Methylphenol	7.122	107	160183	54.685	ng	99
18) Hexachloroethane	7.351	117	77377	48.978	ng	97
19) n-Nitroso-di-n-propyla...	7.263	70	140269	52.475	ng	97
20) 3+4-Methylphenols	7.275	107	218873	56.350	ng	# 80
22) Acetophenone	7.263	105	281478	53.782	ng	94
24) Nitrobenzene	7.440	77	213867	49.921	ng	95
25) Isophorone	7.675	82	358474	51.161	ng	99
26) 2-Nitrophenol	7.751	139	110125	55.813	ng	95
27) 2,4-Dimethylphenol	7.792	122	151216	65.624	ng	99
28) bis(2-Chloroethoxy)met...	7.875	93	221616	50.641	ng	99
29) 2,4-Dichlorophenol	8.004	162	170278	53.525	ng	99
30) 1,2,4-Trichlorobenzene	8.075	180	174689	47.901	ng	99
31) Naphthalene	8.151	128	576356	50.150	ng	100
32) Benzoic acid	7.945	122	79916	36.568	ng	95
33) 4-Chloroaniline	8.210	127	86711	22.717	ng	98
34) Hexachlorobutadiene	8.263	225	112396	45.808	ng	99
35) Caprolactam	8.592	113	52938m	55.895	ng	
36) 4-Chloro-3-methylphenol	8.704	107	176282	49.233	ng	100
37) 2-Methylnaphthalene	8.845	142	369738	48.635	ng	100
38) 1-Methylnaphthalene	8.945	142	347475	46.215	ng	100
40) 1,2,4,5-Tetrachloroben...	9.010	216	184825	52.053	ng	99
41) Hexachlorocyclopentadiene	8.992	237	34644	40.992	ng	98
43) 2,4,6-Trichlorophenol	9.134	196	110805	50.964	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
 Data File : BF140948.D
 Acq On : 20 Dec 2024 14:10
 Operator : RC/JU
 Sample : P5306-09MS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OU4-VSL-11-121224MS

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
 Supervised By :mohammad ahmed 12/24/2024

Quant Time: Dec 20 14:38:33 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 16 16:59:50 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.187	196	117901	49.337	ng	99
46) 1,1'-Biphenyl	9.304	154	472666	51.455	ng	99
47) 2-Chloronaphthalene	9.334	162	352165	50.113	ng	99
48) 2-Nitroaniline	9.439	65	109079	51.395	ng	94
49) Acenaphthylene	9.751	152	576620	55.834	ng	99
50) Dimethylphthalate	9.604	163	409034	50.222	ng	100
51) 2,6-Dinitrotoluene	9.681	165	92478	49.668	ng	94
52) Acenaphthene	9.922	154	351200	53.237	ng	99
53) 3-Nitroaniline	9.857	138	55538	30.057	ng	94
54) 2,4-Dinitrophenol	9.981	184	87671	95.155	ng	90
55) Dibenzofuran	10.092	168	537457	52.577	ng	99
56) 4-Nitrophenol	10.045	139	83327	83.625	ng	98
57) 2,4-Dinitrotoluene	10.092	165	127795	52.166	ng	98
58) Fluorene	10.439	166	428757	50.841	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.222	232	101786	52.272	ng	92
60) Diethylphthalate	10.304	149	405299	47.990	ng	99
61) 4-Chlorophenyl-phenyle...	10.422	204	212840	50.243	ng	96
62) 4-Nitroaniline	10.475	138	98375m	50.949	ng	
63) Azobenzene	10.586	77	429196	54.056	ng	94
65) 4,6-Dinitro-2-methylph...	10.510	198	70374	56.637	ng	94
66) n-Nitrosodiphenylamine	10.545	169	372378	55.234	ng	100
67) 4-Bromophenyl-phenylether	10.916	248	124883	50.908	ng	97
68) Hexachlorobenzene	10.986	284	138231	49.700	ng	98
69) Atrazine	11.075	200	116856	62.062	ng	99
70) Pentachlorophenol	11.198	266	78972	77.662	ng	98
71) Phenanthrene	11.404	178	628319	55.721	ng	99
72) Anthracene	11.457	178	597017	53.762	ng	100
73) Carbazole	11.616	167	569460	52.355	ng	99
74) Di-n-butylphthalate	11.928	149	638255	49.999	ng	99
75) Fluoranthene	12.598	202	637105	49.060	ng	100
77) Benzidine	12.722	184	125211	46.021	ng	99
78) Pyrene	12.827	202	665883	56.171	ng	99
80) Butylbenzylphthalate	13.433	149	231762	53.133	ng	96
81) Benzo(a)anthracene	14.021	228	492886	52.168	ng	99
82) 3,3'-Dichlorobenzidine	13.980	252	81414	28.561	ng	97
83) Chrysene	14.057	228	441907	51.436	ng	99
84) Bis(2-ethylhexyl)phtha...	13.986	149	267856	47.624	ng	99
85) Di-n-octyl phthalate	14.604	149	365090	42.906	ng	98
87) Indeno(1,2,3-cd)pyrene	17.039	276	474317	66.539	ng	99
88) Benzo(b)fluoranthene	15.086	252	381086	48.060	ng	100
89) Benzo(k)fluoranthene	15.116	252	373879	54.968	ng	100
90) Benzo(a)pyrene	15.457	252	355872	57.316	ng	99
91) Dibenzo(a,h)anthracene	17.039	278	390092	66.055	ng	99
92) Benzo(g,h,i)perylene	17.498	276	373367	62.119	ng	99

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

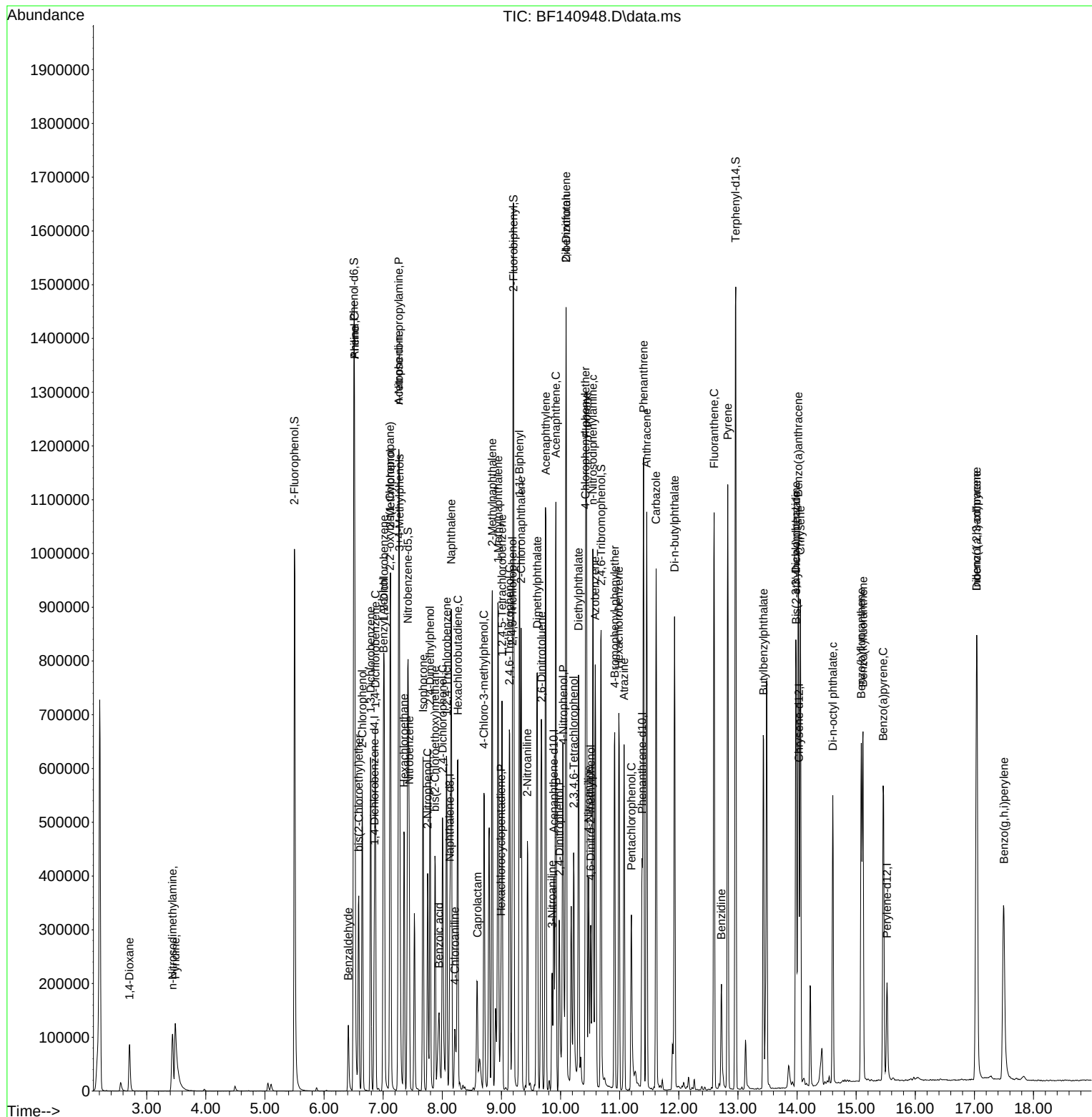
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Acq On    : 20 Dec 2024  14:10  
Operator  : RC/JU  
Sample    : P5306-09MS  
Misc      :  
ALS Vial  : 8    Sample Multiplier: 1
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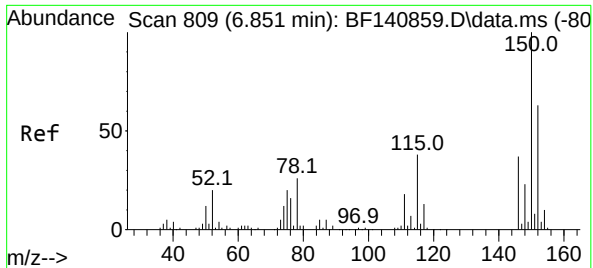
Instrument :
BNA_F
ClientSampleId :
OU4-VSL-11-121224MS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

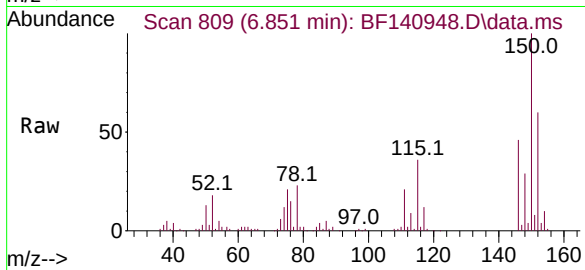
Quant Time: Dec 20 14:38:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 809
Delta R.T. 0.000 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

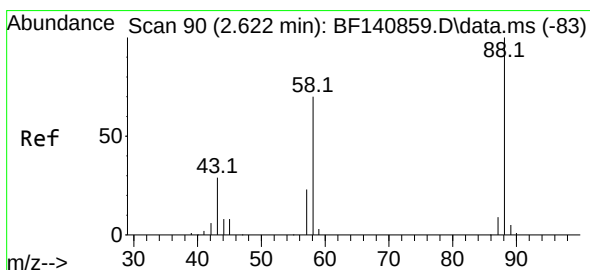
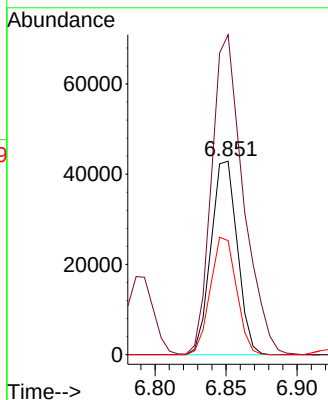
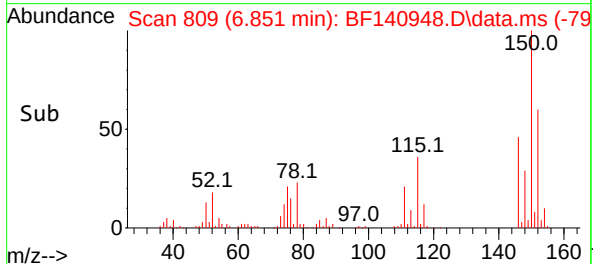
Instrument :
BNA_F
ClientSampleId :
OU4-VSL-11-121224MS



Tgt Ion:152 Resp: 5538
Ion Ratio Lower Upper
152 100
150 165.5 127.9 191.9
115 59.0 48.0 72.0

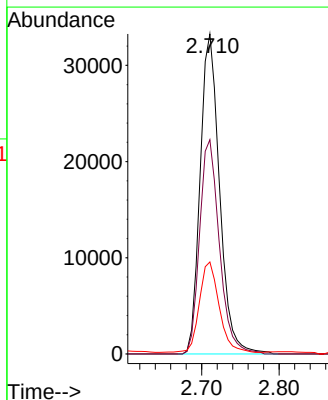
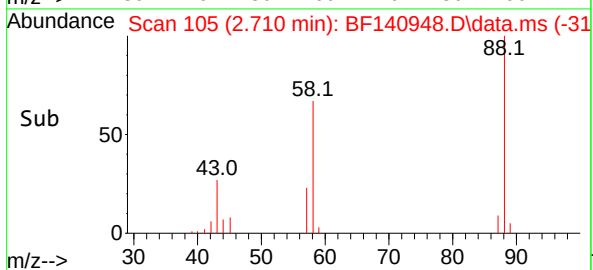
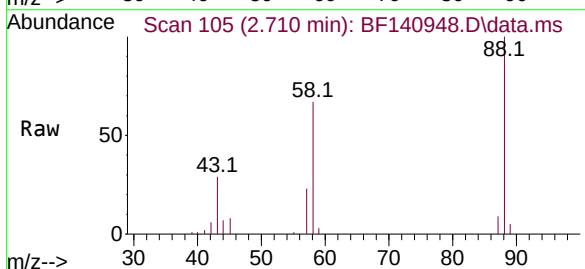
Manual Integrations
APPROVED

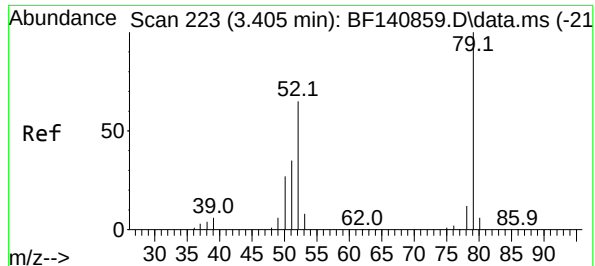
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#2
1,4-Dioxane
Concen: 39.952 ng
RT: 2.710 min Scan# 105
Delta R.T. 0.088 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion: 88 Resp: 57898
Ion Ratio Lower Upper
88 100
58 68.2 55.8 83.8
43 29.7 22.7 34.1





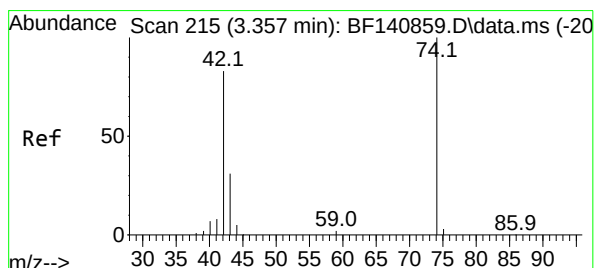
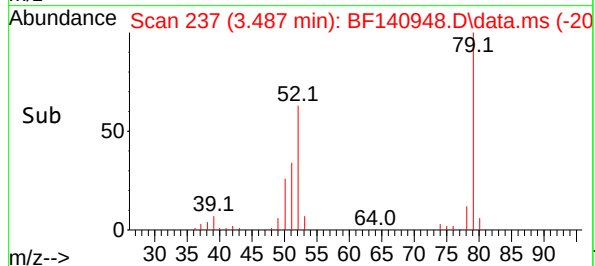
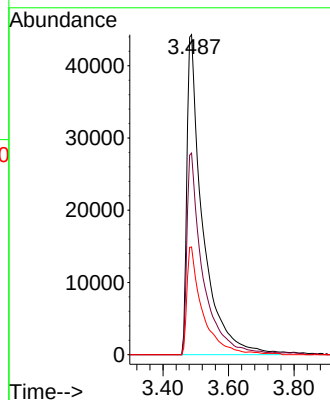
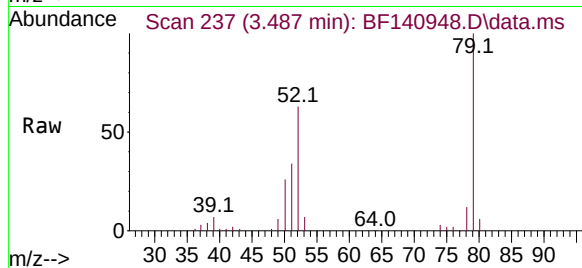
#3
Pyridine
Concen: 43.903 ng
RT: 3.487 min Scan# 21
Delta R.T. 0.082 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Instrument :
BNA_F
ClientSampleId :
OU4-VSL-11-121224MS

Tgt Ion: 79 Resp: 14734
Ion Ratio Lower Upper
79 100
52 63.0 51.7 77.5
51 33.7 28.2 42.4

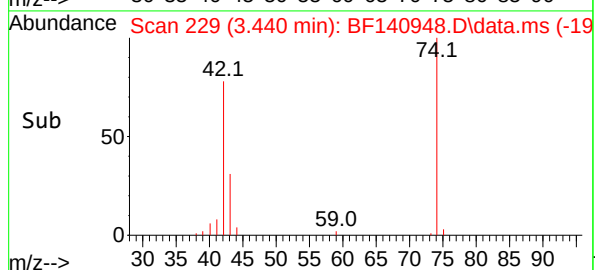
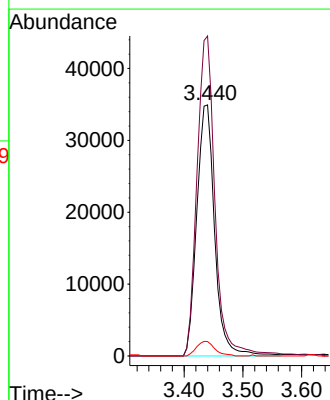
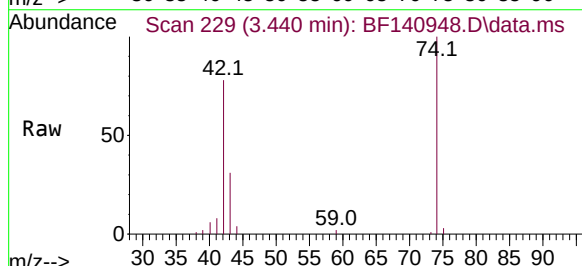
Manual Integrations
APPROVED

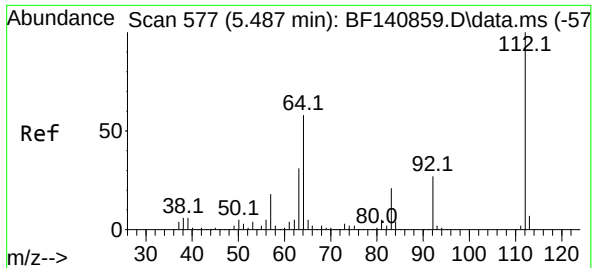
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#4
n-Nitrosodimethylamine
Concen: 43.674 ng
RT: 3.440 min Scan# 229
Delta R.T. 0.082 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion: 42 Resp: 73891
Ion Ratio Lower Upper
42 100
74 127.4 96.9 145.3
44 5.7 4.4 6.6





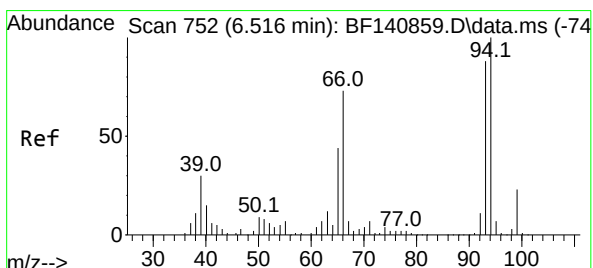
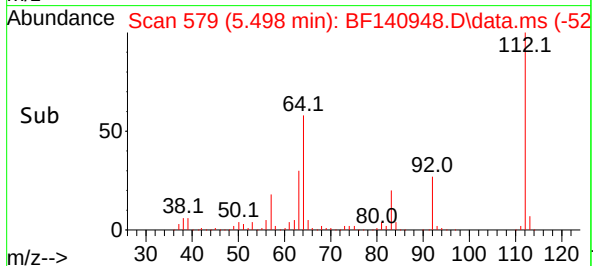
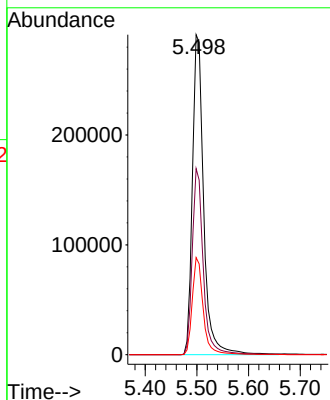
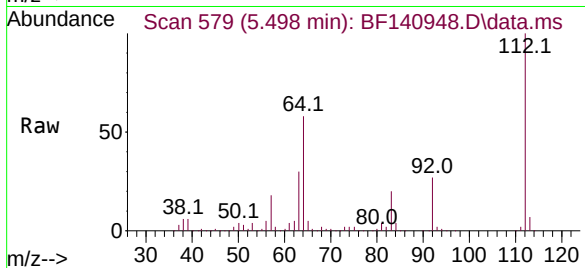
#5
2-Fluorophenol
Concen: 131.406 ng
RT: 5.498 min Scan# 51
Delta R.T. 0.012 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Instrument :
BNA_F
ClientSampleId :
OU4-VSL-11-121224MS

Tgt Ion:112 Resp: 442109
Ion Ratio Lower Upper
112 100
64 58.2 46.1 69.1
63 30.3 24.9 37.3

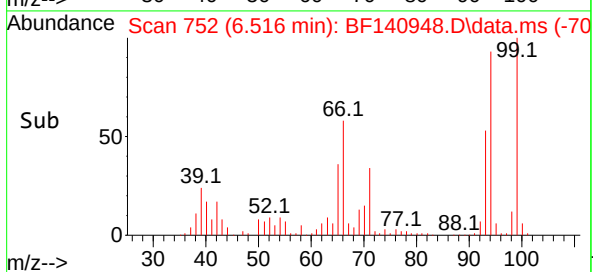
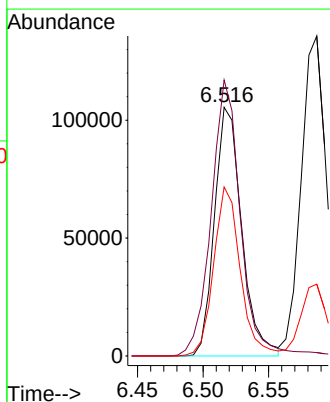
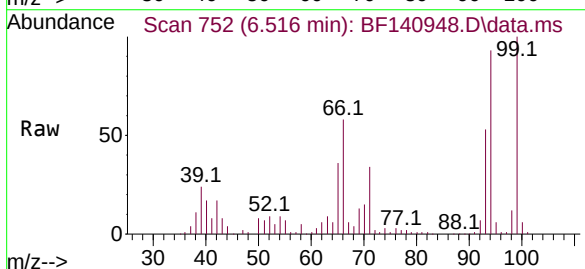
Manual Integrations
APPROVED

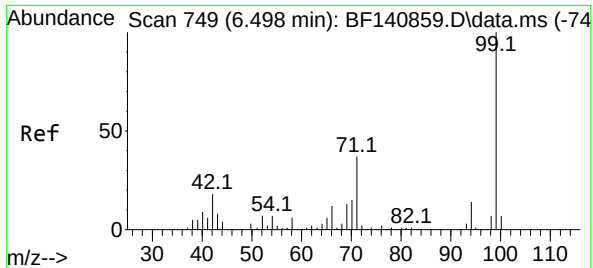
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#6
Aniline
Concen: 39.984 ng
RT: 6.516 min Scan# 752
Delta R.T. -0.000 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

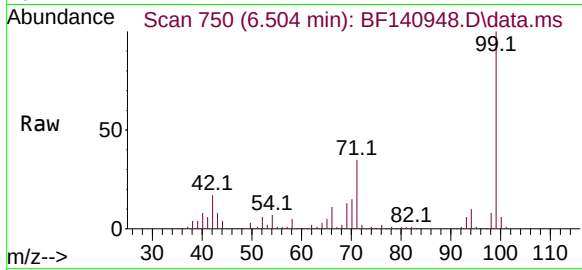
Tgt Ion: 93 Resp: 152345
Ion Ratio Lower Upper
93 100
66 111.0 67.0 100.4#
65 67.9 40.4 60.6#





#7
Phenol-d6
Concen: 134.430 ng
RT: 6.504 min Scan# 710
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

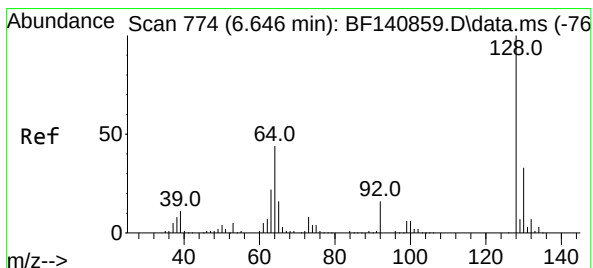
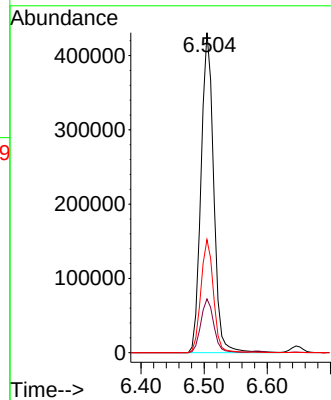
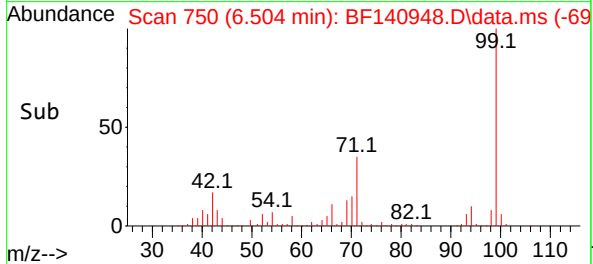
Instrument :
BNA_F
ClientSampleId :
OU4-VSL-11-121224MS



Tgt Ion: 99 Resp: 599050
Ion Ratio Lower Upper
99 100
42 16.8 14.3 21.5
71 35.4 29.9 44.9

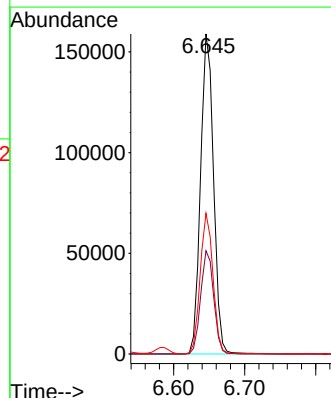
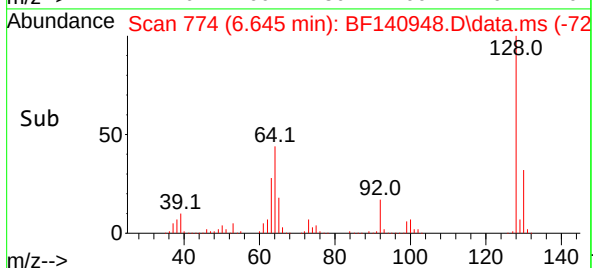
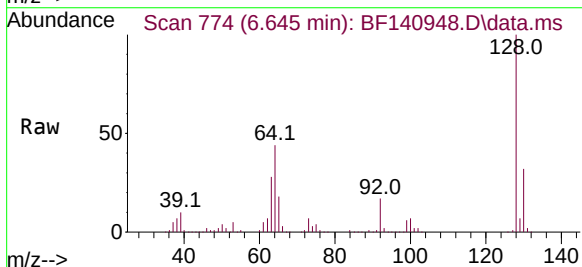
Manual Integrations
APPROVED

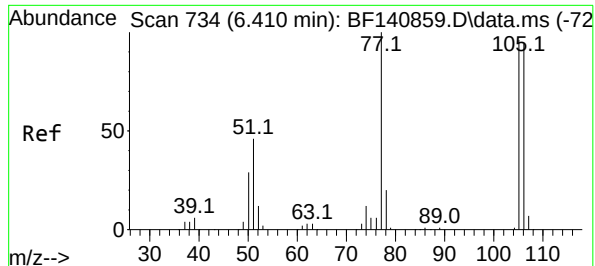
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#8
2-Chlorophenol
Concen: 55.230 ng
RT: 6.645 min Scan# 774
Delta R.T. -0.000 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:128 Resp: 202633
Ion Ratio Lower Upper
128 100
130 32.3 12.9 52.9
64 44.0 24.3 64.3





#9

Benzaldehyde

Concen: 15.462 ng

RT: 6.410 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF140948.D

Acq: 20 Dec 2024 14:10

Instrument :

BNA_F

ClientSampleId :

OU4-VSL-11-121224MS

Tgt Ion: 77 Resp: 38178

Ion Ratio Lower Upper

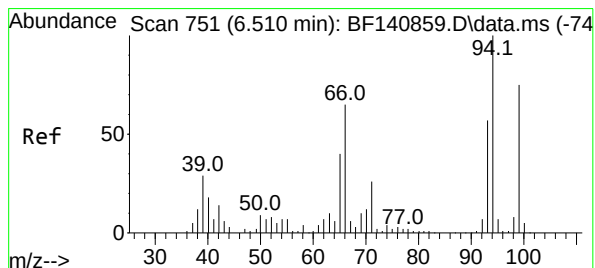
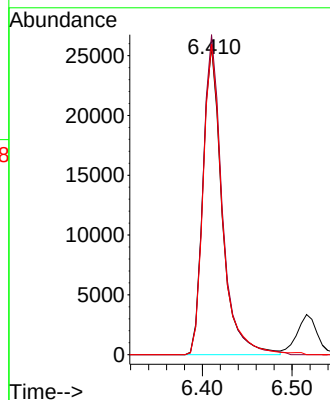
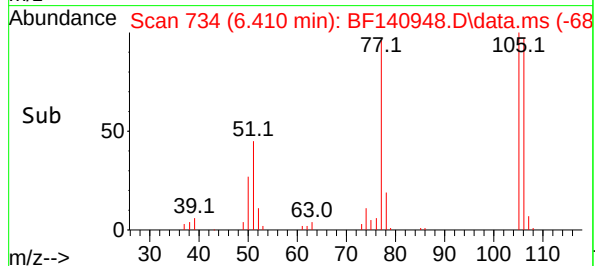
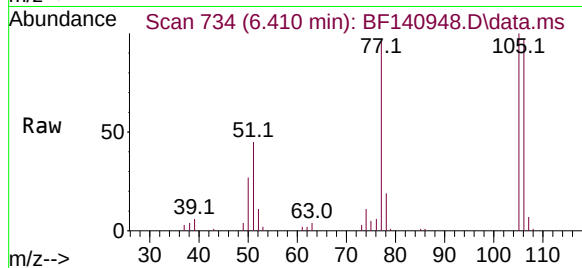
77 100

105 104.0 75.8 115.8

106 100.9 74.1 114.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

#10

Phenol

Concen: 56.104 ng

RT: 6.516 min Scan# 752

Delta R.T. 0.006 min

Lab File: BF140948.D

Acq: 20 Dec 2024 14:10

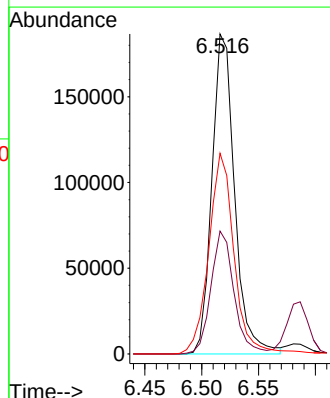
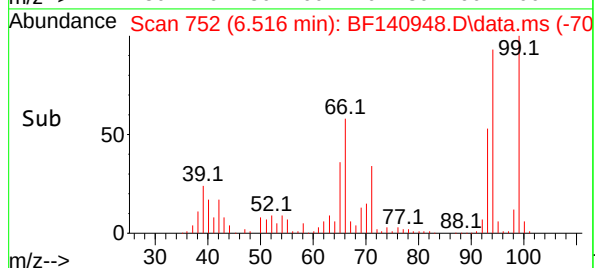
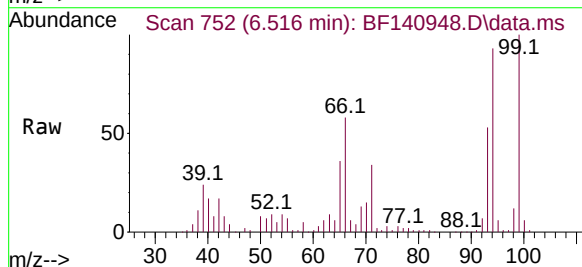
Tgt Ion: 94 Resp: 259118

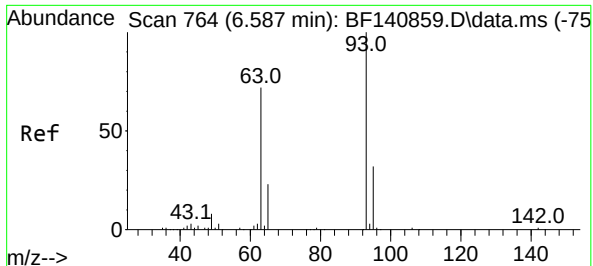
Ion Ratio Lower Upper

94 100

65 38.4 19.9 59.9

66 62.7 45.6 85.6





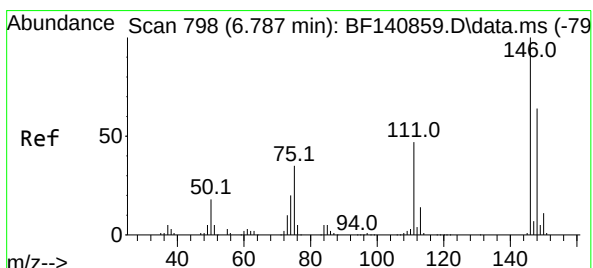
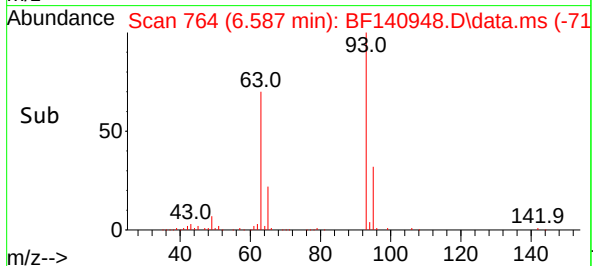
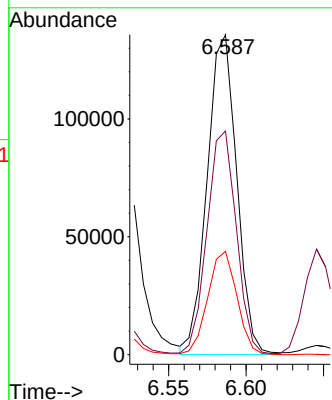
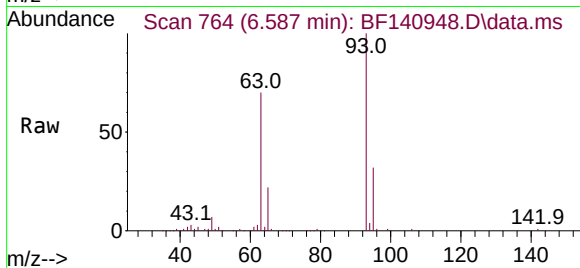
#11
bis(2-Chloroethyl)ether
Concen: 52.272 ng
RT: 6.587 min Scan# 764
Delta R.T. -0.000 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Instrument :
BNA_F
ClientSampleId :
OU4-VSL-11-121224MS

Tgt Ion: 93 Resp: 18004
Ion Ratio Lower Upper
93 100
63 69.9 51.0 91.0
95 32.3 12.0 52.0

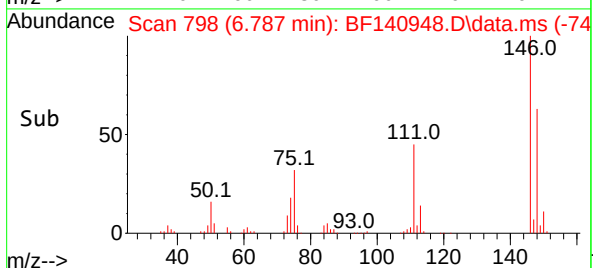
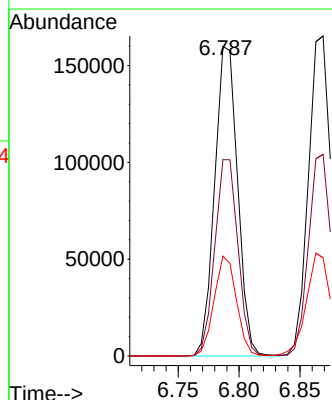
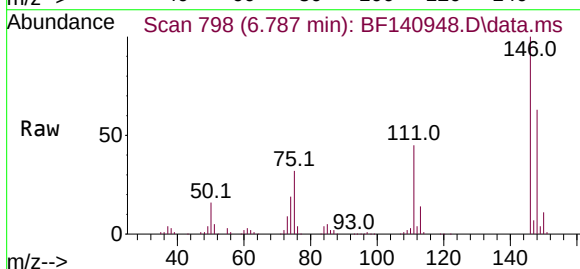
Manual Integrations
APPROVED

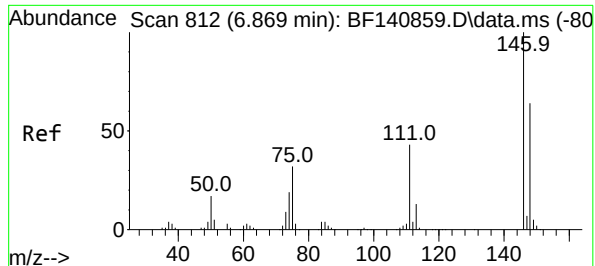
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#12
1,3-Dichlorobenzene
Concen: 50.348 ng
RT: 6.787 min Scan# 798
Delta R.T. -0.000 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:146 Resp: 210487
Ion Ratio Lower Upper
146 100
148 63.4 51.0 76.6
75 32.2 28.1 42.1





#13

1,4-Dichlorobenzene

Concen: 51.092 ng

RT: 6.869 min Scan# 812

Delta R.T. -0.000 min

Lab File: BF140948.D

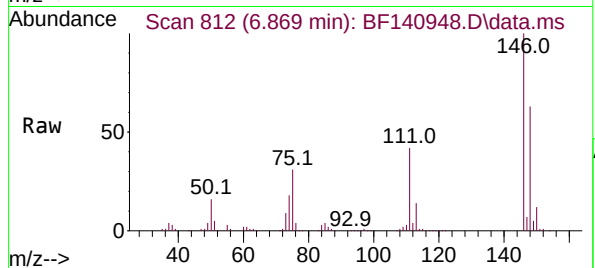
Acq: 20 Dec 2024 14:10

Instrument :

BNA_F

ClientSampleId :

OU4-VSL-11-121224MS



Tgt Ion:146 Resp: 216818

Ion Ratio Lower Upper

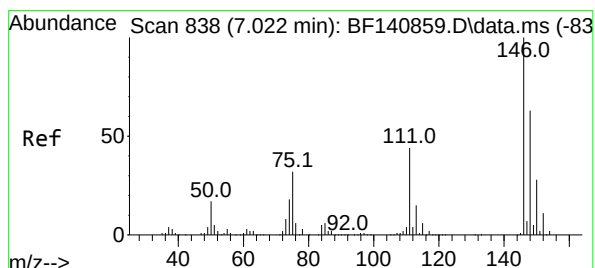
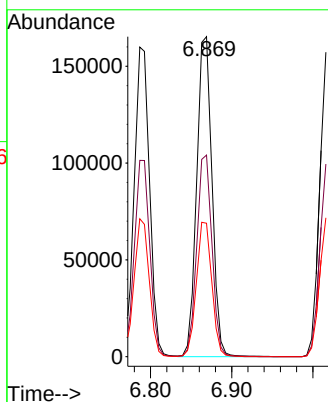
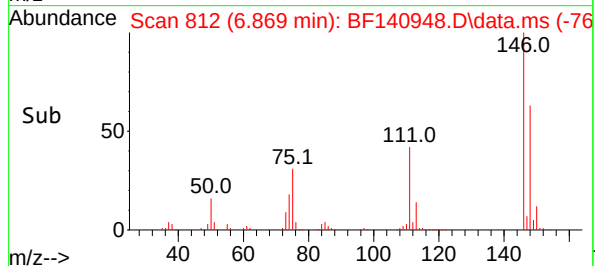
146 100

148 63.0 51.3 76.9

111 41.7 34.4 51.6

Manual Integrations

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Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

#14

1,2-Dichlorobenzene

Concen: 50.890 ng

RT: 7.016 min Scan# 837

Delta R.T. -0.006 min

Lab File: BF140948.D

Acq: 20 Dec 2024 14:10

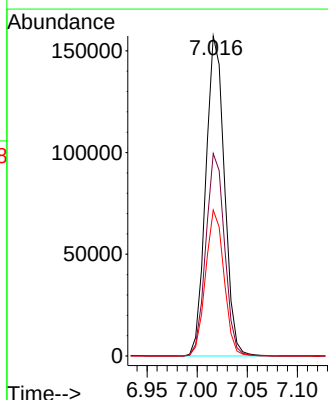
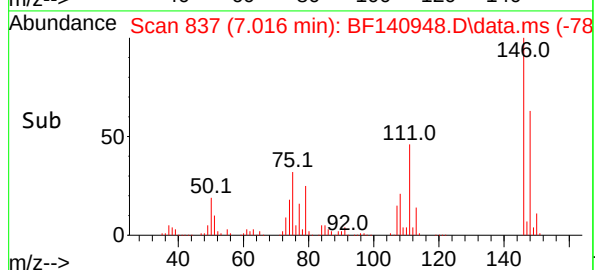
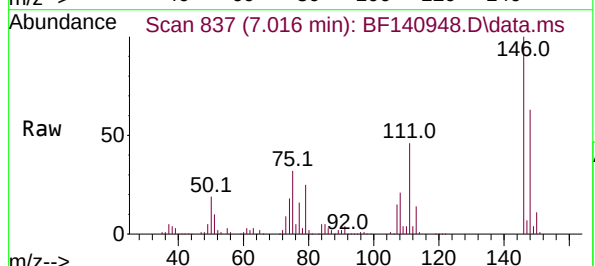
Tgt Ion:146 Resp: 203761

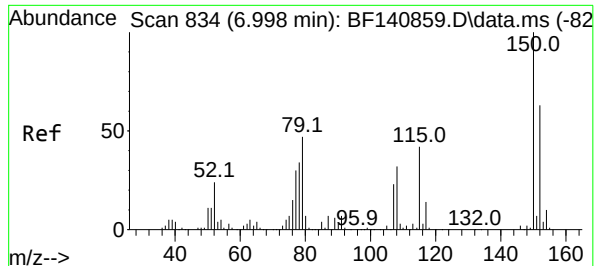
Ion Ratio Lower Upper

146 100

148 63.3 50.0 75.0

111 45.6 35.6 53.4





#15

Benzyl Alcohol

Concen: 55.078 ng

RT: 7.004 min Scan# 81

Delta R.T. 0.006 min

Lab File: BF140948.D

Acq: 20 Dec 2024 14:10

Instrument :

BNA_F

ClientSampleId :

OU4-VSL-11-121224MS

Tgt Ion: 79 Resp: 175492

Ion Ratio Lower Upper

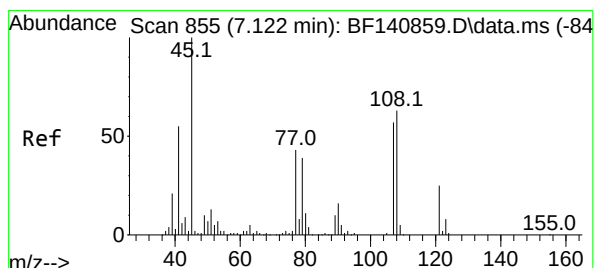
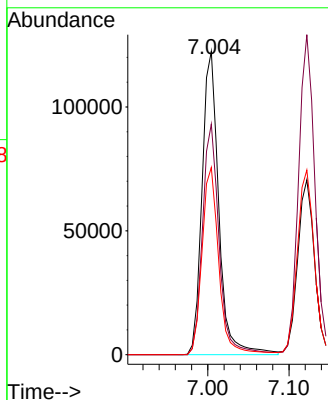
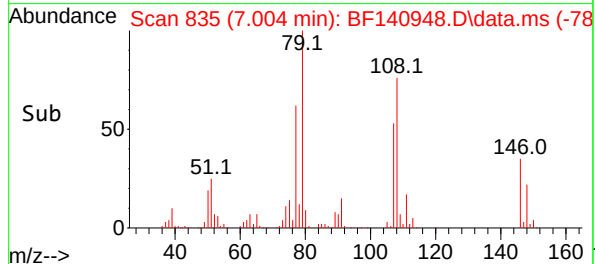
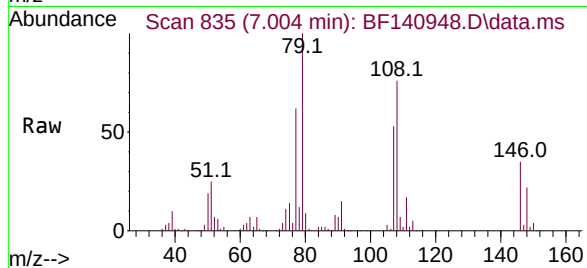
79 100

108 76.0 55.1 82.7

77 61.7 50.6 76.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

#16

2,2'-oxybis(1-Chloropropane)

Concen: 51.327 ng

RT: 7.116 min Scan# 854

Delta R.T. -0.006 min

Lab File: BF140948.D

Acq: 20 Dec 2024 14:10

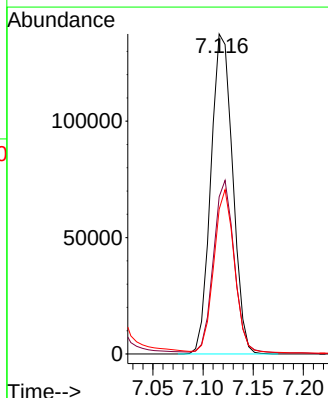
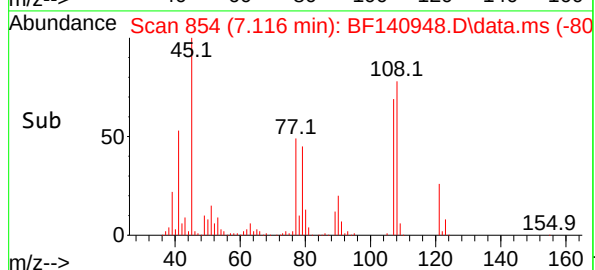
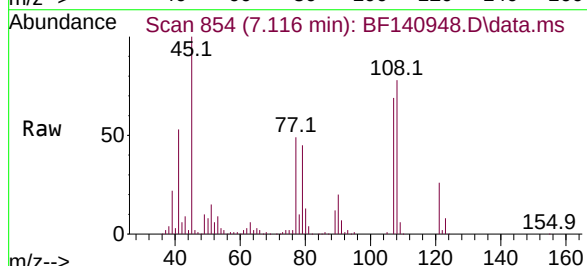
Tgt Ion: 45 Resp: 208259

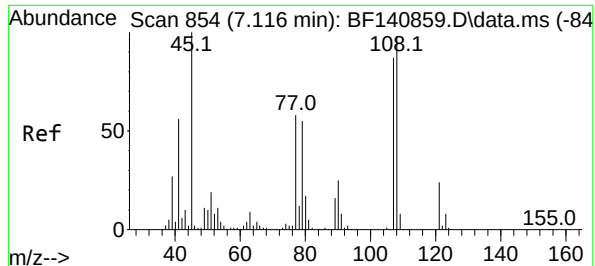
Ion Ratio Lower Upper

45 100

77 49.1 23.3 63.3

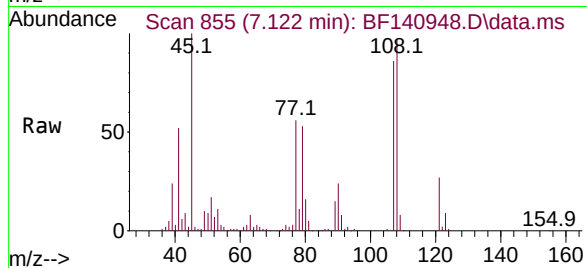
79 45.2 20.0 60.0





#17
2-Methylphenol
Concen: 54.685 ng
RT: 7.122 min Scan# 855
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

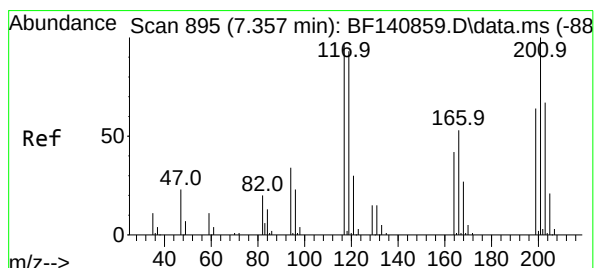
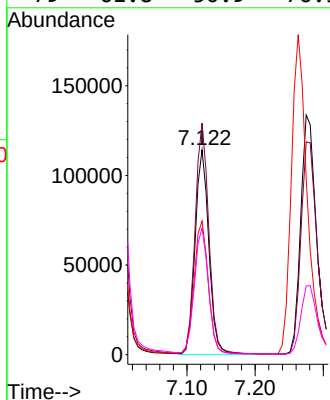
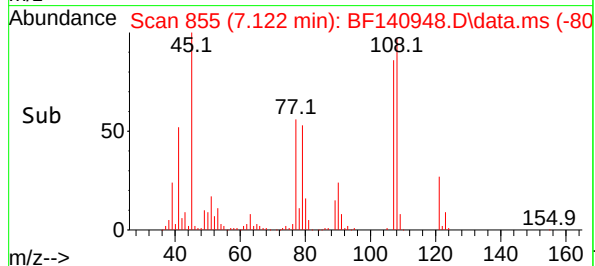
Instrument :
BNA_F
ClientSampleId :
OU4-VSL-11-121224MS



Tgt Ion:107 Resp: 16018
Ion Ratio Lower Upper
107 100
108 113.0 90.2 135.4
77 65.2 53.8 80.6
79 61.8 50.9 76.3

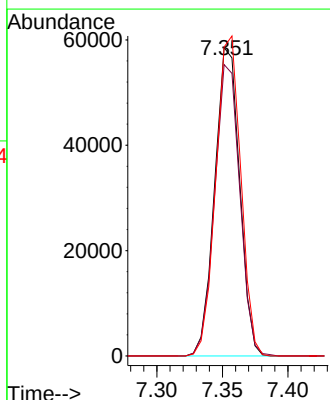
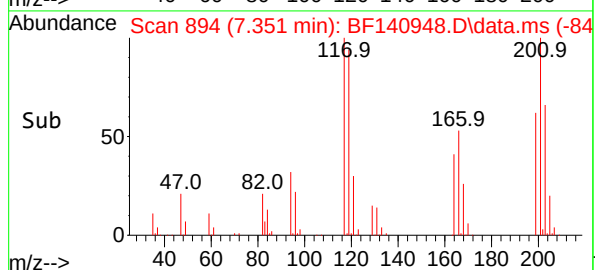
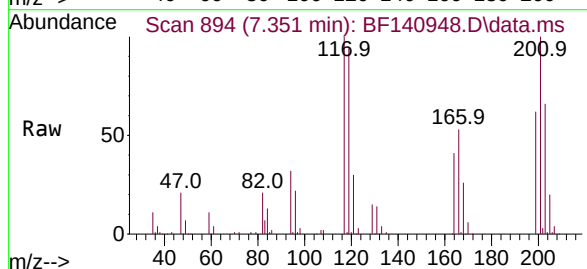
Manual Integrations
APPROVED

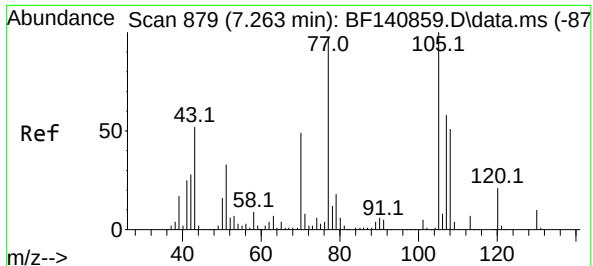
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#18
Hexachloroethane
Concen: 48.978 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:117 Resp: 77377
Ion Ratio Lower Upper
117 100
119 94.5 77.4 116.0
201 100.2 83.4 125.0





#19

n-Nitroso-di-n-propylamine

Concen: 52.475 ng

RT: 7.263 min Scan# 81

Delta R.T. -0.000 min

Lab File: BF140948.D

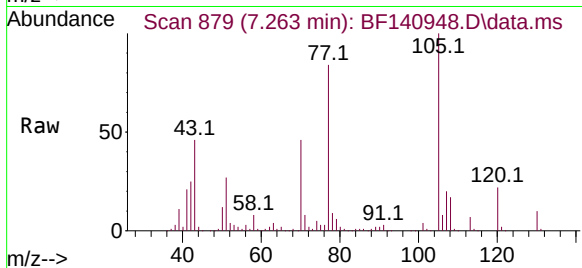
Acq: 20 Dec 2024 14:10

Instrument :

BNA_F

ClientSampleId :

OU4-VSL-11-121224MS



Tgt Ion: 70 Resp: 140269

Ion Ratio Lower Upper

70 100

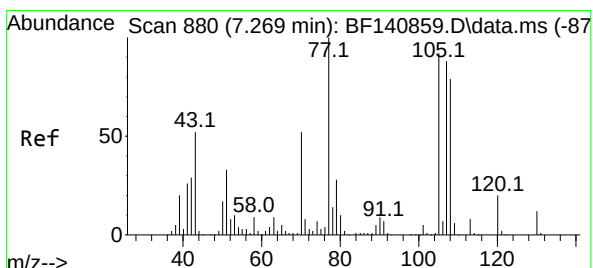
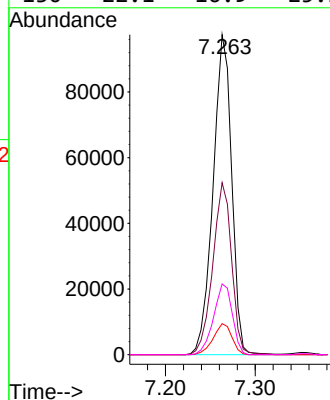
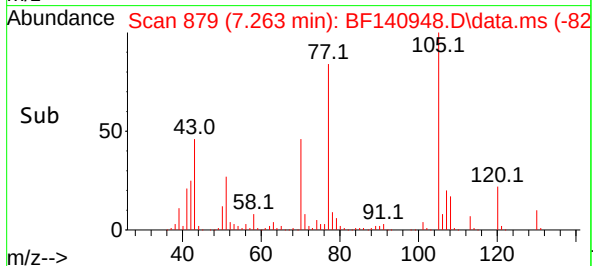
42 53.8 45.3 67.9

101 9.7 8.0 12.0

130 22.1 16.9 25.3

Manual Integrations

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Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

#20

3+4-Methylphenols

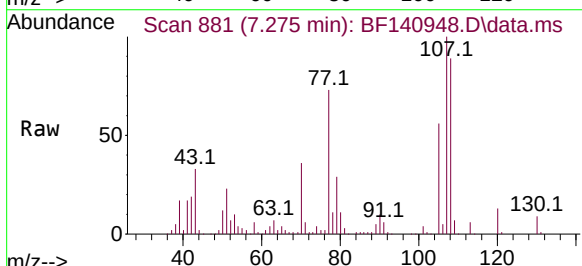
Concen: 56.350 ng

RT: 7.275 min Scan# 881

Delta R.T. 0.006 min

Lab File: BF140948.D

Acq: 20 Dec 2024 14:10



Tgt Ion:107 Resp: 218873

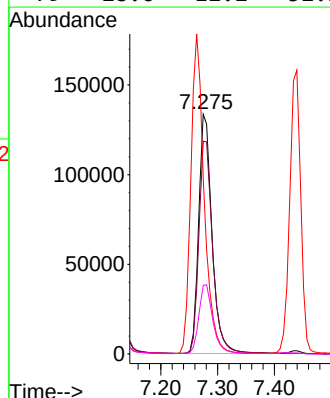
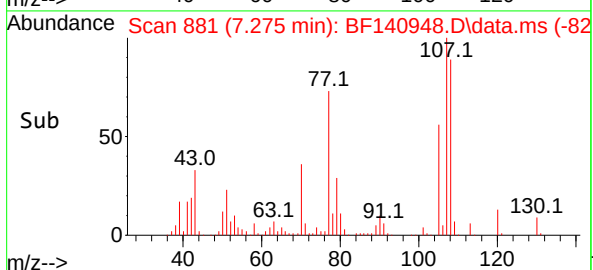
Ion Ratio Lower Upper

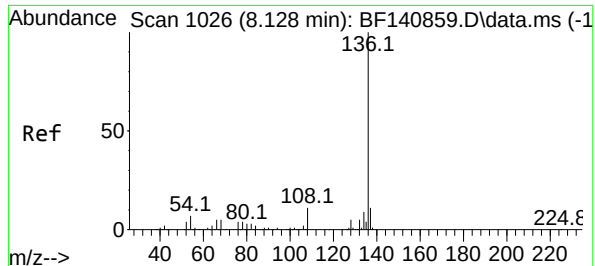
107 100

108 88.8 70.1 110.1

77 73.3 94.4 134.4#

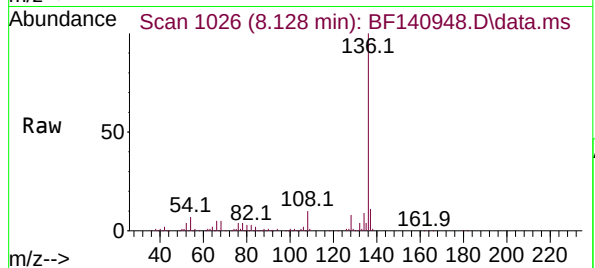
79 28.6 12.2 52.2





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1026
Delta R.T. -0.000 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

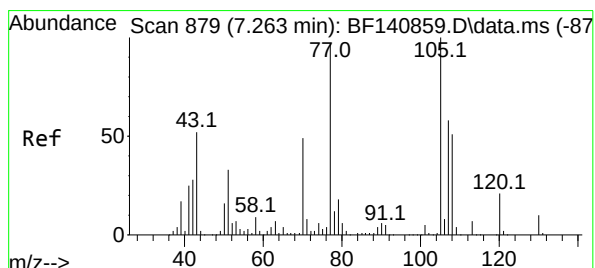
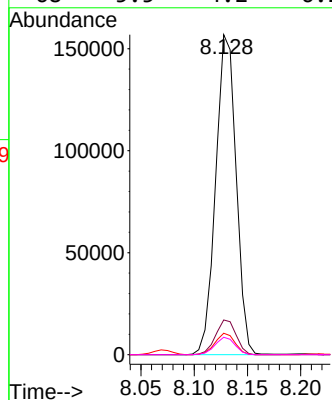
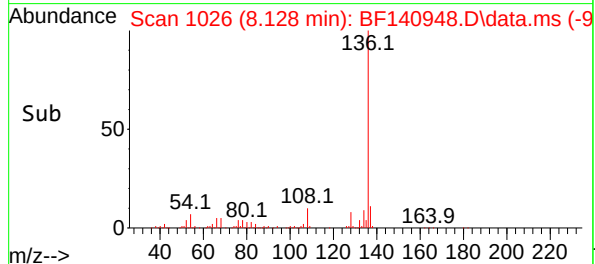
Instrument :
BNA_F
ClientSampleId :
OU4-VSL-11-121224MS



Tgt Ion:136 Resp: 209218
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.4
54 6.7 5.6 8.4
68 5.5 4.2 6.2

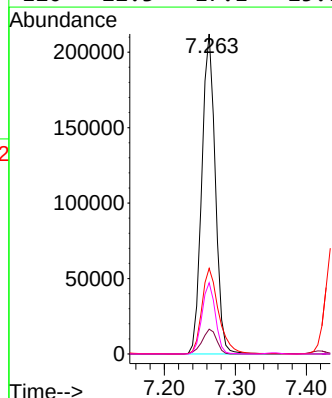
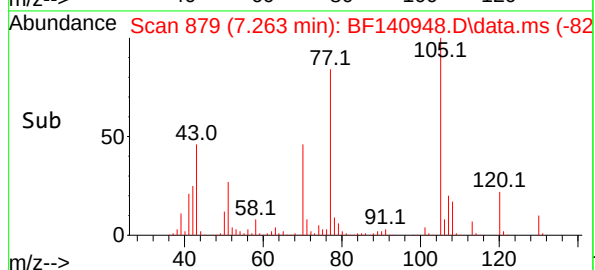
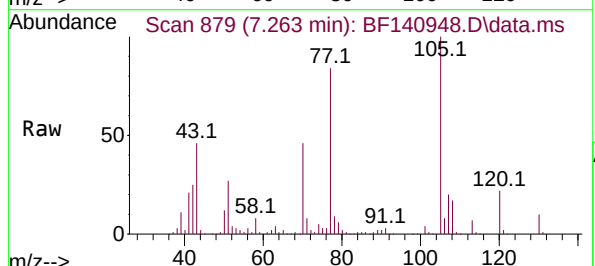
Manual Integrations
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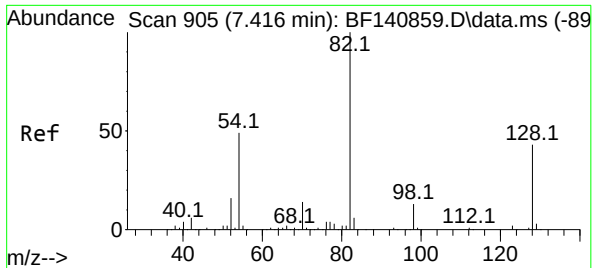
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#22
Acetophenone
Concen: 53.782 ng
RT: 7.263 min Scan# 879
Delta R.T. -0.000 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:105 Resp: 281478
Ion Ratio Lower Upper
105 100
71 7.8 6.2 9.4
51 26.7 26.3 39.5
120 22.3 17.1 25.7





#23

Nitrobenzene-d5

Concen: 89.012 ng

RT: 7.416 min Scan# 90

Delta R.T. -0.000 min

Lab File: BF140948.D

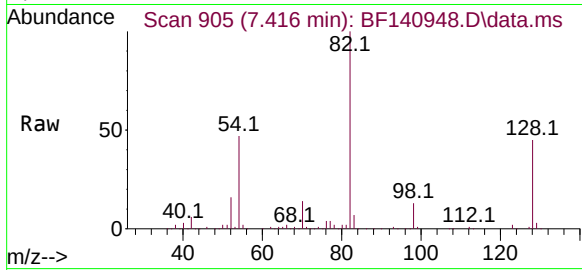
Acq: 20 Dec 2024 14:10

Instrument :

BNA_F

ClientSampleId :

OU4-VSL-11-121224MS



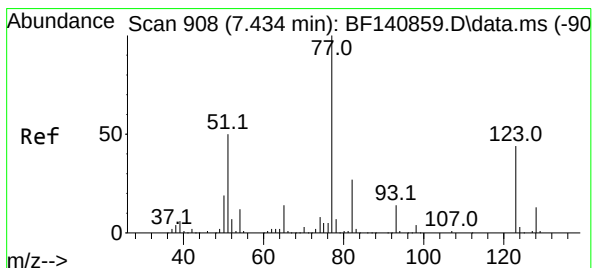
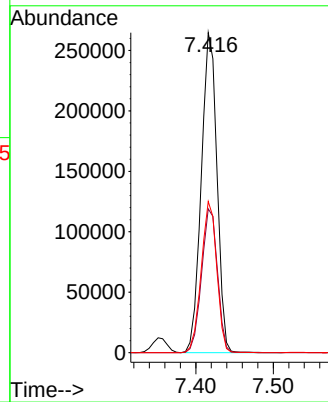
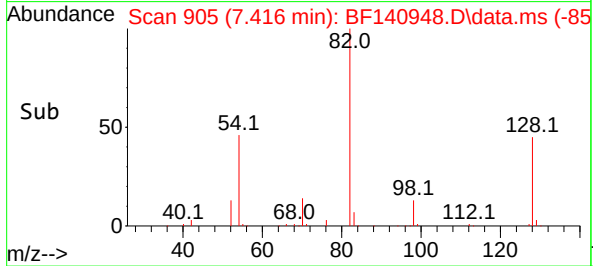
Tgt Ion: 82 Resp: 372228

Ion	Ratio	Lower	Upper
82	100		
128	45.0	34.4	51.6
54	47.2	38.8	58.2

Manual Integrations

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Supervised By :mohammad ahmed 12/24/2024



#24

Nitrobenzene

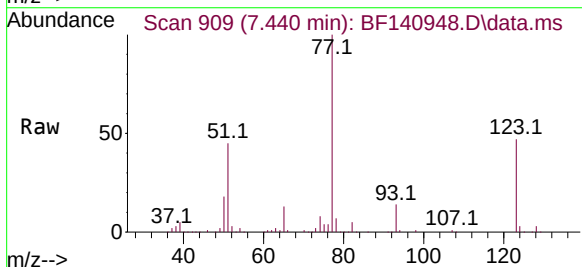
Concen: 49.921 ng

RT: 7.440 min Scan# 909

Delta R.T. 0.006 min

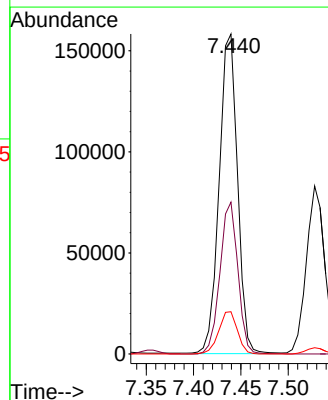
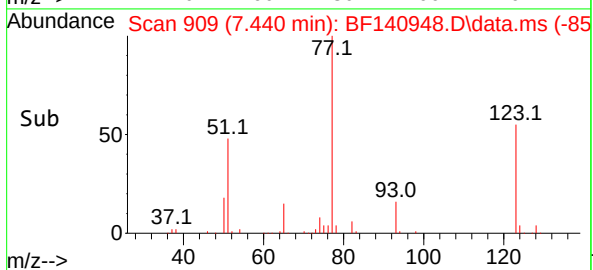
Lab File: BF140948.D

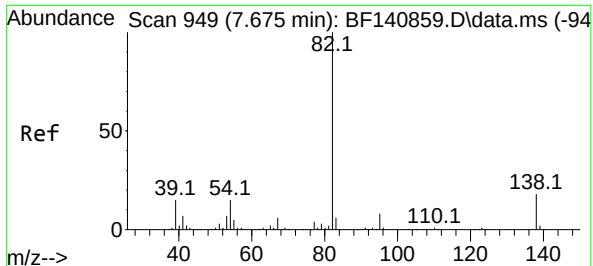
Acq: 20 Dec 2024 14:10



Tgt Ion: 77 Resp: 213867

Ion	Ratio	Lower	Upper
77	100		
123	47.5	35.0	52.4
65	13.2	11.4	17.0





#25

Isophorone

Concen: 51.161 ng

RT: 7.675 min Scan# 949

Delta R.T. -0.000 min

Lab File: BF140948.D

Acq: 20 Dec 2024 14:10

Instrument :

BNA_F

ClientSampleId :

OU4-VSL-11-121224MS

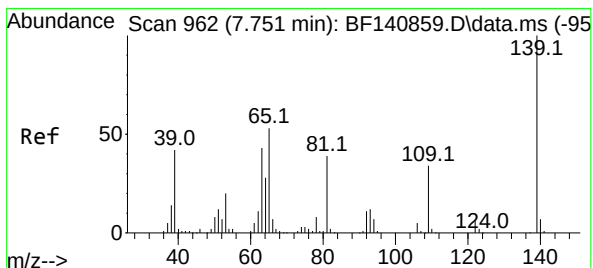
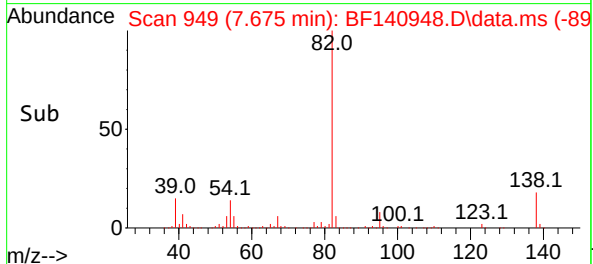
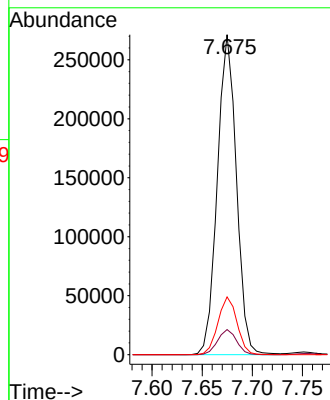
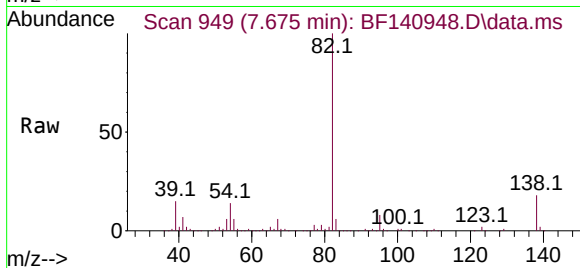
Tgt Ion: 82 Resp: 358474

Ion	Ratio	Lower	Upper
82	100		
95	7.9	6.3	9.5
138	18.1	14.1	21.1

Manual Integrations

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Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#26

2-Nitrophenol

Concen: 55.813 ng

RT: 7.751 min Scan# 962

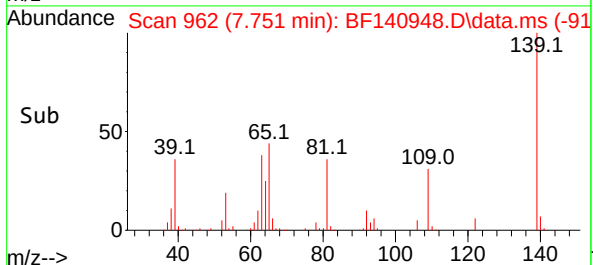
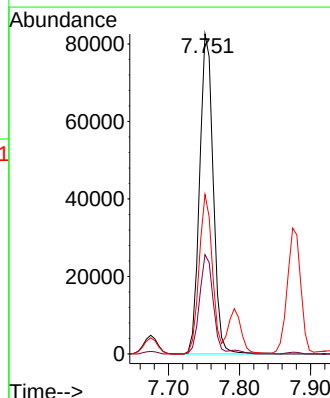
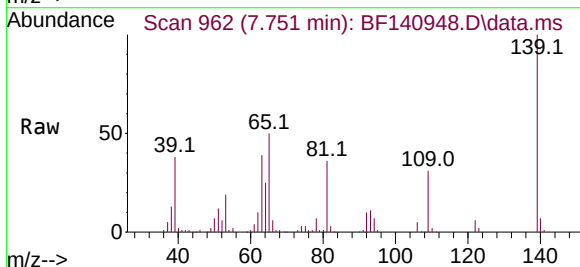
Delta R.T. -0.000 min

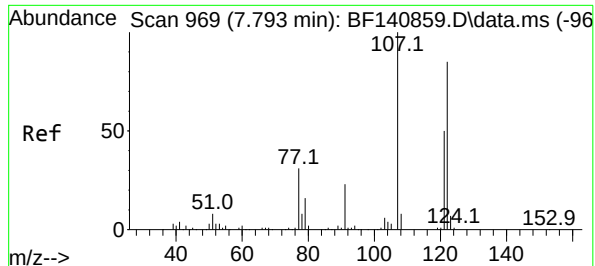
Lab File: BF140948.D

Acq: 20 Dec 2024 14:10

Tgt Ion:139 Resp: 110125

Ion	Ratio	Lower	Upper
139	100		
109	31.1	26.9	40.3
65	49.8	42.6	64.0





#27

2,4-Dimethylphenol

Concen: 65.624 ng

RT: 7.792 min Scan# 90

Delta R.T. -0.000 min

Lab File: BF140948.D

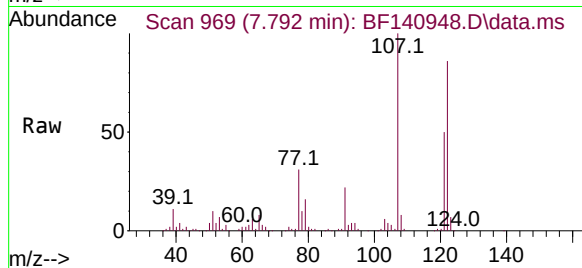
Acq: 20 Dec 2024 14:10

Instrument :

BNA_F

ClientSampleId :

OU4-VSL-11-121224MS



Tgt Ion:122 Resp: 151210

Ion Ratio Lower Upper

122 100

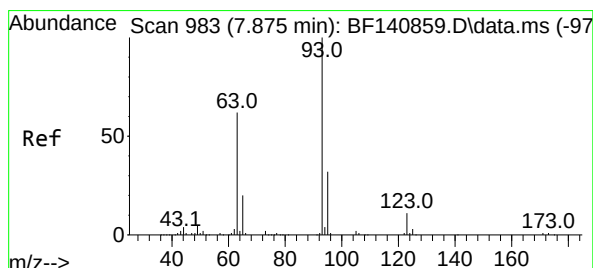
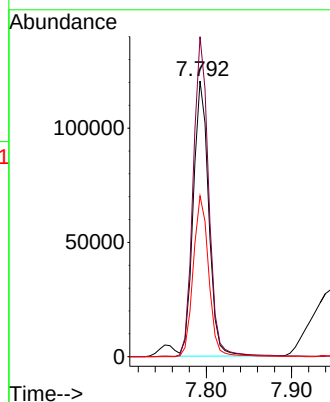
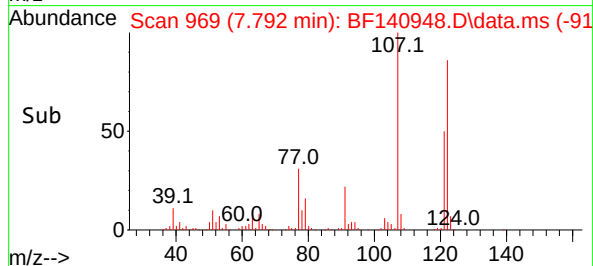
107 116.1 92.6 139.0

121 58.3 45.8 68.8

Manual Integrations

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Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#28

bis(2-Chloroethoxy)methane

Concen: 50.641 ng

RT: 7.875 min Scan# 983

Delta R.T. -0.000 min

Lab File: BF140948.D

Acq: 20 Dec 2024 14:10

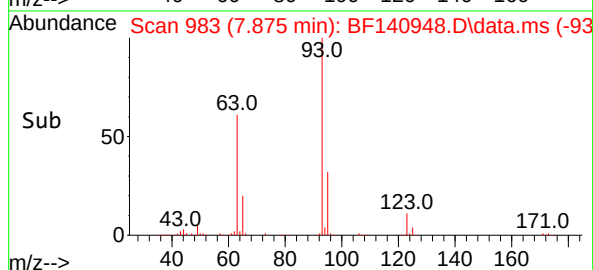
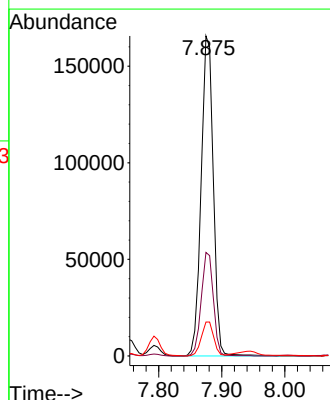
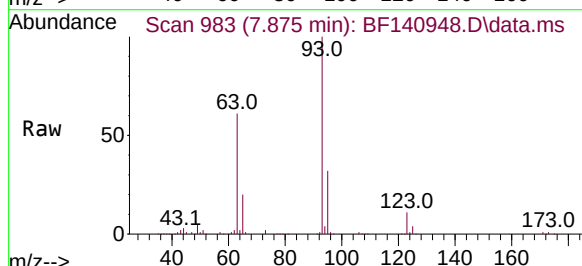
Tgt Ion: 93 Resp: 221616

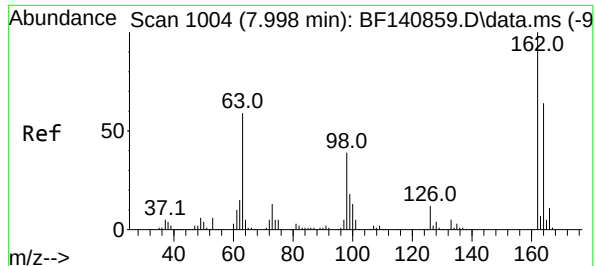
Ion Ratio Lower Upper

93 100

95 32.4 25.3 37.9

123 10.6 8.6 13.0





#29

2,4-Dichlorophenol

Concen: 53.525 ng

RT: 8.004 min Scan# 1004

Delta R.T. 0.006 min

Lab File: BF140948.D

Acq: 20 Dec 2024 14:10

Instrument :

BNA_F

ClientSampleId :

OU4-VSL-11-121224MS

Tgt Ion:162 Resp: 170278

Ion Ratio Lower Upper

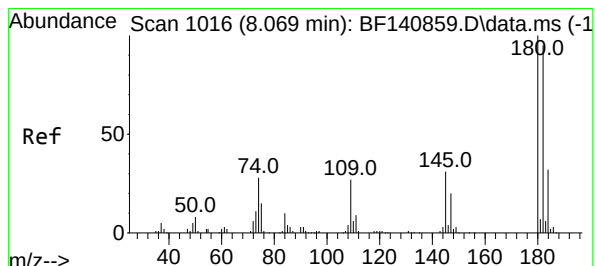
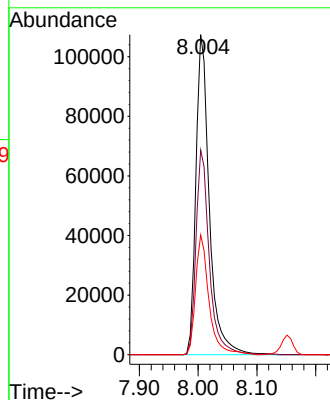
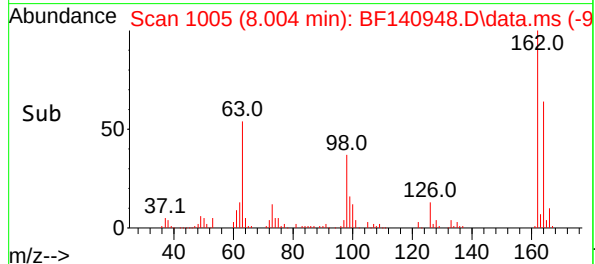
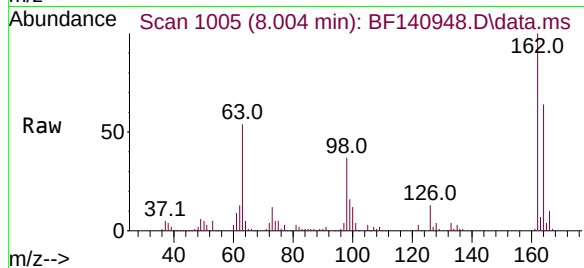
162 100

164 63.9 43.7 83.7

98 37.4 18.6 58.6

Manual Integrations

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Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

#30

1,2,4-Trichlorobenzene

Concen: 47.901 ng

RT: 8.075 min Scan# 1017

Delta R.T. 0.006 min

Lab File: BF140948.D

Acq: 20 Dec 2024 14:10

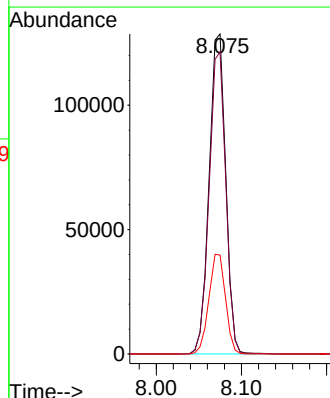
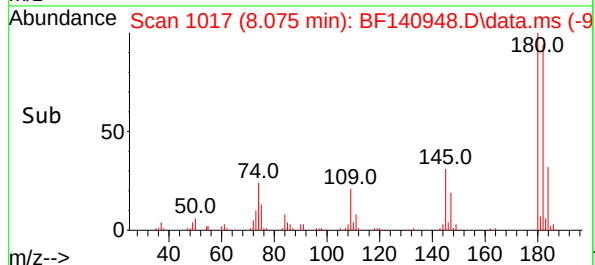
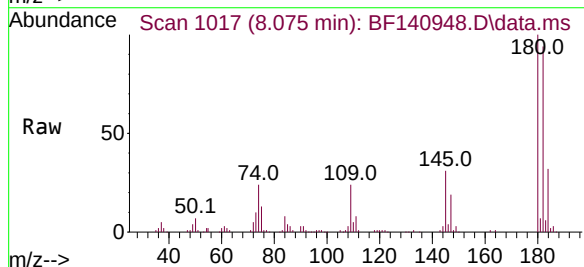
Tgt Ion:180 Resp: 174689

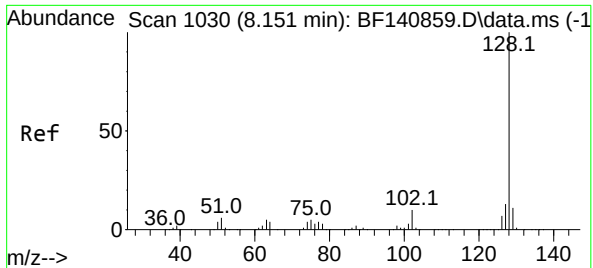
Ion Ratio Lower Upper

180 100

182 94.4 75.8 113.6

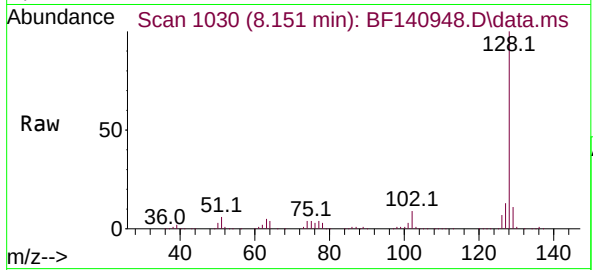
145 30.9 25.2 37.8





#31
Naphthalene
Concen: 50.150 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.000 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

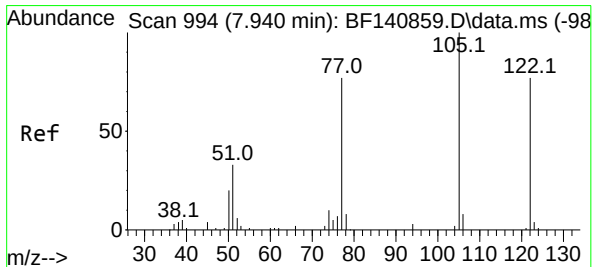
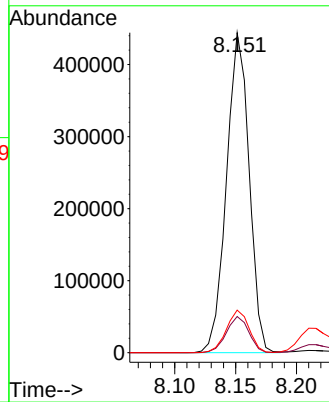
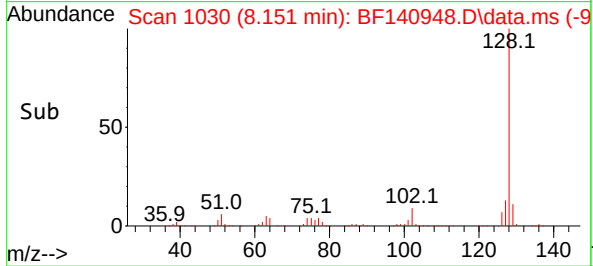
Instrument :
BNA_F
ClientSampleId :
OU4-VSL-11-121224MS



Tgt Ion:128 Resp: 576350
Ion Ratio Lower Upper
128 100
129 11.3 8.9 13.3
127 13.3 10.6 16.0

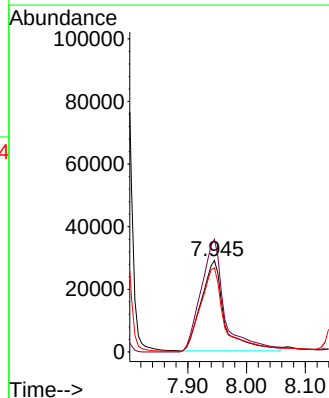
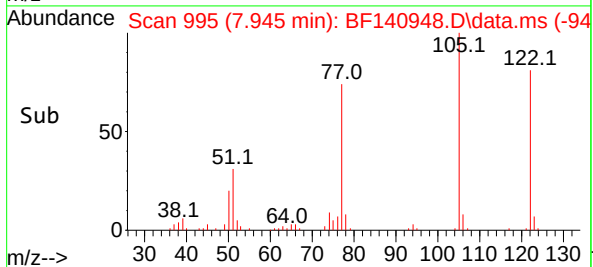
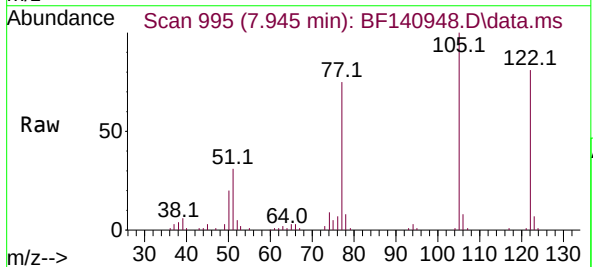
Manual Integrations
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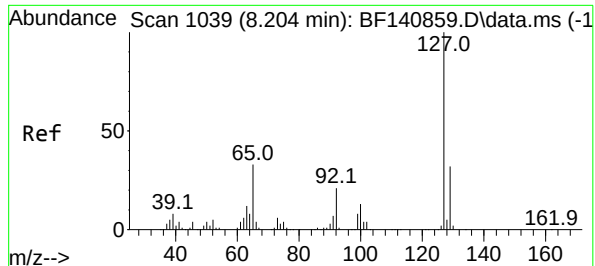
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#32
Benzoic acid
Concen: 36.568 ng
RT: 7.945 min Scan# 995
Delta R.T. 0.005 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:122 Resp: 79916
Ion Ratio Lower Upper
122 100
105 123.4 108.3 148.3
77 92.2 78.8 118.8





#33

4-Chloroaniline

Concen: 22.717 ng

RT: 8.210 min Scan# 1039

Delta R.T. 0.006 min

Lab File: BF140948.D

Acq: 20 Dec 2024 14:10

Instrument :

BNA_F

ClientSampleId :

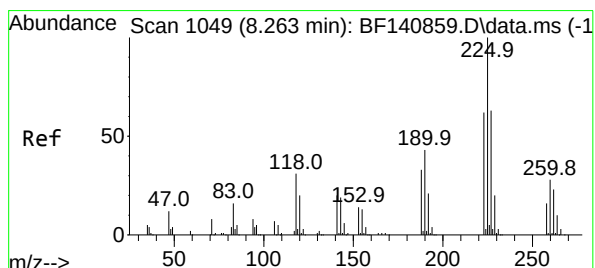
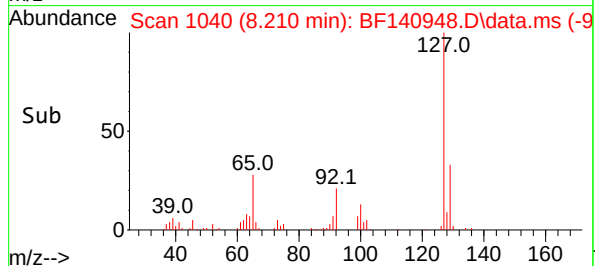
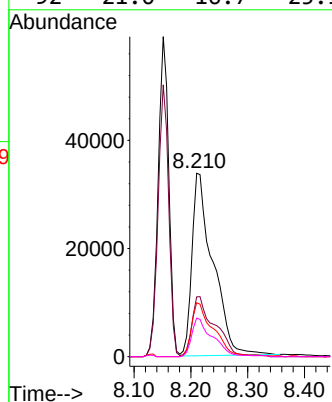
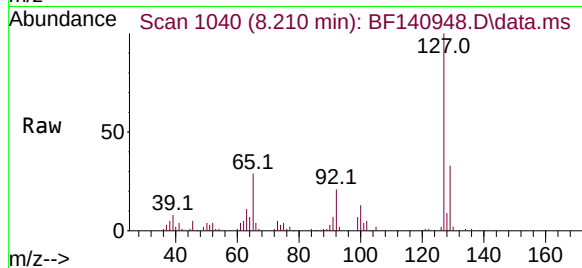
OU4-VSL-11-121224MS

Tgt Ion	Ratio	Lower	Upper
127	100		
129	32.7	26.0	39.0
65	29.4	26.0	39.0
92	21.0	16.7	25.1

Manual Integrations

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Reviewed By :Jagrut Upadhyay 12/23/2024
 Supervised By :mohammad ahmed 12/24/2024



#34

Hexachlorobutadiene

Concen: 45.808 ng

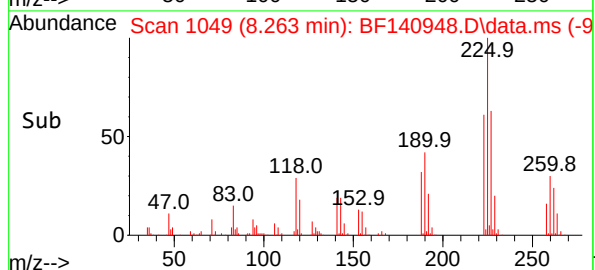
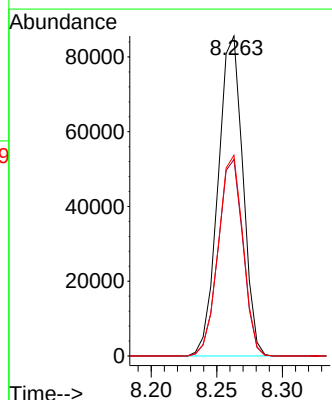
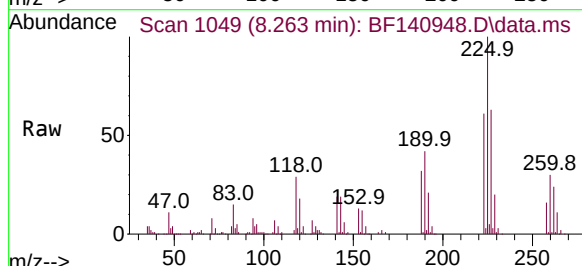
RT: 8.263 min Scan# 1049

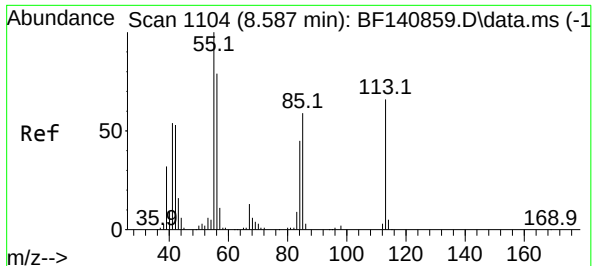
Delta R.T. -0.000 min

Lab File: BF140948.D

Acq: 20 Dec 2024 14:10

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.4	49.6	74.4
227	62.7	50.7	76.1





#35

Caprolactam

Concen: 55.895 ng m

RT: 8.592 min Scan# 1105

Delta R.T. 0.006 min

Lab File: BF140948.D

Acq: 20 Dec 2024 14:10

Instrument :

BNA_F

ClientSampleId :

OU4-VSL-11-121224MS

Tgt Ion:113 Resp: 52938

Ion Ratio Lower Upper

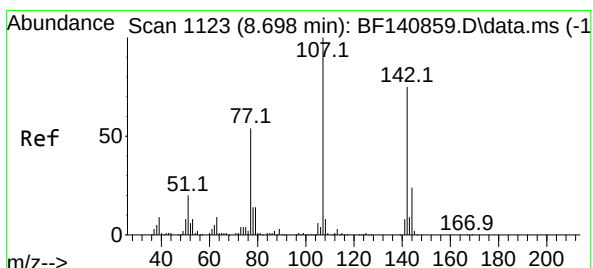
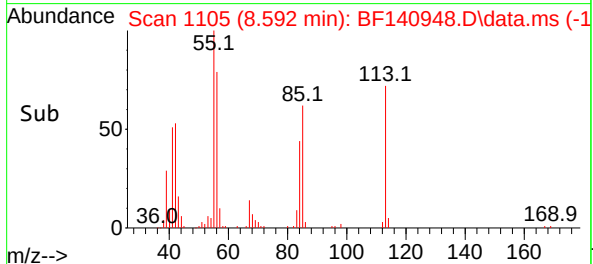
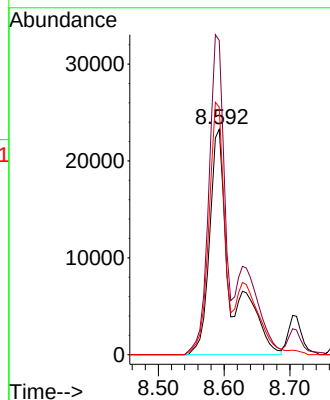
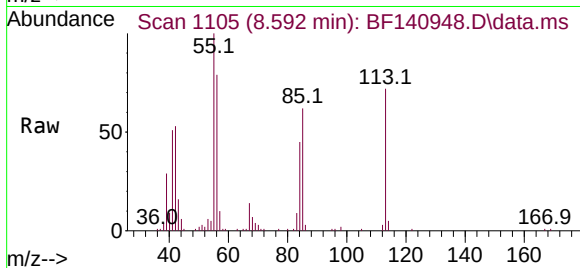
113 100

55 139.4 132.3 172.3

56 109.8 100.3 140.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

#36

4-Chloro-3-methylphenol

Concen: 49.233 ng

RT: 8.704 min Scan# 1124

Delta R.T. 0.006 min

Lab File: BF140948.D

Acq: 20 Dec 2024 14:10

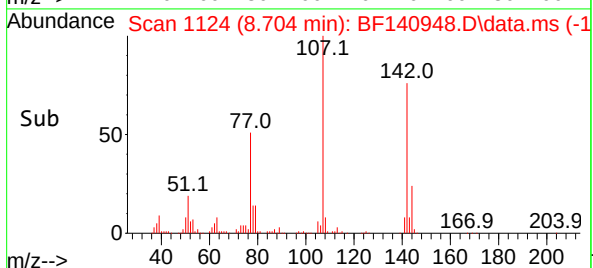
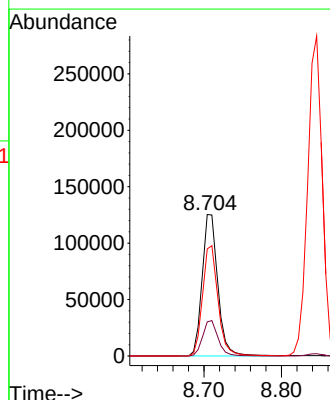
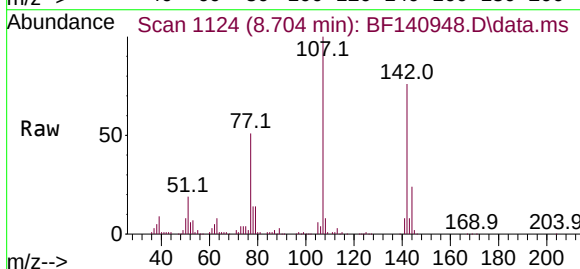
Tgt Ion:107 Resp: 176282

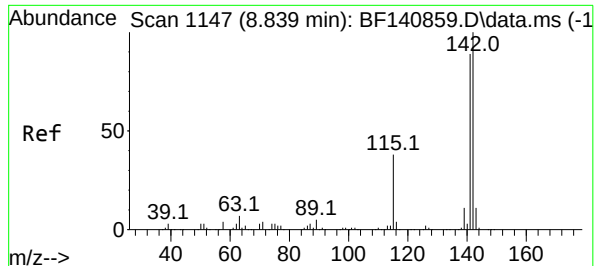
Ion Ratio Lower Upper

107 100

144 24.2 19.4 29.2

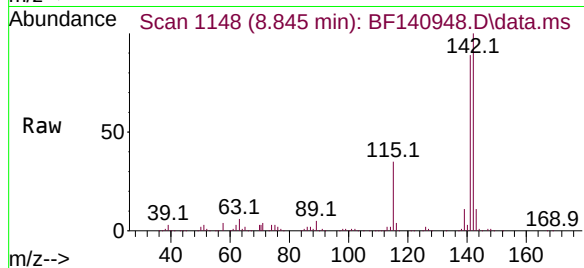
142 75.8 60.3 90.5





#37
2-Methylnaphthalene
Concen: 48.635 ng
RT: 8.845 min Scan# 1148
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

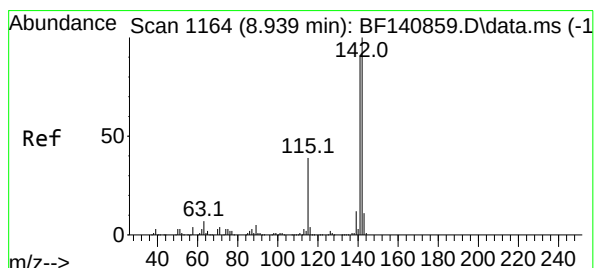
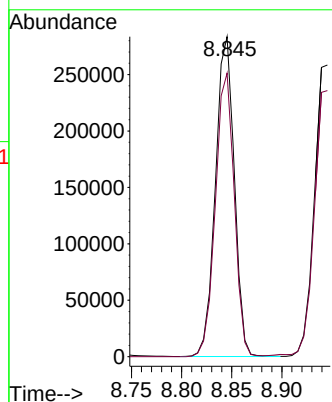
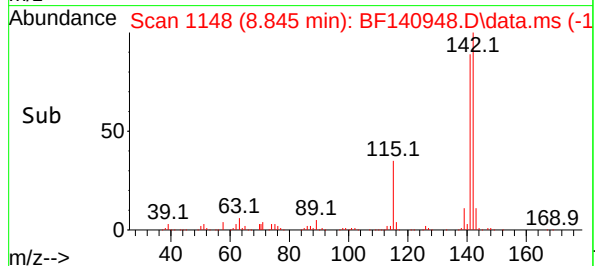
Instrument :
BNA_F
ClientSampleId :
OU4-VSL-11-121224MS



Tgt Ion:142 Resp: 369738
Ion Ratio Lower Upper
142 100
141 88.6 71.0 106.6

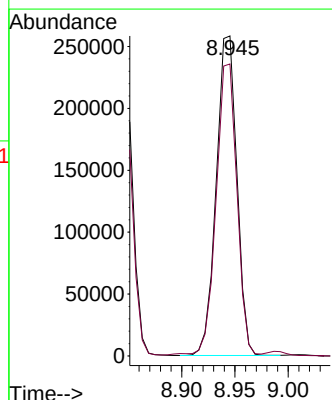
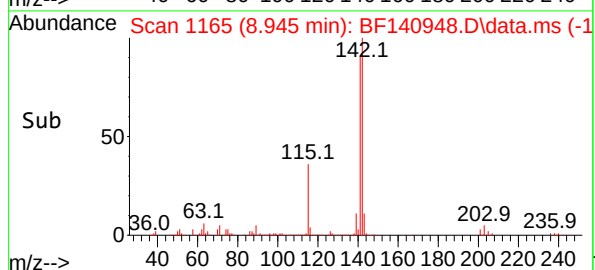
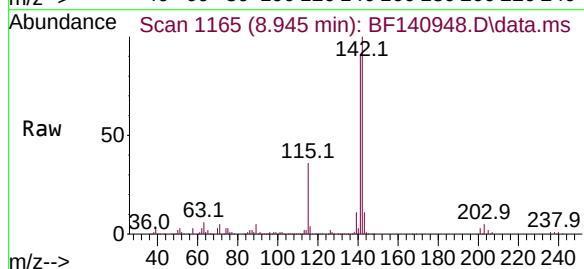
Manual Integrations
APPROVED

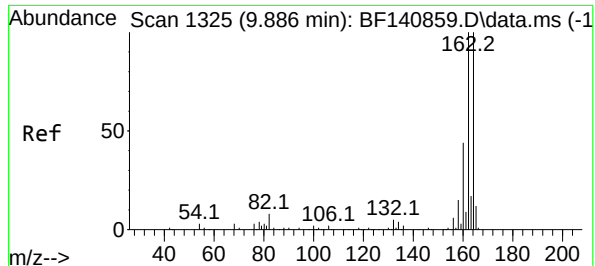
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#38
1-Methylnaphthalene
Concen: 46.215 ng
RT: 8.945 min Scan# 1165
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:142 Resp: 347475
Ion Ratio Lower Upper
142 100
141 91.2 73.4 110.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.886 min Scan# 1152

Delta R.T. -0.000 min

Lab File: BF140948.D

Acq: 20 Dec 2024 14:10

Instrument :

BNA_F

ClientSampleId :

OU4-VSL-11-121224MS

Tgt Ion:164 Resp: 11552

Ion Ratio Lower Upper

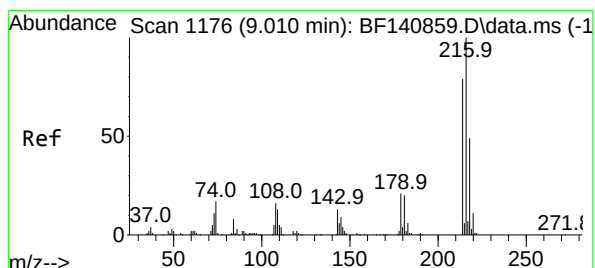
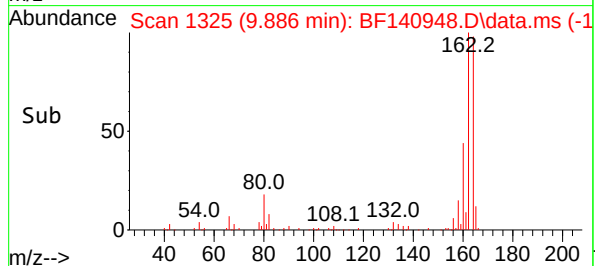
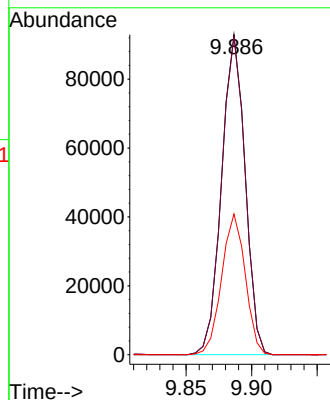
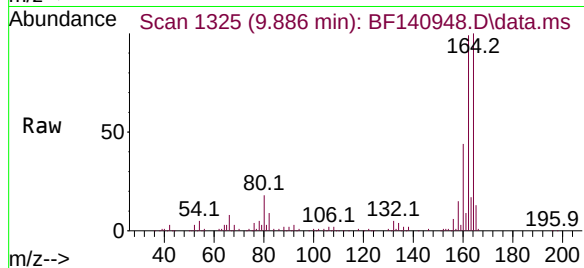
164 100

162 99.3 79.9 119.9

160 43.9 35.2 52.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

#40

1,2,4,5-Tetrachlorobenzene

Concen: 52.053 ng

RT: 9.010 min Scan# 1176

Delta R.T. -0.000 min

Lab File: BF140948.D

Acq: 20 Dec 2024 14:10

Tgt Ion:216 Resp: 184825

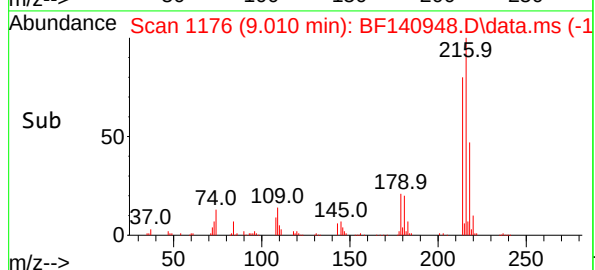
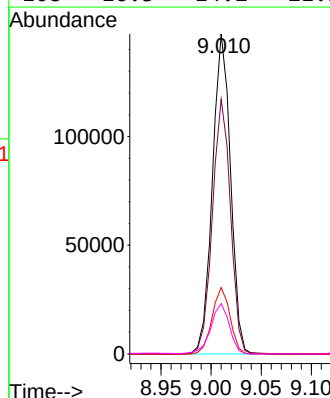
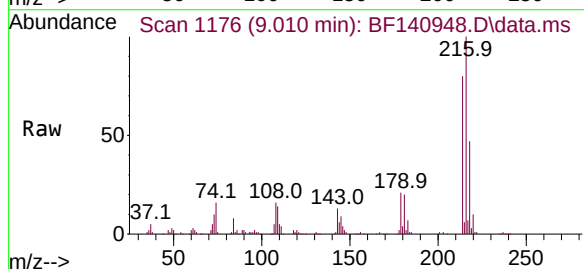
Ion Ratio Lower Upper

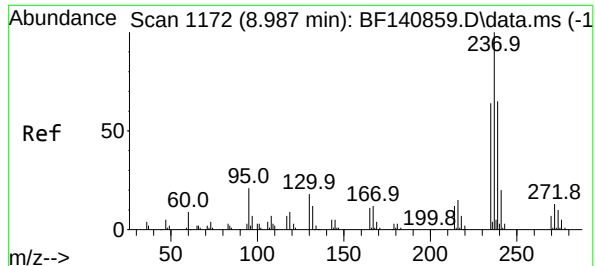
216 100

214 79.4 63.6 95.4

179 20.4 17.0 25.4

108 16.3 14.2 21.2





#41

Hexachlorocyclopentadiene

Concen: 40.992 ng

RT: 8.992 min Scan# 1172

Delta R.T. 0.005 min

Lab File: BF140948.D

Acq: 20 Dec 2024 14:10

Instrument :

BNA_F

ClientSampleId :

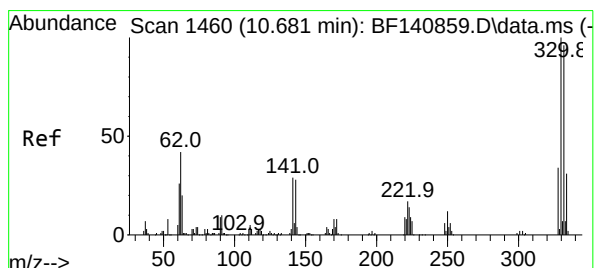
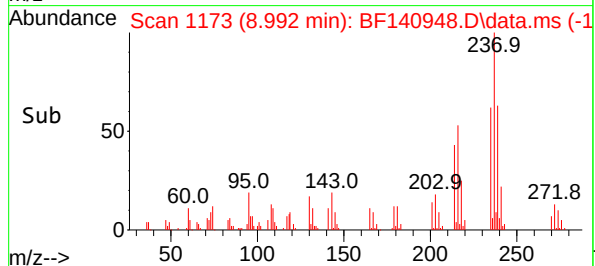
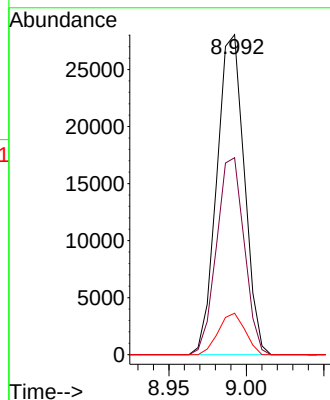
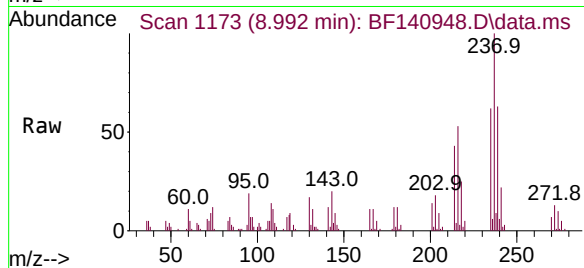
OU4-VSL-11-121224MS

Tgt Ion:237	Resp:	3464
Ion Ratio	Lower	Upper
237	100	
235	61.5	43.7 83.7
272	12.9	0.0 32.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#42

2,4,6-Tribromophenol

Concen: 122.376 ng

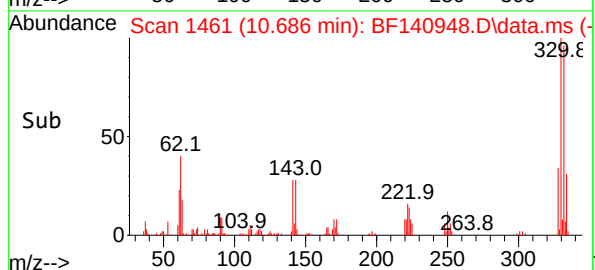
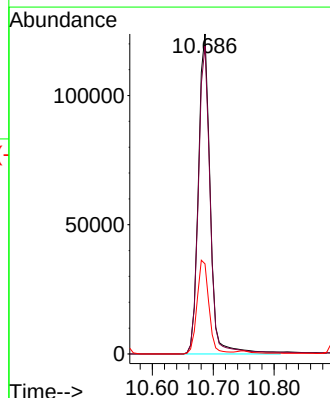
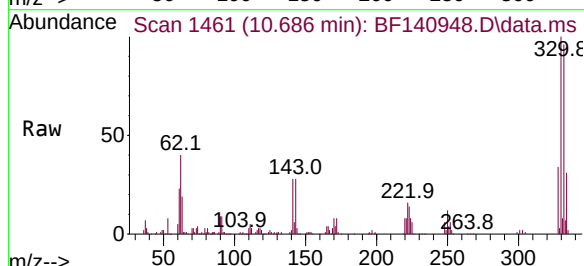
RT: 10.686 min Scan# 1461

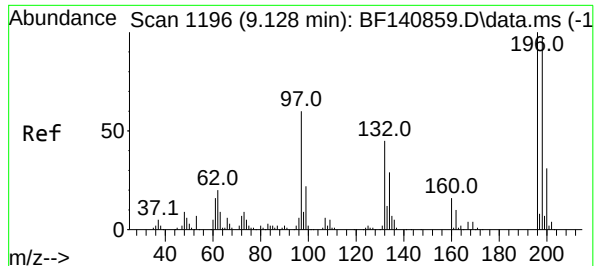
Delta R.T. 0.006 min

Lab File: BF140948.D

Acq: 20 Dec 2024 14:10

Tgt Ion:330	Resp:	167201
Ion Ratio	Lower	Upper
330	100	
332	97.0	76.2 114.4
141	29.4	24.9 37.3





#43

2,4,6-Trichlorophenol

Concen: 50.964 ng

RT: 9.134 min Scan# 1196

Delta R.T. 0.006 min

Lab File: BF140948.D

Acq: 20 Dec 2024 14:10

Instrument :

BNA_F

ClientSampleId :

OU4-VSL-11-121224MS

Tgt Ion:196 Resp: 11080

Ion Ratio Lower Upper

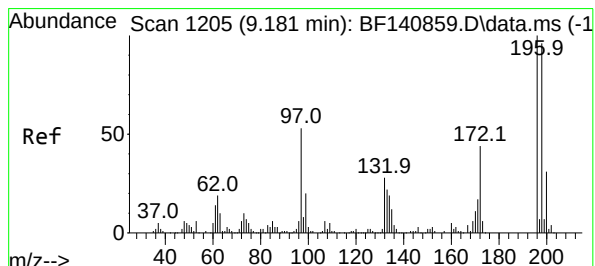
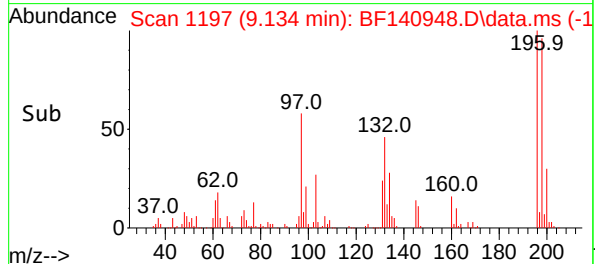
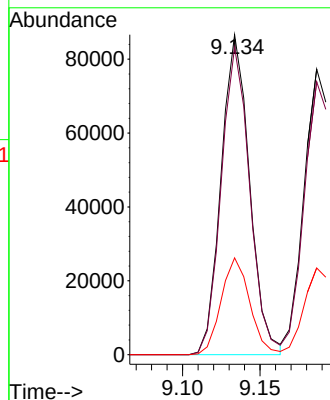
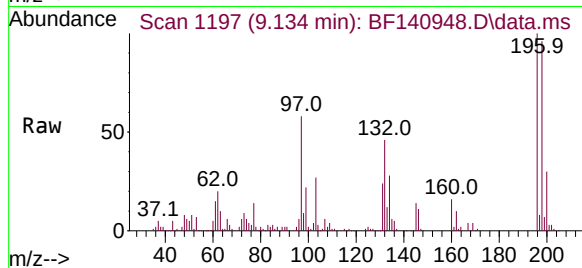
196 100

198 96.0 77.4 116.0

200 30.2 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

#44

2,4,5-Trichlorophenol

Concen: 49.337 ng

RT: 9.187 min Scan# 1206

Delta R.T. 0.006 min

Lab File: BF140948.D

Acq: 20 Dec 2024 14:10

Tgt Ion:196 Resp: 117901

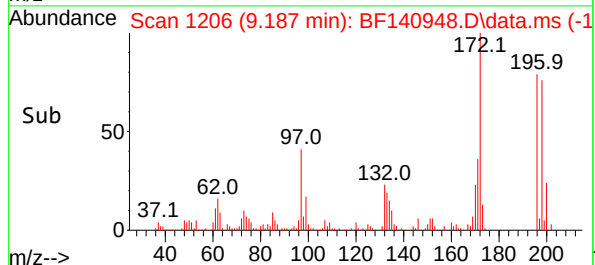
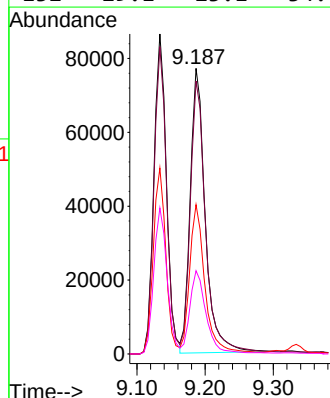
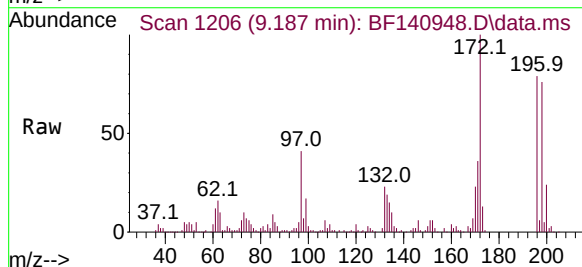
Ion Ratio Lower Upper

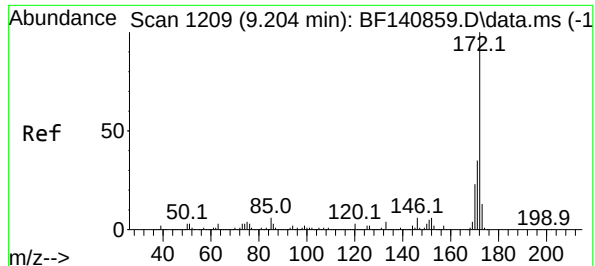
196 100

198 95.6 77.2 115.8

97 52.3 42.2 63.4

132 29.1 23.1 34.7





#45

2-Fluorobiphenyl

Concen: 83.953 ng

RT: 9.204 min Scan# 1209

Delta R.T. -0.000 min

Lab File: BF140948.D

Acq: 20 Dec 2024 14:10

Instrument :

BNA_F

ClientSampleId :

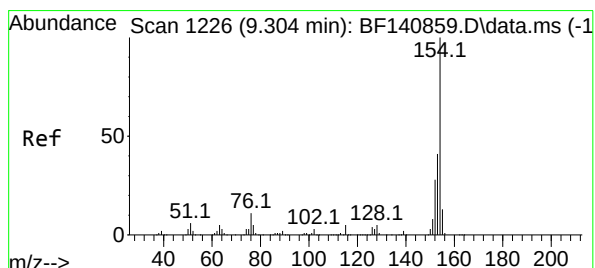
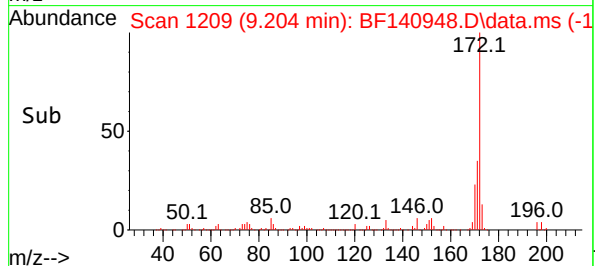
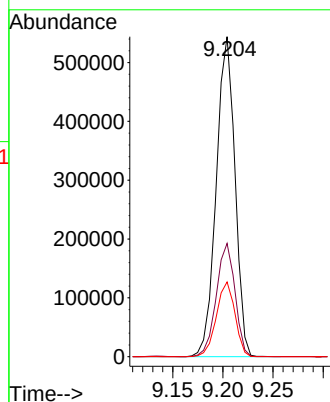
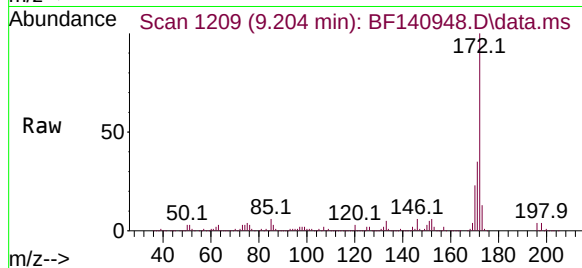
OU4-VSL-11-121224MS

Tgt Ion:	172	Resp:	70541
Ion Ratio	Lower	Upper	
172	100		
171	35.4	28.4	42.6
170	23.3	18.6	28.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#46

1,1'-Biphenyl

Concen: 51.455 ng

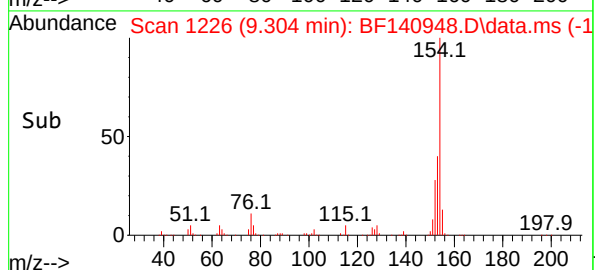
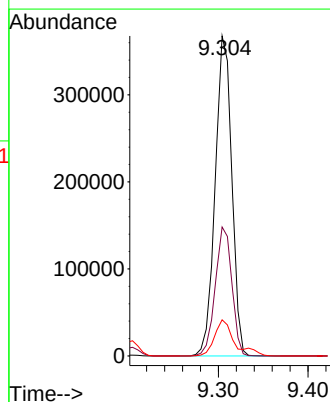
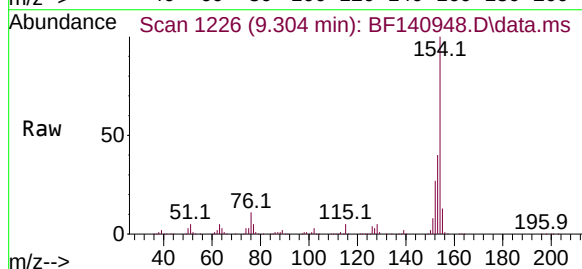
RT: 9.304 min Scan# 1226

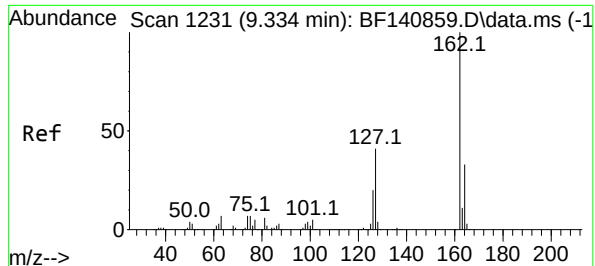
Delta R.T. -0.000 min

Lab File: BF140948.D

Acq: 20 Dec 2024 14:10

Tgt Ion:	154	Resp:	472666
Ion Ratio	Lower	Upper	
154	100		
153	40.3	20.8	60.8
76	11.3	0.0	31.0





#47

2-Chloronaphthalene

Concen: 50.113 ng

RT: 9.334 min Scan# 1231

Delta R.T. -0.000 min

Lab File: BF140948.D

Acq: 20 Dec 2024 14:10

Instrument :

BNA_F

ClientSampleId :

OU4-VSL-11-121224MS

Tgt Ion:162 Resp: 35216

Ion Ratio Lower Upper

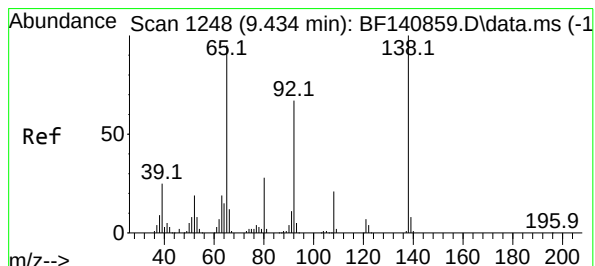
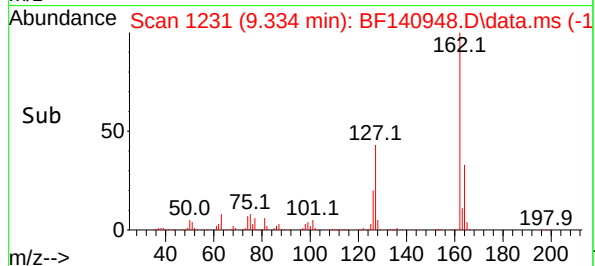
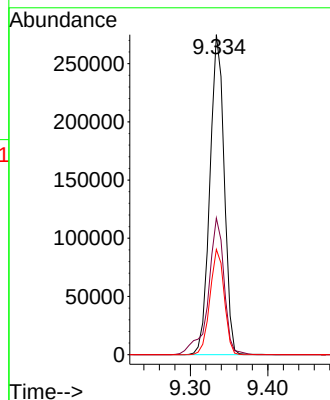
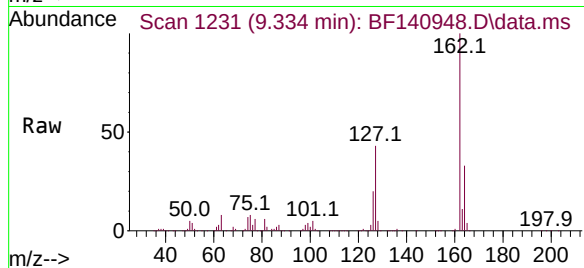
162 100

127 42.7 33.5 50.3

164 32.9 26.2 39.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

#48

2-Nitroaniline

Concen: 51.395 ng

RT: 9.439 min Scan# 1249

Delta R.T. 0.006 min

Lab File: BF140948.D

Acq: 20 Dec 2024 14:10

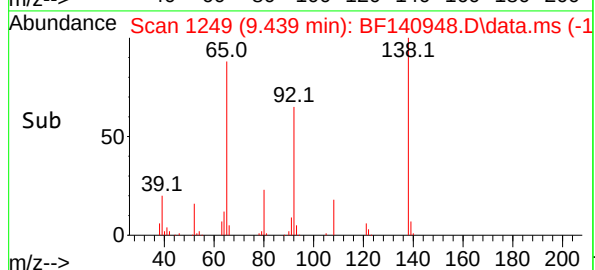
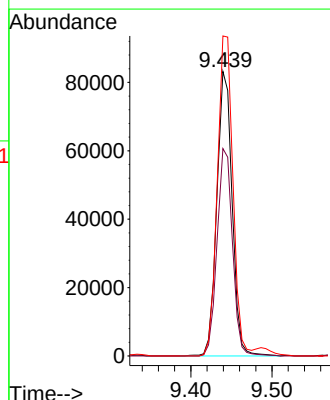
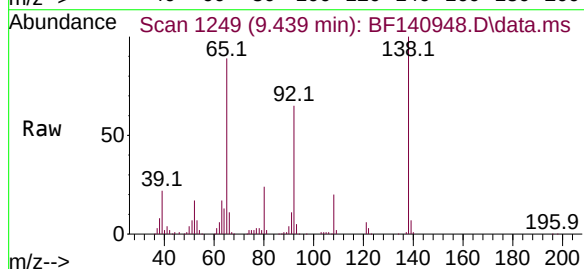
Tgt Ion: 65 Resp: 109079

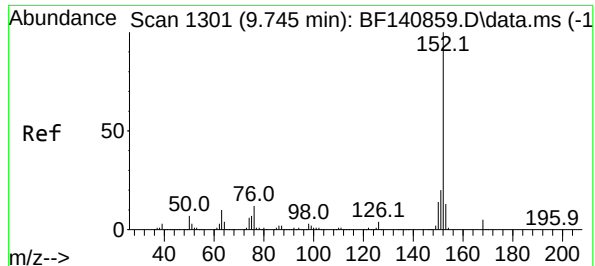
Ion Ratio Lower Upper

65 100

92 72.9 56.3 84.5

138 112.5 83.8 125.6





#49

Acenaphthylene

Concen: 55.834 ng

RT: 9.751 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF140948.D

Acq: 20 Dec 2024 14:10

Instrument :

BNA_F

ClientSampleId :

OU4-VSL-11-121224MS

Tgt Ion:152 Resp: 576620

Ion Ratio Lower Upper

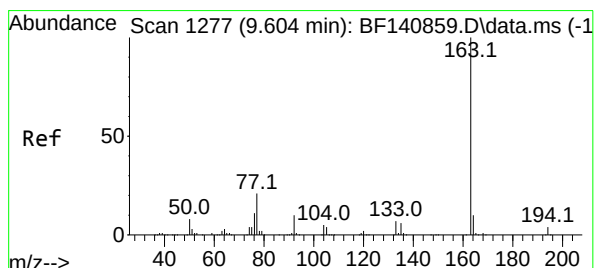
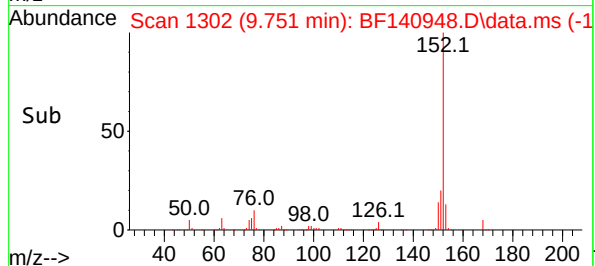
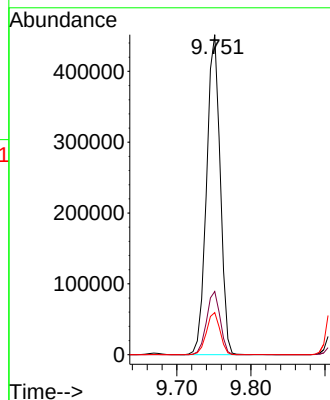
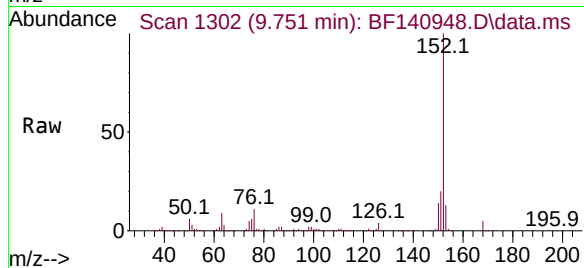
152 100

151 19.7 16.0 24.0

153 13.1 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

#50

Dimethylphthalate

Concen: 50.222 ng

RT: 9.604 min Scan# 1277

Delta R.T. -0.000 min

Lab File: BF140948.D

Acq: 20 Dec 2024 14:10

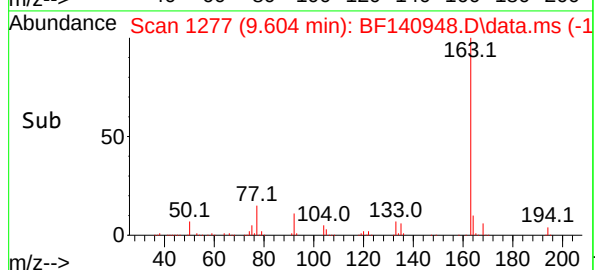
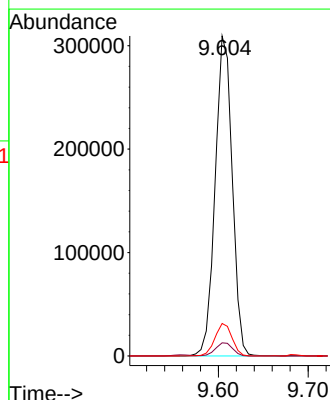
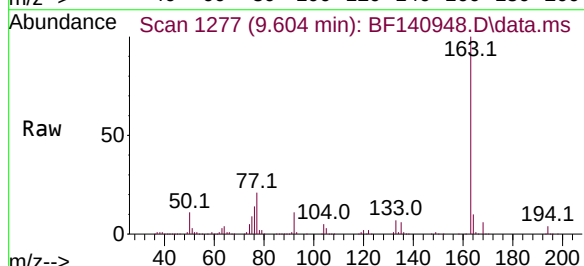
Tgt Ion:163 Resp: 409034

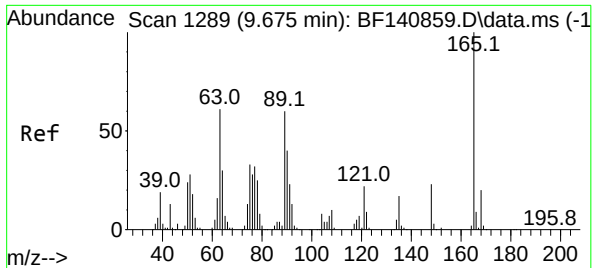
Ion Ratio Lower Upper

163 100

194 4.1 3.1 4.7

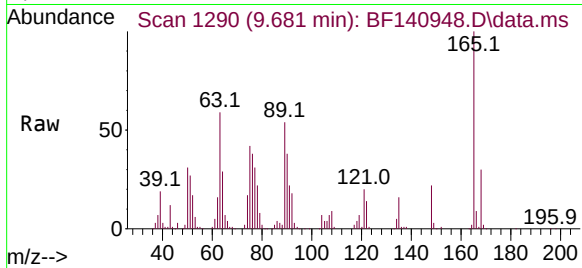
164 10.1 8.1 12.1





#51
2,6-Dinitrotoluene
Concen: 49.668 ng
RT: 9.681 min Scan# 1289
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

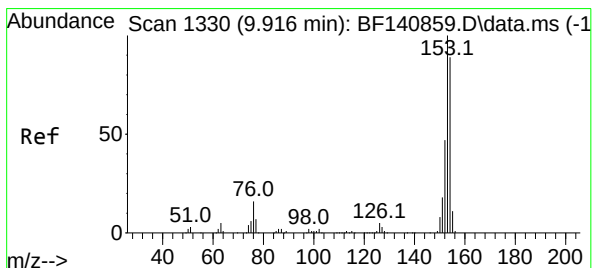
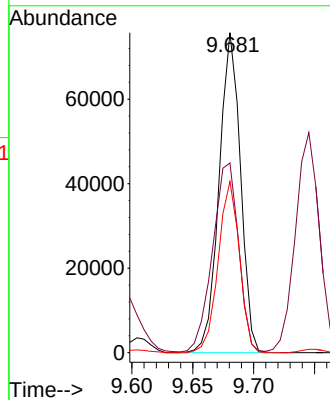
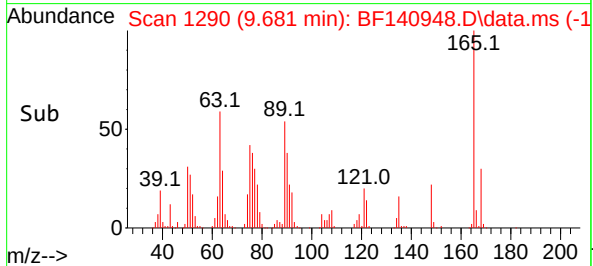
Instrument :
BNA_F
ClientSampleId :
OU4-VSL-11-121224MS



Tgt Ion:165 Resp: 92478
Ion Ratio Lower Upper
165 100
63 59.3 49.7 74.5
89 53.5 48.2 72.4

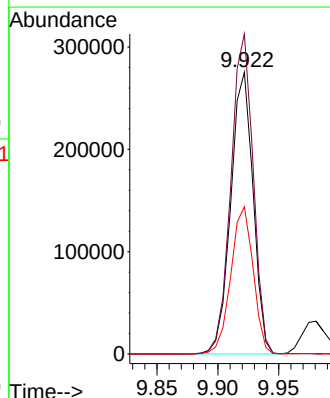
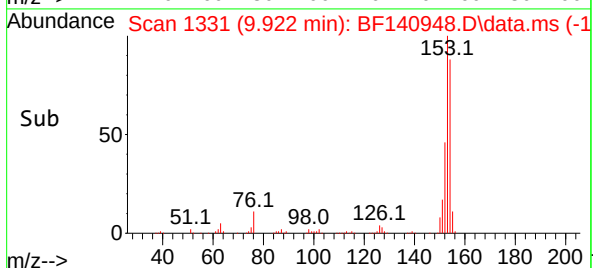
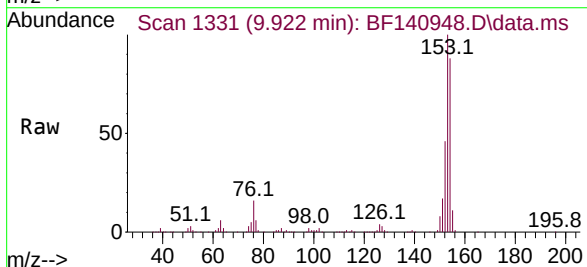
Manual Integrations
APPROVED

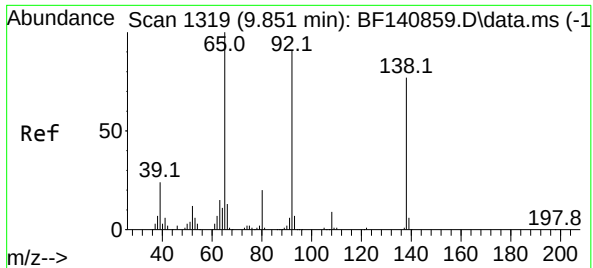
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#52
Acenaphthene
Concen: 53.237 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

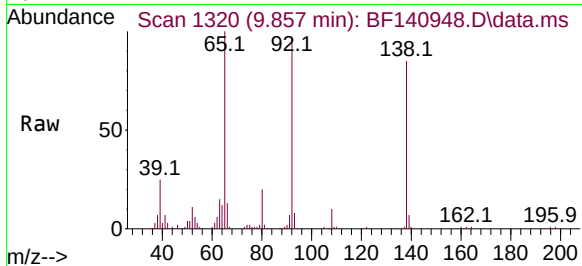
Tgt Ion:154 Resp: 351200
Ion Ratio Lower Upper
154 100
153 113.6 89.9 134.9
152 52.3 42.6 63.8





#53
3-Nitroaniline
Concen: 30.057 ng
RT: 9.857 min Scan# 1319
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

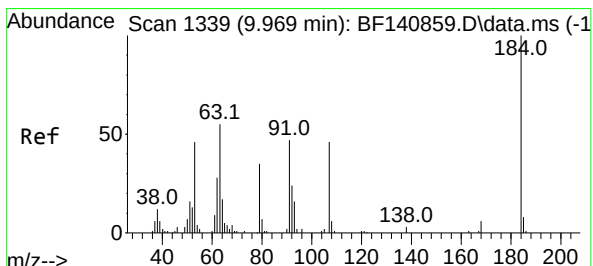
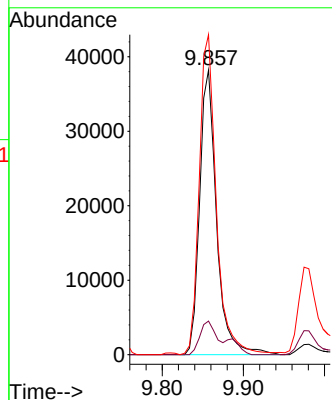
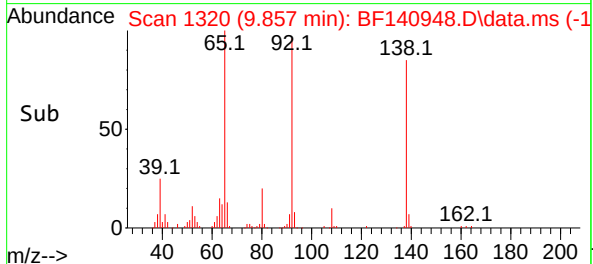
Instrument :
BNA_F
ClientSampleId :
OU4-VSL-11-121224MS



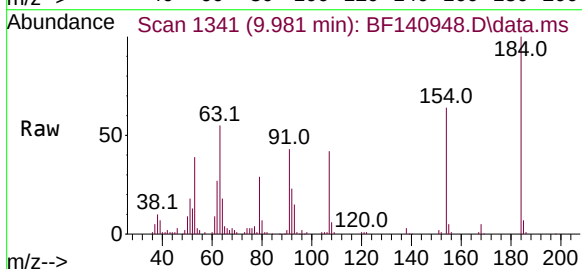
Tgt Ion:138 Resp: 55538
Ion Ratio Lower Upper
138 100
108 11.8 9.0 13.4
92 112.5 95.5 143.3

Manual Integrations
APPROVED

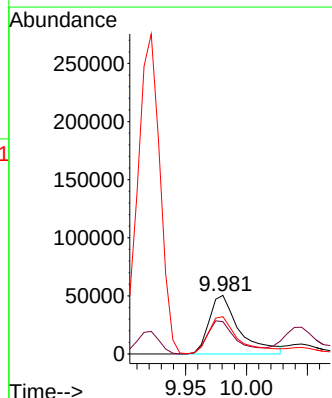
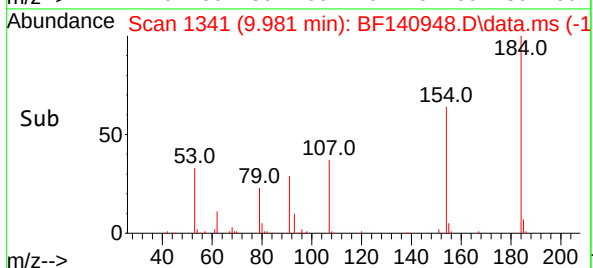
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

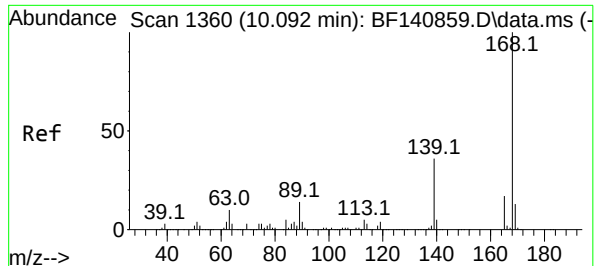


#54
2,4-Dinitrophenol
Concen: 95.155 ng
RT: 9.981 min Scan# 1341
Delta R.T. 0.012 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10



Tgt Ion:184 Resp: 87671
Ion Ratio Lower Upper
184 100
63 55.3 51.6 77.4
154 63.7 56.1 84.1





#55

Dibenzenofuran

Concen: 52.577 ng

RT: 10.092 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF140948.D

Acq: 20 Dec 2024 14:10

Instrument :

BNA_F

ClientSampleId :

OU4-VSL-11-121224MS

Tgt Ion:168 Resp: 53745

Ion Ratio Lower Upper

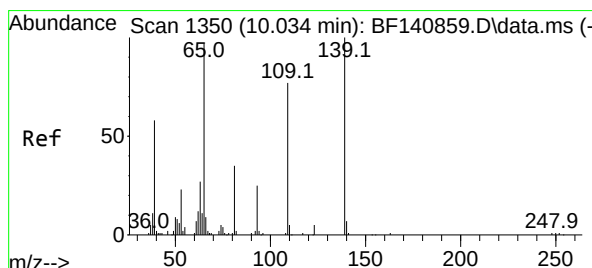
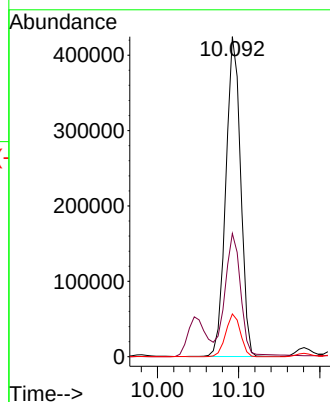
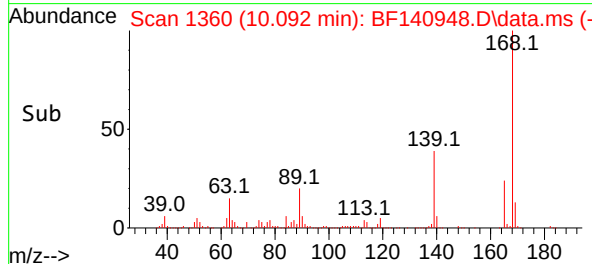
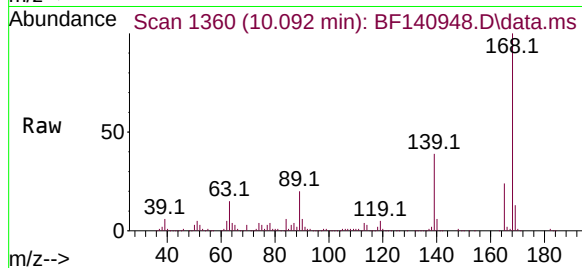
168 100

139 38.5 31.1 46.7

169 13.4 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

#56

4-Nitrophenol

Concen: 83.625 ng

RT: 10.045 min Scan# 1352

Delta R.T. 0.011 min

Lab File: BF140948.D

Acq: 20 Dec 2024 14:10

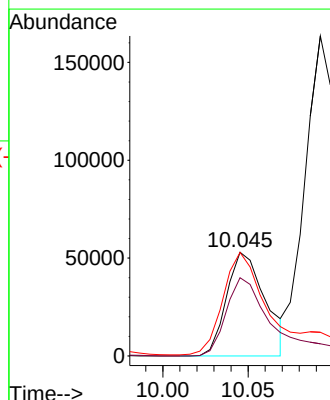
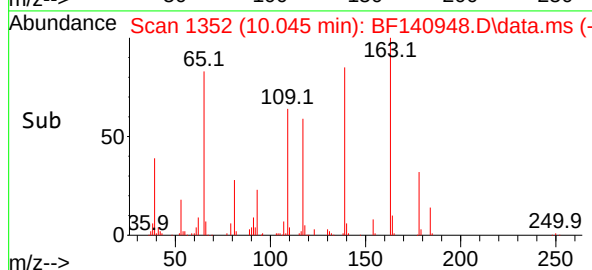
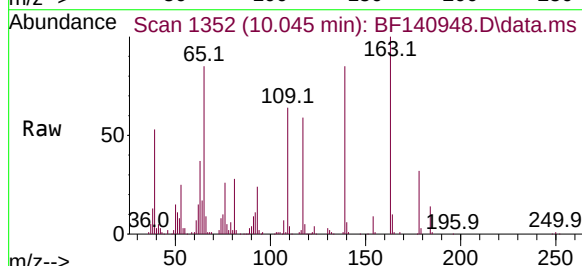
Tgt Ion:139 Resp: 83327

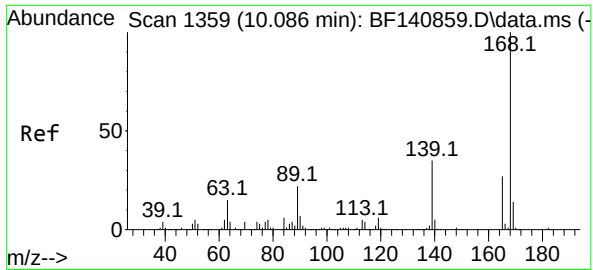
Ion Ratio Lower Upper

139 100

109 75.4 56.7 96.7

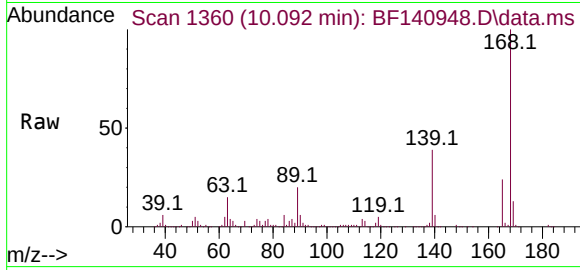
65 99.8 78.1 118.1





#57
2,4-Dinitrotoluene
Concen: 52.166 ng
RT: 10.092 min Scan# 1359
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

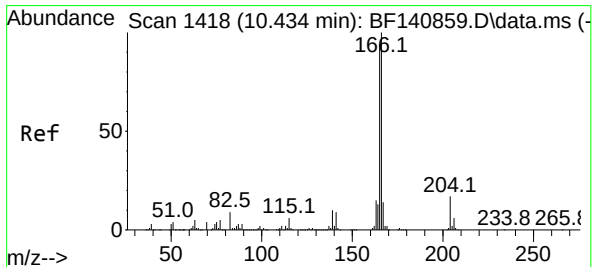
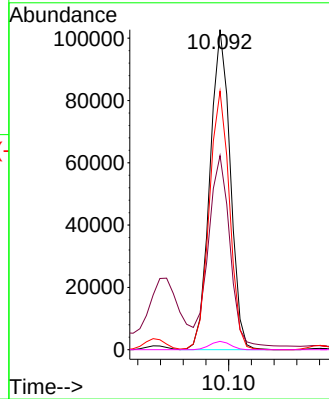
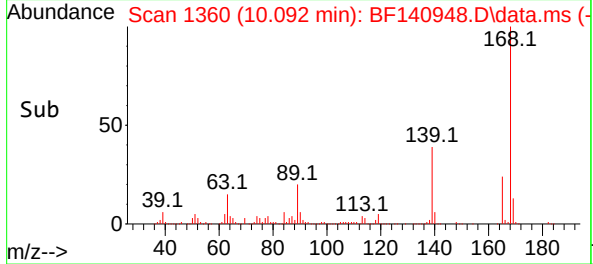
Instrument :
BNA_F
ClientSampleId :
OU4-VSL-11-121224MS



Tgt Ion:165 Resp: 12779
Ion Ratio Lower Upper
165 100
63 60.7 49.3 73.9
89 80.8 66.2 99.4
182 2.6 2.1 3.1

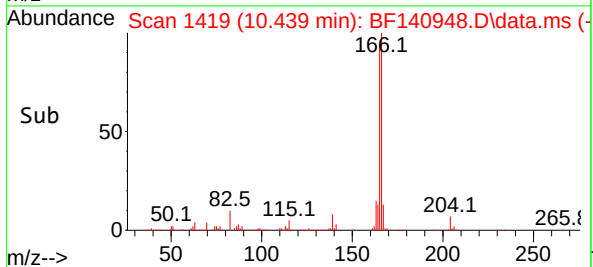
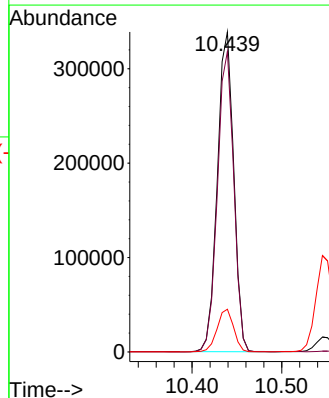
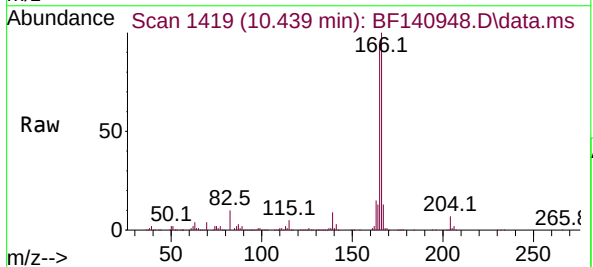
Manual Integrations
APPROVED

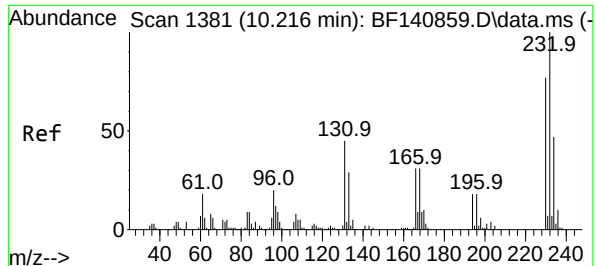
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#58
Fluorene
Concen: 50.841 ng
RT: 10.439 min Scan# 1419
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

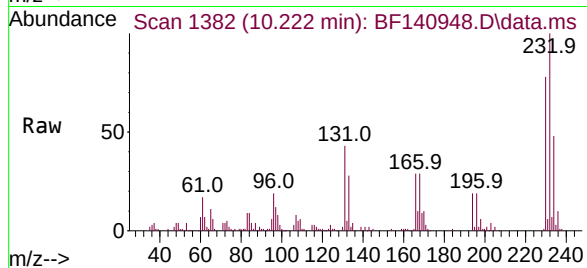
Tgt Ion:166 Resp: 428757
Ion Ratio Lower Upper
166 100
165 93.9 75.1 112.7
167 13.3 11.1 16.7





#59
2,3,4,6-Tetrachlorophenol
Concen: 52.272 ng
RT: 10.222 min Scan# 1382
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

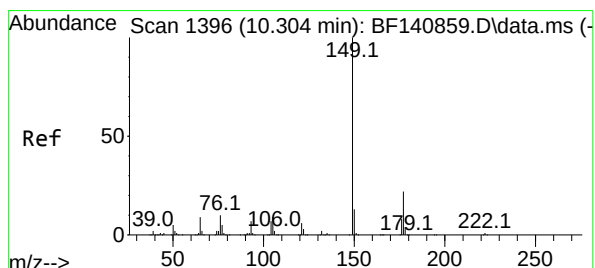
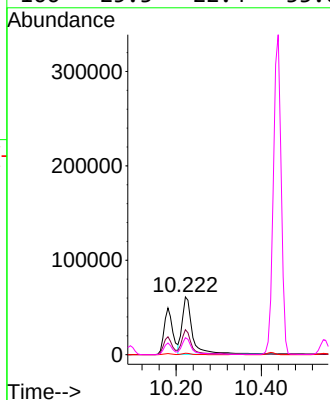
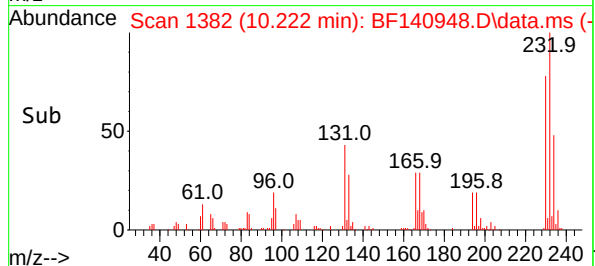
Instrument :
BNA_F
ClientSampleId :
OU4-VSL-11-121224MS



Tgt Ion:232 Resp: 101780
Ion Ratio Lower Upper
232 100
131 37.4 35.1 52.7
130 2.3 1.8 2.8
166 25.3 22.4 33.6

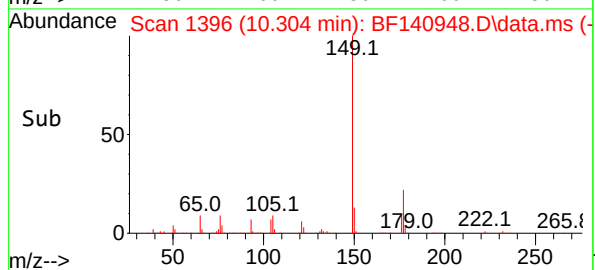
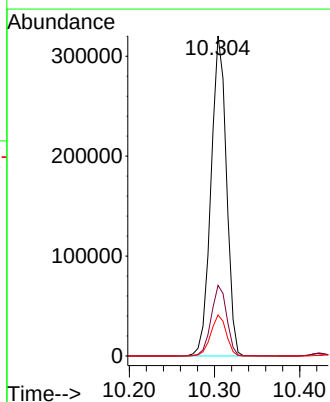
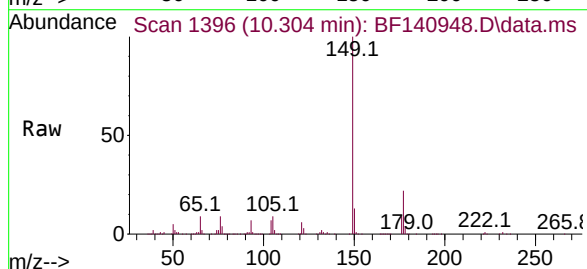
Manual Integrations
APPROVED

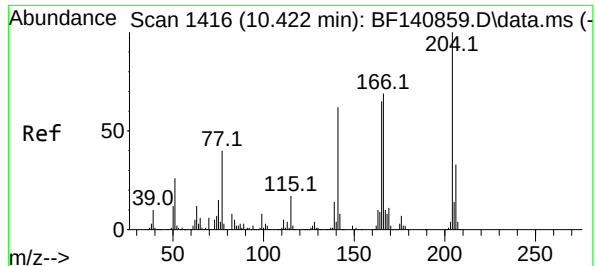
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#60
Diethylphthalate
Concen: 47.990 ng
RT: 10.304 min Scan# 1396
Delta R.T. -0.000 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

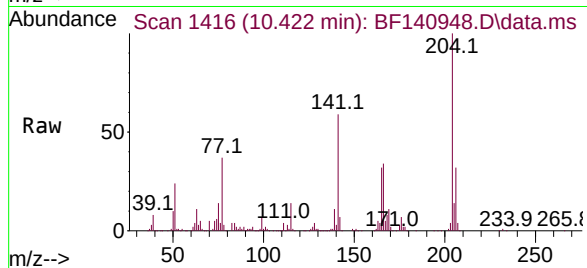
Tgt Ion:149 Resp: 405299
Ion Ratio Lower Upper
149 100
177 22.1 17.2 25.8
150 12.8 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 50.243 ng
RT: 10.422 min Scan# 1416
Delta R.T. -0.000 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

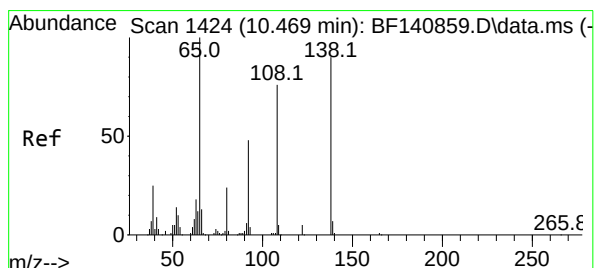
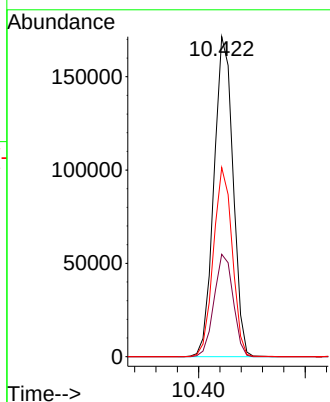
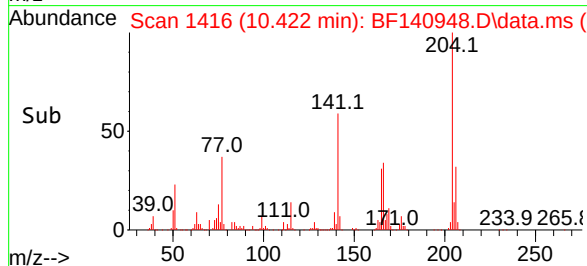
Instrument :
BNA_F
ClientSampleId :
OU4-VSL-11-121224MS



Tgt Ion:204 Resp: 212840
Ion Ratio Lower Upper
204 100
206 32.0 26.5 39.7
141 59.1 50.0 75.0

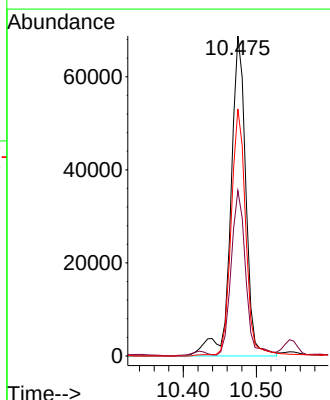
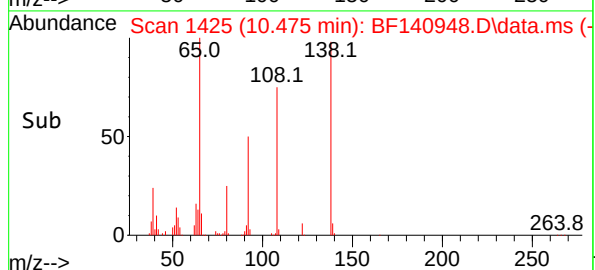
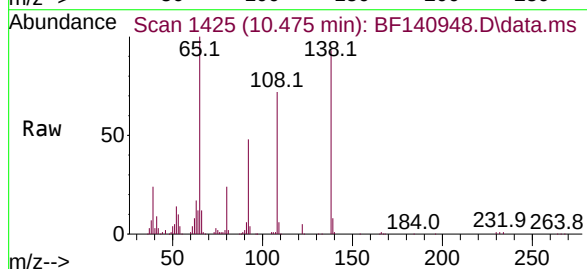
Manual Integrations
APPROVED

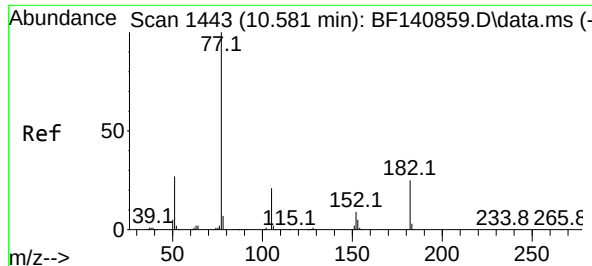
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#62
4-Nitroaniline
Concen: 50.949 ng m
RT: 10.475 min Scan# 1425
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

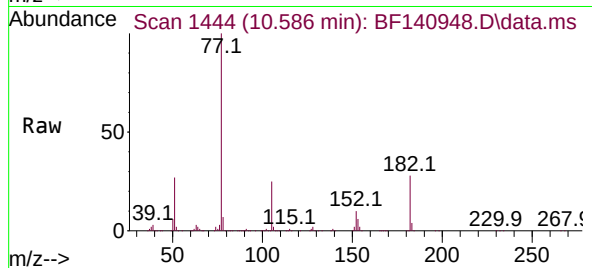
Tgt Ion:138 Resp: 98375
Ion Ratio Lower Upper
138 100
92 51.7 32.6 72.6
108 77.2 64.1 104.1





#63
Azobenzene
Concen: 54.056 ng
RT: 10.586 min Scan# 1443
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

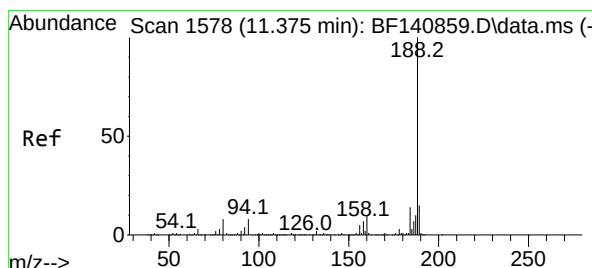
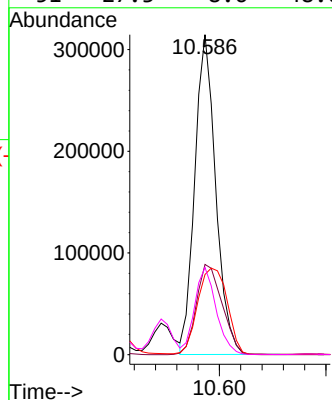
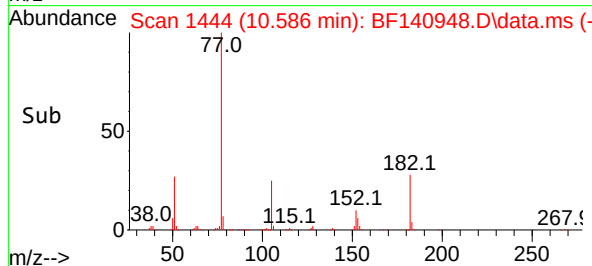
Instrument :
BNA_F
ClientSampleId :
OU4-VSL-11-121224MS



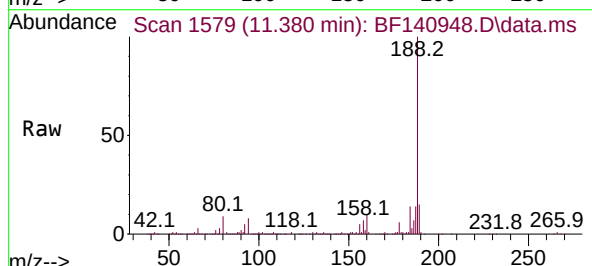
Tgt Ion: 77 Resp: 429190
Ion Ratio Lower Upper
77 100
182 28.2 4.5 44.5
105 25.0 0.9 40.9
51 27.3 8.6 48.6

Manual Integrations
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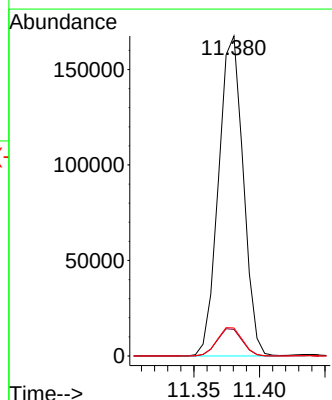
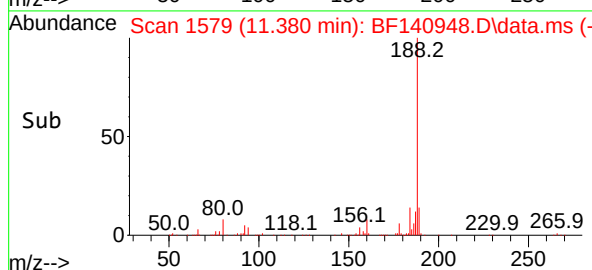
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

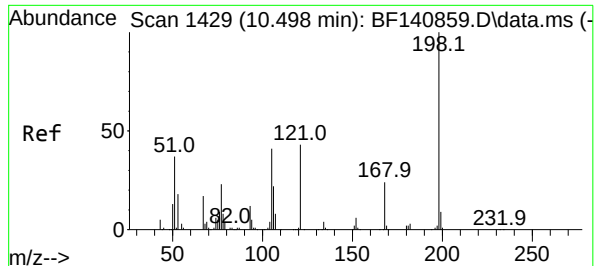


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.380 min Scan# 1579
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10



Tgt Ion:188 Resp: 219277
Ion Ratio Lower Upper
188 100
94 8.3 6.4 9.6
80 8.7 6.8 10.2





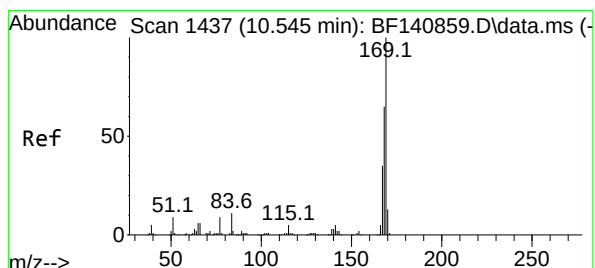
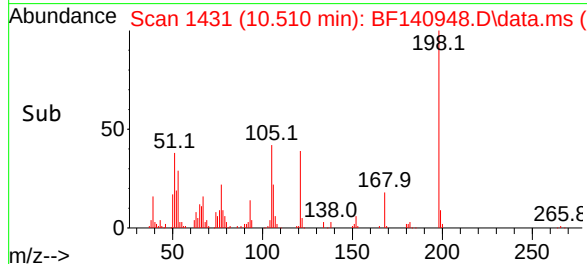
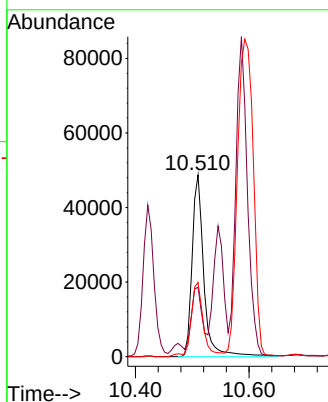
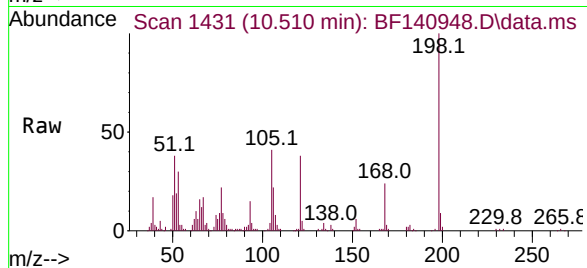
#65
4,6-Dinitro-2-methylphenol
Concen: 56.637 ng
RT: 10.510 min Scan# 1429
Delta R.T. 0.012 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Instrument :
BNA_F
ClientSampleId :
OU4-VSL-11-121224MS

Tgt Ion:198 Resp: 70374
Ion Ratio Lower Upper
198 100
51 38.1 24.4 64.4
105 40.9 22.1 62.1

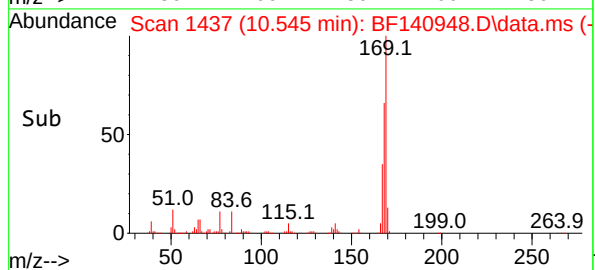
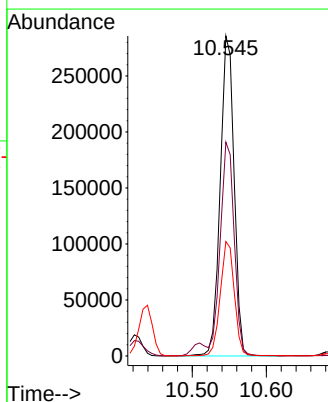
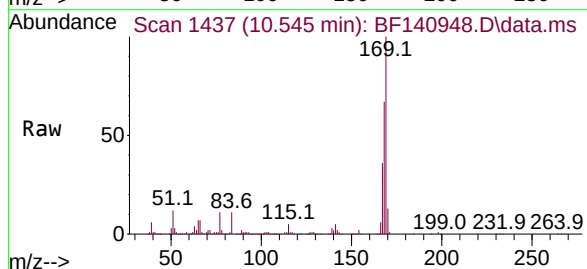
Manual Integrations
APPROVED

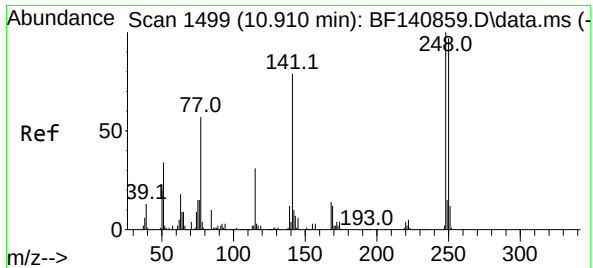
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#66
n-Nitrosodiphenylamine
Concen: 55.234 ng
RT: 10.545 min Scan# 1437
Delta R.T. -0.000 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

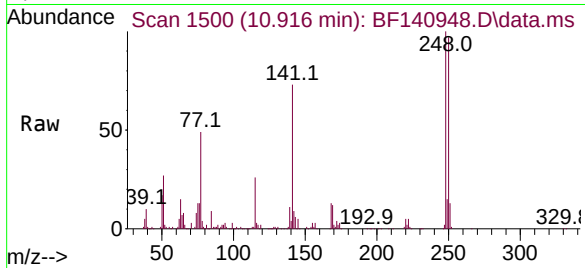
Tgt Ion:169 Resp: 372378
Ion Ratio Lower Upper
169 100
168 66.8 53.4 80.0
167 35.7 28.3 42.5





#67
4-Bromophenyl-phenylether
Concen: 50.908 ng
RT: 10.916 min Scan# 1499
Delta R.T. 0.006 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

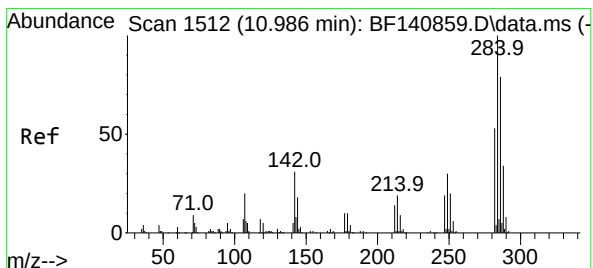
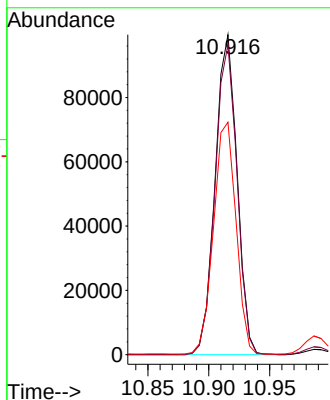
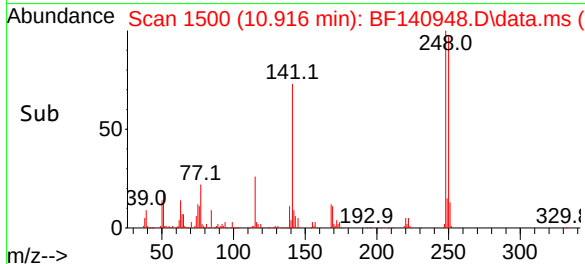
Instrument :
BNA_F
ClientSampleId :
OU4-VSL-11-121224MS



Tgt Ion:248 Resp: 12488
Ion Ratio Lower Upper
248 100
250 97.0 77.4 116.2
141 72.6 62.9 94.3

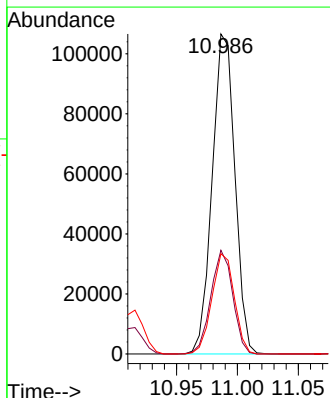
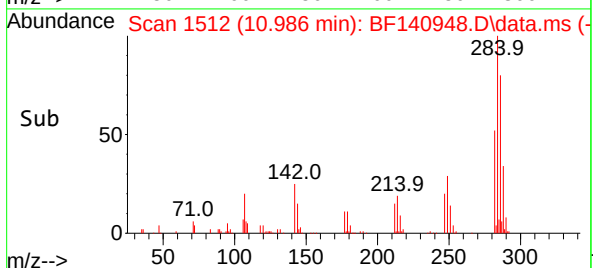
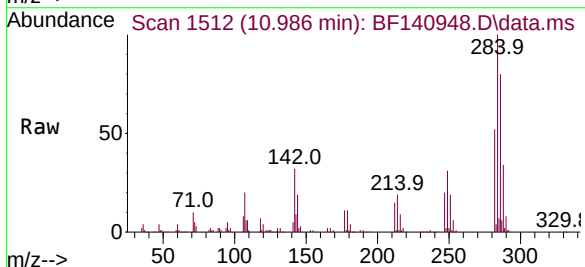
Manual Integrations
APPROVED

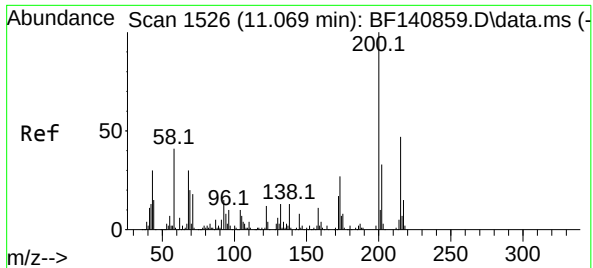
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#68
Hexachlorobenzene
Concen: 49.700 ng
RT: 10.986 min Scan# 1512
Delta R.T. -0.000 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:284 Resp: 138231
Ion Ratio Lower Upper
284 100
142 32.4 24.6 36.8
249 31.3 24.3 36.5





#69

Atrazine

Concen: 62.062 ng

RT: 11.075 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF140948.D

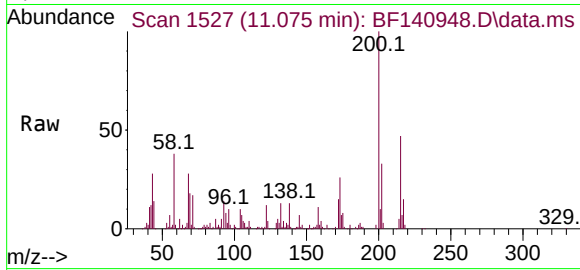
Acq: 20 Dec 2024 14:10

Instrument :

BNA_F

ClientSampleId :

OU4-VSL-11-121224MS



Tgt Ion:200 Resp: 11685

Ion Ratio Lower Upper

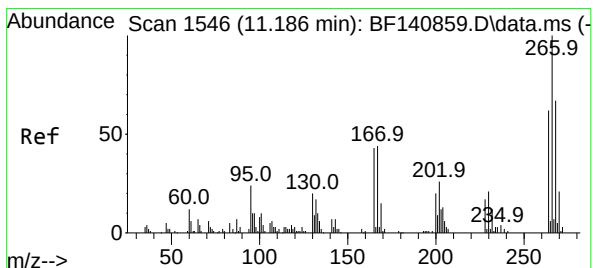
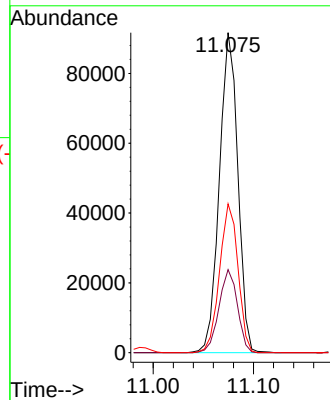
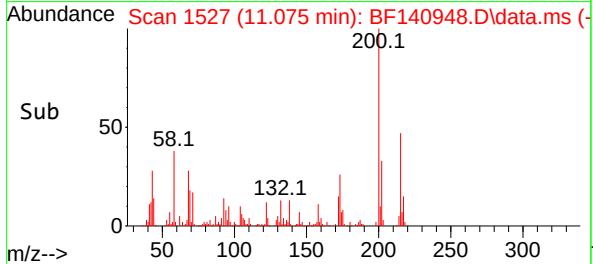
200 100

173 25.9 6.6 46.6

215 46.5 26.7 66.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

#70

Pentachlorophenol

Concen: 77.662 ng

RT: 11.198 min Scan# 1548

Delta R.T. 0.012 min

Lab File: BF140948.D

Acq: 20 Dec 2024 14:10

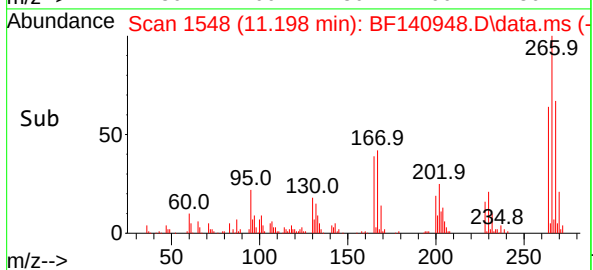
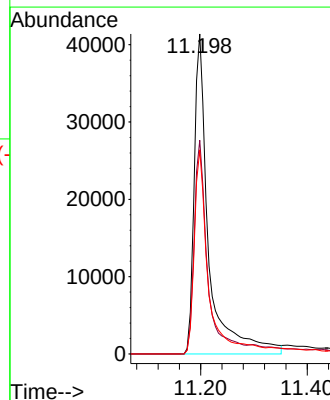
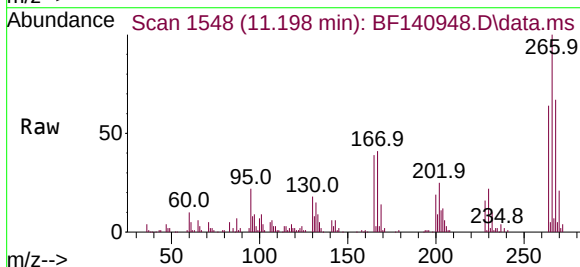
Tgt Ion:266 Resp: 78972

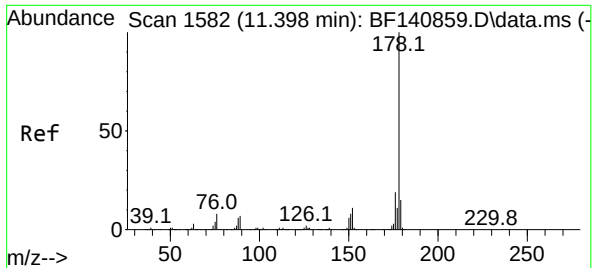
Ion Ratio Lower Upper

266 100

268 66.8 54.0 81.0

264 63.8 49.4 74.2





#71

Phenanthrene

Concen: 55.721 ng

RT: 11.404 min Scan# 1583

Delta R.T. 0.006 min

Lab File: BF140948.D

Acq: 20 Dec 2024 14:10

Instrument :

BNA_F

ClientSampleId :

OU4-VSL-11-121224MS

Tgt Ion:178 Resp: 628319

Ion Ratio Lower Upper

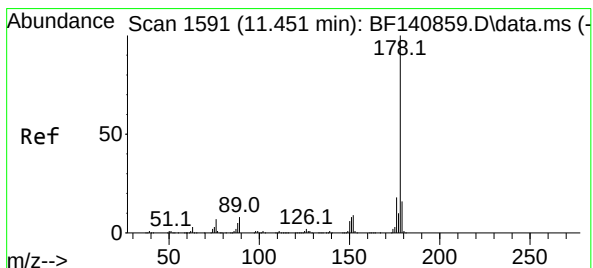
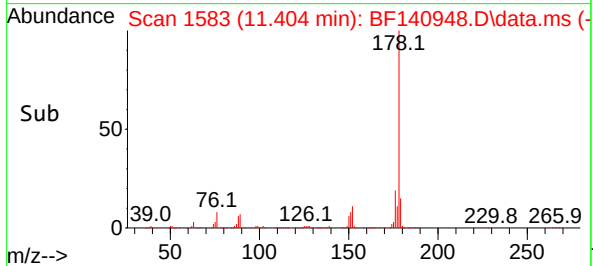
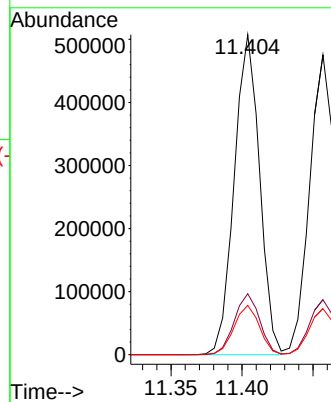
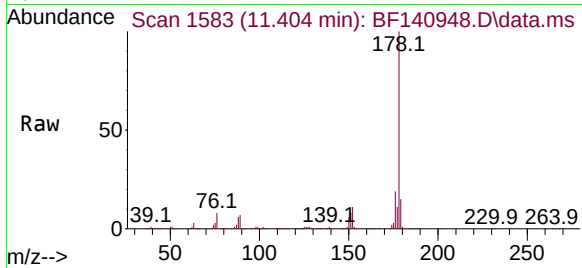
178 100

176 19.0 15.4 23.2

179 15.4 12.1 18.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

#72

Anthracene

Concen: 53.762 ng

RT: 11.457 min Scan# 1592

Delta R.T. 0.006 min

Lab File: BF140948.D

Acq: 20 Dec 2024 14:10

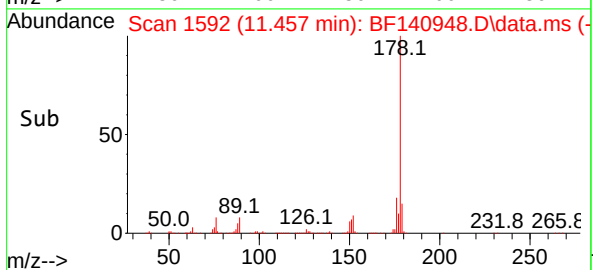
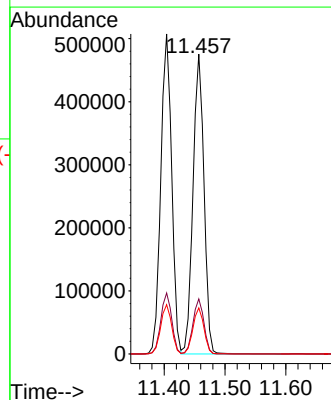
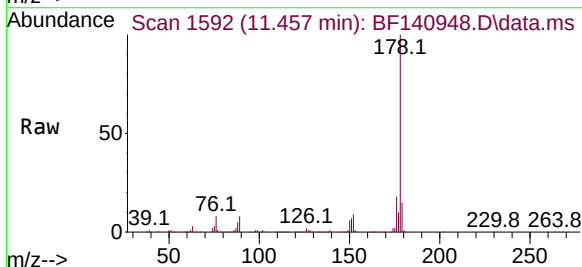
Tgt Ion:178 Resp: 597017

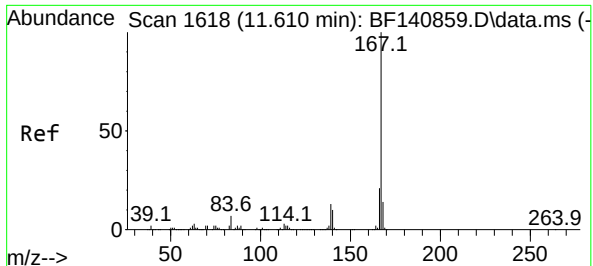
Ion Ratio Lower Upper

178 100

176 18.3 14.6 22.0

179 15.4 12.6 18.8





#73

Carbazole

Concen: 52.355 ng

RT: 11.616 min Scan# 1618

Delta R.T. 0.006 min

Lab File: BF140948.D

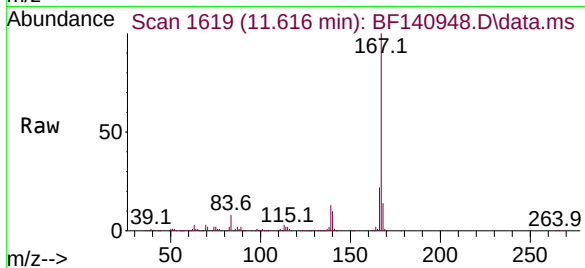
Acq: 20 Dec 2024 14:10

Instrument :

BNA_F

ClientSampleId :

OU4-VSL-11-121224MS



Tgt Ion:167 Resp: 569460

Ion Ratio Lower Upper

167 100

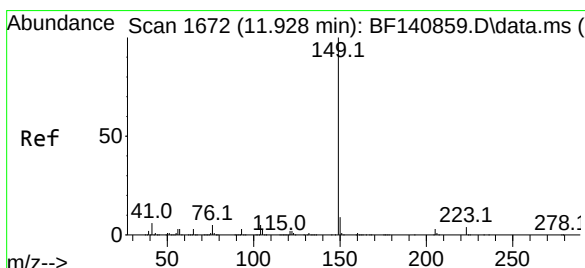
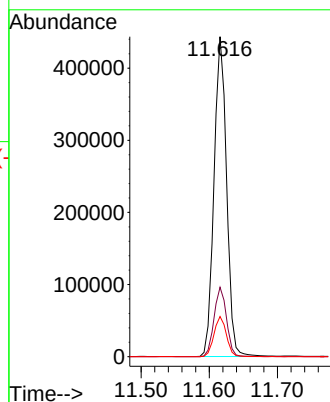
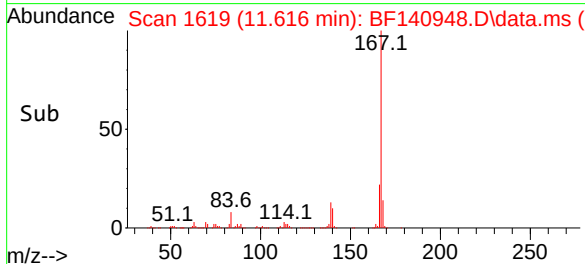
166 21.7 17.0 25.6

139 12.5 10.2 15.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
 Supervised By :mohammad ahmed 12/24/2024



#74

Di-n-butylphthalate

Concen: 49.999 ng

RT: 11.928 min Scan# 1672

Delta R.T. -0.000 min

Lab File: BF140948.D

Acq: 20 Dec 2024 14:10

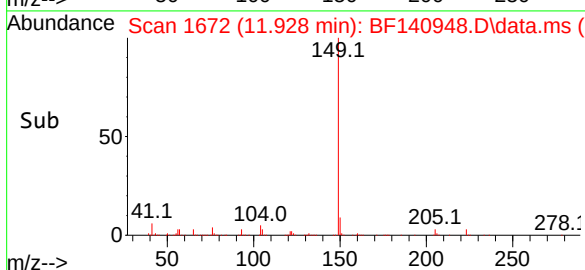
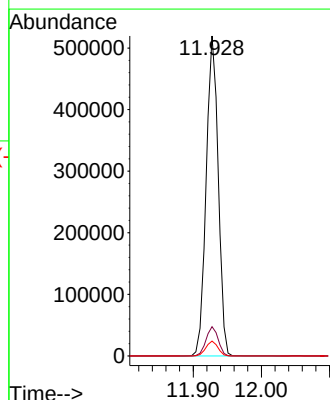
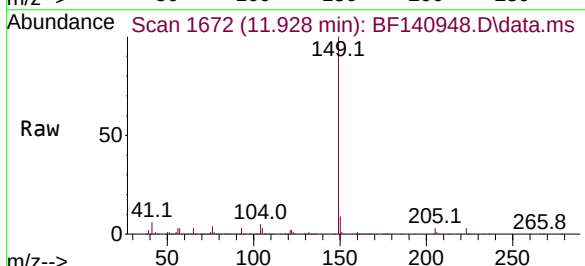
Tgt Ion:149 Resp: 638255

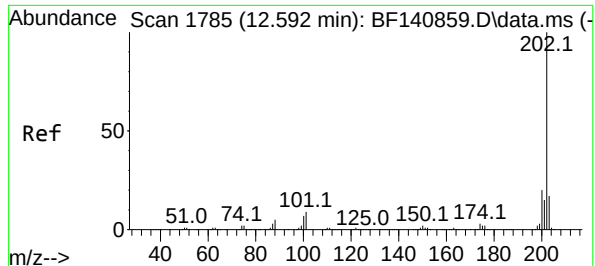
Ion Ratio Lower Upper

149 100

150 9.2 7.5 11.3

104 4.6 3.8 5.8





#75

Fluoranthene

Concen: 49.060 ng

RT: 12.598 min Scan# 1786

Delta R.T. 0.006 min

Lab File: BF140948.D

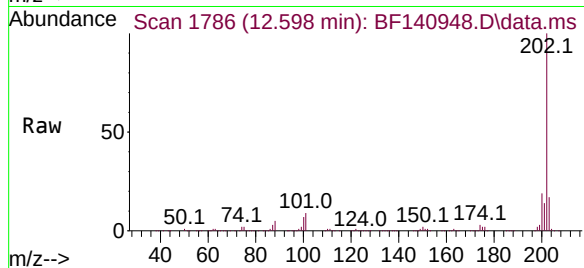
Acq: 20 Dec 2024 14:10

Instrument :

BNA_F

ClientSampleId :

OU4-VSL-11-121224MS



Tgt Ion:202 Resp: 63710

Ion Ratio Lower Upper

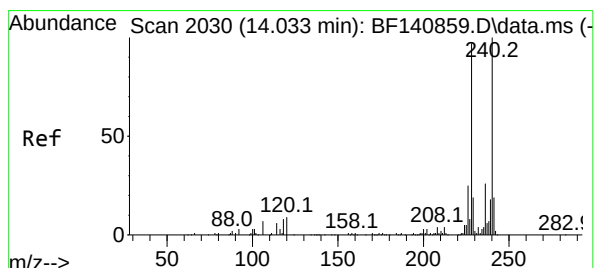
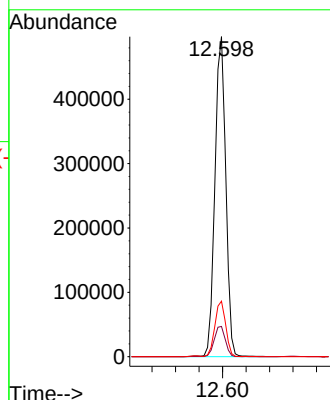
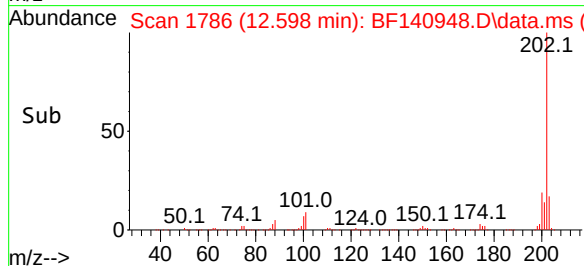
202 100

101 9.5 0.0 29.3

203 17.4 0.0 37.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2030

Delta R.T. -0.000 min

Lab File: BF140948.D

Acq: 20 Dec 2024 14:10

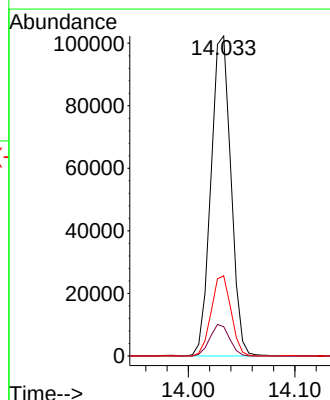
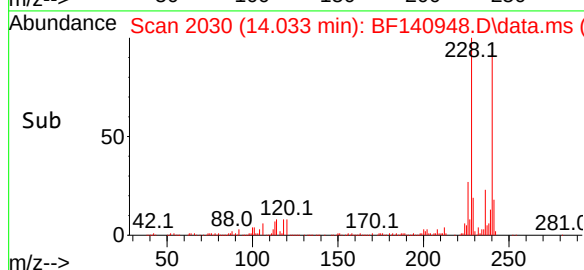
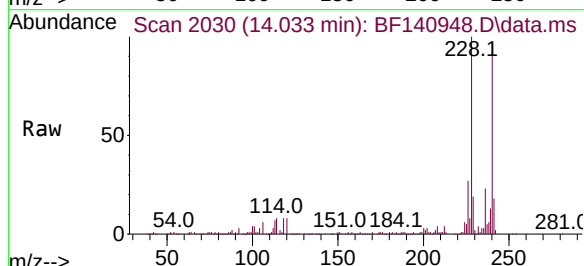
Tgt Ion:240 Resp: 133308

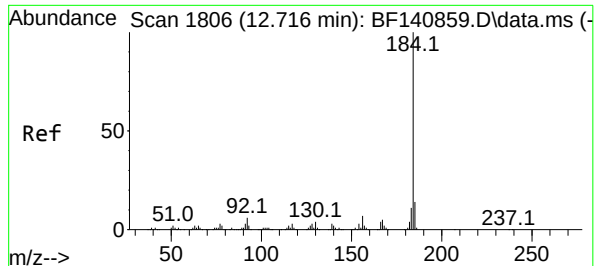
Ion Ratio Lower Upper

240 100

120 9.1 7.6 11.4

236 25.1 20.5 30.7





#77

Benzidine

Concen: 46.021 ng

RT: 12.722 min Scan# 1807

Delta R.T. 0.006 min

Lab File: BF140948.D

Acq: 20 Dec 2024 14:10

Instrument :

BNA_F

ClientSampleId :

OU4-VSL-11-121224MS

Tgt Ion:184 Resp: 12521

Ion Ratio Lower Upper

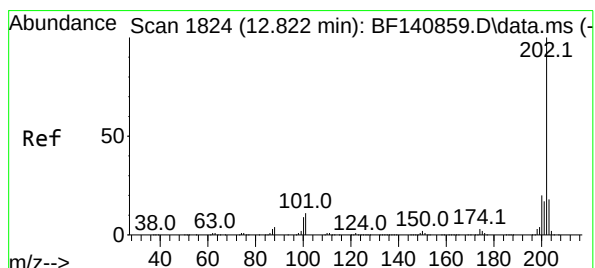
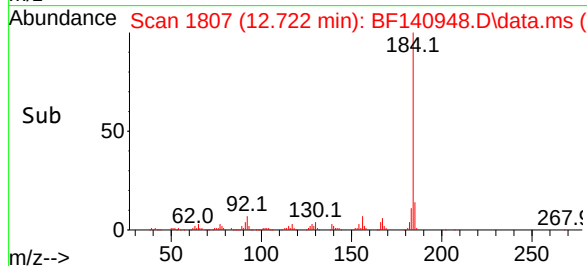
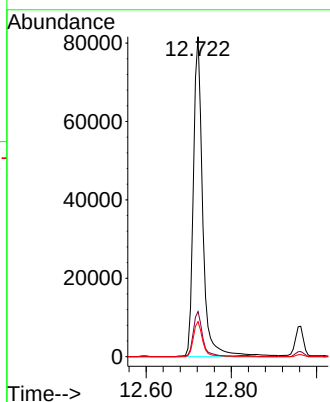
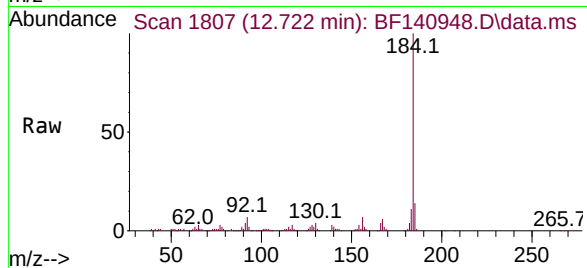
184 100

185 14.1 11.1 16.7

183 10.9 9.0 13.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

#78

Pyrene

Concen: 56.171 ng

RT: 12.827 min Scan# 1825

Delta R.T. 0.006 min

Lab File: BF140948.D

Acq: 20 Dec 2024 14:10

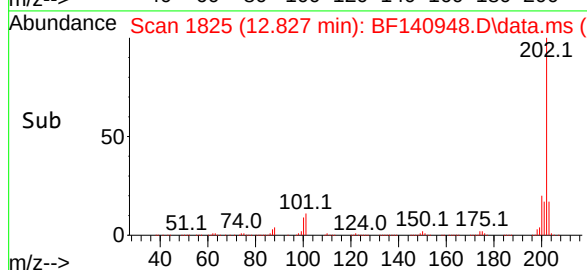
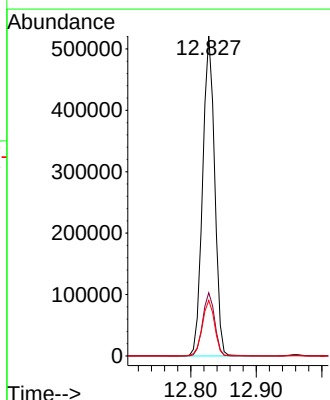
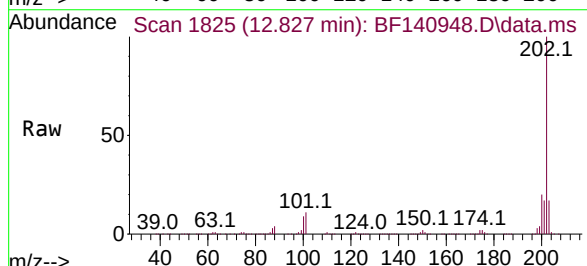
Tgt Ion:202 Resp: 665883

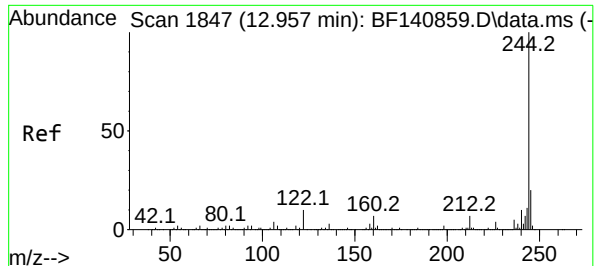
Ion Ratio Lower Upper

202 100

200 19.7 16.1 24.1

203 17.4 14.2 21.4





#79

Terphenyl-d14

Concen: 91.048 ng

RT: 12.963 min Scan# 1848

Delta R.T. 0.006 min

Lab File: BF140948.D

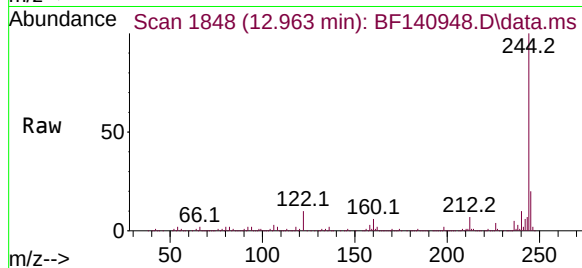
Acq: 20 Dec 2024 14:10

Instrument :

BNA_F

ClientSampleId :

OU4-VSL-11-121224MS

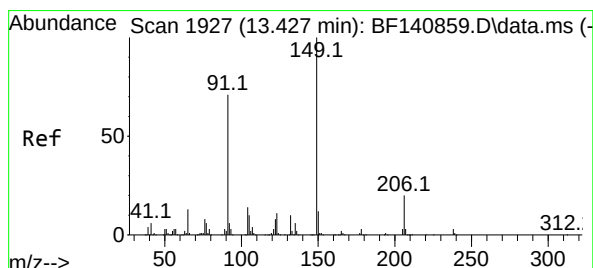
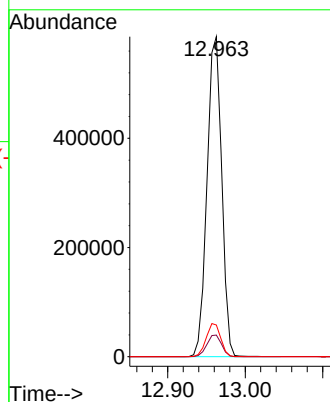
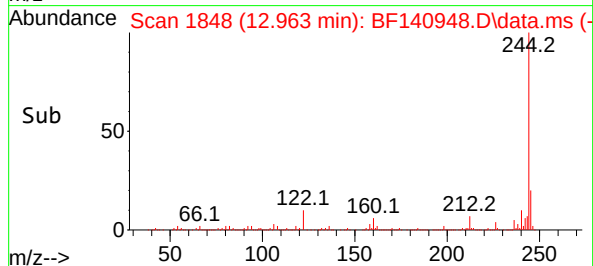


Tgt Ion:	244	Resp:	76972
Ion Ratio	100	Lower	Upper
244	100		
212	6.8	5.6	8.4
122	9.9	8.2	12.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#80

Butylbenzylphthalate

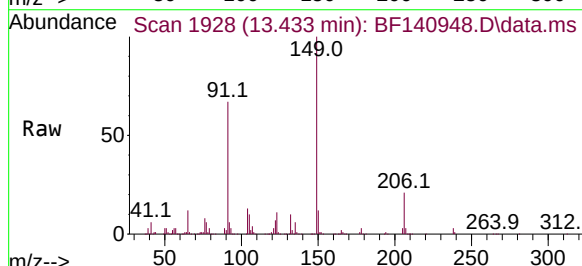
Concen: 53.133 ng

RT: 13.433 min Scan# 1928

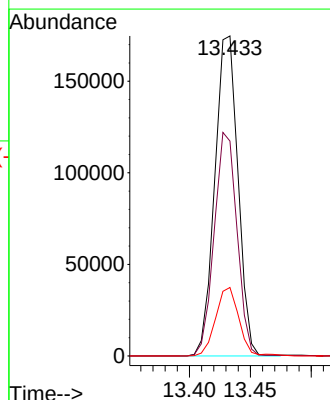
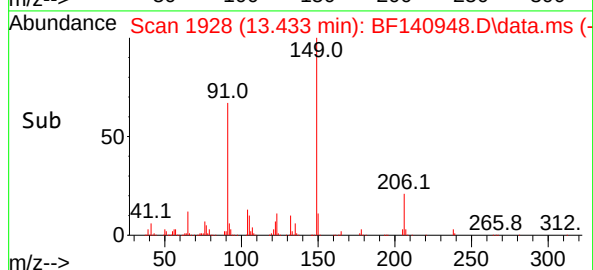
Delta R.T. 0.006 min

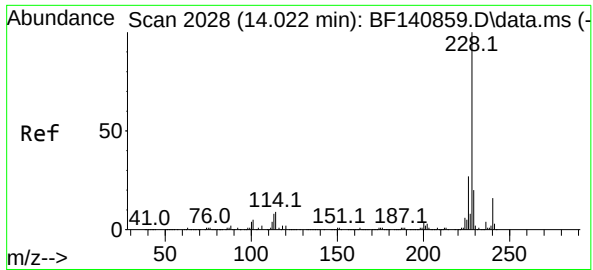
Lab File: BF140948.D

Acq: 20 Dec 2024 14:10



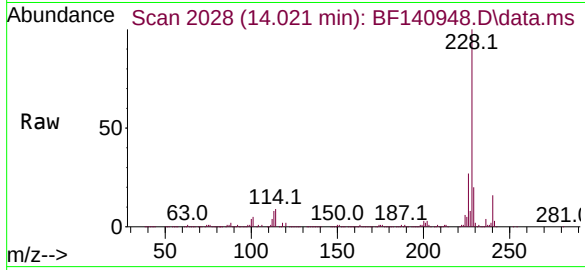
Tgt Ion:	149	Resp:	231762
Ion Ratio	100	Lower	Upper
149	100		
91	67.1	56.7	85.1
206	21.4	16.4	24.6





#81
Benzo(a)anthracene
Concen: 52.168 ng
RT: 14.021 min Scan# 2028
Delta R.T. -0.000 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

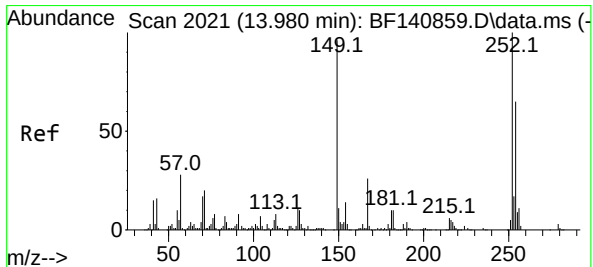
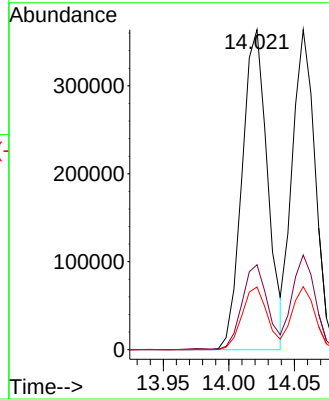
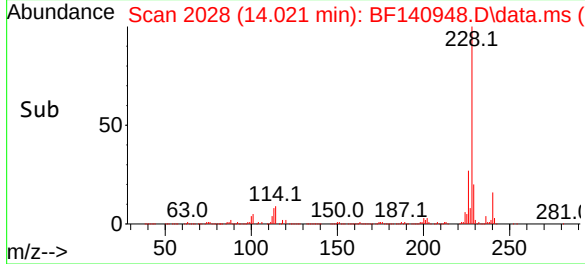
Instrument :
BNA_F
ClientSampleId :
OU4-VSL-11-121224MS



Tgt Ion:228 Resp: 492880
Ion Ratio Lower Upper
228 100
226 26.5 21.8 32.8
229 19.6 15.8 23.8

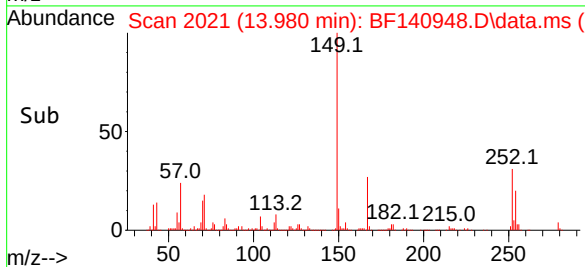
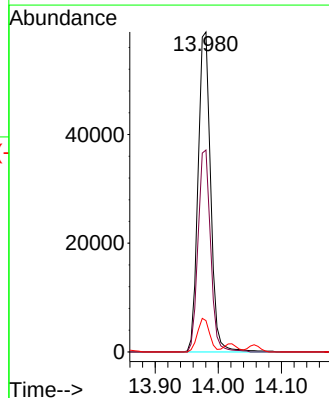
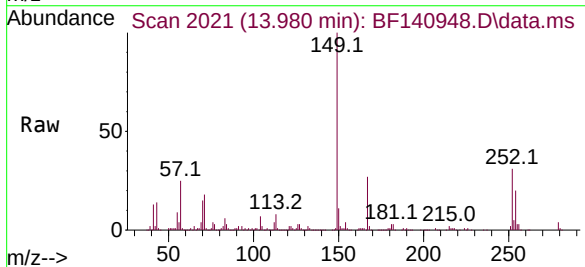
Manual Integrations
APPROVED

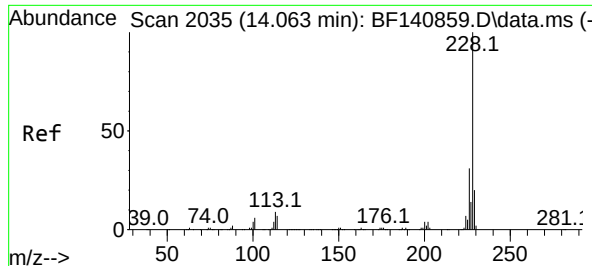
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#82
3,3'-Dichlorobenzidine
Concen: 28.561 ng
RT: 13.980 min Scan# 2021
Delta R.T. -0.000 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:252 Resp: 81414
Ion Ratio Lower Upper
252 100
254 63.1 52.3 78.5
126 9.8 8.4 12.6





#83

Chrysene

Concen: 51.436 ng

RT: 14.057 min Scan# 2035

Delta R.T. -0.006 min

Lab File: BF140948.D

Acq: 20 Dec 2024 14:10

Instrument :

BNA_F

ClientSampleId :

OU4-VSL-11-121224MS

Tgt Ion:228 Resp: 44190

Ion Ratio Lower Upper

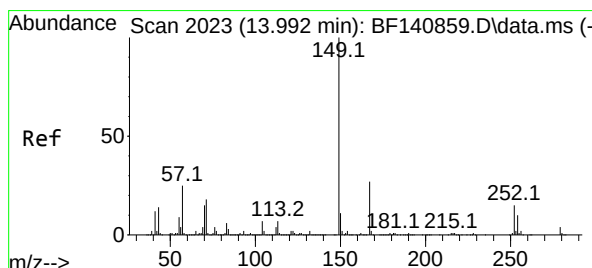
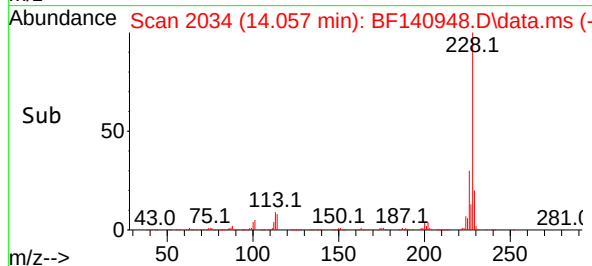
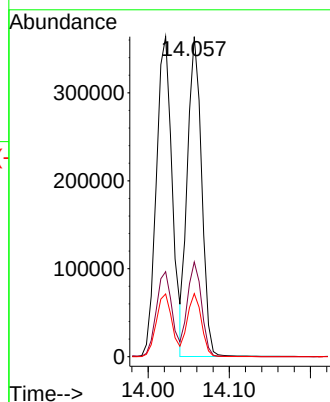
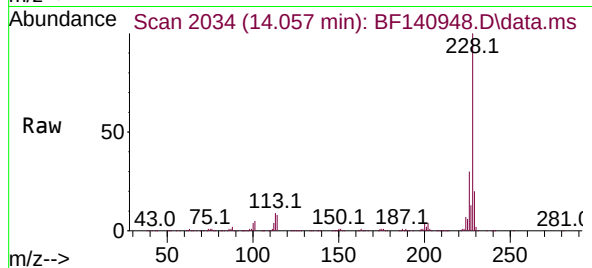
228 100

226 29.6 24.1 36.1

229 19.7 16.0 24.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

#84

Bis(2-ethylhexyl)phthalate

Concen: 47.624 ng

RT: 13.986 min Scan# 2022

Delta R.T. -0.006 min

Lab File: BF140948.D

Acq: 20 Dec 2024 14:10

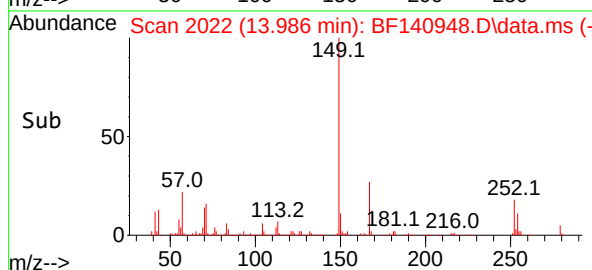
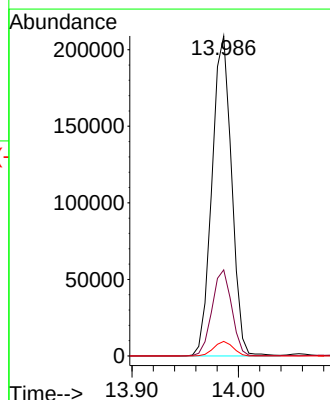
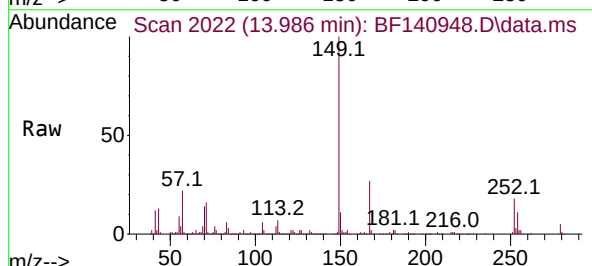
Tgt Ion:149 Resp: 267856

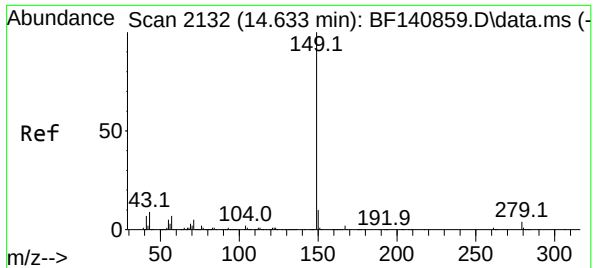
Ion Ratio Lower Upper

149 100

167 26.9 21.8 32.8

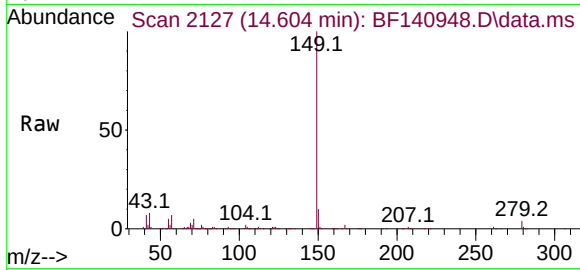
279 4.5 3.5 5.3





#85
Di-n-octyl phthalate
Concen: 42.906 ng
RT: 14.604 min Scan# 2132
Delta R.T. -0.029 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

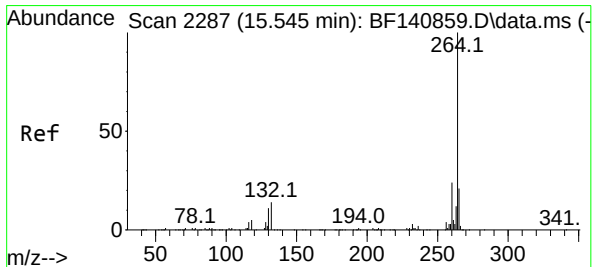
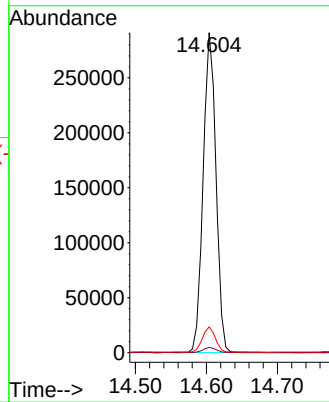
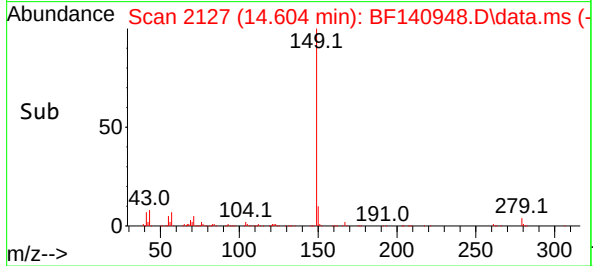
Instrument :
BNA_F
ClientSampleId :
OU4-VSL-11-121224MS



Tgt Ion:149 Resp: 365090
Ion Ratio Lower Upper
149 100
167 1.8 1.3 1.9
43 8.0 7.0 10.6

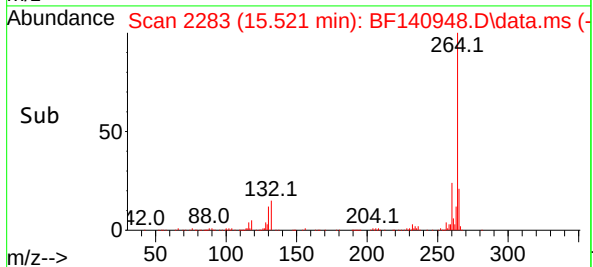
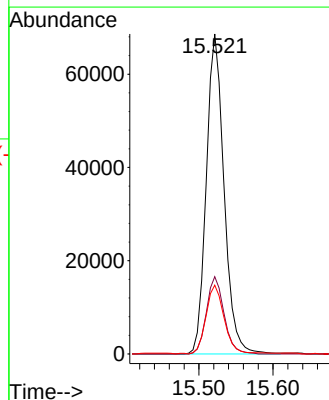
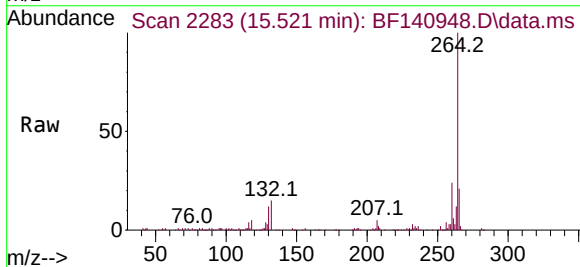
Manual Integrations
APPROVED

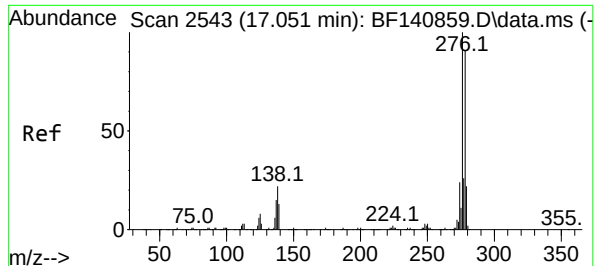
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2283
Delta R.T. -0.024 min
Lab File: BF140948.D
Acq: 20 Dec 2024 14:10

Tgt Ion:264 Resp: 114231
Ion Ratio Lower Upper
264 100
260 24.2 19.1 28.7
265 21.5 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 66.539 ng

RT: 17.039 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF140948.D

Acq: 20 Dec 2024 14:10

Instrument :

BNA_F

ClientSampleId :

OU4-VSL-11-121224MS

Tgt Ion:276 Resp: 47431

Ion Ratio Lower Upper

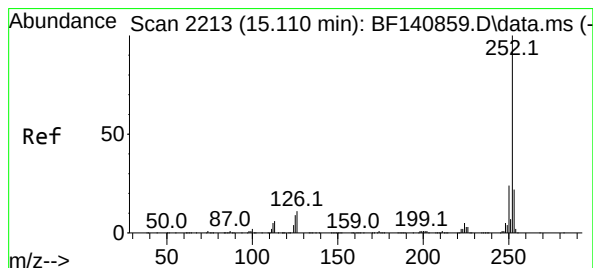
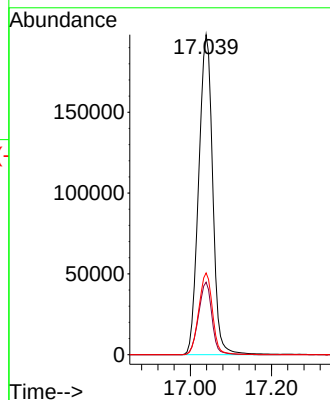
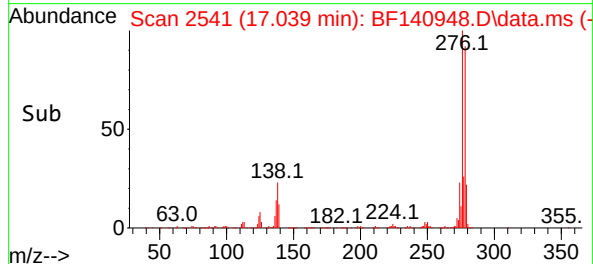
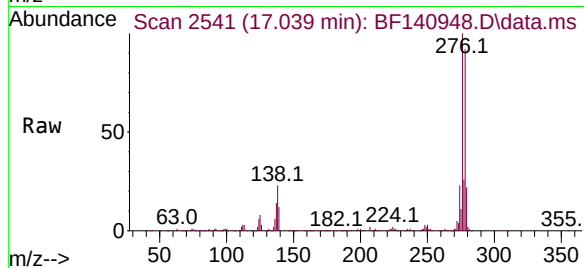
276 100

138 21.7 16.9 25.3

277 25.0 20.2 30.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

#88

Benzo(b)fluoranthene

Concen: 48.060 ng

RT: 15.086 min Scan# 2209

Delta R.T. -0.024 min

Lab File: BF140948.D

Acq: 20 Dec 2024 14:10

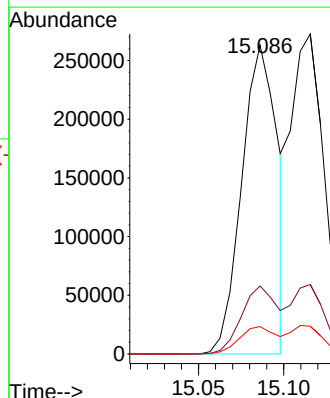
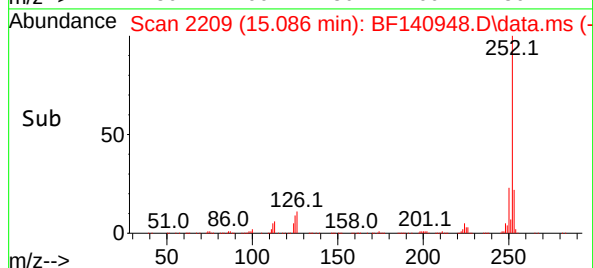
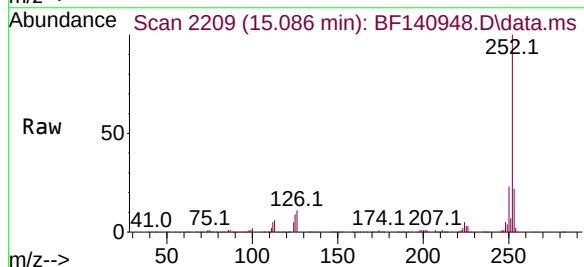
Tgt Ion:252 Resp: 381086

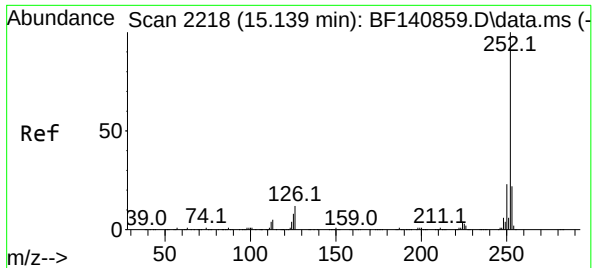
Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.6

125 8.9 7.0 10.4





#89

Benzo(k)fluoranthene

Concen: 54.968 ng

RT: 15.116 min Scan# 2214

Delta R.T. -0.024 min

Lab File: BF140948.D

Acq: 20 Dec 2024 14:10

Instrument :

BNA_F

ClientSampleId :

OU4-VSL-11-121224MS

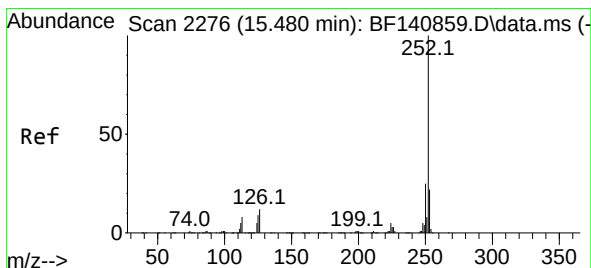
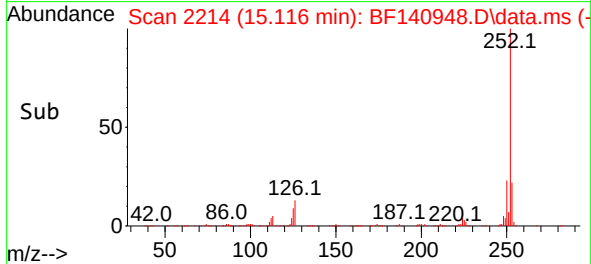
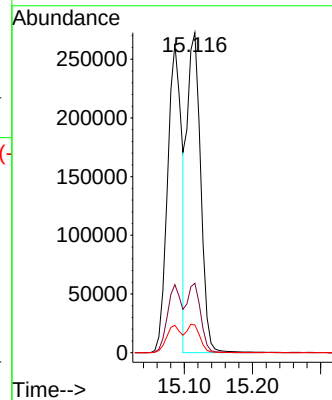
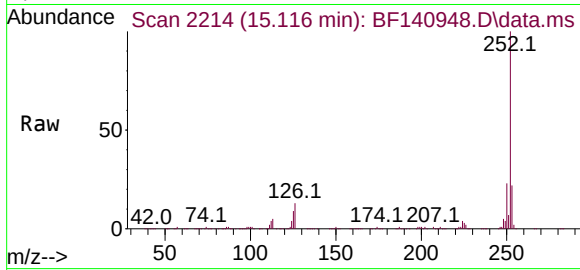
Tgt Ion:252 Resp: 373879

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.5	26.3
125	8.7	6.8	10.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#90

Benzo(a)pyrene

Concen: 57.316 ng

RT: 15.457 min Scan# 2272

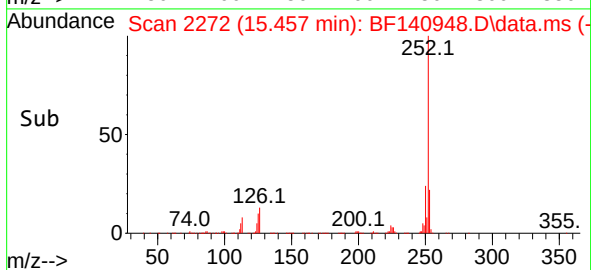
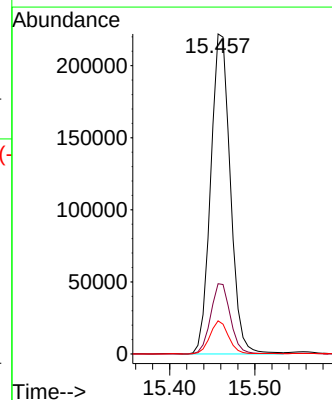
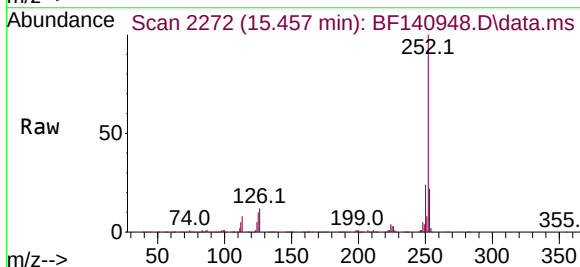
Delta R.T. -0.024 min

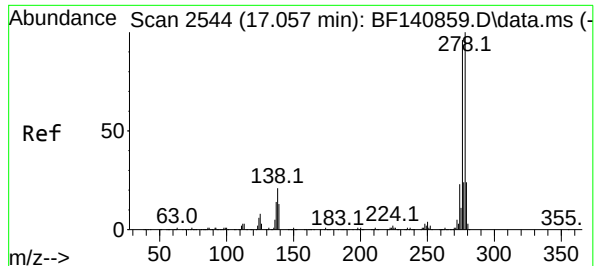
Lab File: BF140948.D

Acq: 20 Dec 2024 14:10

Tgt Ion:252 Resp: 355872

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	10.3	7.5	11.3





#91

Dibenzo(a,h)anthracene

Concen: 66.055 ng

RT: 17.039 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF140948.D

Acq: 20 Dec 2024 14:10

Instrument :

BNA_F

ClientSampleId :

OU4-VSL-11-121224MS

Tgt Ion:278 Resp: 390092

Ion Ratio Lower Upper

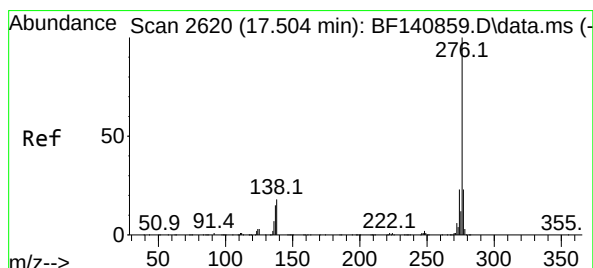
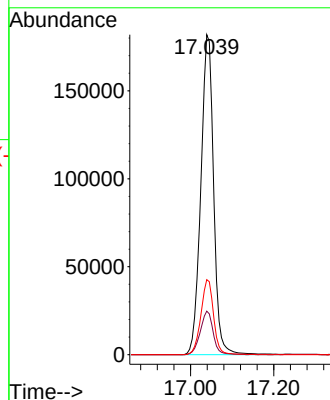
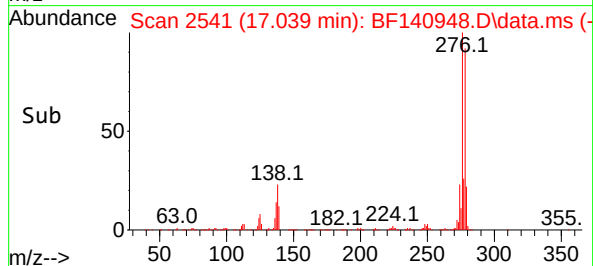
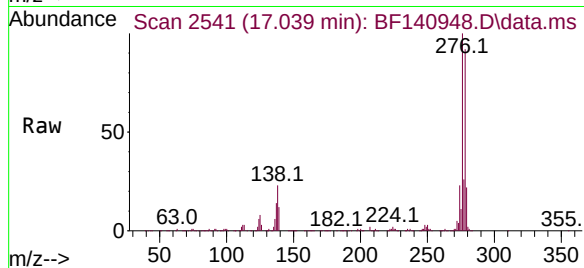
278 100

139 13.6 10.6 16.0

279 23.5 19.2 28.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

#92

Benzo(g,h,i)perylene

Concen: 62.119 ng

RT: 17.498 min Scan# 2619

Delta R.T. -0.006 min

Lab File: BF140948.D

Acq: 20 Dec 2024 14:10

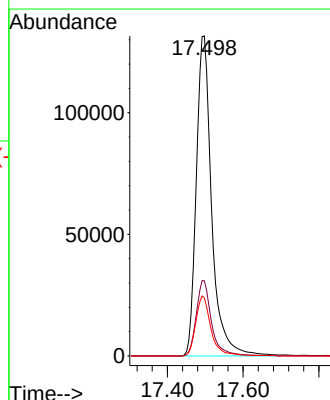
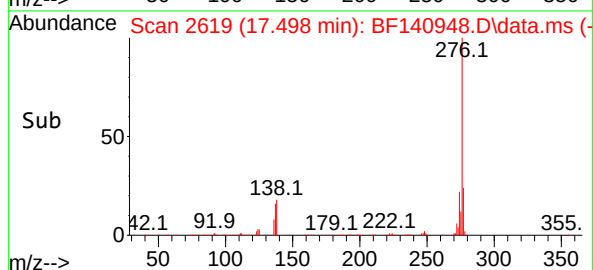
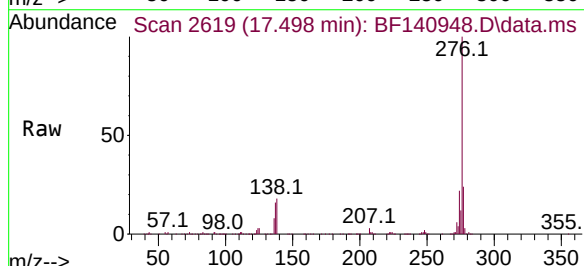
Tgt Ion:276 Resp: 373367

Ion Ratio Lower Upper

276 100

277 23.5 18.7 28.1

138 18.1 14.2 21.2



Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/12/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-11-121224MSD	SDG No.:	P5299
Lab Sample ID:	P5306-09MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.6
Sample Wt/Vol:	30.08 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
BF140949.D	1	12/18/24 08:56	12/20/24 14:36	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	590		190	350	ug/Kg
108-95-2	Phenol	2100		88.3	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1900		89.2	180	ug/Kg
95-57-8	2-Chlorophenol	2000		89.0	180	ug/Kg
95-48-7	2-Methylphenol	2000		85.9	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1900		96.9	180	ug/Kg
98-86-2	Acetophenone	2000		92.6	180	ug/Kg
65794-96-9	3+4-Methylphenols	2000		85.0	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1900		42.9	85.2	ug/Kg
67-72-1	Hexachloroethane	1800		88.4	180	ug/Kg
98-95-3	Nitrobenzene	1800		96.8	180	ug/Kg
78-59-1	Isophorone	1900		90.1	180	ug/Kg
88-75-5	2-Nitrophenol	2000		100	180	ug/Kg
105-67-9	2,4-Dimethylphenol	2300		99.3	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1800		91.4	180	ug/Kg
120-83-2	2,4-Dichlorophenol	2000		80.4	180	ug/Kg
91-20-3	Naphthalene	1900		88.0	180	ug/Kg
106-47-8	4-Chloroaniline	780		88.0	180	ug/Kg
87-68-3	Hexachlorobutadiene	1700		88.8	180	ug/Kg
105-60-2	Caprolactam	2100		92.5	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1900		82.6	180	ug/Kg
91-57-6	2-Methylnaphthalene	1900		87.9	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1500		170	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1900		76.1	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1800		78.8	180	ug/Kg
92-52-4	1,1-Biphenyl	1900		93.1	180	ug/Kg
91-58-7	2-Chloronaphthalene	1800		88.8	180	ug/Kg
88-74-4	2-Nitroaniline	1900		100	180	ug/Kg
131-11-3	Dimethylphthalate	1900		87.1	180	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/12/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-11-121224MSD	SDG No.:	P5299
Lab Sample ID:	P5306-09MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.6
Sample Wt/Vol:	30.08 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
BF140949.D	1	12/18/24 08:56	12/20/24 14:36	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	2100		92.2	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	1800		88.7	180	ug/Kg
99-09-2	3-Nitroaniline	1100		95.0	180	ug/Kg
83-32-9	Acenaphthene	2000		86.4	180	ug/Kg
51-28-5	2,4-Dinitrophenol	3500	E	260	350	ug/Kg
100-02-7	4-Nitrophenol	2900	E	120	350	ug/Kg
132-64-9	Dibenzofuran	1900		89.9	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	1900		91.8	180	ug/Kg
84-66-2	Diethylphthalate	1800		85.3	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1800		91.2	180	ug/Kg
86-73-7	Fluorene	1900		91.1	180	ug/Kg
100-01-6	4-Nitroaniline	1800		110	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2200		120	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	2100		86.9	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	2000		84.1	180	ug/Kg
118-74-1	Hexachlorobenzene	2000		90.6	180	ug/Kg
1912-24-9	Atrazine	2500		97.4	180	ug/Kg
87-86-5	Pentachlorophenol	3000	E	82.4	350	ug/Kg
85-01-8	Phenanthrene	2100		89.5	180	ug/Kg
120-12-7	Anthracene	2200		89.9	180	ug/Kg
86-74-8	Carbazole	2100		85.6	180	ug/Kg
84-74-2	Di-n-butylphthalate	1900		89.8	180	ug/Kg
206-44-0	Fluoranthene	2000		87.1	180	ug/Kg
129-00-0	Pyrene	2000		88.4	180	ug/Kg
85-68-7	Butylbenzylphthalate	1900		100	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1100		110	350	ug/Kg
56-55-3	Benzo(a)anthracene	1900		86.0	180	ug/Kg
218-01-9	Chrysene	1900		84.7	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1800		97.0	180	ug/Kg
117-84-0	Di-n-octyl phthalate	1600		120	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	1900		86.4	180	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/12/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-11-121224MSD	SDG No.:	P5299
Lab Sample ID:	P5306-09MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.6
Sample Wt/Vol:	30.08 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
BF140949.D	1	12/18/24 08:56	12/20/24 14:36	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	2000		88.0	180	ug/Kg
50-32-8	Benzo(a)pyrene	2100		99.1	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2400		83.2	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	2400		86.5	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	2200		85.3	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1900		92.5	180	ug/Kg
123-91-1	1,4-Dioxane	1700		120	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	2000		79.6	180	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	142		30 (18) - 130 (112)	95%	SPK: 150
13127-88-3	Phenol-d6	140		30 (15) - 130 (107)	94%	SPK: 150
4165-60-0	Nitrobenzene-d5	89.7		30 (18) - 130 (107)	90%	SPK: 100
321-60-8	2-Fluorobiphenyl	86.8		30 (20) - 130 (109)	87%	SPK: 100
118-79-6	2,4,6-Tribromophenol	134		30 (10) - 130 (116)	90%	SPK: 150
1718-51-0	Terphenyl-d14	92.3		30 (10) - 130 (105)	92%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	45900	6.851			
1146-65-2	Naphthalene-d8	176000	8.128			
15067-26-2	Acenaphthene-d10	102000	9.886			
1517-22-2	Phenanthrene-d10	188000	11.38			
1719-03-5	Chrysene-d12	131000	14.045			
1520-96-3	Perylene-d12	114000	15.562			

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_F\Data\BF122024\
 Data File : BF140949.D
 Acq On : 20 Dec 2024 14:36
 Operator : RC/JU
 Sample : P5306-09MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OU4-VSL-11-121224MSD

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
 Supervised By :mohammad ahmed 12/24/2024

Quant Time: Dec 20 15:07:11 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 16 16:59:50 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	45949	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	175670	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	102157	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	188148	20.000	ng	0.00
76) Chrysene-d12	14.045	240	131096	20.000	ng	0.01
86) Perylene-d12	15.562	264	113765	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	397303	142.339	ng	0.01
7) Phenol-d6	6.504	99	518890	140.353	ng	0.00
23) Nitrobenzene-d5	7.416	82	315005	89.714	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	162262	134.298	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	644674	86.762	ng	0.00
79) Terphenyl-d14	12.963	244	767138	92.274	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.710	88	57585	47.896	ng	98
3) Pyridine	3.481	79	136795	49.130	ng	99
4) n-Nitrosodimethylamine	3.434	42	71728	51.102	ng	96
6) Aniline	6.516	93	130848	41.394	ng	# 70
8) 2-Chlorophenol	6.645	128	172137	56.552	ng	99
9) Benzaldehyde	6.410	77	33958	16.577	ng	99
10) Phenol	6.516	94	224652	58.630	ng	98
11) bis(2-Chloroethyl)ether	6.587	93	152512	53.372	ng	98
12) 1,3-Dichlorobenzene	6.786	146	181700	52.387	ng	97
13) 1,4-Dichlorobenzene	6.869	146	185568	52.708	ng	99
14) 1,2-Dichlorobenzene	7.016	146	176510	53.137	ng	99
15) Benzyl Alcohol	7.004	79	151766	57.414	ng	95
16) 2,2'-oxybis(1-Chloropr...	7.116	45	177636	52.770	ng	91
17) 2-Methylphenol	7.122	107	138692	57.071	ng	98
18) Hexachloroethane	7.351	117	66118	50.446	ng	97
19) n-Nitroso-di-n-propyla...	7.263	70	119168	53.736	ng	99
20) 3+4-Methylphenols	7.275	107	185300	57.503	ng	# 82
22) Acetophenone	7.263	105	241328	54.917	ng	94
24) Nitrobenzene	7.439	77	180083	50.063	ng	95
25) Isophorone	7.675	82	314395	53.439	ng	99
26) 2-Nitrophenol	7.751	139	94485	57.032	ng	95
27) 2,4-Dimethylphenol	7.792	122	127969	66.141	ng	98
28) bis(2-Chloroethoxy)met...	7.881	93	188944	51.420	ng	99
29) 2,4-Dichlorophenol	8.004	162	149408	55.934	ng	99
30) 1,2,4-Trichlorobenzene	8.075	180	153263	50.051	ng	98
31) Naphthalene	8.151	128	517245	53.602	ng	99
32) Benzoic acid	7.945	122	71840	39.151	ng	97
33) 4-Chloroaniline	8.210	127	70709	22.062	ng	97
34) Hexachlorobutadiene	8.263	225	100776	48.916	ng	100
35) Caprolactam	8.592	113	46987m	59.086	ng	
36) 4-Chloro-3-methylphenol	8.710	107	163449	54.366	ng	99
37) 2-Methylnaphthalene	8.845	142	343391	53.795	ng	100
38) 1-Methylnaphthalene	8.945	142	318541	50.458	ng	99
40) 1,2,4,5-Tetrachloroben...	9.010	216	169136	53.866	ng	98
41) Hexachlorocyclopentadiene	8.992	237	31402	41.662	ng	100
43) 2,4,6-Trichlorophenol	9.133	196	102644	53.386	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
 Data File : BF140949.D
 Acq On : 20 Dec 2024 14:36
 Operator : RC/JU
 Sample : P5306-09MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OU4-VSL-11-121224MSD

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
 Supervised By :mohammad ahmed 12/24/2024

Quant Time: Dec 20 15:07:11 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 16 16:59:50 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	107412	50.828	ng	99
46) 1,1'-Biphenyl	9.304	154	433578	53.374	ng	99
47) 2-Chloronaphthalene	9.333	162	319959	51.486	ng	98
48) 2-Nitroaniline	9.439	65	100764	53.688	ng	94
49) Acenaphthylene	9.751	152	529169	57.943	ng	99
50) Dimethylphthalate	9.604	163	378063	52.492	ng	100
51) 2,6-Dinitrotoluene	9.680	165	84402	51.261	ng	95
52) Acenaphthene	9.922	154	324577	55.638	ng	99
53) 3-Nitroaniline	9.857	138	49243	30.137	ng	93
54) 2,4-Dinitrophenol	9.980	184	79873	97.834	ng	93
55) Dibenzofuran	10.092	168	493268	54.567	ng	100
56) 4-Nitrophenol	10.045	139	72978	82.863	ng	97
57) 2,4-Dinitrotoluene	10.092	165	113633	52.453	ng	99
58) Fluorene	10.439	166	397342	53.279	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.222	232	97009	56.336	ng	91
60) Diethylphthalate	10.304	149	376001	50.345	ng	99
61) 4-Chlorophenyl-phenyle...	10.422	204	193903	51.761	ng	98
62) 4-Nitroaniline	10.474	138	88397m	51.770	ng	
63) Azobenzene	10.586	77	404359	57.590	ng	95
65) 4,6-Dinitro-2-methylph...	10.510	198	64685	60.672	ng	96
66) n-Nitrosodiphenylamine	10.545	169	341229	58.988	ng	99
67) 4-Bromophenyl-phenylether	10.916	248	117531	55.838	ng	96
68) Hexachlorobenzene	10.992	284	133215	55.821	ng	98
69) Atrazine	11.074	200	111739	69.163	ng	99
70) Pentachlorophenol	11.198	266	74523	85.412	ng	98
71) Phenanthrene	11.404	178	569035	58.813	ng	99
72) Anthracene	11.457	178	585440	61.442	ng	100
73) Carbazole	11.616	167	541131	57.981	ng	100
74) Di-n-butylphthalate	11.927	149	577959	52.767	ng	99
75) Fluoranthene	12.598	202	628778	56.429	ng	100
77) Benzidine	12.721	184	132623	49.567	ng	99
78) Pyrene	12.827	202	642867	55.145	ng	100
80) Butylbenzylphthalate	13.433	149	231266	53.914	ng	97
81) Benzo(a)anthracene	14.033	228	508709	54.752	ng	99
82) 3,3'-Dichlorobenzidine	13.986	252	84711	30.219	ng	98
83) Chrysene	14.068	228	458342	54.249	ng	99
84) Bis(2-ethylhexyl)phtha...	13.998	149	277592	50.188	ng	99
85) Di-n-octyl phthalate	14.639	149	383542	45.836	ng	98
87) Indeno(1,2,3-cd)pyrene	17.086	276	486592	68.540	ng	99
88) Benzo(b)fluoranthene	15.127	252	420442	53.241	ng	99
89) Benzo(k)fluoranthene	15.151	252	378547	55.882	ng	100
90) Benzo(a)pyrene	15.504	252	372093	60.174	ng	100
91) Dibenzo(a,h)anthracene	17.092	278	395812	67.298	ng	99
92) Benzo(g,h,i)perylene	17.545	276	366040	61.149	ng	99

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

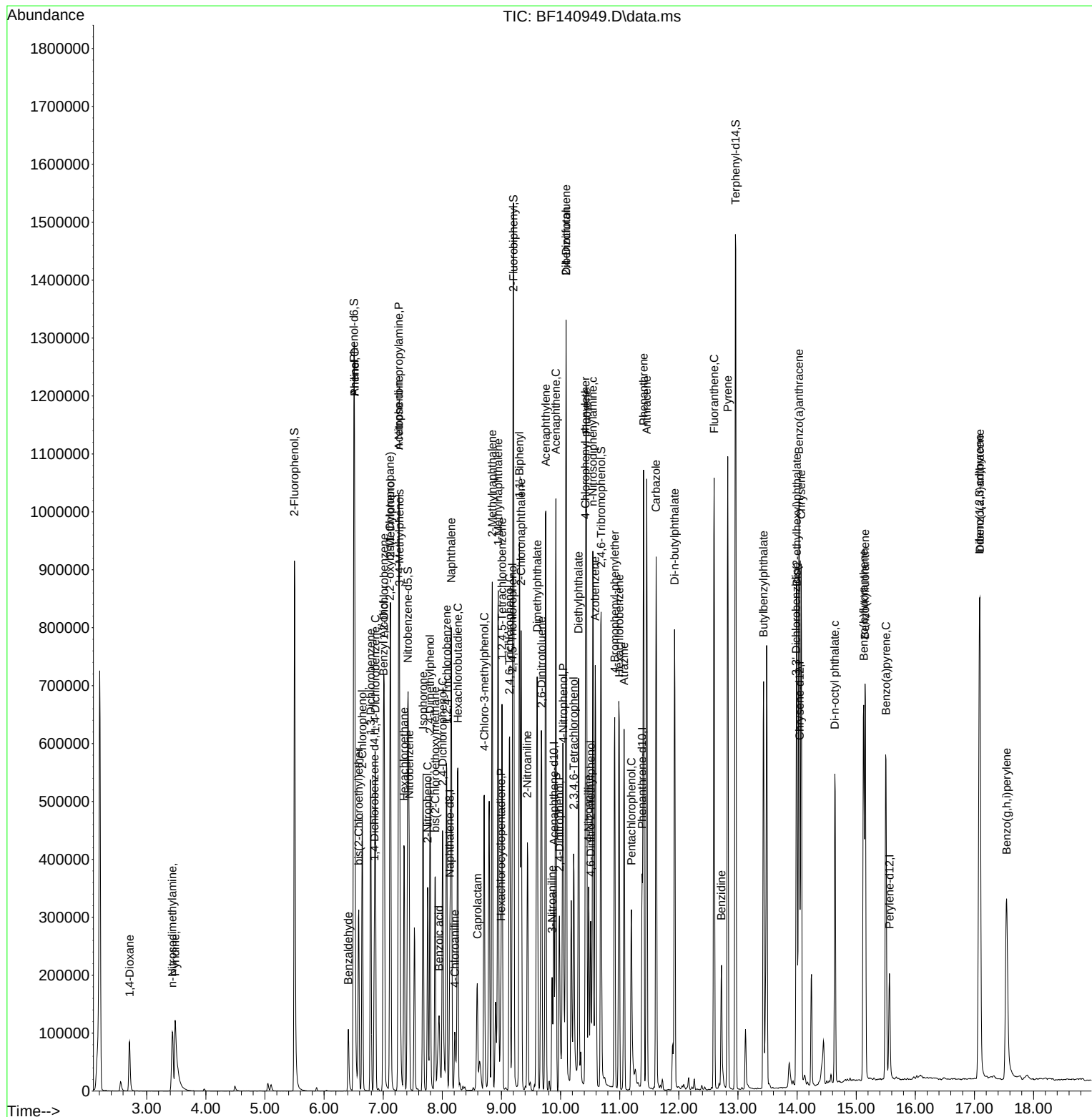
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Data File : BF140949.D
Acq On : 20 Dec 2024 14:36
Operator : RC/JU
Sample : P5306-09MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

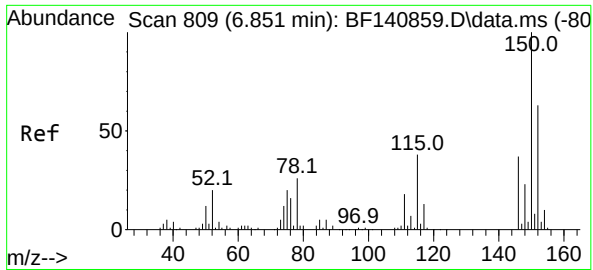
Instrument :
BNA_F
ClientSampleId :
OU4-VSL-11-121224MSD

Manual Integrations

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

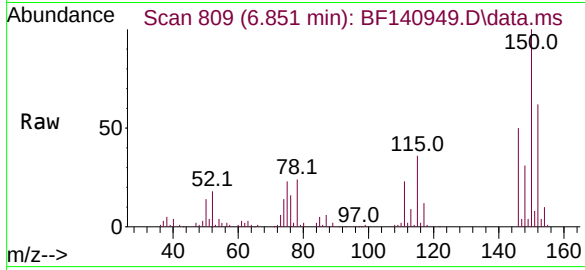
Quant Time: Dec 20 15:07:11 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 809
Delta R.T. 0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

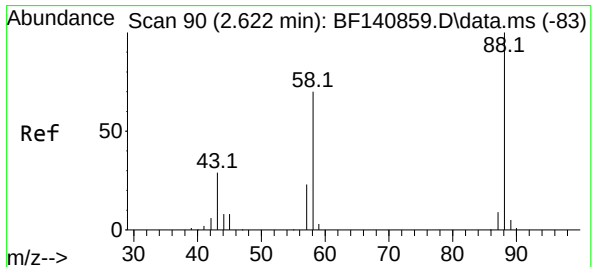
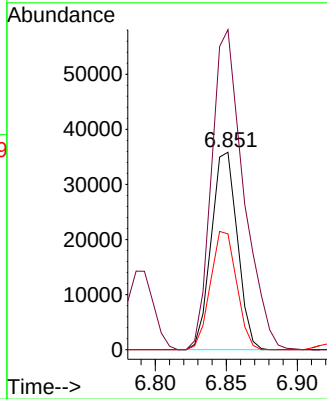
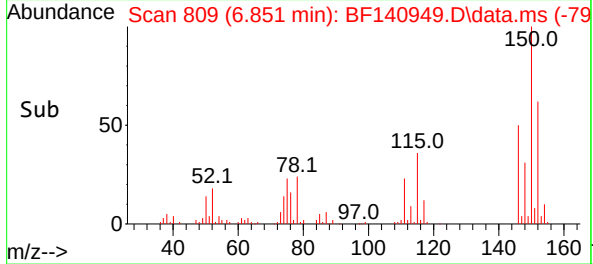
Instrument :
BNA_F
ClientSampleId :
OU4-VSL-11-121224MSD



Tgt Ion:152 Resp: 45949
Ion Ratio Lower Upper
152 100
150 162.1 127.9 191.9
115 58.7 48.0 72.0

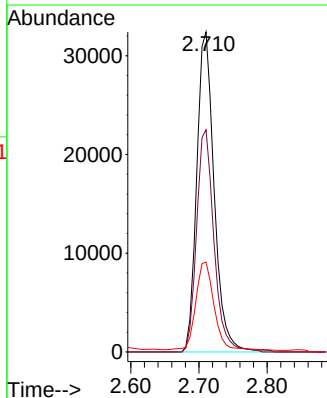
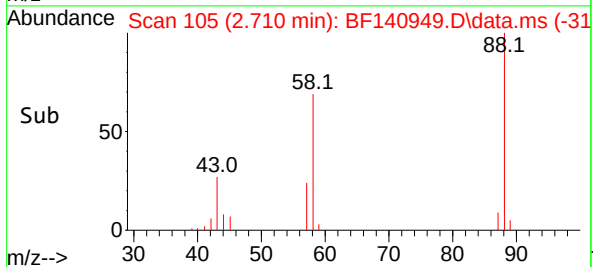
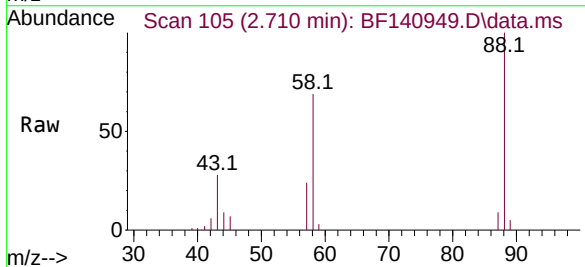
Manual Integrations
APPROVED

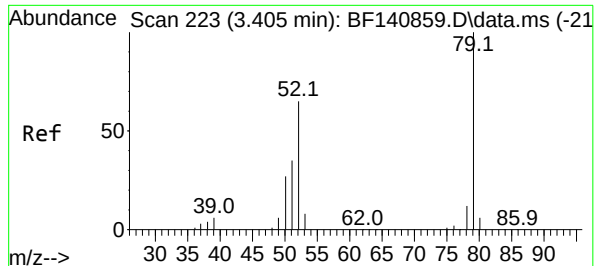
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#2
1,4-Dioxane
Concen: 47.896 ng
RT: 2.710 min Scan# 105
Delta R.T. 0.088 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion: 88 Resp: 57585
Ion Ratio Lower Upper
88 100
58 69.3 55.8 83.8
43 30.7 22.7 34.1





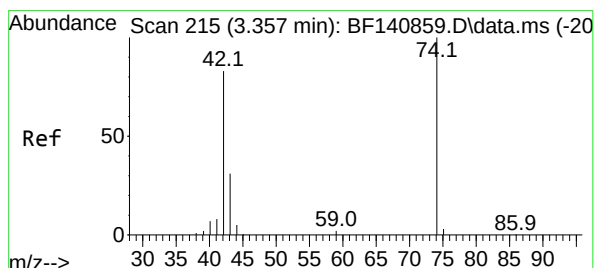
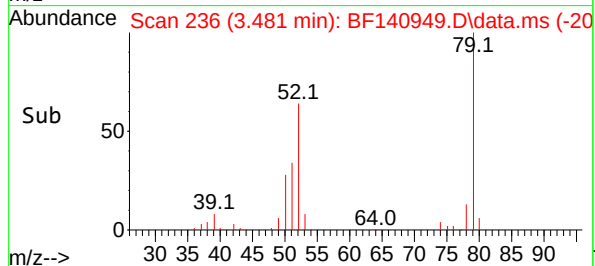
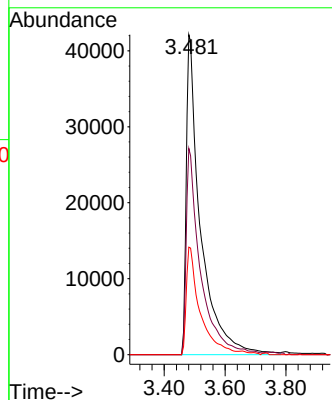
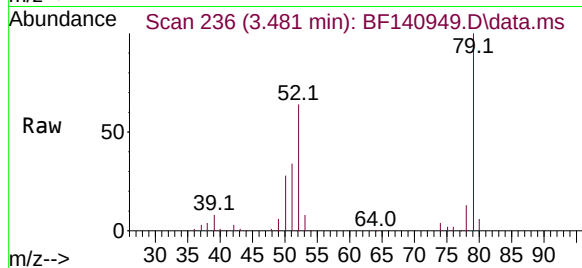
#3
Pyridine
Concen: 49.130 ng
RT: 3.481 min Scan# 21
Delta R.T. 0.076 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Instrument :
BNA_F
ClientSampleId :
OU4-VSL-11-121224MSD

Tgt Ion: 79 Resp: 13679
Ion Ratio Lower Upper
79 100
52 64.5 51.7 77.5
51 33.6 28.2 42.4

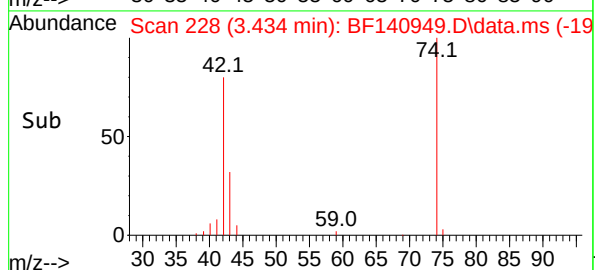
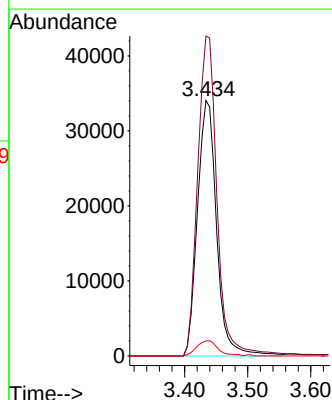
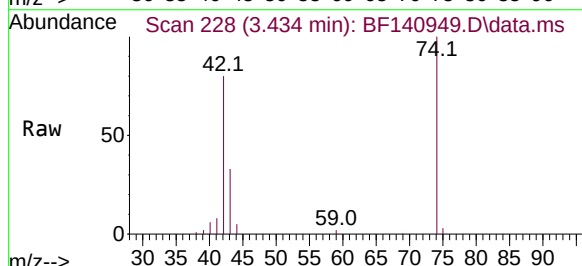
Manual Integrations
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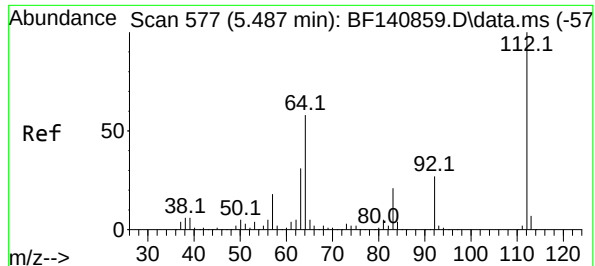
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#4
n-Nitrosodimethylamine
Concen: 51.102 ng
RT: 3.434 min Scan# 228
Delta R.T. 0.076 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion: 42 Resp: 71728
Ion Ratio Lower Upper
42 100
74 125.3 96.9 145.3
44 5.9 4.4 6.6





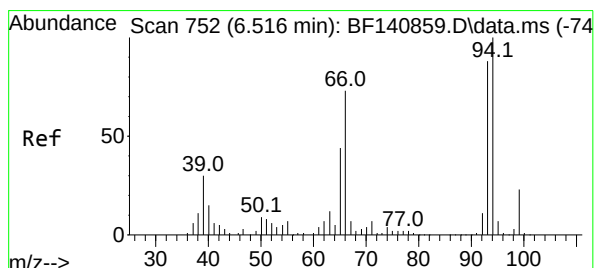
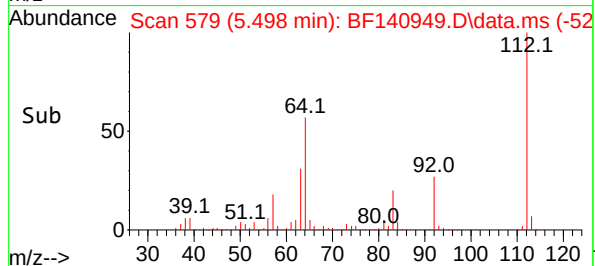
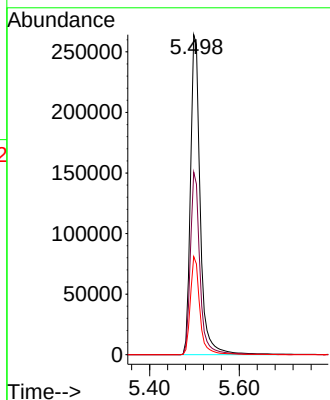
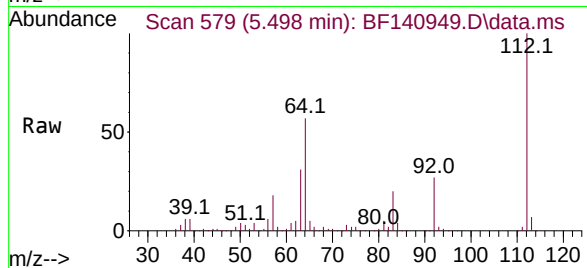
#5
2-Fluorophenol
Concen: 142.339 ng
RT: 5.498 min Scan# 51
Delta R.T. 0.012 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Instrument :
BNA_F
ClientSampleId :
OU4-VSL-11-121224MSD

Tgt Ion:112 Resp: 39730
Ion Ratio Lower Upper
112 100
64 57.0 46.1 69.1
63 30.7 24.9 37.3

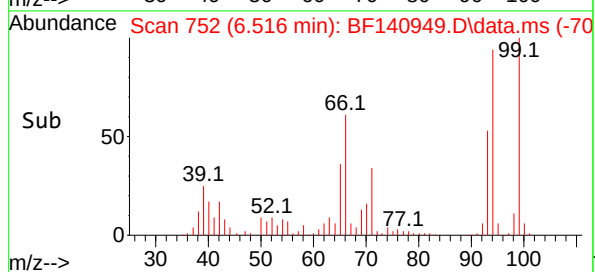
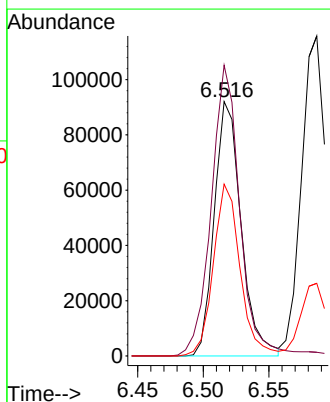
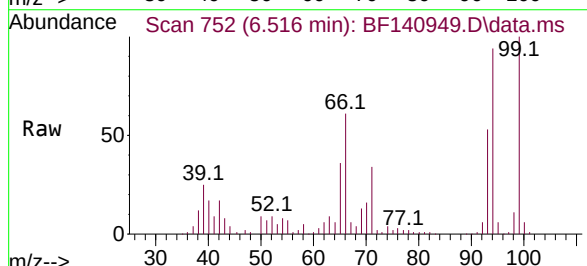
Manual Integrations
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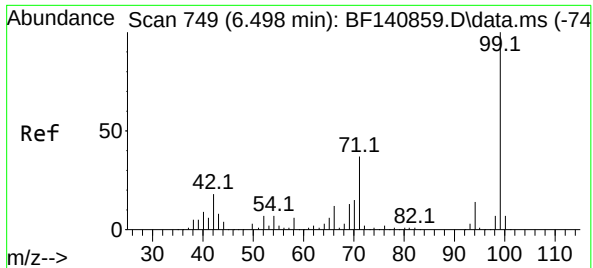
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#6
Aniline
Concen: 41.394 ng
RT: 6.516 min Scan# 752
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

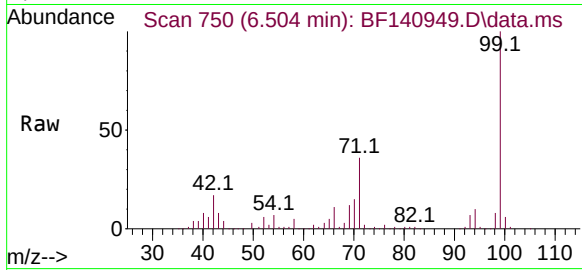
Tgt Ion: 93 Resp: 130848
Ion Ratio Lower Upper
93 100
66 114.3 67.0 100.4#
65 67.5 40.4 60.6#





#7
Phenol-d6
Concen: 140.353 ng
RT: 6.504 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

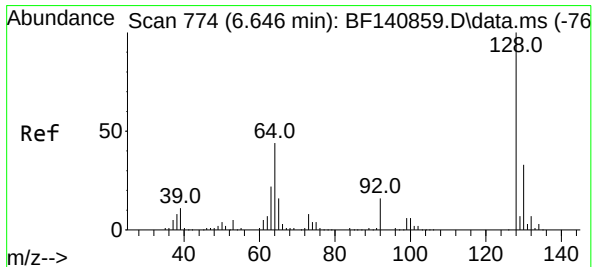
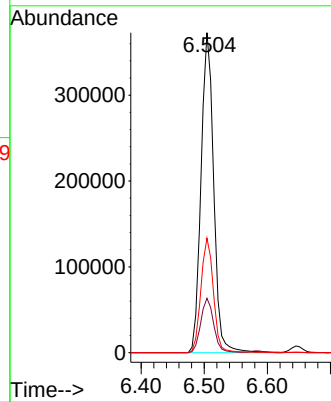
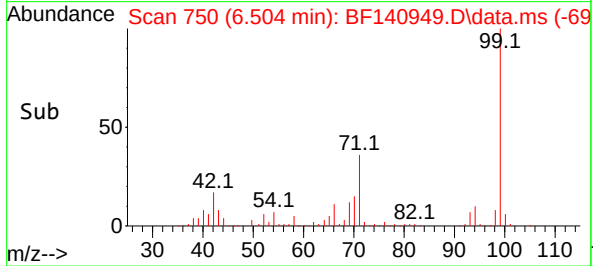
Instrument :
BNA_F
ClientSampleId :
OU4-VSL-11-121224MSD



Tgt Ion: 99 Resp: 518890
Ion Ratio Lower Upper
99 100
42 17.0 14.3 21.5
71 35.8 29.9 44.9

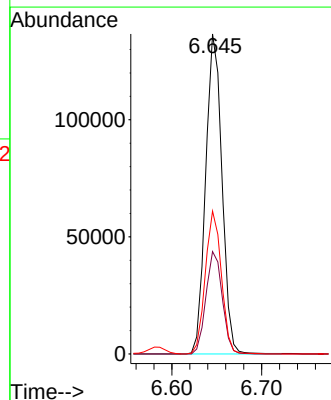
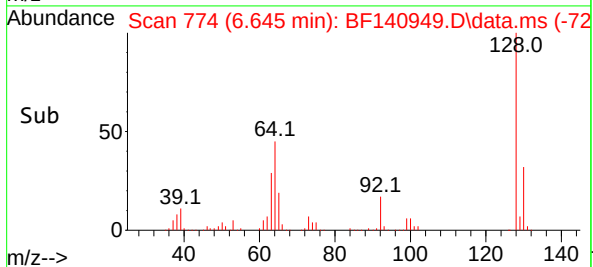
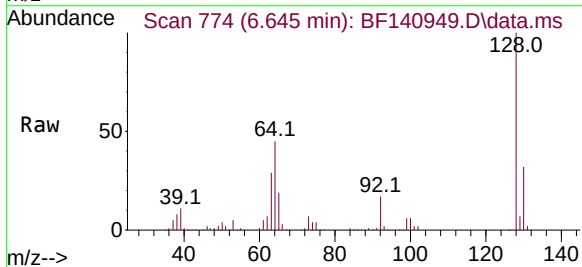
Manual Integrations
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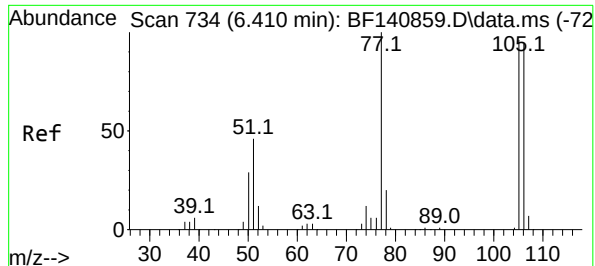
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#8
2-Chlorophenol
Concen: 56.552 ng
RT: 6.645 min Scan# 774
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:128 Resp: 172137
Ion Ratio Lower Upper
128 100
130 32.0 12.9 52.9
64 44.7 24.3 64.3





#9

Benzaldehyde

Concen: 16.577 ng

RT: 6.410 min Scan# 710

Delta R.T. -0.000 min

Lab File: BF140949.D

Acq: 20 Dec 2024 14:36

Instrument :

BNA_F

ClientSampleId :

OU4-VSL-11-121224MSD

Tgt Ion: 77 Resp: 33958

Ion Ratio Lower Upper

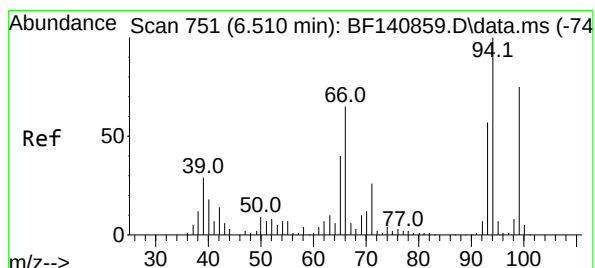
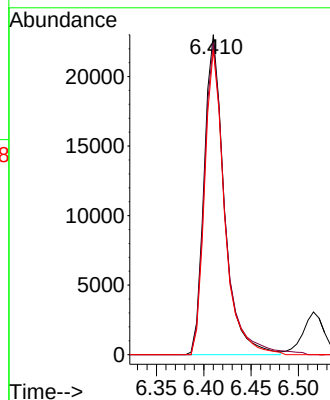
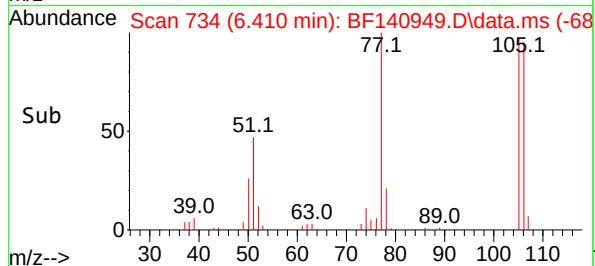
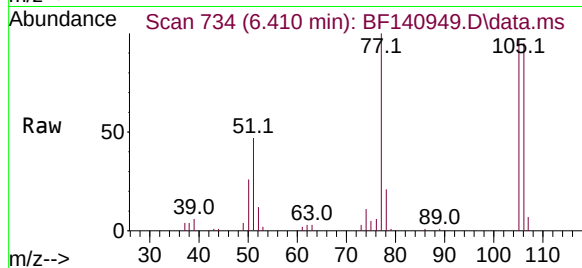
77 100

105 97.4 75.8 115.8

106 95.2 74.1 114.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

#10

Phenol

Concen: 58.630 ng

RT: 6.516 min Scan# 752

Delta R.T. 0.006 min

Lab File: BF140949.D

Acq: 20 Dec 2024 14:36

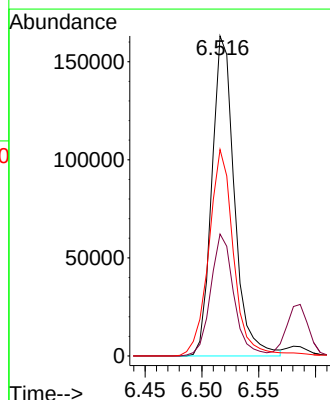
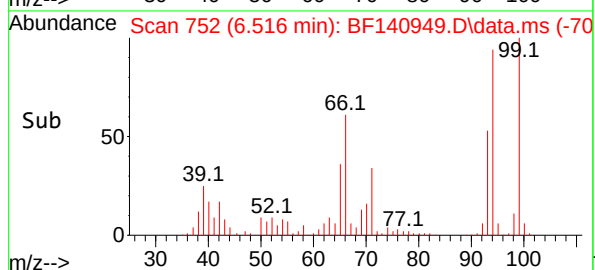
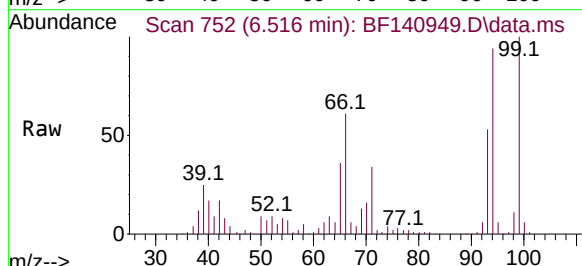
Tgt Ion: 94 Resp: 224652

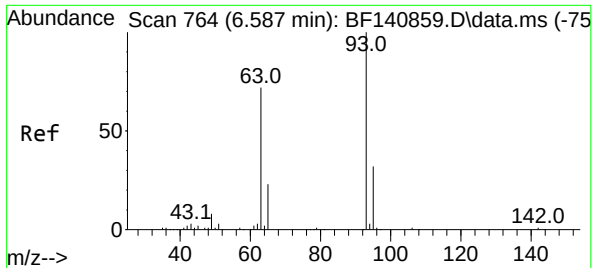
Ion Ratio Lower Upper

94 100

65 38.1 19.9 59.9

66 64.5 45.6 85.6





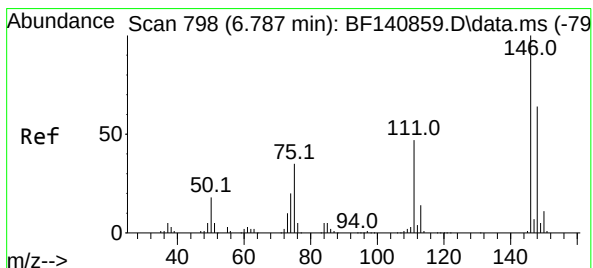
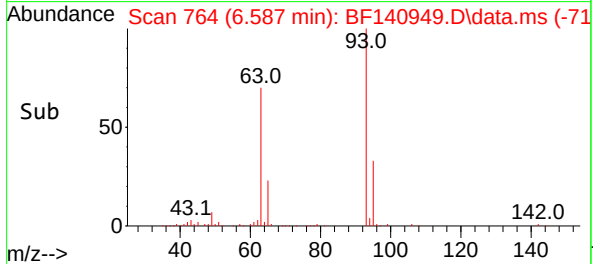
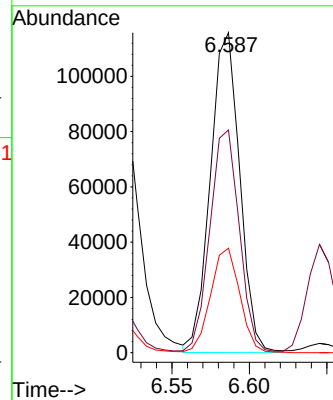
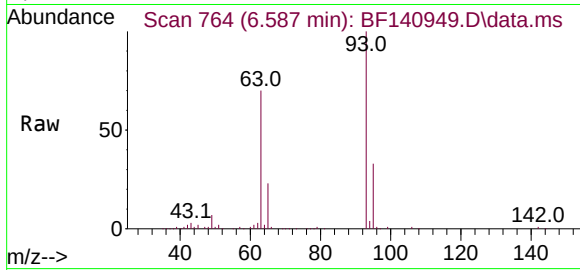
#11
bis(2-Chloroethyl)ether
Concen: 53.372 ng
RT: 6.587 min Scan# 764
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Instrument :
BNA_F
ClientSampleId :
OU4-VSL-11-121224MSD

Tgt Ion: 93 Resp: 15251
Ion Ratio Lower Upper
93 100
63 69.6 51.0 91.0
95 32.6 12.0 52.0

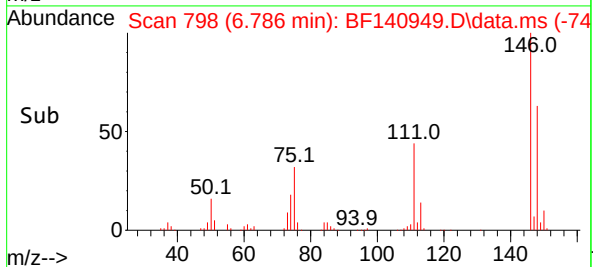
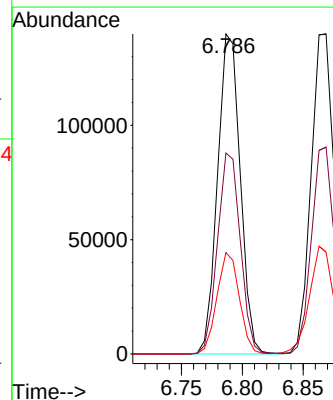
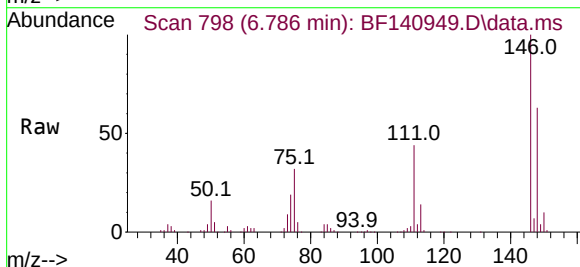
Manual Integrations
APPROVED

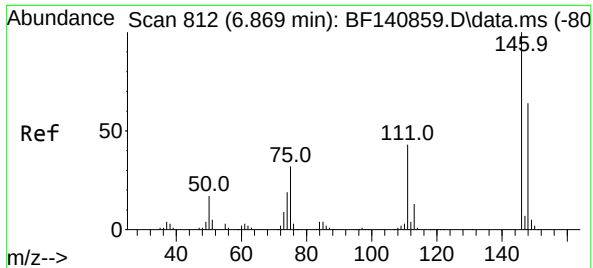
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#12
1,3-Dichlorobenzene
Concen: 52.387 ng
RT: 6.786 min Scan# 798
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:146 Resp: 181700
Ion Ratio Lower Upper
146 100
148 62.8 51.0 76.6
75 31.7 28.1 42.1





#13

1,4-Dichlorobenzene

Concen: 52.708 ng

RT: 6.869 min Scan# 812

Delta R.T. -0.000 min

Lab File: BF140949.D

Acq: 20 Dec 2024 14:36

Instrument :

BNA_F

ClientSampleId :

OU4-VSL-11-121224MSD

Tgt Ion:146 Resp: 18556

Ion Ratio Lower Upper

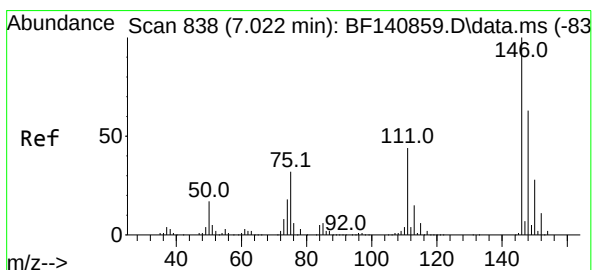
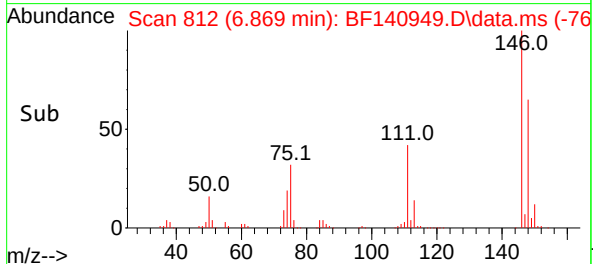
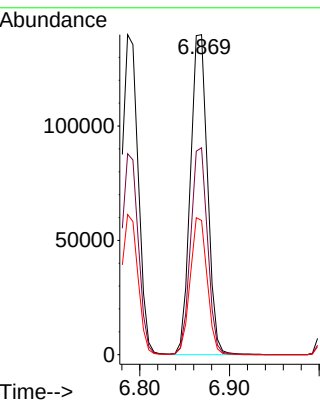
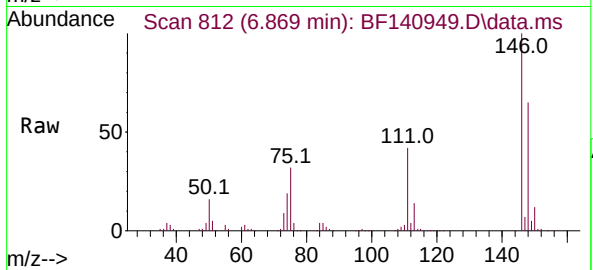
146 100

148 64.6 51.3 76.9

111 42.0 34.4 51.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

#14

1,2-Dichlorobenzene

Concen: 53.137 ng

RT: 7.016 min Scan# 837

Delta R.T. -0.006 min

Lab File: BF140949.D

Acq: 20 Dec 2024 14:36

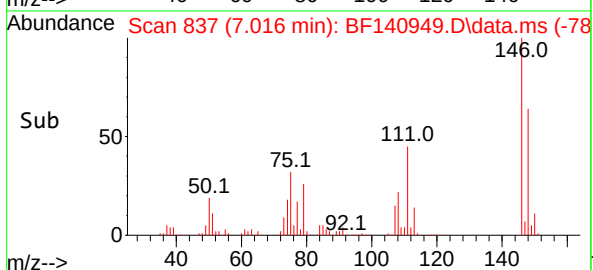
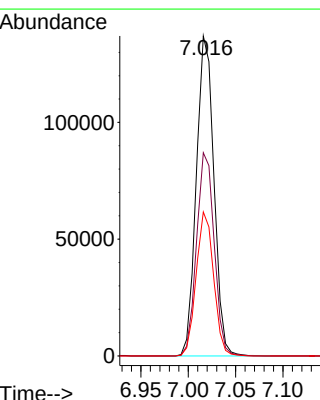
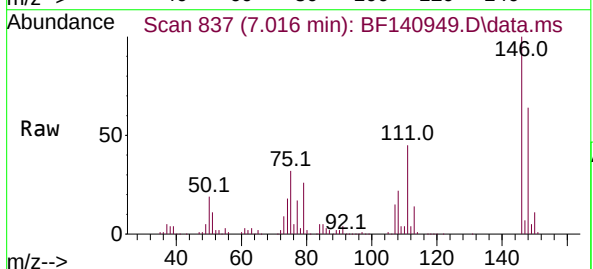
Tgt Ion:146 Resp: 176510

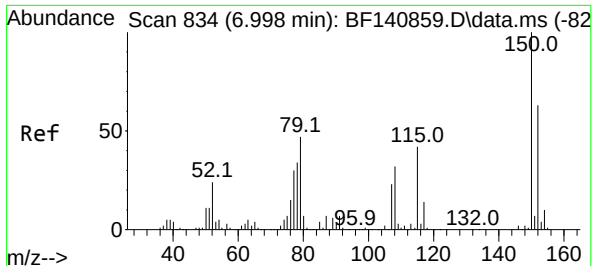
Ion Ratio Lower Upper

146 100

148 63.5 50.0 75.0

111 45.0 35.6 53.4





#15

Benzyl Alcohol

Concen: 57.414 ng

RT: 7.004 min Scan# 81

Delta R.T. 0.006 min

Lab File: BF140949.D

Acq: 20 Dec 2024 14:36

Instrument :

BNA_F

ClientSampleId :

OU4-VSL-11-121224MSD

Tgt Ion: 79 Resp: 151760

Ion Ratio Lower Upper

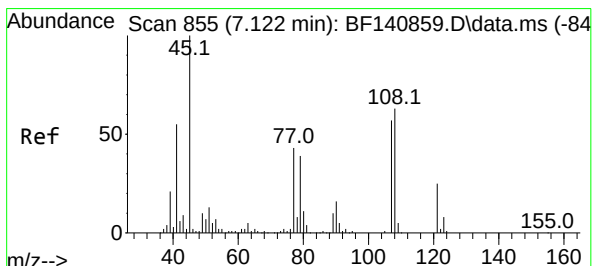
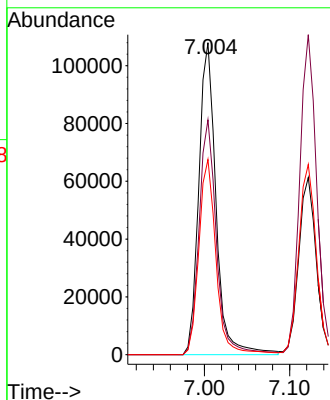
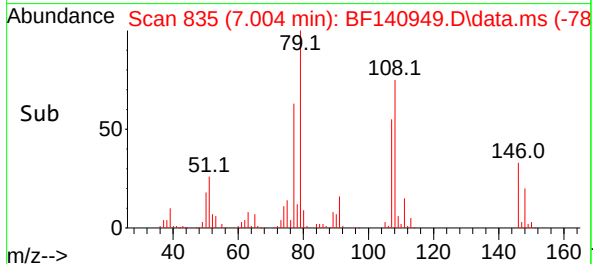
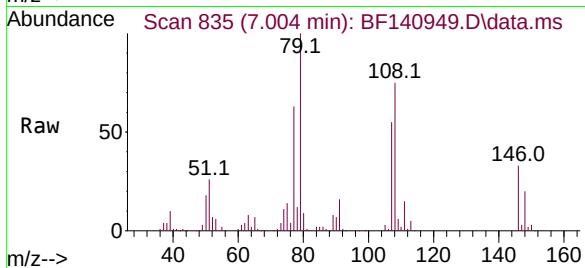
79 100

108 75.3 55.1 82.7

77 62.6 50.6 76.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

#16

2,2'-oxybis(1-Chloropropane)

Concen: 52.770 ng

RT: 7.116 min Scan# 854

Delta R.T. -0.006 min

Lab File: BF140949.D

Acq: 20 Dec 2024 14:36

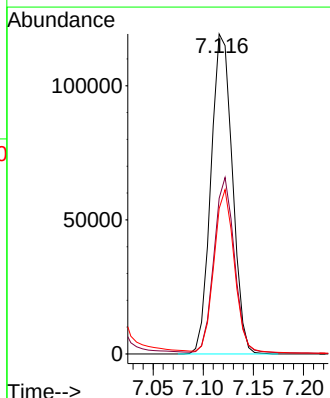
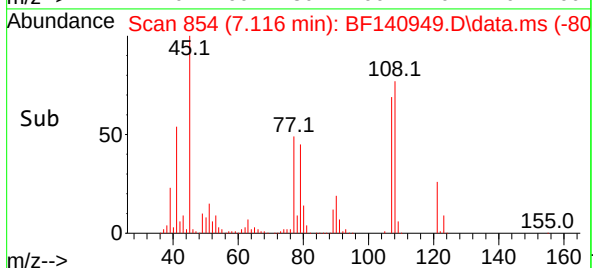
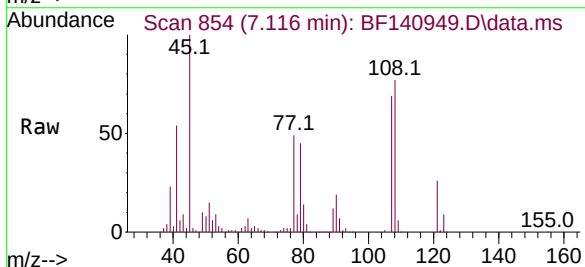
Tgt Ion: 45 Resp: 177636

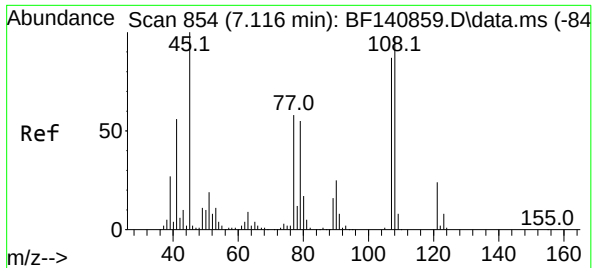
Ion Ratio Lower Upper

45 100

77 48.7 23.3 63.3

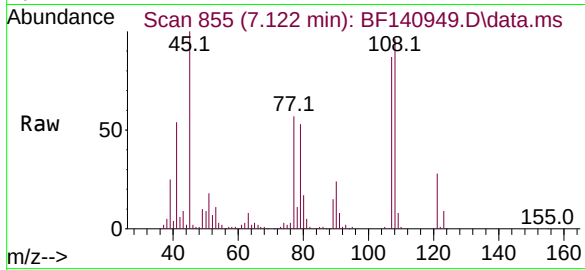
79 45.4 20.0 60.0





#17
2-Methylphenol
Concen: 57.071 ng
RT: 7.122 min Scan# 855
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

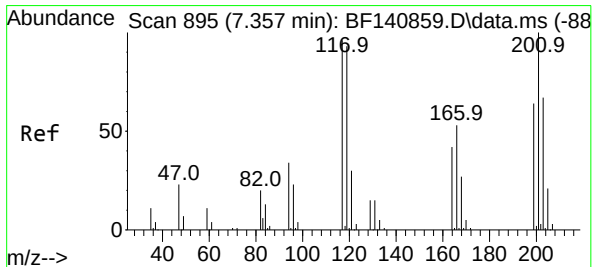
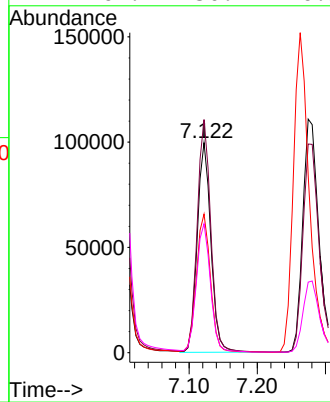
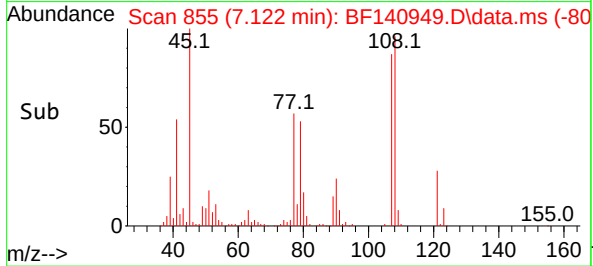
Instrument :
BNA_F
ClientSampleId :
OU4-VSL-11-121224MSD



Tgt Ion:107 Resp: 138692
Ion Ratio Lower Upper
107 100
108 111.0 90.2 135.4
77 65.9 53.8 80.6
79 61.4 50.9 76.3

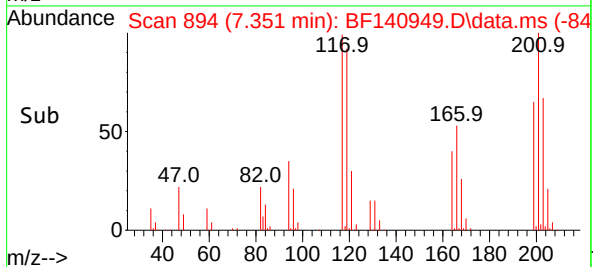
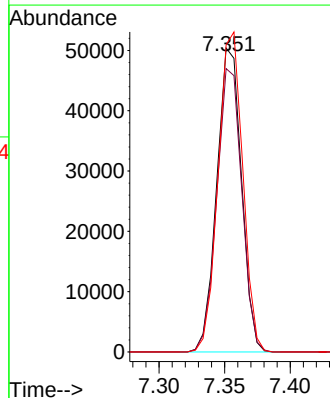
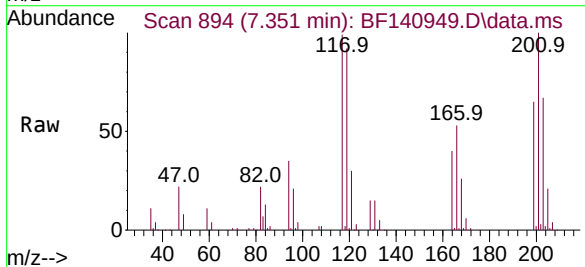
Manual Integrations
APPROVED

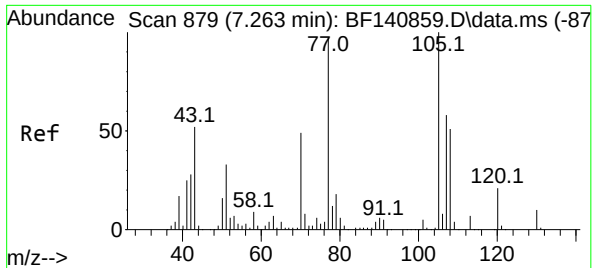
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#18
Hexachloroethane
Concen: 50.446 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:117 Resp: 66118
Ion Ratio Lower Upper
117 100
119 93.2 77.4 116.0
201 101.0 83.4 125.0





#19

n-Nitroso-di-n-propylamine

Concen: 53.736 ng

RT: 7.263 min Scan# 81

Delta R.T. -0.000 min

Lab File: BF140949.D

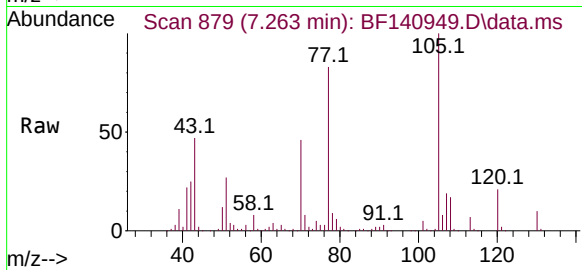
Acq: 20 Dec 2024 14:36

Instrument :

BNA_F

ClientSampleId :

OU4-VSL-11-121224MSD



Tgt Ion: 70 Resp: 11916

Ion Ratio Lower Upper

70 100

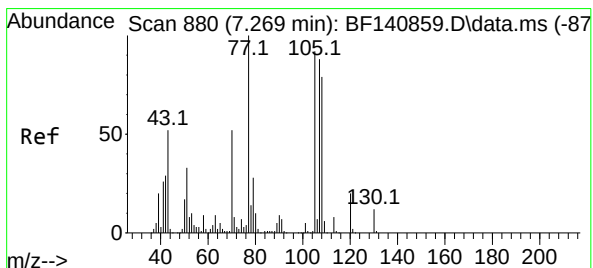
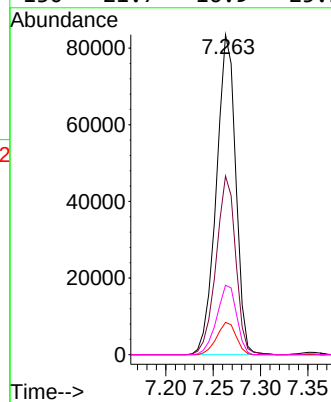
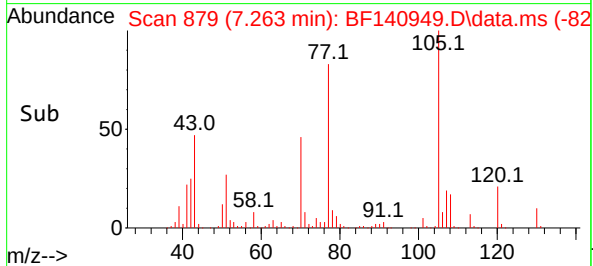
42 55.8 45.3 67.9

101 10.1 8.0 12.0

130 21.7 16.9 25.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

#20

3+4-Methylphenols

Concen: 57.503 ng

RT: 7.275 min Scan# 881

Delta R.T. 0.006 min

Lab File: BF140949.D

Acq: 20 Dec 2024 14:36

Tgt Ion:107 Resp: 185300

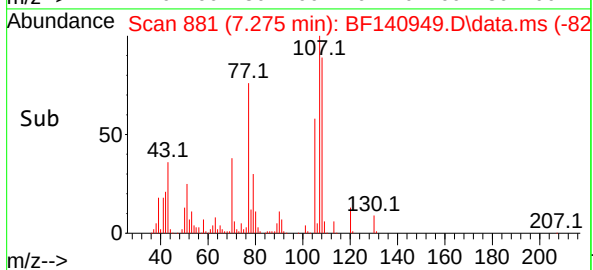
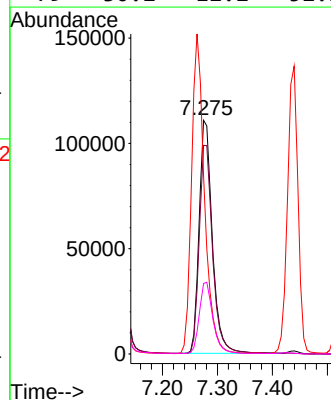
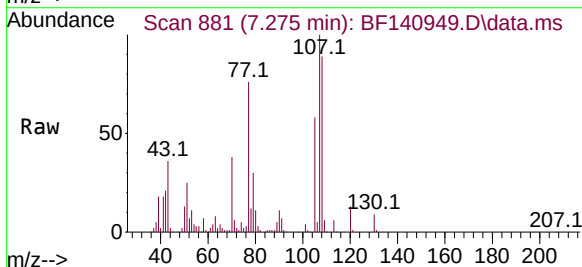
Ion Ratio Lower Upper

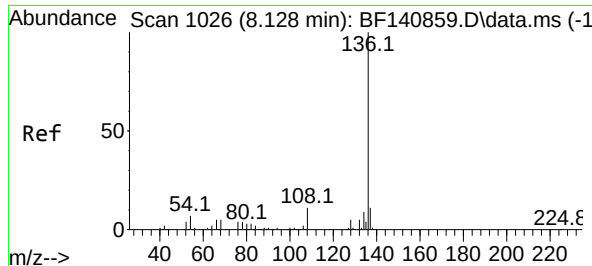
107 100

108 89.3 70.1 110.1

77 75.9 94.4 134.4#

79 30.2 12.2 52.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.128 min Scan# 1026

Delta R.T. -0.000 min

Lab File: BF140949.D

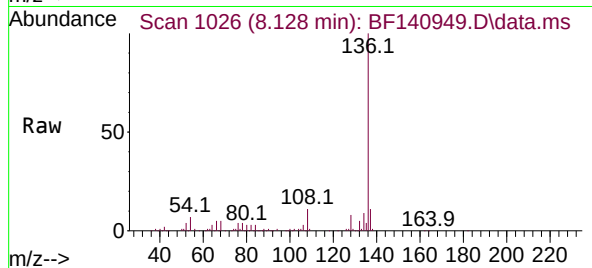
Acq: 20 Dec 2024 14:36

Instrument :

BNA_F

ClientSampleId :

OU4-VSL-11-121224MSD



Tgt Ion:136 Resp: 175670

Ion Ratio Lower Upper

136 100

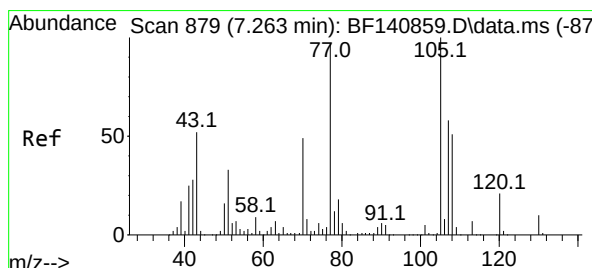
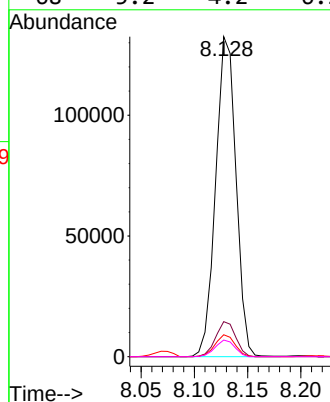
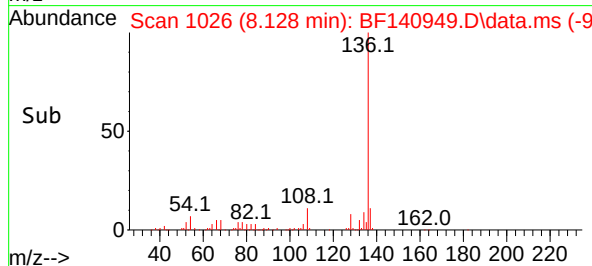
137 10.9 9.0 13.4

54 6.9 5.6 8.4

68 5.2 4.2 6.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

#22

Acetophenone

Concen: 54.917 ng

RT: 7.263 min Scan# 879

Delta R.T. -0.000 min

Lab File: BF140949.D

Acq: 20 Dec 2024 14:36

Tgt Ion:105 Resp: 241328

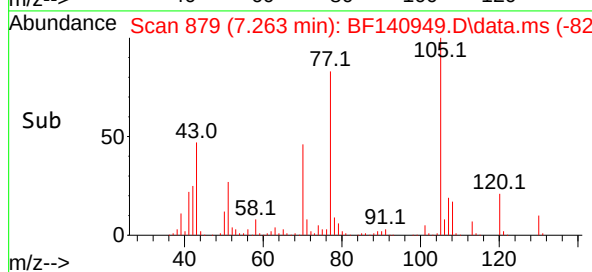
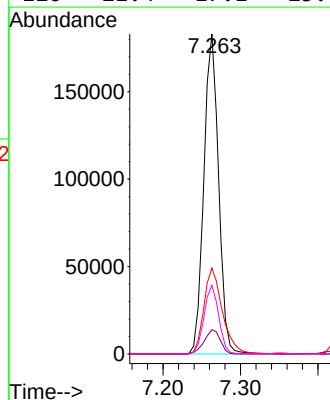
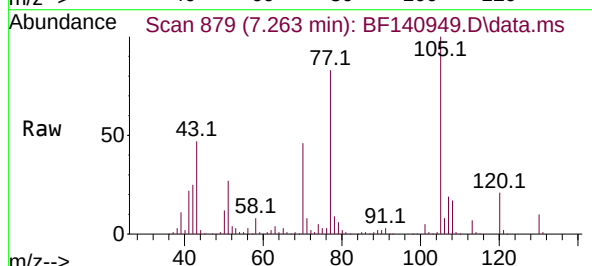
Ion Ratio Lower Upper

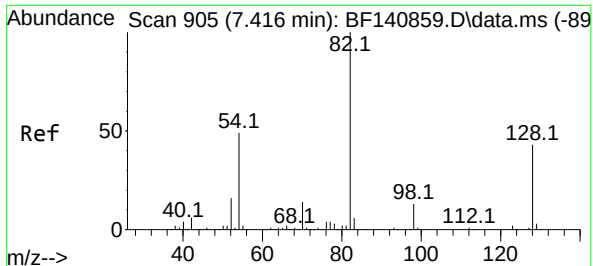
105 100

71 7.6 6.2 9.4

51 26.8 26.3 39.5

120 21.4 17.1 25.7





#23

Nitrobenzene-d5

Concen: 89.714 ng

RT: 7.416 min Scan# 905

Delta R.T. -0.000 min

Lab File: BF140949.D

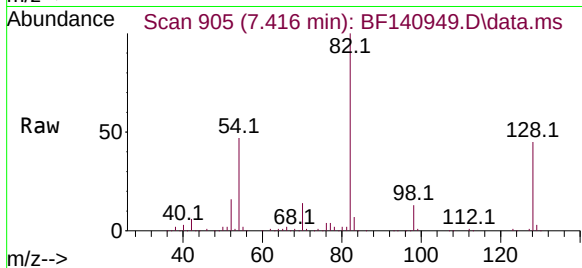
Acq: 20 Dec 2024 14:36

Instrument :

BNA_F

ClientSampleId :

OU4-VSL-11-121224MSD

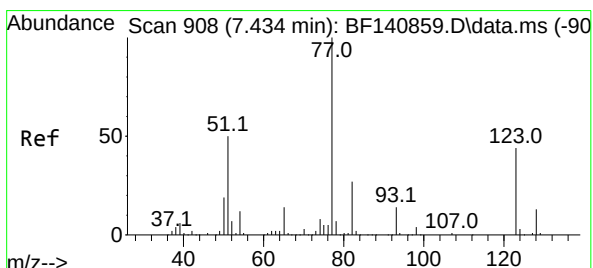
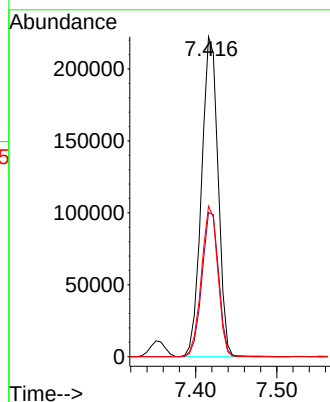
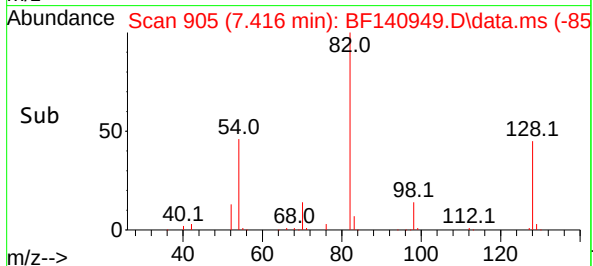


Tgt Ion:	82	Resp:	31500
Ion	Ratio	Lower	Upper
82	100		
128	45.1	34.4	51.6
54	47.1	38.8	58.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#24

Nitrobenzene

Concen: 50.063 ng

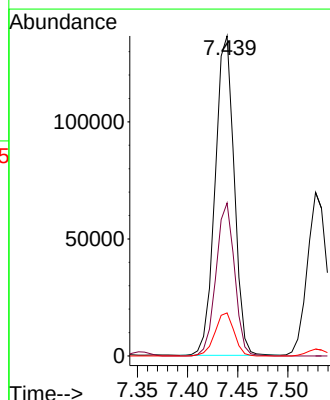
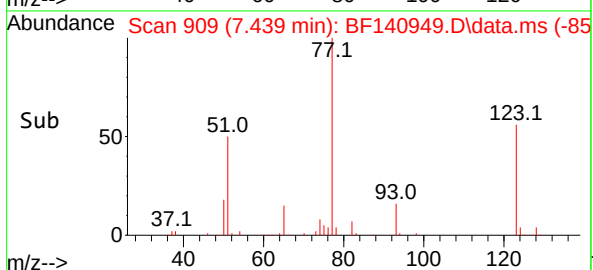
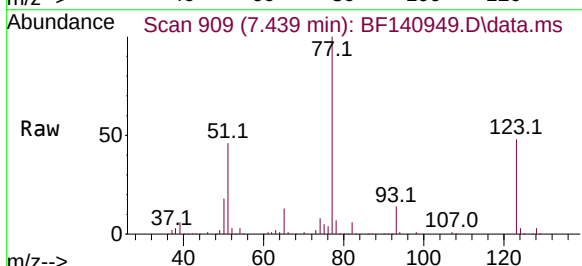
RT: 7.439 min Scan# 909

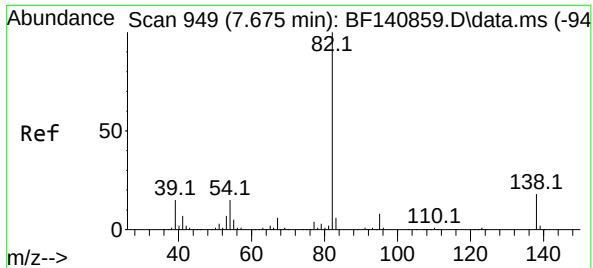
Delta R.T. 0.006 min

Lab File: BF140949.D

Acq: 20 Dec 2024 14:36

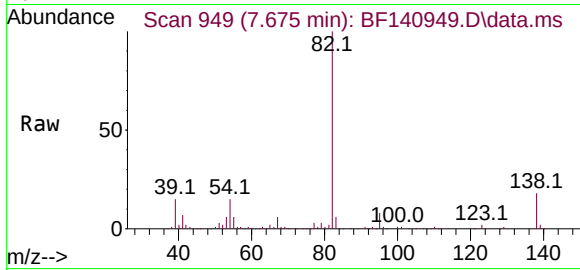
Tgt Ion:	77	Resp:	180083
Ion	Ratio	Lower	Upper
77	100		
123	47.8	35.0	52.4
65	13.4	11.4	17.0





#25
Isophorone
Concen: 53.439 ng
RT: 7.675 min Scan# 949
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

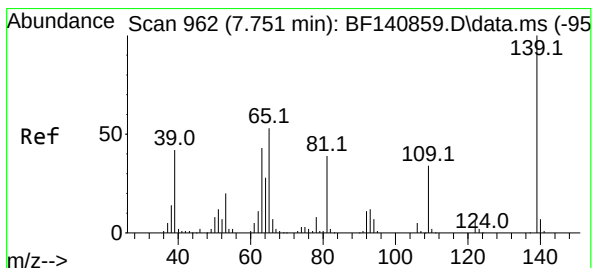
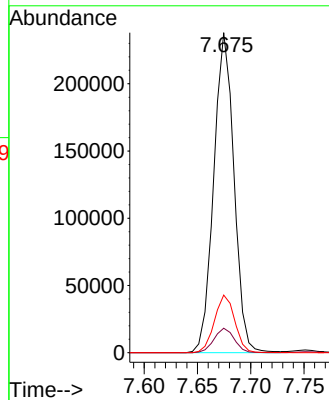
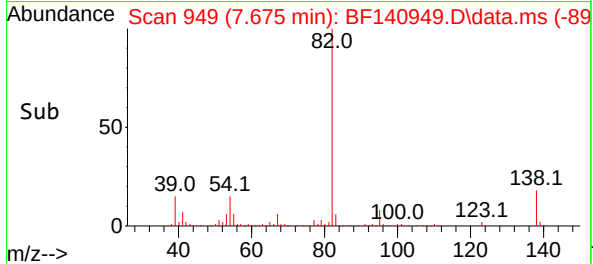
Instrument :
BNA_F
ClientSampleId :
OU4-VSL-11-121224MSD



Tgt Ion: 82 Resp: 31439
Ion Ratio Lower Upper
82 100
95 7.6 6.3 9.5
138 18.0 14.1 21.1

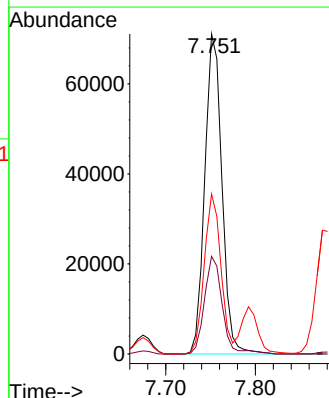
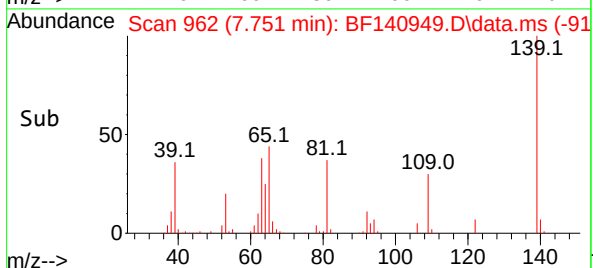
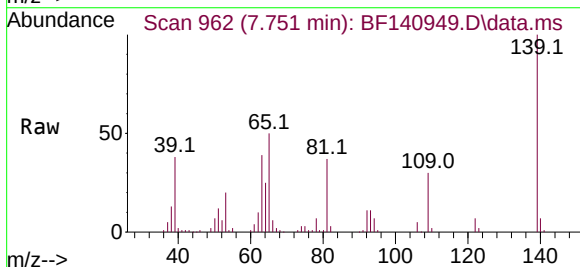
Manual Integrations
APPROVED

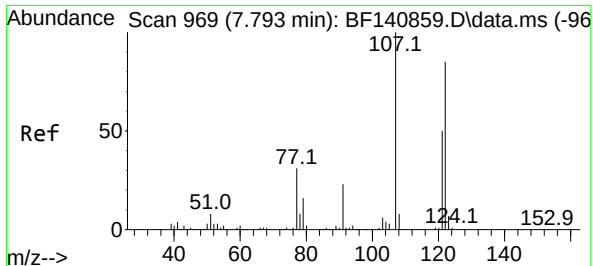
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#26
2-Nitrophenol
Concen: 57.032 ng
RT: 7.751 min Scan# 962
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:139 Resp: 94485
Ion Ratio Lower Upper
139 100
109 30.5 26.9 40.3
65 50.0 42.6 64.0





#27

2,4-Dimethylphenol

Concen: 66.141 ng

RT: 7.792 min Scan# 90

Delta R.T. -0.000 min

Lab File: BF140949.D

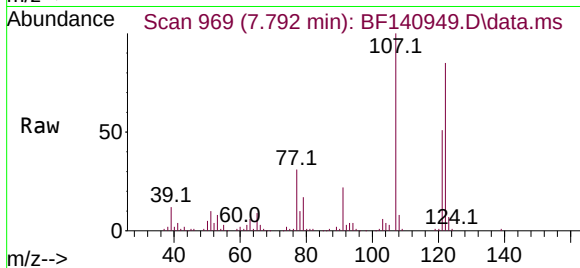
Acq: 20 Dec 2024 14:36

Instrument :

BNA_F

ClientSampleId :

OU4-VSL-11-121224MSD



Tgt Ion:122 Resp: 127969

Ion Ratio Lower Upper

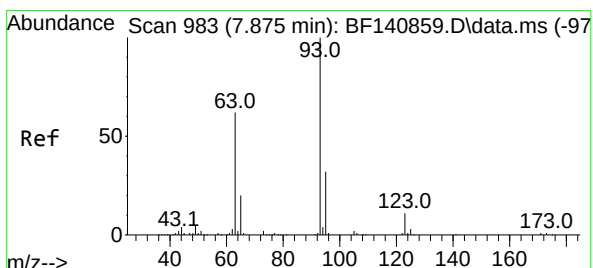
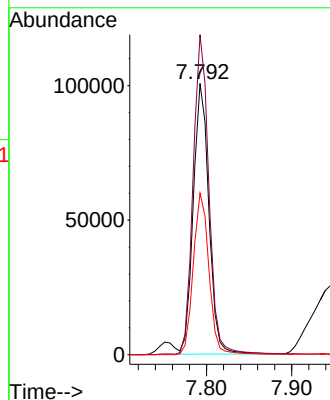
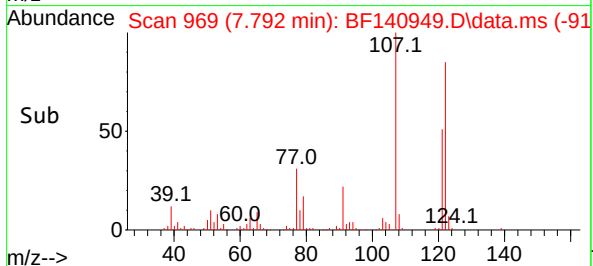
122 100

107 118.0 92.6 139.0

121 59.6 45.8 68.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

#28

bis(2-Chloroethoxy)methane

Concen: 51.420 ng

RT: 7.881 min Scan# 984

Delta R.T. 0.006 min

Lab File: BF140949.D

Acq: 20 Dec 2024 14:36

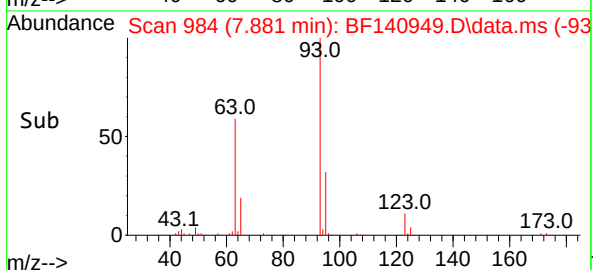
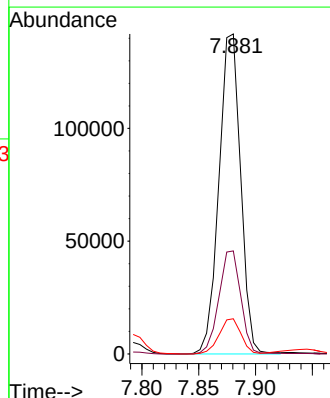
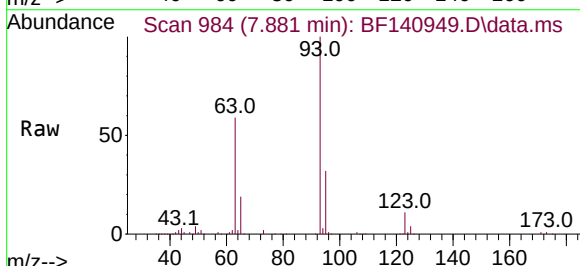
Tgt Ion: 93 Resp: 188944

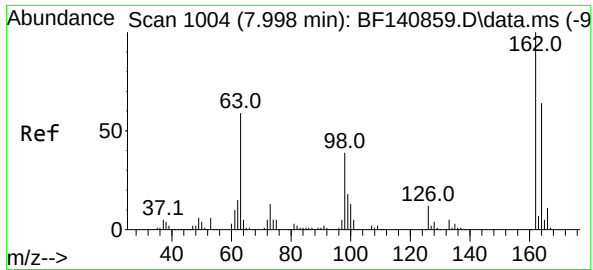
Ion Ratio Lower Upper

93 100

95 32.2 25.3 37.9

123 11.0 8.6 13.0





#29

2,4-Dichlorophenol

Concen: 55.934 ng

RT: 8.004 min Scan# 1004

Delta R.T. 0.006 min

Lab File: BF140949.D

Acq: 20 Dec 2024 14:36

Instrument :

BNA_F

ClientSampleId :

OU4-VSL-11-121224MSD

Tgt Ion:162 Resp: 149408

Ion Ratio Lower Upper

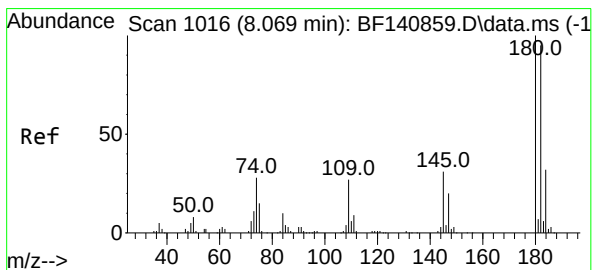
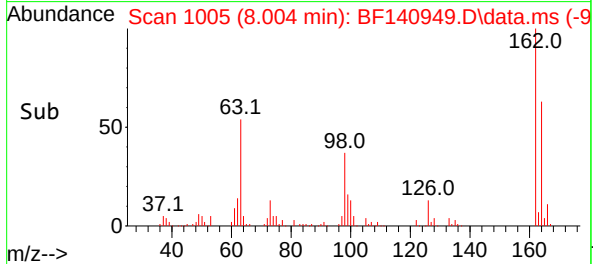
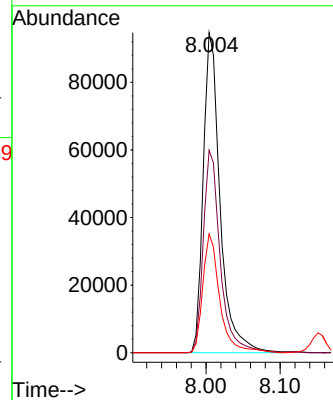
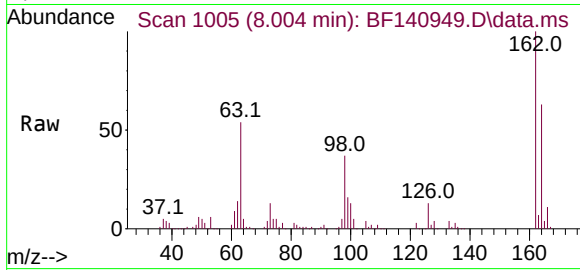
162 100

164 63.3 43.7 83.7

98 37.1 18.6 58.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

#30

1,2,4-Trichlorobenzene

Concen: 50.051 ng

RT: 8.075 min Scan# 1017

Delta R.T. 0.006 min

Lab File: BF140949.D

Acq: 20 Dec 2024 14:36

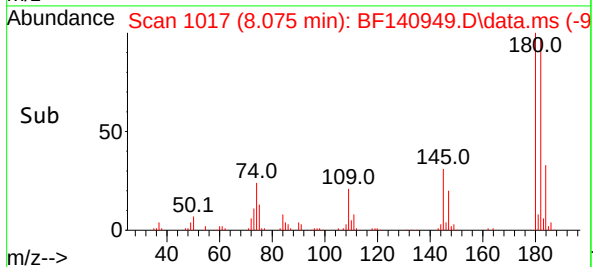
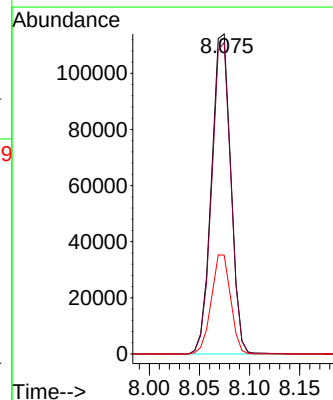
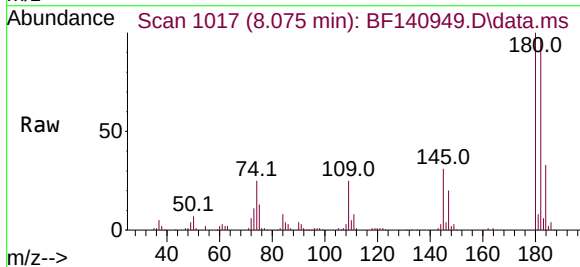
Tgt Ion:180 Resp: 153263

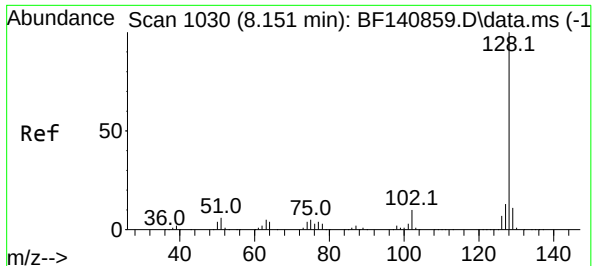
Ion Ratio Lower Upper

180 100

182 97.3 75.8 113.6

145 30.9 25.2 37.8





#31

Naphthalene

Concen: 53.602 ng

RT: 8.151 min Scan# 1030

Delta R.T. -0.000 min

Lab File: BF140949.D

Acq: 20 Dec 2024 14:36

Instrument :

BNA_F

ClientSampleId :

OU4-VSL-11-121224MSD

Tgt Ion:128 Resp: 51724

Ion Ratio Lower Upper

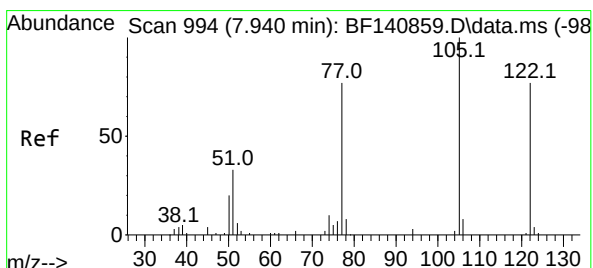
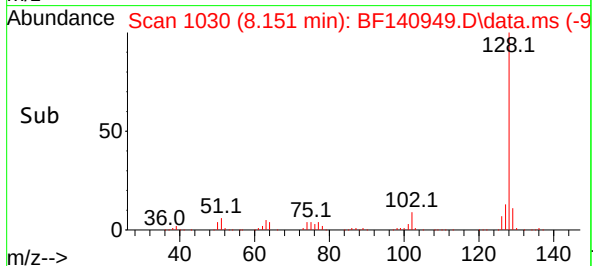
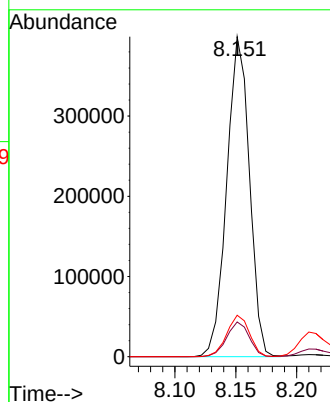
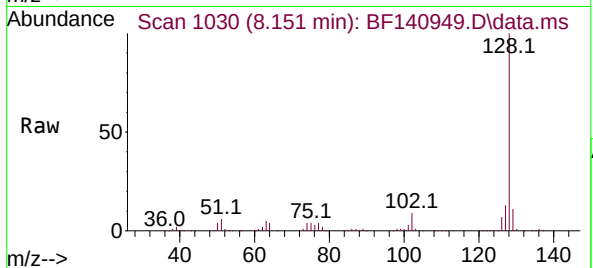
128 100

129 10.8 8.9 13.3

127 13.0 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

#32

Benzoic acid

Concen: 39.151 ng

RT: 7.945 min Scan# 995

Delta R.T. 0.005 min

Lab File: BF140949.D

Acq: 20 Dec 2024 14:36

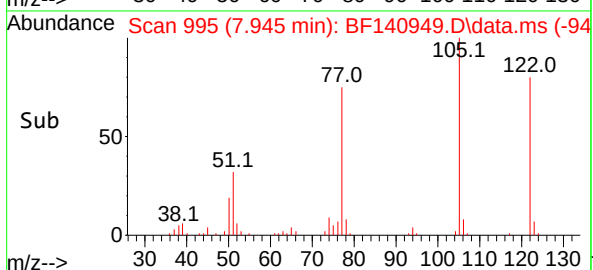
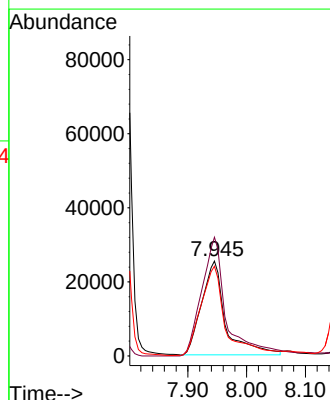
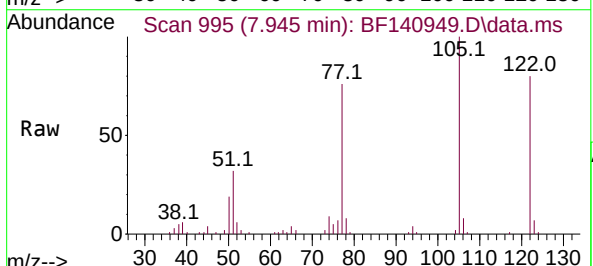
Tgt Ion:122 Resp: 71840

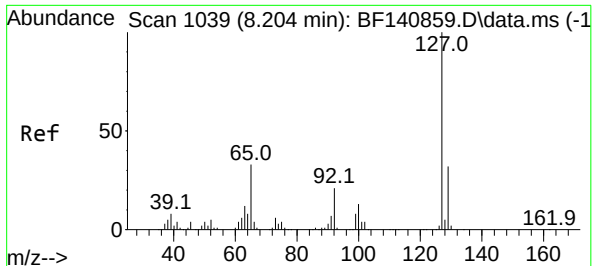
Ion Ratio Lower Upper

122 100

105 125.1 108.3 148.3

77 94.6 78.8 118.8





#33

4-Chloroaniline

Concen: 22.062 ng

RT: 8.210 min Scan# 1040

Delta R.T. 0.006 min

Lab File: BF140949.D

Acq: 20 Dec 2024 14:36

Instrument :

BNA_F

ClientSampleId :

OU4-VSL-11-121224MSD

Tgt Ion:127 Resp: 70709

Ion Ratio Lower Upper

127 100

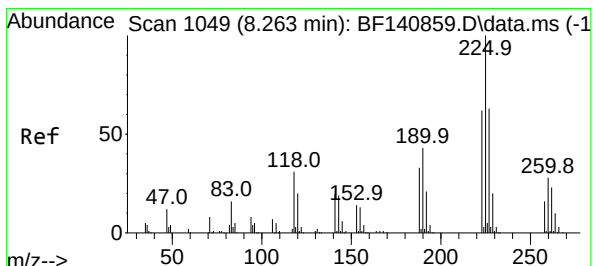
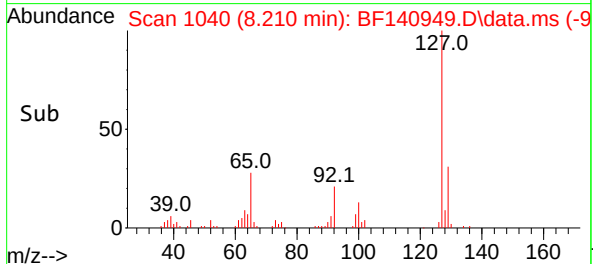
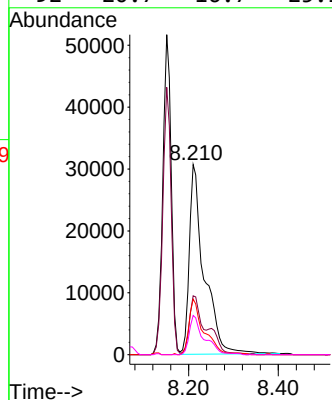
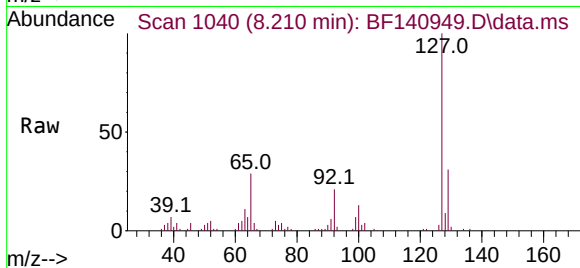
129 31.0 26.0 39.0

65 29.2 26.0 39.0

92 20.7 16.7 25.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

#34

Hexachlorobutadiene

Concen: 48.916 ng

RT: 8.263 min Scan# 1049

Delta R.T. -0.000 min

Lab File: BF140949.D

Acq: 20 Dec 2024 14:36

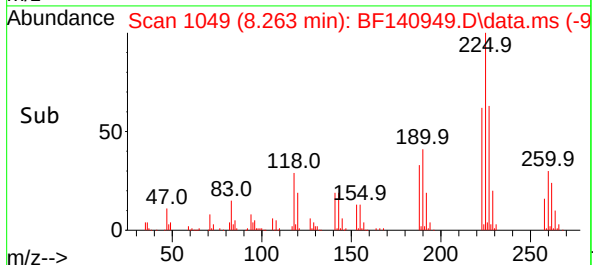
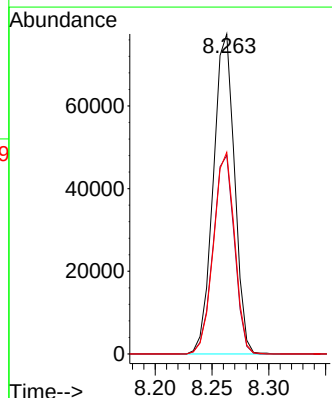
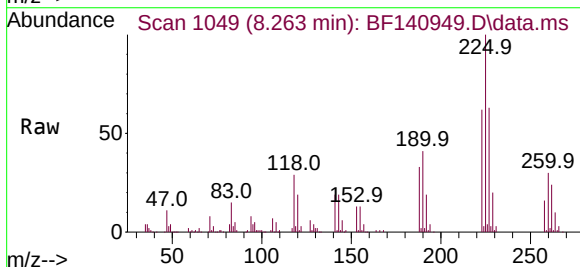
Tgt Ion:225 Resp: 100776

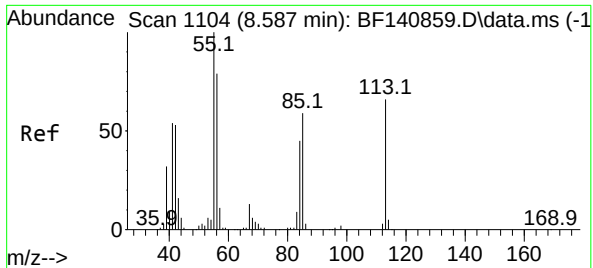
Ion Ratio Lower Upper

225 100

223 62.1 49.6 74.4

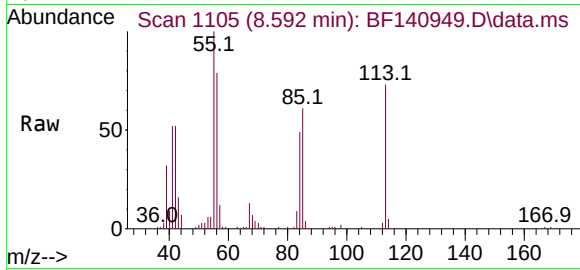
227 63.0 50.7 76.1





#35
Caprolactam
Concen: 59.086 ng m
RT: 8.592 min Scan# 1105
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

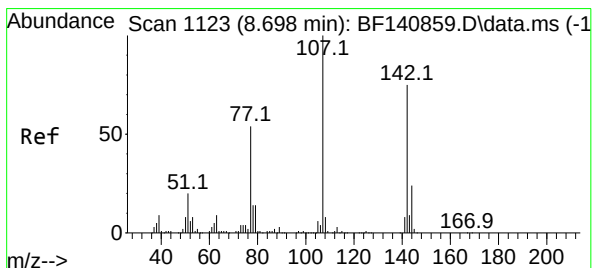
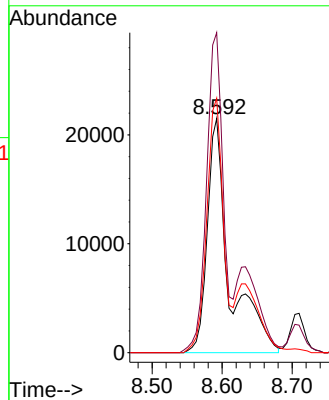
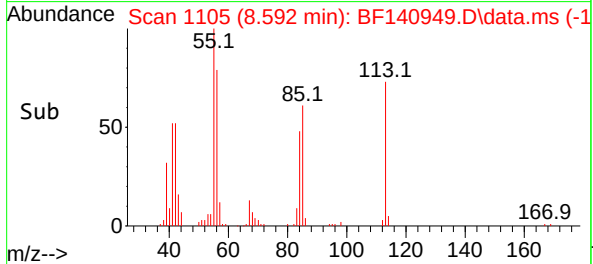
Instrument :
BNA_F
ClientSampleId :
OU4-VSL-11-121224MSD



Tgt Ion:113 Resp: 4698
Ion Ratio Lower Upper
113 100
55 136.7 132.3 172.3
56 108.7 100.3 140.3

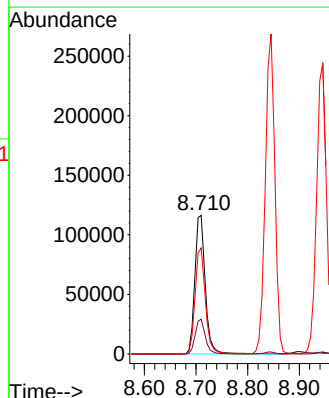
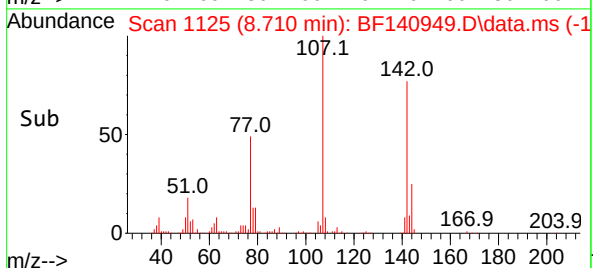
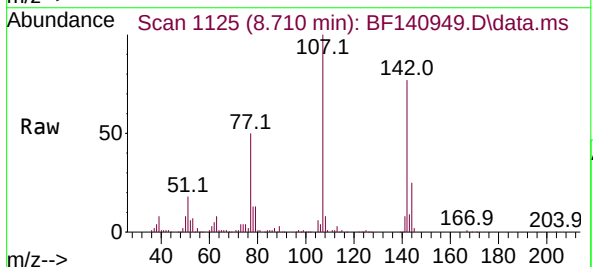
Manual Integrations
APPROVED

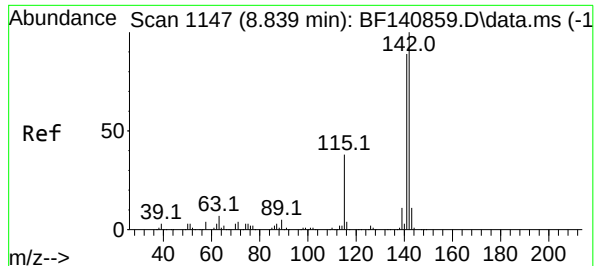
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#36
4-Chloro-3-methylphenol
Concen: 54.366 ng
RT: 8.710 min Scan# 1125
Delta R.T. 0.012 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:107 Resp: 163449
Ion Ratio Lower Upper
107 100
144 25.0 19.4 29.2
142 76.5 60.3 90.5





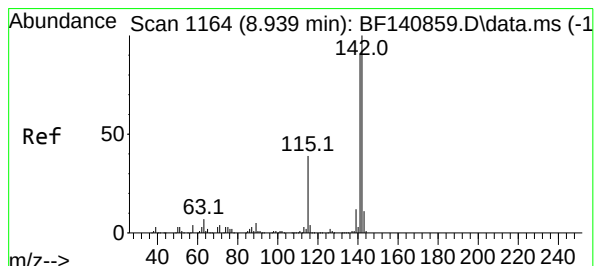
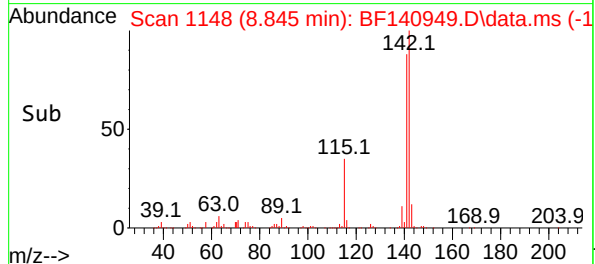
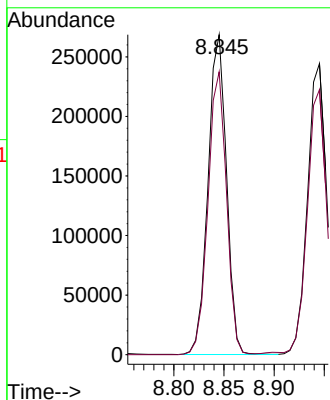
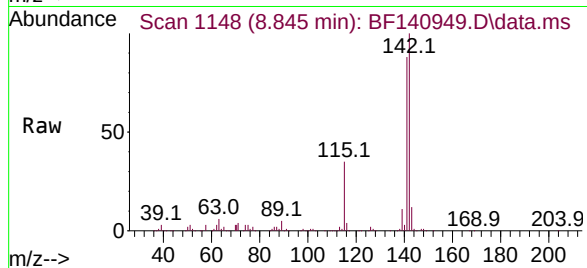
#37
2-Methylnaphthalene
Concen: 53.795 ng
RT: 8.845 min Scan# 1147
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Instrument :
BNA_F
ClientSampleId :
OU4-VSL-11-121224MSD

Tgt Ion:142 Resp: 34339
Ion Ratio Lower Upper
142 100
141 88.4 71.0 106.6

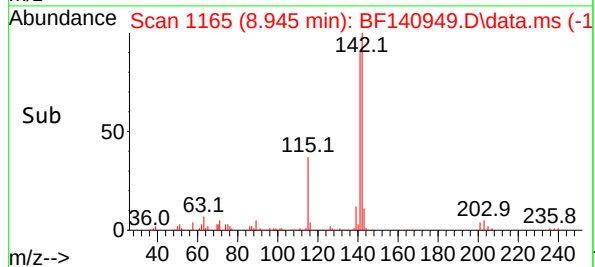
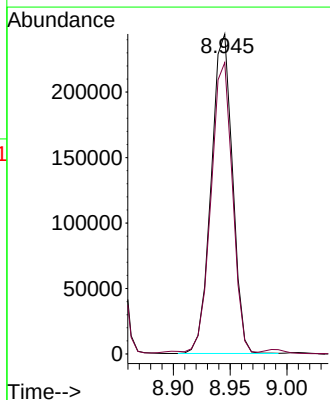
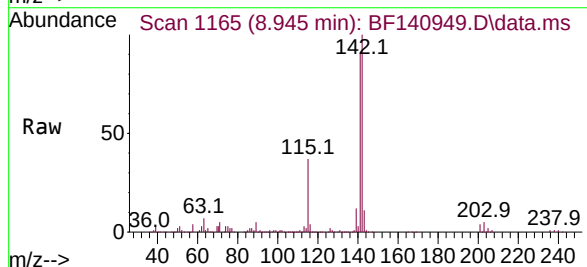
Manual Integrations
APPROVED

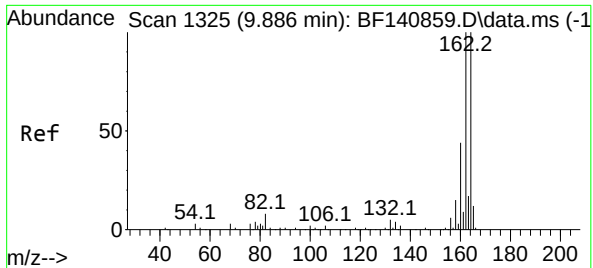
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#38
1-Methylnaphthalene
Concen: 50.458 ng
RT: 8.945 min Scan# 1165
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

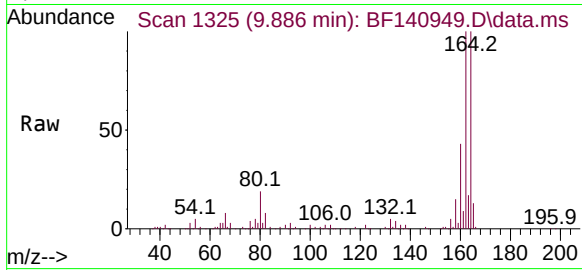
Tgt Ion:142 Resp: 318541
Ion Ratio Lower Upper
142 100
141 91.0 73.4 110.0





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1175
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

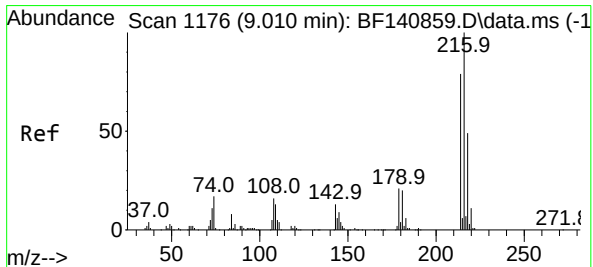
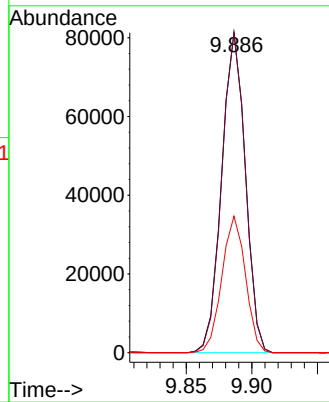
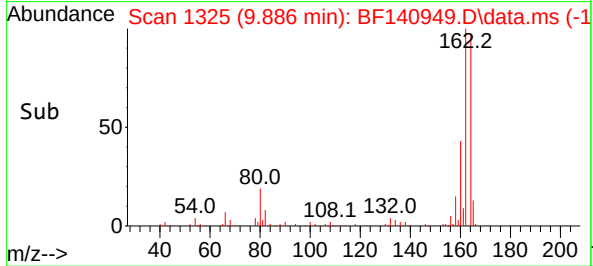
Instrument :
BNA_F
ClientSampleId :
OU4-VSL-11-121224MSD



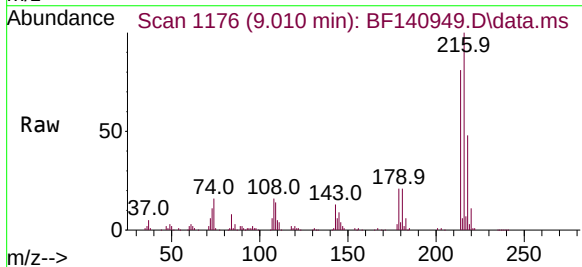
Tgt Ion:164 Resp: 10215
Ion Ratio Lower Upper
164 100
162 100.0 79.9 119.9
160 42.7 35.2 52.8

Manual Integrations
APPROVED

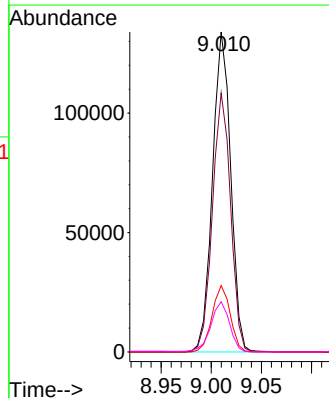
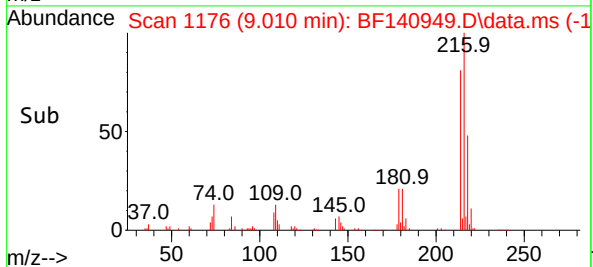
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

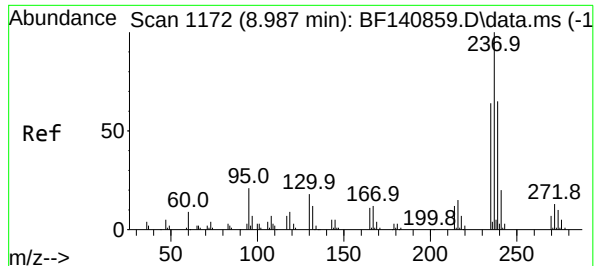


#40
1,2,4,5-Tetrachlorobenzene
Concen: 53.866 ng
RT: 9.010 min Scan# 1176
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36



Tgt Ion:216 Resp: 169136
Ion Ratio Lower Upper
216 100
214 80.7 63.6 95.4
179 20.7 17.0 25.4
108 16.3 14.2 21.2





#41

Hexachlorocyclopentadiene

Concen: 41.662 ng

RT: 8.992 min Scan# 1172

Delta R.T. 0.005 min

Lab File: BF140949.D

Acq: 20 Dec 2024 14:36

Instrument :

BNA_F

ClientSampleId :

OU4-VSL-11-121224MSD

Tgt Ion:237 Resp: 31402

Ion Ratio Lower Upper

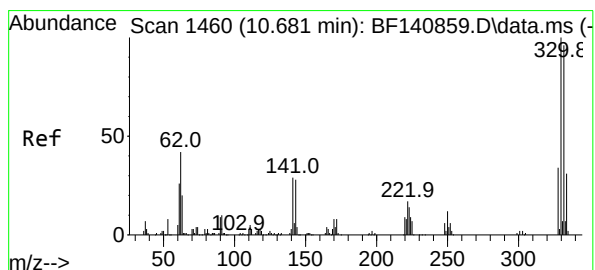
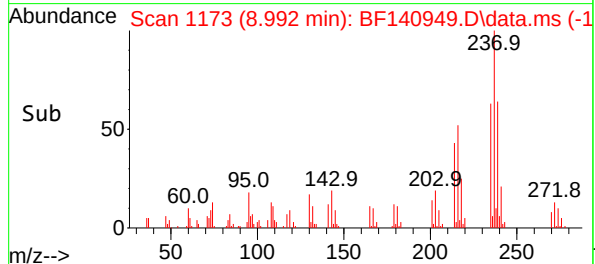
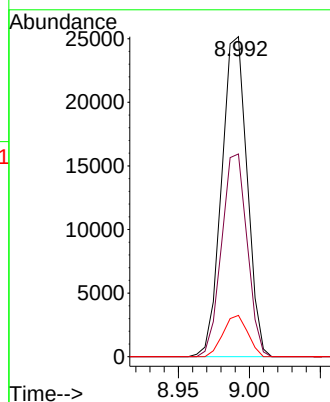
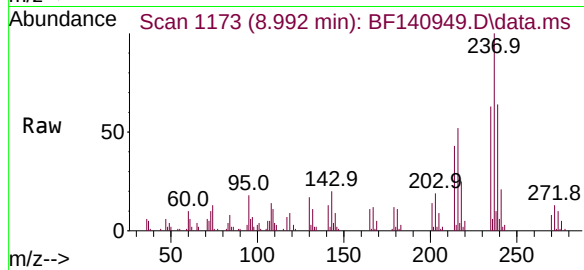
237 100

235 63.4 43.7 83.7

272 12.9 0.0 32.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

#42

2,4,6-Tribromophenol

Concen: 134.298 ng

RT: 10.686 min Scan# 1461

Delta R.T. 0.006 min

Lab File: BF140949.D

Acq: 20 Dec 2024 14:36

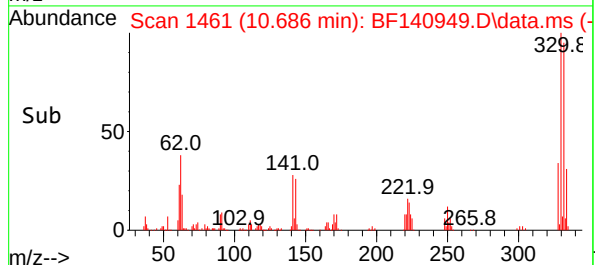
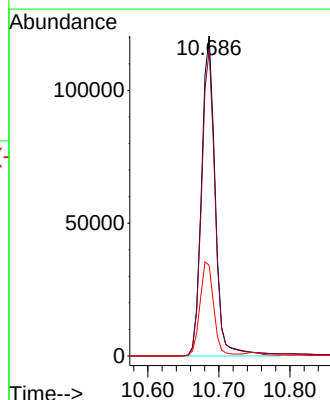
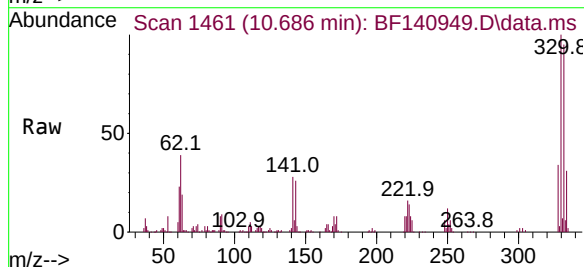
Tgt Ion:330 Resp: 162262

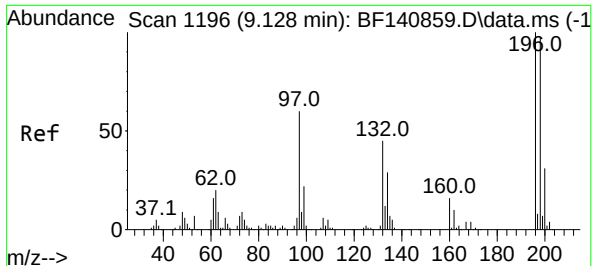
Ion Ratio Lower Upper

330 100

332 97.5 76.2 114.4

141 29.6 24.9 37.3





#43

2,4,6-Trichlorophenol

Concen: 53.386 ng

RT: 9.133 min Scan# 1196

Delta R.T. 0.006 min

Lab File: BF140949.D

Acq: 20 Dec 2024 14:36

Instrument :

BNA_F

ClientSampleId :

OU4-VSL-11-121224MSD

Tgt Ion:196 Resp: 102644

Ion Ratio Lower Upper

196 100

198 94.4 77.4 116.0

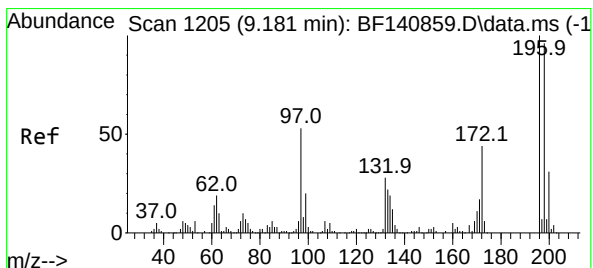
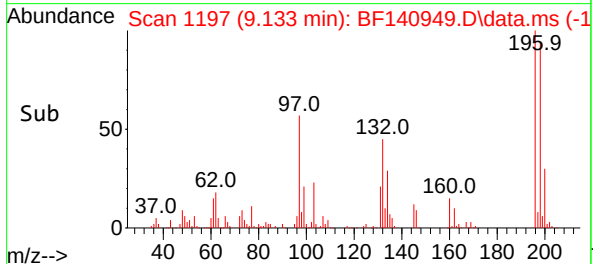
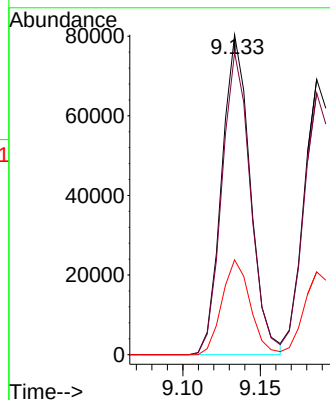
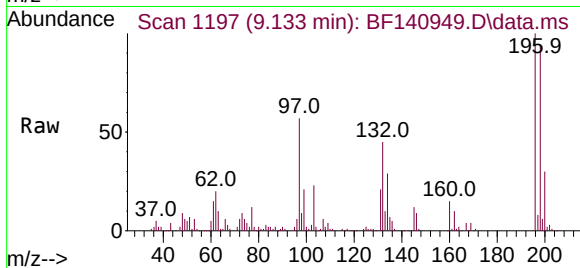
200 29.6 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024

Supervised By :mohammad ahmed 12/24/2024



#44

2,4,5-Trichlorophenol

Concen: 50.828 ng

RT: 9.186 min Scan# 1206

Delta R.T. 0.006 min

Lab File: BF140949.D

Acq: 20 Dec 2024 14:36

Tgt Ion:196 Resp: 107412

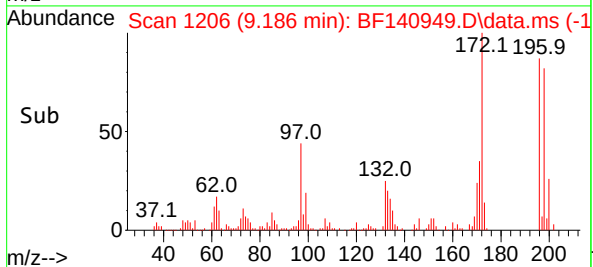
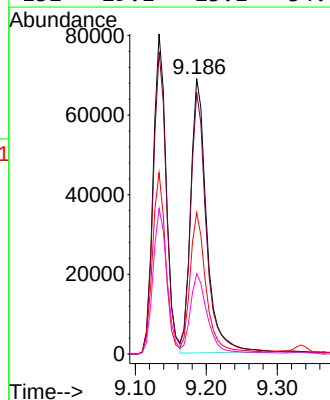
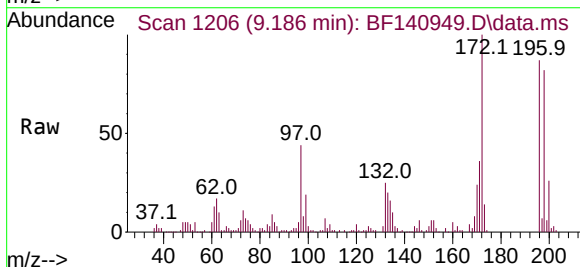
Ion Ratio Lower Upper

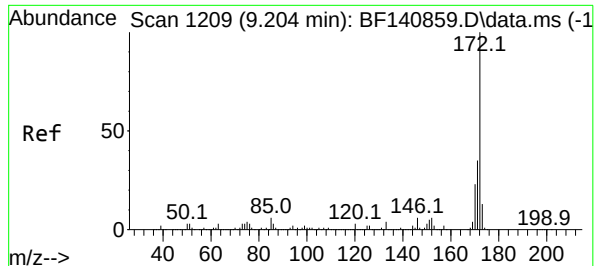
196 100

198 95.1 77.2 115.8

97 51.3 42.2 63.4

132 29.1 23.1 34.7





#45

2-Fluorobiphenyl

Concen: 86.762 ng

RT: 9.204 min Scan# 1209

Delta R.T. -0.000 min

Lab File: BF140949.D

Acq: 20 Dec 2024 14:36

Instrument :

BNA_F

ClientSampleId :

OU4-VSL-11-121224MSD

Tgt Ion:172 Resp: 644674

Ion Ratio Lower Upper

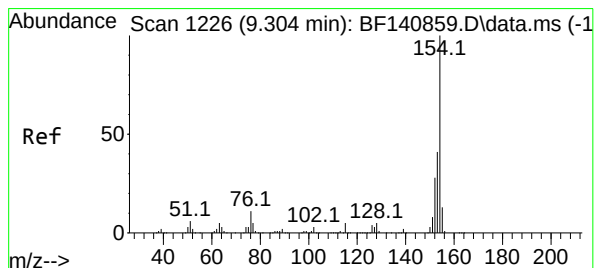
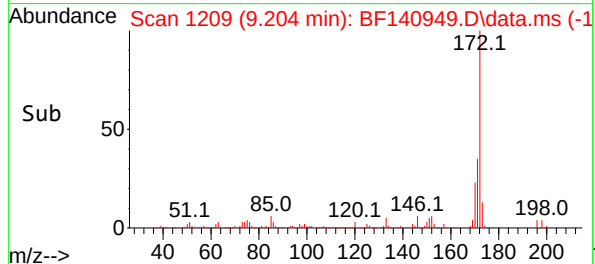
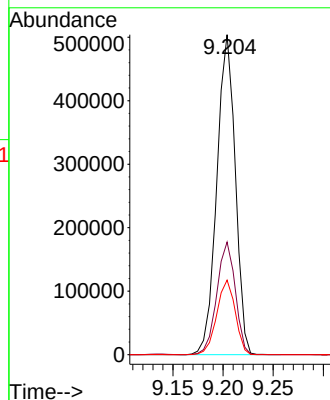
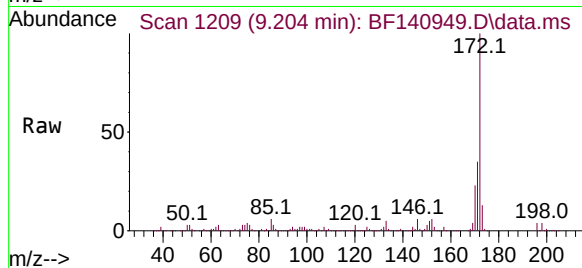
172 100

171 35.2 28.4 42.6

170 23.3 18.6 28.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

#46

1,1'-Biphenyl

Concen: 53.374 ng

RT: 9.304 min Scan# 1226

Delta R.T. -0.000 min

Lab File: BF140949.D

Acq: 20 Dec 2024 14:36

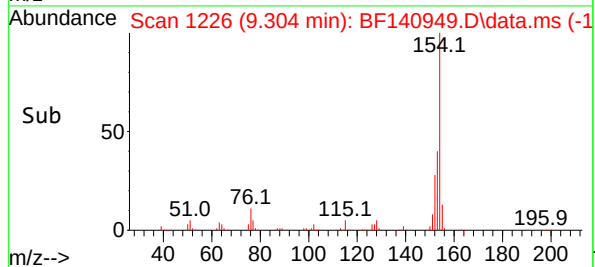
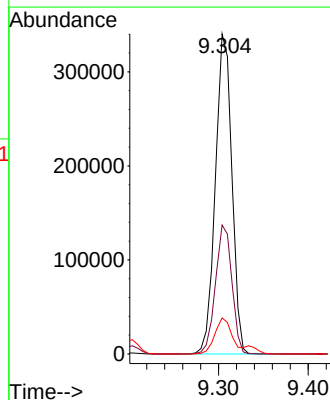
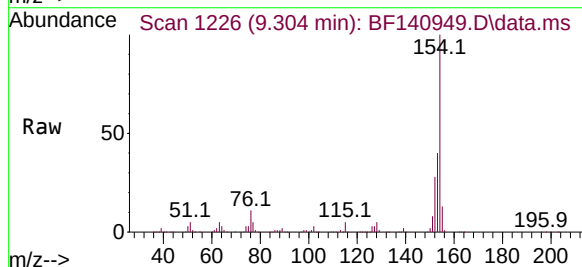
Tgt Ion:154 Resp: 433578

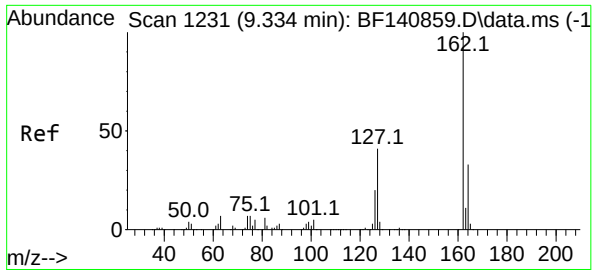
Ion Ratio Lower Upper

154 100

153 40.3 20.8 60.8

76 11.3 0.0 31.0





#47

2-Chloronaphthalene

Concen: 51.486 ng

RT: 9.333 min Scan# 1231

Delta R.T. -0.000 min

Lab File: BF140949.D

Acq: 20 Dec 2024 14:36

Instrument :

BNA_F

ClientSampleId :

OU4-VSL-11-121224MSD

Tgt Ion:162 Resp: 31995

Ion Ratio Lower Upper

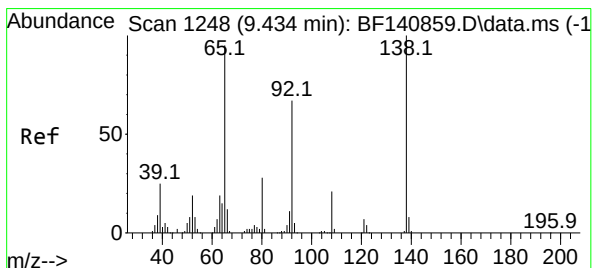
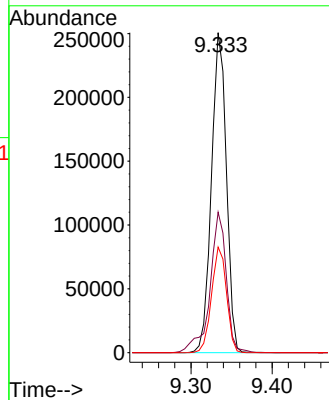
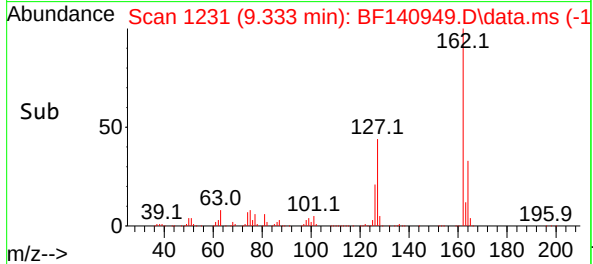
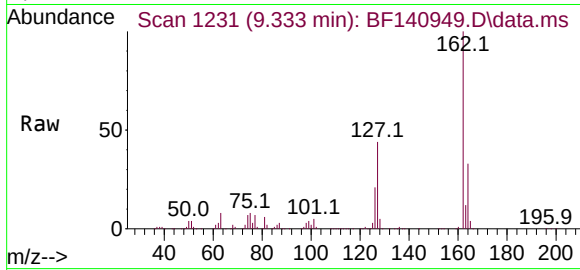
162 100

127 43.9 33.5 50.3

164 33.0 26.2 39.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

#48

2-Nitroaniline

Concen: 53.688 ng

RT: 9.439 min Scan# 1249

Delta R.T. 0.006 min

Lab File: BF140949.D

Acq: 20 Dec 2024 14:36

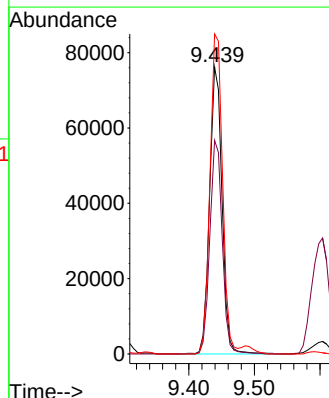
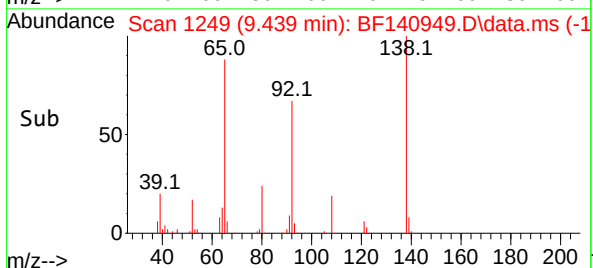
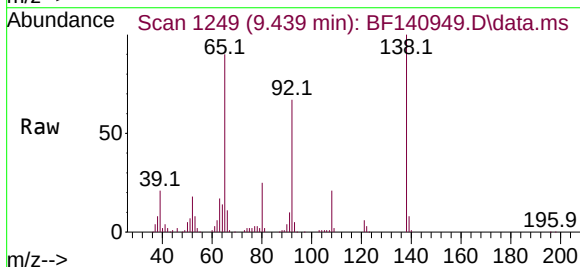
Tgt Ion: 65 Resp: 100764

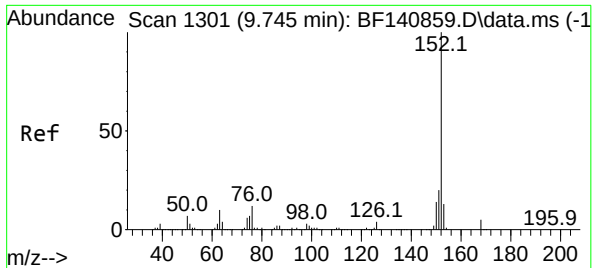
Ion Ratio Lower Upper

65 100

92 74.4 56.3 84.5

138 111.5 83.8 125.6





#49

Acenaphthylene

Concen: 57.943 ng

RT: 9.751 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF140949.D

Acq: 20 Dec 2024 14:36

Instrument :

BNA_F

ClientSampleId :

OU4-VSL-11-121224MSD

Tgt Ion:152 Resp: 529169

Ion Ratio Lower Upper

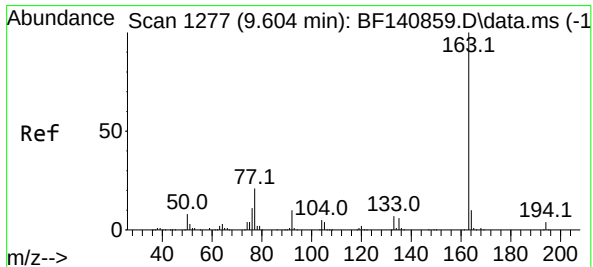
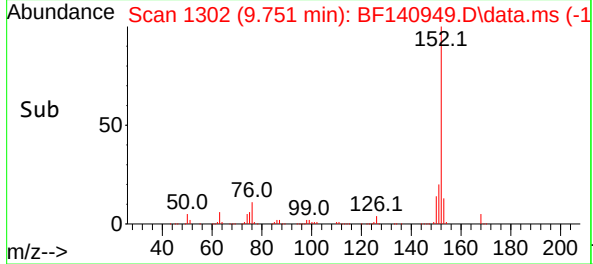
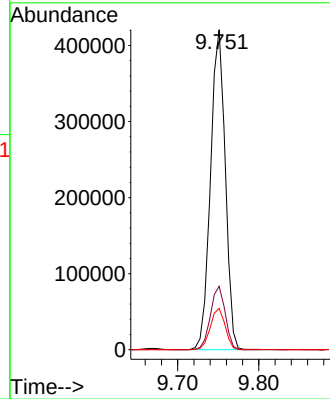
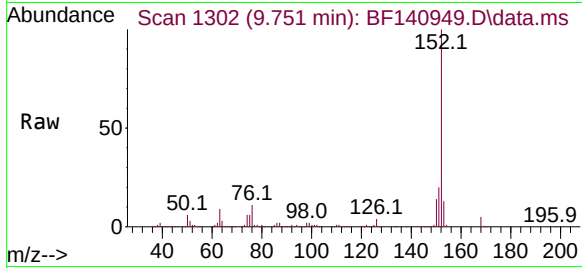
152 100

151 19.8 16.0 24.0

153 12.9 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

#50

Dimethylphthalate

Concen: 52.492 ng

RT: 9.604 min Scan# 1277

Delta R.T. -0.000 min

Lab File: BF140949.D

Acq: 20 Dec 2024 14:36

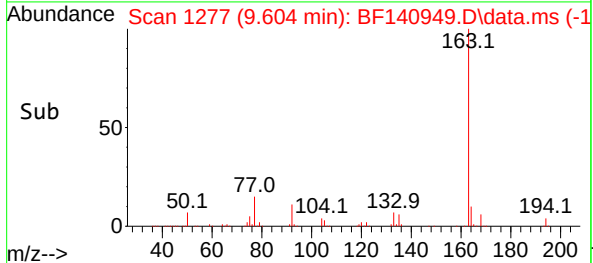
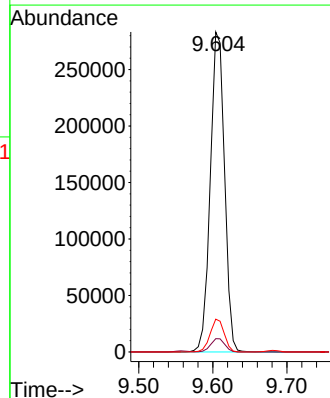
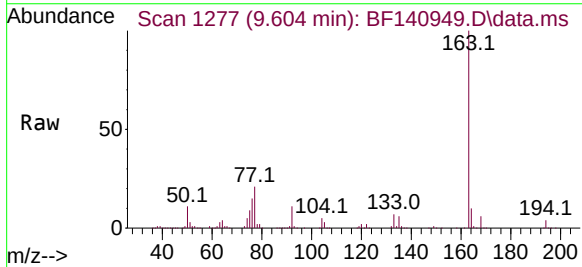
Tgt Ion:163 Resp: 378063

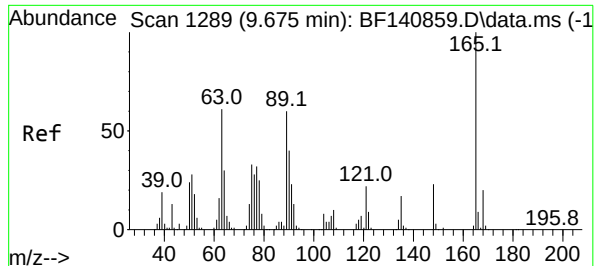
Ion Ratio Lower Upper

163 100

194 4.1 3.1 4.7

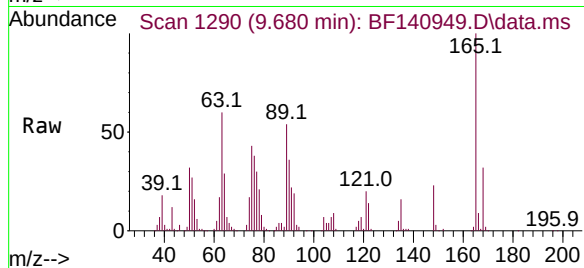
164 10.2 8.1 12.1





#51
2,6-Dinitrotoluene
Concen: 51.261 ng
RT: 9.680 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

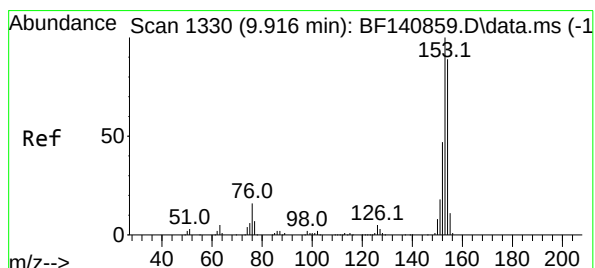
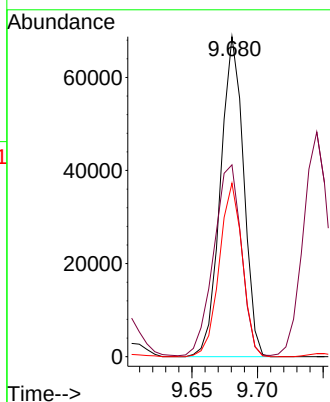
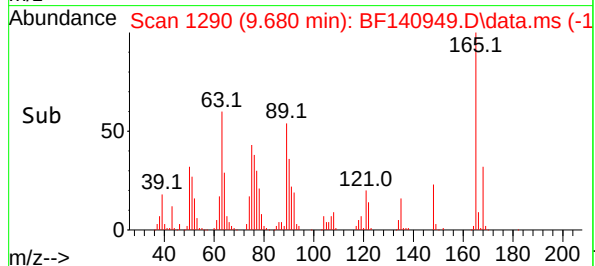
Instrument :
BNA_F
ClientSampleId :
OU4-VSL-11-121224MSD



Tgt Ion:165 Resp: 8440
Ion Ratio Lower Upper
165 100
63 59.9 49.7 74.5
89 54.2 48.2 72.4

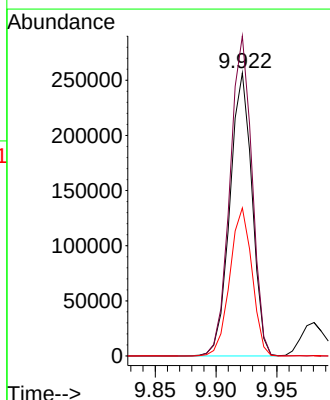
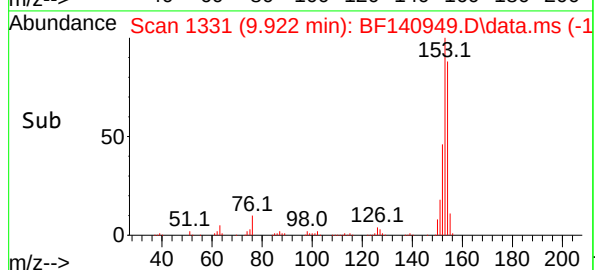
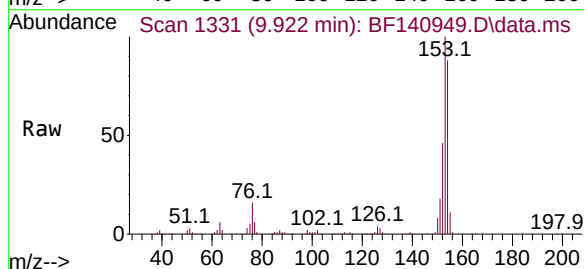
Manual Integrations
APPROVED

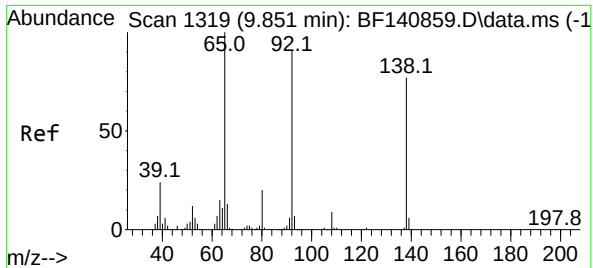
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#52
Acenaphthene
Concen: 55.638 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

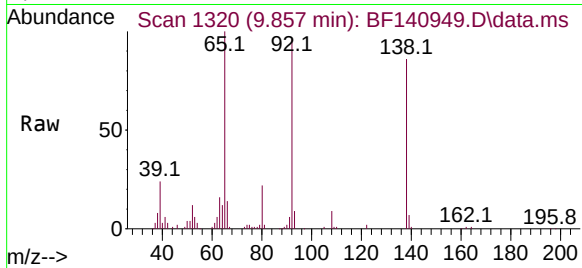
Tgt Ion:154 Resp: 324577
Ion Ratio Lower Upper
154 100
153 113.1 89.9 134.9
152 52.3 42.6 63.8





#53
3-Nitroaniline
Concen: 30.137 ng
RT: 9.857 min Scan# 1319
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

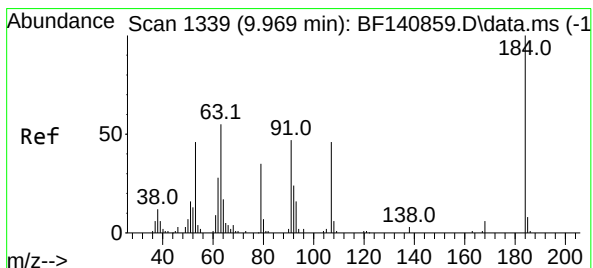
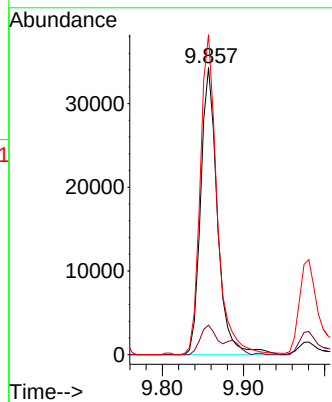
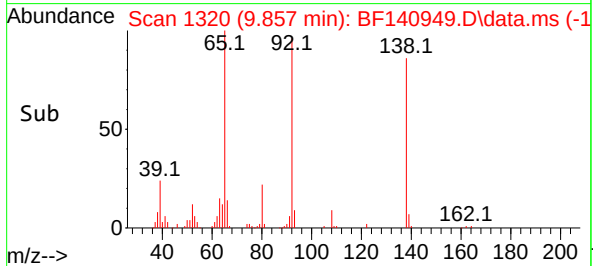
Instrument :
BNA_F
ClientSampleId :
OU4-VSL-11-121224MSD



Tgt Ion:138 Resp: 4924
Ion Ratio Lower Upper
138 100
108 10.3 9.0 13.4
92 111.5 95.5 143.3

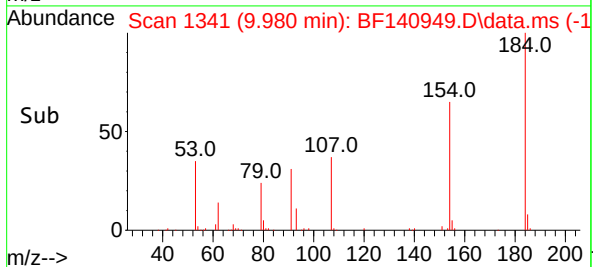
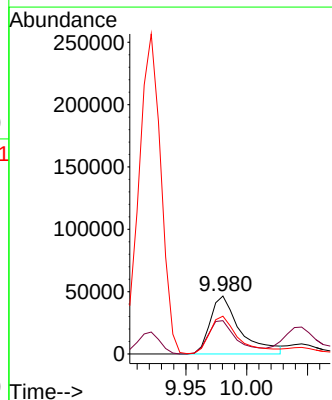
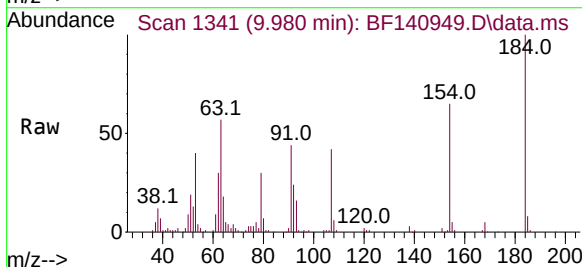
Manual Integrations
APPROVED

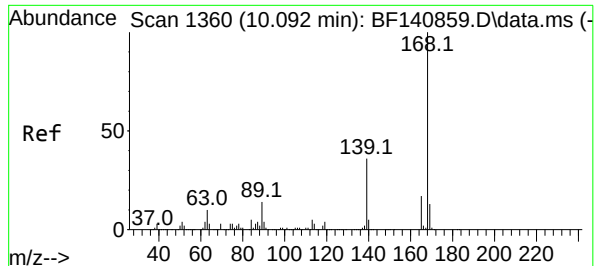
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#54
2,4-Dinitrophenol
Concen: 97.834 ng
RT: 9.980 min Scan# 1341
Delta R.T. 0.011 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:184 Resp: 79873
Ion Ratio Lower Upper
184 100
63 57.4 51.6 77.4
154 65.2 56.1 84.1





#55

Dibenzenofuran

Concen: 54.567 ng

RT: 10.092 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF140949.D

Acq: 20 Dec 2024 14:36

Instrument :

BNA_F

ClientSampleId :

OU4-VSL-11-121224MSD

Tgt Ion:168 Resp: 493268

Ion Ratio Lower Upper

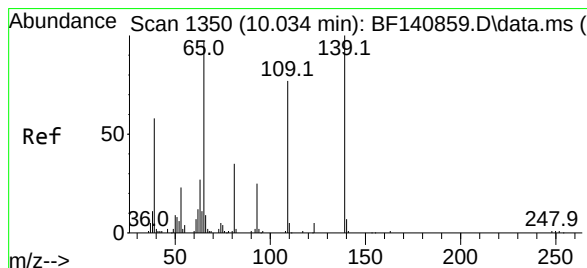
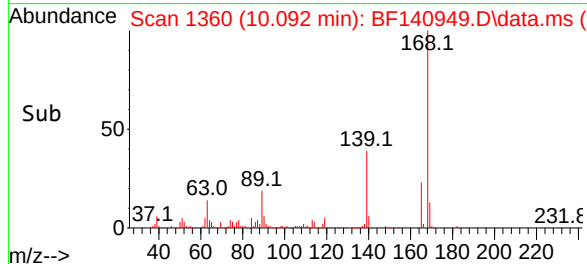
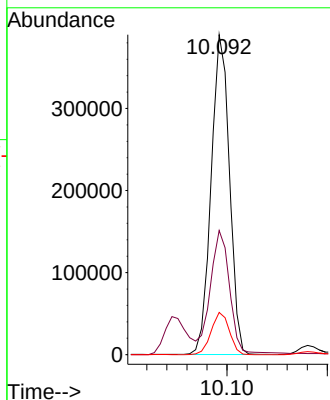
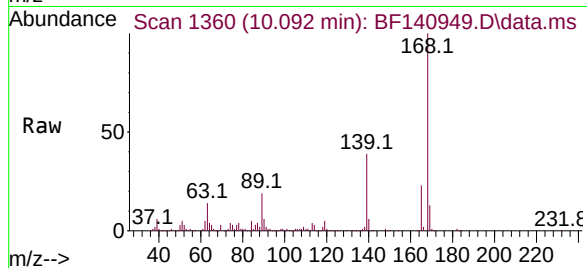
168 100

139 38.8 31.1 46.7

169 13.2 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

#56

4-Nitrophenol

Concen: 82.863 ng

RT: 10.045 min Scan# 1352

Delta R.T. 0.011 min

Lab File: BF140949.D

Acq: 20 Dec 2024 14:36

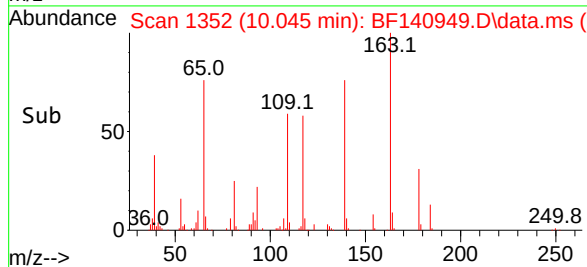
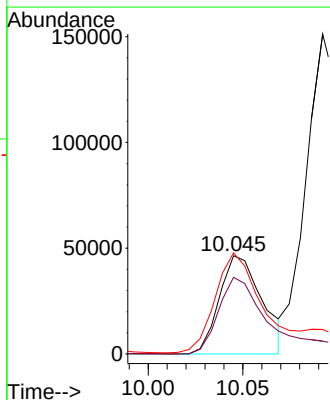
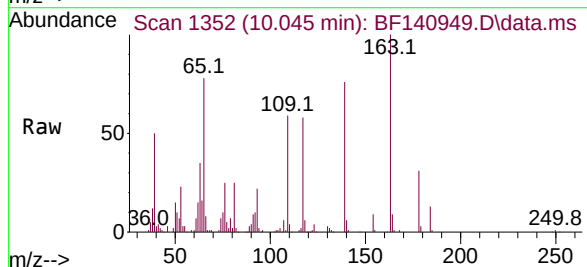
Tgt Ion:139 Resp: 72978

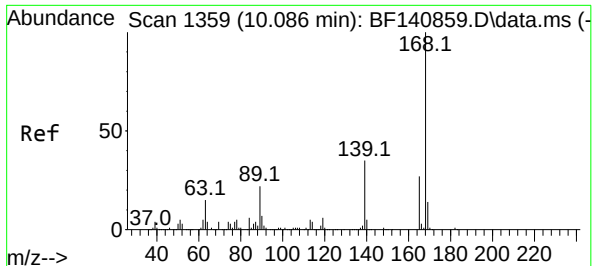
Ion Ratio Lower Upper

139 100

109 77.9 56.7 96.7

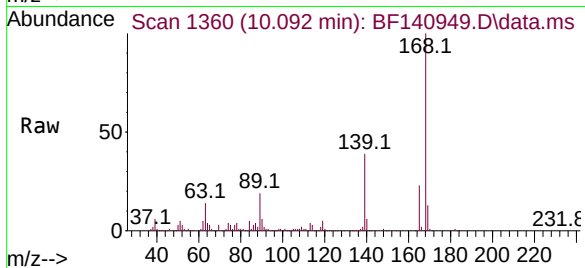
65 102.9 78.1 118.1





#57
2,4-Dinitrotoluene
Concen: 52.453 ng
RT: 10.092 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

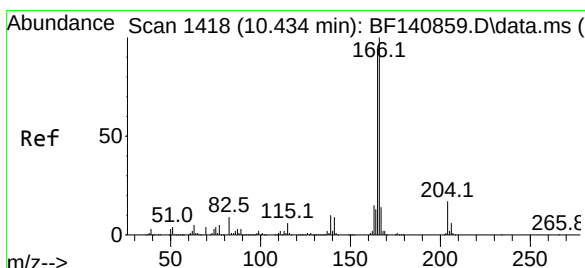
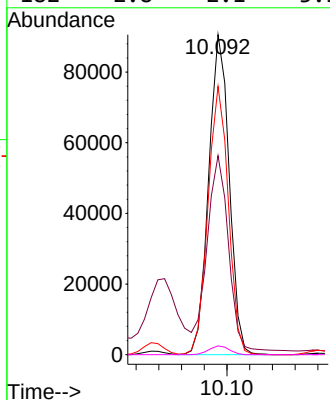
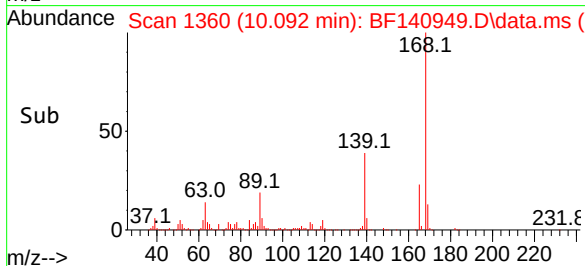
Instrument :
BNA_F
ClientSampleId :
OU4-VSL-11-121224MSD



Tgt Ion:165 Resp: 11363
Ion Ratio Lower Upper
165 100
63 62.2 49.3 73.9
89 83.8 66.2 99.4
182 2.8 2.1 3.1

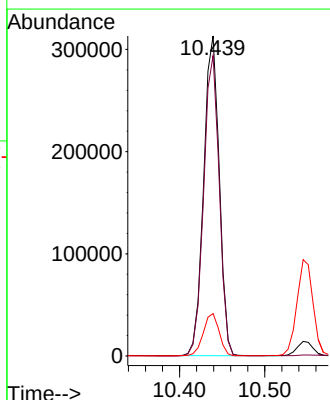
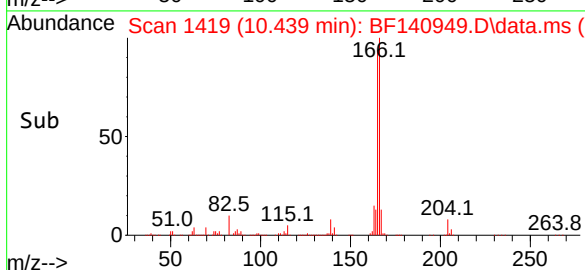
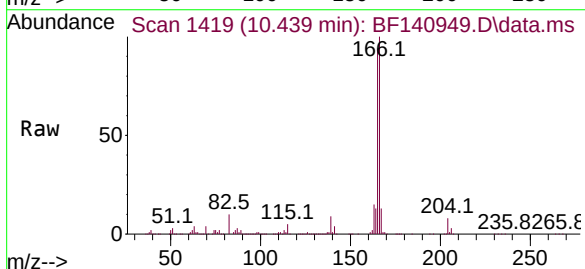
Manual Integrations
APPROVED

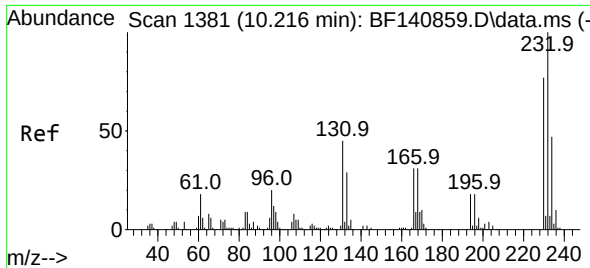
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#58
Fluorene
Concen: 53.279 ng
RT: 10.439 min Scan# 1419
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

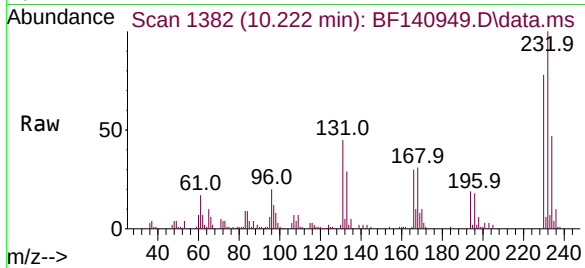
Tgt Ion:166 Resp: 397342
Ion Ratio Lower Upper
166 100
165 93.8 75.1 112.7
167 13.3 11.1 16.7





#59
2,3,4,6-Tetrachlorophenol
Concen: 56.336 ng
RT: 10.222 min Scan# 1382
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

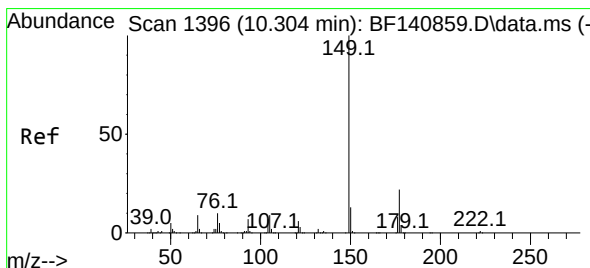
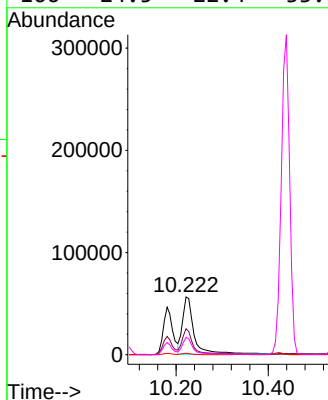
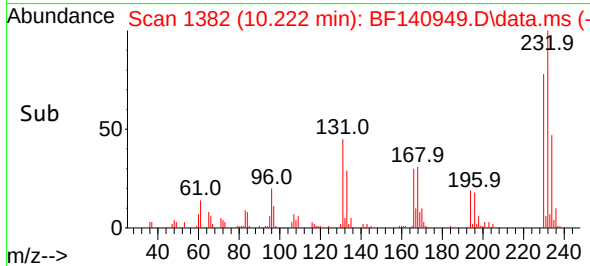
Instrument :
BNA_F
ClientSampleId :
OU4-VSL-11-121224MSD



Tgt Ion:232 Resp: 97009
Ion Ratio Lower Upper
232 100
131 36.7 35.1 52.7
130 2.0 1.8 2.8
166 24.5 22.4 33.6

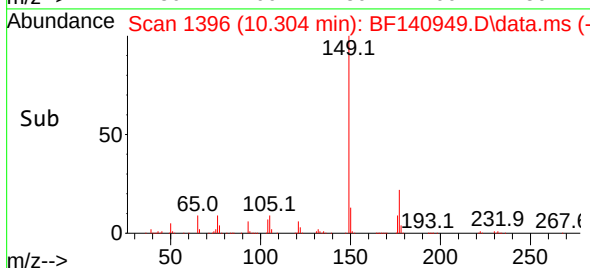
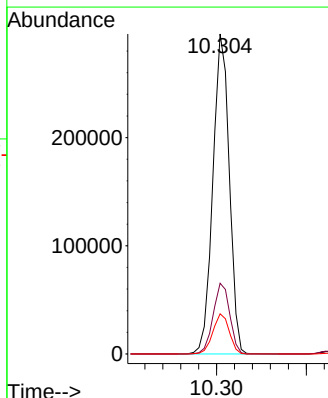
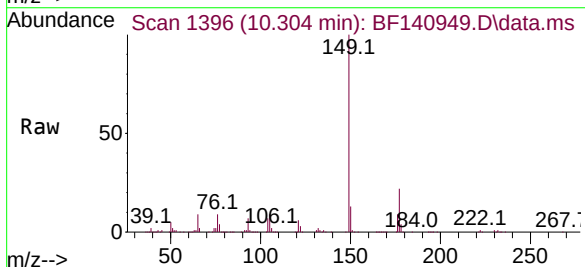
Manual Integrations
APPROVED

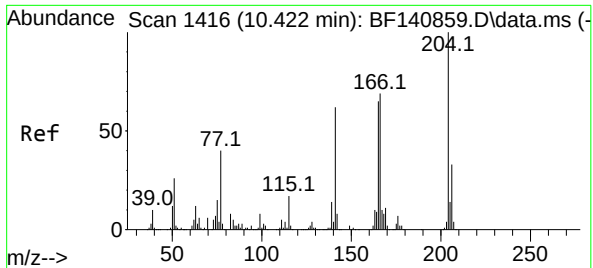
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#60
Diethylphthalate
Concen: 50.345 ng
RT: 10.304 min Scan# 1396
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

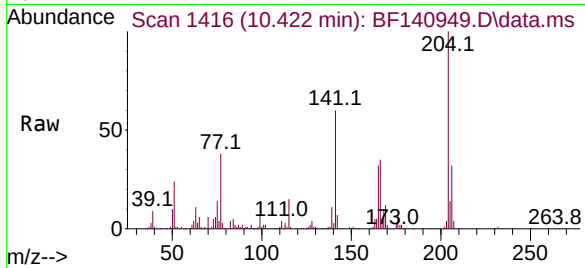
Tgt Ion:149 Resp: 376001
Ion Ratio Lower Upper
149 100
177 22.1 17.2 25.8
150 12.6 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 51.761 ng
RT: 10.422 min Scan# 1416
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

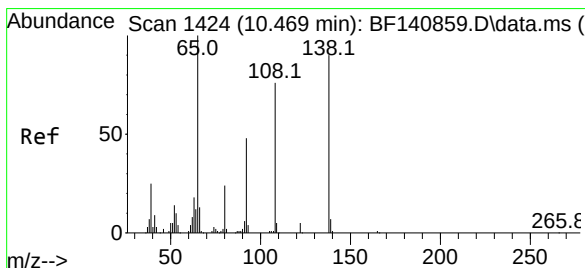
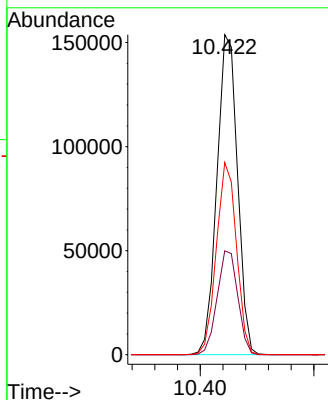
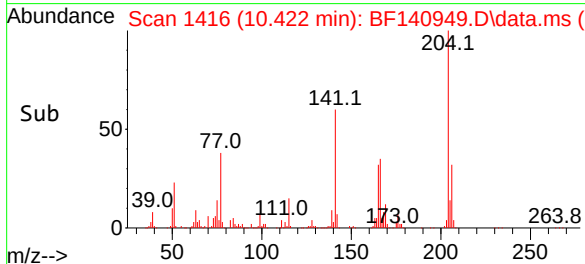
Instrument :
BNA_F
ClientSampleId :
OU4-VSL-11-121224MSD



Tgt Ion:204 Resp: 19390
Ion Ratio Lower Upper
204 100
206 32.5 26.5 39.7
141 60.0 50.0 75.0

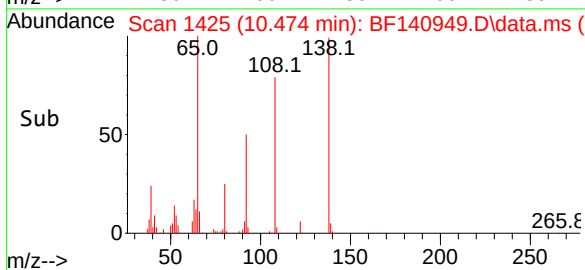
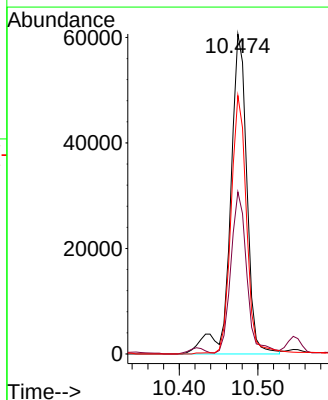
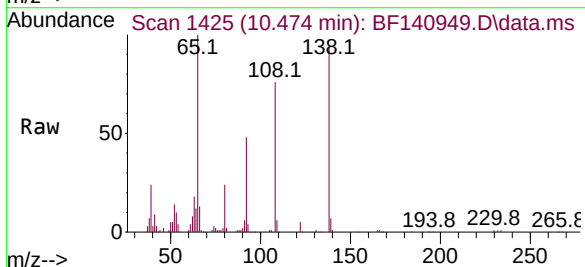
Manual Integrations
APPROVED

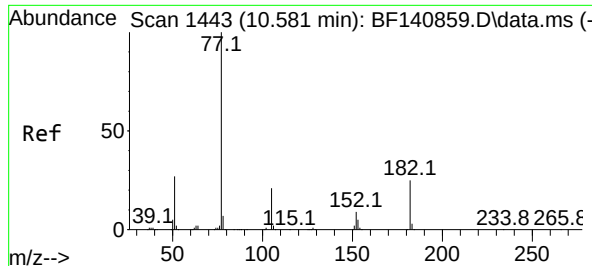
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#62
4-Nitroaniline
Concen: 51.770 ng m
RT: 10.474 min Scan# 1425
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

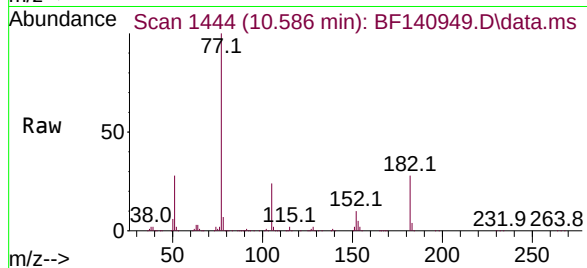
Tgt Ion:138 Resp: 88397
Ion Ratio Lower Upper
138 100
92 50.7 32.6 72.6
108 80.7 64.1 104.1





#63
Azobenzene
Concen: 57.590 ng
RT: 10.586 min Scan# 1443
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

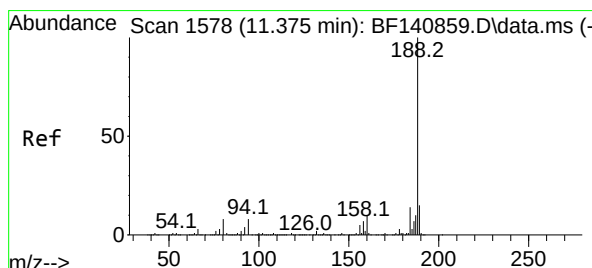
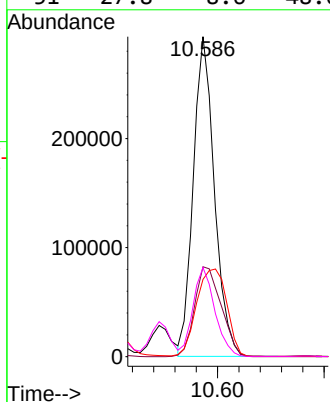
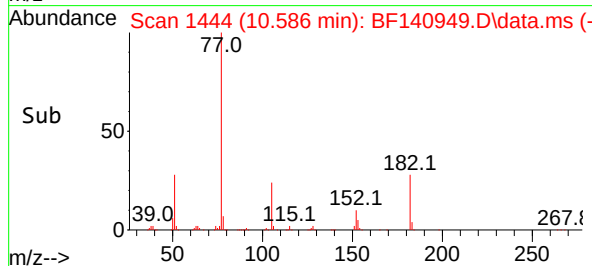
Instrument :
BNA_F
ClientSampleId :
OU4-VSL-11-121224MSD



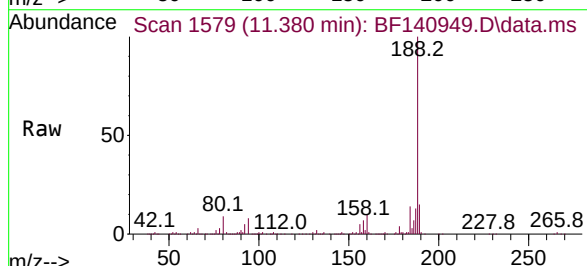
Tgt Ion: 77 Resp: 404359
Ion Ratio Lower Upper
77 100
182 28.1 4.5 44.5
105 24.2 0.9 40.9
51 27.8 8.6 48.6

Manual Integrations
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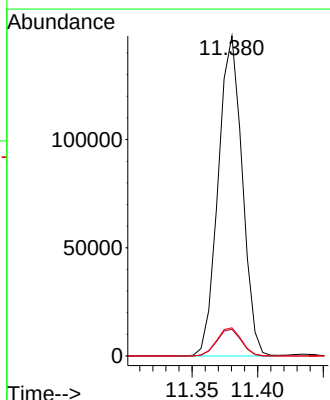
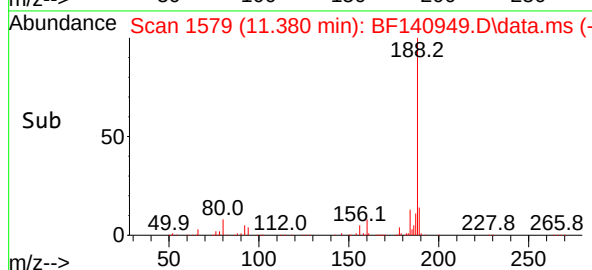
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

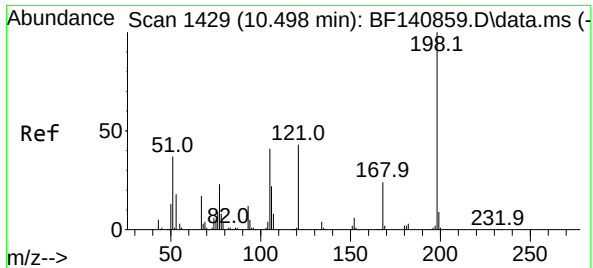


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.380 min Scan# 1579
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36



Tgt Ion:188 Resp: 188148
Ion Ratio Lower Upper
188 100
94 8.4 6.4 9.6
80 8.8 6.8 10.2





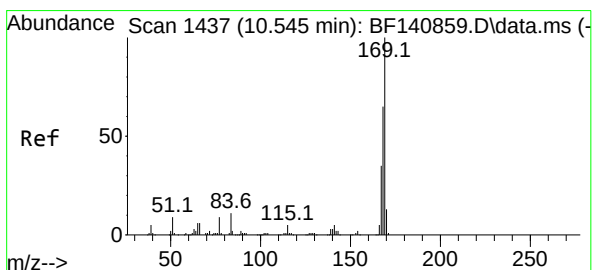
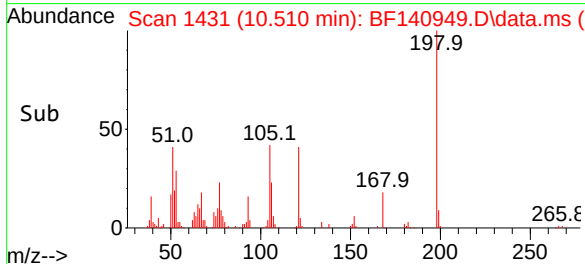
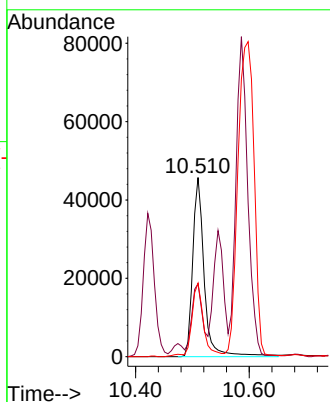
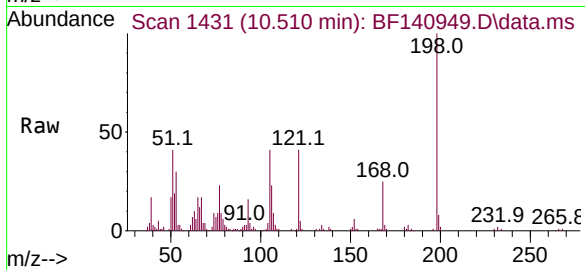
#65
4,6-Dinitro-2-methylphenol
Concen: 60.672 ng
RT: 10.510 min Scan# 1429
Delta R.T. 0.012 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Instrument :
BNA_F
ClientSampleId :
OU4-VSL-11-121224MSD

Tgt Ion:198 Resp: 6468
Ion Ratio Lower Upper
198 100
51 40.7 24.4 64.4
105 41.0 22.1 62.1

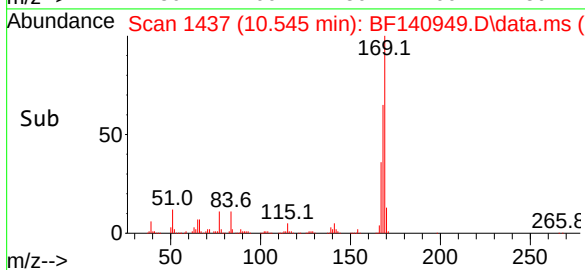
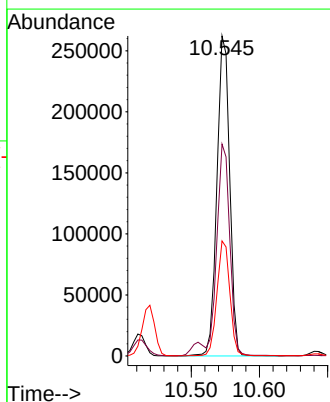
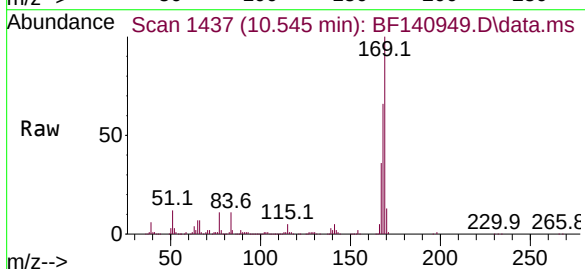
Manual Integrations
APPROVED

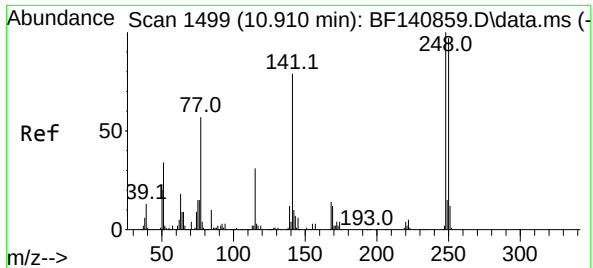
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#66
n-Nitrosodiphenylamine
Concen: 58.988 ng
RT: 10.545 min Scan# 1437
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

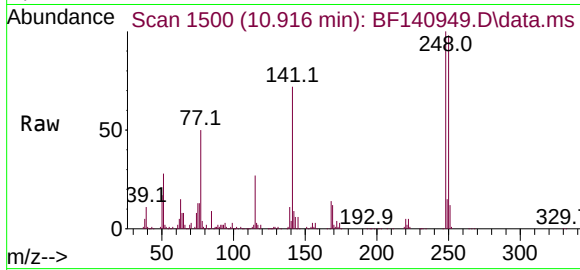
Tgt Ion:169 Resp: 341229
Ion Ratio Lower Upper
169 100
168 66.2 53.4 80.0
167 36.0 28.3 42.5





#67
4-Bromophenyl-phenylether
Concen: 55.838 ng
RT: 10.916 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

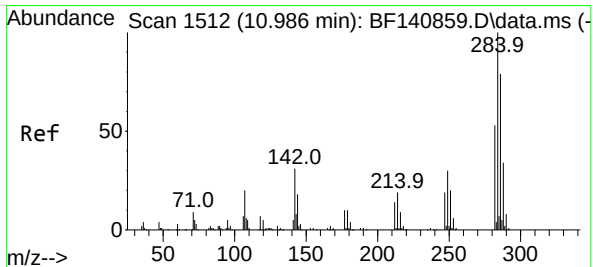
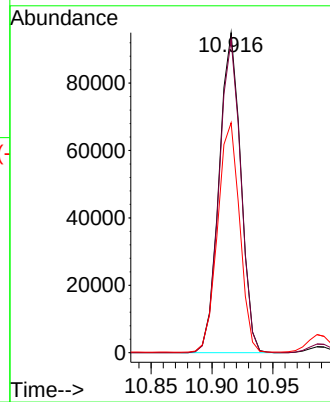
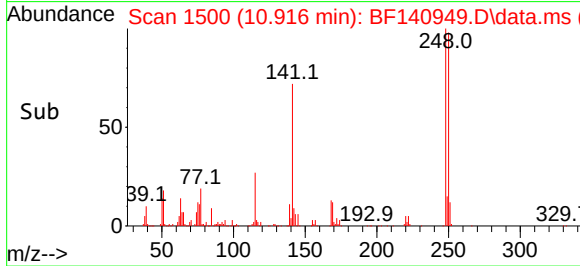
Instrument :
BNA_F
ClientSampleId :
OU4-VSL-11-121224MSD



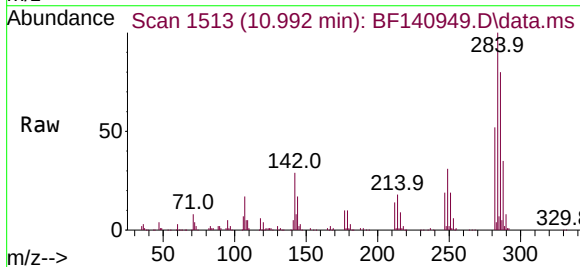
Tgt Ion:248 Resp: 11753
Ion Ratio Lower Upper
248 100
250 97.8 77.4 116.2
141 71.8 62.9 94.3

Manual Integrations
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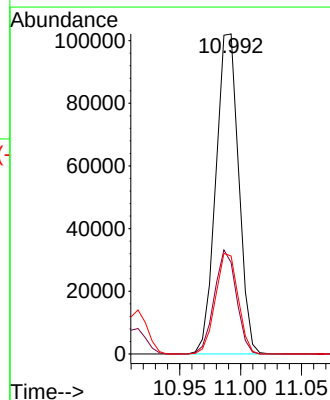
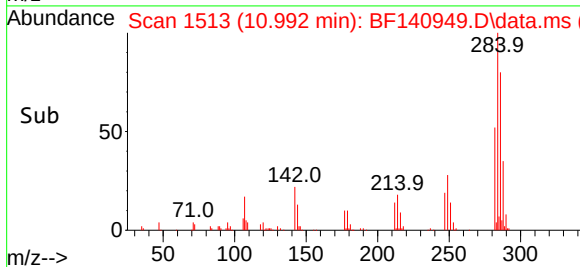
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

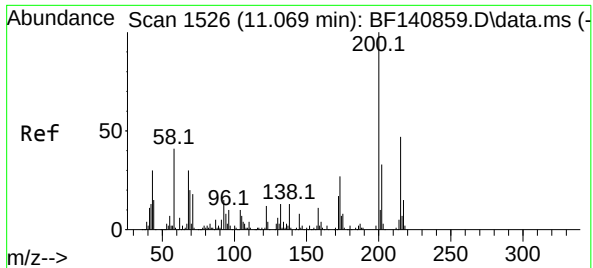


#68
Hexachlorobenzene
Concen: 55.821 ng
RT: 10.992 min Scan# 1513
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36



Tgt Ion:284 Resp: 133215
Ion Ratio Lower Upper
284 100
142 28.6 24.6 36.8
249 30.6 24.3 36.5





#69

Atrazine

Concen: 69.163 ng

RT: 11.074 min Scan# 111739

Delta R.T. 0.006 min

Lab File: BF140949.D

Acq: 20 Dec 2024 14:36

Instrument :

BNA_F

ClientSampleId :

OU4-VSL-11-121224MSD

Tgt Ion:200 Resp: 111739

Ion Ratio Lower Upper

200 100

173 26.1 6.6 46.6

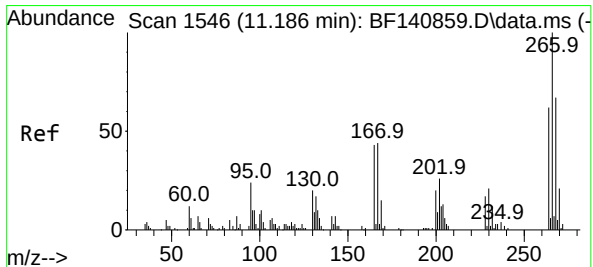
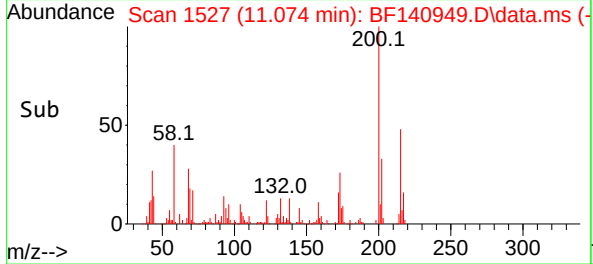
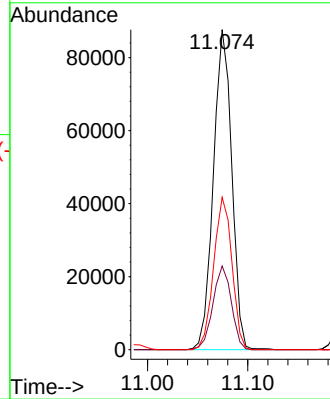
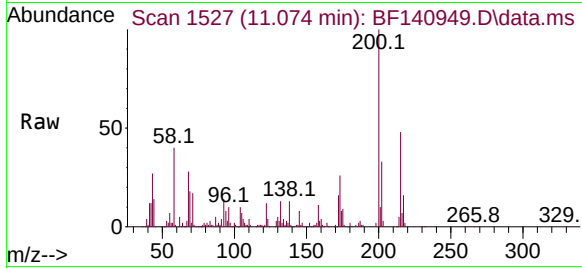
215 47.6 26.7 66.7

Manual Integrations

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Reviewed By :Jagrut Upadhyay 12/23/2024

Supervised By :mohammad ahmed 12/24/2024



#70

Pentachlorophenol

Concen: 85.412 ng

RT: 11.198 min Scan# 1548

Delta R.T. 0.012 min

Lab File: BF140949.D

Acq: 20 Dec 2024 14:36

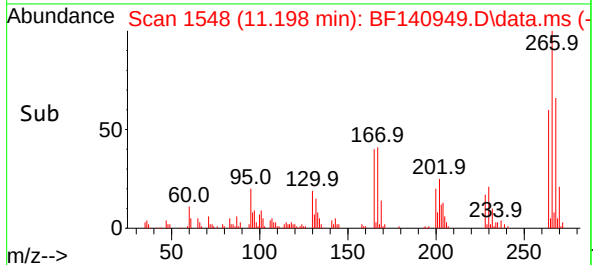
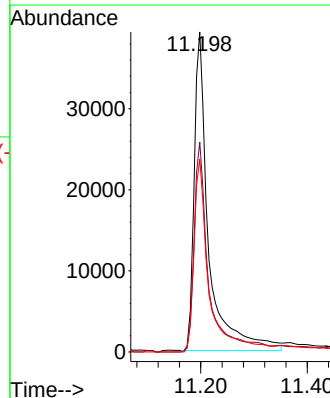
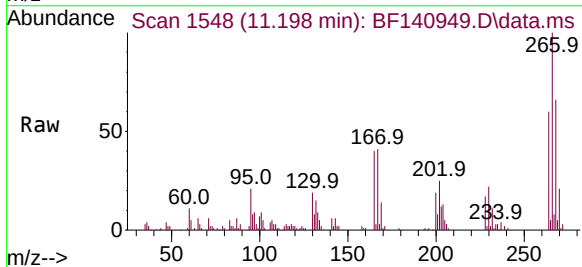
Tgt Ion:266 Resp: 74523

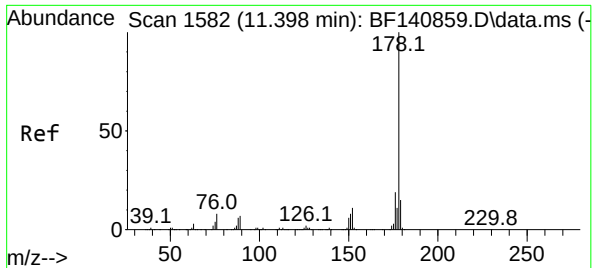
Ion Ratio Lower Upper

266 100

268 65.6 54.0 81.0

264 60.3 49.4 74.2





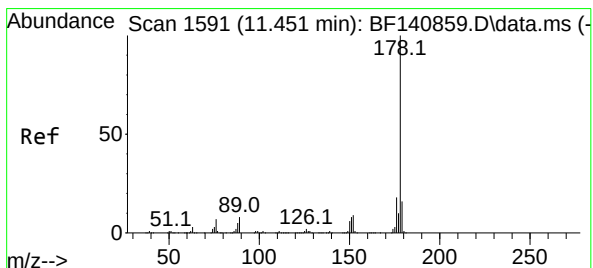
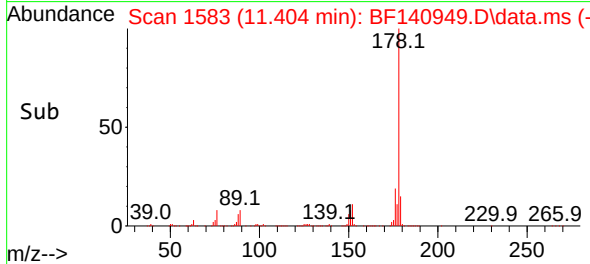
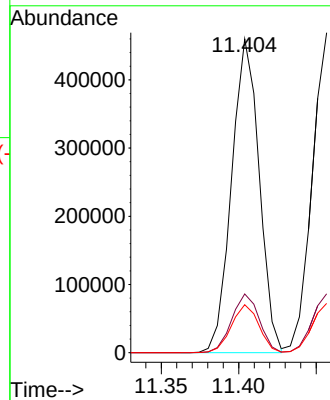
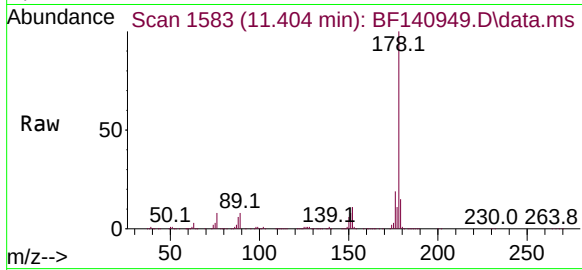
#71
Phenanthrene
Concen: 58.813 ng
RT: 11.404 min Scan# 1582
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Instrument :
BNA_F
ClientSampleId :
OU4-VSL-11-121224MSD

Tgt Ion:178 Resp: 56903
Ion Ratio Lower Upper
178 100
176 18.7 15.4 23.2
179 15.3 12.1 18.1

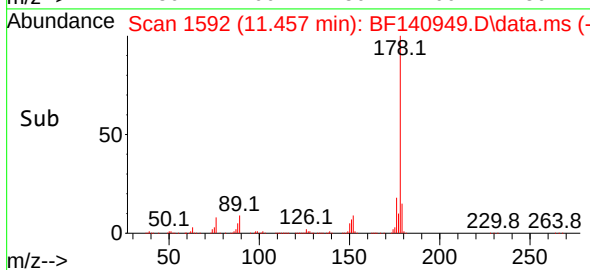
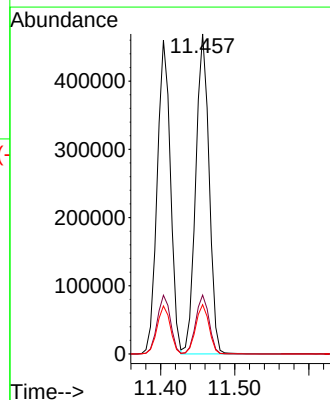
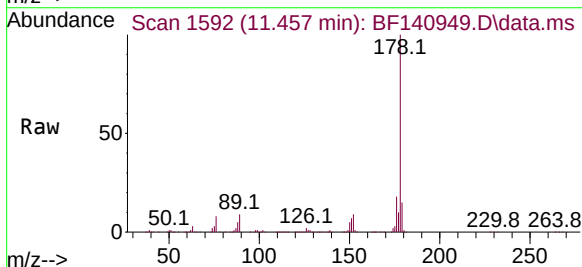
Manual Integrations
APPROVED

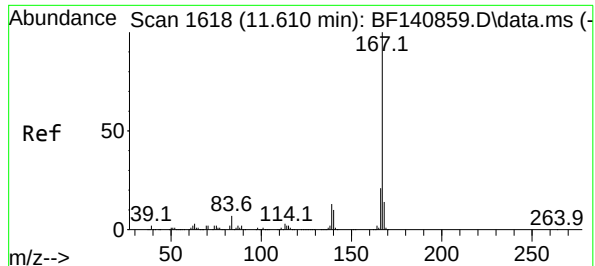
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#72
Anthracene
Concen: 61.442 ng
RT: 11.457 min Scan# 1592
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

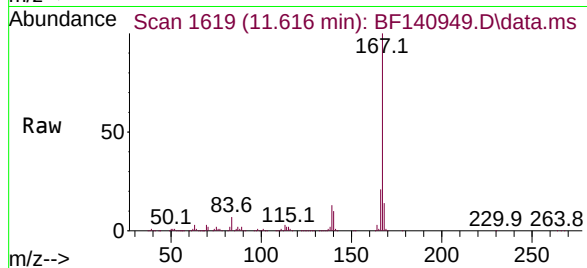
Tgt Ion:178 Resp: 585440
Ion Ratio Lower Upper
178 100
176 18.4 14.6 22.0
179 15.4 12.6 18.8





#73
 Carbazole
 Concen: 57.981 ng
 RT: 11.616 min Scan# 1618
 Delta R.T. 0.006 min
 Lab File: BF140949.D
 Acq: 20 Dec 2024 14:36

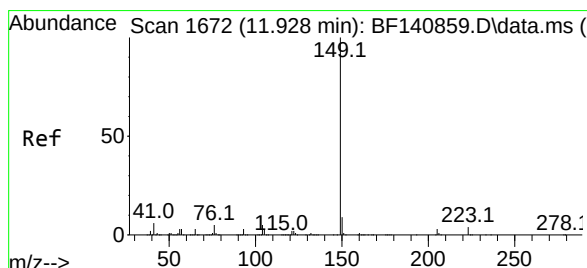
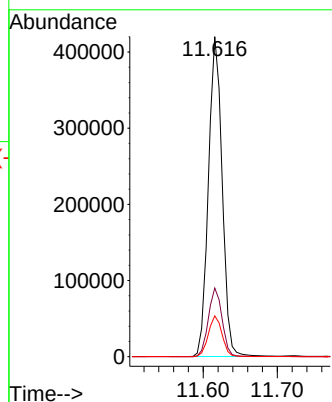
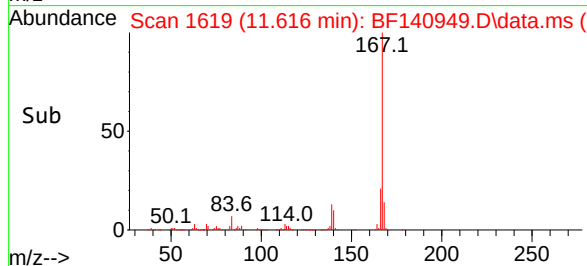
Instrument :
 BNA_F
 ClientSampleId :
 OU4-VSL-11-121224MSD



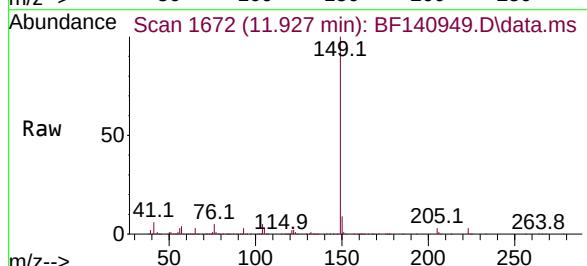
Tgt Ion:167 Resp: 54113
 Ion Ratio Lower Upper
 167 100
 166 21.4 17.0 25.6
 139 12.7 10.2 15.2

Manual Integrations
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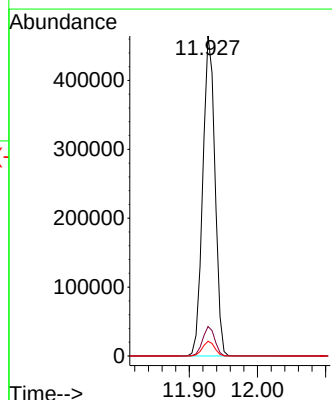
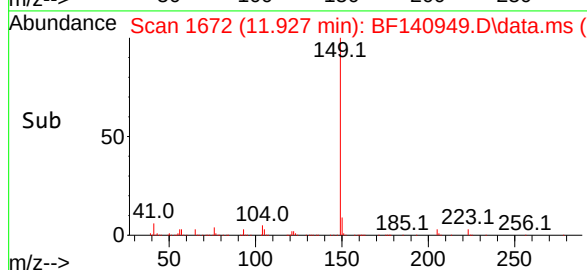
Reviewed By :Jagrut Upadhyay 12/23/2024
 Supervised By :mohammad ahmed 12/24/2024

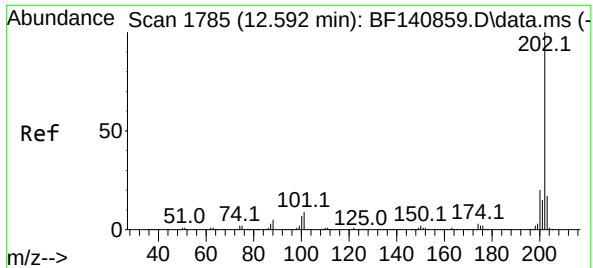


#74
 Di-n-butylphthalate
 Concen: 52.767 ng
 RT: 11.927 min Scan# 1672
 Delta R.T. -0.000 min
 Lab File: BF140949.D
 Acq: 20 Dec 2024 14:36



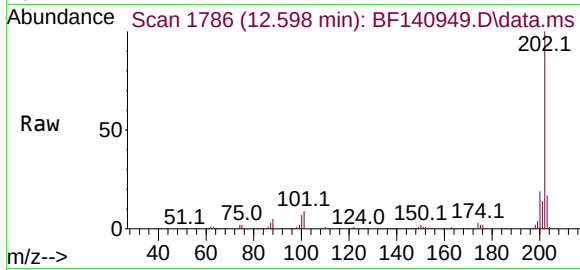
Tgt Ion:149 Resp: 577959
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.5 11.3
 104 4.6 3.8 5.8





#75
Fluoranthene
Concen: 56.429 ng
RT: 12.598 min Scan# 1786
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

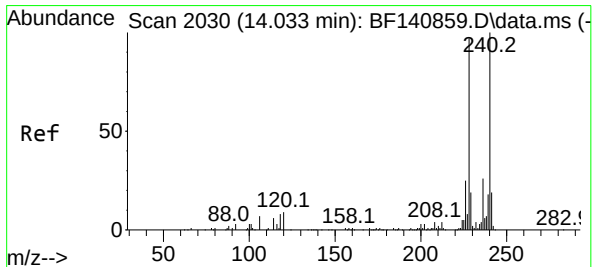
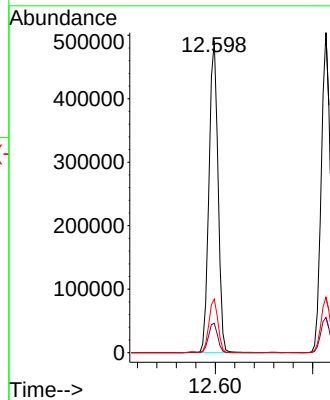
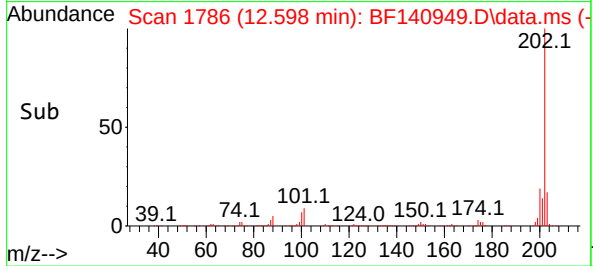
Instrument :
BNA_F
ClientSampleId :
OU4-VSL-11-121224MSD



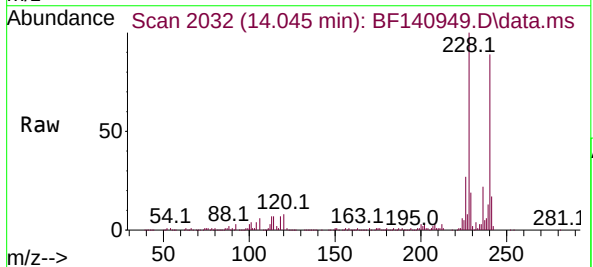
Tgt Ion:202 Resp: 628778
Ion Ratio Lower Upper
202 100
101 9.4 0.0 29.3
203 17.2 0.0 37.4

Manual Integrations
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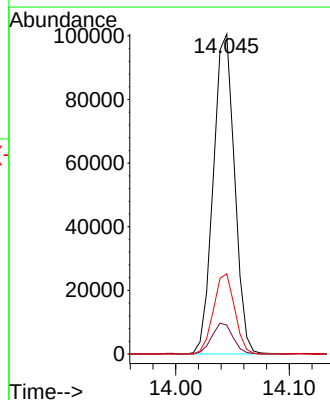
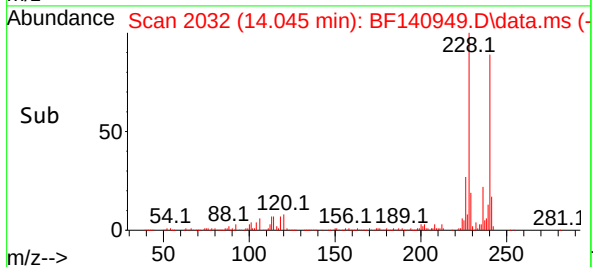
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

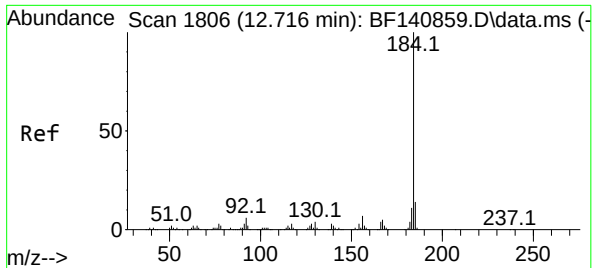


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. 0.012 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36



Tgt Ion:240 Resp: 131096
Ion Ratio Lower Upper
240 100
120 9.0 7.6 11.4
236 25.0 20.5 30.7





#77

Benzidine

Concen: 49.567 ng

RT: 12.721 min Scan# 1807

Delta R.T. 0.005 min

Lab File: BF140949.D

Acq: 20 Dec 2024 14:36

Instrument :

BNA_F

ClientSampleId :

OU4-VSL-11-121224MSD

Tgt Ion:184 Resp: 13262

Ion Ratio Lower Upper

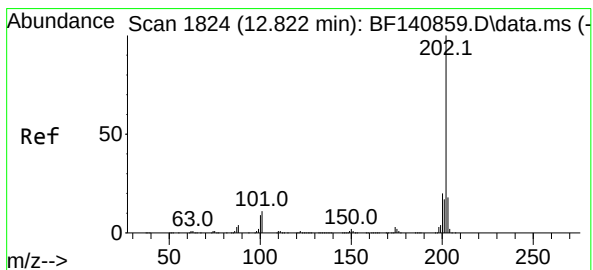
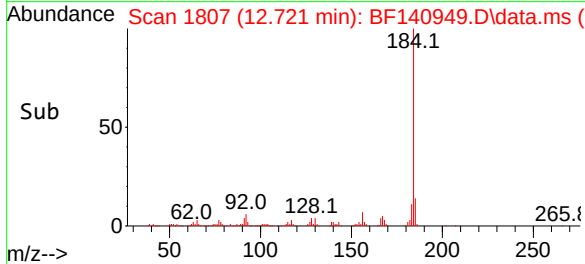
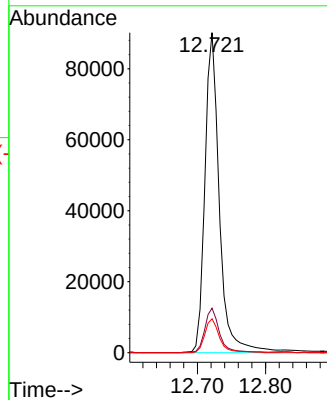
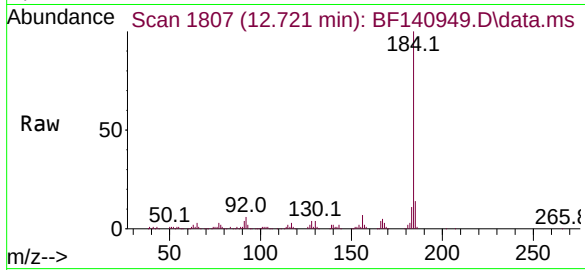
184 100

185 13.9 11.1 16.7

183 10.6 9.0 13.4

Manual Integrations

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Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

#78

Pyrene

Concen: 55.145 ng

RT: 12.827 min Scan# 1825

Delta R.T. 0.006 min

Lab File: BF140949.D

Acq: 20 Dec 2024 14:36

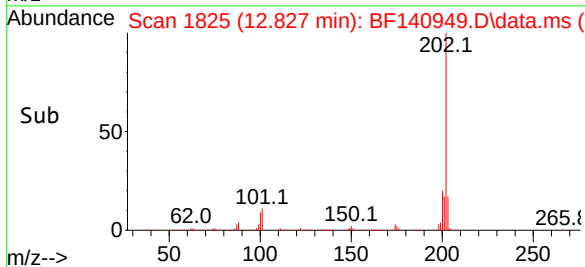
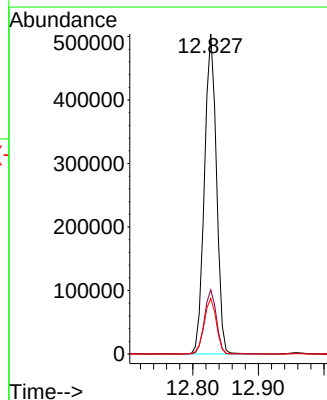
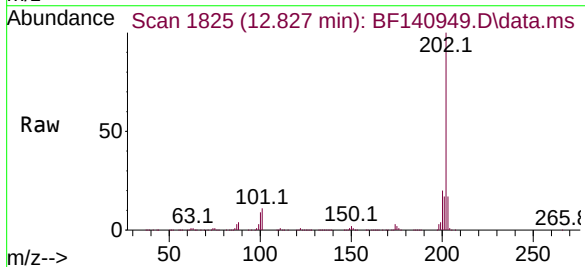
Tgt Ion:202 Resp: 642867

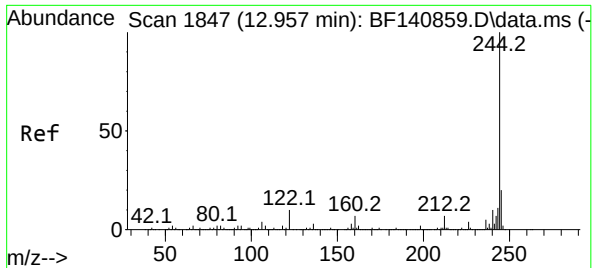
Ion Ratio Lower Upper

202 100

200 20.1 16.1 24.1

203 17.4 14.2 21.4





#79

Terphenyl-d14

Concen: 92.274 ng

RT: 12.963 min Scan# 1847

Delta R.T. 0.006 min

Lab File: BF140949.D

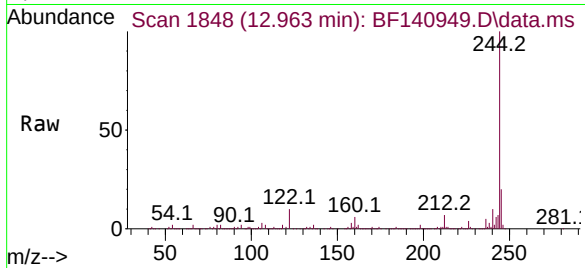
Acq: 20 Dec 2024 14:36

Instrument :

BNA_F

ClientSampleId :

OU4-VSL-11-121224MSD



Tgt Ion:244 Resp: 767138

Ion Ratio Lower Upper

244 100

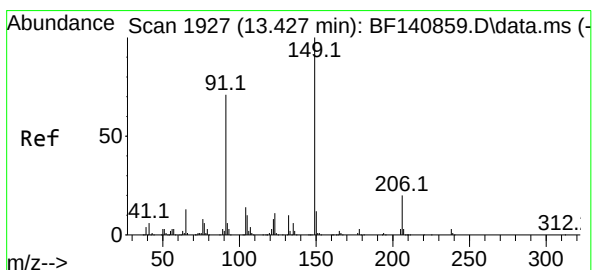
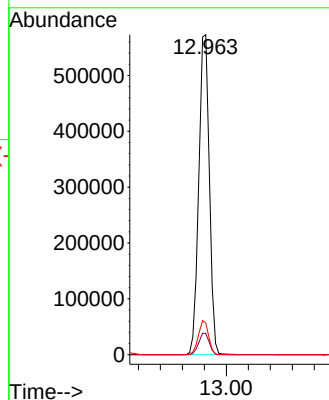
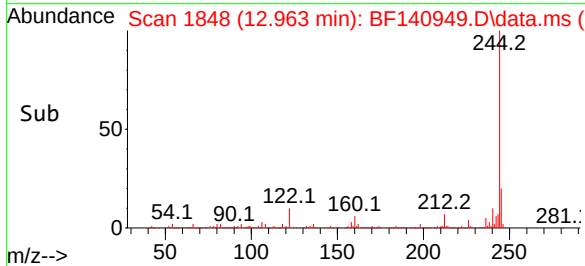
212 6.7 5.6 8.4

122 9.8 8.2 12.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#80

Butylbenzylphthalate

Concen: 53.914 ng

RT: 13.433 min Scan# 1928

Delta R.T. 0.006 min

Lab File: BF140949.D

Acq: 20 Dec 2024 14:36

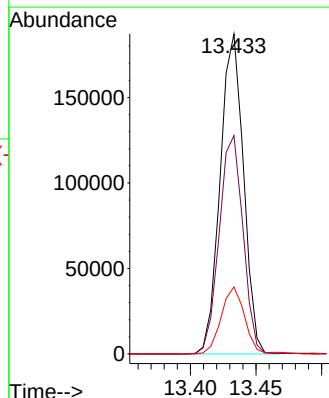
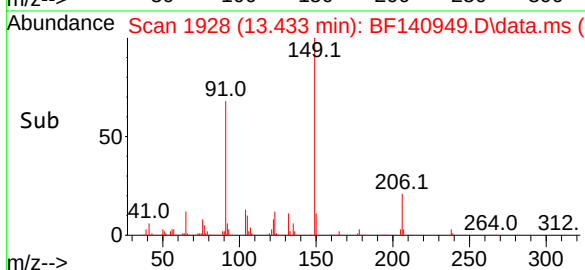
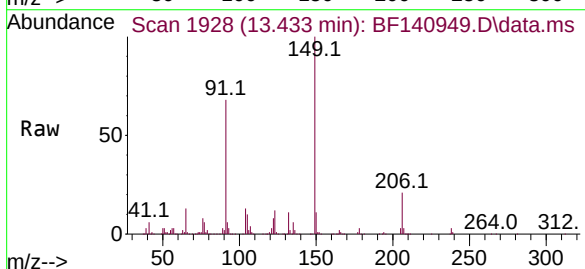
Tgt Ion:149 Resp: 231266

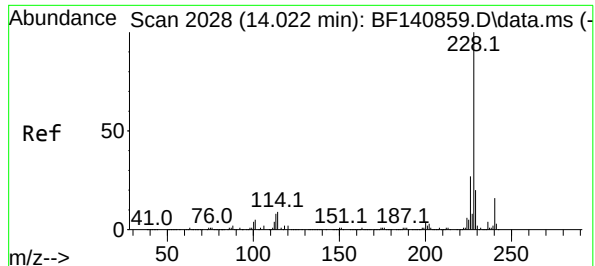
Ion Ratio Lower Upper

149 100

91 68.2 56.7 85.1

206 21.0 16.4 24.6





#81

Benzo(a)anthracene

Concen: 54.752 ng

RT: 14.033 min Scan# 2028

Delta R.T. 0.012 min

Lab File: BF140949.D

Acq: 20 Dec 2024 14:36

Instrument :

BNA_F

ClientSampleId :

OU4-VSL-11-121224MSD

Tgt Ion:228 Resp: 508709

Ion Ratio Lower Upper

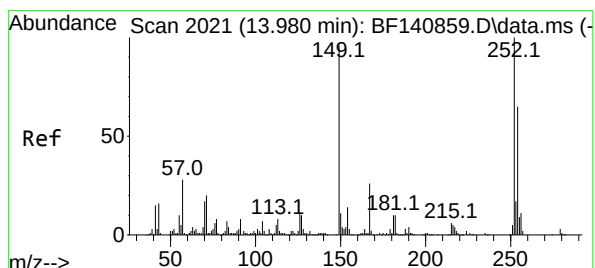
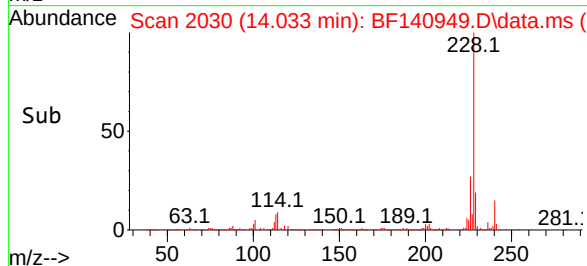
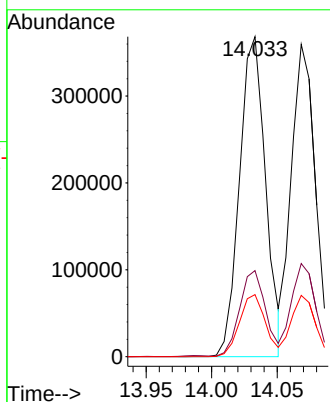
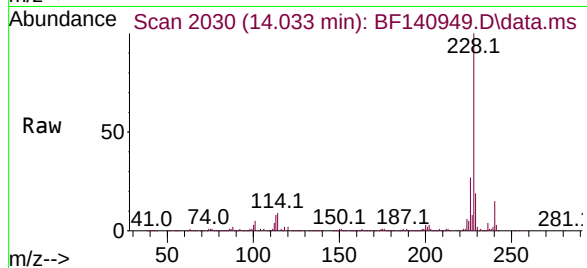
228 100

226 26.9 21.8 32.8

229 19.4 15.8 23.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

#82

3,3'-Dichlorobenzidine

Concen: 30.219 ng

RT: 13.986 min Scan# 2022

Delta R.T. 0.006 min

Lab File: BF140949.D

Acq: 20 Dec 2024 14:36

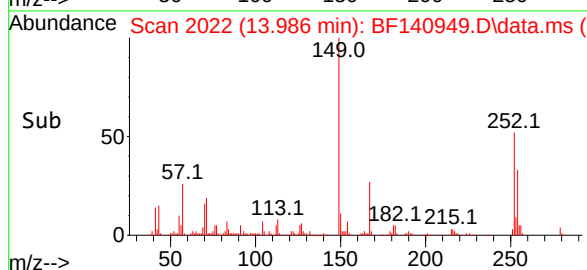
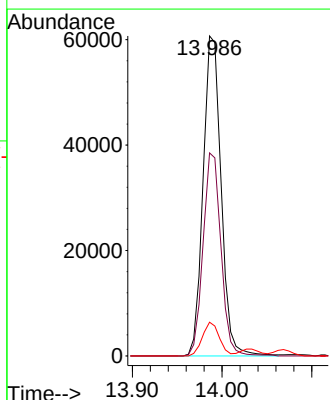
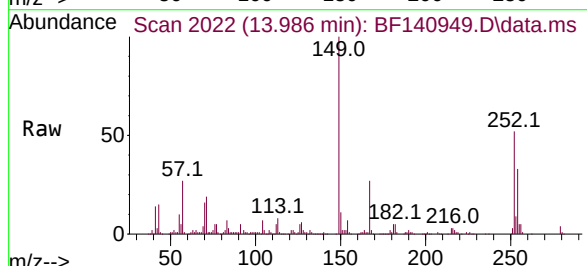
Tgt Ion:252 Resp: 84711

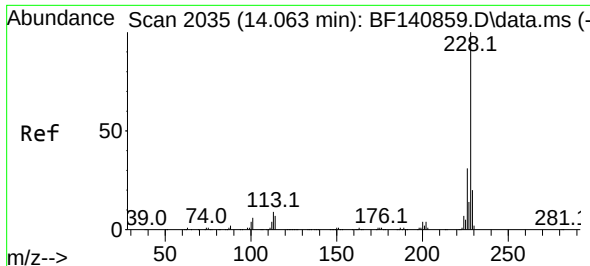
Ion Ratio Lower Upper

252 100

254 63.5 52.3 78.5

126 10.5 8.4 12.6





#83

Chrysene

Concen: 54.249 ng

RT: 14.068 min Scan# 2035

Delta R.T. 0.006 min

Lab File: BF140949.D

Acq: 20 Dec 2024 14:36

Instrument :

BNA_F

ClientSampleId :

OU4-VSL-11-121224MSD

Tgt Ion:228 Resp: 45834

Ion Ratio Lower Upper

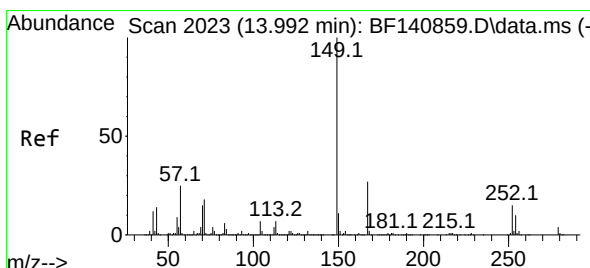
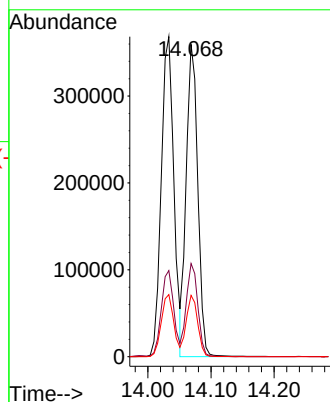
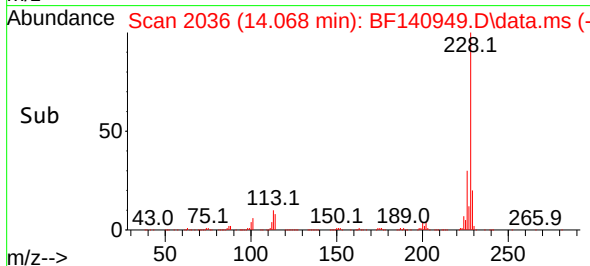
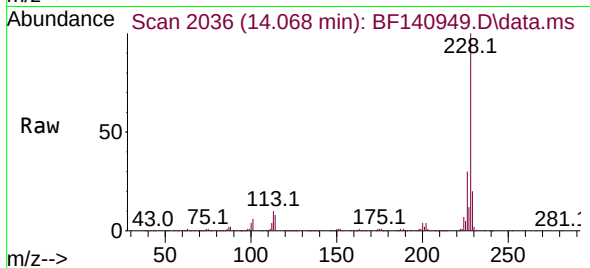
228 100

226 29.8 24.1 36.1

229 19.6 16.0 24.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

#84

Bis(2-ethylhexyl)phthalate

Concen: 50.188 ng

RT: 13.998 min Scan# 2024

Delta R.T. 0.006 min

Lab File: BF140949.D

Acq: 20 Dec 2024 14:36

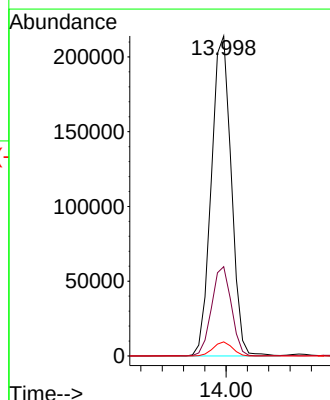
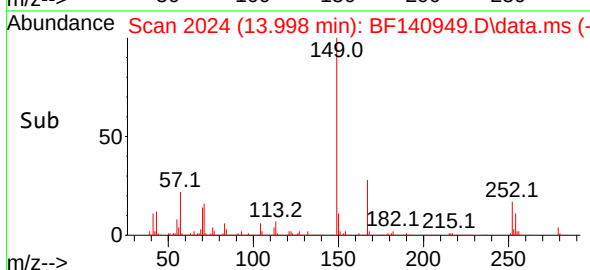
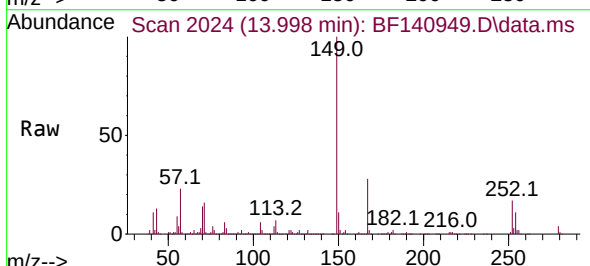
Tgt Ion:149 Resp: 277592

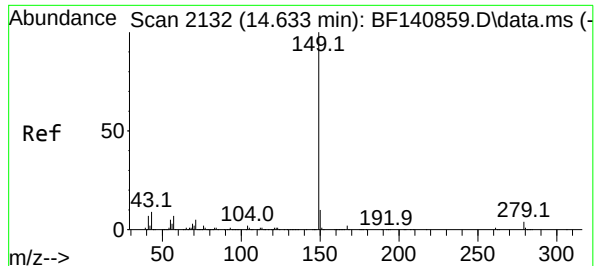
Ion Ratio Lower Upper

149 100

167 27.9 21.8 32.8

279 4.4 3.5 5.3





#85

Di-n-octyl phthalate

Concen: 45.836 ng

RT: 14.639 min Scan# 2132

Delta R.T. 0.006 min

Lab File: BF140949.D

Acq: 20 Dec 2024 14:36

Instrument :

BNA_F

ClientSampleId :

OU4-VSL-11-121224MSD

Tgt Ion:149 Resp: 38354

Ion Ratio Lower Upper

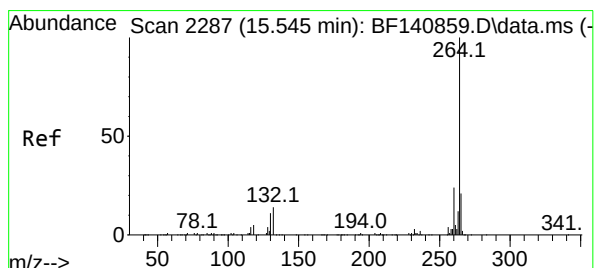
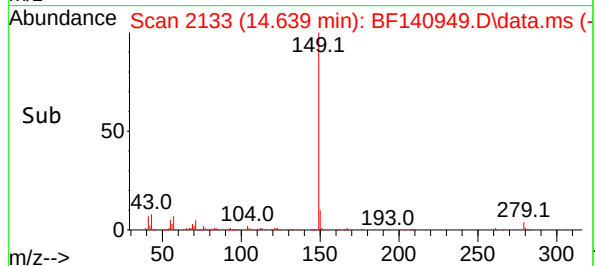
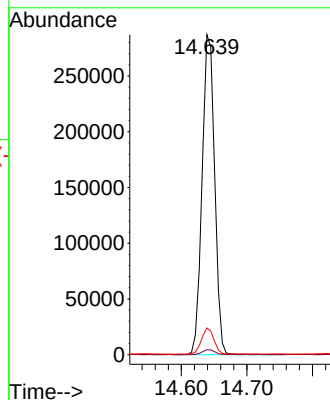
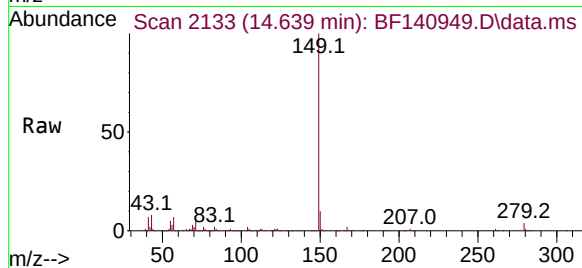
149 100

167 1.6 1.3 1.9

43 8.0 7.0 10.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

#86

Perylene-d12

Concen: 20.000 ng

RT: 15.562 min Scan# 2290

Delta R.T. 0.017 min

Lab File: BF140949.D

Acq: 20 Dec 2024 14:36

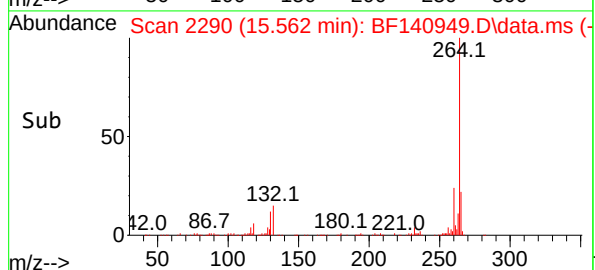
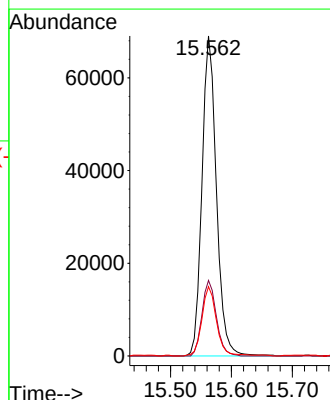
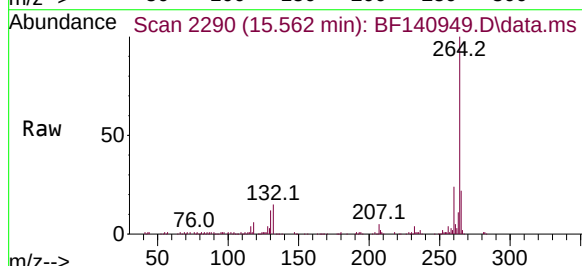
Tgt Ion:264 Resp: 113765

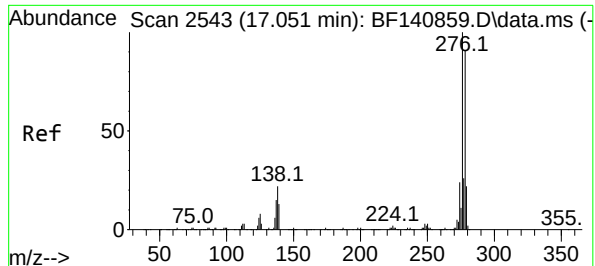
Ion Ratio Lower Upper

264 100

260 23.6 19.1 28.7

265 21.6 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 68.540 ng

RT: 17.086 min Scan# 2116

Delta R.T. 0.035 min

Lab File: BF140949.D

Acq: 20 Dec 2024 14:36

Instrument :

BNA_F

ClientSampleId :

OU4-VSL-11-121224MSD

Tgt Ion:276 Resp: 486592

Ion Ratio Lower Upper

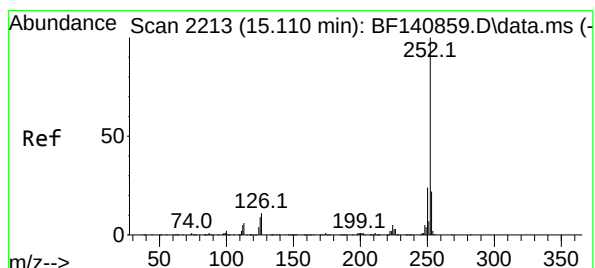
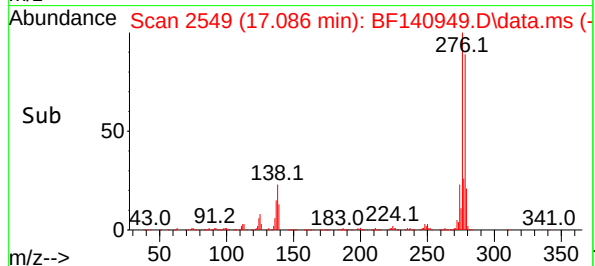
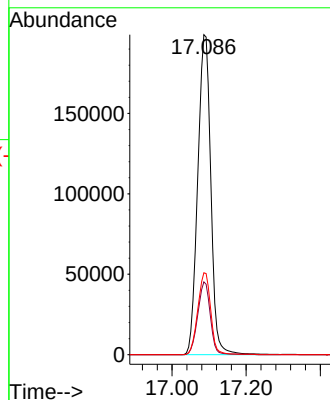
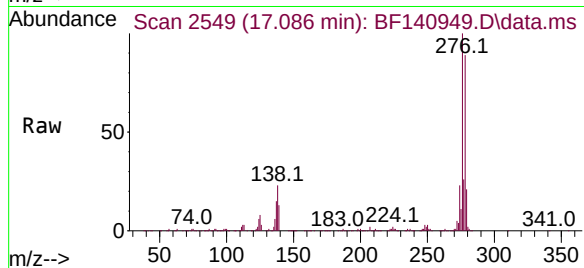
276 100

138 21.8 16.9 25.3

277 25.4 20.2 30.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

#88

Benzo(b)fluoranthene

Concen: 53.241 ng

RT: 15.127 min Scan# 2216

Delta R.T. 0.017 min

Lab File: BF140949.D

Acq: 20 Dec 2024 14:36

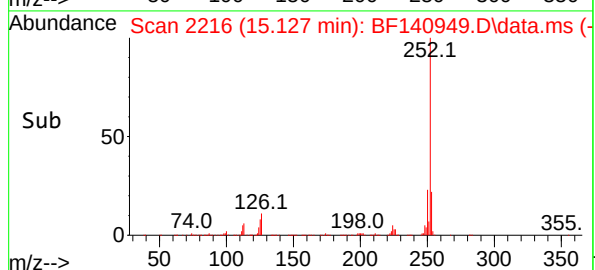
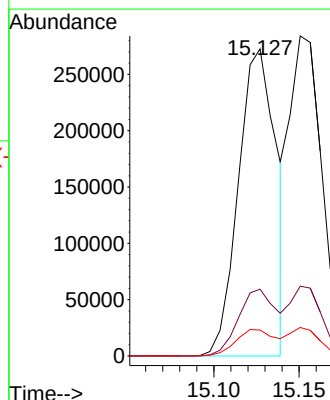
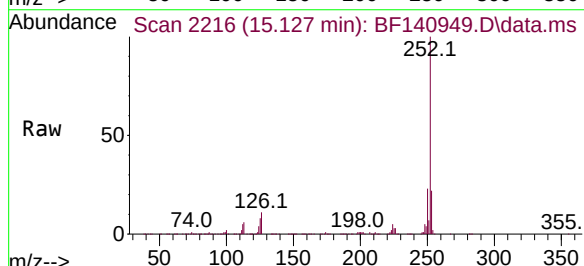
Tgt Ion:252 Resp: 420442

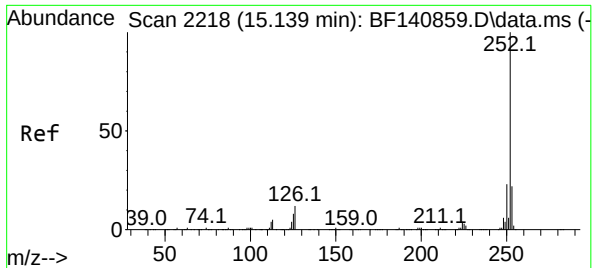
Ion Ratio Lower Upper

252 100

253 21.7 17.8 26.6

125 8.4 7.0 10.4





#89

Benzo(k)fluoranthene

Concen: 55.882 ng

RT: 15.151 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF140949.D

Acq: 20 Dec 2024 14:36

Instrument :

BNA_F

ClientSampleId :

OU4-VSL-11-121224MSD

Tgt Ion:252 Resp: 37854

Ion Ratio Lower Upper

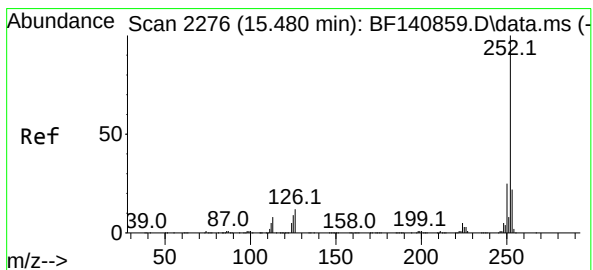
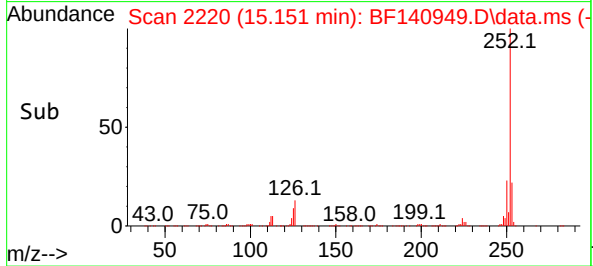
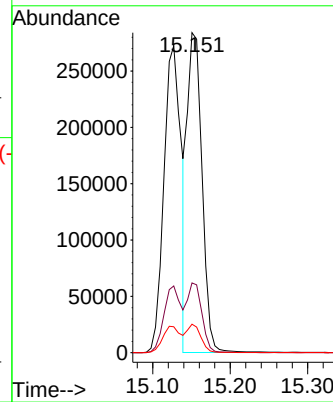
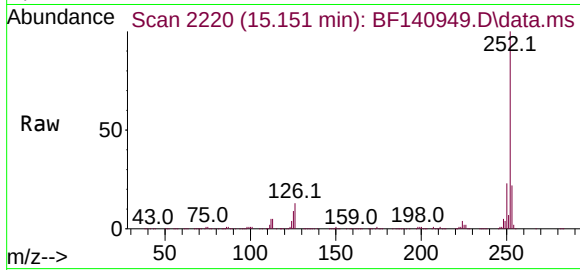
252 100

253 21.8 17.5 26.3

125 8.9 6.8 10.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

#90

Benzo(a)pyrene

Concen: 60.174 ng

RT: 15.504 min Scan# 2280

Delta R.T. 0.023 min

Lab File: BF140949.D

Acq: 20 Dec 2024 14:36

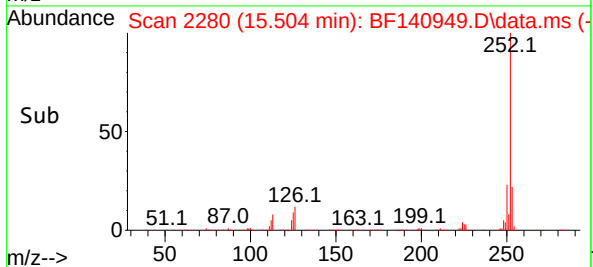
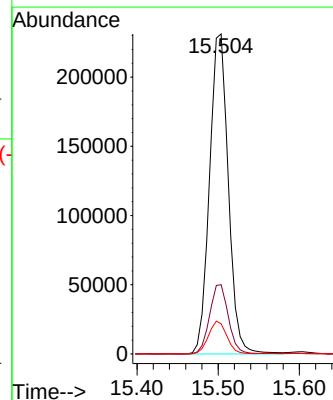
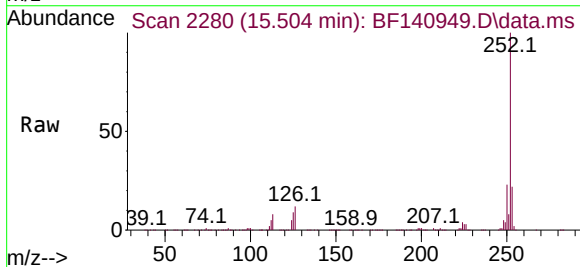
Tgt Ion:252 Resp: 372093

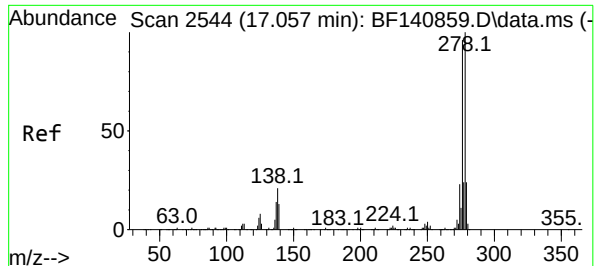
Ion Ratio Lower Upper

252 100

253 21.7 17.5 26.3

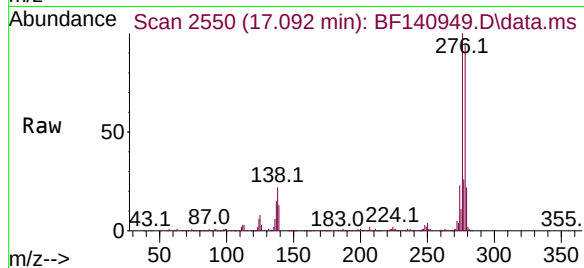
125 9.5 7.5 11.3





#91
Dibenzo(a,h)anthracene
Concen: 67.298 ng
RT: 17.092 min Scan# 21
Delta R.T. 0.035 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

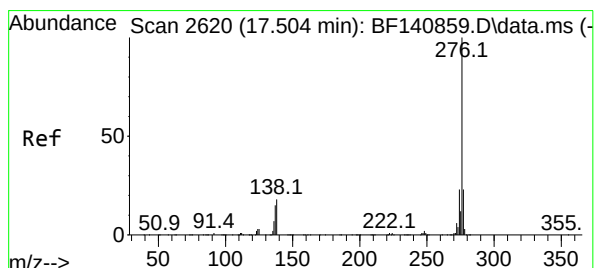
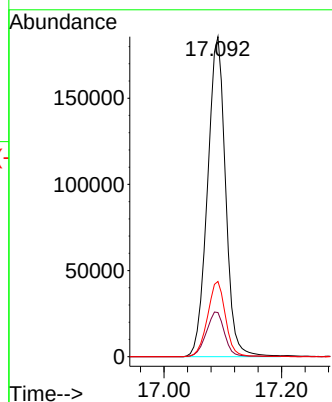
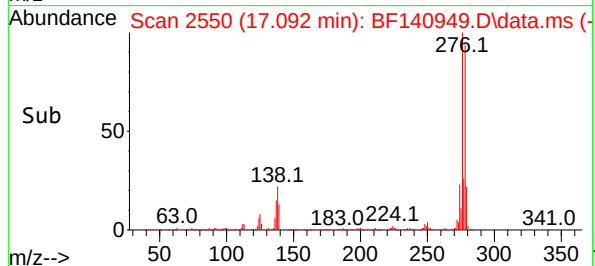
Instrument :
BNA_F
ClientSampleId :
OU4-VSL-11-121224MSD



Tgt Ion:278 Resp: 395812
Ion Ratio Lower Upper
278 100
139 13.8 10.6 16.0
279 23.5 19.2 28.8

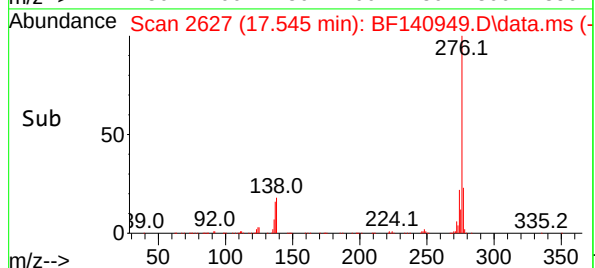
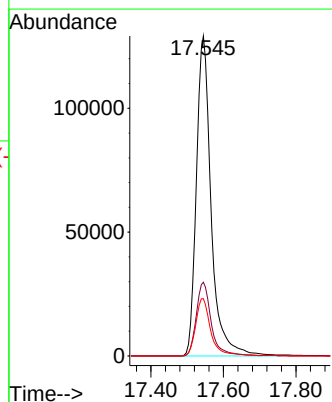
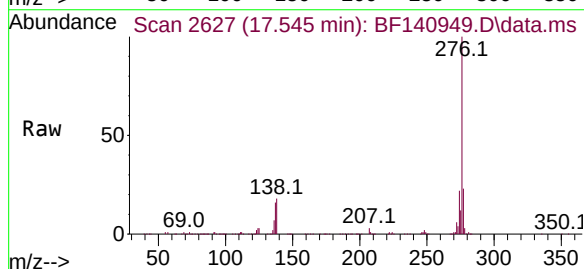
Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



#92
Benzo(g,h,i)perylene
Concen: 61.149 ng
RT: 17.545 min Scan# 2627
Delta R.T. 0.041 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:276 Resp: 366040
Ion Ratio Lower Upper
276 100
277 23.0 18.7 28.1
138 17.9 14.2 21.2



Manual Integration Report

Sequence:	BF121624	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC010	BF140857.D	4-Nitrophenol	yogesh	12/18/2024 1:39:47 AM	mohammad	12/18/2024 2:36:39 AM	Peak Integrated by Software
SSTDICC010	BF140857.D	Pentachlorophenol	yogesh	12/18/2024 1:39:47 AM	mohammad	12/18/2024 2:36:39 AM	Peak Integrated by Software
SSTDICC020	BF140858.D	Pentachlorophenol	yogesh	12/18/2024 1:39:48 AM	mohammad	12/18/2024 2:36:39 AM	Peak Integrated by Software
SSTDICC080	BF140862.D	Caprolactam	yogesh	12/18/2024 1:39:50 AM	mohammad	12/18/2024 2:36:39 AM	Peak Integrated by Software

Manual Integration Report

Sequence:	BF122024	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF140942.D	4-Nitroaniline	Jagrut	12/23/2024 10:15:03 AM	mohammad	12/24/2024 11:31:08 PM	Peak Integrated by Software
PB165705BS	BF140944.D	4-Nitroaniline	Jagrut	12/23/2024 10:15:06 AM	mohammad	12/24/2024 11:31:08 PM	Peak Integrated by Software
PB165705BS	BF140944.D	Caprolactam	Jagrut	12/23/2024 10:15:06 AM	mohammad	12/24/2024 11:31:08 PM	Peak Integrated by Software
P5306-09MS	BF140948.D	4-Nitroaniline	Jagrut	12/23/2024 10:15:09 AM	mohammad	12/24/2024 11:31:08 PM	Peak Integrated by Software
P5306-09MS	BF140948.D	Caprolactam	Jagrut	12/23/2024 10:15:09 AM	mohammad	12/24/2024 11:31:08 PM	Peak Integrated by Software
P5306-09MSD	BF140949.D	4-Nitroaniline	Jagrut	12/23/2024 10:15:11 AM	mohammad	12/24/2024 11:31:08 PM	Peak Integrated by Software
P5306-09MSD	BF140949.D	Caprolactam	Jagrut	12/23/2024 10:15:11 AM	mohammad	12/24/2024 11:31:08 PM	Peak Integrated by Software
SSTDCCC040	BF140959.D	4-Nitroaniline	Jagrut	12/23/2024 10:15:20 AM	mohammad	12/24/2024 11:31:08 PM	Peak Integrated by Software

Manual Integration Report

Sequence:	BF122624	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICCC040	BF140974.D	Aniline	yogesh	12/27/2024 3:54:51 AM	mohammad	12/27/2024 4:13:24 AM	Peak Integrated by Software
SSTDICCC040	BF140974.D	Caprolactam	yogesh	12/27/2024 3:54:51 AM	mohammad	12/27/2024 4:13:24 AM	Peak Integrated by Software
SSTDICC050	BF140975.D	Aniline	yogesh	12/27/2024 3:54:52 AM	mohammad	12/27/2024 4:13:24 AM	Peak Integrated by Software
SSTDICC050	BF140975.D	Caprolactam	yogesh	12/27/2024 3:54:52 AM	mohammad	12/27/2024 4:13:24 AM	Peak Integrated by Software
SSTDICC060	BF140976.D	Aniline	yogesh	12/27/2024 3:54:54 AM	mohammad	12/27/2024 4:13:24 AM	Peak Integrated by Software
SSTDICC080	BF140977.D	Aniline	yogesh	12/27/2024 3:54:55 AM	mohammad	12/27/2024 4:13:24 AM	Peak Integrated by Software
SSTDICC080	BF140977.D	bis(2-Chloroethyl)ether	yogesh	12/27/2024 3:54:55 AM	mohammad	12/27/2024 4:13:24 AM	Peak Integrated by Software
SSTDICV040	BF140978.D	Caprolactam	yogesh	12/27/2024 3:54:57 AM	mohammad	12/27/2024 4:13:24 AM	Peak Integrated by Software

Manual Integration Report

Sequence:

bf122724

Instrument

BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF140981.D	Caprolactam	yogesh	12/30/2024 12:21:09 AM	mohammad	12/30/2024 12:23:12 AM	Peak Integrated by Software
SSTDCCC040	BF140981.D	Phenol	yogesh	12/30/2024 12:21:09 AM	mohammad	12/30/2024 12:23:12 AM	Peak Integrated by Software
SSTDCCC040	BF140994.D	Caprolactam	yogesh	12/30/2024 12:21:19 AM	mohammad	12/30/2024 12:23:12 AM	Peak Integrated by Software
SSTDCCC040	BF140994.D	Phenol	yogesh	12/30/2024 12:21:19 AM	mohammad	12/30/2024 12:23:12 AM	Peak Integrated by Software

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF121624

Review By	yogesh	Review On	12/18/2024 1:40:10 AM
Supervise By	mohammad	Supervise On	12/18/2024 2:36:39 AM
SubDirectory	BF121624	HP Acquire Method	BNA_F
		HP Processing Method	Bf121624
STD. NAME	STD REF.#		
Tune/Reschk	SP6573		
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673		
CCC	SP6676		
Internal Standard/PEM	S12331,10ul/1000ul sample		
ICV/I.BLK	SP6686		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF140854.D	16 Dec 2024 11:21	RC/JU	Ok
2	SSTDICC2.5	BF140855.D	16 Dec 2024 12:13	RC/JU	Ok
3	SSTDICC005	BF140856.D	16 Dec 2024 12:39	RC/JU	Ok
4	SSTDICC010	BF140857.D	16 Dec 2024 13:05	RC/JU	Ok,M
5	SSTDICC020	BF140858.D	16 Dec 2024 14:00	RC/JU	Ok,M
6	SSTDICCC040	BF140859.D	16 Dec 2024 14:26	RC/JU	Ok
7	SSTDICC050	BF140860.D	16 Dec 2024 15:23	RC/JU	Ok
8	SSTDICC060	BF140861.D	16 Dec 2024 15:49	RC/JU	Ok
9	SSTDICC080	BF140862.D	16 Dec 2024 16:15	RC/JU	Ok,M
10	SSTDICV040	BF140863.D	16 Dec 2024 16:41	RC/JU	Ok
11	PB165543BL	BF140864.D	16 Dec 2024 17:08	RC/JU	Ok
12	PB165543BS	BF140865.D	16 Dec 2024 17:34	RC/JU	Ok,M
13	PB165590BL	BF140866.D	16 Dec 2024 18:00	RC/JU	Ok
14	PB165479BS	BF140867.D	16 Dec 2024 18:26	RC/JU	Ok,M
15	PB165479BSD	BF140868.D	16 Dec 2024 18:53	RC/JU	Ok,M
16	PB165479BL	BF140869.D	16 Dec 2024 19:19	RC/JU	Ok
17	P5192-02	BF140870.D	16 Dec 2024 19:45	RC/JU	ReRun

M : Manual Integration

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF122024

Review By	Jagrut	Review On	12/23/2024 10:15:36 AM
Supervise By	mohammad	Supervise On	12/24/2024 11:31:08 PM
SubDirectory	BF122024	HP Acquire Method	BNA_F
		HP Processing Method	bf121624
STD. NAME	STD REF.#		
Tune/Reschk	SP6573		
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673		
CCC	SP6676		
Internal Standard/PEM	S12646,10ul/1000ul sample		
ICV/I.BLK	SP6686		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF140941.D	20 Dec 2024 09:47	RC/JU	Ok
2	SSTDCCC040	BF140942.D	20 Dec 2024 11:15	RC/JU	Ok,M
3	PB165705BL	BF140943.D	20 Dec 2024 11:41	RC/JU	Ok
4	PB165705BS	BF140944.D	20 Dec 2024 12:07	RC/JU	Ok,M
5	P5316-01	BF140945.D	20 Dec 2024 12:51	RC/JU	Ok
6	P5306-11	BF140946.D	20 Dec 2024 13:18	RC/JU	Ok
7	P5306-09	BF140947.D	20 Dec 2024 13:44	RC/JU	Ok
8	P5306-09MS	BF140948.D	20 Dec 2024 14:10	RC/JU	Ok,M
9	P5306-09MSD	BF140949.D	20 Dec 2024 14:36	RC/JU	Ok,M
10	P5306-13	BF140950.D	20 Dec 2024 15:02	RC/JU	Ok
11	P5306-15	BF140951.D	20 Dec 2024 15:29	RC/JU	Ok
12	P5306-01	BF140952.D	20 Dec 2024 15:55	RC/JU	Ok
13	P5306-03	BF140953.D	20 Dec 2024 16:21	RC/JU	Ok
14	P5306-05	BF140954.D	20 Dec 2024 16:48	RC/JU	Ok
15	P5306-07	BF140955.D	20 Dec 2024 17:14	RC/JU	Ok
16	P5330-04	BF140956.D	20 Dec 2024 17:40	RC/JU	Ok
17	P5330-04MS	BF140957.D	20 Dec 2024 18:06	RC/JU	Ok,M
18	P5330-04MSD	BF140958.D	20 Dec 2024 18:32	RC/JU	Ok,M
19	SSTDCCC040	BF140959.D	20 Dec 2024 19:24	RC/JU	Ok,M

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF122624

Review By	yogesh	Review On	12/27/2024 4:07:20 AM
Supervise By	mohammad	Supervise On	12/27/2024 4:13:24 AM
SubDirectory	BF122624	HP Acquire Method	BNA_F
		HP Processing Method	bf122624
STD. NAME	STD REF.#		
Tune/Reschk	SP6573		
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673		
CCC	SP6676		
Internal Standard/PEM	S12646,10ul/1000ul sample		
ICV/I.BLK	SP6686		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF140969.D	26 Dec 2024 15:57	RC/JU	Ok
2	SSTDICC2.5	BF140970.D	26 Dec 2024 16:23	RC/JU	Ok
3	SSTDICC005	BF140971.D	26 Dec 2024 16:49	RC/JU	Ok
4	SSTDICC010	BF140972.D	26 Dec 2024 17:15	RC/JU	Ok
5	SSTDICC020	BF140973.D	26 Dec 2024 17:41	RC/JU	Ok
6	SSTDICCC040	BF140974.D	26 Dec 2024 18:06	RC/JU	Ok,M
7	SSTDICC050	BF140975.D	26 Dec 2024 18:33	RC/JU	Ok,M
8	SSTDICC060	BF140976.D	26 Dec 2024 18:59	RC/JU	Ok,M
9	SSTDICC080	BF140977.D	26 Dec 2024 19:25	RC/JU	Ok,M
10	SSTDICV040	BF140978.D	26 Dec 2024 19:52	RC/JU	Ok,M
11	PB165543BL	BF140979.D	26 Dec 2024 20:18	RC/JU	Ok

M : Manual Integration

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF122724

Review By	yogesh	Review On	12/30/2024 12:22:08 AM
Supervise By	mohammad	Supervise On	12/30/2024 12:23:12 AM
SubDirectory	BF122724	HP Acquire Method	BNA_F
		HP Processing Method	bf122624
STD. NAME	STD REF.#		
Tune/Reschk	SP6573		
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673		
CCC	SP6676		
Internal Standard/PEM	S12646,10ul/1000ul sample		
ICV/I.BLK	SP6686		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF140980.D	27 Dec 2024 07:54	RC/JU	Ok
2	SSTDCCC040	BF140981.D	27 Dec 2024 08:19	RC/JU	Ok,M
3	PB165790BL	BF140982.D	27 Dec 2024 08:45	RC/JU	Ok
4	PB165785BS	BF140983.D	27 Dec 2024 09:11	RC/JU	Ok,M
5	PB165785BSD	BF140984.D	27 Dec 2024 09:37	RC/JU	Ok,M
6	PB165733TB	BF140985.D	27 Dec 2024 10:04	RC/JU	Ok
7	PB165790BS	BF140986.D	27 Dec 2024 10:30	RC/JU	Ok,M
8	PB165748BL	BF140987.D	27 Dec 2024 10:56	RC/JU	Ok
9	PB165748BS	BF140988.D	27 Dec 2024 11:22	RC/JU	Ok,M
10	PB165814BL	BF140989.D	27 Dec 2024 11:48	RC/JU	Ok
11	PB165814BS	BF140990.D	27 Dec 2024 12:14	RC/JU	Ok,M
12	PB165845BL	BF140991.D	27 Dec 2024 12:41	RC/JU	Ok
13	PB165845BS	BF140992.D	27 Dec 2024 13:07	RC/JU	Not Ok
14	DFTPP	BF140993.D	27 Dec 2024 13:33	RC/JU	Ok
15	SSTDCCC040	BF140994.D	27 Dec 2024 13:59	RC/JU	Ok,M
16	PB165872BL	BF140995.D	27 Dec 2024 14:26	RC/JU	Ok
17	P5299-04	BF140996.D	27 Dec 2024 15:00	RC/JU	Ok
18	P5299-03	BF140997.D	27 Dec 2024 15:26	RC/JU	Ok
19	P5299-02	BF140998.D	27 Dec 2024 16:03	RC/JU	Ok
20	P5299-01	BF140999.D	27 Dec 2024 16:29	RC/JU	Ok
21	P5356-01	BF141000.D	27 Dec 2024 16:55	RC/JU	Ok

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF122724

Review By	yogesh	Review On	12/30/2024 12:22:08 AM
Supervise By	mohammad	Supervise On	12/30/2024 12:23:12 AM
SubDirectory	BF122724	HP Acquire Method	BNA_F
		HP Processing Method	bf122624
STD. NAME	STD REF.#		
Tune/Reschk	SP6573		
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673		
CCC	SP6676		
Internal Standard/PEM	S12646,10ul/1000ul sample		
ICV/I.BLK	SP6686		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	P5362-01	BF141001.D	27 Dec 2024 17:21	RC/JU	Ok,M
23	P5362-01MS	BF141002.D	27 Dec 2024 17:46	RC/JU	Ok,M
24	P5362-01MSD	BF141003.D	27 Dec 2024 18:13	RC/JU	Ok,M
25	P5382-01	BF141004.D	27 Dec 2024 18:39	RC/JU	Ok,M
26	P5382-01MS	BF141005.D	27 Dec 2024 19:05	RC/JU	Ok,M
27	P5382-01MSD	BF141006.D	27 Dec 2024 19:32	RC/JU	Ok,M
28	P5382-02	BF141007.D	27 Dec 2024 19:58	RC/JU	Ok,M
29	P5382-03	BF141008.D	27 Dec 2024 20:24	RC/JU	Ok
30	P5343-01MS	BF141009.D	27 Dec 2024 20:51	RC/JU	Ok
31	P5343-01MSD	BF141010.D	27 Dec 2024 21:17	RC/JU	Ok
32	P5343-03RE	BF141011.D	27 Dec 2024 21:43	RC/JU	Confirms
33	P5330-01RE	BF141012.D	27 Dec 2024 22:10	RC/JU	Confirms
34	P5383-01	BF141013.D	27 Dec 2024 22:36	RC/JU	Ok,M
35	P5355-01RE	BF141014.D	27 Dec 2024 23:02	RC/JU	Confirms
36	P5387-01	BF141015.D	27 Dec 2024 23:29	RC/JU	Ok,M
37	P5387-01MS	BF141016.D	27 Dec 2024 23:55	RC/JU	Not Ok
38	P5387-01MSD	BF141017.D	28 Dec 2024 00:21	RC/JU	Not Ok

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF121624

Review By	yogesh	Review On	12/18/2024 1:40:10 AM
Supervise By	mohammad	Supervise On	12/18/2024 2:36:39 AM
SubDirectory	BF121624	HP Acquire Method	BNA_F
		HP Processing Method	Bf121624

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12331,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF140854.D	16 Dec 2024 11:21		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF140855.D	16 Dec 2024 12:13		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF140856.D	16 Dec 2024 12:39	Compound#32,41,54,56,65,70,77 removed from 5 ppm	RC/JU	Ok
4	SSTDICC010	SSTDICC010	BF140857.D	16 Dec 2024 13:05		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BF140858.D	16 Dec 2024 14:00	The Calibration is Good For 8270 DOD and good for 625.1 Method	RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BF140859.D	16 Dec 2024 14:26	Compound#41 Kept on QR & Compound#54,56 Kept on LR	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BF140860.D	16 Dec 2024 15:23		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BF140861.D	16 Dec 2024 15:49		RC/JU	Ok
9	SSTDICC080	SSTDICC080	BF140862.D	16 Dec 2024 16:15		RC/JU	Ok,M
10	SSTDICV040	ICVBF121624	BF140863.D	16 Dec 2024 16:41		RC/JU	Ok
11	PB165543BL	PB165543BL	BF140864.D	16 Dec 2024 17:08		RC/JU	Ok
12	PB165543BS	PB165543BS	BF140865.D	16 Dec 2024 17:34		RC/JU	Ok,M
13	PB165590BL	PB165590BL	BF140866.D	16 Dec 2024 18:00		RC/JU	Ok
14	PB165479BS	PB165479BS	BF140867.D	16 Dec 2024 18:26		RC/JU	Ok,M
15	PB165479BSD	PB165479BSD	BF140868.D	16 Dec 2024 18:53		RC/JU	Ok,M
16	PB165479BL	PB165479BL	BF140869.D	16 Dec 2024 19:19		RC/JU	Ok
17	P5192-02	EFF-WASTE WATER	BF140870.D	16 Dec 2024 19:45	Surrogate Fail	RC/JU	ReRun

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF121624

Review By	yogesh	Review On	12/18/2024 1:40:10 AM		
Supervise By	mohammad	Supervise On	12/18/2024 2:36:39 AM		
SubDirectory	BF121624	HP Acquire Method	BNA_F	HP Processing Method	Bf121624
STD. NAME	STD REF.#				
Tune/Reschk	SP6573				
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673				
CCC	SP6676				
Internal Standard/PEM	S12331,10ul/1000ul sample				
ICV/I.BLK	SP6686				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF122024

Review By	Jagrut	Review On	12/23/2024 10:15:36 AM
Supervise By	mohammad	Supervise On	12/24/2024 11:31:08 PM
SubDirectory	BF122024	HP Acquire Method	BNA_F
		HP Processing Method	bf121624

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12646,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF140941.D	20 Dec 2024 09:47		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF140942.D	20 Dec 2024 11:15	CCC fail high side for #87,91 and #92	RC/JU	Ok,M
3	PB165705BL	PB165705BL	BF140943.D	20 Dec 2024 11:41		RC/JU	Ok
4	PB165705BS	PB165705BS	BF140944.D	20 Dec 2024 12:07		RC/JU	Ok,M
5	P5316-01	TT-304-IDWSO-202412	BF140945.D	20 Dec 2024 12:51		RC/JU	Ok
6	P5306-11	OU4-VSL-12-121224	BF140946.D	20 Dec 2024 13:18		RC/JU	Ok
7	P5306-09	OU4-VSL-11-121224	BF140947.D	20 Dec 2024 13:44		RC/JU	Ok
8	P5306-09MS	OU4-VSL-11-121224MS	BF140948.D	20 Dec 2024 14:10		RC/JU	Ok,M
9	P5306-09MSD	OU4-VSL-11-121224MS	BF140949.D	20 Dec 2024 14:36		RC/JU	Ok,M
10	P5306-13	OU4-VSL-13-121224	BF140950.D	20 Dec 2024 15:02		RC/JU	Ok
11	P5306-15	OU4-VSL-14-121224	BF140951.D	20 Dec 2024 15:29		RC/JU	Ok
12	P5306-01	OU4-VSL-07-121224	BF140952.D	20 Dec 2024 15:55		RC/JU	Ok
13	P5306-03	OU4-VSL-08-121224	BF140953.D	20 Dec 2024 16:21		RC/JU	Ok
14	P5306-05	OU4-VSL-09-121224	BF140954.D	20 Dec 2024 16:48		RC/JU	Ok
15	P5306-07	OU4-VSL-10-121224	BF140955.D	20 Dec 2024 17:14		RC/JU	Ok
16	P5330-04	TP-5	BF140956.D	20 Dec 2024 17:40		RC/JU	Ok
17	P5330-04MS	TP-5MS	BF140957.D	20 Dec 2024 18:06		RC/JU	Ok,M

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF122024

Review By	Jagrut	Review On	12/23/2024 10:15:36 AM
Supervise By	mohammad	Supervise On	12/24/2024 11:31:08 PM
SubDirectory	BF122024	HP Acquire Method	BNA_F
		HP Processing Method	bf121624

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12646,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	P5330-04MSD	TP-5MSD	BF140958.D	20 Dec 2024 18:32		RC/JU	Ok,M
19	SSTDCCC040	SSTDCCC040EC	BF140959.D	20 Dec 2024 19:24		RC/JU	Ok,M

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF122624

Review By	yogesh	Review On	12/27/2024 4:07:20 AM
Supervise By	mohammad	Supervise On	12/27/2024 4:13:24 AM
SubDirectory	BF122624	HP Acquire Method	BNA_F
		HP Processing Method	bf122624

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12646,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF140969.D	26 Dec 2024 15:57		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF140970.D	26 Dec 2024 16:23		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF140971.D	26 Dec 2024 16:49	Compound #9,54,56,65 removed from 5ppm	RC/JU	Ok
4	SSTDICC010	SSTDICC010	BF140972.D	26 Dec 2024 17:15		RC/JU	Ok
5	SSTDICC020	SSTDICC020	BF140973.D	26 Dec 2024 17:41	Compound #9,26,32,48,51,53,57,62,65 Kept on LR and Compound #54 Kept on QR	RC/JU	Ok
6	SSTDICCC040	SSTDICCC040	BF140974.D	26 Dec 2024 18:06	The Calibration is Good For 8270 DOD Except Com#56 and good for 625.1 Method	RC/JU	Ok,M
7	SSTDICC050	SSTDICC050	BF140975.D	26 Dec 2024 18:33		RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BF140976.D	26 Dec 2024 18:59		RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BF140977.D	26 Dec 2024 19:25	Compound #9,69 removed from 80ppm	RC/JU	Ok,M
10	SSTDICV040	ICVBF122624	BF140978.D	26 Dec 2024 19:52	ICV Fail for Com#56 for DOD	RC/JU	Ok,M
11	PB165543BL	PB165543BL	BF140979.D	26 Dec 2024 20:18		RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF122724

Review By	yogesh	Review On	12/30/2024 12:22:08 AM
Supervise By	mohammad	Supervise On	12/30/2024 12:23:12 AM
SubDirectory	BF122724	HP Acquire Method	BNA_F
		HP Processing Method	bf122624

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12646,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF140980.D	27 Dec 2024 07:54		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF140981.D	27 Dec 2024 08:19		RC/JU	Ok,M
3	PB165790BL	PB165790BL	BF140982.D	27 Dec 2024 08:45		RC/JU	Ok
4	PB165785BS	PB165785BS	BF140983.D	27 Dec 2024 09:11		RC/JU	Ok,M
5	PB165785BSD	PB165785BSD	BF140984.D	27 Dec 2024 09:37		RC/JU	Ok,M
6	PB165733TB	PB165733TB	BF140985.D	27 Dec 2024 10:04		RC/JU	Ok
7	PB165790BS	PB165790BS	BF140986.D	27 Dec 2024 10:30		RC/JU	Ok,M
8	PB165748BL	PB165748BL	BF140987.D	27 Dec 2024 10:56		RC/JU	Ok
9	PB165748BS	PB165748BS	BF140988.D	27 Dec 2024 11:22		RC/JU	Ok,M
10	PB165814BL	PB165814BL	BF140989.D	27 Dec 2024 11:48		RC/JU	Ok
11	PB165814BS	PB165814BS	BF140990.D	27 Dec 2024 12:14		RC/JU	Ok,M
12	PB165845BL	PB165845BL	BF140991.D	27 Dec 2024 12:41		RC/JU	Ok
13	PB165845BS	PB165845BS	BF140992.D	27 Dec 2024 13:07	Recovery fail high for com. #71	RC/JU	Not Ok
14	DFTPP	DFTPP	BF140993.D	27 Dec 2024 13:33		RC/JU	Ok
15	SSTDCCC040	SSTDCCC040	BF140994.D	27 Dec 2024 13:59	CCC fail high side for com. #77	RC/JU	Ok,M
16	PB165872BL	PB165872BL	BF140995.D	27 Dec 2024 14:26		RC/JU	Ok
17	P5299-04	SB-02	BF140996.D	27 Dec 2024 15:00		RC/JU	Ok
18	P5299-03	SB-01	BF140997.D	27 Dec 2024 15:26		RC/JU	Ok

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF122724

Review By	yogesh	Review On	12/30/2024 12:22:08 AM		
Supervise By	mohammad	Supervise On	12/30/2024 12:23:12 AM		
SubDirectory	BF122724	HP Acquire Method	BNA_F	HP Processing Method	bf122624
STD. NAME		STD REF.#			
Tune/Reschk	SP6573				
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673				
CCC	SP6676				
Internal Standard/PEM	S12646,10ul/1000ul sample				
ICV/I.BLK	SP6686				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

19	P5299-02	SB-02	BF140998.D	27 Dec 2024 16:03		RC/JU	Ok
20	P5299-01	SB-01	BF140999.D	27 Dec 2024 16:29		RC/JU	Ok
21	P5356-01	STAND-PIPE	BF141000.D	27 Dec 2024 16:55		RC/JU	Ok
22	P5362-01	WC-SOIL-20241219	BF141001.D	27 Dec 2024 17:21		RC/JU	Ok,M
23	P5362-01MS	WC-SOIL-20241219MS	BF141002.D	27 Dec 2024 17:46		RC/JU	Ok,M
24	P5362-01MSD	WC-SOIL-20241219MSD	BF141003.D	27 Dec 2024 18:13		RC/JU	Ok,M
25	P5382-01	COMP-1	BF141004.D	27 Dec 2024 18:39		RC/JU	Ok,M
26	P5382-01MS	COMP-1MS	BF141005.D	27 Dec 2024 19:05		RC/JU	Ok,M
27	P5382-01MSD	COMP-1MSD	BF141006.D	27 Dec 2024 19:32		RC/JU	Ok,M
28	P5382-02	COMP-2	BF141007.D	27 Dec 2024 19:58		RC/JU	Ok,M
29	P5382-03	COMP-3	BF141008.D	27 Dec 2024 20:24		RC/JU	Ok
30	P5343-01MS	VNJ210MS	BF141009.D	27 Dec 2024 20:51		RC/JU	Ok
31	P5343-01MSD	VNJ210MSD	BF141010.D	27 Dec 2024 21:17		RC/JU	Ok
32	P5343-03RE	VNJ281RE	BF141011.D	27 Dec 2024 21:43	Fax is already given	RC/JU	Confirms
33	P5330-01RE	TP-5RE	BF141012.D	27 Dec 2024 22:10	Fax is already given	RC/JU	Confirms
34	P5383-01	OK-02-12232024	BF141013.D	27 Dec 2024 22:36		RC/JU	Ok,M
35	P5355-01RE	RBR251688RE	BF141014.D	27 Dec 2024 23:02	Fax is already given	RC/JU	Confirms
36	P5387-01	TR-05-122624	BF141015.D	27 Dec 2024 23:29		RC/JU	Ok,M
37	P5387-01MS	TR-05-122624MS	BF141016.D	27 Dec 2024 23:55	MSD is Not Ok	RC/JU	Not Ok

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF122724

Review By	yogesh	Review On	12/30/2024 12:22:08 AM		
Supervise By	mohammad	Supervise On	12/30/2024 12:23:12 AM		
SubDirectory	BF122724	HP Acquire Method	BNA_F	HP Processing Method	bf122624

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12646,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	P5387-01MSD	TR-05-122624MSD	BF141017.D	28 Dec 2024 00:21	Internal Standard Fail	RC/JU	Not Ok

M : Manual Integration



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 12/18/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 12/17/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:12
Out Date: 12/18/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB133976

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
P5245-03	72-12016	1	1.15	8.37	9.52	8.99	93.7	
P5299-01	SB-01	2	1.15	8.40	9.55	7.74	78.5	
P5299-02	SB-02	3	1.16	8.70	9.86	7.73	75.5	
P5299-03	SB-01	33	1.13	8.61	9.74	7.05	68.8	
P5299-04	SB-02	4	1.15	8.75	9.9	8.08	79.2	
P5306-01	OU4-VSL-07-121224	5	1.16	8.52	9.68	8.9	90.8	
P5306-03	OU4-VSL-08-121224	6	1.17	8.73	9.9	9.1	90.8	
P5306-05	OU4-VSL-09-121224	7	1.19	8.45	9.64	8.8	90.1	
P5306-07	OU4-VSL-10-121224	8	1.15	8.65	9.8	9.37	95.0	
P5306-09	OU4-VSL-11-121224	9	1.11	8.77	9.88	9.32	93.6	
P5306-11	OU4-VSL-12-121224	10	1.12	8.65	9.77	8.97	90.8	
P5306-13	OU4-VSL-13-121224	11	1.13	8.72	9.85	8.98	90.0	
P5306-15	OU4-VSL-14-121224	12	1.18	8.46	9.64	9.29	95.9	
P5306-17	OU4-VSL-06R-121224	13	1.15	8.80	9.95	9.22	91.7	
P5307-01	1A-1B-1C-ROOF-2	14	1.00	1.00	2.00	2.00	100.0	caluk
P5307-02	2A-2B-2C-ROOF-2	15	1.00	1.00	2.00	2.00	100.0	caluk
P5307-03	3A-3B-3C-1907	16	1.00	1.00	2.00	2.00	100.0	caluk
P5307-04	4A-4B-4C-1907	17	1.00	1.00	2.00	2.00	100.0	caluk
P5307-05	5A-5B-5C-1907	18	1.00	1.00	2.00	2.00	100.0	caluk
P5307-06	6A-6B-6C-1952	19	1.00	1.00	2.00	2.00	100.0	caluk
P5307-07	1907-BLDG-GRAY	20	1.00	1.00	2.00	2.00	100.0	caluk
P5307-08	1952-BLDG	21	1.00	1.00	2.00	2.00	100.0	caluk
P5307-09	9A-9B-9C-1907	22	1.00	1.00	2.00	2.00	100.0	caluk
P5307-10	1907-BLDG-OFF-WHITE	23	1.00	1.00	2.00	2.00	100.0	caluk
P5307-11	11A-11B-11C-1952-BLDG	24	1.00	1.00	2.00	2.00	100.0	caluk
P5307-12	12A-12B-12C-1952	25	1.00	1.00	2.00	2.00	100.0	caluk
P5307-13	13A-13B-13C-1952	26	1.00	1.00	2.00	2.00	100.0	caluk
P5307-14	14A-14B-14C-1907	27	1.00	1.00	2.00	2.00	100.0	caluk



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 12/18/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 12/17/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:12
Out Date: 12/18/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB133976

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
P5307-15	15A-15B-15C-ROOF-7	28	1.00	1.00	2.00	2.00	100.0	caluk
P5312-01	SOIL-VNJ-222	29	1.15	8.43	9.58	8.55	87.8	
P5312-02	SOIL-VNJ-222	30	1.12	8.66	9.78	9.35	95.0	
P5312-03	CONCRETE-VNJ-222	31	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
P5312-04	CONCRETE-VNJ-222	32	1.00	1.00	2.00	2.00	100.0	CONCRETE sample

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

SOP ID:	M3541-ASE Extraction-14		
Clean Up SOP #:	N/A	Extraction Start Date :	12/18/2024
Matrix :	Solid	Extraction Start Time :	08:56
Weigh By:	EH	Extraction By:	RJ
Balance check:	RJ	Extraction End Date :	12/18/2024
Balance ID:	EX-SC-2	Filter By:	RJ
pH Strip Lot#:	N/A	Extraction End Time :	14:40
		pH Meter ID:	N/A
		Concentration By:	EH
		Hood ID:	3,7
		Supervisor By :	rajesh

Extraction Method:
☐ Separatory Funnel
 ☐ Continous Liquid/Liquid
 ☐ Sonication
 ☐ Waste Dilution
 ☒ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6681
Surrogate	1.0ML	100/150 PPM	SP6638
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2560
Baked Na2SO4	N/A	EP2573
Sand	N/A	E2865
Methylene Chloride	N/A	E3845
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:

1.5 ML Vial lot# 2210673. P5316-01 Added in batch at 1135

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
12/18/24	RP (Ext Lab)	Relswoc
14:45	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 12/18/2024

Sample ID	Client Sample ID	Test	g mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB165705BL	SBLK705	SVOCMS Group3	30.02	N/A	ritesh	Evelyn	1			U4-1
PB165705BS	SLCS705	SVOCMS Group3	30.01	N/A	ritesh	Evelyn	1			2
P5299-01	SB-01	SVOC-TCL BNA -20	30.04	N/A	ritesh	Evelyn	1	F		3
P5299-02	SB-02	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1	F		4
P5299-03	SB-01	SVOC-TCL BNA -20	30.07	N/A	ritesh	Evelyn	1	F		5
P5299-04	SB-02	SVOC-TCL BNA -20	30.09	N/A	ritesh	Evelyn	1	F		6
P5306-01	OU4-VSL-07-121224	SVOCMS Group3	30.05	N/A	ritesh	Evelyn	1	E		U5-1
P5306-03	OU4-VSL-08-121224	SVOCMS Group3	30.02	N/A	ritesh	Evelyn	1	E		2
P5306-05	OU4-VSL-09-121224	SVOCMS Group3	30.07	N/A	ritesh	Evelyn	1	E		3
P5306-07	OU4-VSL-10-121224	SVOCMS Group3	30.06	N/A	ritesh	Evelyn	1	E		4
P5306-09	OU4-VSL-11-121224	SVOCMS Group3	30.05	N/A	ritesh	Evelyn	1	E		5
P5306-09MS	OU4-VSL-11-121224MS	SVOCMS Group3	30.10	N/A	ritesh	Evelyn	1	E		6
P5306-09MS D	OU4-VSL-11-121224MSD	SVOCMS Group3	30.08	N/A	ritesh	Evelyn	1	E		U6-1
P5306-11	OU4-VSL-12-121224	SVOCMS Group3	30.06	N/A	ritesh	Evelyn	1	E		2
P5306-13	OU4-VSL-13-121224	SVOCMS Group3	30.03	N/A	ritesh	Evelyn	1	E		3
P5306-15	OU4-VSL-14-121224	SVOCMS Group3	30.02	N/A	ritesh	Evelyn	1	E		4
P5312-01	SOIL-VNJ-222	SVOC-TCL BNA -20	50.04	N/A	ritesh	Evelyn	1	E		5
P5312-03	CONCRETE-VNJ-222	SVOC-TCL BNA -20	50.05	N/A	ritesh	Evelyn	1	E	Concrete	6
P5316-01	TT-304-IDWSO-20241217-1	SVOCMS Group2	30.04	N/A	ritesh	Evelyn	1	E		U7-1

* Extracts relinquished on the same date as received.



1657205
08:55

WORKLIST(Hardcopy Internal Chain)

Worklist Name : P5312 Worklist ID : 186421 Department : Extraction Date : 12-18-2024 08:08:55

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P5306-01	OU4-VSL-07-121224	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	L61	12/12/2024	8270E
P5306-03	OU4-VSL-08-121224	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	L61	12/12/2024	8270E
P5306-05	OU4-VSL-09-121224	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	L61	12/12/2024	8270E
P5306-07	OU4-VSL-10-121224	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	L61	12/12/2024	8270E
P5306-09	OU4-VSL-11-121224	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	L61	12/12/2024	8270E
P5306-11	OU4-VSL-12-121224	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	L61	12/12/2024	8270E
P5306-13	OU4-VSL-13-121224	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	L61	12/12/2024	8270E
P5306-15	OU4-VSL-14-121224	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	L61	12/12/2024	8270E
P5312-01	SOIL-VNJ-222	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L61	12/17/2024	8270E
P5312-03	CONCRETE-VNJ-222	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L61	12/17/2024	8270E

Date/Time 12/18/24 8:50
Raw Sample Received by: JS (set up)
Raw Sample Relinquished by: JD (SM)

Date/Time 12/18/24 8:20
Raw Sample Received by: JD (SM)
Raw Sample Relinquished by: JS (set up)

12/18/24
11:32:50

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P5316 WorkList ID : 186434 Department : Extraction Date : 12-18-2024 11:32:50

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P5316-01	TT-304-IDWSO-20241217-1	Solid	PCB Group1	Cool 4 deg C	TETRO6	L51	12/17/2024	8082A
P5316-01	TT-304-IDWSO-20241217-1	Solid	PESTICIDE Group1	Cool 4 deg C	TETRO6	L51	12/17/2024	8081B
P5316-01	TT-304-IDWSO-20241217-1	Solid	SVOCMS Group2	Cool 4 deg C	TETRO6	L51	12/17/2024	8270E

Date/Time 12/18/24
Raw Sample Received by: RS (Sgt 1048)
Raw Sample Relinquished by: AS

Date/Time 12/18/24
Raw Sample Received by: AS
Raw Sample Relinquished by: AS (Sgt 1048)

12/18/24
8:56

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P5299S WorkList ID : 186437 Department : Extraction Date : 12-18-2024 08:56:42

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P5299-01	SB-01	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	L41	12/14/2024	8270E
P5299-02	SB-02	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	L41	12/15/2024	8270E
P5299-03	SB-01	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	L41	12/15/2024	8270E
P5299-04	SB-02	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	L41	12/15/2024	8270E

Date/Time 12/18/24 8:56
Raw Sample Received by: JS (Set 1a)
Raw Sample Relinquished by: SA SM

Date/Time 12/18/24 8:17
Raw Sample Received by: SA SM
Raw Sample Relinquished by: JS (Set 1a)



SHIPPING DOCUMENTS

CHEMTECH

CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO.

QUOTE NO.

COC Number

P5299

2041521

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: Gannett Fleming
ADDRESS: 1010 Adams Ave
CITY: Audobon STATE: PA ZIP: 19405
ATTENTION: Joe Krupansky
PHONE: 610-301-8342 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Amtrak Replacement of
PROJECT NO: 950000313 LOCATION: Kearny NJ
PROJECT MANAGER: Joe Krupansky
e-mail: QAQC@PEMSYS.COM
PHONE: 610-301-8342 FAX:

CLIENT BILLING INFORMATION

BILL TO: Alliance PO#:
ADDRESS: 284 Sheffield St
CITY: Mountainside STATE: NJ ZIP: 07093
ATTENTION: Samantha Beans PHONE: 908-788-3148

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): 10 DAYS*
EDD: 10 DAYS*

*TO BE APPROVED BY CHEMTECH

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

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 BEM EDD

1 TCL VECT 10
2 TCL VECT 10
3 TAL PCBs
4 TAL metals
5 C(L) (II)
6 C(L) (VI)
7 EPH
8
9

PRESERVATIVES

COMMENTS

← Specify Preservatives

A-HCl D-NaOH
B-HNO3 E-ICE
C-H2SO4 F-OTHER

CHEMTECH 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		
1. B-124	SB-01	S		X	12/14	4:14 PM	5	X	X	X	X	X	X	X				
2. B-124	SB-02				12/15	10:17 AM	6	X	X	X	X	X	X	X				
3. B-134	SB-01				12/15	4:02 PM	6	X	X	X	X	X	X	X				
4. B-134	SB-02				12/15	5:27 PM	6	X	X	X	X	X	X	X				
5.																		
6.																		
7.																		
8.																		
9.																		
10.																		

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. Dylan Grana	DATE/TIME: 1100 12-16-24	RECEIVED BY: 1. [Signature] 1100 12-16-24	Conditions of bottles or containers receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.5 °C
RELINQUISHED BY SAMPLER: 2. [Signature]	DATE/TIME:	RECEIVED BY: 2. [Signature]	Comments: [Signature]
RELINQUISHED BY SAMPLER: 3. [Signature]	DATE/TIME: 1700 12-16-24	RECEIVED BY: 3. [Signature]	

Page ____ of ____

CLIENT: ☐ Hand Delivered ☐ Other _____
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete
☐ YES ☐ NO



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P5299	PORT06	Order Date : 12/16/2024 12:24:00 PM	Project Mgr :
Client Name : Portal Partners Tri-Venture		Project Name : Amtrak Sawtooth Bridges 2	Report Type : NJ Reduced
Client Contact : Joseph Krupansky		Receive DateTime : 12/16/2024 11:00:00 AM	EDD Type : EXCEL NJCLEANUP
Invoice Name : Portal Partners Tri-Venture		Purchase Order :	Hard Copy Date :
Invoice Contact : Joseph Krupansky			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P5299-01	SB-01	Solid	12/14/2024	16:14	VOC-TCLVOA-10		8260D	10 Bus. Days	
P5299-02	SB-02	Solid	12/15/2024	10:17	VOC-TCLVOA-10		8260D	10 Bus. Days	
P5299-03	SB-01	Solid	12/15/2024	16:02	VOC-TCLVOA-10		8260D	10 Bus. Days	
P5299-04	SB-02	Solid	12/15/2024	17:27	VOC-TCLVOA-10		8260D	10 Bus. Days	

Relinquished By :

Date / Time : 12/17/24 0900

Received By :

Date / Time :

Storage Area : VOA Refridgerator Room