

Cover Page

Order ID : Q1194

Project ID : Amtrak Sawtooth Bridges 2025

Client : Portal Partners Tri-Venture

Lab Sample Number

Q1194-01
Q1194-02
Q1194-03
Q1194-04
Q1194-08
Q1194-09
Q1194-10

Client Sample Number

B-110-SB01
B-110-SB02
B-113-SB01
B-113-SB02
EB
FB
TB

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: 2/5/2025

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following “ Results Qualifiers” are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. “10 U”. This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as “12 B”.
E	Indicates the analyte ‘s concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a “P”.
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1194

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: NILESH PRAJAPATI

Date: 02/05/2025

LAB CHRONICLE

OrderID:	Q1194	OrderDate:	1/27/2025 9:35:00 AM
Client:	Portal Partners Tri-Venture	Project:	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	Location:	N41,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1194-01	B-110-SB01	SOIL	SVOC-TCL BNA -20	8270E	01/25/25	01/28/25	01/31/25	01/27/25
Q1194-02	B-110-SB02	SOIL	SVOC-TCL BNA -20	8270E	01/25/25	01/28/25	01/31/25	01/27/25
Q1194-03	B-113-SB01	SOIL	SVOC-TCL BNA -20	8270E	01/25/25	01/28/25	02/04/25	01/27/25
Q1194-04	B-113-SB02	SOIL	SVOC-TCL BNA -20	8270E	01/25/25	01/28/25	02/01/25	01/27/25
Q1194-08	EB	Water	SVOC-TCL BNA -20	8270E	01/25/25	01/29/25	02/03/25	01/27/25

Hit Summary Sheet SW-846

SDG No.: Q1194
Client: Portal Partners Tri-Venture

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : B-110-SB01								
Q1194-01	B-110-SB01	SOIL	Benzophenone	*	130.000	J 0	0	ug/Kg
Q1194-01	B-110-SB01	SOIL	Hexanedioic acid, bis(2-ethylhexy	*	200.000	J 0	0	ug/Kg
Q1194-01	B-110-SB01	SOIL	n-Hexadecanoic acid	*	170.000	J 0	0	ug/Kg
Q1194-01	B-110-SB01	SOIL	Propane, 1,1-dimethoxy-	*	90.800	JB 0	0	ug/Kg
Q1194-01	B-110-SB01	SOIL	unknown2.346	*	160.000	J 0	0	ug/Kg
Total Tics :				750.80				
Total Concentration:				750.80				
Client ID : B-110-SB02								
Q1194-02	B-110-SB02	SOIL	Benzophenone	*	140.000	J 0	0	ug/Kg
Q1194-02	B-110-SB02	SOIL	Eicosane	*	140.000	J 0	0	ug/Kg
Q1194-02	B-110-SB02	SOIL	Hexanedioic acid, dioctyl ester	*	500.000	J 0	0	ug/Kg
Q1194-02	B-110-SB02	SOIL	n-Hexadecanoic acid	*	230.000	J 0	0	ug/Kg
Q1194-02	B-110-SB02	SOIL	Propane, 1,1-dimethoxy-	*	130.000	JB 0	0	ug/Kg
Q1194-02	B-110-SB02	SOIL	unknown13.869	*	130.000	J 0	0	ug/Kg
Q1194-02	B-110-SB02	SOIL	unknown16.739	*	140.000	J 0	0	ug/Kg
Total Tics :				1,410.00				
Total Concentration:				1,410.00				
Client ID : B-113-SB01								
Q1194-03	B-113-SB01	SOIL	Fluorene		110.000	J 98.4	200	ug/Kg
Q1194-03	B-113-SB01	SOIL	Phenanthrene		820.000	96.6	200	ug/Kg
Q1194-03	B-113-SB01	SOIL	Anthracene		180.000	J 97.1	200	ug/Kg
Q1194-03	B-113-SB01	SOIL	Fluoranthene		600.000	94	200	ug/Kg
Q1194-03	B-113-SB01	SOIL	Pyrene		430.000	95.5	200	ug/Kg
Q1194-03	B-113-SB01	SOIL	Benzo(a)anthracene		230.000	92.8	200	ug/Kg
Q1194-03	B-113-SB01	SOIL	Chrysene		200.000	91.5	200	ug/Kg
Q1194-03	B-113-SB01	SOIL	Benzo(b)fluoranthene		180.000	J 93.3	200	ug/Kg
Q1194-03	B-113-SB01	SOIL	Benzo(a)pyrene		170.000	J 110	200	ug/Kg
Total Svoc :				2,920.00				
Q1194-03	B-113-SB01	SOIL	9,10-Dimethylanthracene	*	82.800	J 0	0	ug/Kg
Q1194-03	B-113-SB01	SOIL	Benzaldehyde, 3,5-dichloro-2-hyd	*	300.000	J 0	0	ug/Kg
Q1194-03	B-113-SB01	SOIL	Benzo[e]pyrene	*	95.100	J 0	0	ug/Kg
Q1194-03	B-113-SB01	SOIL	Benzophenone	*	190.000	J 0	0	ug/Kg
Q1194-03	B-113-SB01	SOIL	Dibenzo[def,mno]chrysene	*	86.700	J 0	0	ug/Kg
Q1194-03	B-113-SB01	SOIL	Naphthalene, 2-phenyl-	*	130.000	J 0	0	ug/Kg
Q1194-03	B-113-SB01	SOIL	Phenanthrene, 1-methyl-	*	150.000	J 0	0	ug/Kg
Q1194-03	B-113-SB01	SOIL	Phenanthrene, 2-methyl-	*	150.000	J 0	0	ug/Kg

Hit Summary Sheet SW-846

SDG No.: Q1194
Client: Portal Partners Tri-Venture

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q1194-03	B-113-SB01	SOIL	Propane, 1,1-dimethoxy-	*	120.000	JB 0	0	ug/Kg
Q1194-03	B-113-SB01	SOIL	Pyrene, 1-methyl-	*	92.800	J 0	0	ug/Kg
Q1194-03	B-113-SB01	SOIL	unknown12.398	*	80.900	J 0	0	ug/Kg
Total Tics :				1,478.30				
Total Concentration:				4,398.30				
Client ID :	B-113-SB02							
Q1194-04	B-113-SB02	SOIL	Adipic acid, 2-ethylhexyl octyl es	*	280.000	J 0	0	ug/Kg
Q1194-04	B-113-SB02	SOIL	Benzophenone	*	200.000	J 0	0	ug/Kg
Q1194-04	B-113-SB02	SOIL	n-Hexadecanoic acid	*	380.000	J 0	0	ug/Kg
Q1194-04	B-113-SB02	SOIL	Propane, 1,1-dimethoxy-	*	160.000	JB 0	0	ug/Kg
Total Tics :				1,020.00				
Total Concentration:				1,020.00				
Client ID :	EB							
Q1194-08	EB	WATER	2-Propanol, 1-(2-methoxy-1-meth	*	3.200	J 0	0	ug/L
Q1194-08	EB	WATER	Benzophenone	*	2.100	J 0	0	ug/L
Q1194-08	EB	WATER	n-Hexadecanoic acid	*	14.700	J 0	0	ug/L
Q1194-08	EB	WATER	Octadecanoic acid	*	6.100	J 0	0	ug/L
Q1194-08	EB	WATER	Trifluoroacetoxy hexadecane	*	3.800	J 0	0	ug/L
Total Tics :				29.90				
Total Concentration:				29.90				



QC SUMMARY

Surrogate Summary

SW-846

SDG No.: Q1194

Client: Portal Partners Tri-Venture

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB166294BL	PB166294BL	2-Fluorophenol	150	132	88		30 (18)	130 (112)
		Phenol-d6	150	126	84		30 (15)	130 (107)
		Nitrobenzene-d5	100	91.8	92		30 (18)	130 (107)
		2-Fluorobiphenyl	100	92.9	93		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	142	95		30 (10)	130 (116)
		Terphenyl-d14	100	85.6	86		30 (10)	130 (105)
PB166294BS	PB166294BS	2-Fluorophenol	150	133	88		30 (18)	130 (112)
		Phenol-d6	150	128	85		30 (15)	130 (107)
		Nitrobenzene-d5	100	95.1	95		30 (18)	130 (107)
		2-Fluorobiphenyl	100	93.5	94		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	155	103		30 (10)	130 (116)
		Terphenyl-d14	100	95.8	96		30 (10)	130 (105)
Q1194-01	B-110-SB01	2-Fluorophenol	150	87.7	58		30 (18)	130 (112)
		Phenol-d6	150	84.9	57		30 (15)	130 (107)
		Nitrobenzene-d5	100	60.0	60		30 (18)	130 (107)
		2-Fluorobiphenyl	100	59.4	59		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	81.0	54		30 (10)	130 (116)
		Terphenyl-d14	100	46.2	46		30 (10)	130 (105)
Q1194-02	B-110-SB02	2-Fluorophenol	150	73.0	49		30 (18)	130 (112)
		Phenol-d6	150	69.9	47		30 (15)	130 (107)
		Nitrobenzene-d5	100	47.9	48		30 (18)	130 (107)
		2-Fluorobiphenyl	100	46.0	46		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	61.9	41		30 (10)	130 (116)
		Terphenyl-d14	100	35.0	35		30 (10)	130 (105)
Q1194-03	B-113-SB01	2-Fluorophenol	150	110	74		30 (18)	130 (112)
		Phenol-d6	150	106	70		30 (15)	130 (107)
		Nitrobenzene-d5	100	76.3	76		30 (18)	130 (107)
		2-Fluorobiphenyl	100	74.1	74		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	107	71		30 (10)	130 (116)
		Terphenyl-d14	100	60.0	60		30 (10)	130 (105)
Q1194-04	B-113-SB02	2-Fluorophenol	150	108	72		30 (18)	130 (112)
		Phenol-d6	150	104	69		30 (15)	130 (107)
		Nitrobenzene-d5	100	72.9	73		30 (18)	130 (107)
		2-Fluorobiphenyl	100	68.9	69		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	102	68		30 (10)	130 (116)
		Terphenyl-d14	100	56.4	56		30 (10)	130 (105)
Q1194-04MS	B-113-SB02MS	2-Fluorophenol	150	93.0	62		30 (18)	130 (112)
		Phenol-d6	150	91.1	61		30 (15)	130 (107)
		Nitrobenzene-d5	100	65.2	65		30 (18)	130 (107)
		2-Fluorobiphenyl	100	61.8	62		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	92.2	61		30 (10)	130 (116)
		Terphenyl-d14	100	52.5	53		30 (10)	130 (105)
Q1194-04MSD	B-113-SB02MSD	2-Fluorophenol	150	92.8	62		30 (18)	130 (112)
		Phenol-d6	150	89.2	59		30 (15)	130 (107)
		Nitrobenzene-d5	100	64.3	64		30 (18)	130 (107)
		2-Fluorobiphenyl	100	60.9	61		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	88.9	59		30 (10)	130 (116)
		Terphenyl-d14	100	49.9	50		30 (10)	130 (105)

Surrogate Summary

SW-846

SDG No.: Q1194

Client: Portal Partners Tri-Venture

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB166339BL	PB166339BL	2-Fluorophenol	150	120	80		15 (10)	110 (139)
		Phenol-d6	150	117	78		15 (10)	110 (134)
		Nitrobenzene-d5	100	81.4	81		30 (49)	130 (133)
		2-Fluorobiphenyl	100	78.3	78		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	120	80		15 (44)	110 (137)
		Terphenyl-d14	100	81.6	82		30 (48)	130 (125)
PB166339BS	PB166339BS	2-Fluorophenol	150	136	90		15 (10)	110 (139)
		Phenol-d6	150	130	86		15 (10)	110 (134)
		Nitrobenzene-d5	100	96.4	96		30 (49)	130 (133)
		2-Fluorobiphenyl	100	94.6	95		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	152	102		15 (44)	110 (137)
		Terphenyl-d14	100	95.4	95		30 (48)	130 (125)
PB166339BSD	PB166339BSD	2-Fluorophenol	150	131	87		15 (10)	110 (139)
		Phenol-d6	150	124	83		15 (10)	110 (134)
		Nitrobenzene-d5	100	93.1	93		30 (49)	130 (133)
		2-Fluorobiphenyl	100	93.4	93		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	151	101		15 (44)	110 (137)
		Terphenyl-d14	100	96.5	96		30 (48)	130 (125)
Q1194-08	EB	2-Fluorophenol	75	25.5	34		15 (10)	110 (139)
		Phenol-d6	75	16.6	22		15 (10)	110 (134)
		Nitrobenzene-d5	50	32.2	64		30 (49)	130 (133)
		2-Fluorobiphenyl	50	32.8	66		30 (52)	130 (132)
		2,4,6-Tribromophenol	75	52.9	71		15 (44)	110 (137)
		Terphenyl-d14	50	35.1	70		30 (48)	130 (125)

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1194

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:	Q1194-04MS	Client Sample ID:	B-113-SB02MS					DataFile:	BF141352.D		
Benzaldehyde	2600	0	330	ug/Kg	13	*			20 (10)	160 (86)	
Phenol	2600	0	2100	ug/Kg	81				20 (67)	160 (126)	
bis(2-Chloroethyl)ether	2600	0	2200	ug/Kg	85				70 (54)	130 (125)	
2-Chlorophenol	2600	0	2200	ug/Kg	85				70 (79)	130 (107)	
2-Methylphenol	2600	0	2100	ug/Kg	81				70 (66)	130 (122)	
2,2-oxybis(1-Chloropropane)	2600	0	2100	ug/Kg	81				70 (65)	130 (110)	
Acetophenone	2600	0	2200	ug/Kg	85				70 (75)	130 (111)	
3+4-Methylphenols	2600	0	2200	ug/Kg	85				20 (66)	160 (104)	
N-Nitroso-di-n-propylamine	2600	0	2100	ug/Kg	81				70 (59)	130 (119)	
Hexachloroethane	2600	0	2100	ug/Kg	81				20 (65)	160 (117)	
Nitrobenzene	2600	0	2100	ug/Kg	81				70 (70)	130 (119)	
Isophorone	2600	0	2200	ug/Kg	85				70 (76)	130 (122)	
2-Nitrophenol	2600	0	2200	ug/Kg	85				70 (54)	130 (145)	
2,4-Dimethylphenol	2600	0	2600	ug/Kg	100				70 (44)	130 (135)	
bis(2-Chloroethoxy)methane	2600	0	2200	ug/Kg	85				70 (68)	130 (112)	
2,4-Dichlorophenol	2600	0	2200	ug/Kg	85				70 (72)	130 (118)	
Naphthalene	2600	0	2100	ug/Kg	81				70 (72)	130 (110)	
4-Chloroaniline	2600	0	450	ug/Kg	17	*			70 (10)	130 (91)	
Hexachlorobutadiene	2600	0	2000	ug/Kg	77				70 (66)	130 (114)	
Caprolactam	2600	0	2200	ug/Kg	85				20 (51)	160 (134)	
4-Chloro-3-methylphenol	2600	0	2200	ug/Kg	85				70 (57)	130 (132)	
2-Methylnaphthalene	2600	0	2100	ug/Kg	81				70 (59)	130 (123)	
Hexachlorocyclopentadiene	5100	0	6900	ug/Kg	135				20 (10)	160 (175)	
2,4,6-Trichlorophenol	2600	0	2200	ug/Kg	85				70 (72)	130 (117)	
2,4,5-Trichlorophenol	2600	0	2200	ug/Kg	85				70 (72)	130 (117)	
1,1-Biphenyl	2600	0	2200	ug/Kg	85				70 (75)	130 (113)	
2-Chloronaphthalene	2600	0	2100	ug/Kg	81				70 (67)	130 (118)	
2-Nitroaniline	2600	0	2200	ug/Kg	85				70 (69)	130 (127)	
Dimethylphthalate	2600	0	2300	ug/Kg	88				70 (70)	130 (113)	
Acenaphthylene	2600	0	2300	ug/Kg	88				70 (79)	130 (118)	
2,6-Dinitrotoluene	2600	0	2100	ug/Kg	81				70 (70)	130 (125)	
3-Nitroaniline	2600	0	1400	ug/Kg	54	*			70 (30)	130 (99)	
Acenaphthene	2600	0	2400	ug/Kg	92				70 (70)	130 (121)	
2,4-Dinitrophenol	5100	0	5000	ug/Kg	98				20 (10)	160 (155)	
4-Nitrophenol	5100	0	3800	ug/Kg	75				20 (45)	160 (133)	
Dibenzofuran	2600	0	2100	ug/Kg	81				70 (72)	130 (110)	
2,4-Dinitrotoluene	2600	0	2200	ug/Kg	85				70 (55)	130 (128)	
Diethylphthalate	2600	0	2200	ug/Kg	85				70 (70)	130 (112)	
4-Chlorophenyl-phenylether	2600	0	2100	ug/Kg	81				70 (71)	130 (108)	
Fluorene	2600	0	2000	ug/Kg	77				70 (68)	130 (116)	
4-Nitroaniline	2600	0	1900	ug/Kg	73				70 (55)	130 (120)	
4,6-Dinitro-2-methylphenol	2600	0	2800	ug/Kg	108				70 (10)	130 (160)	
N-Nitrosodiphenylamine	2600	0	2500	ug/Kg	96				70 (73)	130 (118)	
4-Bromophenyl-phenylether	2600	0	2400	ug/Kg	92				70 (65)	130 (121)	
Hexachlorobenzene	2600	0	2300	ug/Kg	88				70 (67)	130 (118)	
Atrazine	2600	0	2400	ug/Kg	92				70 (79)	130 (127)	

() = LABORATORY INHOUSE LIMIT

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1194

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	5100	0	4300	ug/Kg	84				20 (47)	160 (128)	
Phenanthrene	2600	0	2200	ug/Kg	85				70 (52)	130 (128)	
Anthracene	2600	0	2300	ug/Kg	88				70 (62)	130 (124)	
Carbazole	2600	0	2100	ug/Kg	81				70 (59)	130 (119)	
Di-n-butylphthalate	2600	0	2400	ug/Kg	92				70 (69)	130 (118)	
Fluoranthene	2600	0	2000	ug/Kg	77				70 (44)	130 (125)	
Pyrene	2600	0	1800	ug/Kg	69	*			70 (26)	130 (142)	
Butylbenzylphthalate	2600	0	2100	ug/Kg	81				70 (64)	130 (126)	
3,3-Dichlorobenzidine	2600	0	1500	ug/Kg	58	*			70 (33)	130 (116)	
Benzo(a)anthracene	2600	0	2100	ug/Kg	81				70 (71)	130 (114)	
Chrysene	2600	0	2300	ug/Kg	88				70 (57)	130 (121)	
bis(2-Ethylhexyl)phthalate	2600	0	2200	ug/Kg	85				70 (42)	130 (169)	
Di-n-octyl phthalate	2600	0	2600	ug/Kg	100				70 (23)	130 (175)	
Benzo(b)fluoranthene	2600	0	2400	ug/Kg	92				70 (67)	130 (121)	
Benzo(k)fluoranthene	2600	0	2400	ug/Kg	92				70 (57)	130 (134)	
Benzo(a)pyrene	2600	0	2500	ug/Kg	96				70 (70)	130 (142)	
Indeno(1,2,3-cd)pyrene	2600	0	1800	ug/Kg	69	*			70 (40)	130 (129)	
Dibenz(a,h)anthracene	2600	0	1800	ug/Kg	69	*			70 (43)	130 (123)	
Benzo(g,h,i)perylene	2600	0	1500	ug/Kg	58	*			70 (24)	130 (125)	
1,2,4,5-Tetrachlorobenzene	2600	0	2200	ug/Kg	85				70 (69)	130 (124)	
1,4-Dioxane	2600	0	1900	ug/Kg	73				20 (46)	160 (112)	
2,3,4,6-Tetrachlorophenol	2600	0	2300	ug/Kg	88				70 (69)	130 (112)	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1194

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:	Q1194-04MSD	Client Sample ID:	B-113-SB02MSD					DataFile:	BF141353.D		
Benzaldehyde	2600	0	330	ug/Kg	13	*	0		20 (10)	160 (86)	30 (20)
Phenol	2600	0	2100	ug/Kg	81		0		20 (67)	160 (126)	30 (20)
bis(2-Chloroethyl)ether	2600	0	2200	ug/Kg	85		0		70 (54)	130 (125)	30 (20)
2-Chlorophenol	2600	0	2200	ug/Kg	85		0		70 (79)	130 (107)	30 (20)
2-Methylphenol	2600	0	2000	ug/Kg	77		5		70 (66)	130 (122)	30 (20)
2,2-oxybis(1-Chloropropane)	2600	0	2100	ug/Kg	81		0		70 (65)	130 (110)	30 (20)
Acetophenone	2600	0	2100	ug/Kg	81		5		70 (75)	130 (111)	30 (20)
3+4-Methylphenols	2600	0	2200	ug/Kg	85		0		20 (66)	160 (104)	30 (20)
N-Nitroso-di-n-propylamine	2600	0	2100	ug/Kg	81		0		70 (59)	130 (119)	30 (20)
Hexachloroethane	2600	0	2100	ug/Kg	81		0		20 (65)	160 (117)	30 (20)
Nitrobenzene	2600	0	2100	ug/Kg	81		0		70 (70)	130 (119)	30 (20)
Isophorone	2600	0	2200	ug/Kg	85		0		70 (76)	130 (122)	30 (20)
2-Nitrophenol	2600	0	2200	ug/Kg	85		0		70 (54)	130 (145)	30 (20)
2,4-Dimethylphenol	2600	0	2600	ug/Kg	100		0		70 (44)	130 (135)	30 (20)
bis(2-Chloroethoxy)methane	2600	0	2100	ug/Kg	81		5		70 (68)	130 (112)	30 (20)
2,4-Dichlorophenol	2600	0	2200	ug/Kg	85		0		70 (72)	130 (118)	30 (20)
Naphthalene	2600	0	2000	ug/Kg	77		5		70 (72)	130 (110)	30 (20)
4-Chloroaniline	2600	0	600	ug/Kg	23	*	30		70 (10)	130 (91)	30 (20)
Hexachlorobutadiene	2600	0	2000	ug/Kg	77		0		70 (66)	130 (114)	30 (20)
Caprolactam	2600	0	2100	ug/Kg	81		5		20 (51)	160 (134)	30 (20)
4-Chloro-3-methylphenol	2600	0	2100	ug/Kg	81		5		70 (57)	130 (132)	30 (20)
2-Methylnaphthalene	2600	0	2100	ug/Kg	81		0		70 (59)	130 (123)	30 (20)
Hexachlorocyclopentadiene	5100	0	6600	ug/Kg	129		5		20 (10)	160 (175)	30 (20)
2,4,6-Trichlorophenol	2600	0	2200	ug/Kg	85		0		70 (72)	130 (117)	30 (20)
2,4,5-Trichlorophenol	2600	0	2100	ug/Kg	81		5		70 (72)	130 (117)	30 (20)
1,1-Biphenyl	2600	0	2100	ug/Kg	81		5		70 (75)	130 (113)	30 (20)
2-Chloronaphthalene	2600	0	2000	ug/Kg	77		5		70 (67)	130 (118)	30 (20)
2-Nitroaniline	2600	0	2200	ug/Kg	85		0		70 (69)	130 (127)	30 (20)
Dimethylphthalate	2600	0	2200	ug/Kg	85		3		70 (70)	130 (113)	30 (20)
Acenaphthylene	2600	0	2200	ug/Kg	85		3		70 (79)	130 (118)	30 (20)
2,6-Dinitrotoluene	2600	0	2100	ug/Kg	81		0		70 (70)	130 (125)	30 (20)
3-Nitroaniline	2600	0	1400	ug/Kg	54	*	0		70 (30)	130 (99)	30 (20)
Acenaphthene	2600	0	2300	ug/Kg	88		4		70 (70)	130 (121)	30 (20)
2,4-Dinitrophenol	5100	0	4800	ug/Kg	94		4		20 (10)	160 (155)	30 (20)
4-Nitrophenol	5100	0	3600	ug/Kg	71		5		20 (45)	160 (133)	30 (20)
Dibenzofuran	2600	0	2100	ug/Kg	81		0		70 (72)	130 (110)	30 (20)
2,4-Dinitrotoluene	2600	0	2100	ug/Kg	81		5		70 (55)	130 (128)	30 (20)
Diethylphthalate	2600	0	2200	ug/Kg	85		0		70 (70)	130 (112)	30 (20)
4-Chlorophenyl-phenylether	2600	0	2000	ug/Kg	77		5		70 (71)	130 (108)	30 (20)
Fluorene	2600	0	2000	ug/Kg	77		0		70 (68)	130 (116)	30 (20)
4-Nitroaniline	2600	0	1900	ug/Kg	73		0		70 (55)	130 (120)	30 (20)
4,6-Dinitro-2-methylphenol	2600	0	2700	ug/Kg	104		4		70 (10)	130 (160)	30 (20)
N-Nitrosodiphenylamine	2600	0	2400	ug/Kg	92		4		70 (73)	130 (118)	30 (20)
4-Bromophenyl-phenylether	2600	0	2400	ug/Kg	92		0		70 (65)	130 (121)	30 (20)
Hexachlorobenzene	2600	0	2300	ug/Kg	88		0		70 (67)	130 (118)	30 (20)
Atrazine	2600	0	2300	ug/Kg	88		4		70 (79)	130 (127)	30 (20)

() = LABORATORY INHOUSE LIMIT

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1194

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	5100	0	4100	ug/Kg	80		5		20 (47)	160 (128)	30 (20)
Phenanthrene	2600	0	2200	ug/Kg	85		0		70 (52)	130 (128)	30 (20)
Anthracene	2600	0	2300	ug/Kg	88		0		70 (62)	130 (124)	30 (20)
Carbazole	2600	0	2000	ug/Kg	77		5		70 (59)	130 (119)	30 (20)
Di-n-butylphthalate	2600	0	2300	ug/Kg	88		4		70 (69)	130 (118)	30 (20)
Fluoranthene	2600	0	2000	ug/Kg	77		0		70 (44)	130 (125)	30 (20)
Pyrene	2600	0	1700	ug/Kg	65	*	6		70 (26)	130 (142)	30 (20)
Butylbenzylphthalate	2600	0	2000	ug/Kg	77		5		70 (64)	130 (126)	30 (20)
3,3-Dichlorobenzidine	2600	0	1600	ug/Kg	62	*	7		70 (33)	130 (116)	30 (20)
Benzo(a)anthracene	2600	0	2000	ug/Kg	77		5		70 (71)	130 (114)	30 (20)
Chrysene	2600	0	2200	ug/Kg	85		3		70 (57)	130 (121)	30 (20)
bis(2-Ethylhexyl)phthalate	2600	0	2100	ug/Kg	81		5		70 (42)	130 (169)	30 (20)
Di-n-octyl phthalate	2600	0	2500	ug/Kg	96		4		70 (23)	130 (175)	30 (20)
Benzo(b)fluoranthene	2600	0	2200	ug/Kg	85		8		70 (67)	130 (121)	30 (20)
Benzo(k)fluoranthene	2600	0	2600	ug/Kg	100		8		70 (57)	130 (134)	30 (20)
Benzo(a)pyrene	2600	0	2400	ug/Kg	92		4		70 (70)	130 (142)	30 (20)
Indeno(1,2,3-cd)pyrene	2600	0	1800	ug/Kg	69	*	0		70 (40)	130 (129)	30 (20)
Dibenz(a,h)anthracene	2600	0	1800	ug/Kg	69	*	0		70 (43)	130 (123)	30 (20)
Benzo(g,h,i)perylene	2600	0	1500	ug/Kg	58	*	0		70 (24)	130 (125)	30 (20)
1,2,4,5-Tetrachlorobenzene	2600	0	2100	ug/Kg	81		5		70 (69)	130 (124)	30 (20)
1,4-Dioxane	2600	0	1900	ug/Kg	73		0		20 (46)	160 (112)	30 (20)
2,3,4,6-Tetrachlorophenol	2600	0	2200	ug/Kg	85		3		70 (69)	130 (112)	30 (20)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1194

Client: Portal Partners Tri-Venture

Analytical Method: 8270E

DataFile: BF141439.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Limits		RPD
							Qual	Qual	Low	High	
PB166294BS	Benzaldehyde	1700	200	ug/Kg	12		*		20 (10)	160 (133)	
	Phenol	1700	1500	ug/Kg	88				20 (62)	160 (112)	
	bis(2-Chloroethyl)ether	1700	1500	ug/Kg	88				70 (60)	130 (101)	
	2-Chlorophenol	1700	1600	ug/Kg	94				70 (65)	130 (112)	
	2-Methylphenol	1700	1500	ug/Kg	88				70 (61)	130 (108)	
	2,2-oxybis(1-Chloropropane)	1700	1400	ug/Kg	82				70 (51)	130 (100)	
	Acetophenone	1700	1600	ug/Kg	94				70 (66)	130 (98)	
	3+4-Methylphenols	1700	1600	ug/Kg	94				20 (58)	160 (111)	
	N-Nitroso-di-n-propylamine	1700	1600	ug/Kg	94				70 (63)	130 (95)	
	Hexachloroethane	1700	1600	ug/Kg	94				20 (72)	160 (108)	
	Nitrobenzene	1700	1500	ug/Kg	88				70 (57)	130 (101)	
	Isophorone	1700	1600	ug/Kg	94				70 (59)	130 (99)	
	2-Nitrophenol	1700	1600	ug/Kg	94				70 (61)	130 (111)	
	2,4-Dimethylphenol	1700	1800	ug/Kg	106				70 (46)	130 (141)	
	bis(2-Chloroethoxy)methane	1700	1500	ug/Kg	88				70 (66)	130 (97)	
	2,4-Dichlorophenol	1700	1600	ug/Kg	94				70 (62)	130 (107)	
	Naphthalene	1700	1500	ug/Kg	88				70 (62)	130 (100)	
	4-Chloroaniline	1700	720	ug/Kg	42		*		70 (16)	130 (100)	
	Hexachlorobutadiene	1700	1600	ug/Kg	94				70 (53)	130 (98)	
	Caprolactam	1700	1500	ug/Kg	88				20 (67)	160 (110)	
	4-Chloro-3-methylphenol	1700	1600	ug/Kg	94				70 (58)	130 (112)	
	2-Methylnaphthalene	1700	1600	ug/Kg	94				70 (60)	130 (104)	
	Hexachlorocyclopentadiene	3300	6100	ug/Kg	185		*		20 (45)	160 (165)	
	2,4,6-Trichlorophenol	1700	1600	ug/Kg	94				70 (59)	130 (102)	
	2,4,5-Trichlorophenol	1700	1600	ug/Kg	94				70 (61)	130 (98)	
	1,1-Biphenyl	1700	1500	ug/Kg	88				70 (57)	130 (103)	
	2-Chloronaphthalene	1700	1500	ug/Kg	88				70 (58)	130 (99)	
	2-Nitroaniline	1700	1600	ug/Kg	94				70 (66)	130 (101)	
	Dimethylphthalate	1700	1600	ug/Kg	94				70 (61)	130 (99)	
	Acenaphthylene	1700	1600	ug/Kg	94				70 (63)	130 (101)	
	2,6-Dinitrotoluene	1700	1500	ug/Kg	88				70 (61)	130 (104)	
	3-Nitroaniline	1700	900	ug/Kg	53		*		70 (28)	130 (100)	
	Acenaphthene	1700	1800	ug/Kg	106				70 (57)	130 (104)	
	2,4-Dinitrophenol	3300	3800	ug/Kg	115				20 (37)	160 (128)	
	4-Nitrophenol	3300	3400	ug/Kg	103				20 (48)	160 (119)	
	Dibenzofuran	1700	1600	ug/Kg	94				70 (63)	130 (99)	
	2,4-Dinitrotoluene	1700	1600	ug/Kg	94				70 (60)	130 (106)	
	Diethylphthalate	1700	1600	ug/Kg	94				70 (60)	130 (101)	
	4-Chlorophenyl-phenylether	1700	1600	ug/Kg	94				70 (58)	130 (98)	
	Fluorene	1700	1600	ug/Kg	94				70 (61)	130 (101)	
	4-Nitroaniline	1700	1600	ug/Kg	94				70 (64)	130 (103)	
	4,6-Dinitro-2-methylphenol	1700	1900	ug/Kg	112				70 (76)	130 (113)	
	N-Nitrosodiphenylamine	1700	1600	ug/Kg	94				70 (71)	130 (99)	
	4-Bromophenyl-phenylether	1700	1600	ug/Kg	94				70 (66)	130 (102)	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1194

Client: Portal Partners Tri-Venture

Analytical Method: 8270E

DataFile: BF141439.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB166294BS	Hexachlorobenzene	1700	1600	ug/Kg	94				70 (64)	130 (98)	
	Atrazine	1700	1700	ug/Kg	100				70 (47)	130 (152)	
	Pentachlorophenol	3300	3400	ug/Kg	103				20 (67)	160 (105)	
	Phenanthrene	1700	1700	ug/Kg	100				70 (59)	130 (103)	
	Anthracene	1700	1800	ug/Kg	106				70 (61)	130 (105)	
	Carbazole	1700	1800	ug/Kg	106				70 (61)	130 (99)	
	Di-n-butylphthalate	1700	1700	ug/Kg	100				70 (58)	130 (104)	
	Fluoranthene	1700	1800	ug/Kg	106				70 (57)	130 (107)	
	Pyrene	1700	1500	ug/Kg	88				70 (59)	130 (103)	
	Butylbenzylphthalate	1700	1700	ug/Kg	100				70 (55)	130 (103)	
	3,3-Dichlorobenzidine	1700	800	ug/Kg	47		*		70 (42)	130 (91)	
	Benzo(a)anthracene	1700	1600	ug/Kg	94				70 (60)	130 (102)	
	Chrysene	1700	1600	ug/Kg	94				70 (59)	130 (101)	
	bis(2-Ethylhexyl)phthalate	1700	1700	ug/Kg	100				70 (54)	130 (135)	
	Di-n-octyl phthalate	1700	1600	ug/Kg	94				70 (52)	130 (137)	
	Benzo(b)fluoranthene	1700	1600	ug/Kg	94				70 (62)	130 (109)	
	Benzo(k)fluoranthene	1700	1700	ug/Kg	100				70 (62)	130 (109)	
	Benzo(a)pyrene	1700	1800	ug/Kg	106				70 (63)	130 (103)	
	Indeno(1,2,3-cd)pyrene	1700	1700	ug/Kg	100				70 (63)	130 (101)	
	Dibenz(a,h)anthracene	1700	1700	ug/Kg	100				70 (61)	130 (112)	
	Benzo(g,h,i)perylene	1700	1500	ug/Kg	88				70 (70)	130 (108)	
	1,2,4,5-Tetrachlorobenzene	1700	1600	ug/Kg	94				70 (53)	130 (101)	
	1,4-Dioxane	1700	1200	ug/Kg	71				20 (50)	160 (96)	
	2,3,4,6-Tetrachlorophenol	1700	1700	ug/Kg	100				70 (59)	130 (108)	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1194

Client: Portal Partners Tri-Venture

Analytical Method: 8270E

DataFile: BF141442.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Limits		RPD
							Qual	Qual	Low	High	
PB166339BS	Benzaldehyde	50	6.70	ug/L	13		*		20 (10)	160 (162)	
	Phenol	50	46.5	ug/L	93				20 (66)	160 (118)	
	bis(2-Chloroethyl)ether	50	45.8	ug/L	92				70 (62)	130 (103)	
	2-Chlorophenol	50	49.1	ug/L	98				70 (70)	130 (117)	
	2-Methylphenol	50	46.5	ug/L	93				70 (69)	130 (109)	
	2,2-oxybis(1-Chloropropane)	50	45.0	ug/L	90				70 (65)	130 (100)	
	Acetophenone	50	50.6	ug/L	101				70 (60)	130 (104)	
	3+4-Methylphenols	50	49.1	ug/L	98				20 (67)	160 (106)	
	N-Nitroso-di-n-propylamine	50	47.5	ug/L	95				70 (57)	130 (107)	
	Hexachloroethane	50	49.7	ug/L	99				20 (76)	160 (118)	
	Nitrobenzene	50	47.1	ug/L	94				70 (58)	130 (106)	
	Isophorone	50	48.6	ug/L	97				70 (61)	130 (102)	
	2-Nitrophenol	50	50.1	ug/L	100				70 (70)	130 (115)	
	2,4-Dimethylphenol	50	56.9	ug/L	114				70 (42)	130 (142)	
	bis(2-Chloroethoxy)methane	50	45.9	ug/L	92				70 (58)	130 (109)	
	2,4-Dichlorophenol	50	49.0	ug/L	98				70 (66)	130 (115)	
	Naphthalene	50	48.3	ug/L	97				70 (64)	130 (107)	
	4-Chloroaniline	50	19.6	ug/L	39		*		70 (10)	130 (85)	
	Hexachlorobutadiene	50	51.1	ug/L	102				70 (69)	130 (101)	
	Caprolactam	50	46.8	ug/L	94				20 (58)	160 (128)	
	4-Chloro-3-methylphenol	50	50.7	ug/L	101				70 (65)	130 (114)	
	2-Methylnaphthalene	50	48.7	ug/L	97				70 (64)	130 (107)	
	Hexachlorocyclopentadiene	100	190	ug/L	190		*		20 (36)	160 (160)	
	2,4,6-Trichlorophenol	50	49.0	ug/L	98				70 (61)	130 (110)	
	2,4,5-Trichlorophenol	50	48.0	ug/L	96				70 (70)	130 (106)	
	1,1-Biphenyl	50	47.5	ug/L	95				70 (72)	130 (98)	
	2-Chloronaphthalene	50	45.9	ug/L	92				70 (59)	130 (106)	
	2-Nitroaniline	50	50.6	ug/L	101				70 (73)	130 (114)	
	Dimethylphthalate	50	48.7	ug/L	97				70 (64)	130 (103)	
	Acenaphthylene	50	50.8	ug/L	102				70 (79)	130 (103)	
	2,6-Dinitrotoluene	50	47.3	ug/L	95				70 (64)	130 (110)	
	3-Nitroaniline	50	26.4	ug/L	53		*		70 (28)	130 (100)	
	Acenaphthene	50	55.1	ug/L	110				70 (59)	130 (113)	
	2,4-Dinitrophenol	100	110	ug/L	110				20 (36)	160 (166)	
	4-Nitrophenol	100	110	ug/L	110				20 (45)	160 (147)	
	Dibenzofuran	50	49.0	ug/L	98				70 (65)	130 (106)	
	2,4-Dinitrotoluene	50	51.2	ug/L	102				70 (60)	130 (115)	
	Diethylphthalate	50	49.7	ug/L	99				70 (63)	130 (105)	
	4-Chlorophenyl-phenylether	50	49.6	ug/L	99				70 (61)	130 (104)	
	Fluorene	50	50.4	ug/L	101				70 (64)	130 (107)	
	4-Nitroaniline	50	49.3	ug/L	99				70 (55)	130 (125)	
	4,6-Dinitro-2-methylphenol	50	59.5	ug/L	119				70 (62)	130 (132)	
	N-Nitrosodiphenylamine	50	49.5	ug/L	99				70 (61)	130 (109)	
	4-Bromophenyl-phenylether	50	48.9	ug/L	98				70 (73)	130 (103)	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1194

Client: Portal Partners Tri-Venture

Analytical Method: 8270E

DataFile: BF141442.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Limits		RPD
							Qual	Qual	Low	High	
PB166339BS	Hexachlorobenzene	50	49.7	ug/L	99				70 (73)	130 (106)	
	Atrazine	50	52.3	ug/L	105				70 (76)	130 (120)	
	Pentachlorophenol	100	100	ug/L	100				20 (47)	160 (114)	
	Phenanthrene	50	52.0	ug/L	104				70 (62)	130 (109)	
	Anthracene	50	54.5	ug/L	109				70 (65)	130 (110)	
	Carbazole	50	53.8	ug/L	108				70 (62)	130 (106)	
	Di-n-butylphthalate	50	51.5	ug/L	103				70 (64)	130 (106)	
	Fluoranthene	50	55.4	ug/L	111				70 (64)	130 (110)	
	Pyrene	50	46.4	ug/L	93				70 (71)	130 (103)	
	Butylbenzylphthalate	50	50.3	ug/L	101				70 (61)	130 (105)	
	3,3-Dichlorobenzidine	50	23.2	ug/L	46		*		70 (43)	130 (108)	
	Benzo(a)anthracene	50	48.6	ug/L	97				70 (62)	130 (107)	
	Chrysene	50	50.3	ug/L	101				70 (61)	130 (108)	
	bis(2-Ethylhexyl)phthalate	50	50.4	ug/L	101				70 (59)	130 (110)	
	Di-n-octyl phthalate	50	49.5	ug/L	99				70 (52)	130 (139)	
	Benzo(b)fluoranthene	50	50.8	ug/L	102				70 (77)	130 (113)	
	Benzo(k)fluoranthene	50	53.6	ug/L	107				70 (77)	130 (105)	
	Benzo(a)pyrene	50	55.2	ug/L	110				70 (72)	130 (131)	
	Indeno(1,2,3-cd)pyrene	50	52.5	ug/L	105				70 (72)	130 (105)	
	Dibenz(a,h)anthracene	50	52.3	ug/L	105				70 (78)	130 (115)	
	Benzo(g,h,i)perylene	50	46.9	ug/L	94				70 (75)	130 (118)	
	1,2,4,5-Tetrachlorobenzene	50	49.1	ug/L	98				70 (72)	130 (101)	
	1,4-Dioxane	50	38.0	ug/L	76				20 (38)	160 (125)	
	2,3,4,6-Tetrachlorophenol	50	54.4	ug/L	109				70 (63)	130 (116)	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1194

Client: Portal Partners Tri-Venture

Analytical Method: 8270E

DataFile: BF141443.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Limits		
							Qual	Qual	Low	High	RPD
PB166339BSD	Benzaldehyde	50	6.20	ug/L	12	8	*		20 (10)	160 (162)	20 (20)
	Phenol	50	43.9	ug/L	88	6			20 (66)	160 (118)	20 (20)
	bis(2-Chloroethyl)ether	50	44.1	ug/L	88	4			70 (62)	130 (103)	20 (20)
	2-Chlorophenol	50	47.7	ug/L	95	3			70 (70)	130 (117)	20 (20)
	2-Methylphenol	50	44.4	ug/L	89	5			70 (69)	130 (109)	20 (20)
	2,2-oxybis(1-Chloropropane)	50	43.0	ug/L	86	5			70 (65)	130 (100)	20 (20)
	Acetophenone	50	50.0	ug/L	100	1			70 (60)	130 (104)	20 (20)
	3+4-Methylphenols	50	47.3	ug/L	95	4			20 (67)	160 (106)	20 (20)
	N-Nitroso-di-n-propylamine	50	46.6	ug/L	93	2			70 (57)	130 (107)	20 (20)
	Hexachloroethane	50	47.0	ug/L	94	6			20 (76)	160 (118)	20 (20)
	Nitrobenzene	50	45.5	ug/L	91	3			70 (58)	130 (106)	20 (20)
	Isophorone	50	47.5	ug/L	95	2			70 (61)	130 (102)	20 (20)
	2-Nitrophenol	50	47.8	ug/L	96	5			70 (70)	130 (115)	20 (20)
	2,4-Dimethylphenol	50	54.9	ug/L	110	4			70 (42)	130 (142)	20 (20)
	bis(2-Chloroethoxy)methane	50	44.5	ug/L	89	3			70 (58)	130 (109)	20 (20)
	2,4-Dichlorophenol	50	48.0	ug/L	96	2			70 (66)	130 (115)	20 (20)
	Naphthalene	50	46.2	ug/L	92	4			70 (64)	130 (107)	20 (20)
	4-Chloroaniline	50	18.4	ug/L	37	6	*		70 (10)	130 (85)	20 (20)
	Hexachlorobutadiene	50	49.5	ug/L	99	3			70 (69)	130 (101)	20 (20)
	Caprolactam	50	46.3	ug/L	93	1			20 (58)	160 (128)	20 (20)
	4-Chloro-3-methylphenol	50	49.1	ug/L	98	3			70 (65)	130 (114)	20 (20)
	2-Methylnaphthalene	50	47.4	ug/L	95	3			70 (64)	130 (107)	20 (20)
	Hexachlorocyclopentadiene	100	190	ug/L	190	0	*		20 (36)	160 (160)	20 (20)
	2,4,6-Trichlorophenol	50	48.2	ug/L	96	2			70 (61)	130 (110)	20 (20)
	2,4,5-Trichlorophenol	50	46.8	ug/L	94	3			70 (70)	130 (106)	20 (20)
	1,1-Biphenyl	50	46.8	ug/L	94	1			70 (72)	130 (98)	20 (20)
	2-Chloronaphthalene	50	45.6	ug/L	91	1			70 (59)	130 (106)	20 (20)
	2-Nitroaniline	50	49.7	ug/L	99	2			70 (73)	130 (114)	20 (20)
	Dimethylphthalate	50	48.6	ug/L	97	0			70 (64)	130 (103)	20 (20)
	Acenaphthylene	50	50.0	ug/L	100	2			70 (79)	130 (103)	20 (20)
	2,6-Dinitrotoluene	50	46.6	ug/L	93	1			70 (64)	130 (110)	20 (20)
	3-Nitroaniline	50	26.8	ug/L	54	2	*		70 (28)	130 (100)	20 (20)
	Acenaphthene	50	54.4	ug/L	109	1			70 (59)	130 (113)	20 (20)
	2,4-Dinitrophenol	100	110	ug/L	110	0			20 (36)	160 (166)	20 (20)
	4-Nitrophenol	100	100	ug/L	100	10			20 (45)	160 (147)	20 (20)
	Dibenzofuran	50	48.6	ug/L	97	1			70 (65)	130 (106)	20 (20)
	2,4-Dinitrotoluene	50	50.0	ug/L	100	2			70 (60)	130 (115)	20 (20)
	Diethylphthalate	50	49.2	ug/L	98	1			70 (63)	130 (105)	20 (20)
	4-Chlorophenyl-phenylether	50	49.2	ug/L	98	1			70 (61)	130 (104)	20 (20)
	Fluorene	50	49.5	ug/L	99	2			70 (64)	130 (107)	20 (20)
	4-Nitroaniline	50	48.0	ug/L	96	3			70 (55)	130 (125)	20 (20)
	4,6-Dinitro-2-methylphenol	50	57.0	ug/L	114	4			70 (62)	130 (132)	20 (20)
	N-Nitrosodiphenylamine	50	49.6	ug/L	99	0			70 (61)	130 (109)	20 (20)
	4-Bromophenyl-phenylether	50	48.9	ug/L	98	0			70 (73)	130 (103)	20 (20)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1194

Client: Portal Partners Tri-Venture

Analytical Method: 8270E

DataFile: BF141443.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Limits		
							Qual	Qual	Low	High	RPD
PB166339BSD	Hexachlorobenzene	50	49.0	ug/L	98	1			70 (73)	130 (106)	20 (20)
	Atrazine	50	52.1	ug/L	104	0			70 (76)	130 (120)	20 (20)
	Pentachlorophenol	100	100	ug/L	100	0			20 (47)	160 (114)	20 (20)
	Phenanthrene	50	51.8	ug/L	104	0			70 (62)	130 (109)	20 (20)
	Anthracene	50	54.1	ug/L	108	1			70 (65)	130 (110)	20 (20)
	Carbazole	50	53.1	ug/L	106	1			70 (62)	130 (106)	20 (20)
	Di-n-butylphthalate	50	51.4	ug/L	103	0			70 (64)	130 (106)	20 (20)
	Fluoranthene	50	55.3	ug/L	111	0			70 (64)	130 (110)	20 (20)
	Pyrene	50	46.5	ug/L	93	0			70 (71)	130 (103)	20 (20)
	Butylbenzylphthalate	50	50.5	ug/L	101	0			70 (61)	130 (105)	20 (20)
	3,3-Dichlorobenzidine	50	23.5	ug/L	47	1	*		70 (43)	130 (108)	20 (20)
	Benzo(a)anthracene	50	47.2	ug/L	94	3			70 (62)	130 (107)	20 (20)
	Chrysene	50	49.2	ug/L	98	2			70 (61)	130 (108)	20 (20)
	bis(2-Ethylhexyl)phthalate	50	50.1	ug/L	100	1			70 (59)	130 (110)	20 (20)
	Di-n-octyl phthalate	50	48.4	ug/L	97	2			70 (52)	130 (139)	20 (20)
	Benzo(b)fluoranthene	50	46.4	ug/L	93	9			70 (77)	130 (113)	20 (20)
	Benzo(k)fluoranthene	50	52.7	ug/L	105	2			70 (77)	130 (105)	20 (20)
	Benzo(a)pyrene	50	53.1	ug/L	106	4			70 (72)	130 (131)	20 (20)
	Indeno(1,2,3-cd)pyrene	50	50.7	ug/L	101	3			70 (72)	130 (105)	20 (20)
	Dibenz(a,h)anthracene	50	50.2	ug/L	100	4			70 (78)	130 (115)	20 (20)
	Benzo(g,h,i)perylene	50	45.0	ug/L	90	4			70 (75)	130 (118)	20 (20)
	1,2,4,5-Tetrachlorobenzene	50	48.6	ug/L	97	1			70 (72)	130 (101)	20 (20)
	1,4-Dioxane	50	37.0	ug/L	74	3			20 (38)	160 (125)	20 (20)
	2,3,4,6-Tetrachlorophenol	50	53.4	ug/L	107	2			70 (63)	130 (116)	20 (20)

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB166294BL

Lab Name: CHEMTECH

Contract: PORT06

Lab Code: CHEM Case No.: Q1194

SAS No.: Q1194 SDG NO.: Q1194

Lab File ID: BF141408.D

Lab Sample ID: PB166294BL

Instrument ID: BNA_F

Date Extracted: 01/28/2025

Matrix: (soil/water) SOIL

Date Analyzed: 02/04/2025

Level: (low/med) LOW

Time Analyzed: 15:06

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
B-113-SB01	Q1194-03	BF141424.D	02/04/2025
PB166294BS	PB166294BS	BF141439.D	02/05/2025
B-110-SB01	Q1194-01	BF141349.D	01/31/2025
B-110-SB02	Q1194-02	BF141350.D	01/31/2025
B-113-SB02	Q1194-04	BF141351.D	02/01/2025
B-113-SB02MS	Q1194-04MS	BF141352.D	02/01/2025
B-113-SB02MSD	Q1194-04MSD	BF141353.D	02/01/2025

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB166339BL

Lab Name: CHEMTECH

Contract: PORT06

Lab Code: CHEM Case No.: Q1194

SAS No.: Q1194 SDG NO.: Q1194

Lab File ID: BF141312.D

Lab Sample ID: PB166339BL

Instrument ID: BNA_F

Date Extracted: 01/29/2025

Matrix: (soil/water) Water

Date Analyzed: 01/30/2025

Level: (low/med) LOW

Time Analyzed: 14:32

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
EB	Q1194-08	BF141367.D	02/03/2025
PB166339BS	PB166339BS	BF141442.D	02/05/2025
PB166339BSD	PB166339BSD	BF141443.D	02/05/2025

COMMENTS: _____



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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: PORT06Lab Code: CHEMSAS No.: Q1194 SDG NO.: Q1194Lab File ID: BF141289.DDFTPP Injection Date: 01/29/2025Instrument ID: BNA_FDFTPP Injection Time: 10:03

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	41.1
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	35.1
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	47.1
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	6.6
275	10.0 - 60.0% of mass 198	26.5
365	Greater than 1% of mass 198	3.2
441	Present, but less than mass 443	13.5
442	Greater than 50% of mass 198	83.6
443	15.0 - 24.0% of mass 442	16.2 (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	BF141290.D	01/29/2025	10:30
SSTDICC005	SSTDICC005	BF141291.D	01/29/2025	10:56
SSTDICC010	SSTDICC010	BF141292.D	01/29/2025	11:49
SSTDICC020	SSTDICC020	BF141293.D	01/29/2025	15:17
SSTDICCC040	SSTDICCC040	BF141294.D	01/29/2025	15:45
SSTDICC050	SSTDICC050	BF141295.D	01/29/2025	16:11
SSTDICC060	SSTDICC060	BF141296.D	01/29/2025	16:38
SSTDICC080	SSTDICC080	BF141297.D	01/29/2025	17:05



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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: PORT06Lab Code: CHEMSAS No.: Q1194 SDG NO.: Q1194Lab File ID: BF141300.DDFTPP Injection Date: 01/30/2025Instrument ID: BNA_FDFTPP Injection Time: 08:28

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	45
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	37.4
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	49.1
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	6.8
275	10.0 - 60.0% of mass 198	25.8
365	Greater than 1% of mass 198	3
441	Present, but less than mass 443	11.5
442	Greater than 50% of mass 198	72.8
443	15.0 - 24.0% of mass 442	14.4 (19.8) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF141301.D	01/30/2025	08:54
PB166339BL	PB166339BL	BF141312.D	01/30/2025	14:32



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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: PORT06Lab Code: CHEMSAS No.: Q1194 SDG NO.: Q1194Lab File ID: BF141335.DDFTPP Injection Date: 01/31/2025Instrument ID: BNA_FDFTPP Injection Time: 16:53

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	46.2
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	38.1
70	Less than 2.0% of mass 69	0.3 (0.7) 1
127	10.0 - 80.0% of mass 198	49
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	6.8
275	10.0 - 60.0% of mass 198	25.8
365	Greater than 1% of mass 198	2.8
441	Present, but less than mass 443	11.7
442	Greater than 50% of mass 198	74.1
443	15.0 - 24.0% of mass 442	14.6 (19.7) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF141336.D	01/31/2025	17:19
B-110-SB01	Q1194-01	BF141349.D	01/31/2025	23:10
B-110-SB02	Q1194-02	BF141350.D	01/31/2025	23:37
B-113-SB02	Q1194-04	BF141351.D	02/01/2025	00:03
B-113-SB02MS	Q1194-04MS	BF141352.D	02/01/2025	00:30
B-113-SB02MSD	Q1194-04MSD	BF141353.D	02/01/2025	00:57



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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: PORT06Lab Code: CHEMSAS No.: Q1194 SDG NO.: Q1194Lab File ID: BF141360.DDFTPP Injection Date: 02/03/2025Instrument ID: BNA_FDFTPP Injection Time: 09:53

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	43.2
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 (0.7) 1
127	10.0 - 80.0% of mass 198	47.9
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	25.7
365	Greater than 1% of mass 198	3.2
441	Present, but less than mass 443	12.3
442	Greater than 50% of mass 198	77.3
443	15.0 - 24.0% of mass 442	14.4 (18.6) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF141361.D	02/03/2025	11:24
EB	Q1194-08	BF141367.D	02/03/2025	14:08



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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: PORT06Lab Code: CHEMSAS No.: Q1194 SDG NO.: Q1194Lab File ID: BF141397.DDFTPP Injection Date: 02/04/2025Instrument ID: BNA_FDFTPP Injection Time: 10:16

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	43.3
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	38.1
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	49.4
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	6.8
275	10.0 - 60.0% of mass 198	26.5
365	Greater than 1% of mass 198	3
441	Present, but less than mass 443	12.2
442	Greater than 50% of mass 198	73.2
443	15.0 - 24.0% of mass 442	14.4 (19.7) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF141398.D	02/04/2025	10:42
PB166294BL	PB166294BL	BF141408.D	02/04/2025	15:06



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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: PORT06Lab Code: CHEMSAS No.: Q1194 SDG NO.: Q1194Lab File ID: BF141409.DDFTPP Injection Date: 02/04/2025Instrument ID: BNA_FDFTPP Injection Time: 15:32

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	41.7
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	36.7
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	48.6
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	6.8
275	10.0 - 60.0% of mass 198	27.1
365	Greater than 1% of mass 198	3.1
441	Present, but less than mass 443	12.5
442	Greater than 50% of mass 198	81.7
443	15.0 - 24.0% of mass 442	15.1 (18.5) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF141410.D	02/04/2025	15:58
B-113-SB01	Q1194-03	BF141424.D	02/04/2025	22:11



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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: PORT06Lab Code: CHEMSAS No.: Q1194 SDG NO.: Q1194Lab File ID: BF141434.DDFTPP Injection Date: 02/05/2025Instrument ID: BNA_FDFTPP Injection Time: 09:36

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	42.7
68	Less than 2.0% of mass 69	0.7 (2) 1
69	Mass 69 relative abundance	35.1
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	48.7
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	6.4
275	10.0 - 60.0% of mass 198	26.8
365	Greater than 1% of mass 198	2.8
441	Present, but less than mass 443	12.5
442	Greater than 50% of mass 198	75.4
443	15.0 - 24.0% of mass 442	14.5 (19.2) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF141435.D	02/05/2025	10:02
PB166294BS	PB166294BS	BF141439.D	02/05/2025	11:47
PB166339BS	PB166339BS	BF141442.D	02/05/2025	13:05
PB166339BSD	PB166339BSD	BF141443.D	02/05/2025	13:31

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG NO.: Q1194

EPA Sample No.: SSTDCCC040 Date Analyzed: 01/30/2025

Lab File ID: BF141301.D Time Analyzed: 08:54

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	146467	6.798	575983	8.08	308835	9.84
UPPER LIMIT	292934	7.298	1151970	8.581	617670	10.339
LOWER LIMIT	73233.5	6.298	287992	7.581	154418	9.339
EPA SAMPLE NO.						
01 PB166339BL	146115	6.80	599878	8.08	324432	9.83

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.: Q1194 SAS No.: Q1194 SDG NO.: Q1194

EPA Sample No.: SSTDCCC040 Date Analyzed: 01/30/2025

Lab File ID: BF141301.D Time Analyzed: 08:54

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	511005	11.322	290304	13.969	298783	15.421
UPPER LIMIT	1022010	11.822	580608	14.469	597566	15.921
LOWER LIMIT	255503	10.822	145152	13.469	149392	14.921
EPA SAMPLE NO.						
01 PB166339BL	552085	11.32	345336	13.96	288136	15.44

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.: Q1194 SAS No.: Q1194 SDG NO.: Q1194

EPA Sample No.: SSTDCCC040 Date Analyzed: 01/31/2025

Lab File ID: BF141336.D Time Analyzed: 17:19

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	140033	6.798	558386	8.08	299701	9.84
UPPER LIMIT	280066	7.298	1116770	8.581	599402	10.339
LOWER LIMIT	70016.5	6.298	279193	7.581	149851	9.339
EPA SAMPLE NO.						
01 B-110-SB01	146484	6.80	587603	8.08	300372	9.83
02 B-110-SB02	149181	6.80	593714	8.08	307017	9.83
03 B-113-SB02	147849	6.80	589893	8.08	306711	9.83
04 B-113-SB02MS	160040	6.80	632082	8.08	327389	9.84
05 B-113-SB02MSD	149676	6.80	589897	8.08	304724	9.84

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.: Q1194 SAS No.: Q1194 SDG NO.: Q1194

EPA Sample No.: SSTDCCC040 Date Analyzed: 01/31/2025

Lab File ID: BF141336.D Time Analyzed: 17:19

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	493954	11.322	281629	13.968	286623	15.433
UPPER LIMIT	987908	11.822	563258	14.468	573246	15.933
LOWER LIMIT	246977	10.822	140815	13.468	143312	14.933
EPA SAMPLE NO.						
01 B-110-SB01	443291	11.32	300964	13.96	270058	15.42
02 B-110-SB02	441643	11.32	304741	13.96	278986	15.42
03 B-113-SB02	457334	11.32	306408	13.96	276735	15.42
04 B-113-SB02MS	478396	11.33	306959	13.97	307907	15.42
05 B-113-SB02MSD	446574	11.33	289652	13.97	291978	15.42

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG NO.: Q1194

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/03/2025

Lab File ID: BF141361.D Time Analyzed: 11:24

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	93803	6.798	362783	8.08	198566	9.83
UPPER LIMIT	187606	7.298	725566	8.581	397132	10.333
LOWER LIMIT	46901.5	6.298	181392	7.581	99283	9.333
EPA SAMPLE NO.						
01 EB	101266	6.79	409757	8.08	228085	9.83

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.: Q1194 SAS No.: Q1194 SDG NO.: Q1194

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/03/2025

Lab File ID: BF141361.D Time Analyzed: 11:24

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

01

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	334466	11.322	243574	13.968	284769	15.427
UPPER LIMIT	668932	11.822	487148	14.468	569538	15.927
LOWER LIMIT	167233	10.822	121787	13.468	142385	14.927
EPA SAMPLE NO.						
EB	407498	11.32	332056	13.96	264824	15.41

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.: Q1194 SAS No.: Q1194 SDG NO.: Q1194

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/04/2025

Lab File ID: BF141398.D Time Analyzed: 10:42

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	87552	6.793	331835	8.08	180473	9.83
UPPER LIMIT	175104	7.293	663670	8.575	360946	10.328
LOWER LIMIT	43776	6.293	165918	7.575	90236.5	9.328
EPA SAMPLE NO.						
01 PB166294BL	79060	6.79	317518	8.07	174923	9.83

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.: Q1194 SAS No.: Q1194 SDG NO.: Q1194

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/04/2025

Lab File ID: BF141398.D Time Analyzed: 10:42

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	318826	11.316	235294	13.963	201713	15.421
UPPER LIMIT	637652	11.816	470588	14.463	403426	15.921
LOWER LIMIT	159413	10.816	117647	13.463	100857	14.921
EPA SAMPLE NO.						
01 PB166294BL	303054	11.31	230654	13.96	181526	15.41

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.: Q1194 SAS No.: Q1194 SDG NO.: Q1194

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/04/2025

Lab File ID: BF141410.D Time Analyzed: 15:58

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	89972	6.792	349697	8.08	187729	9.83
UPPER LIMIT	179944	7.292	699394	8.575	375458	10.328
LOWER LIMIT	44986	6.292	174849	7.575	93864.5	9.328
EPA SAMPLE NO.						
01 B-113-SB01	70324	6.79	279899	8.07	155548	9.82

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.: Q1194 SAS No.: Q1194 SDG NO.: Q1194

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/04/2025

Lab File ID: BF141410.D Time Analyzed: 15:58

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	325046	11.316	235785	13.963	203742	15.421
UPPER LIMIT	650092	11.816	471570	14.463	407484	15.921
LOWER LIMIT	162523	10.816	117893	13.463	101871	14.921
EPA SAMPLE NO.						
01 B-113-SB01	272951	11.31	230042	13.95	197101	15.41

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.: Q1194 SAS No.: Q1194 SDG NO.: Q1194

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/05/2025

Lab File ID: BF141435.D Time Analyzed: 10:02

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	78610	6.792	301871	8.08	162758	9.83
UPPER LIMIT	157220	7.292	603742	8.575	325516	10.328
LOWER LIMIT	39305	6.292	150936	7.575	81379	9.328
EPA SAMPLE NO.						
01 PB166294BS	72987	6.79	285622	8.08	157073	9.83
02 PB166339BS	69540	6.79	272946	8.08	150801	9.83
03 PB166339BSD	70045	6.79	272862	8.08	147235	9.83

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.: Q1194 SAS No.: Q1194 SDG NO.: Q1194

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/05/2025

Lab File ID: BF141435.D Time Analyzed: 10:02

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	271503	11.316	168458	13.963	170248	15.427
UPPER LIMIT	543006	11.816	336916	14.463	340496	15.927
LOWER LIMIT	135752	10.816	84229	13.463	85124	14.927
EPA SAMPLE NO.						
01 PB166294BS	268815	11.32	187164	13.96	163935	15.43
02 PB166339BS	258651	11.32	176386	13.96	154350	15.42
03 PB166339BSD	252391	11.32	168766	13.96	154833	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:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-110-SB01	SDG No.:	Q1194
Lab Sample ID:	Q1194-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.3
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		GPC Factor :	1.0
Prep Method :	SW3541	Level :	LOW
		Final Vol:	1000
		Test:	SVOC-TCL BNA -20
		GPC Cleanup :	N
		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141349.D	1	01/28/25 09:56	01/31/25 23:10	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	210	UQ	210	370	ug/Kg
108-95-2	Phenol	93.7	U	93.7	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	94.6	U	94.6	190	ug/Kg
95-57-8	2-Chlorophenol	94.3	U	94.3	190	ug/Kg
95-48-7	2-Methylphenol	91.1	U	91.1	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	190	ug/Kg
98-86-2	Acetophenone	98.2	U	98.2	190	ug/Kg
65794-96-9	3+4-Methylphenols	90.2	U	90.2	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	45.5	U	45.5	90.4	ug/Kg
67-72-1	Hexachloroethane	93.8	U	93.8	190	ug/Kg
98-95-3	Nitrobenzene	100	U	100	190	ug/Kg
78-59-1	Isophorone	95.6	U	95.6	190	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	190	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	96.9	U	96.9	190	ug/Kg
120-83-2	2,4-Dichlorophenol	85.3	U	85.3	190	ug/Kg
91-20-3	Naphthalene	93.3	U	93.3	190	ug/Kg
106-47-8	4-Chloroaniline	93.3	UQ	93.3	190	ug/Kg
87-68-3	Hexachlorobutadiene	94.1	U	94.1	190	ug/Kg
105-60-2	Caprolactam	98.1	U	98.1	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	87.6	U	87.6	190	ug/Kg
91-57-6	2-Methylnaphthalene	93.2	U	93.2	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	180	UQ	180	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	80.7	U	80.7	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	83.6	U	83.6	190	ug/Kg
92-52-4	1,1-Biphenyl	98.8	U	98.8	190	ug/Kg
91-58-7	2-Chloronaphthalene	94.1	U	94.1	190	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	190	ug/Kg
131-11-3	Dimethylphthalate	92.3	U	92.3	190	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-110-SB01	SDG No.:	Q1194
Lab Sample ID:	Q1194-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.3
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
BF141349.D	1	01/28/25 09:56	01/31/25 23:10	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	97.7	U	97.7	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	94.0	U	94.0	190	ug/Kg
99-09-2	3-Nitroaniline	100	UQ	100	190	ug/Kg
83-32-9	Acenaphthene	91.6	U	91.6	190	ug/Kg
51-28-5	2,4-Dinitrophenol	270	U	270	370	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	370	ug/Kg
132-64-9	Dibenzofuran	95.4	U	95.4	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	97.4	U	97.4	190	ug/Kg
84-66-2	Diethylphthalate	90.5	U	90.5	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	96.7	U	96.7	190	ug/Kg
86-73-7	Fluorene	96.6	U	96.6	190	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	U	130	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	92.2	U	92.2	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	89.1	U	89.1	190	ug/Kg
118-74-1	Hexachlorobenzene	96.0	U	96.0	190	ug/Kg
1912-24-9	Atrazine	100	U	100	190	ug/Kg
87-86-5	Pentachlorophenol	87.3	U	87.3	370	ug/Kg
85-01-8	Phenanthrene	94.9	U	94.9	190	ug/Kg
120-12-7	Anthracene	95.4	U	95.4	190	ug/Kg
86-74-8	Carbazole	90.7	U	90.7	190	ug/Kg
84-74-2	Di-n-butylphthalate	95.2	U	95.2	190	ug/Kg
206-44-0	Fluoranthene	92.3	U	92.3	190	ug/Kg
129-00-0	Pyrene	93.8	U	93.8	190	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	UQ	110	370	ug/Kg
56-55-3	Benzo(a)anthracene	91.2	U	91.2	190	ug/Kg
218-01-9	Chrysene	89.8	U	89.8	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	100	U	100	190	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	91.6	U	91.6	190	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-110-SB01	SDG No.:	Q1194
Lab Sample ID:	Q1194-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.3
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
BF141349.D	1	01/28/25 09:56	01/31/25 23:10	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	93.3	U	93.3	190	ug/Kg
50-32-8	Benzo(a)pyrene	110	U	110	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	88.2	U	88.2	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	91.7	U	91.7	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	90.5	U	90.5	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	98.1	U	98.1	190	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	84.4	U	84.4	190	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	87.7		30 (18) - 130 (112)	58%	SPK: 150
13127-88-3	Phenol-d6	84.9		30 (15) - 130 (107)	57%	SPK: 150
4165-60-0	Nitrobenzene-d5	60.0		30 (18) - 130 (107)	60%	SPK: 100
321-60-8	2-Fluorobiphenyl	59.4		30 (20) - 130 (109)	59%	SPK: 100
118-79-6	2,4,6-Tribromophenol	81.0		30 (10) - 130 (116)	54%	SPK: 150
1718-51-0	Terphenyl-d14	46.2		30 (10) - 130 (105)	46%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	146000	6.798
1146-65-2	Naphthalene-d8	588000	8.081
15067-26-2	Acenaphthene-d10	300000	9.834
1517-22-2	Phenanthrene-d10	443000	11.322
1719-03-5	Chrysene-d12	301000	13.963
1520-96-3	Perylene-d12	270000	15.416

TENTATIVE IDENTIFIED COMPOUNDS

004744-10-9	Propane, 1,1-dimethoxy-	90.8	JB	2.16	ug/Kg
	unknown2.346	160	J	2.35	ug/Kg
000119-61-9	Benzophenone	130	J	10.5	ug/Kg
000057-10-3	n-Hexadecanoic acid	170	J	11.9	ug/Kg
000103-23-1	Hexanedioic acid, bis(2-ethylhexyl	200	J	13.5	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-110-SB01	SDG No.:	Q1194
Lab Sample ID:	Q1194-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.3
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
BF141349.D	1	01/28/25 09:56	01/31/25 23:10	PB166294

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\BF013125\
Data File : BF141349.D
Acq On : 31 Jan 2025 23:10
Operator : RC/JU
Sample : Q1194-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-110-SB01

Quant Time: Feb 01 00:05:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	146484	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	587603	20.000	ng	0.00
39) Acenaphthene-d10	9.834	164	300372	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	443291	20.000	ng	0.00
76) Chrysene-d12	13.963	240	300964	20.000	ng	-0.01
86) Perylene-d12	15.416	264	270058	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	837109	87.732	ng	0.01
7) Phenol-d6	6.440	99	1031120	84.948	ng	0.00
23) Nitrobenzene-d5	7.357	82	669348	60.050	ng	-0.01
42) 2,4,6-Tribromophenol	10.628	330	223067	81.006	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1158393	59.359	ng	0.00
79) Terphenyl-d14	12.910	244	901846	46.212	ng	0.00

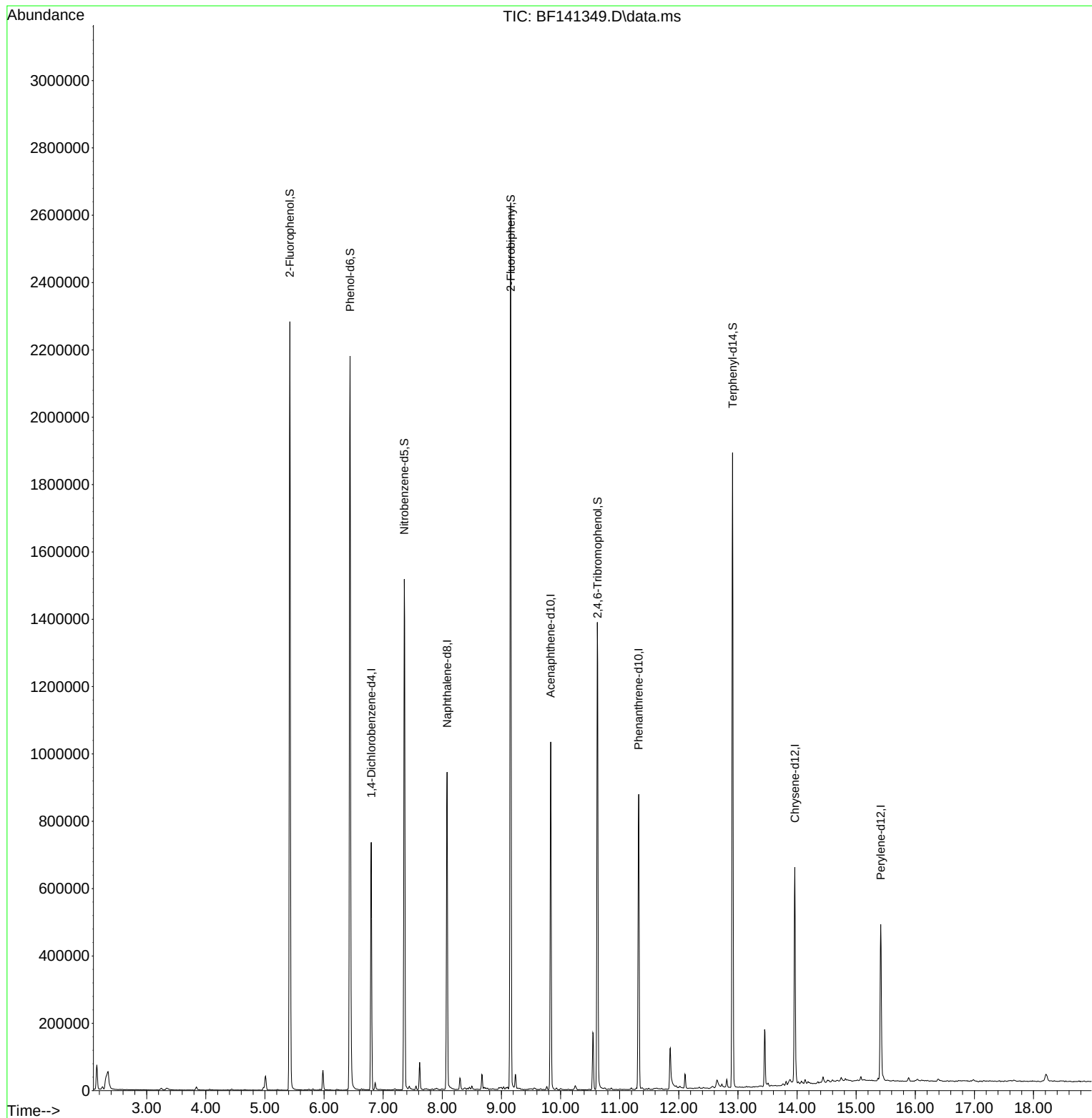
Target Compounds	Qvalue

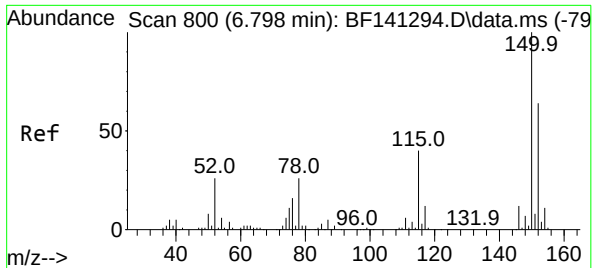
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141349.D
Acq On : 31 Jan 2025 23:10
Operator : RC/JU
Sample : Q1194-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-110-SB01

Quant Time: Feb 01 00:05:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

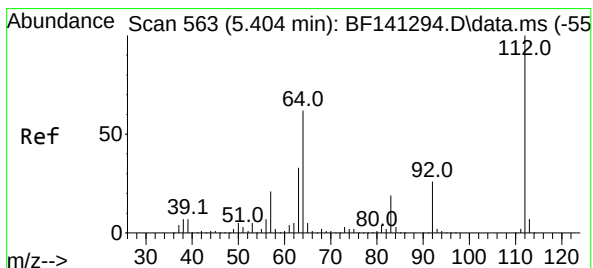
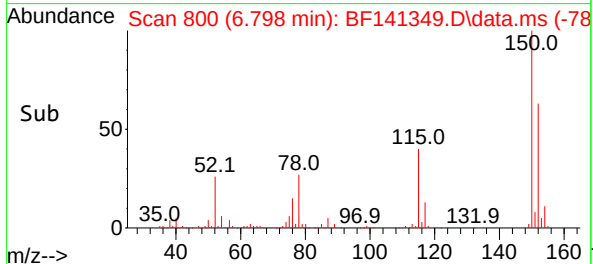
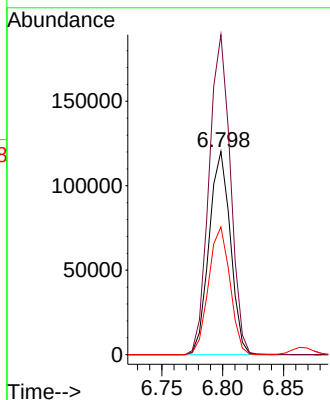
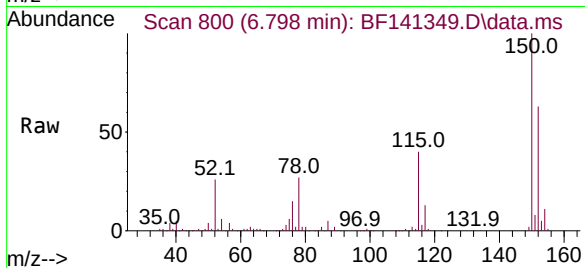




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF141349.D
Acq: 31 Jan 2025 23:10

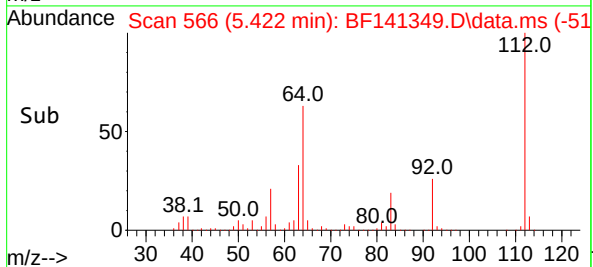
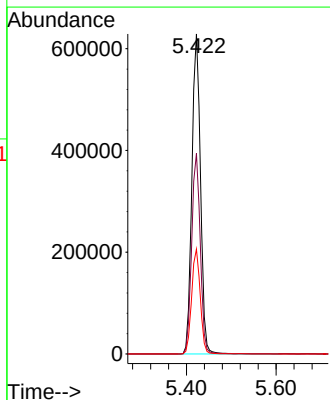
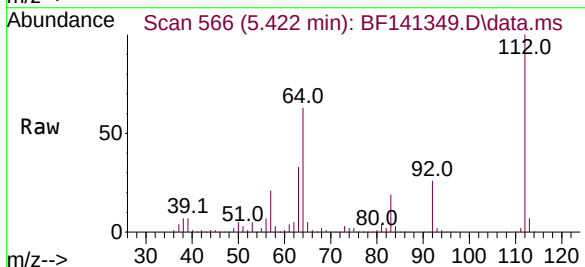
Instrument :
BNA_F
ClientSampleId :
B-110-SB01

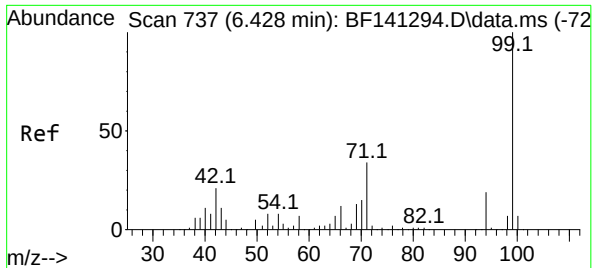
Tgt Ion:152 Resp: 146484
Ion Ratio Lower Upper
152 100
150 157.5 125.9 188.9
115 62.9 49.7 74.5



#5
2-Fluorophenol
Concen: 87.732 ng
RT: 5.422 min Scan# 566
Delta R.T. 0.012 min
Lab File: BF141349.D
Acq: 31 Jan 2025 23:10

Tgt Ion:112 Resp: 837109
Ion Ratio Lower Upper
112 100
64 62.6 49.8 74.8
63 32.8 26.1 39.1





#7

Phenol-d6

Concen: 84.948 ng

RT: 6.440 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF141349.D

Acq: 31 Jan 2025 23:10

Instrument :

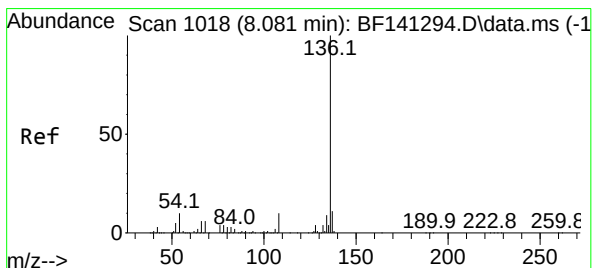
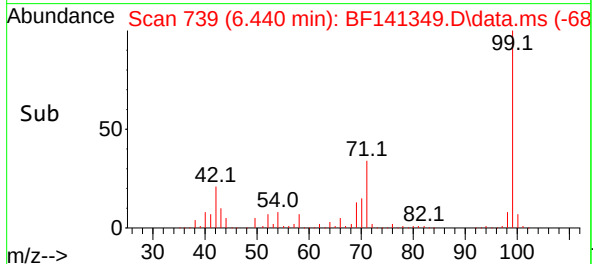
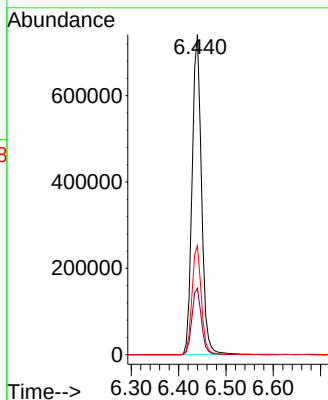
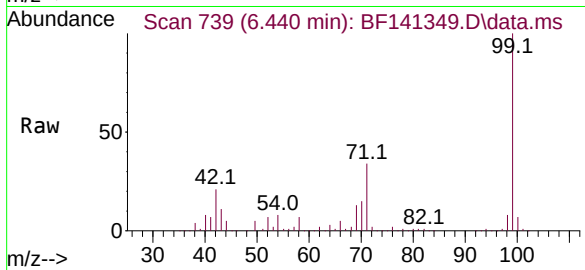
BNA_F

ClientSampleId :

B-110-SB01

Tgt Ion: 99 Resp: 1031120

Ion	Ratio	Lower	Upper
99	100		
42	20.8	17.1	25.7
71	34.1	26.9	40.3



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.081 min Scan# 1018

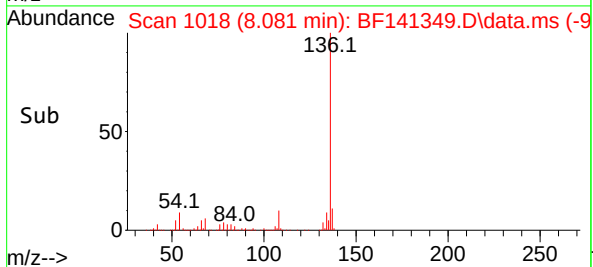
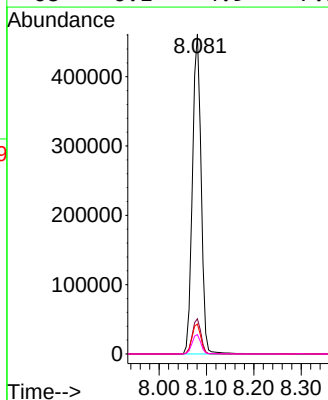
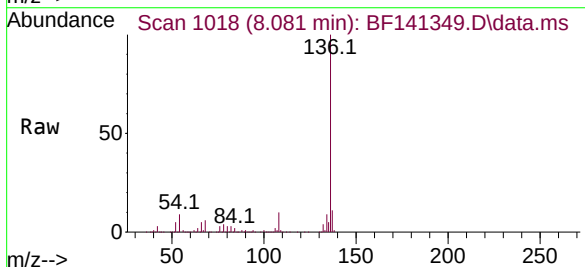
Delta R.T. -0.006 min

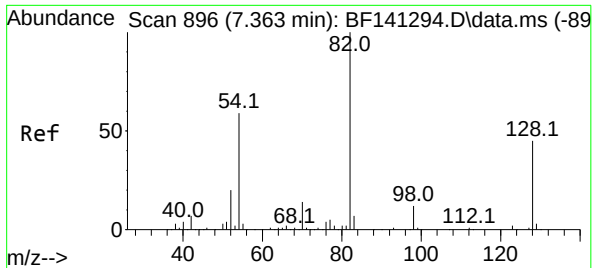
Lab File: BF141349.D

Acq: 31 Jan 2025 23:10

Tgt Ion: 136 Resp: 587603

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	9.3	7.8	11.8
68	6.1	4.9	7.3





#23

Nitrobenzene-d5

Concen: 60.050 ng

RT: 7.357 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF141349.D

Acq: 31 Jan 2025 23:10

Instrument :

BNA_F

ClientSampleId :

B-110-SB01

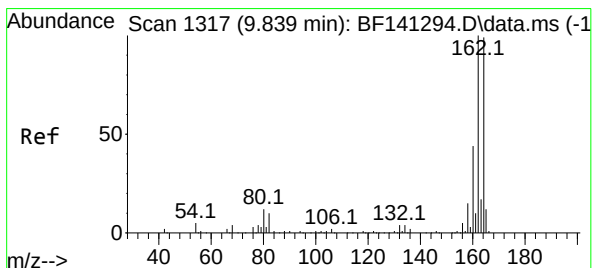
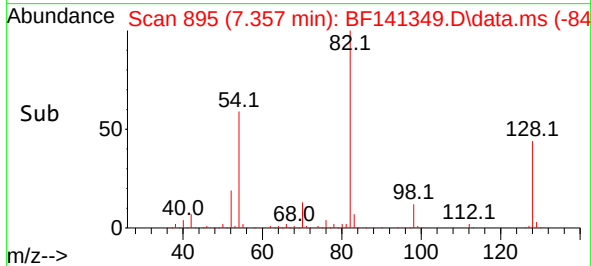
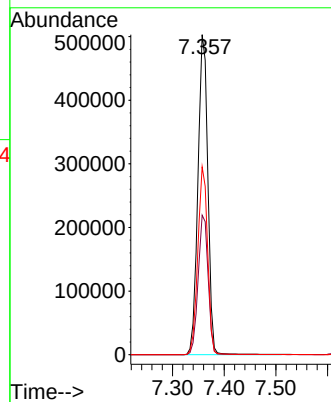
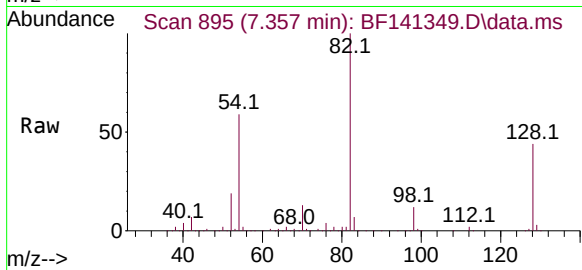
Tgt Ion: 82 Resp: 669348

Ion Ratio Lower Upper

82 100

128 43.6 35.7 53.5

54 58.7 47.1 70.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.834 min Scan# 1316

Delta R.T. -0.006 min

Lab File: BF141349.D

Acq: 31 Jan 2025 23:10

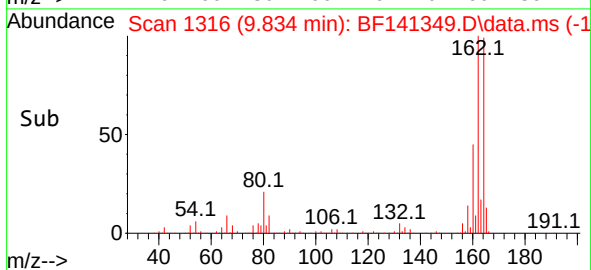
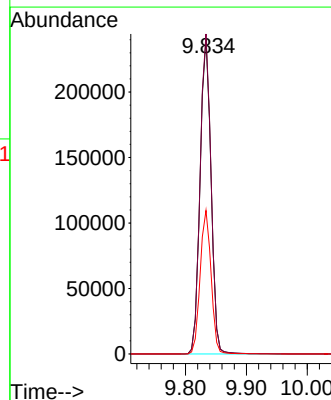
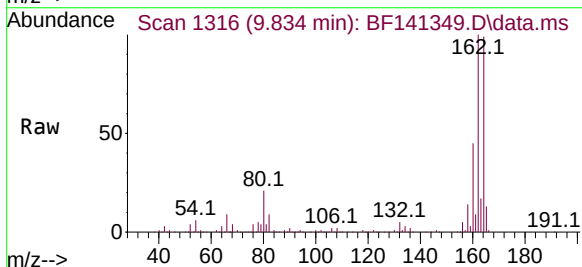
Tgt Ion:164 Resp: 300372

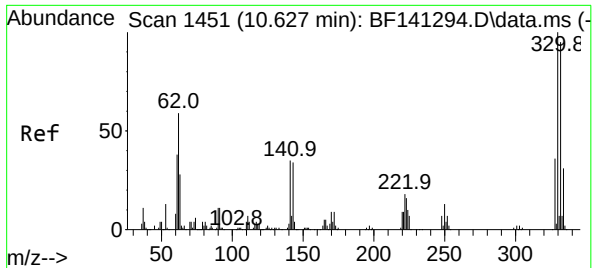
Ion Ratio Lower Upper

164 100

162 101.4 80.6 121.0

160 45.5 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 81.006 ng

RT: 10.628 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF141349.D

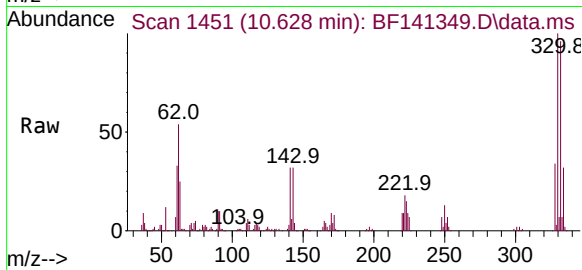
Acq: 31 Jan 2025 23:10

Instrument :

BNA_F

ClientSampleId :

B-110-SB01



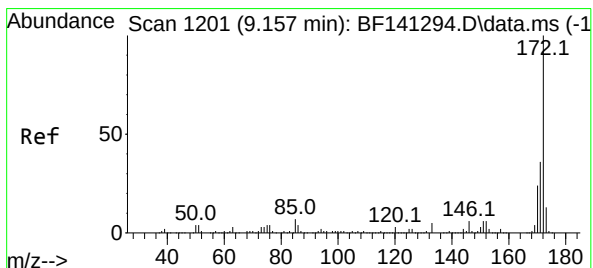
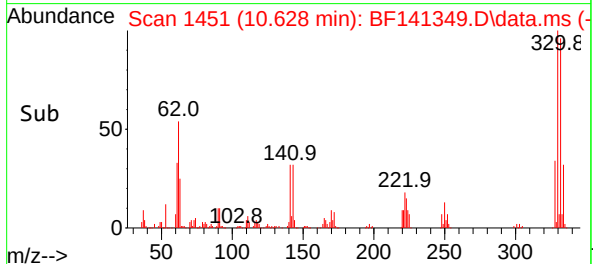
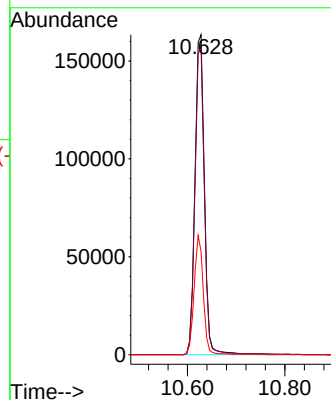
Tgt Ion:330 Resp: 223067

Ion Ratio Lower Upper

330 100

332 95.6 76.1 114.1

141 36.0 28.8 43.2



#45

2-Fluorobiphenyl

Concen: 59.359 ng

RT: 9.157 min Scan# 1201

Delta R.T. -0.006 min

Lab File: BF141349.D

Acq: 31 Jan 2025 23:10

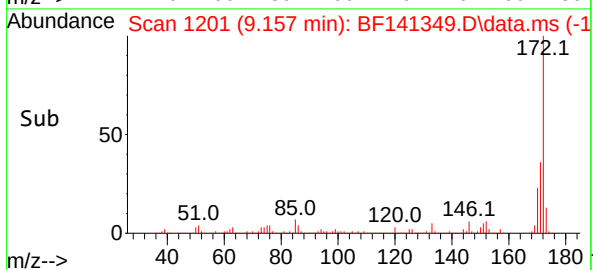
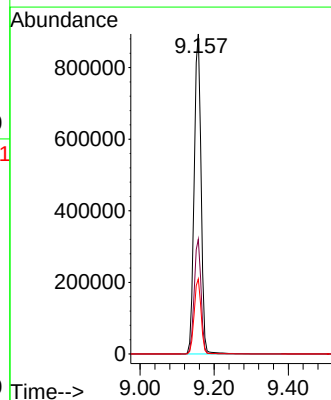
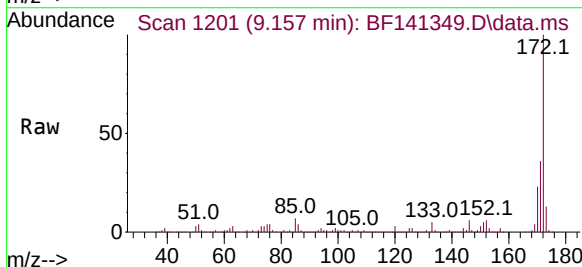
Tgt Ion:172 Resp: 1158393

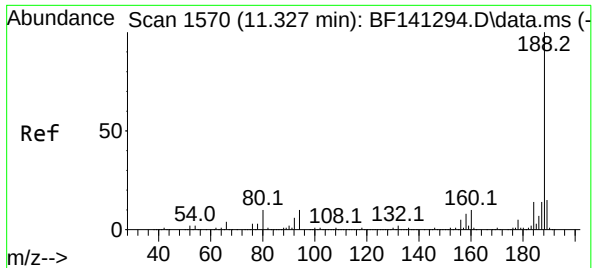
Ion Ratio Lower Upper

172 100

171 35.9 28.8 43.2

170 23.4 19.0 28.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.322 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141349.D

Acq: 31 Jan 2025 23:10

Instrument :

BNA_F

ClientSampleId :

B-110-SB01

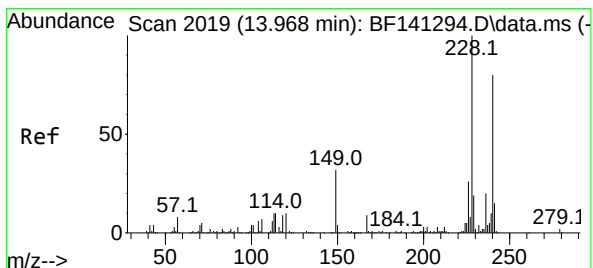
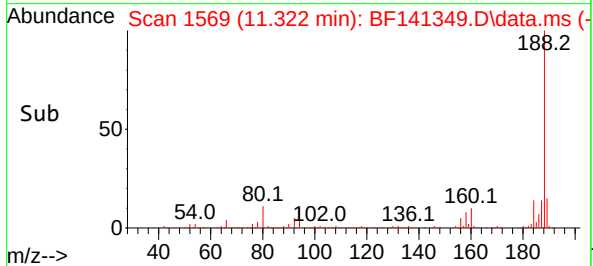
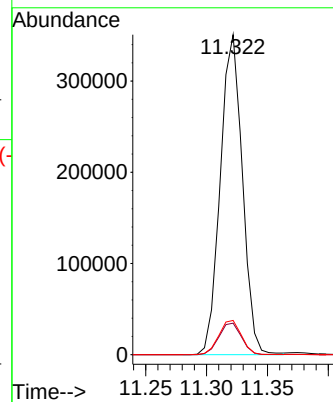
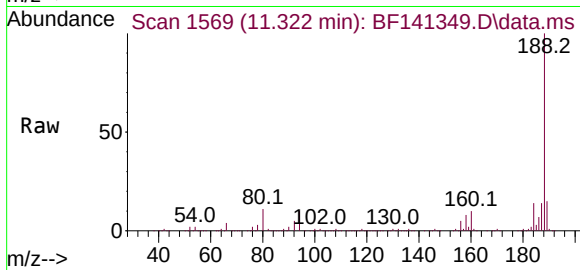
Tgt Ion:188 Resp: 443291

Ion Ratio Lower Upper

188 100

94 9.9 7.8 11.6

80 10.7 8.2 12.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.963 min Scan# 2018

Delta R.T. -0.012 min

Lab File: BF141349.D

Acq: 31 Jan 2025 23:10

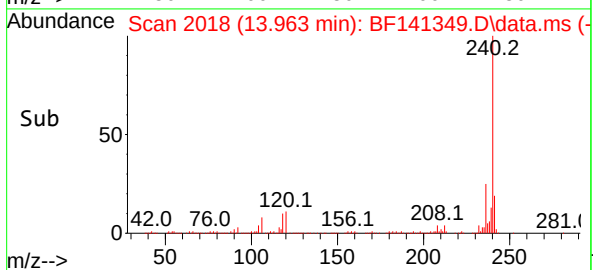
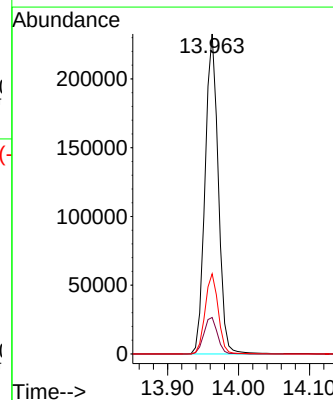
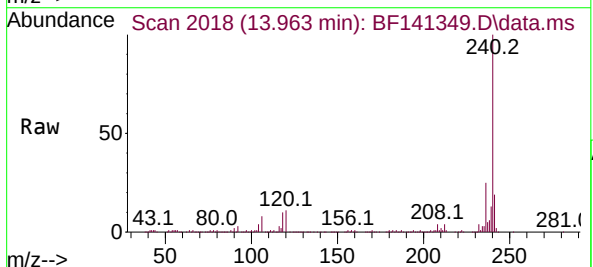
Tgt Ion:240 Resp: 300964

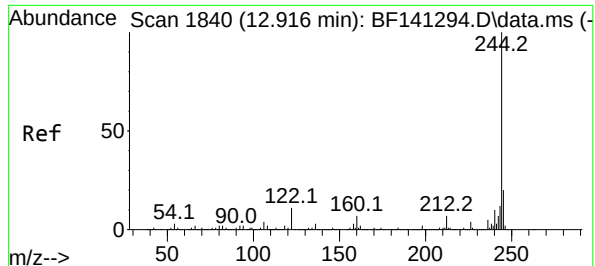
Ion Ratio Lower Upper

240 100

120 11.4 10.0 15.0

236 25.1 19.7 29.5





#79

Terphenyl-d14

Concen: 46.212 ng

RT: 12.910 min Scan# 1839

Delta R.T. -0.006 min

Lab File: BF141349.D

Acq: 31 Jan 2025 23:10

Instrument :

BNA_F

ClientSampleId :

B-110-SB01

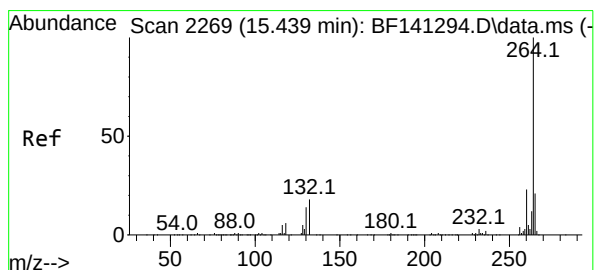
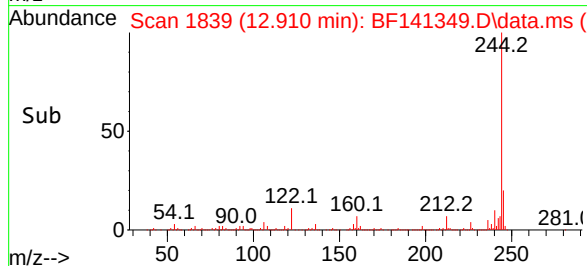
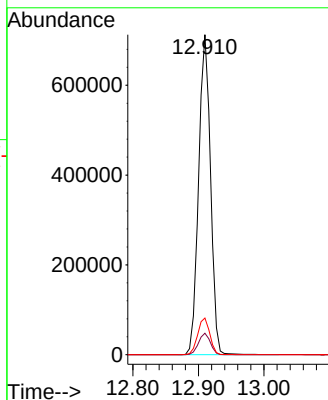
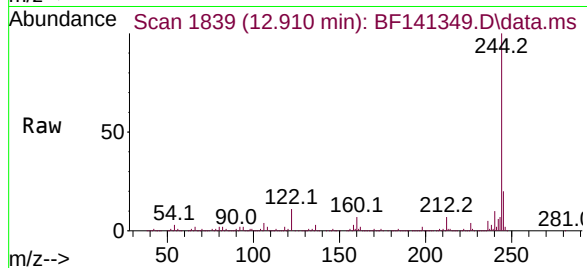
Tgt Ion:244 Resp: 901846

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

122 11.5 8.8 13.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.416 min Scan# 2265

Delta R.T. -0.024 min

Lab File: BF141349.D

Acq: 31 Jan 2025 23:10

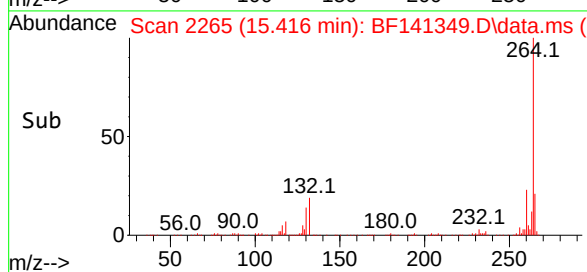
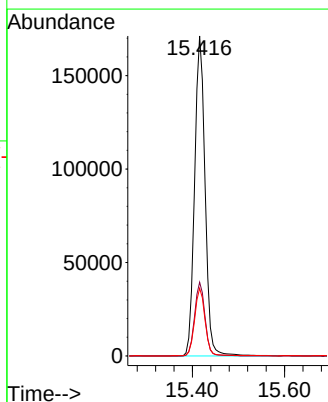
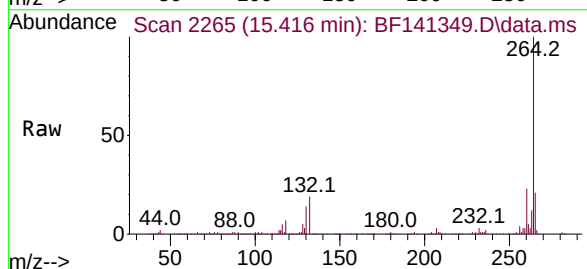
Tgt Ion:264 Resp: 270058

Ion Ratio Lower Upper

264 100

260 23.0 18.6 27.8

265 21.2 16.7 25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141349.D
Acq On : 31 Jan 2025 23:10
Operator : RC/JU
Sample : Q1194-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-110-SB01

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141349.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.158	5	11	17	rBV	72385	108401	3.20%	0.463%
2	2.346	31	43	57	rVB	51666	186216	5.50%	0.795%
3	5.010	491	496	502	rVB	40951	67045	1.98%	0.286%
4	5.422	560	566	584	rBV	2282457	3033055	89.59%	12.948%
5	5.981	656	661	670	rBV	59009	79311	2.34%	0.339%
6	6.440	733	739	756	rBV	2177653	3055889	90.26%	13.045%
7	6.798	795	800	805	rBV	735261	899199	26.56%	3.839%
8	7.357	889	895	900	rBV	1516199	2002245	59.14%	8.547%
9	7.616	933	939	947	rBV	81440	104051	3.07%	0.444%
10	8.081	1010	1018	1023	rBV	942087	1208483	35.69%	5.159%
11	8.298	1051	1055	1062	rVB	33531	43882	1.30%	0.187%
12	8.669	1113	1118	1122	rBV	44461	58728	1.73%	0.251%
13	9.157	1195	1201	1206	rBV	2631881	3385629	100.00%	14.453%
14	9.234	1210	1214	1219	rVB	41207	56425	1.67%	0.241%
15	9.834	1310	1316	1328	rBV	1032656	1291141	38.14%	5.512%
16	10.545	1432	1437	1445	rBV	169420	221757	6.55%	0.947%
17	10.622	1445	1450	1468	rBV	1387377	1843411	54.45%	7.869%
18	11.322	1564	1569	1576	rVB	873519	1099316	32.47%	4.693%
19	11.857	1654	1660	1674	rBV2	122009	244818	7.23%	1.045%
20	12.104	1698	1702	1710	rVB	42057	54385	1.61%	0.232%
21	12.645	1787	1794	1805	rBV6	23026	65109	1.92%	0.278%
22	12.910	1833	1839	1844	rBV	1885314	2389896	70.59%	10.202%
23	13.451	1926	1931	1939	rBV	169032	231058	6.82%	0.986%
24	13.880	1996	2004	2010	rBV6	14878	43408	1.28%	0.185%
25	13.963	2012	2018	2025	rVB	641075	867094	25.61%	3.701%
26	15.416	2259	2265	2281	rVB	463911	734594	21.70%	3.136%
27	18.210	2736	2740	2750	rVB3	19926	51064	1.51%	0.218%

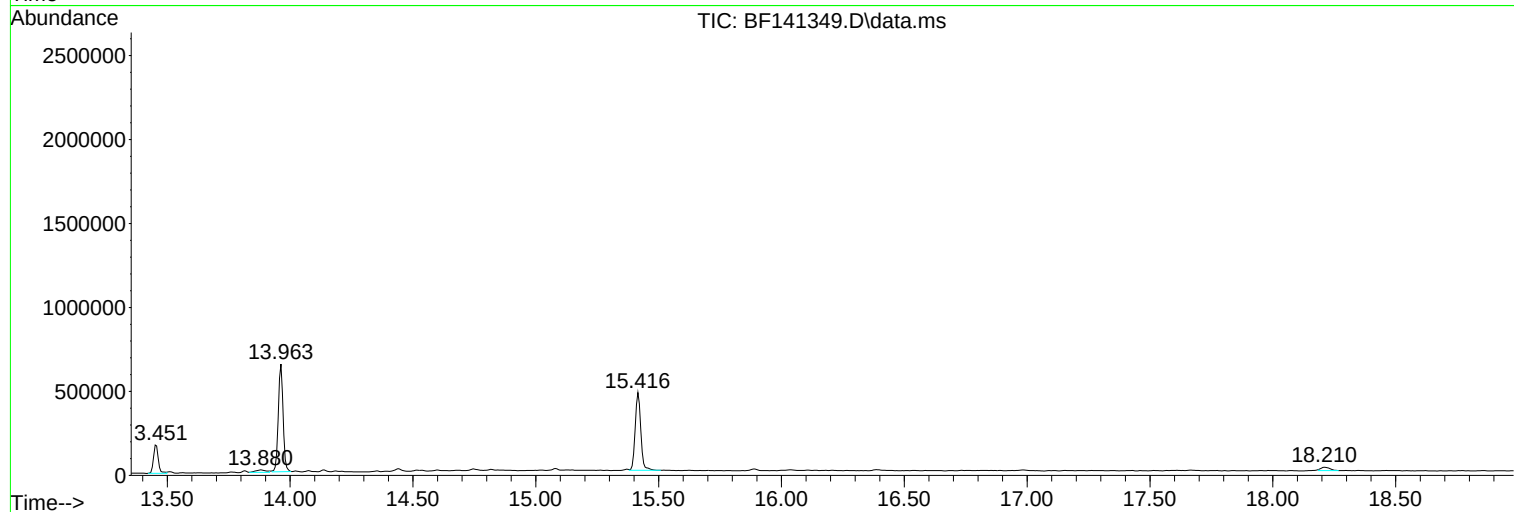
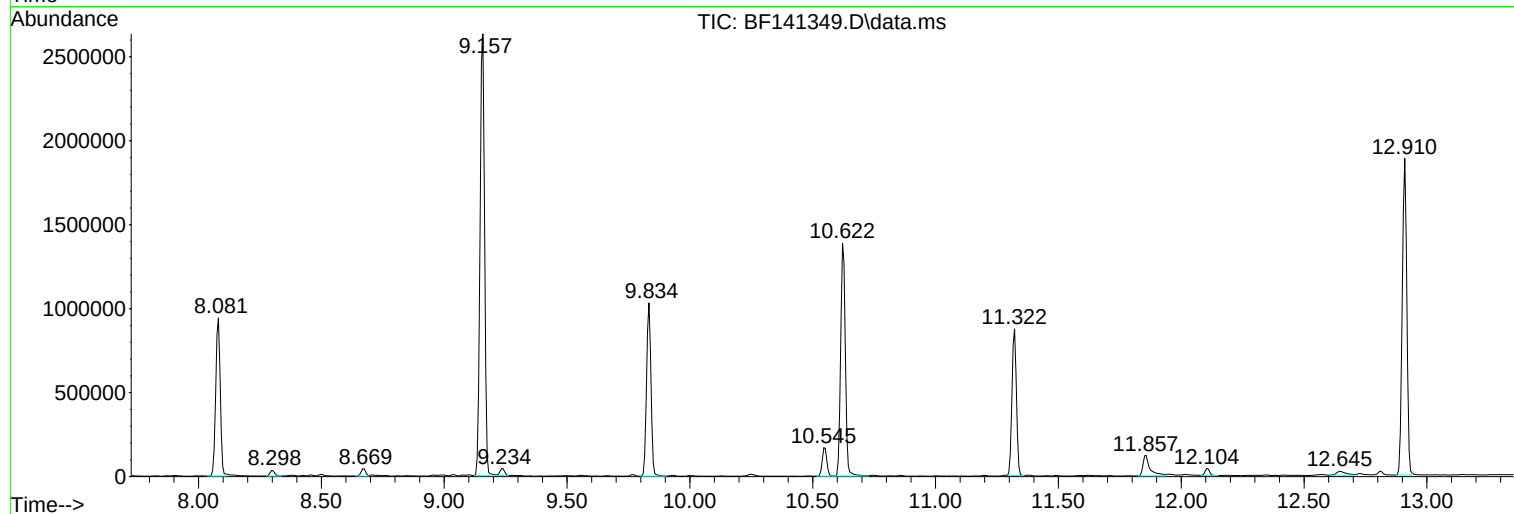
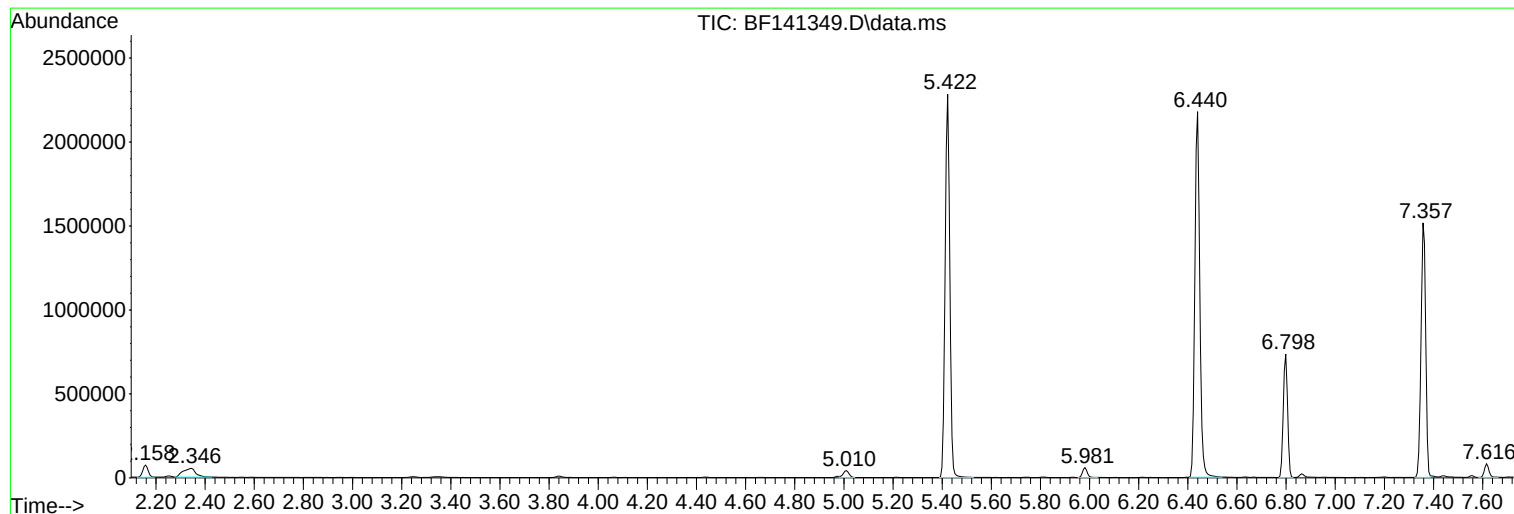
Sum of corrected areas: 23425610

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141349.D
Acq On : 31 Jan 2025 23:10
Operator : RC/JU
Sample : Q1194-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-110-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.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\BF013125\
Data File : BF141349.D
Acq On : 31 Jan 2025 23:10
Operator : RC/JU
Sample : Q1194-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-110-SB01

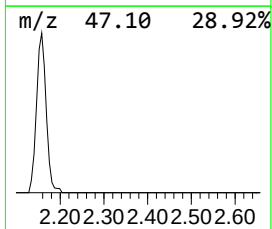
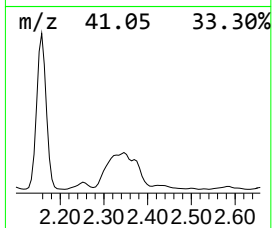
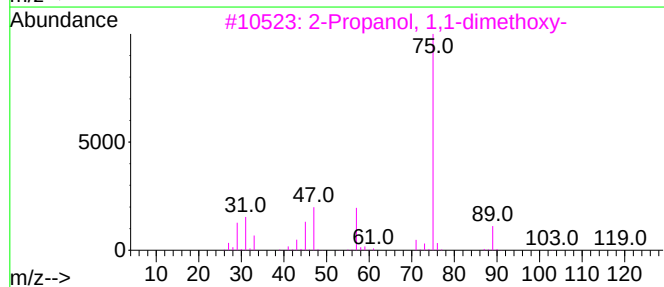
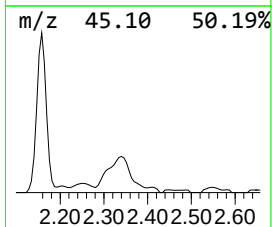
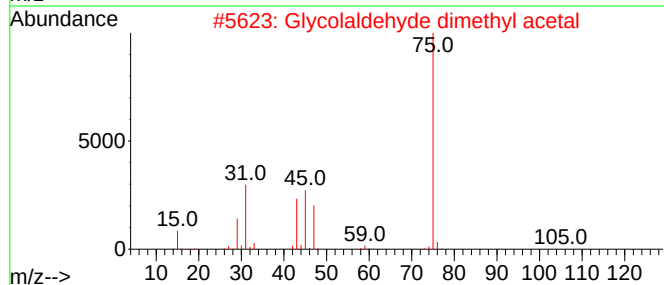
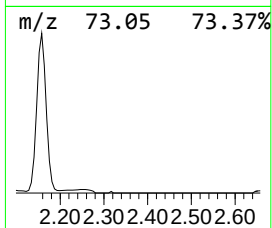
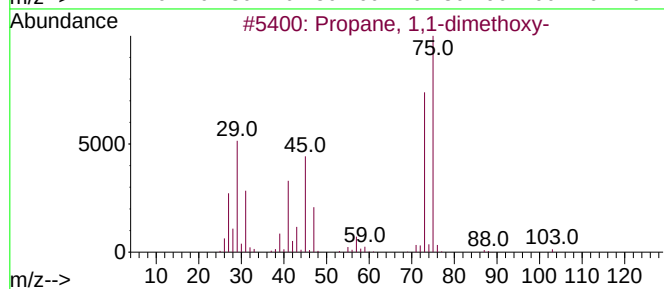
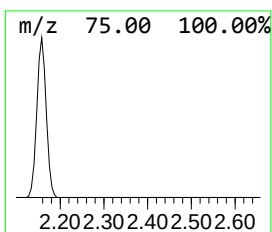
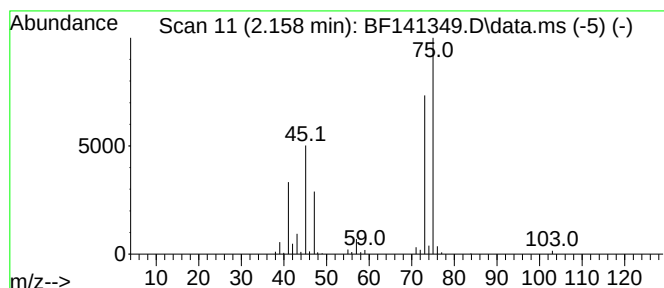
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Propane, 1,1-dimethoxy- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.158	2.41 ng	108401	1,4-Dichlorobenzene-d4	6.798

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Propane, 1,1-dimethoxy-	104	C5H12O2	004744-10-9	83
2			Glycolaldehyde dimethyl acetal	106	C4H10O3	030934-97-5	42
3			2-Propanol, 1,1-dimethoxy-	120	C5H12O3	042919-42-6	40
4			Acetic acid, dimethoxy-, methyl ...	134	C5H10O4	000089-91-8	38
5			Methane, trimethoxy-	106	C4H10O3	000149-73-5	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141349.D
Acq On : 31 Jan 2025 23:10
Operator : RC/JU
Sample : Q1194-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-110-SB01

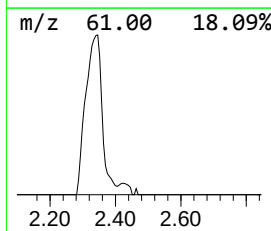
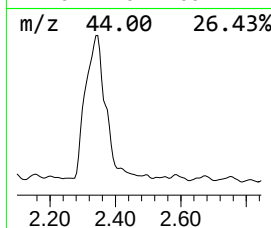
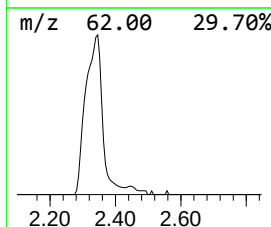
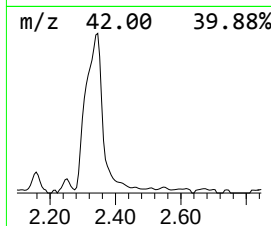
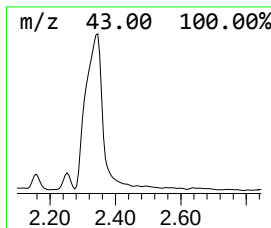
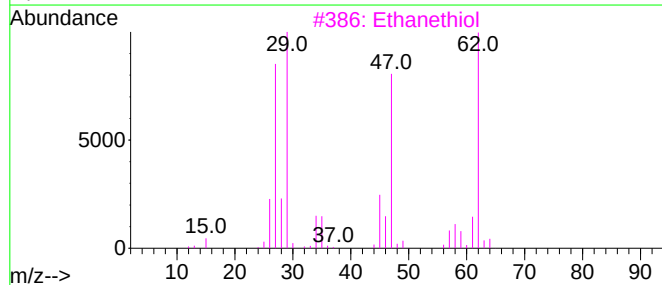
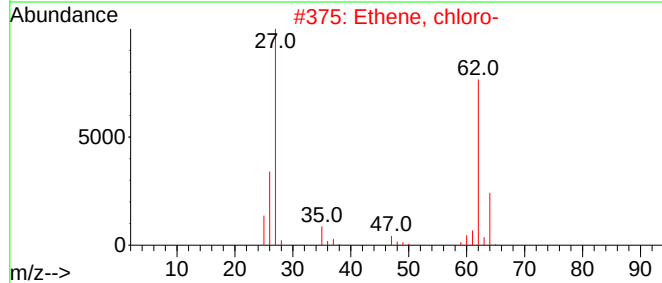
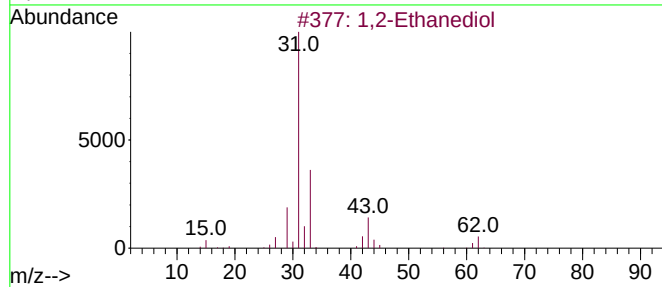
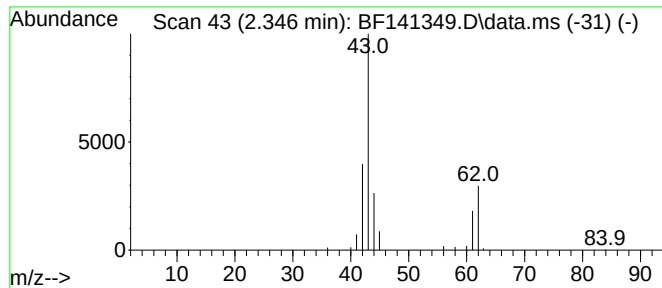
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 unknown2.346 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.346	4.14 ng	186216	1,4-Dichlorobenzene-d4	6.798

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1,2-Ethanediol	62	C2H6O2	000107-21-1	9
2		Ethene, chloro-	62	C2H3Cl	000075-01-4	5
3		Ethanethiol	62	C2H6S	000075-08-1	4
4		Peroxide, dimethyl	62	C2H6O2	000690-02-8	4
5		Diazirine	42	CH2N2	1000305-84-1	3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141349.D
Acq On : 31 Jan 2025 23:10
Operator : RC/JU
Sample : Q1194-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-110-SB01

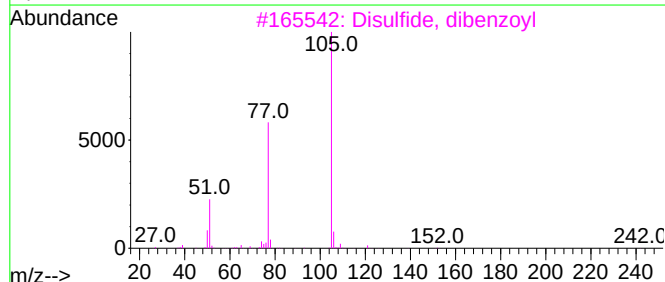
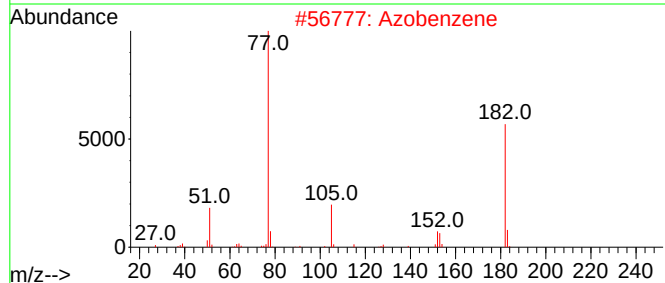
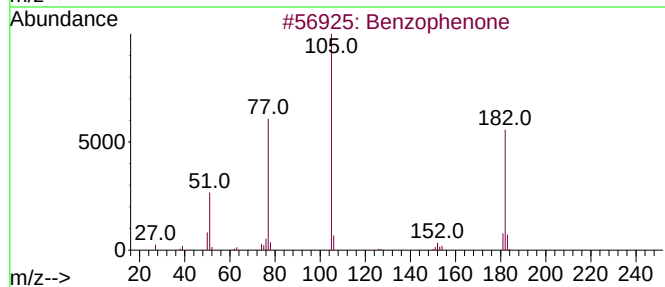
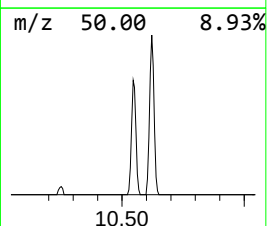
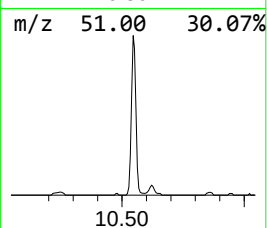
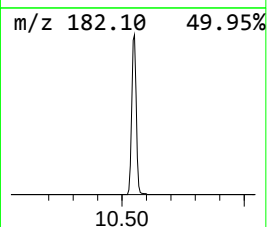
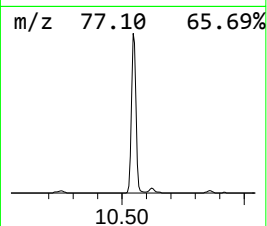
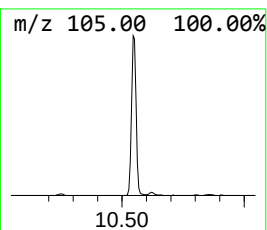
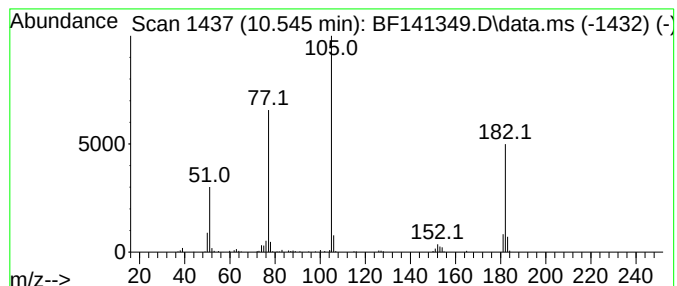
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Benzophenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.545	3.44 ng	221757	Acenaphthene-d10	9.834

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			Azobenzene	182	C12H10N2	000103-33-3	64
3			Disulfide, dibenzoyl	274	C14H10O2S2	000644-32-6	47
4			Methyl benzilate	242	C15H14O3	000076-89-1	47
5			Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141349.D
Acq On : 31 Jan 2025 23:10
Operator : RC/JU
Sample : Q1194-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-110-SB01

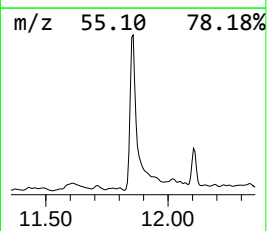
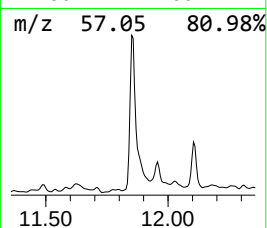
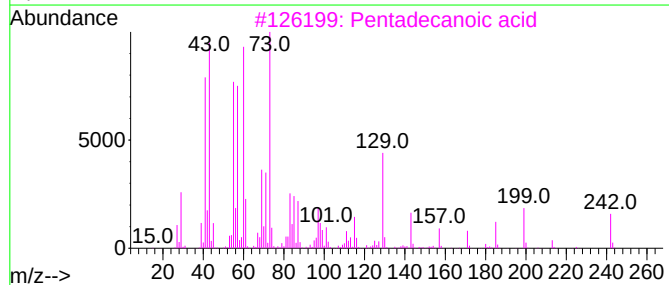
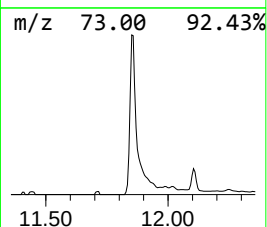
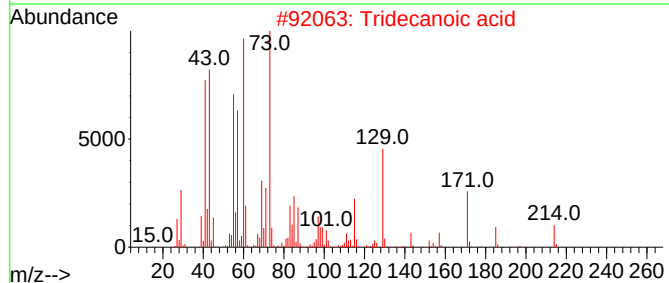
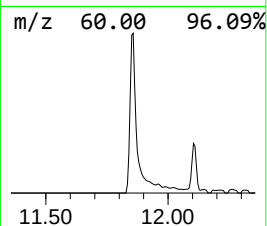
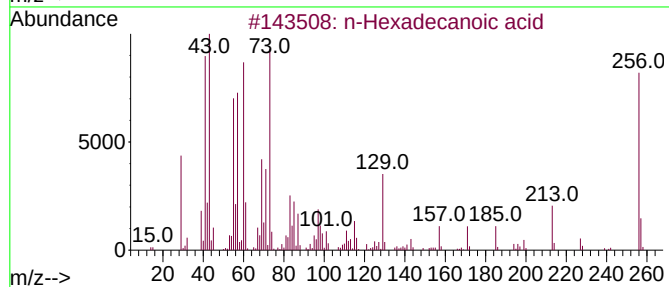
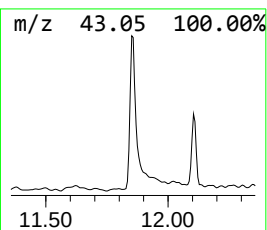
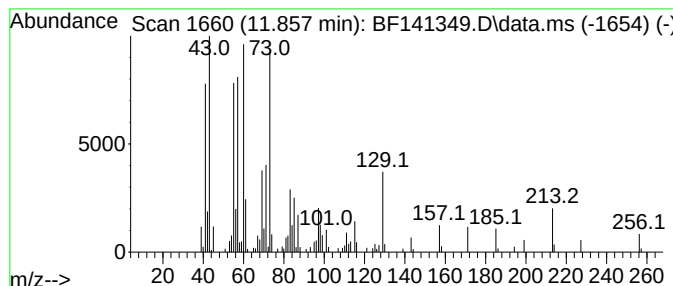
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.857	4.45 ng	244818	Phenanthrene-d10	11.322

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2		Tridecanoic acid	214	C13H26O2	000638-53-9	93
3		Pentadecanoic acid	242	C15H30O2	001002-84-2	90
4		Tetradecanoic acid	228	C14H28O2	000544-63-8	80
5		Octanoic acid	144	C8H16O2	000124-07-2	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141349.D
Acq On : 31 Jan 2025 23:10
Operator : RC/JU
Sample : Q1194-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

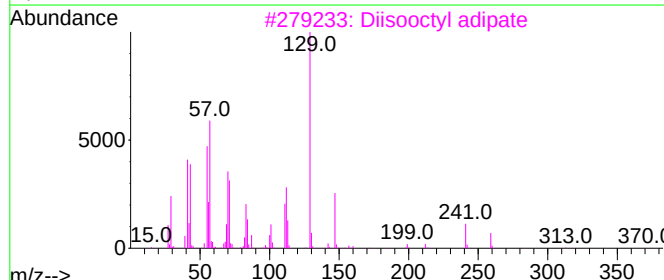
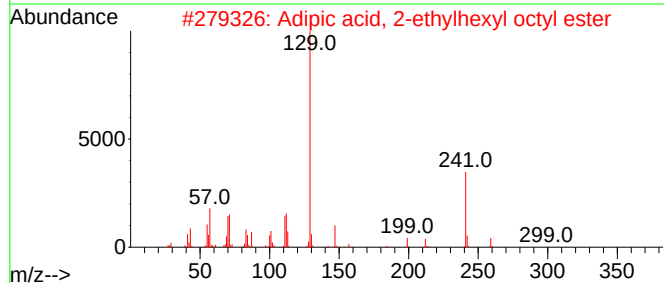
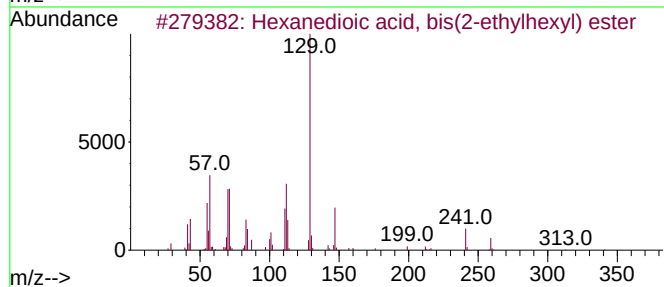
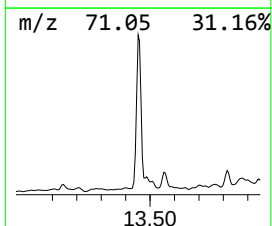
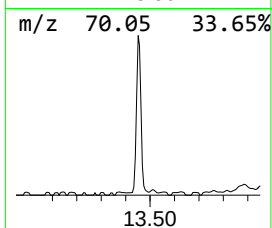
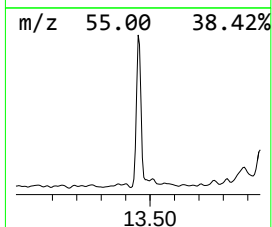
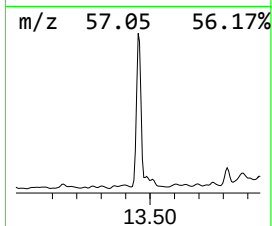
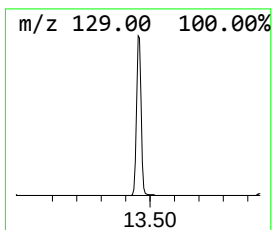
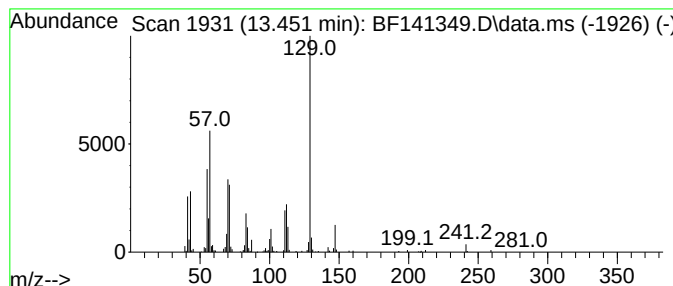
Instrument :
BNA_F
ClientSampleId :
B-110-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Hexanedioic acid, bis(2-eth... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.451	5.33 ng	231058	Chrysene-d12	13.963	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanedioic acid, bis(2-ethylhex...	370	C22H42O4	000103-23-1	91
2	Adipic acid, 2-ethylhexyl octyl ...	370	C22H42O4	1000324-48-6	90
3	Diisooctyl adipate	370	C22H42O4	001330-86-5	86
4	Hexanedioic acid, dioctyl ester	370	C22H42O4	000123-79-5	70
5	Hexanedioic acid, mono(2-ethylhe...	258	C14H26O4	004337-65-9	68



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141349.D
Acq On : 31 Jan 2025 23:10
Operator : RC/JU
Sample : Q1194-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-110-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.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
Propane, 1,1-di...	2.158	2.4	ng	108401	1	6.798	899199	20.0
unknown2.346	2.346	4.1	ng	186216	1	6.798	899199	20.0
Benzophenone	10.545	3.4	ng	221757	3	9.834	1291140	20.0
n-Hexadecanoic ...	11.857	4.5	ng	244818	4	11.322	1099320	20.0
Hexanedioic aci...	13.451	5.3	ng	231058	5	13.963	867094	20.0

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-110-SB02	SDG No.:	Q1194
Lab Sample ID:	Q1194-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	57
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		GPC Factor :	1.0
Prep Method :	SW3541	Level :	LOW
		Test:	SVOC-TCL BNA -20
		Final Vol:	1000 uL
		GPC Cleanup :	N
		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141350.D	1	01/28/25 09:56	01/31/25 23:37	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	320	UQ	320	580	ug/Kg
108-95-2	Phenol	150	U	150	300	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	150	U	150	300	ug/Kg
95-57-8	2-Chlorophenol	150	U	150	300	ug/Kg
95-48-7	2-Methylphenol	140	U	140	300	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	160	U	160	300	ug/Kg
98-86-2	Acetophenone	150	U	150	300	ug/Kg
65794-96-9	3+4-Methylphenols	140	U	140	580	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	70.6	U	70.6	140	ug/Kg
67-72-1	Hexachloroethane	150	U	150	300	ug/Kg
98-95-3	Nitrobenzene	160	U	160	300	ug/Kg
78-59-1	Isophorone	150	U	150	300	ug/Kg
88-75-5	2-Nitrophenol	170	U	170	300	ug/Kg
105-67-9	2,4-Dimethylphenol	160	U	160	300	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	150	U	150	300	ug/Kg
120-83-2	2,4-Dichlorophenol	130	U	130	300	ug/Kg
91-20-3	Naphthalene	140	U	140	300	ug/Kg
106-47-8	4-Chloroaniline	140	UQ	140	300	ug/Kg
87-68-3	Hexachlorobutadiene	150	U	150	300	ug/Kg
105-60-2	Caprolactam	150	U	150	580	ug/Kg
59-50-7	4-Chloro-3-methylphenol	140	U	140	300	ug/Kg
91-57-6	2-Methylnaphthalene	140	U	140	300	ug/Kg
77-47-4	Hexachlorocyclopentadiene	270	UQ	270	580	ug/Kg
88-06-2	2,4,6-Trichlorophenol	130	U	130	300	ug/Kg
95-95-4	2,4,5-Trichlorophenol	130	U	130	300	ug/Kg
92-52-4	1,1-Biphenyl	150	U	150	300	ug/Kg
91-58-7	2-Chloronaphthalene	150	U	150	300	ug/Kg
88-74-4	2-Nitroaniline	170	U	170	300	ug/Kg
131-11-3	Dimethylphthalate	140	U	140	300	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-110-SB02	SDG No.:	Q1194
Lab Sample ID:	Q1194-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	57
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141350.D	1	01/28/25 09:56	01/31/25 23:37	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	150	U	150	300	ug/Kg
606-20-2	2,6-Dinitrotoluene	150	U	150	300	ug/Kg
99-09-2	3-Nitroaniline	160	UQ	160	300	ug/Kg
83-32-9	Acenaphthene	140	U	140	300	ug/Kg
51-28-5	2,4-Dinitrophenol	430	U	430	580	ug/Kg
100-02-7	4-Nitrophenol	200	U	200	580	ug/Kg
132-64-9	Dibenzofuran	150	U	150	300	ug/Kg
121-14-2	2,4-Dinitrotoluene	150	U	150	300	ug/Kg
84-66-2	Diethylphthalate	140	U	140	300	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	150	U	150	300	ug/Kg
86-73-7	Fluorene	150	U	150	300	ug/Kg
100-01-6	4-Nitroaniline	190	U	190	300	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	210	U	210	580	ug/Kg
86-30-6	n-Nitrosodiphenylamine	140	U	140	300	ug/Kg
101-55-3	4-Bromophenyl-phenylether	140	U	140	300	ug/Kg
118-74-1	Hexachlorobenzene	150	U	150	300	ug/Kg
1912-24-9	Atrazine	160	U	160	300	ug/Kg
87-86-5	Pentachlorophenol	140	U	140	580	ug/Kg
85-01-8	Phenanthrene	150	U	150	300	ug/Kg
120-12-7	Anthracene	150	U	150	300	ug/Kg
86-74-8	Carbazole	140	U	140	300	ug/Kg
84-74-2	Di-n-butylphthalate	150	U	150	300	ug/Kg
206-44-0	Fluoranthene	140	U	140	300	ug/Kg
129-00-0	Pyrene	150	U	150	300	ug/Kg
85-68-7	Butylbenzylphthalate	170	U	170	300	ug/Kg
91-94-1	3,3-Dichlorobenzidine	170	UQ	170	580	ug/Kg
56-55-3	Benzo(a)anthracene	140	U	140	300	ug/Kg
218-01-9	Chrysene	140	U	140	300	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	160	U	160	300	ug/Kg
117-84-0	Di-n-octyl phthalate	190	U	190	580	ug/Kg
205-99-2	Benzo(b)fluoranthene	140	U	140	300	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-110-SB02	SDG No.:	Q1194
Lab Sample ID:	Q1194-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	57
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141350.D	1	01/28/25 09:56	01/31/25 23:37	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	140	U	140	300	ug/Kg
50-32-8	Benzo(a)pyrene	160	U	160	300	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	140	U	140	300	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	140	U	140	300	ug/Kg
191-24-2	Benzo(g,h,i)perylene	140	U	140	300	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	150	U	150	300	ug/Kg
123-91-1	1,4-Dioxane	190	U	190	300	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	130	U	130	300	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	73.0		30 (18) - 130 (112)	49%	SPK: 150
13127-88-3	Phenol-d6	69.9		30 (15) - 130 (107)	47%	SPK: 150
4165-60-0	Nitrobenzene-d5	47.9		30 (18) - 130 (107)	48%	SPK: 100
321-60-8	2-Fluorobiphenyl	46.0		30 (20) - 130 (109)	46%	SPK: 100
118-79-6	2,4,6-Tribromophenol	61.9		30 (10) - 130 (116)	41%	SPK: 150
1718-51-0	Terphenyl-d14	35.0		30 (10) - 130 (105)	35%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	149000	6.798
1146-65-2	Naphthalene-d8	594000	8.081
15067-26-2	Acenaphthene-d10	307000	9.834
1517-22-2	Phenanthrene-d10	442000	11.322
1719-03-5	Chrysene-d12	305000	13.963
1520-96-3	Perylene-d12	279000	15.416

TENTATIVE IDENTIFIED COMPOUNDS

004744-10-9	Propane, 1,1-dimethoxy-	130	JB	2.15	ug/Kg
000119-61-9	Benzophenone	140	J	10.5	ug/Kg
000057-10-3	n-Hexadecanoic acid	230	J	11.9	ug/Kg
000123-79-5	Hexanedioic acid, dioctyl ester	500	J	13.5	ug/Kg
	unknown13.869	130	J	13.9	ug/Kg
000112-95-8	Eicosane	140	J	15.1	ug/Kg
	unknown16.739	140	J	16.7	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-110-SB02	SDG No.:	Q1194
Lab Sample ID:	Q1194-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	57
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141350.D	1	01/28/25 09:56	01/31/25 23:37	PB166294

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\BF013125\
Data File : BF141350.D
Acq On : 31 Jan 2025 23:37
Operator : RC/JU
Sample : Q1194-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-110-SB02

Quant Time: Feb 01 00:05:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	149181	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	593714	20.000	ng	0.00
39) Acenaphthene-d10	9.834	164	307017	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	441643	20.000	ng	0.00
76) Chrysene-d12	13.963	240	304741	20.000	ng	-0.01
86) Perylene-d12	15.416	264	278986	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	709624	73.026	ng	0.01
7) Phenol-d6	6.440	99	863941	69.888	ng	0.00
23) Nitrobenzene-d5	7.357	82	539898	47.938	ng	-0.01
42) 2,4,6-Tribromophenol	10.628	330	174209	61.894	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	918116	46.029	ng	0.00
79) Terphenyl-d14	12.910	244	692428	35.041	ng	0.00

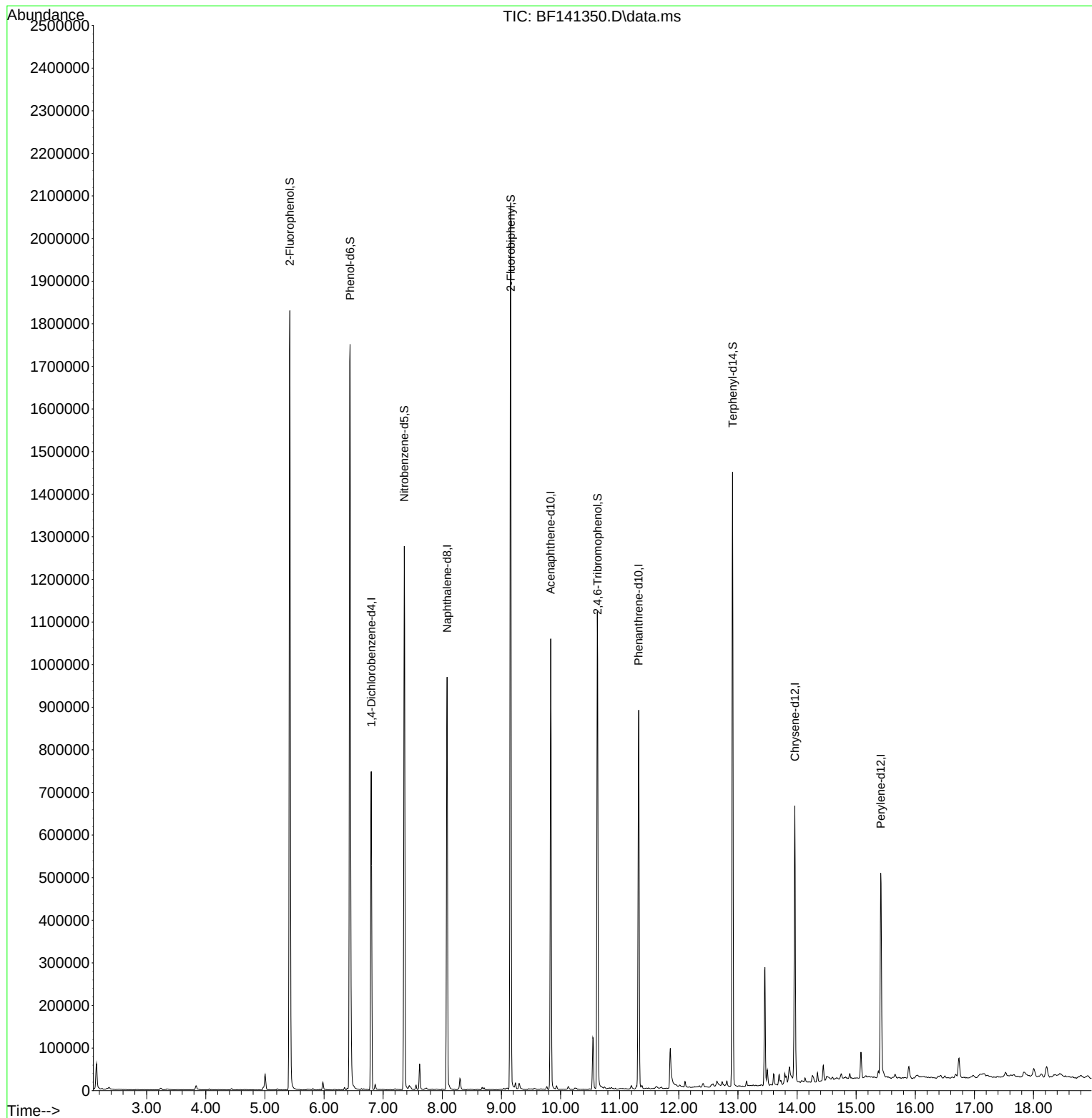
Target Compounds	Qvalue

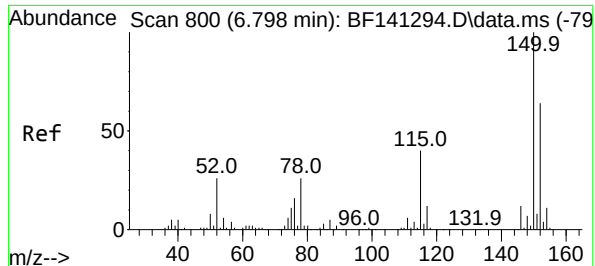
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141350.D
Acq On : 31 Jan 2025 23:37
Operator : RC/JU
Sample : Q1194-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-110-SB02

Quant Time: Feb 01 00:05:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

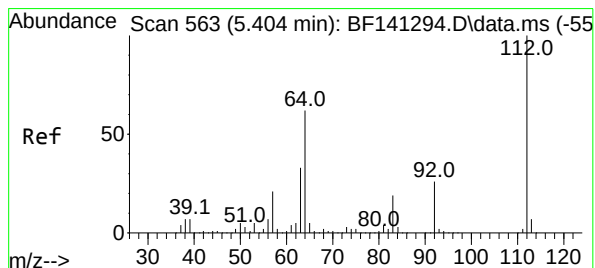
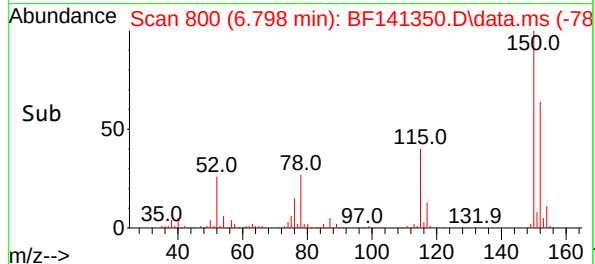
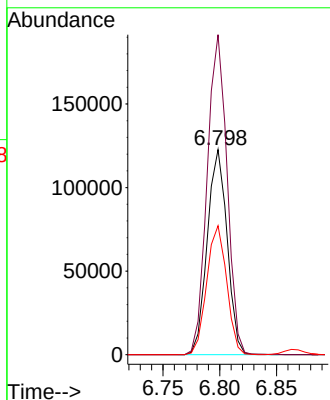
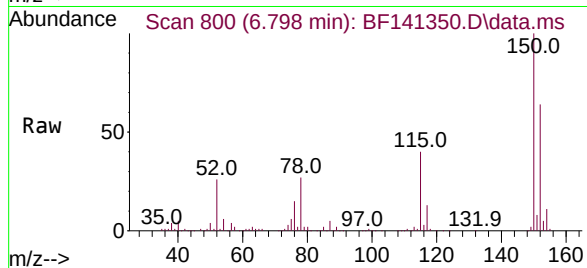




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF141350.D
Acq: 31 Jan 2025 23:37

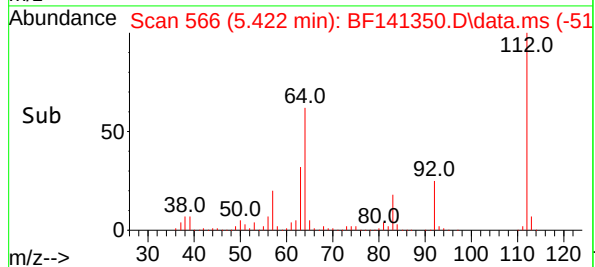
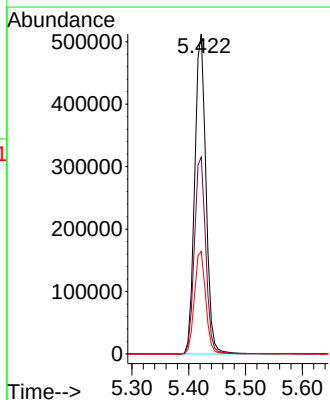
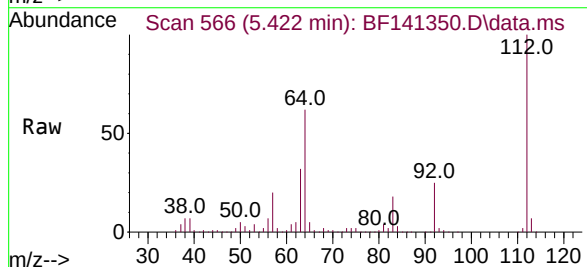
Instrument :
BNA_F
ClientSampleId :
B-110-SB02

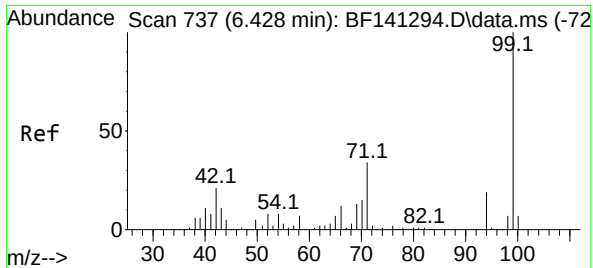
Tgt Ion:152 Resp: 149181
Ion Ratio Lower Upper
152 100
150 156.0 125.9 188.9
115 62.8 49.7 74.5



#5
2-Fluorophenol
Concen: 73.026 ng
RT: 5.422 min Scan# 566
Delta R.T. 0.012 min
Lab File: BF141350.D
Acq: 31 Jan 2025 23:37

Tgt Ion:112 Resp: 709624
Ion Ratio Lower Upper
112 100
64 61.6 49.8 74.8
63 32.1 26.1 39.1





#7

Phenol-d6

Concen: 69.888 ng

RT: 6.440 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF141350.D

Acq: 31 Jan 2025 23:37

Instrument :

BNA_F

ClientSampleId :

B-110-SB02

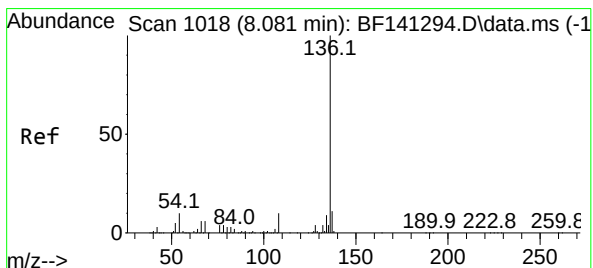
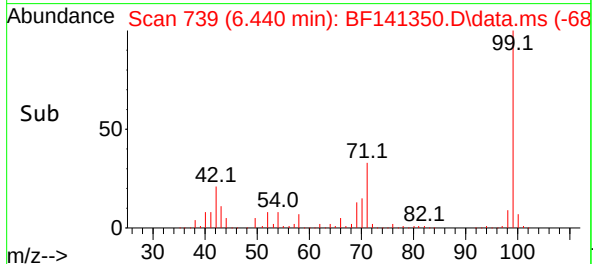
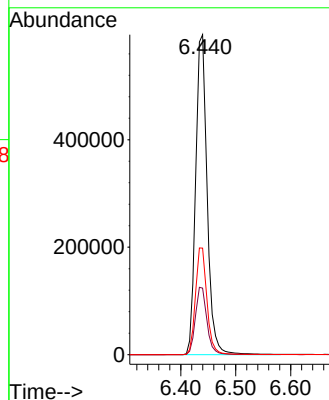
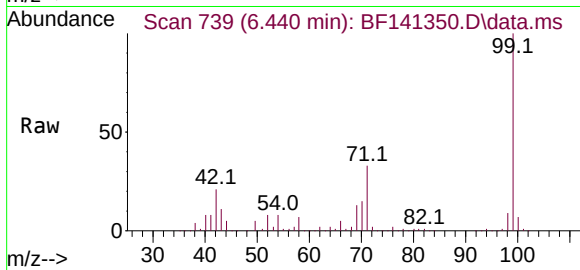
Tgt Ion: 99 Resp: 863941

Ion Ratio Lower Upper

99 100

42 20.8 17.1 25.7

71 33.3 26.9 40.3



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.081 min Scan# 1018

Delta R.T. -0.006 min

Lab File: BF141350.D

Acq: 31 Jan 2025 23:37

Tgt Ion: 136 Resp: 593714

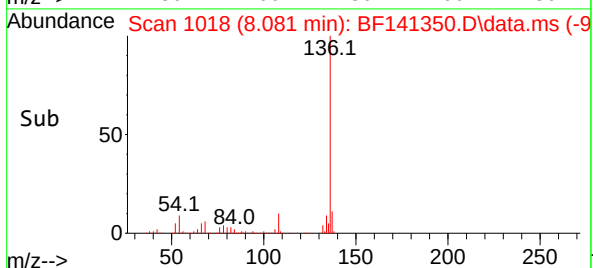
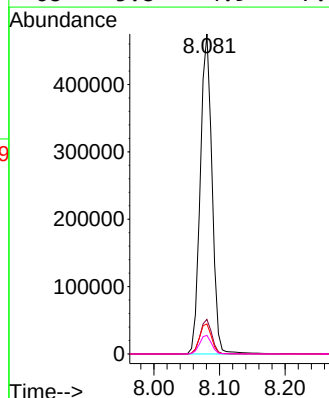
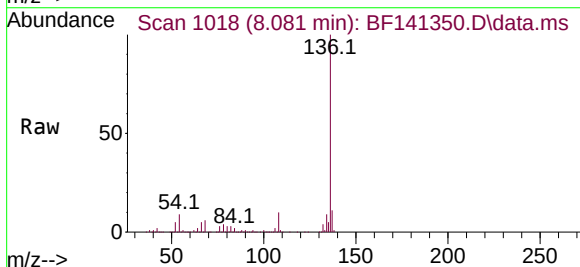
Ion Ratio Lower Upper

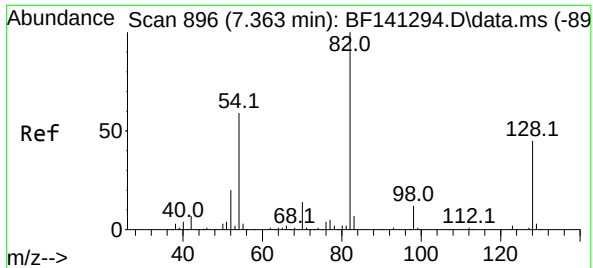
136 100

137 10.8 8.6 13.0

54 9.4 7.8 11.8

68 5.8 4.9 7.3





#23

Nitrobenzene-d5

Concen: 47.938 ng

RT: 7.357 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF141350.D

Acq: 31 Jan 2025 23:37

Instrument :

BNA_F

ClientSampleId :

B-110-SB02

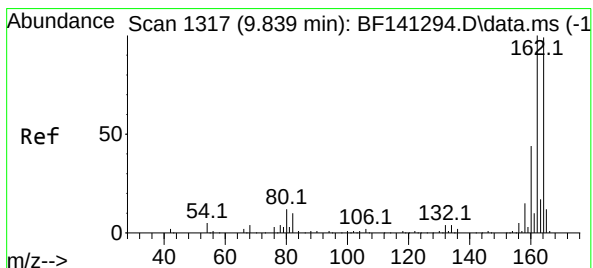
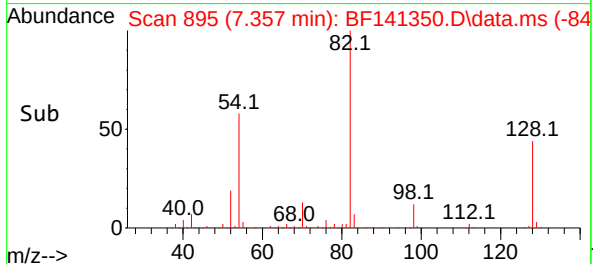
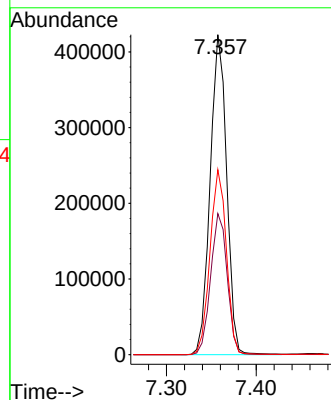
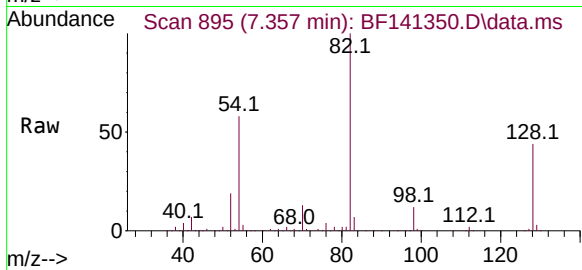
Tgt Ion: 82 Resp: 539898

Ion Ratio Lower Upper

82 100

128 44.1 35.7 53.5

54 57.8 47.1 70.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.834 min Scan# 1316

Delta R.T. -0.006 min

Lab File: BF141350.D

Acq: 31 Jan 2025 23:37

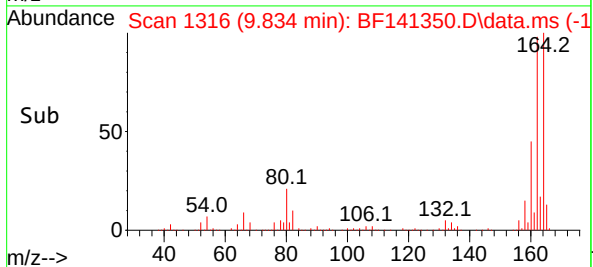
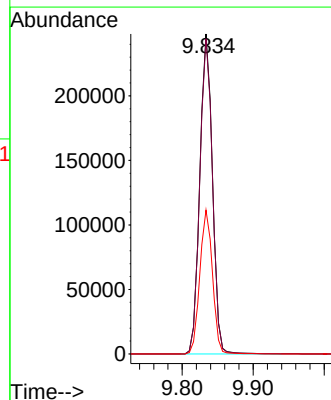
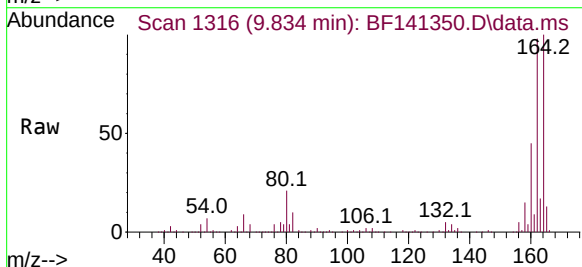
Tgt Ion:164 Resp: 307017

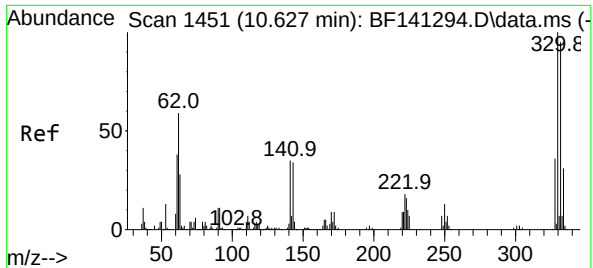
Ion Ratio Lower Upper

164 100

162 98.5 80.6 121.0

160 44.9 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 61.894 ng

RT: 10.628 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF141350.D

Acq: 31 Jan 2025 23:37

Instrument :

BNA_F

ClientSampleId :

B-110-SB02

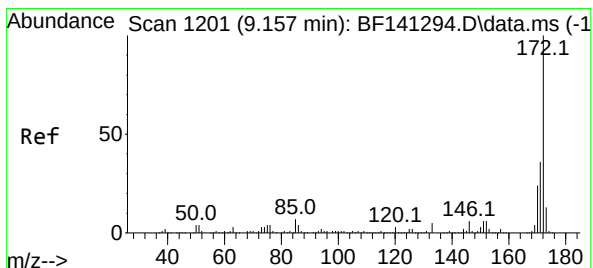
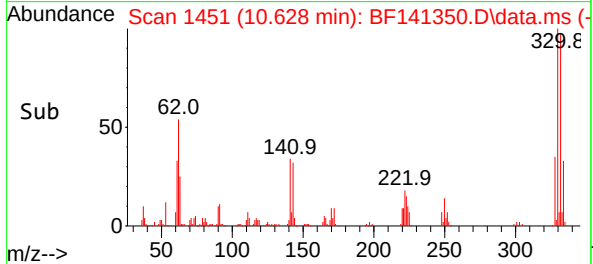
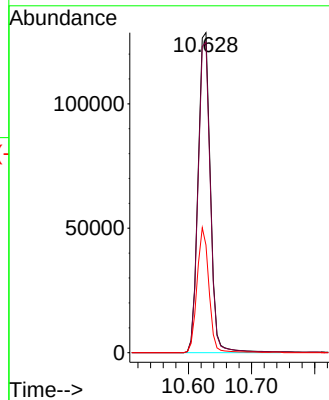
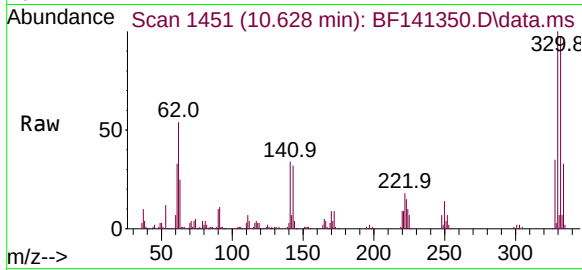
Tgt Ion:330 Resp: 174209

Ion Ratio Lower Upper

330 100

332 97.1 76.1 114.1

141 37.7 28.8 43.2



#45

2-Fluorobiphenyl

Concen: 46.029 ng

RT: 9.157 min Scan# 1201

Delta R.T. -0.006 min

Lab File: BF141350.D

Acq: 31 Jan 2025 23:37

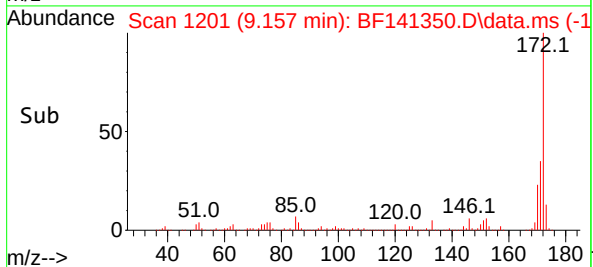
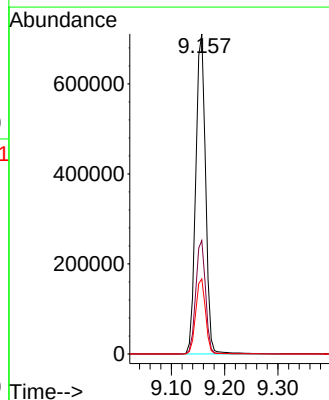
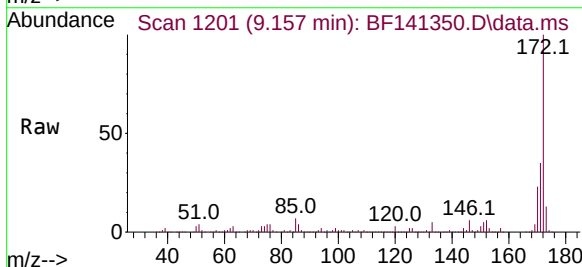
Tgt Ion:172 Resp: 918116

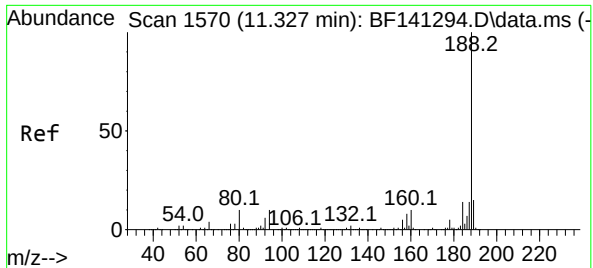
Ion Ratio Lower Upper

172 100

171 35.4 28.8 43.2

170 23.4 19.0 28.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.322 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141350.D

Acq: 31 Jan 2025 23:37

Instrument :

BNA_F

ClientSampleId :

B-110-SB02

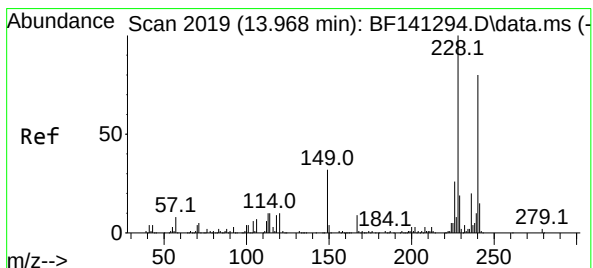
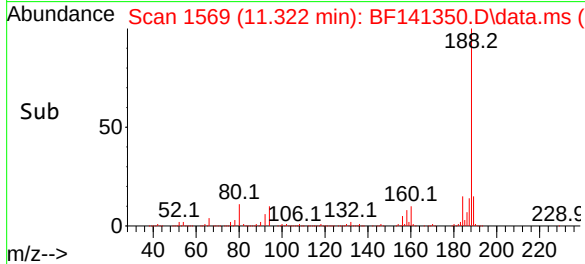
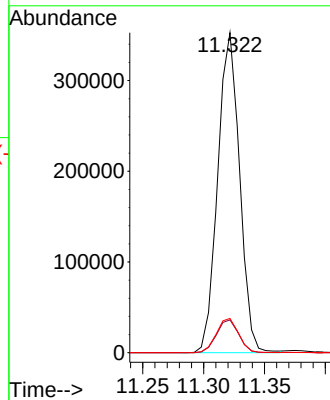
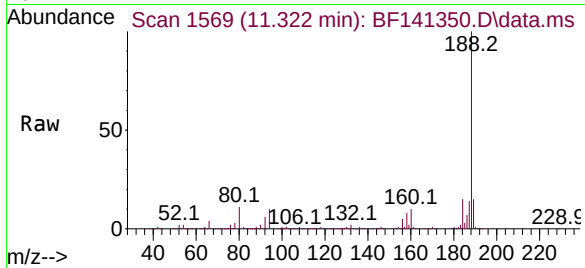
Tgt Ion:188 Resp: 441643

Ion Ratio Lower Upper

188 100

94 10.3 7.8 11.6

80 10.7 8.2 12.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.963 min Scan# 2018

Delta R.T. -0.012 min

Lab File: BF141350.D

Acq: 31 Jan 2025 23:37

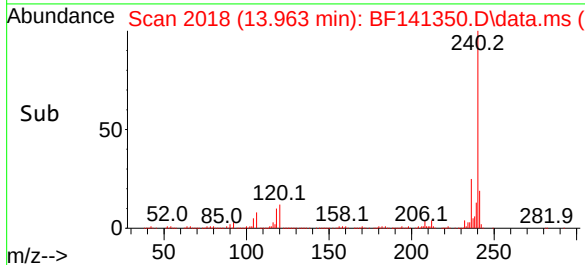
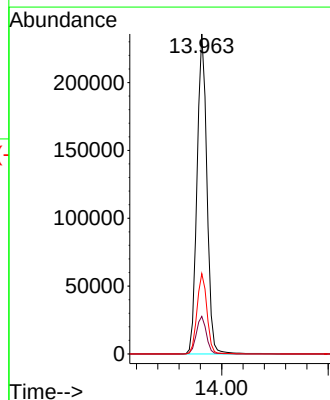
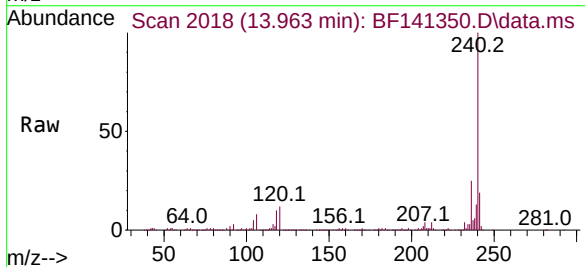
Tgt Ion:240 Resp: 304741

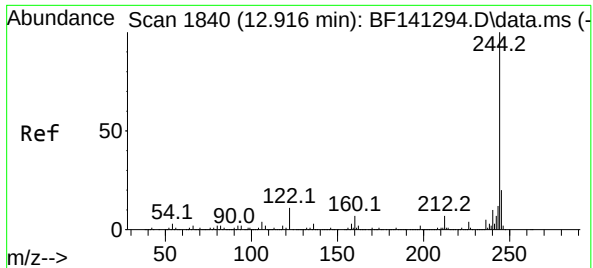
Ion Ratio Lower Upper

240 100

120 11.7 10.0 15.0

236 25.1 19.7 29.5





#79

Terphenyl-d14

Concen: 35.041 ng

RT: 12.910 min Scan# 1839

Delta R.T. -0.006 min

Lab File: BF141350.D

Acq: 31 Jan 2025 23:37

Instrument :

BNA_F

ClientSampleId :

B-110-SB02

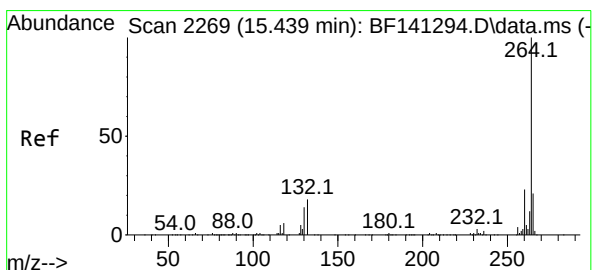
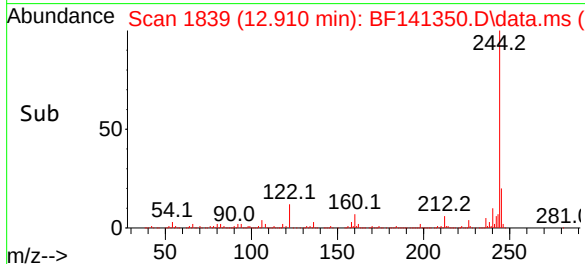
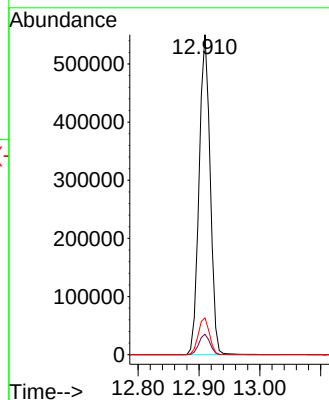
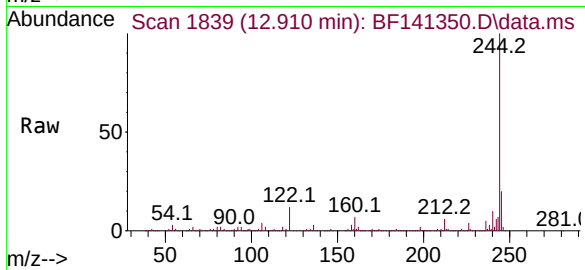
Tgt Ion:244 Resp: 692428

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

122 11.5 8.8 13.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.416 min Scan# 2265

Delta R.T. -0.024 min

Lab File: BF141350.D

Acq: 31 Jan 2025 23:37

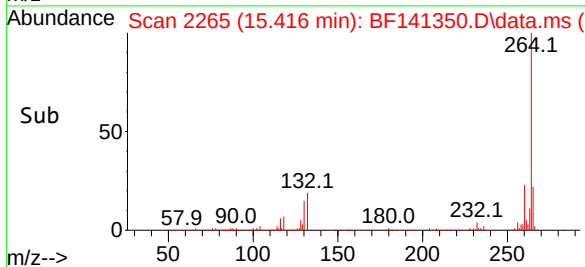
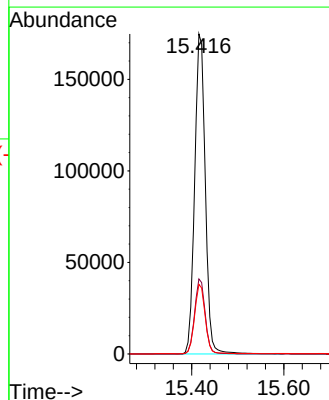
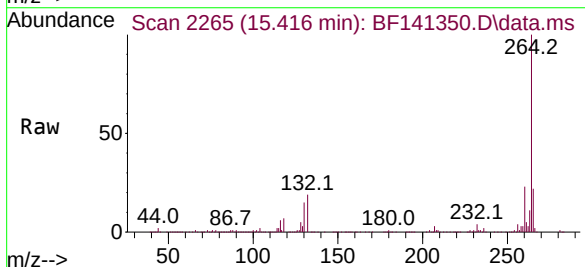
Tgt Ion:264 Resp: 278986

Ion Ratio Lower Upper

264 100

260 23.4 18.6 27.8

265 21.7 16.7 25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
 Data File : BF141350.D
 Acq On : 31 Jan 2025 23:37
 Operator : RC/JU
 Sample : Q1194-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-110-SB02

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141350.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.152	4	10	22	rVB	59286	97211	3.63%	0.470%
2	5.004	490	495	504	rVB	35582	55478	2.07%	0.269%
3	5.422	560	566	585	rBV	1828388	2543144	95.07%	12.308%
4	5.981	656	661	668	rBV	18356	26825	1.00%	0.130%
5	6.440	733	739	760	rVB	1747970	2560707	95.72%	12.393%
6	6.798	795	800	805	rBV	746852	910293	34.03%	4.406%
7	7.357	889	895	900	rBV	1275670	1623521	60.69%	7.857%
8	7.616	933	939	945	rBV	60043	75587	2.83%	0.366%
9	8.081	1012	1018	1023	rBV	968117	1205587	45.07%	5.835%
10	8.298	1047	1055	1064	rBV2	26077	39732	1.49%	0.192%
11	9.157	1195	1201	1206	rBV	2080955	2675103	100.00%	12.947%
12	9.298	1221	1225	1238	rVB2	14270	28305	1.06%	0.137%
13	9.834	1311	1316	1329	rBV	1057602	1315880	49.19%	6.369%
14	10.545	1433	1437	1445	rBV	121589	161615	6.04%	0.782%
15	10.622	1445	1450	1461	rBV	1119682	1465773	54.79%	7.094%
16	11.322	1564	1569	1575	rVB	884623	1105615	41.33%	5.351%
17	11.857	1655	1660	1683	rBV2	93595	216106	8.08%	1.046%
18	12.645	1789	1794	1805	rBV10	11570	28622	1.07%	0.139%
19	12.910	1833	1839	1844	rBV	1441850	1814580	67.83%	8.782%
20	13.457	1926	1932	1936	rBV	277474	371571	13.89%	1.798%
21	13.498	1936	1939	1945	rVB2	36623	53361	1.99%	0.258%
22	13.604	1953	1957	1962	rBV	25897	35501	1.33%	0.172%
23	13.698	1968	1973	1976	rBV2	25010	37251	1.39%	0.180%
24	13.792	1985	1989	1992	rBV	23767	34952	1.31%	0.169%
25	13.869	1997	2002	2011	rVV5	36652	96260	3.60%	0.466%
26	13.963	2012	2018	2026	rVB	648027	872438	32.61%	4.222%
27	14.263	2064	2069	2078	rBV2	15693	33487	1.25%	0.162%
28	14.345	2079	2083	2089	rBV6	21839	30361	1.13%	0.147%
29	14.445	2095	2100	2104	rBV	36437	50161	1.88%	0.243%
30	14.504	2106	2110	2122	rVV10	8736	31005	1.16%	0.150%
31	15.080	2203	2208	2214	rBV	60933	89710	3.35%	0.434%
32	15.416	2260	2265	2279	rVB	479146	768196	28.72%	3.718%
33	15.892	2341	2346	2356	rVB	28518	55379	2.07%	0.268%
34	16.739	2484	2490	2500	rVB2	45399	90729	3.39%	0.439%
35	18.221	2736	2742	2751	rVB7	24674	62034	2.32%	0.300%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141350.D
Acq On : 31 Jan 2025 23:37
Operator : RC/JU
Sample : Q1194-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-110-SB02

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

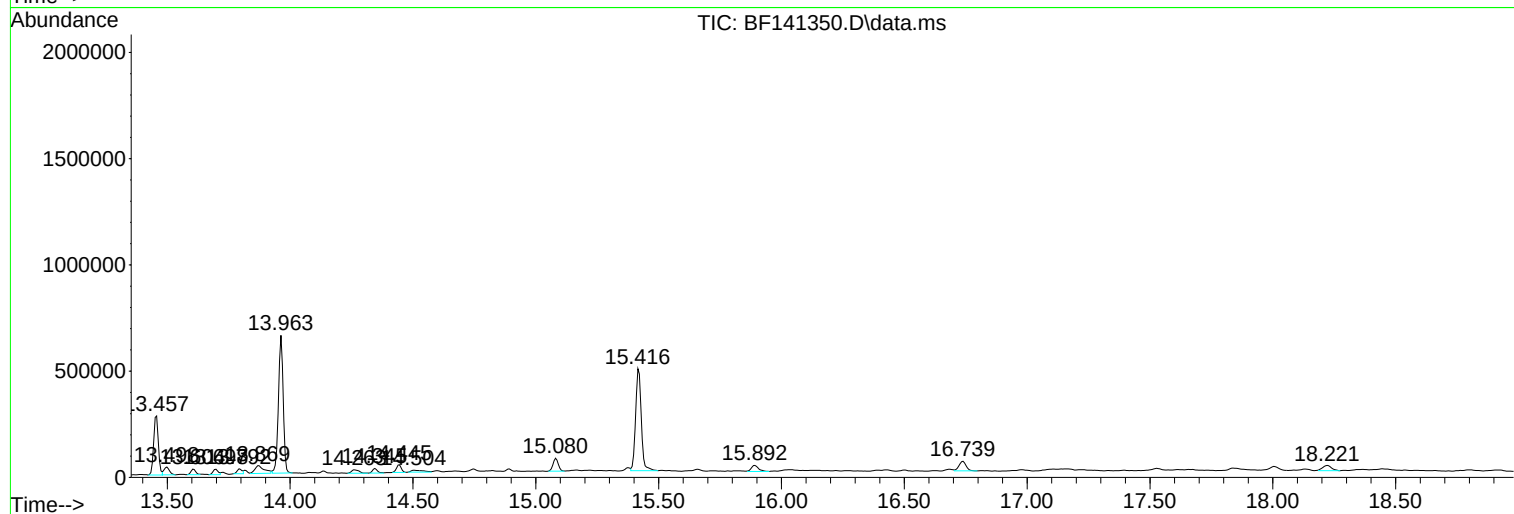
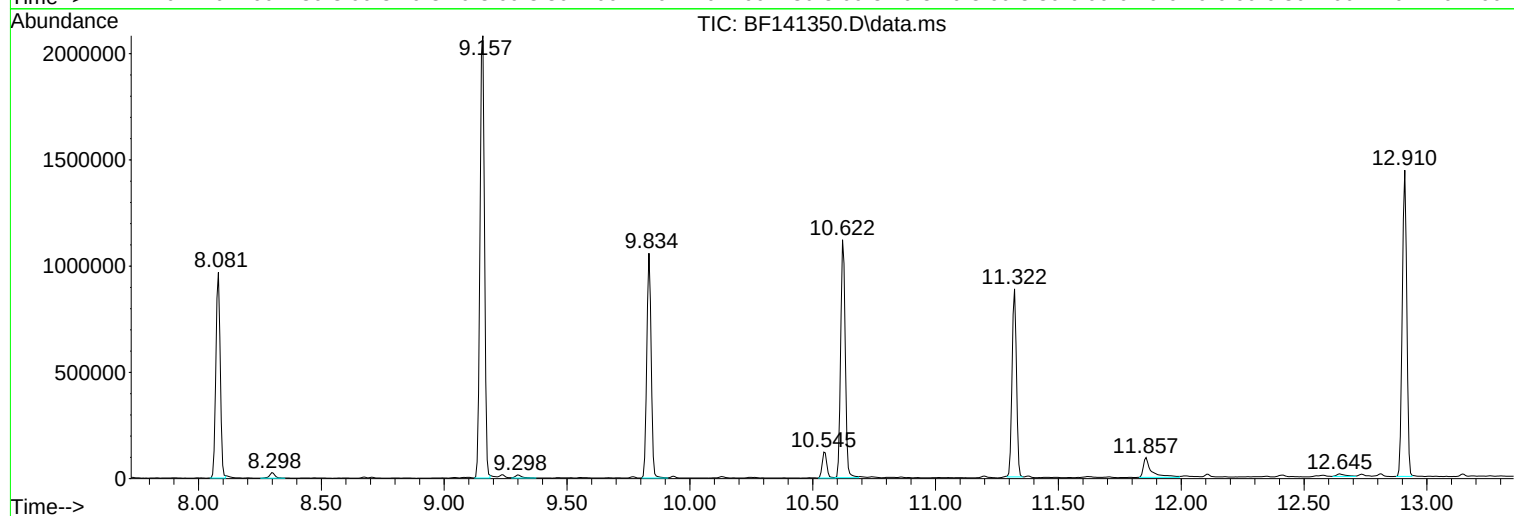
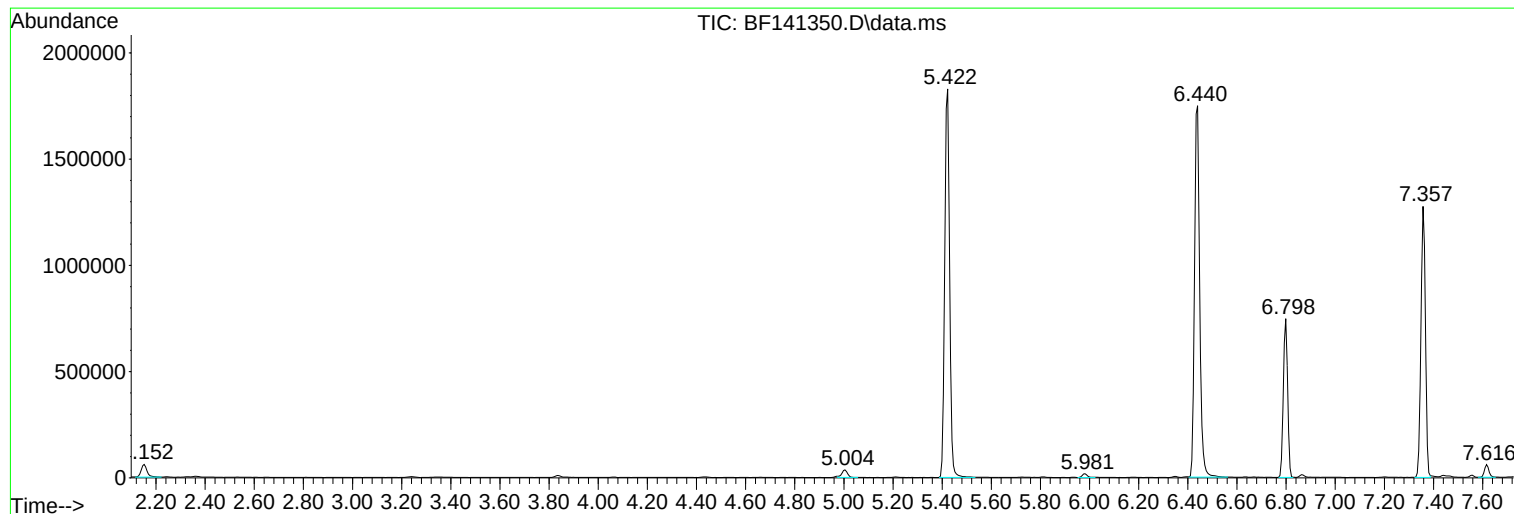
Sum of corrected areas: 20662080

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141350.D
Acq On : 31 Jan 2025 23:37
Operator : RC/JU
Sample : Q1194-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-110-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.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\BF013125\
Data File : BF141350.D
Acq On : 31 Jan 2025 23:37
Operator : RC/JU
Sample : Q1194-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-110-SB02

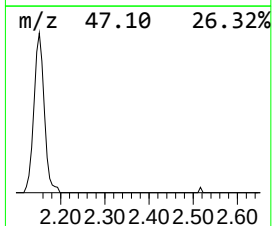
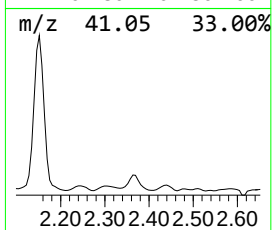
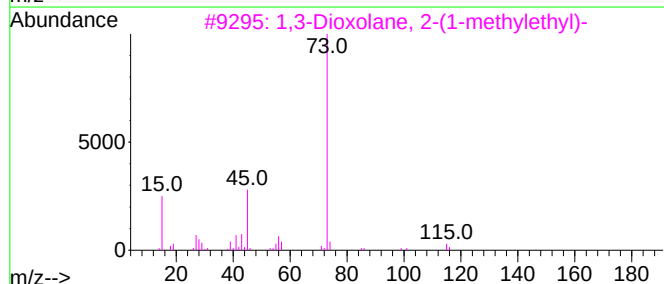
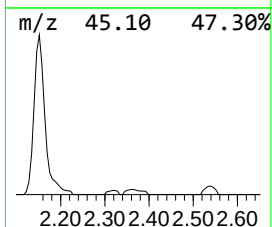
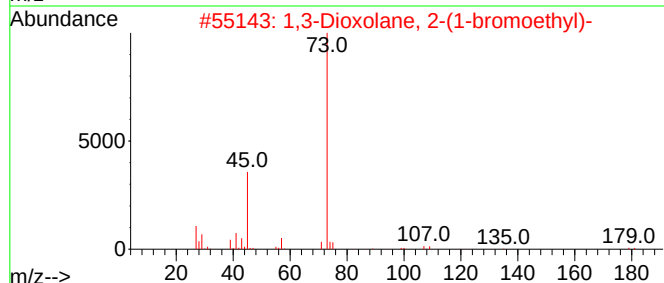
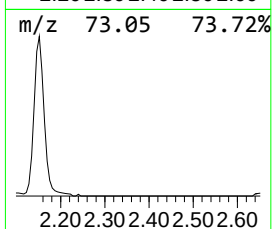
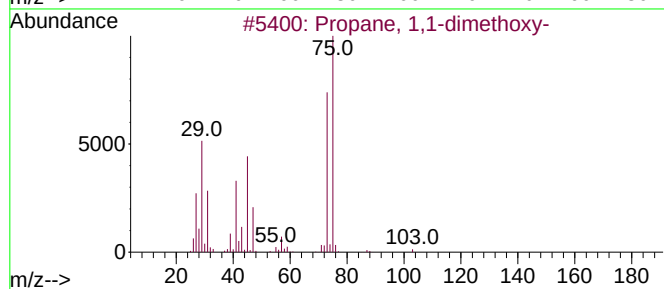
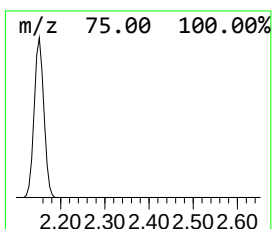
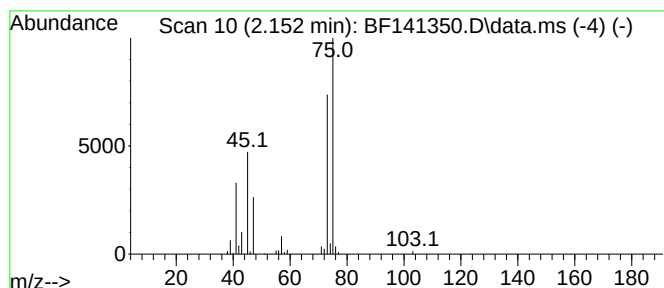
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Propane, 1,1-dimethoxy- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.152	2.14 ng	97211	1,4-Dichlorobenzene-d4	6.798

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Propane, 1,1-dimethoxy-	104	C5H12O2	004744-10-9	78
2			1,3-Dioxolane, 2-(1-bromoethyl)-	180	C5H9BrO2	005267-73-2	27
3			1,3-Dioxolane, 2-(1-methylethyl)-	116	C6H12O2	000822-83-3	27
4			Pentane, 3-methoxy-	102	C6H14O	036839-67-5	16
5			2,5-Diethoxy-3-methyl-3-vinylhexane	214	C13H26O2	1000432-70-8	10



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141350.D
Acq On : 31 Jan 2025 23:37
Operator : RC/JU
Sample : Q1194-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-110-SB02

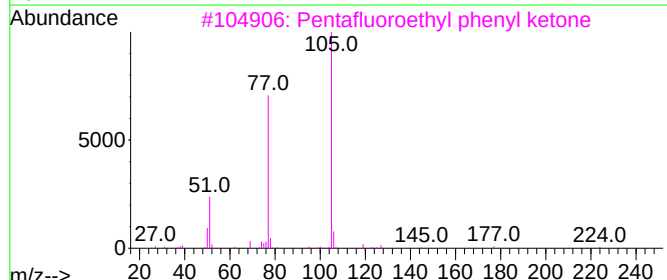
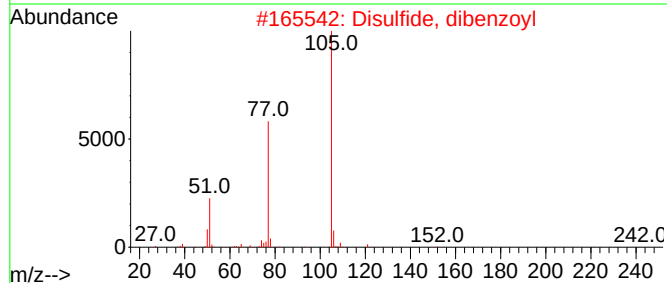
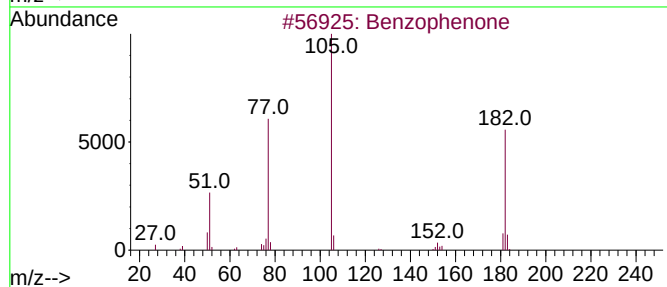
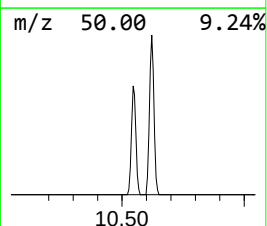
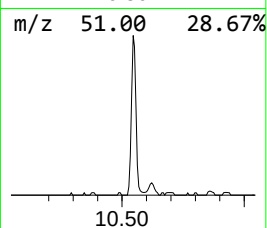
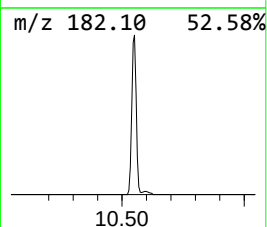
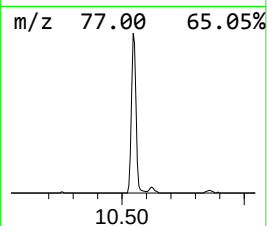
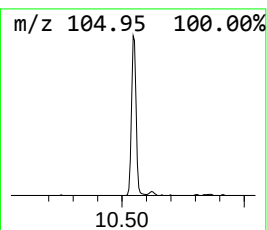
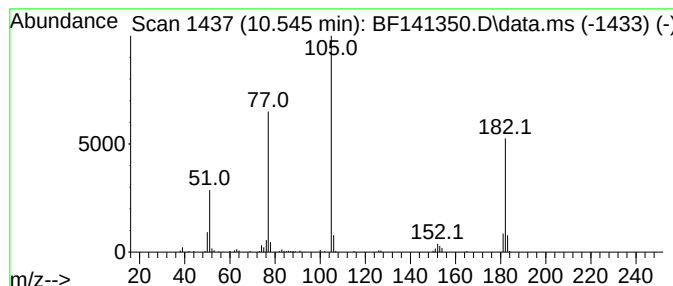
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.545	2.46 ng	161615	Acenaphthene-d10	9.834

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			Disulfide, dibenzoyl	274	C14H10O2S2	000644-32-6	52
3			Pentafluoroethyl phenyl ketone	224	C9H5F5O	000394-52-5	50
4			2-Benzoyl-4-bromo-5-methyl-1,2-o...	281	C11H8BrNO3	1000444-92-3	50
5			Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141350.D
Acq On : 31 Jan 2025 23:37
Operator : RC/JU
Sample : Q1194-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-110-SB02

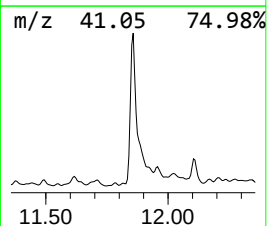
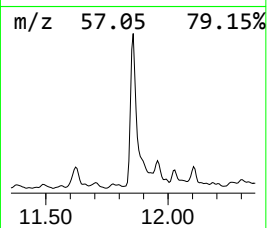
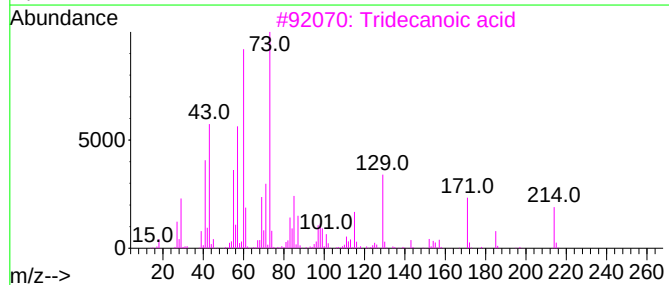
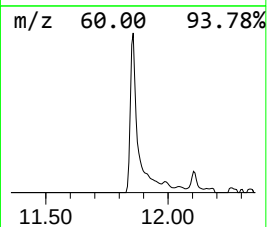
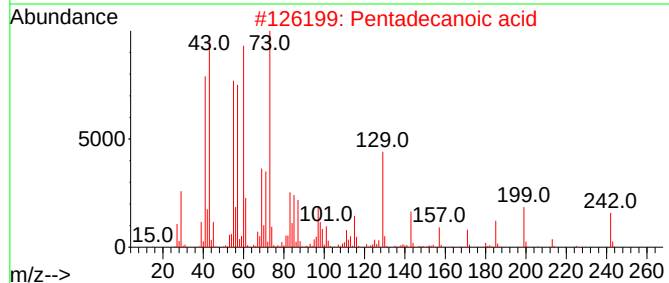
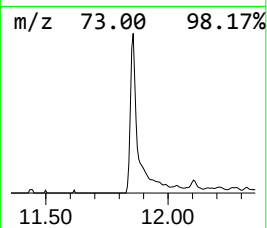
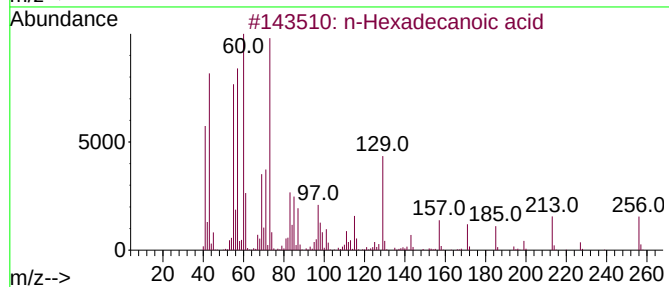
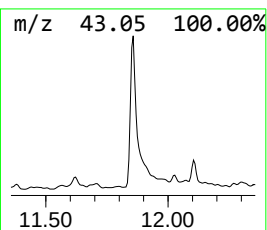
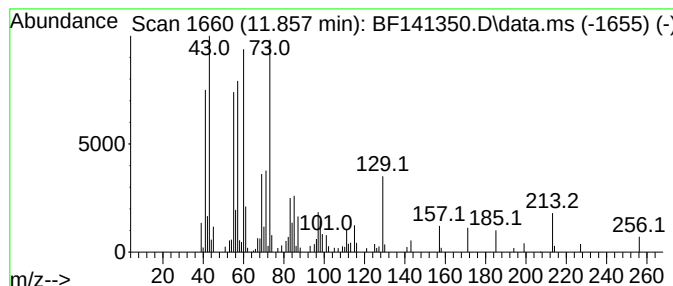
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.857	3.91 ng	216106	Phenanthrene-d10	11.322

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	87
3			Tridecanoic acid	214	C13H26O2	000638-53-9	81
4			Tetradecanoic acid	228	C14H28O2	000544-63-8	80
5			Dodecanoic acid	200	C12H24O2	000143-07-7	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141350.D
Acq On : 31 Jan 2025 23:37
Operator : RC/JU
Sample : Q1194-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

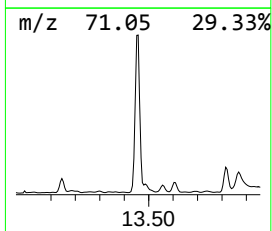
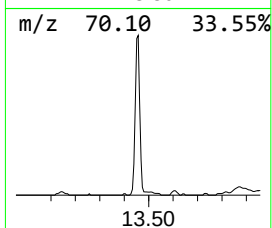
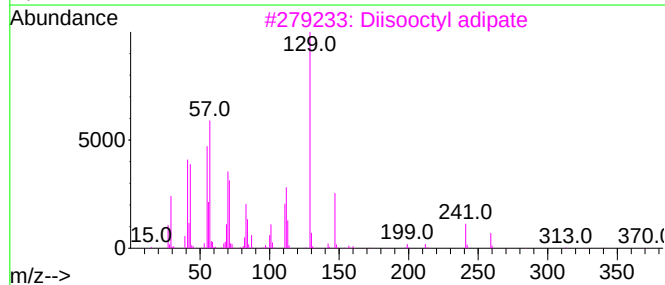
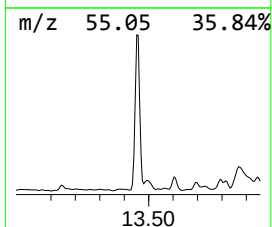
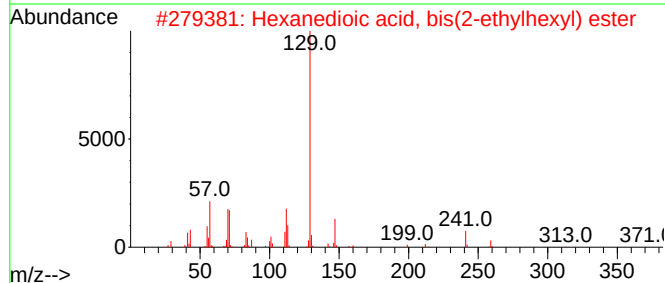
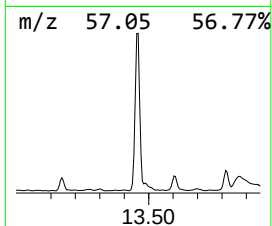
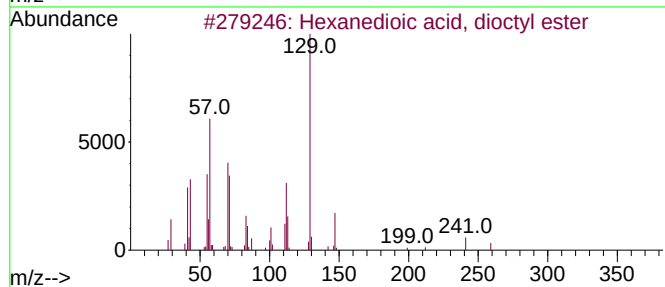
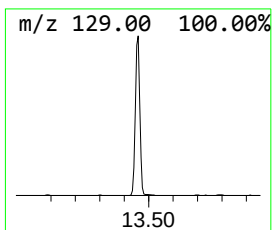
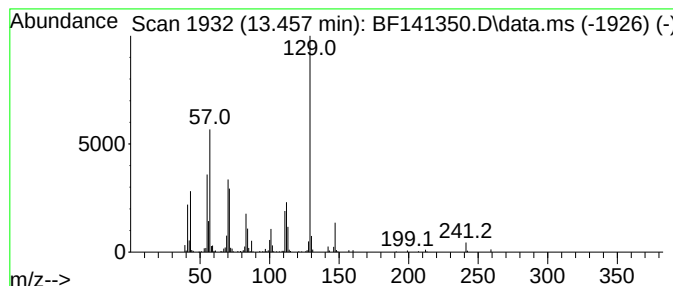
Instrument :
BNA_F
ClientSampleId :
B-110-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Hexanedioic acid, dioctyl e... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.457	8.52 ng	371571	Chrysene-d12	13.963	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanedioic acid, dioctyl ester	370	C22H42O4	000123-79-5	91
2	Hexanedioic acid, bis(2-ethylhex...	370	C22H42O4	000103-23-1	91
3	Diisooctyl adipate	370	C22H42O4	001330-86-5	86
4	Adipic acid, 2-ethylhexyl octyl ...	370	C22H42O4	1000324-48-6	80
5	Hexanedioic acid, mono(2-ethylhe...	258	C14H26O4	004337-65-9	68



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141350.D
Acq On : 31 Jan 2025 23:37
Operator : RC/JU
Sample : Q1194-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-110-SB02

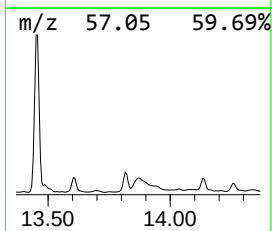
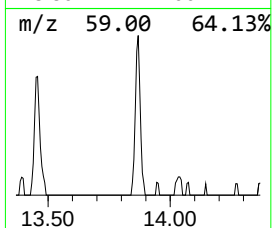
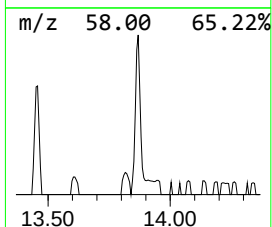
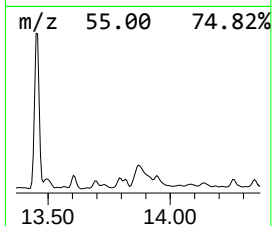
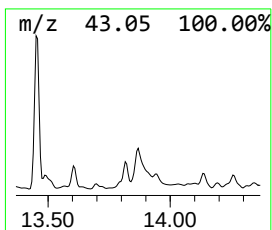
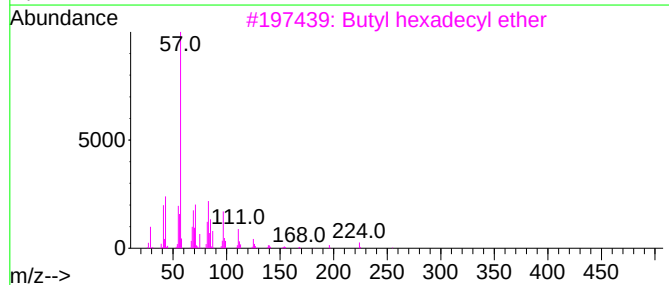
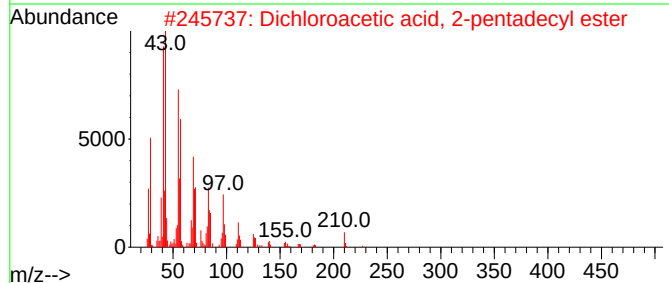
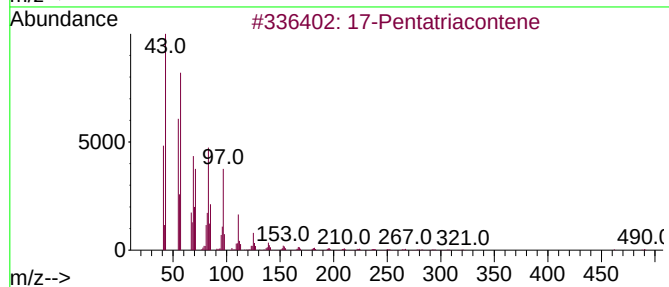
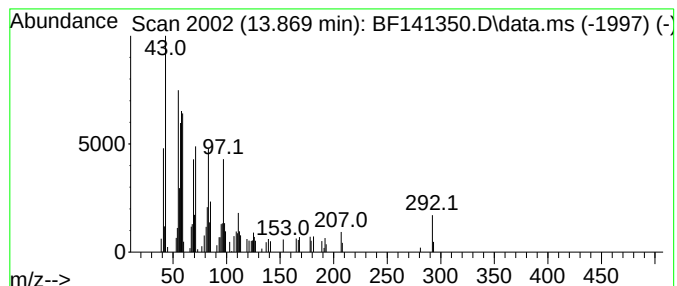
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 unknown13.869 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.869	2.21 ng	96260	Chrysene-d12	13.963

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			17-Pentatriacontene	491	C35H70	006971-40-0	46
2			Dichloroacetic acid, 2-pentadecy...	338	C17H32Cl2O2	1010280-64-7	46
3			Butyl hexadecyl ether	298	C20H42O	1010406-40-5	46
4			Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	42
5			Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	41



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141350.D
Acq On : 31 Jan 2025 23:37
Operator : RC/JU
Sample : Q1194-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-110-SB02

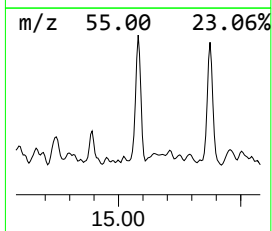
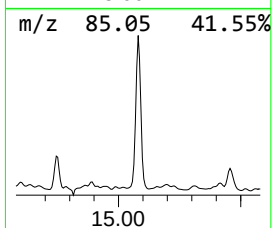
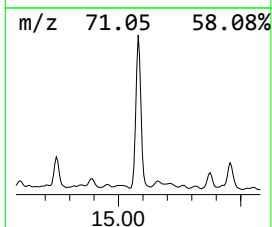
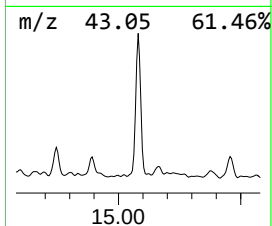
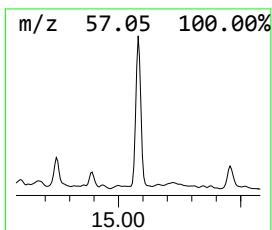
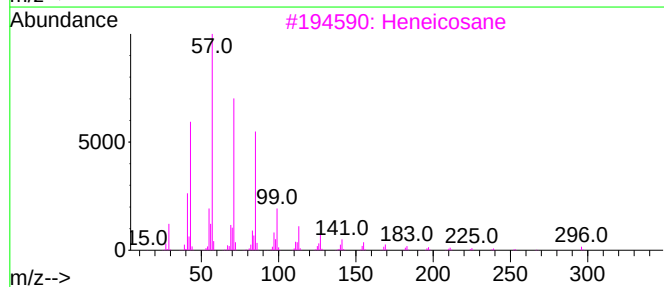
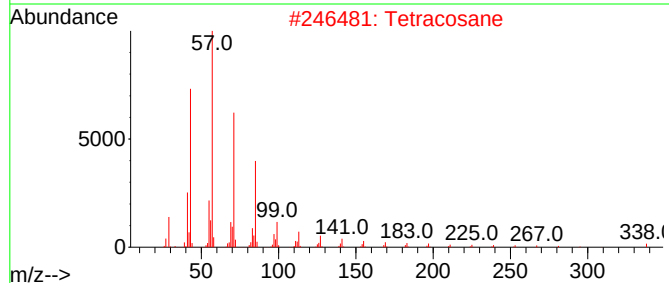
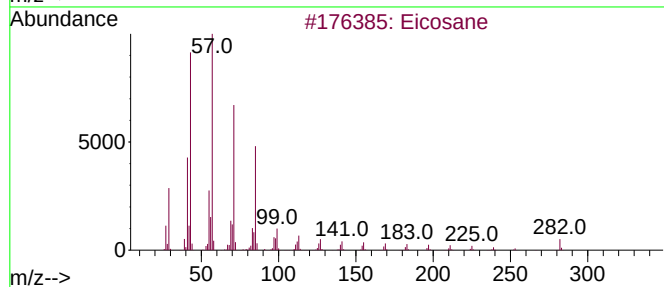
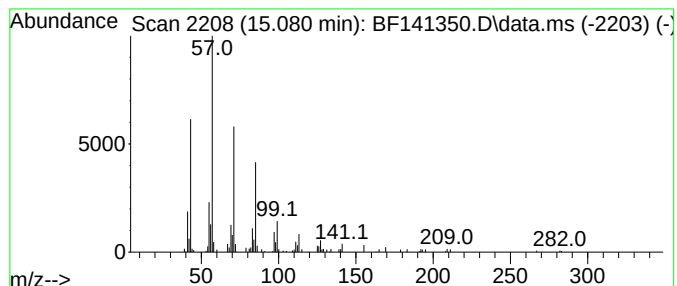
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Eicosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.080	2.34 ng	89710	Perylene-d12	15.416

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Eicosane	282	C20H42	000112-95-8	97
2		Tetracosane	338	C24H50	000646-31-1	91
3		Heneicosane	296	C21H44	000629-94-7	91
4		Octacosane	394	C28H58	000630-02-4	91
5		Hexacosane	366	C26H54	000630-01-3	91

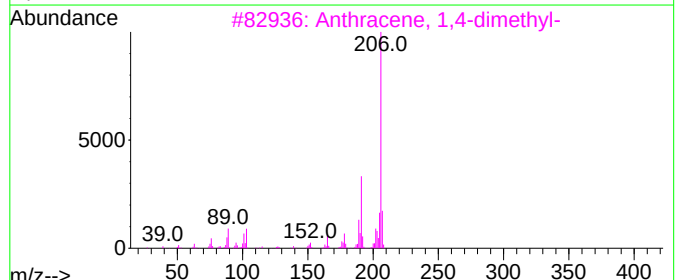
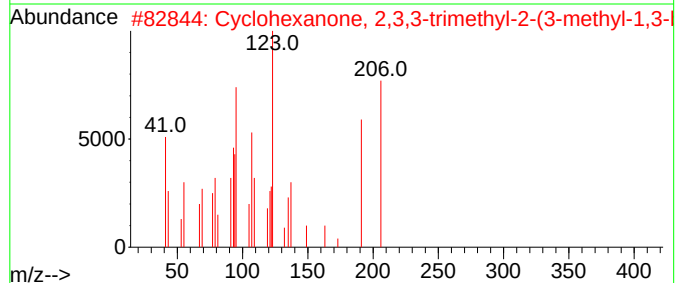
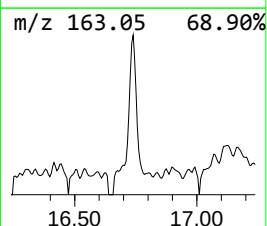
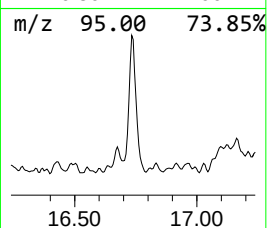
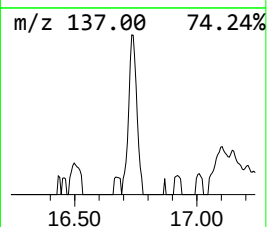
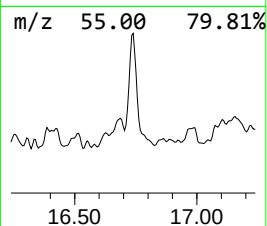
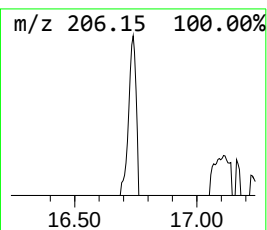


Instrument :
BNA_F
ClientSampleId :
B-110-SB02

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

Peak Number	7	unknown16.739	Concentration Rank	4

R.T.	EstConc	Area	Relative to ISTD		R.T.
16.739	2.36 ng	90729	Perylene-d12		15.416
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	13-nor-Eremophil-1(10)-en-11-one	206	C14H22O	054275-21-7	35
2	Cyclohexanone, 2,3,3-trimethyl-2...	206	C14H22O	069296-91-9	30
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	25
4	Phenanthrene, 7-ethenyl-1,2,3,4,...	272	C20H32	001686-56-2	25
5	1-(2-Hydroxyphenyl)piperazine, N...	206	C12H18N2O	148547-51-7	25



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141350.D
Acq On : 31 Jan 2025 23:37
Operator : RC/JU
Sample : Q1194-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-110-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.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
Propane, 1,1-di...	2.152	2.1	ng	97211	1	6.798	910293	20.0
Benzophenone	10.545	2.5	ng	161615	3	9.834	1315880	20.0
n-Hexadecanoic ...	11.857	3.9	ng	216106	4	11.322	1105620	20.0
Hexanedioic aci...	13.457	8.5	ng	371571	5	13.963	872438	20.0
unknown13.869	13.869	2.2	ng	96260	5	13.963	872438	20.0
Eicosane	15.080	2.3	ng	89710	6	15.416	768196	20.0
unknown16.739	16.739	2.4	ng	90729	6	15.416	768196	20.0

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB01	SDG No.:	Q1194
Lab Sample ID:	Q1194-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	86.9
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
BF141424.D	1	01/28/25 09:56	02/04/25 22:11	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	210	UQ	210	380	ug/Kg
108-95-2	Phenol	95.4	U	95.4	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	96.3	U	96.3	200	ug/Kg
95-57-8	2-Chlorophenol	96.1	U	96.1	200	ug/Kg
95-48-7	2-Methylphenol	92.7	U	92.7	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	200	ug/Kg
98-86-2	Acetophenone	100	U	100	200	ug/Kg
65794-96-9	3+4-Methylphenols	91.8	U	91.8	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	46.4	U	46.4	92.0	ug/Kg
67-72-1	Hexachloroethane	95.5	U	95.5	200	ug/Kg
98-95-3	Nitrobenzene	100	U	100	200	ug/Kg
78-59-1	Isophorone	97.3	U	97.3	200	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	200	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	98.7	U	98.7	200	ug/Kg
120-83-2	2,4-Dichlorophenol	86.9	U	86.9	200	ug/Kg
91-20-3	Naphthalene	95.0	U	95.0	200	ug/Kg
106-47-8	4-Chloroaniline	95.0	UQ	95.0	200	ug/Kg
87-68-3	Hexachlorobutadiene	95.8	U	95.8	200	ug/Kg
105-60-2	Caprolactam	99.9	U	99.9	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	89.2	U	89.2	200	ug/Kg
91-57-6	2-Methylnaphthalene	94.9	U	94.9	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	180	UQ	180	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	82.1	U	82.1	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	85.1	U	85.1	200	ug/Kg
92-52-4	1,1-Biphenyl	100	U	100	200	ug/Kg
91-58-7	2-Chloronaphthalene	95.8	U	95.8	200	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	200	ug/Kg
131-11-3	Dimethylphthalate	94.0	U	94.0	200	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB01	SDG No.:	Q1194
Lab Sample ID:	Q1194-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	86.9
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
BF141424.D	1	01/28/25 09:56	02/04/25 22:11	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	99.5	U	99.5	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	95.7	U	95.7	200	ug/Kg
99-09-2	3-Nitroaniline	100	UQ	100	200	ug/Kg
83-32-9	Acenaphthene	93.3	U	93.3	200	ug/Kg
51-28-5	2,4-Dinitrophenol	280	U	280	380	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	380	ug/Kg
132-64-9	Dibenzofuran	97.1	U	97.1	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	99.2	U	99.2	200	ug/Kg
84-66-2	Diethylphthalate	92.1	U	92.1	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	98.5	U	98.5	200	ug/Kg
86-73-7	Fluorene	110	J	98.4	200	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	U	130	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	93.9	U	93.9	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	90.8	U	90.8	200	ug/Kg
118-74-1	Hexachlorobenzene	97.8	U	97.8	200	ug/Kg
1912-24-9	Atrazine	110	U	110	200	ug/Kg
87-86-5	Pentachlorophenol	88.9	U	88.9	380	ug/Kg
85-01-8	Phenanthrene	820		96.6	200	ug/Kg
120-12-7	Anthracene	180	J	97.1	200	ug/Kg
86-74-8	Carbazole	92.4	U	92.4	200	ug/Kg
84-74-2	Di-n-butylphthalate	97.0	U	97.0	200	ug/Kg
206-44-0	Fluoranthene	600		94.0	200	ug/Kg
129-00-0	Pyrene	430		95.5	200	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	UQ	110	380	ug/Kg
56-55-3	Benzo(a)anthracene	230		92.8	200	ug/Kg
218-01-9	Chrysene	200		91.5	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	100	U	100	200	ug/Kg
117-84-0	Di-n-octyl phthalate	130	U	130	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	180	J	93.3	200	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB01	SDG No.:	Q1194
Lab Sample ID:	Q1194-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	86.9
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
BF141424.D	1	01/28/25 09:56	02/04/25 22:11	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	95.0	U	95.0	200	ug/Kg
50-32-8	Benzo(a)pyrene	170	J	110	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	89.8	U	89.8	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	93.4	U	93.4	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	92.1	U	92.1	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	99.9	U	99.9	200	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	85.9	U	85.9	200	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	110		30 (18) - 130 (112)	74%	SPK: 150
13127-88-3	Phenol-d6	106		30 (15) - 130 (107)	70%	SPK: 150
4165-60-0	Nitrobenzene-d5	76.3		30 (18) - 130 (107)	76%	SPK: 100
321-60-8	2-Fluorobiphenyl	74.1		30 (20) - 130 (109)	74%	SPK: 100
118-79-6	2,4,6-Tribromophenol	107		30 (10) - 130 (116)	71%	SPK: 150
1718-51-0	Terphenyl-d14	60.0		30 (10) - 130 (105)	60%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	70300	6.787
1146-65-2	Naphthalene-d8	280000	8.069
15067-26-2	Acenaphthene-d10	156000	9.822
1517-22-2	Phenanthrene-d10	273000	11.31
1719-03-5	Chrysene-d12	230000	13.951
1520-96-3	Perylene-d12	197000	15.41

TENTATIVE IDENTIFIED COMPOUNDS

004744-10-9	Propane, 1,1-dimethoxy-	120	JB	2.13	ug/Kg
Total PAH	Total PAH	2900	J	9.86	ug/Kg
000119-61-9	Benzophenone	190	J	10.5	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	150	J	11.8	ug/Kg
000832-69-9	Phenanthrene, 1-methyl-	150	J	11.8	ug/Kg
000090-60-8	Benzaldehyde, 3,5-dichloro-2-hydro	300	J	11.9	ug/Kg
000612-94-2	Naphthalene, 2-phenyl-	130	J	12.1	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB01	SDG No.:	Q1194
Lab Sample ID:	Q1194-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	86.9
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
BF141424.D	1	01/28/25 09:56	02/04/25 22:11	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000781-43-1	9,10-Dimethylanthracene	82.8	J		12.4	ug/Kg
	unknown12.398	80.9	J		12.4	ug/Kg
002381-21-7	Pyrene, 1-methyl-	92.8	J		13.1	ug/Kg
000192-97-2	Benzo[e]pyrene	95.1	J		15.3	ug/Kg
000191-26-4	Dibenzo[def,mno]chrysene	86.7	J		16.8	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\BF020425\
 Data File : BF141424.D
 Acq On : 04 Feb 2025 22:11
 Operator : RC/JU
 Sample : Q1194-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-113-SB01

Quant Time: Feb 05 00:35:11 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

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

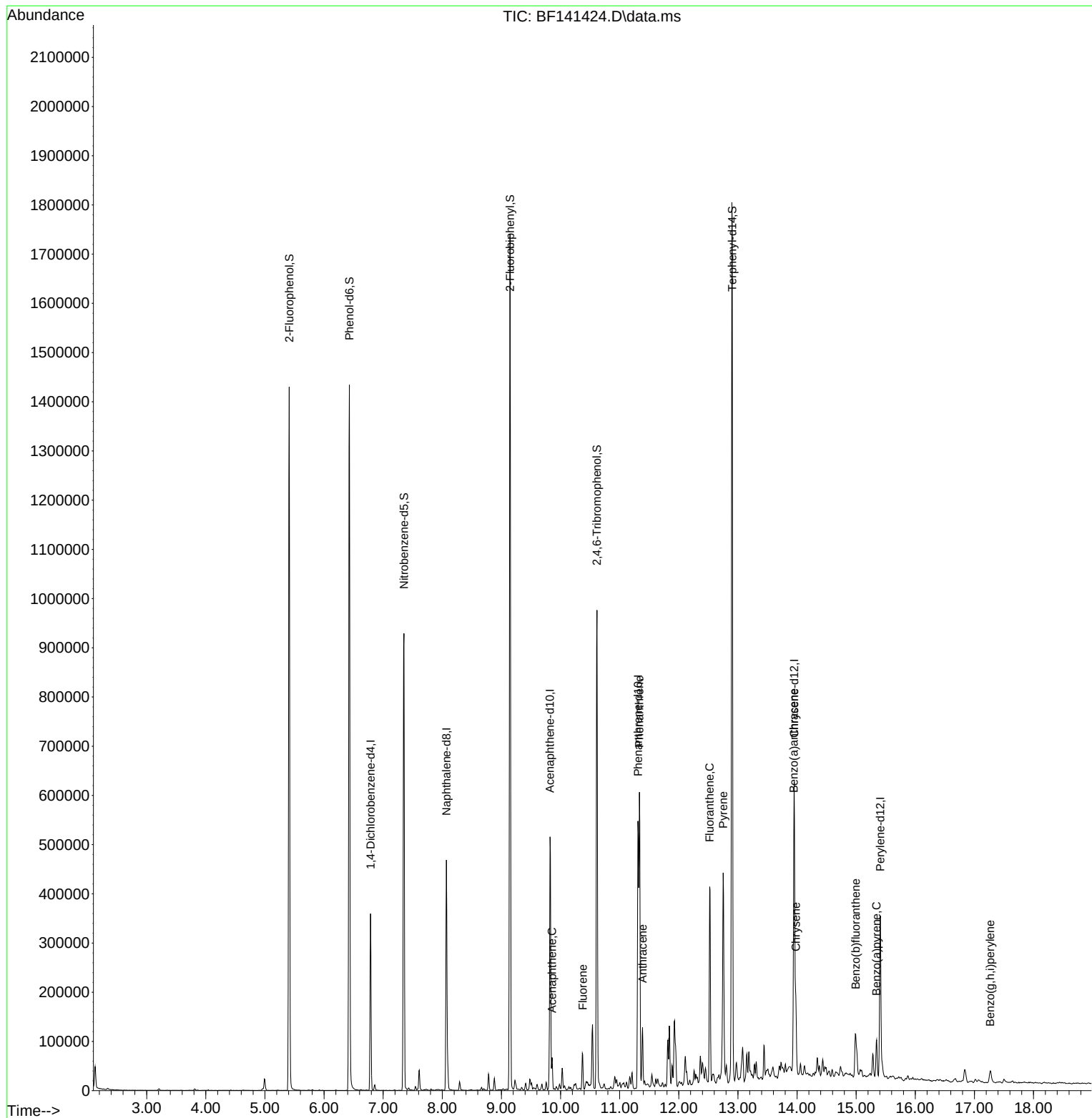
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	70324	20.000	ng	-0.02
21) Naphthalene-d8	8.069	136	279899	20.000	ng	#-0.02
39) Acenaphthene-d10	9.822	164	155548	20.000	ng	-0.02
64) Phenanthrene-d10	11.310	188	272951	20.000	ng	-0.02
76) Chrysene-d12	13.951	240	230042	20.000	ng	-0.02
86) Perylene-d12	15.410	264	197101	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	505129	110.272	ng	0.00
7) Phenol-d6	6.428	99	615541	105.630	ng	-0.01
23) Nitrobenzene-d5	7.351	82	405374	76.349	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	152191	106.725	ng	-0.02
45) 2-Fluorobiphenyl	9.145	172	749004	74.116	ng	-0.02
79) Terphenyl-d14	12.904	244	895307	60.021	ng	-0.01
Target Compounds						
						Qvalue
52) Acenaphthene	9.857	154	19323	2.044	ng	94
58) Fluorene	10.375	166	29386	2.993	ng	96
71) Phenanthrene	11.333	178	314087	21.407	ng	100
72) Anthracene	11.386	178	67226	4.676	ng	99
75) Fluoranthene	12.522	202	228292	15.758	ng	98
78) Pyrene	12.751	202	245180	11.103	ng	98
81) Benzo(a)anthracene	13.945	228	96432	6.075	ng	98
83) Chrysene	13.980	228	76948	5.289	ng	98
88) Benzo(b)fluoranthene	14.992	252	57537m	4.641	ng	
90) Benzo(a)pyrene	15.345	252	46939	4.480	ng	97
92) Benzo(g,h,i)perylene	17.268	276	22883	2.150	ng	96

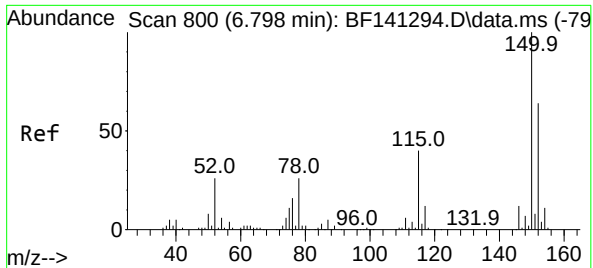
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141424.D
Acq On : 04 Feb 2025 22:11
Operator : RC/JU
Sample : Q1194-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Quant Time: Feb 05 00:35:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

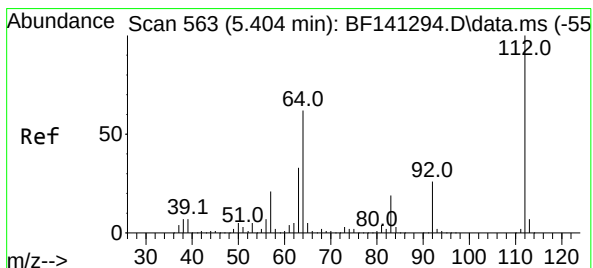
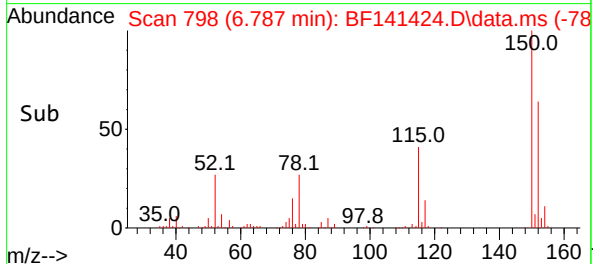
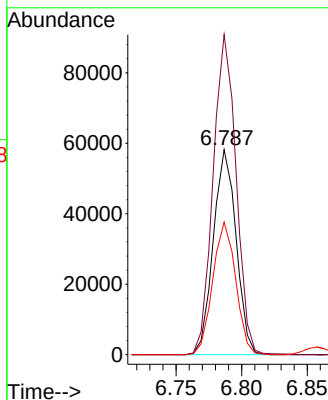
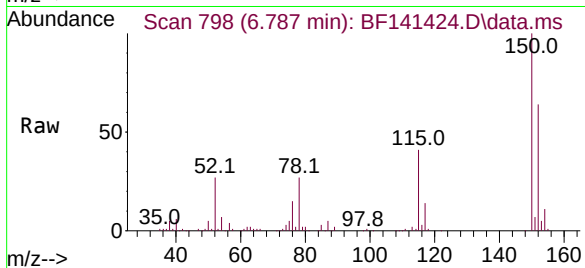




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 79
Delta R.T. -0.017 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

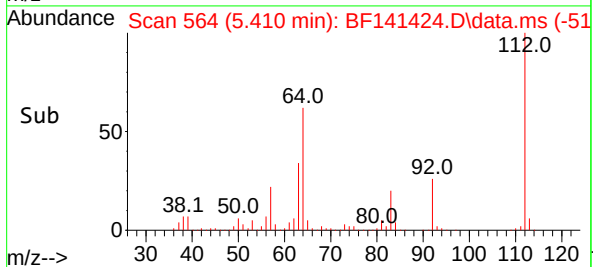
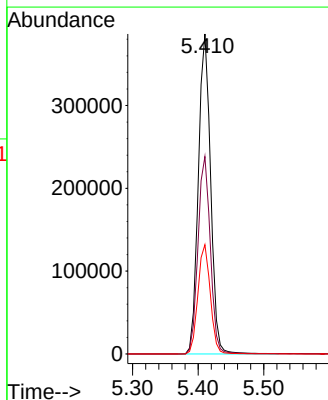
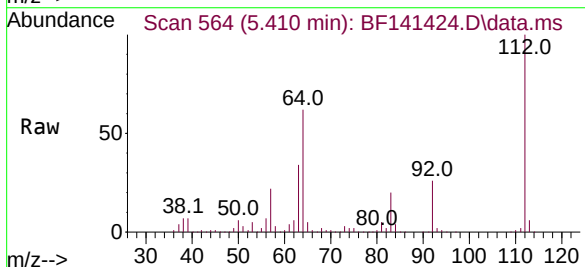
Instrument :
BNA_F
ClientSampleId :
B-113-SB01

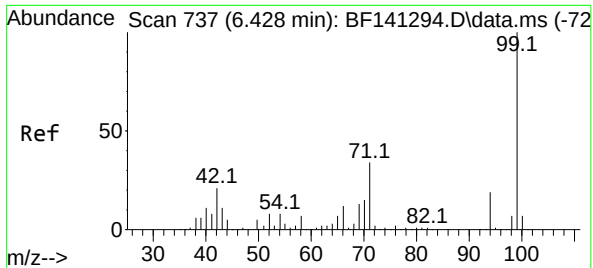
Tgt Ion:152 Resp: 70324
Ion Ratio Lower Upper
152 100
150 156.1 125.9 188.9
115 64.6 49.7 74.5



#5
2-Fluorophenol
Concen: 110.272 ng
RT: 5.410 min Scan# 564
Delta R.T. -0.000 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Tgt Ion:112 Resp: 505129
Ion Ratio Lower Upper
112 100
64 61.7 49.8 74.8
63 34.1 26.1 39.1

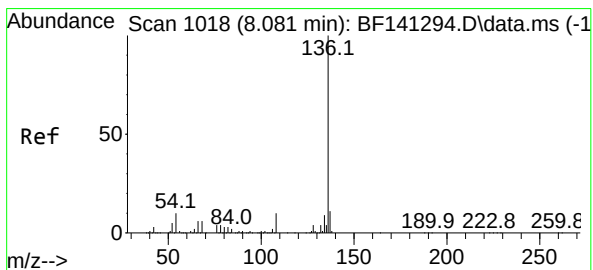
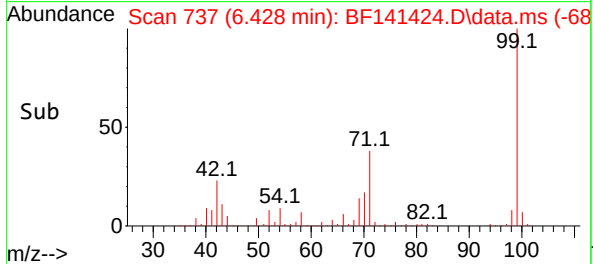
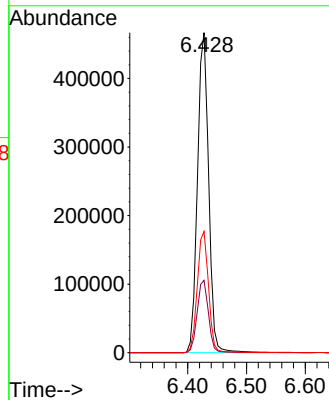
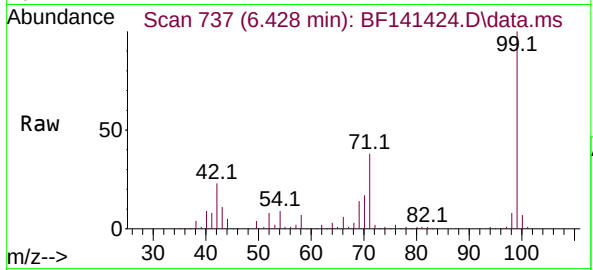




#7
Phenol-d6
Concen: 105.630 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

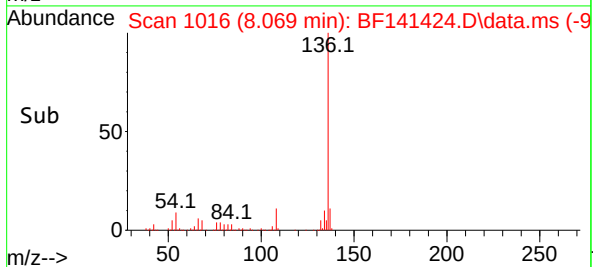
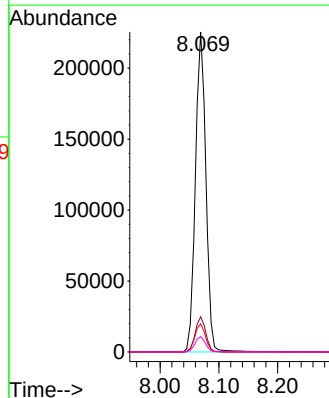
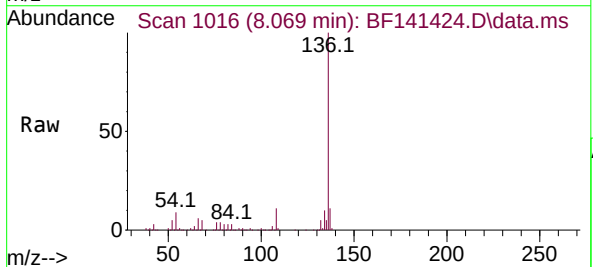
Instrument :
BNA_F
ClientSampleId :
B-113-SB01

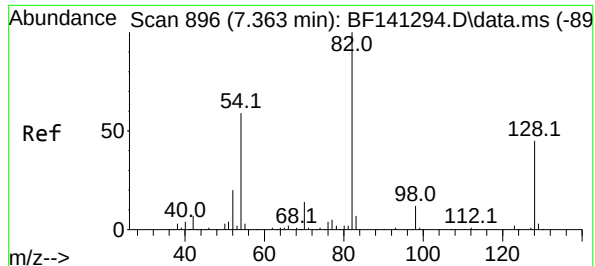
Tgt Ion: 99 Resp: 615541
Ion Ratio Lower Upper
99 100
42 22.6 17.1 25.7
71 37.9 26.9 40.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.018 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Tgt Ion: 136 Resp: 279899
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 8.8 7.8 11.8
68 4.8 4.9 7.3#





#23

Nitrobenzene-d5

Concen: 76.349 ng

RT: 7.351 min Scan# 89

Delta R.T. -0.018 min

Lab File: BF141424.D

Acq: 04 Feb 2025 22:11

Instrument :

BNA_F

ClientSampleId :

B-113-SB01

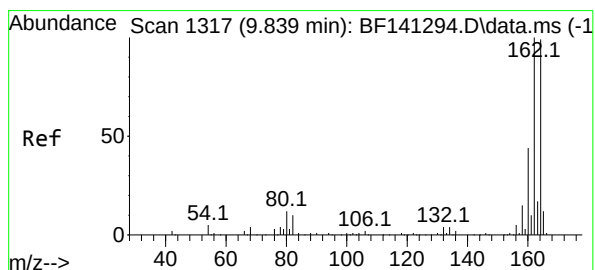
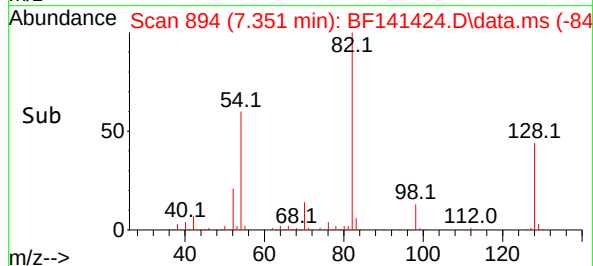
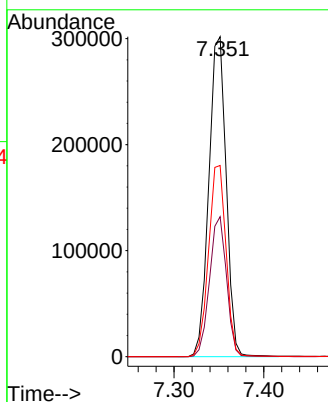
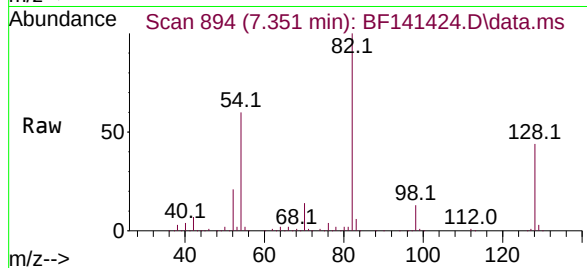
Tgt Ion: 82 Resp: 405374

Ion Ratio Lower Upper

82 100

128 43.8 35.7 53.5

54 59.8 47.1 70.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.822 min Scan# 1314

Delta R.T. -0.018 min

Lab File: BF141424.D

Acq: 04 Feb 2025 22:11

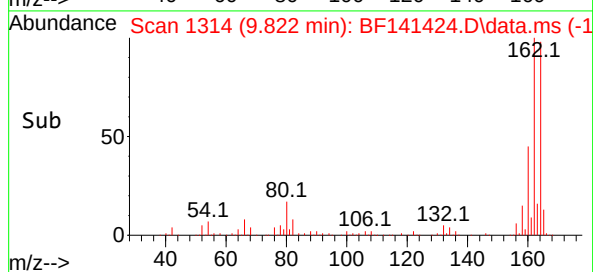
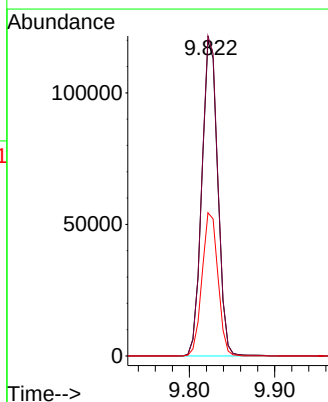
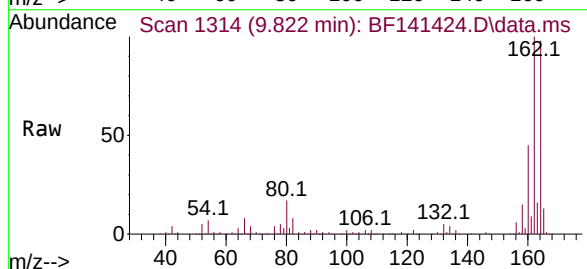
Tgt Ion:164 Resp: 155548

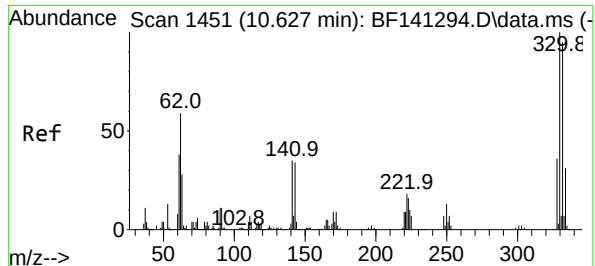
Ion Ratio Lower Upper

164 100

162 101.6 80.6 121.0

160 45.5 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 106.725 ng

RT: 10.616 min Scan# 1451

Delta R.T. -0.018 min

Lab File: BF141424.D

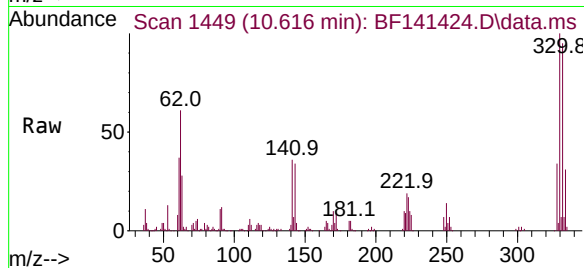
Acq: 04 Feb 2025 22:11

Instrument :

BNA_F

ClientSampleId :

B-113-SB01



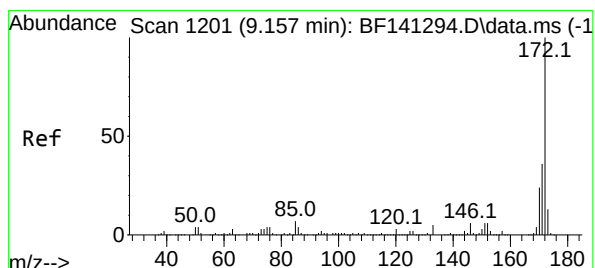
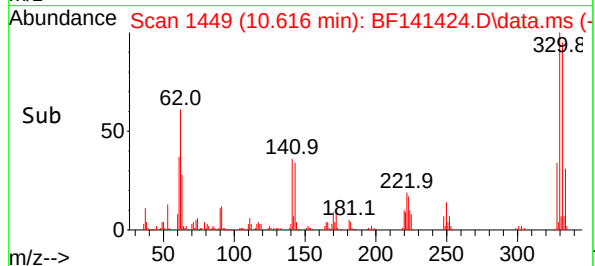
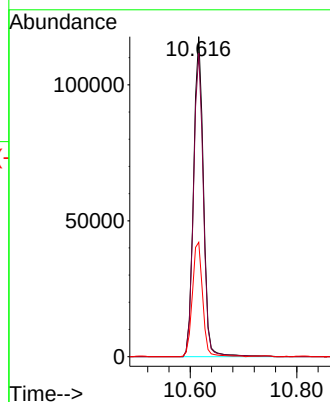
Tgt Ion:330 Resp: 152191

Ion Ratio Lower Upper

330 100

332 94.7 76.1 114.1

141 37.3 28.8 43.2



#45

2-Fluorobiphenyl

Concen: 74.116 ng

RT: 9.145 min Scan# 1199

Delta R.T. -0.018 min

Lab File: BF141424.D

Acq: 04 Feb 2025 22:11

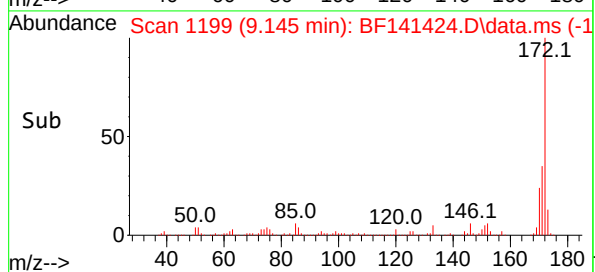
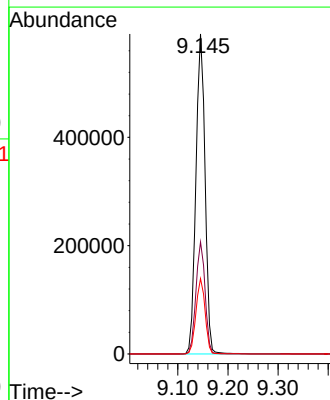
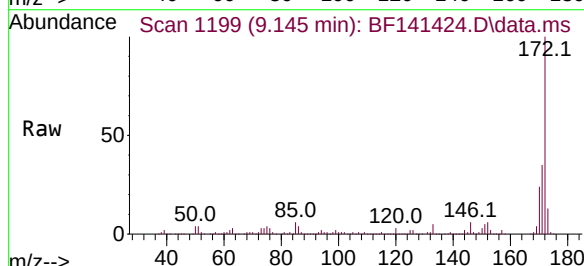
Tgt Ion:172 Resp: 749004

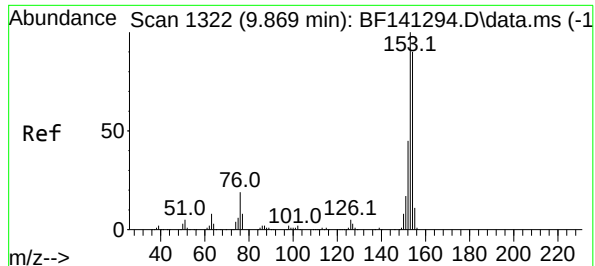
Ion Ratio Lower Upper

172 100

171 35.0 28.8 43.2

170 23.5 19.0 28.6





#52

Acenaphthene

Concen: 2.044 ng

RT: 9.857 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF141424.D

Acq: 04 Feb 2025 22:11

Instrument :

BNA_F

ClientSampleId :

B-113-SB01

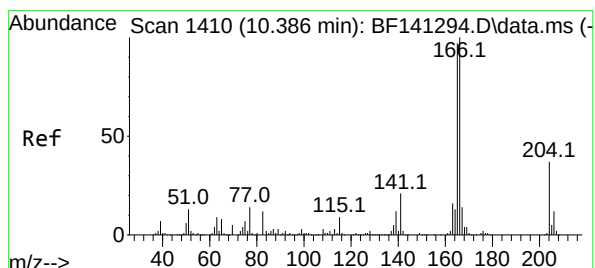
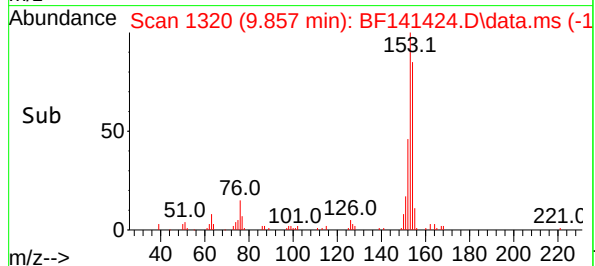
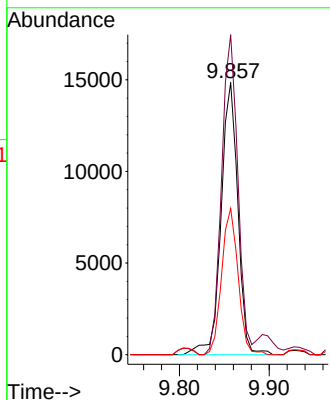
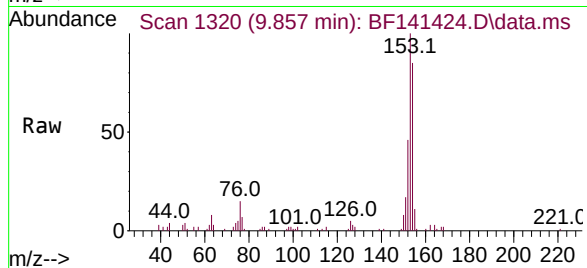
Tgt Ion:154 Resp: 19323

Ion Ratio Lower Upper

154 100

153 117.6 89.0 133.4

152 53.7 40.2 60.4



#58

Fluorene

Concen: 2.993 ng

RT: 10.375 min Scan# 1408

Delta R.T. -0.018 min

Lab File: BF141424.D

Acq: 04 Feb 2025 22:11

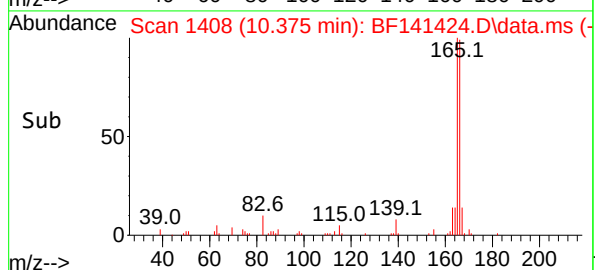
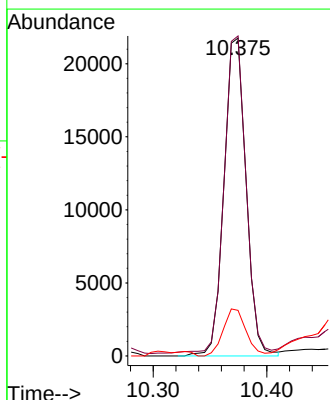
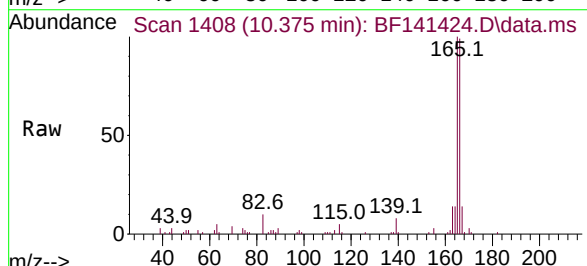
Tgt Ion:166 Resp: 29386

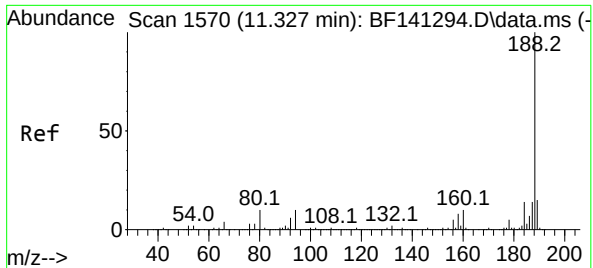
Ion Ratio Lower Upper

166 100

165 100.7 77.5 116.3

167 14.4 10.9 16.3

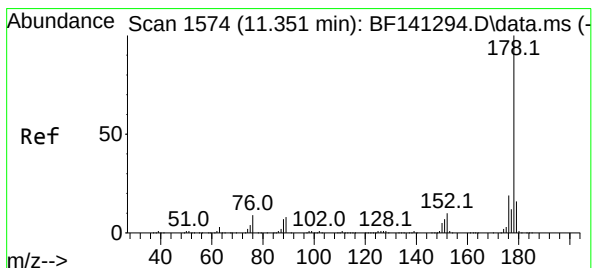
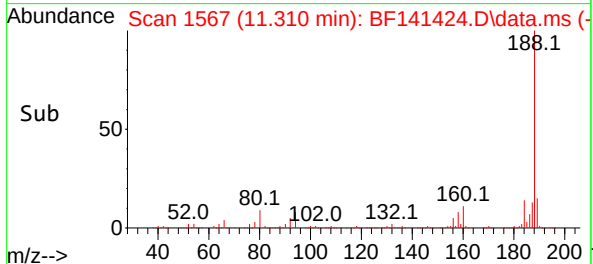
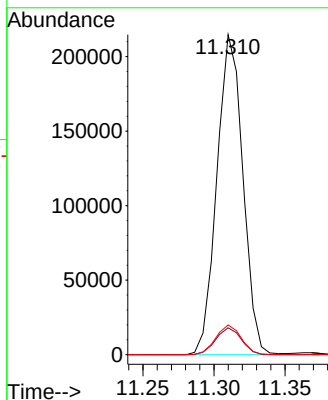
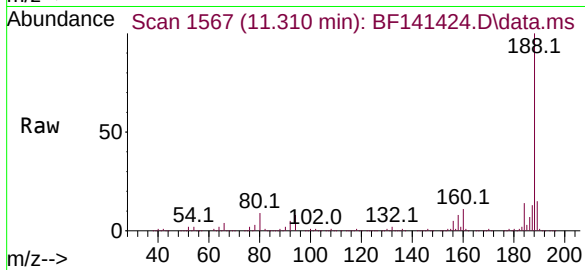




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1567
Delta R.T. -0.018 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

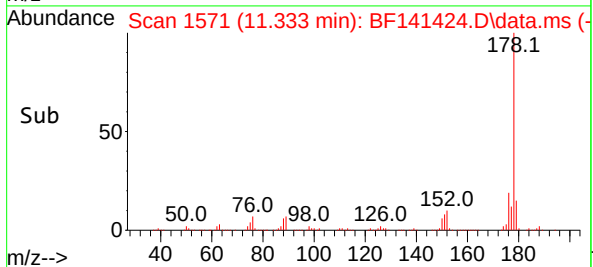
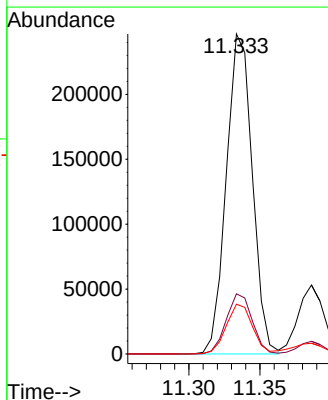
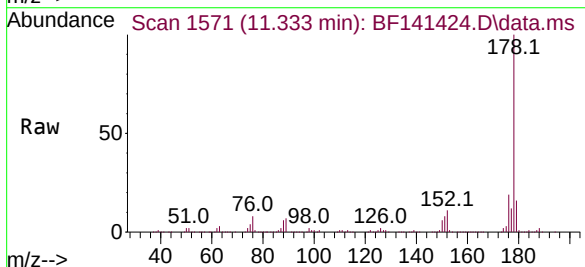
Instrument :
BNA_F
ClientSampleId :
B-113-SB01

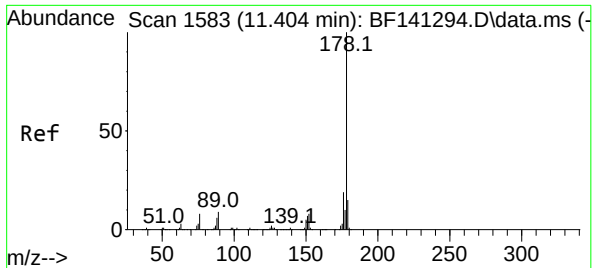
Tgt Ion:188 Resp: 272951
Ion Ratio Lower Upper
188 100
94 8.4 7.8 11.6
80 9.3 8.2 12.4



#71
Phenanthrene
Concen: 21.407 ng
RT: 11.333 min Scan# 1571
Delta R.T. -0.018 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Tgt Ion:178 Resp: 314087
Ion Ratio Lower Upper
178 100
176 18.8 15.3 22.9
179 15.5 12.5 18.7

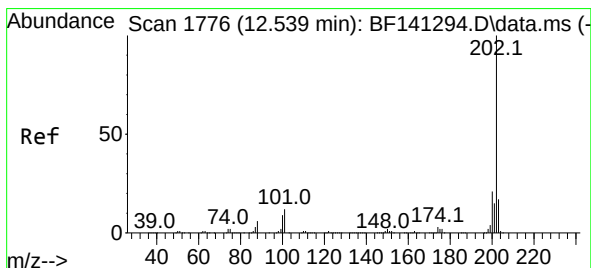
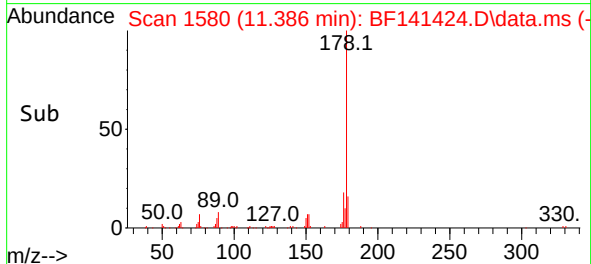
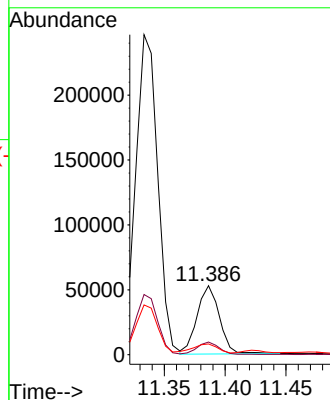
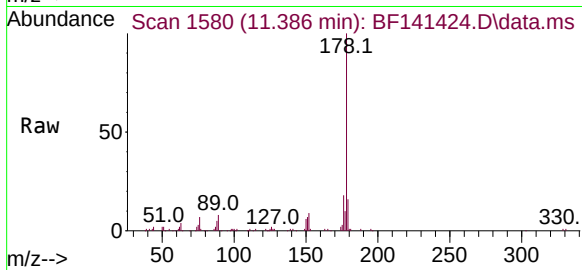




#72
Anthracene
Concen: 4.676 ng
RT: 11.386 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

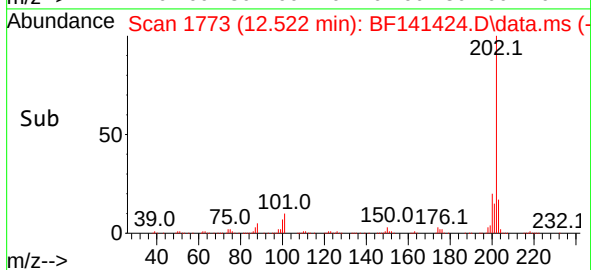
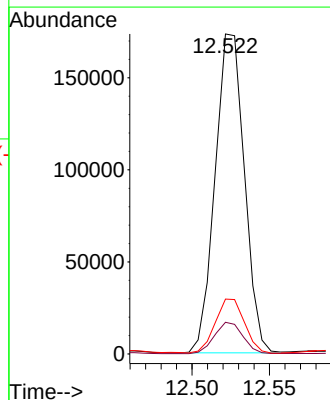
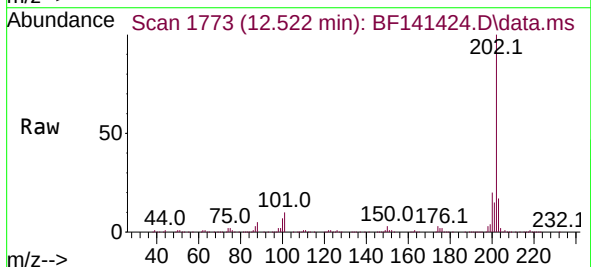
Instrument :
BNA_F
ClientSampleId :
B-113-SB01

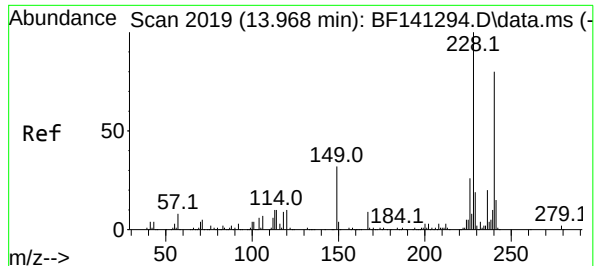
Tgt Ion:178 Resp: 67226
Ion Ratio Lower Upper
178 100
176 18.2 15.0 22.6
179 15.6 12.3 18.5



#75
Fluoranthene
Concen: 15.758 ng
RT: 12.522 min Scan# 1773
Delta R.T. -0.018 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Tgt Ion:202 Resp: 228292
Ion Ratio Lower Upper
202 100
101 9.9 0.0 31.7
203 17.1 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.951 min Scan# 20

Delta R.T. -0.024 min

Lab File: BF141424.D

Acq: 04 Feb 2025 22:11

Instrument :

BNA_F

ClientSampleId :

B-113-SB01

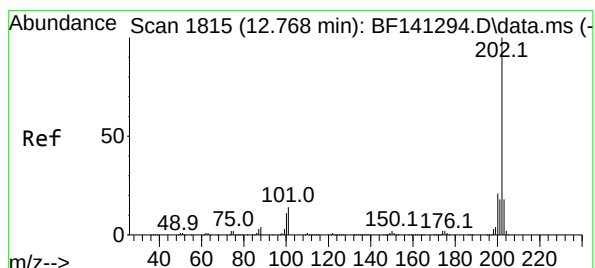
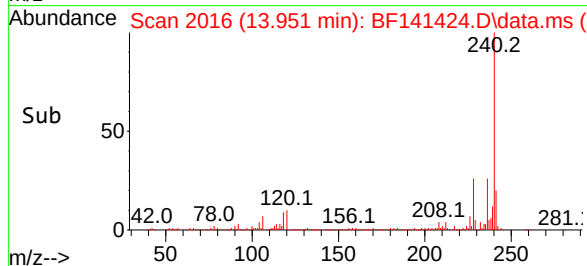
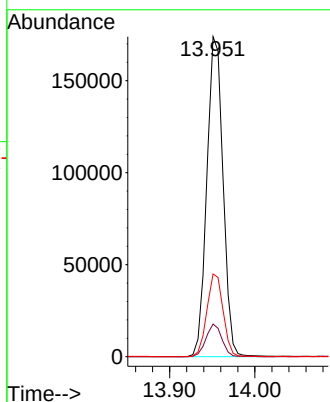
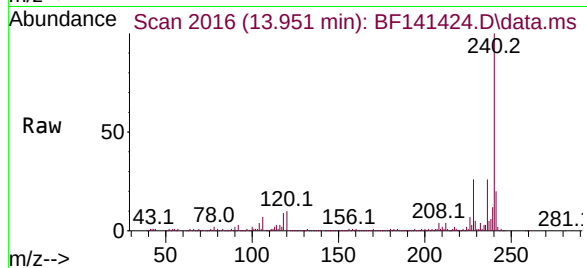
Tgt Ion:240 Resp: 230042

Ion Ratio Lower Upper

240 100

120 10.2 10.0 15.0

236 25.8 19.7 29.5



#78

Pyrene

Concen: 11.103 ng

RT: 12.751 min Scan# 1812

Delta R.T. -0.018 min

Lab File: BF141424.D

Acq: 04 Feb 2025 22:11

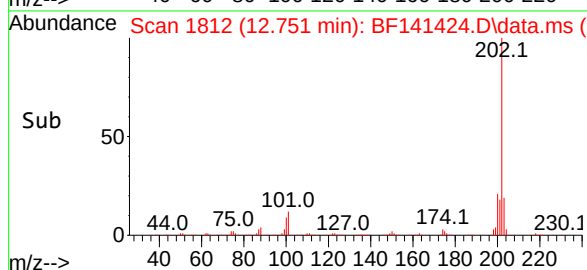
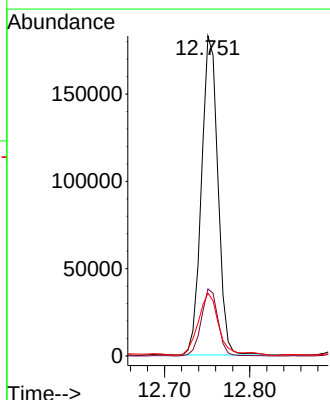
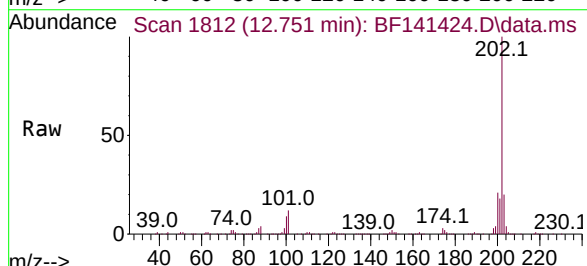
Tgt Ion:202 Resp: 245180

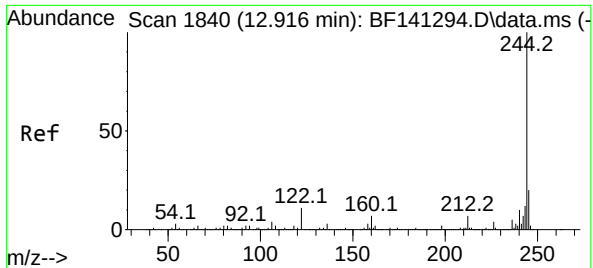
Ion Ratio Lower Upper

202 100

200 21.0 17.0 25.4

203 19.6 14.3 21.5





#79

Terphenyl-d14

Concen: 60.021 ng

RT: 12.904 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141424.D

Acq: 04 Feb 2025 22:11

Instrument :

BNA_F

ClientSampleId :

B-113-SB01

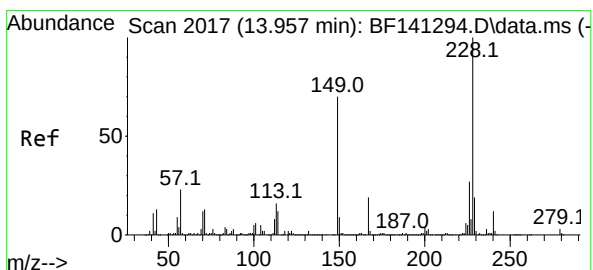
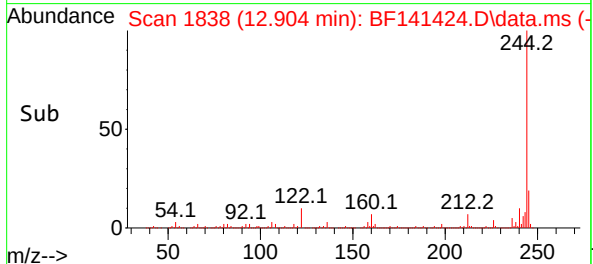
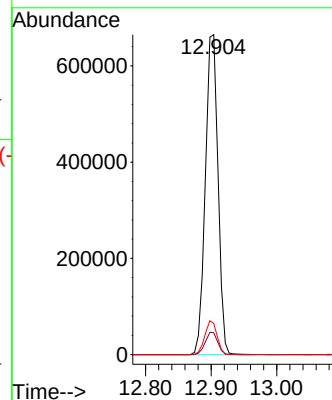
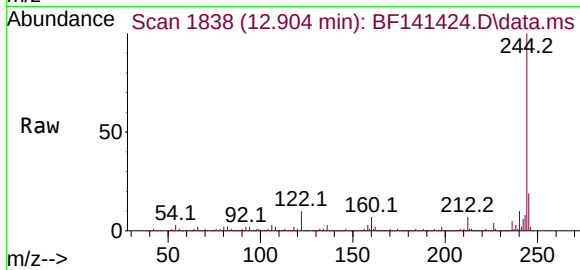
Tgt Ion:244 Resp: 895307

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

122 9.8 8.8 13.2



#81

Benzo(a)anthracene

Concen: 6.075 ng

RT: 13.945 min Scan# 2015

Delta R.T. -0.018 min

Lab File: BF141424.D

Acq: 04 Feb 2025 22:11

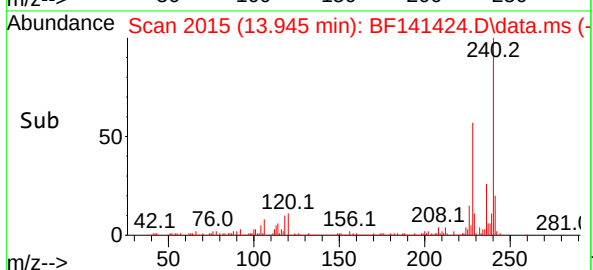
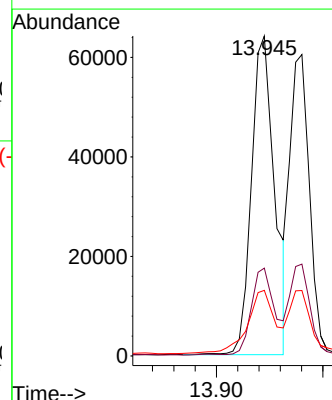
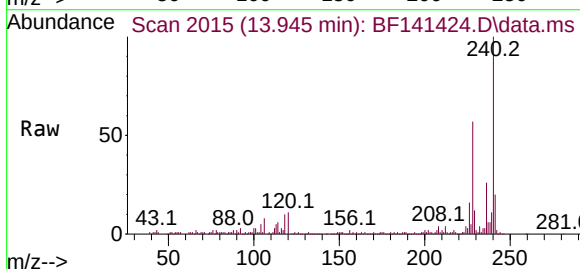
Tgt Ion:228 Resp: 96432

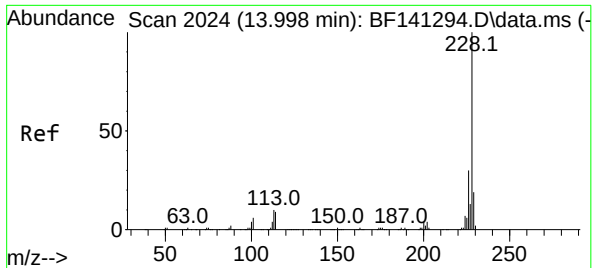
Ion Ratio Lower Upper

228 100

226 27.4 21.4 32.2

229 20.5 15.5 23.3

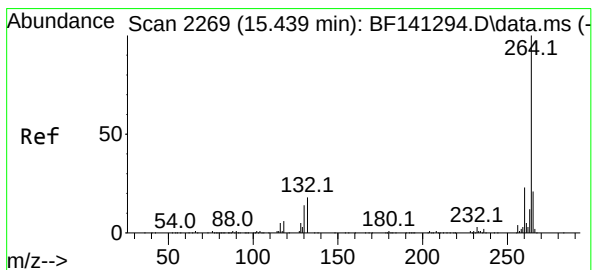
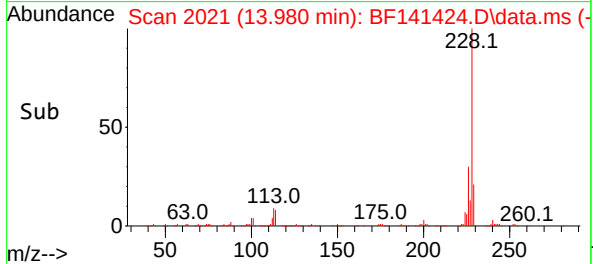
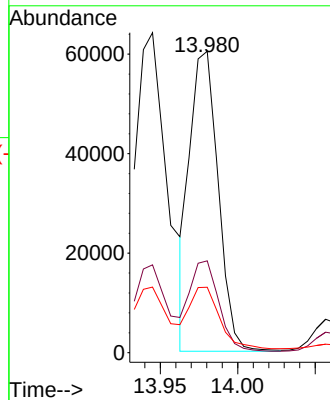
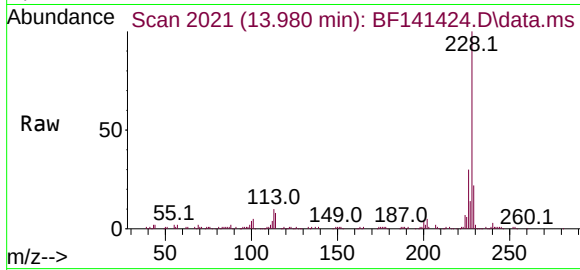




#83
Chrysene
Concen: 5.289 ng
RT: 13.980 min Scan# 2024
Delta R.T. -0.018 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

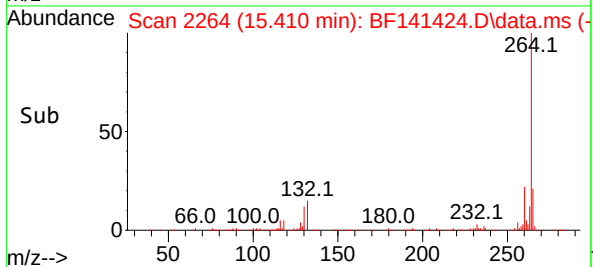
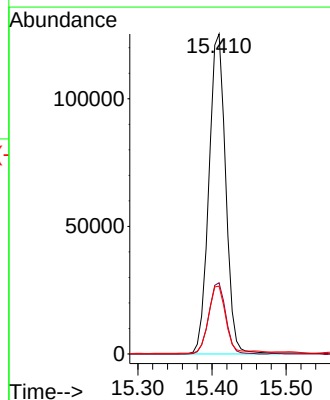
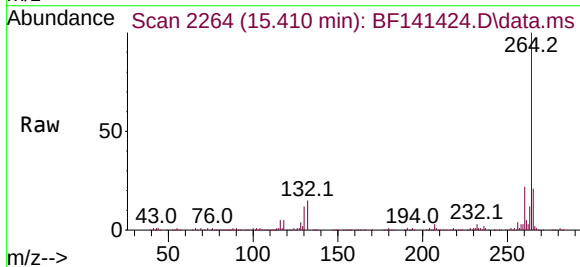
Instrument :
BNA_F
ClientSampleId :
B-113-SB01

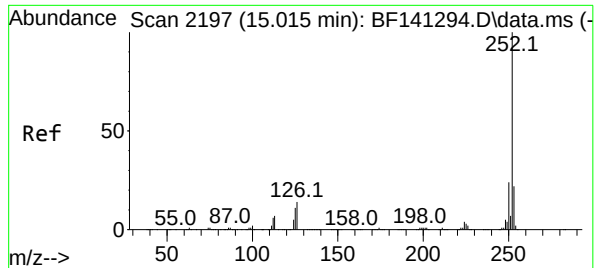
Tgt Ion:228 Resp: 76948
Ion Ratio Lower Upper
228 100
226 30.5 24.1 36.1
229 21.7 15.6 23.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.410 min Scan# 2264
Delta R.T. -0.029 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Tgt Ion:264 Resp: 197101
Ion Ratio Lower Upper
264 100
260 22.2 18.6 27.8
265 21.2 16.7 25.1





#88

Benzo(b)fluoranthene

Concen: 4.641 ng m

RT: 14.992 min Scan# 2197

Delta R.T. -0.029 min

Lab File: BF141424.D

Acq: 04 Feb 2025 22:11

Instrument :

BNA_F

ClientSampleId :

B-113-SB01

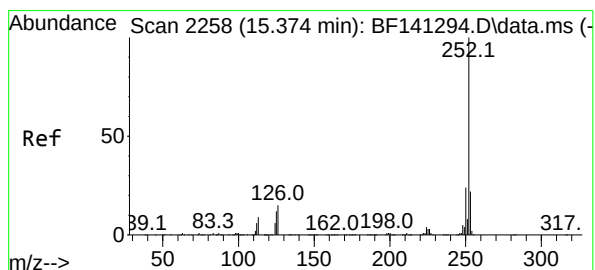
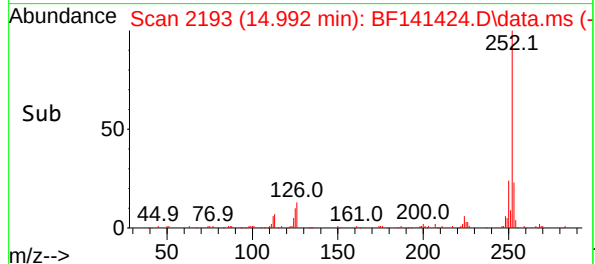
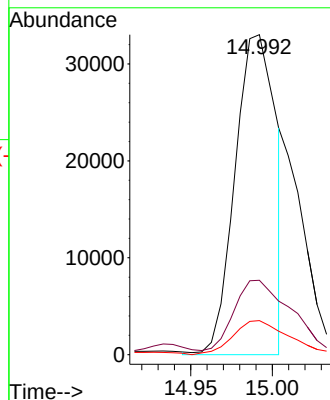
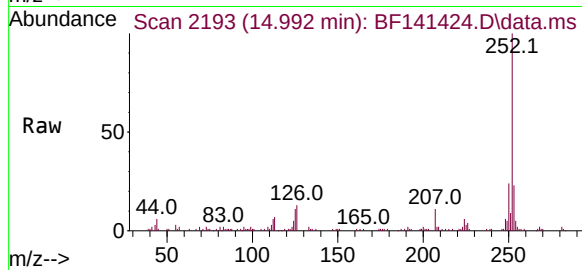
Tgt Ion:252 Resp: 57537

Ion Ratio Lower Upper

252 100

253 23.2 17.4 26.2

125 10.6 8.6 12.8



#90

Benzo(a)pyrene

Concen: 4.480 ng

RT: 15.345 min Scan# 2253

Delta R.T. -0.035 min

Lab File: BF141424.D

Acq: 04 Feb 2025 22:11

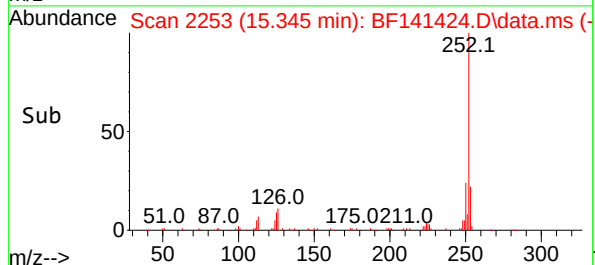
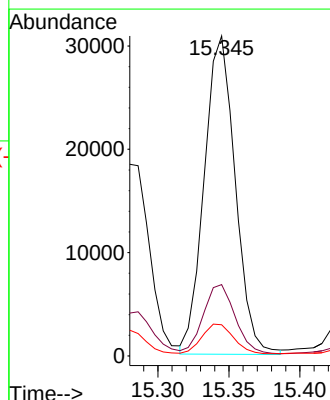
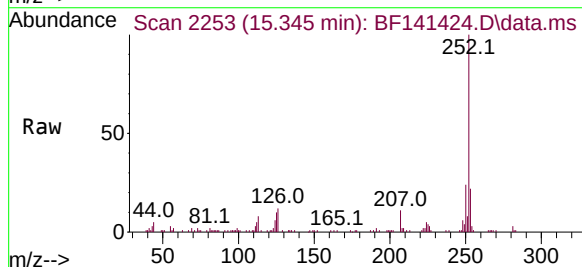
Tgt Ion:252 Resp: 46939

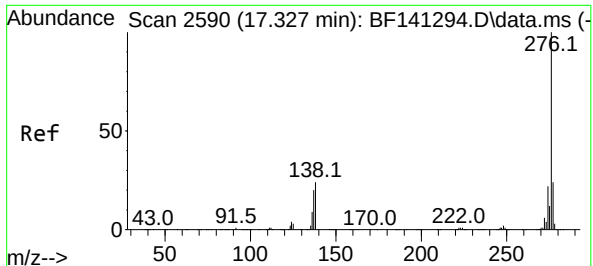
Ion Ratio Lower Upper

252 100

253 22.3 17.2 25.8

125 9.8 9.4 14.2





#92

Benzo(g,h,i)perylene

Concen: 2.150 ng

RT: 17.268 min Scan# 21

Delta R.T. -0.077 min

Lab File: BF141424.D

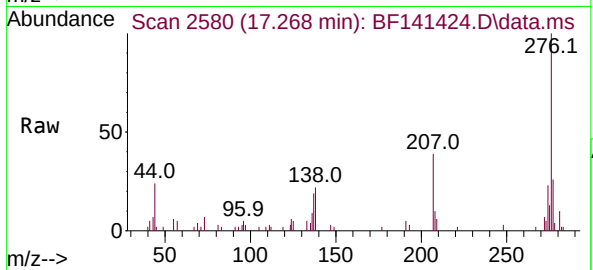
Acq: 04 Feb 2025 22:11

Instrument :

BNA_F

ClientSampleId :

B-113-SB01



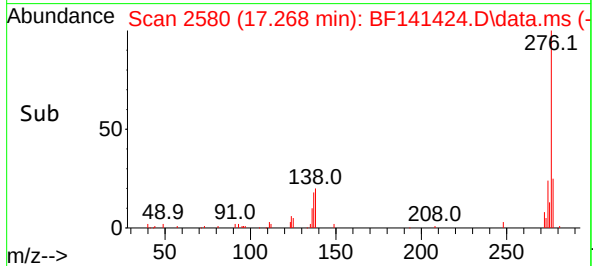
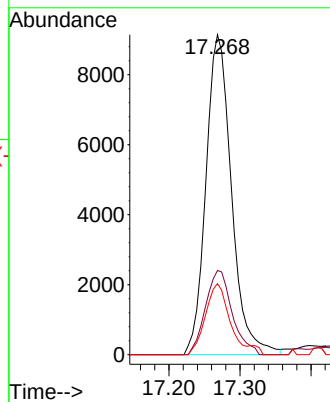
Tgt Ion:276 Resp: 22883

Ion Ratio Lower Upper

276 100

277 26.3 19.2 28.8

138 22.2 19.0 28.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
 Data File : BF141424.D
 Acq On : 04 Feb 2025 22:11
 Operator : RC/JU
 Sample : Q1194-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-113-SB01

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141424.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.128	3	6	20	rVB	44815	69880	2.84%	0.344%
2	4.993	489	493	501	rVB	23213	35934	1.46%	0.177%
3	5.410	558	564	583	rBV	1429840	1876836	76.21%	9.252%
4	6.428	731	737	756	rBV	1433484	1924788	78.16%	9.488%
5	6.787	793	798	803	rBV	358841	433180	17.59%	2.135%
6	7.351	887	894	899	rBV	928282	1241600	50.42%	6.120%
7	7.610	931	938	948	rVB	41091	58094	2.36%	0.286%
8	8.069	1011	1016	1035	rBV	467999	644940	26.19%	3.179%
9	8.781	1130	1137	1145	rVB	32754	40459	1.64%	0.199%
10	8.881	1149	1154	1159	rVB	24049	28778	1.17%	0.142%
11	9.145	1193	1199	1204	rBV	1739459	2188516	88.87%	10.788%
12	9.228	1209	1213	1221	rVB2	17899	30324	1.23%	0.149%
13	9.481	1249	1256	1259	rBV	21986	33039	1.34%	0.163%
14	9.822	1307	1314	1318	rBV	513705	679373	27.59%	3.349%
15	9.857	1318	1320	1324	rVB	63897	65821	2.67%	0.324%
16	10.028	1345	1349	1353	rBV	41712	52529	2.13%	0.259%
17	10.369	1403	1407	1412	rBV	73921	97959	3.98%	0.483%
18	10.433	1412	1418	1421	rBV	15462	31104	1.26%	0.153%
19	10.539	1431	1436	1441	rVB2	129549	168887	6.86%	0.833%
20	10.616	1443	1449	1461	rBV	972138	1294173	52.55%	6.380%
21	10.916	1494	1500	1503	rBV2	24285	41336	1.68%	0.204%
22	11.169	1538	1543	1547	rBV3	23406	40867	1.66%	0.201%
23	11.210	1547	1550	1557	rVB	32717	42475	1.72%	0.209%
24	11.310	1562	1567	1569	rBV	543381	718683	29.18%	3.543%
25	11.333	1569	1571	1576	rVV	593766	699846	28.42%	3.450%
26	11.386	1576	1580	1584	rVB	113514	141981	5.77%	0.700%
27	11.545	1601	1607	1615	rBV	25027	40746	1.65%	0.201%
28	11.816	1648	1653	1655	rBV	94190	136099	5.53%	0.671%
29	11.839	1655	1657	1662	rVV	122182	143676	5.83%	0.708%
30	11.886	1662	1665	1668	rVV	40703	54564	2.22%	0.269%
31	11.927	1668	1672	1681	rVB2	134034	278648	11.32%	1.374%
32	12.110	1695	1703	1712	rBV2	58964	126138	5.12%	0.622%
33	12.257	1722	1728	1731	rBV	29308	44050	1.79%	0.217%
34	12.363	1741	1746	1749	rBV	54315	77765	3.16%	0.383%
35	12.398	1749	1752	1758	rVV2	39455	75958	3.08%	0.374%
36	12.451	1758	1761	1768	rVB3	28717	44961	1.83%	0.222%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141424.D
Acq On : 04 Feb 2025 22:11
Operator : RC/JU
Sample : Q1194-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

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-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	12.522	1768	1773	1778	rBV	396626	525642	21.34%	2.591%
38	12.751	1802	1812	1818	rBV	419128	646153	26.24%	3.185%
39	12.804	1818	1821	1826	rVB3	36162	52713	2.14%	0.260%
40	12.898	1827	1837	1845	rBV	1788857	2462607	100.00%	12.139%
41	12.974	1845	1850	1857	rBV2	36700	65029	2.64%	0.321%
42	13.080	1861	1868	1872	rVB	70429	134129	5.45%	0.661%
43	13.151	1872	1880	1883	rBV	56535	92414	3.75%	0.456%
44	13.186	1883	1886	1889	rBV	42160	47077	1.91%	0.232%
45	13.280	1898	1902	1904	rBV2	26789	33744	1.37%	0.166%
46	13.310	1904	1907	1912	rVB2	33794	40640	1.65%	0.200%
47	13.439	1925	1929	1933	rBV	68893	95157	3.86%	0.469%
48	13.704	1968	1974	1976	rBV3	24869	44552	1.81%	0.220%
49	13.951	2009	2016	2028	rVB2	593709	1108295	45.00%	5.463%
50	14.057	2031	2034	2041	rVB	22724	29545	1.20%	0.146%
51	14.339	2079	2082	2086	rBV	28958	38292	1.55%	0.189%
52	14.433	2093	2098	2102	rBV3	31215	49738	2.02%	0.245%
53	14.733	2145	2149	2158	rVB4	19073	38984	1.58%	0.192%
54	14.986	2187	2192	2201	rBV	87540	205729	8.35%	1.014%
55	15.280	2238	2242	2248	rVB	45538	69611	2.83%	0.343%
56	15.345	2248	2253	2258	rVV	74363	113072	4.59%	0.557%
57	15.410	2258	2264	2276	rVB	327051	561206	22.79%	2.766%
58	16.833	2501	2506	2515	rVB2	26329	63458	2.58%	0.313%
59	17.268	2574	2580	2595	rVB	24484	64241	2.61%	0.317%

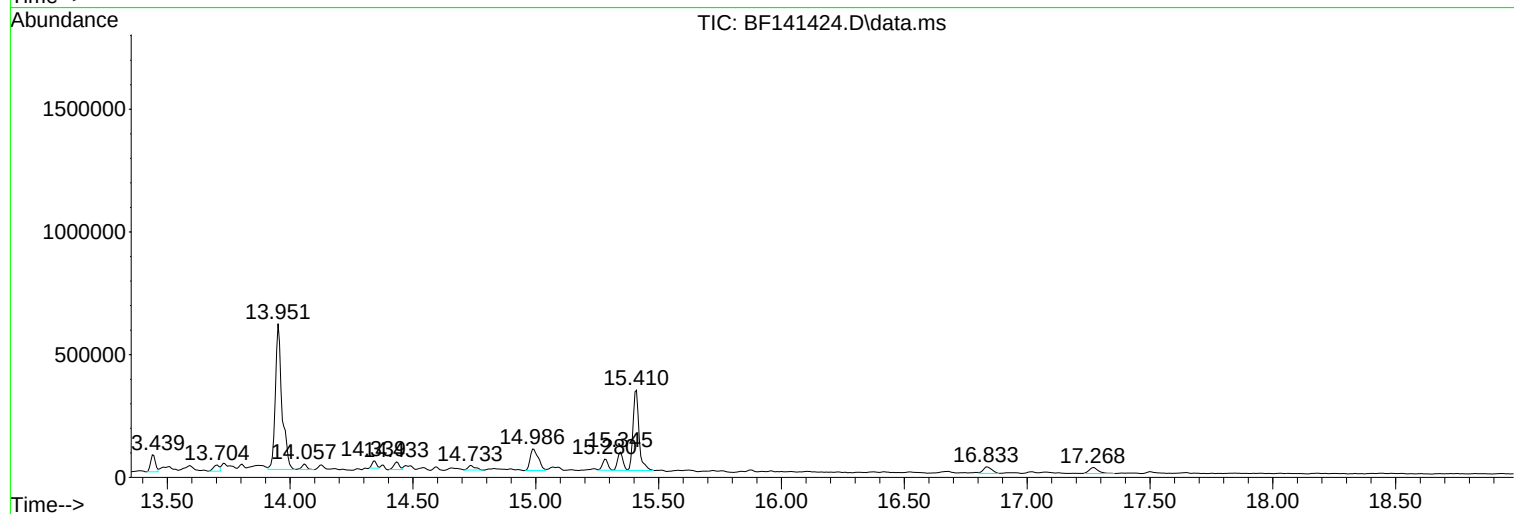
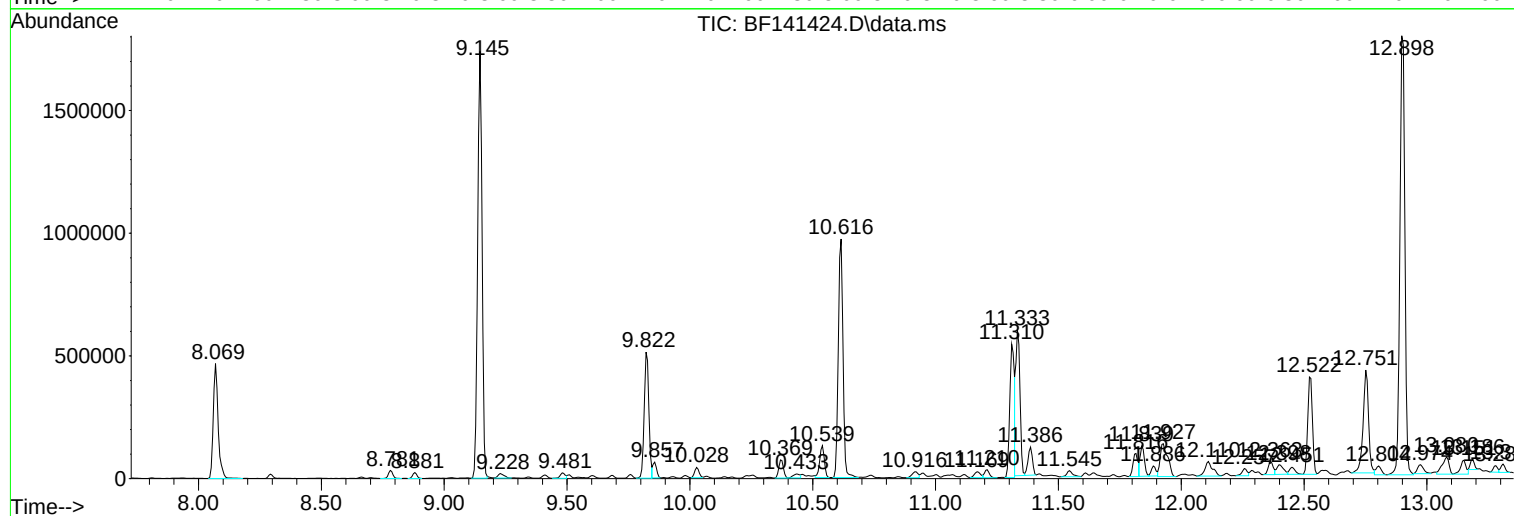
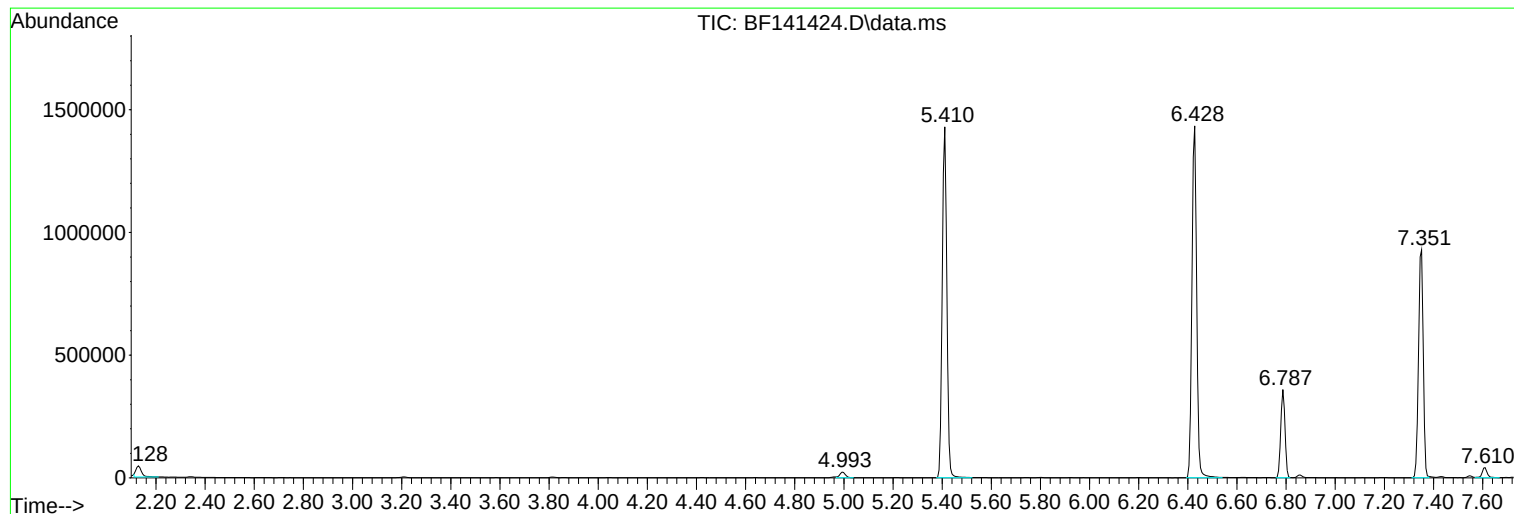
Sum of corrected areas: 20286035

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141424.D
Acq On : 04 Feb 2025 22:11
Operator : RC/JU
Sample : Q1194-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.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\BF020425\
Data File : BF141424.D
Acq On : 04 Feb 2025 22:11
Operator : RC/JU
Sample : Q1194-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

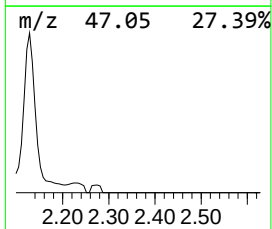
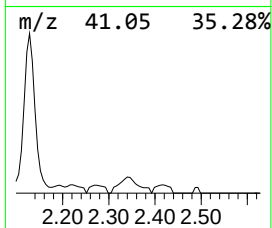
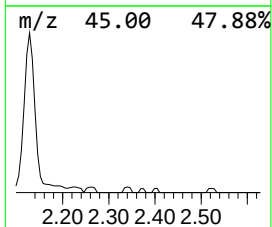
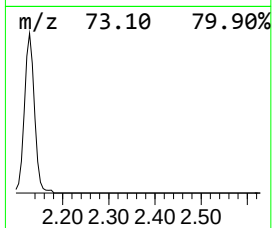
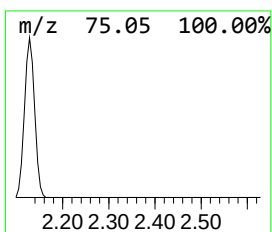
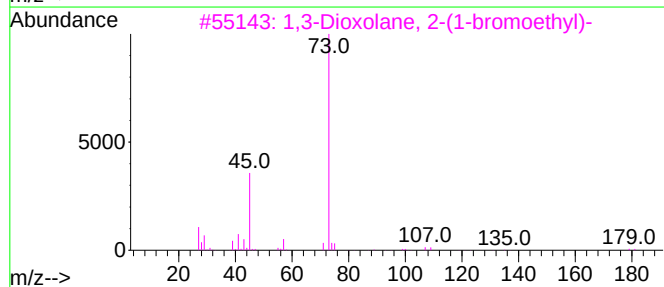
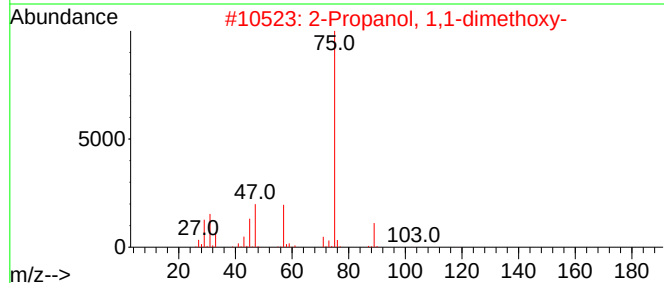
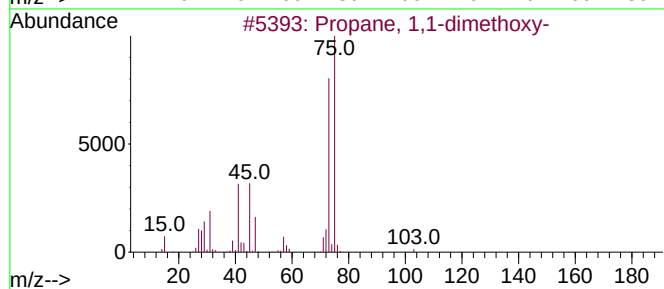
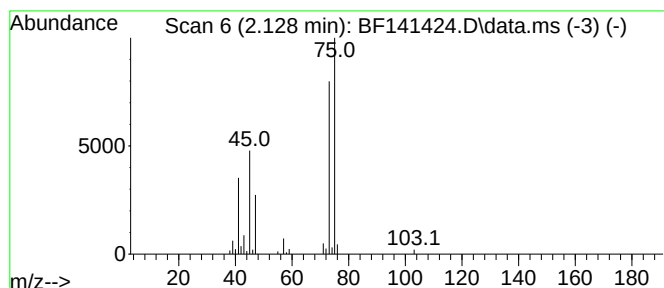
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Propane, 1,1-dimethoxy- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.128	3.23 ng	69880	1,4-Dichlorobenzene-d4	6.787

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Propane, 1,1-dimethoxy-	104	C5H12O2	004744-10-9	64
2			2-Propanol, 1,1-dimethoxy-	120	C5H12O3	042919-42-6	42
3			1,3-Dioxolane, 2-(1-bromoethyl)-	180	C5H9BrO2	005267-73-2	22
4			Glycolaldehyde dimethyl acetal	106	C4H10O3	030934-97-5	10
5			Methane, isothiocyanato-	73	C2H3NS	000556-61-6	9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141424.D
Acq On : 04 Feb 2025 22:11
Operator : RC/JU
Sample : Q1194-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

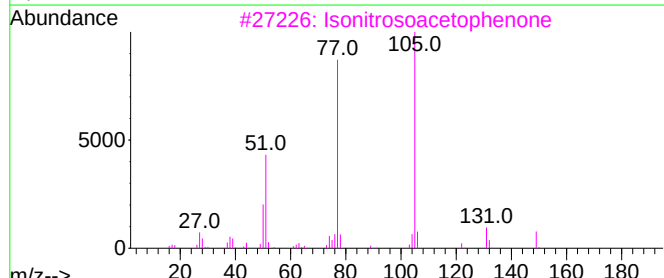
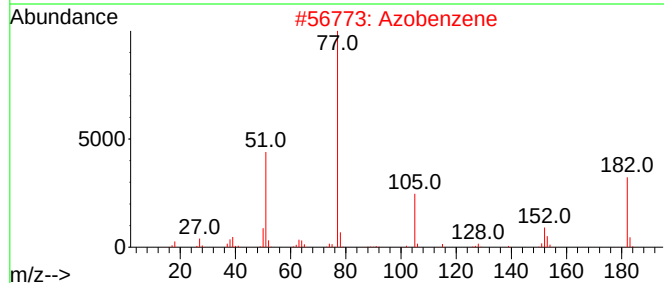
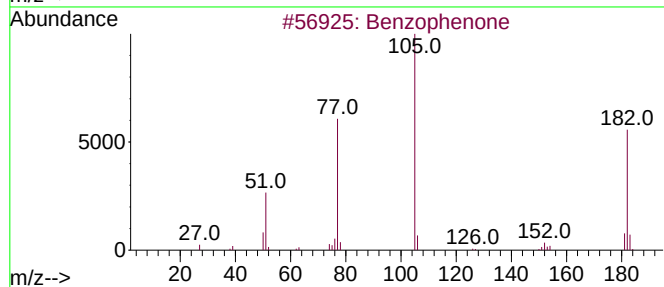
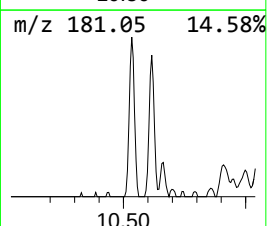
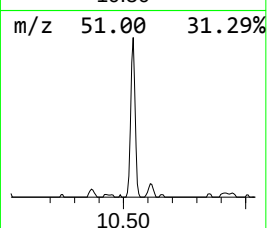
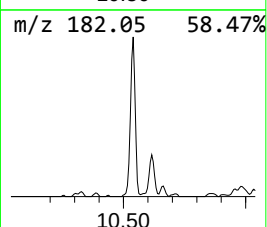
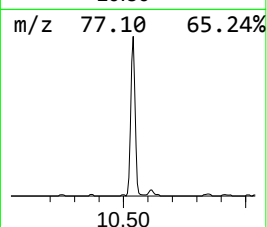
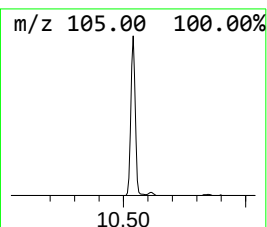
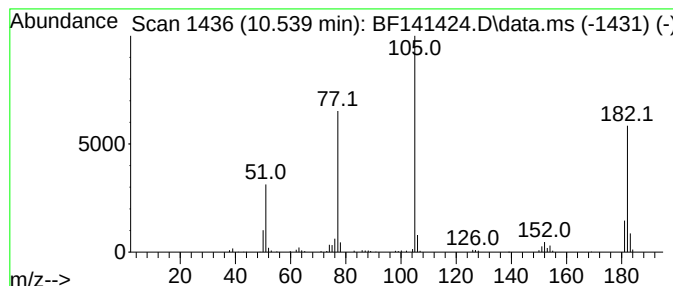
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.539	4.97 ng	168887	Acenaphthene-d10	9.822

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzophenone	182	C13H10O	000119-61-9	96
2		Azobenzene	182	C12H10N2	000103-33-3	59
3		Isonitrosoacetophenone	149	C8H7NO2	000532-54-7	47
4		1-Propanone, 3-chloro-1-phenyl-	168	C9H9ClO	000936-59-4	47
5		Vinyl benzoate	148	C9H8O2	000769-78-8	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141424.D
Acq On : 04 Feb 2025 22:11
Operator : RC/JU
Sample : Q1194-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

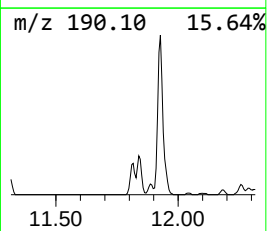
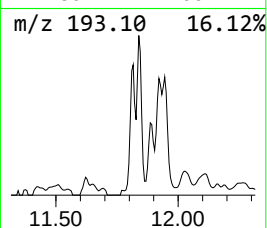
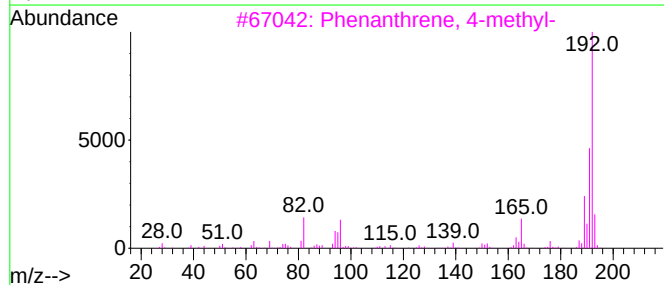
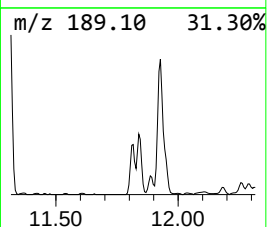
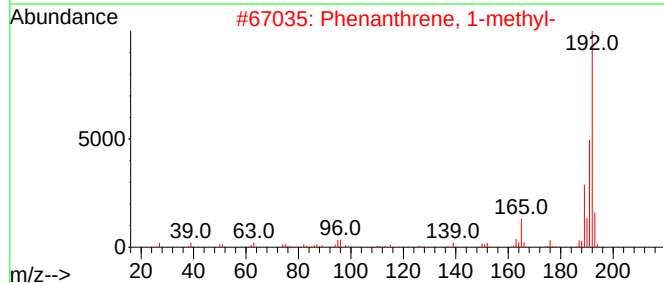
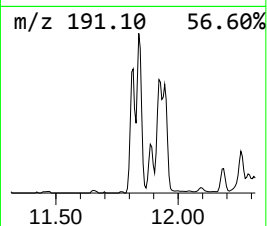
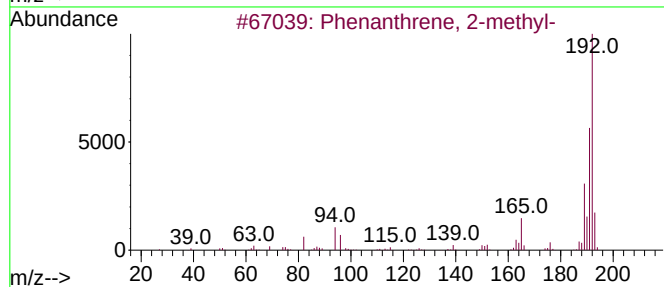
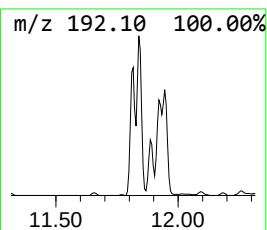
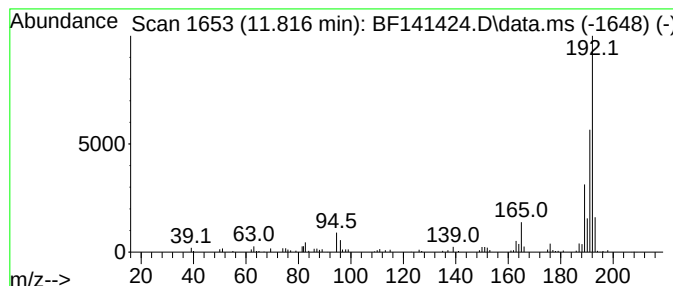
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.816	3.79 ng	136099	Phenanthrene-d10	11.310

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
4			Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5			1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141424.D
Acq On : 04 Feb 2025 22:11
Operator : RC/JU
Sample : Q1194-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

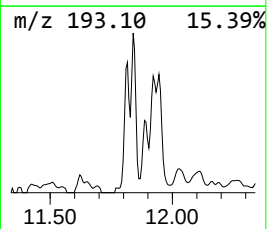
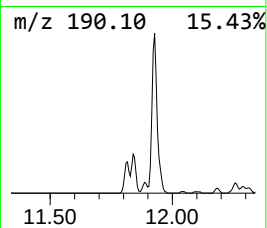
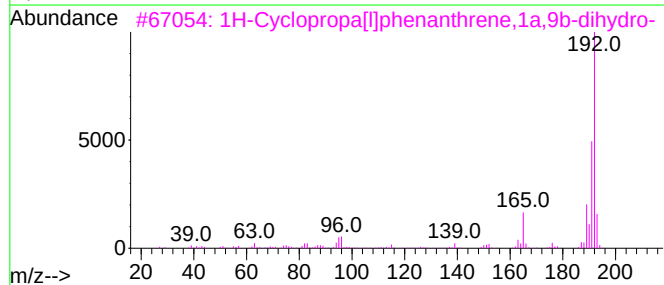
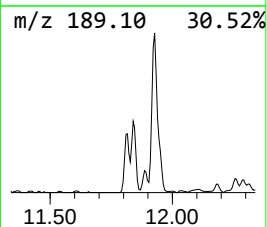
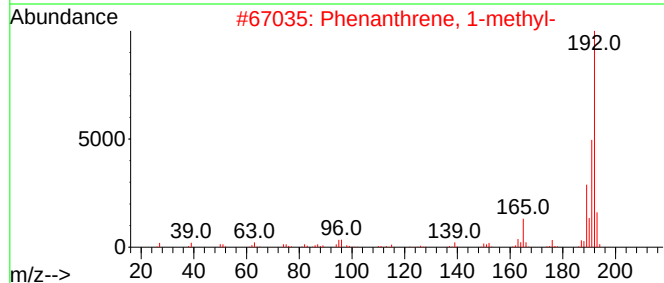
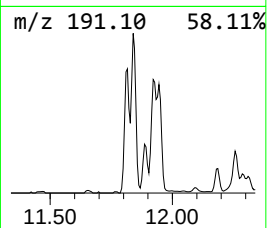
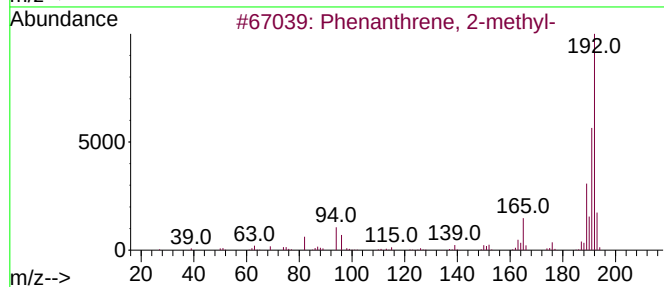
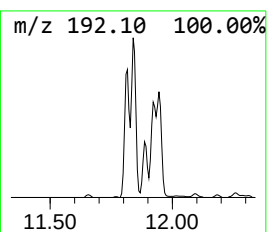
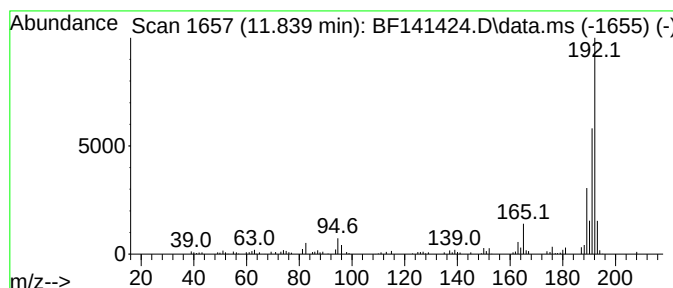
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.839	4.00 ng	143676	Phenanthrene-d10	11.310

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3			1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
4			Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141424.D
Acq On : 04 Feb 2025 22:11
Operator : RC/JU
Sample : Q1194-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

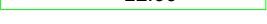
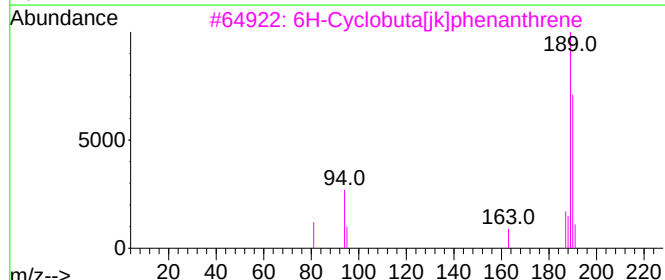
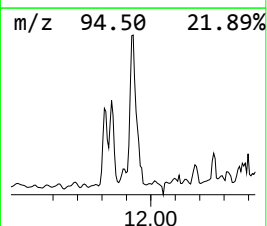
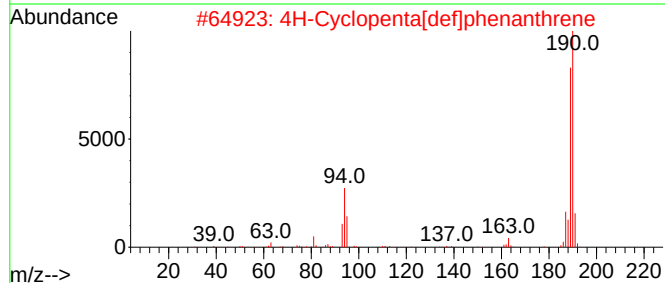
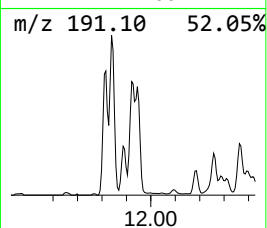
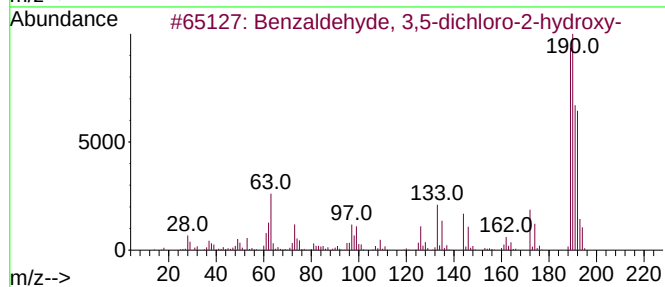
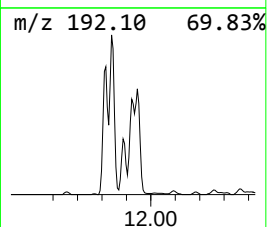
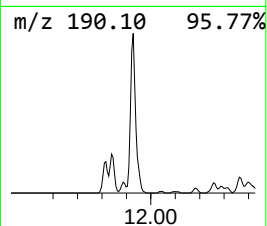
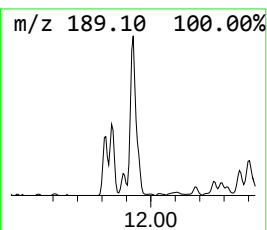
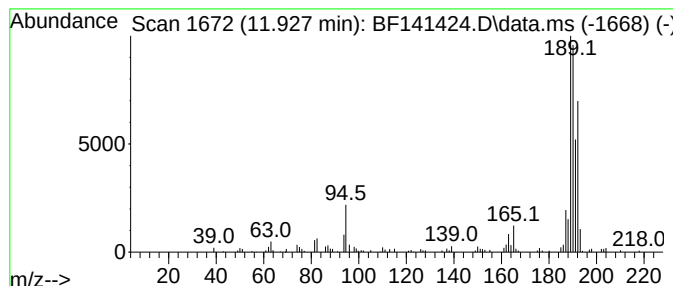
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Benzaldehyde, 3,5-dichloro-... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.928	7.75 ng	278648	Phenanthrene-d10	11.310

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
2			4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
3			6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
4			3-Bromo-2-furoic acid	190	C5H3BrO3	014903-90-3	27
5			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	25



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141424.D
Acq On : 04 Feb 2025 22:11
Operator : RC/JU
Sample : Q1194-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

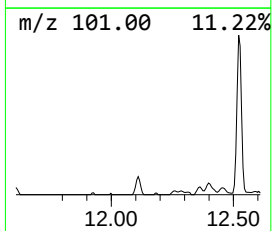
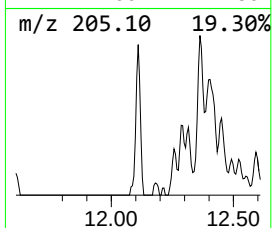
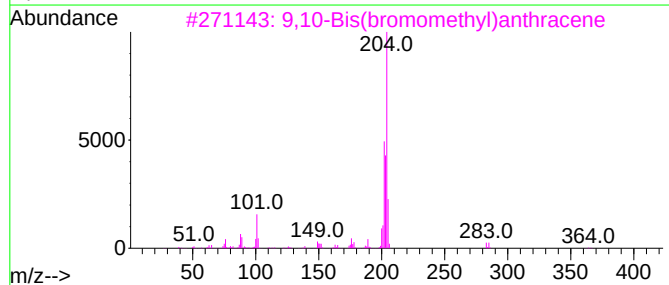
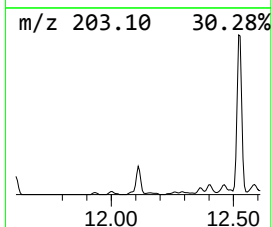
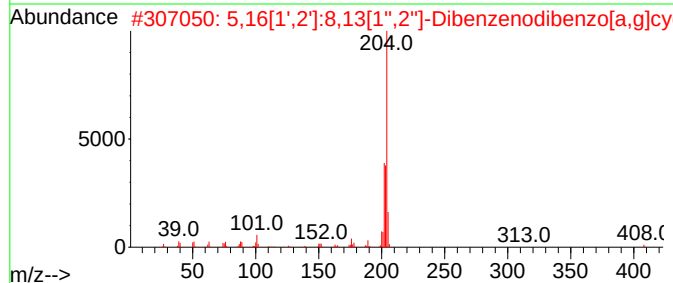
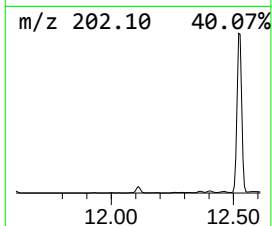
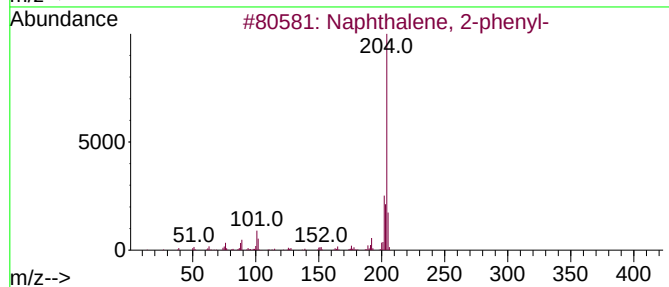
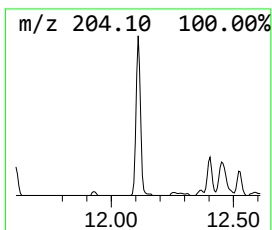
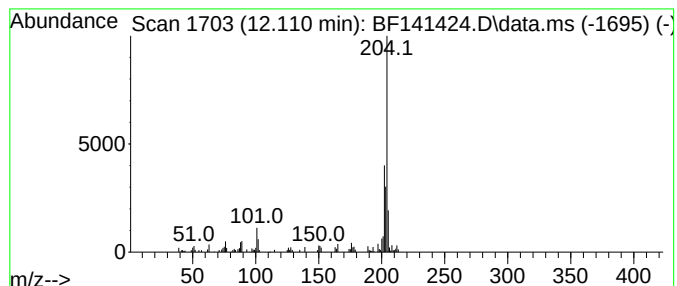
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Naphthalene, 2-phenyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.110	3.51 ng	126138	Phenanthrene-d10	11.310

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
2			5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
3			9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	78
4			Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78
5			Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	68



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141424.D
Acq On : 04 Feb 2025 22:11
Operator : RC/JU
Sample : Q1194-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

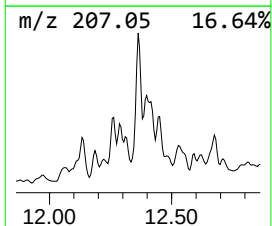
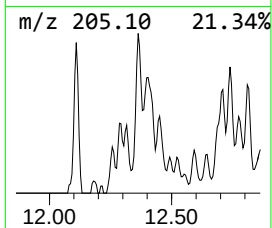
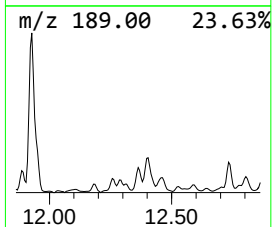
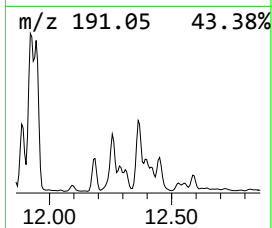
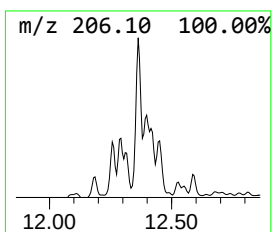
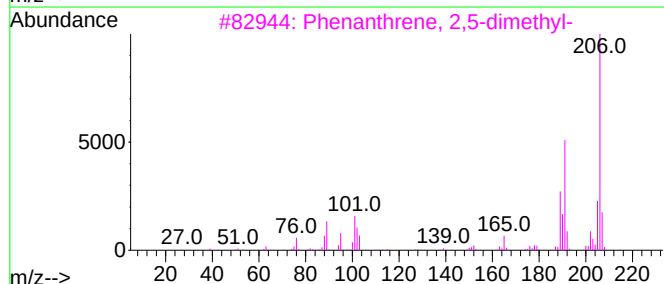
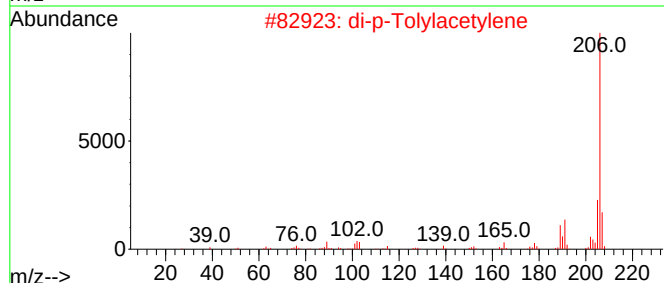
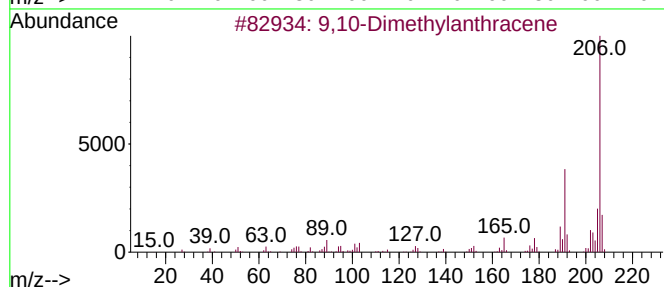
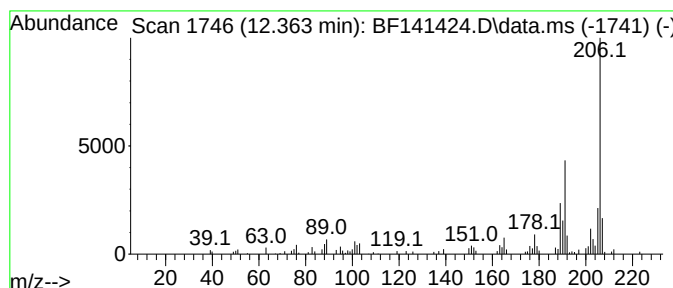
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 9,10-Dimethylantracene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.363	2.16 ng	77765	Phenanthrene-d10	11.310

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,10-Dimethylantracene	206	C16H14	000781-43-1	94
2			di-p-Tolylacetylene	206	C16H14	002789-88-0	93
3			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
4			Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
5			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141424.D
Acq On : 04 Feb 2025 22:11
Operator : RC/JU
Sample : Q1194-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

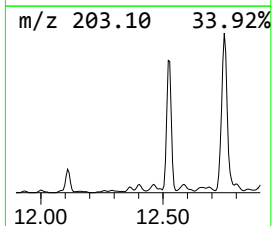
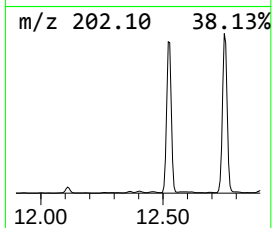
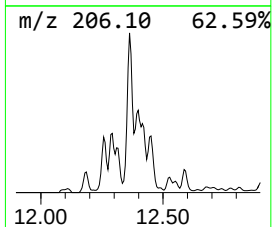
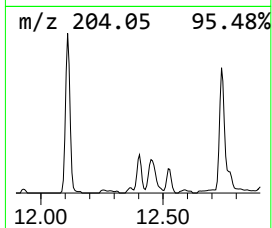
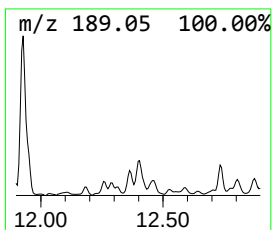
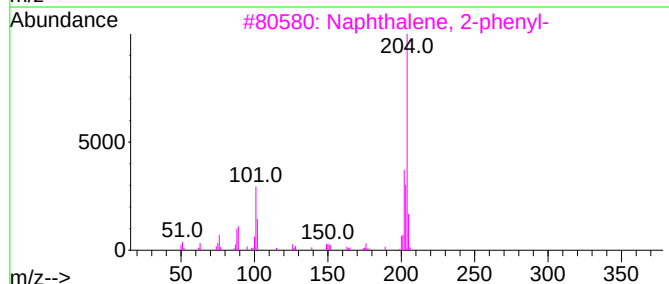
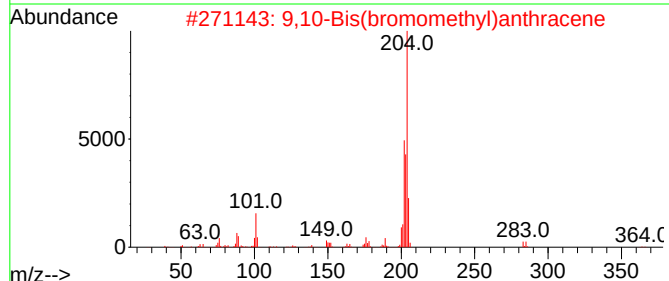
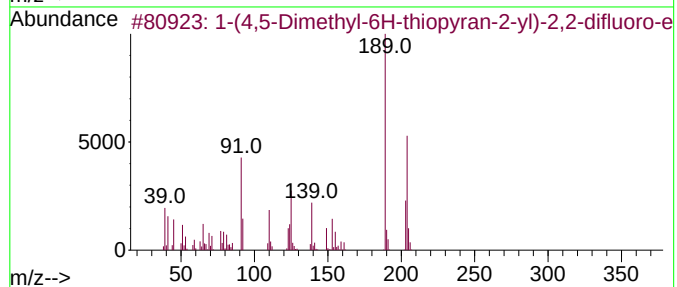
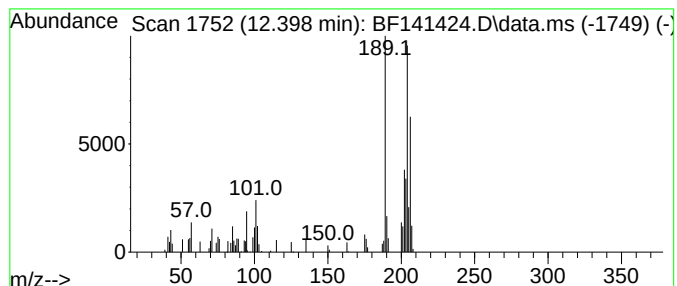
Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 unknown12.398 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.398	2.11 ng	75958	Phenanthrene-d10	11.310	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(4,5-Dimethyl-6H-thiopyran-2-y...	204	C9H10F2OS	1000318-25-0	49
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	46
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	46
4	Naphthalene, 1,2,4a,5,8,8a-hexah...	204	C15H24	005951-61-1	46
5	3,4-Dihydrocoumarin, 4,4-dimethy...	204	C13H16O2	029423-74-3	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141424.D
Acq On : 04 Feb 2025 22:11
Operator : RC/JU
Sample : Q1194-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

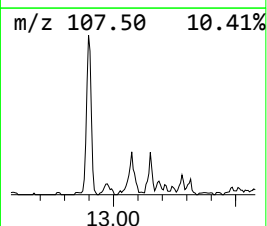
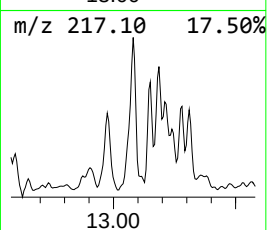
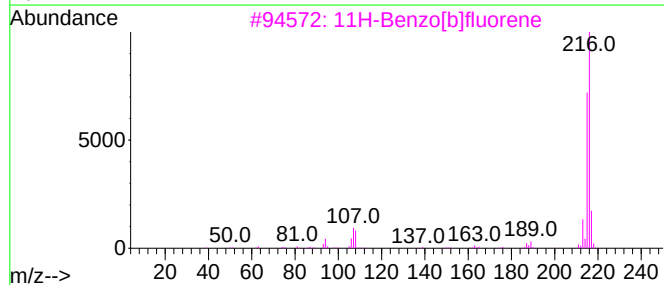
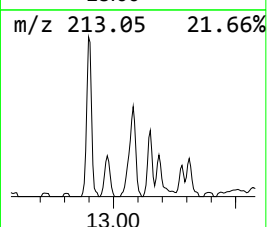
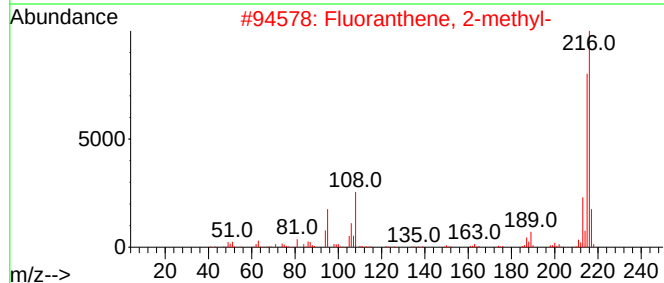
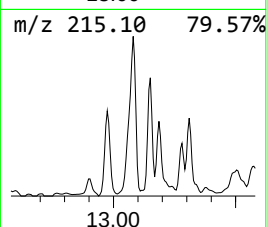
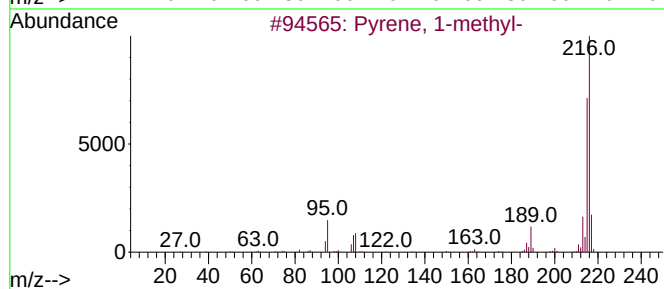
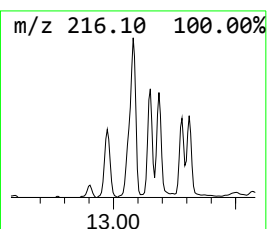
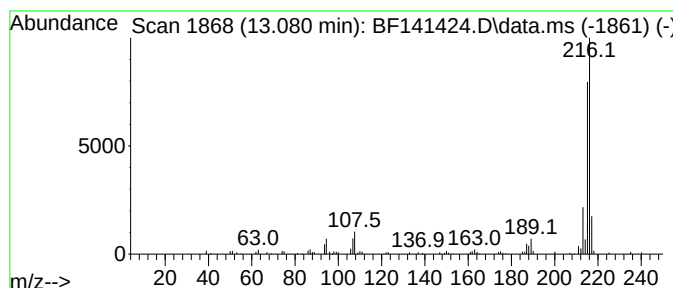
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Pyrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.080	2.42 ng	134129	Chrysene-d12	13.951

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5			7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141424.D
Acq On : 04 Feb 2025 22:11
Operator : RC/JU
Sample : Q1194-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

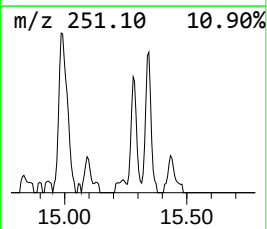
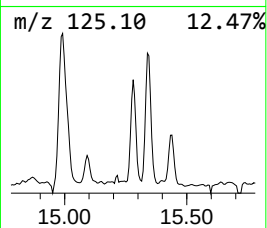
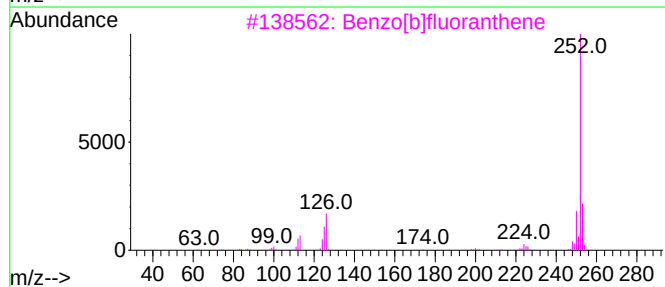
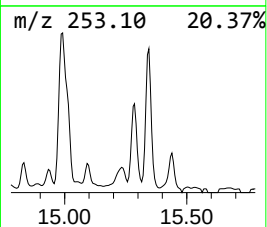
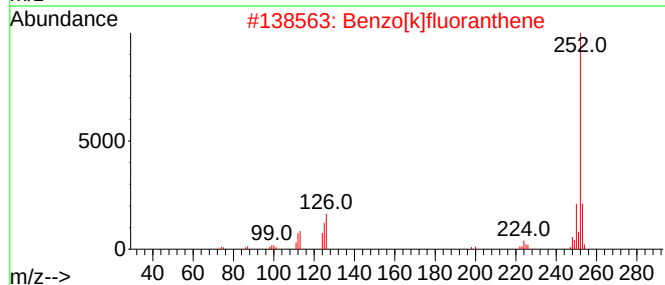
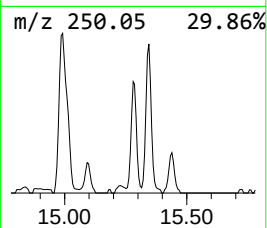
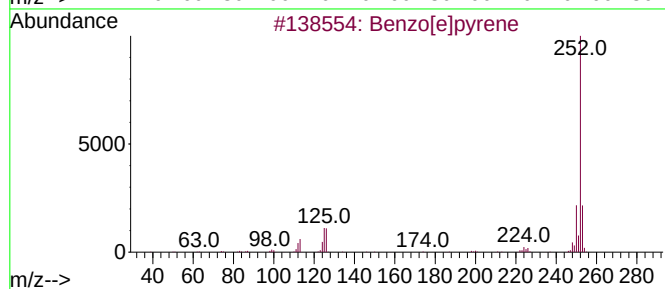
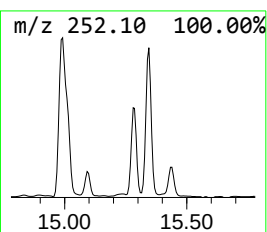
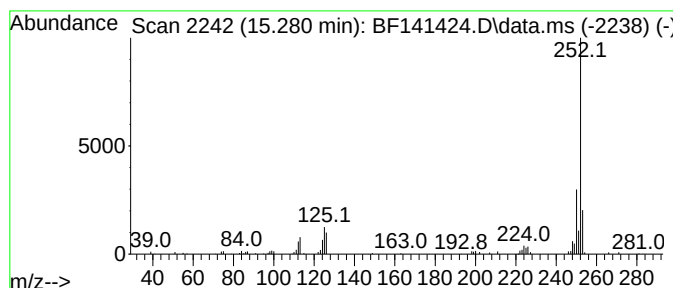
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.280	2.48 ng	69611	Perylene-d12	15.410

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzo[e]pyrene	252	C20H12	000192-97-2	93
2		Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
3		Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
4		Perylene	252	C20H12	000198-55-0	93
5		Benzo[a]pyrene	252	C20H12	000050-32-8	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141424.D
Acq On : 04 Feb 2025 22:11
Operator : RC/JU
Sample : Q1194-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

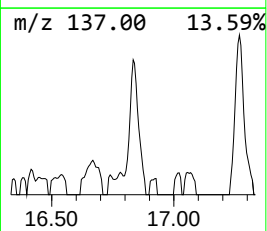
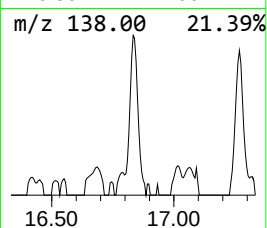
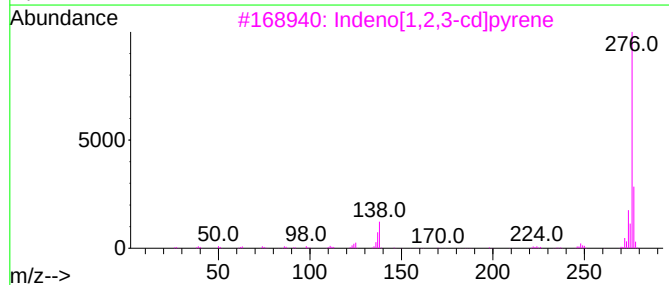
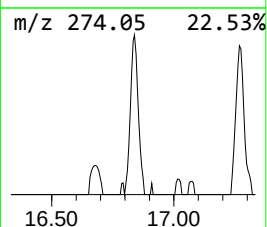
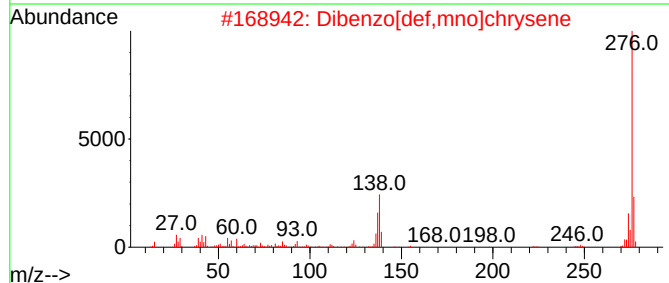
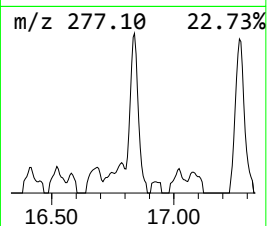
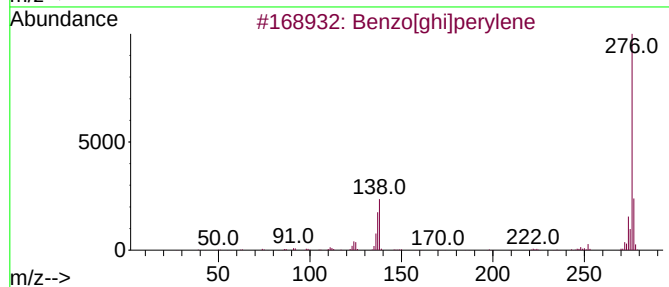
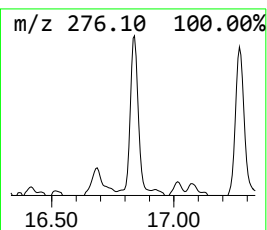
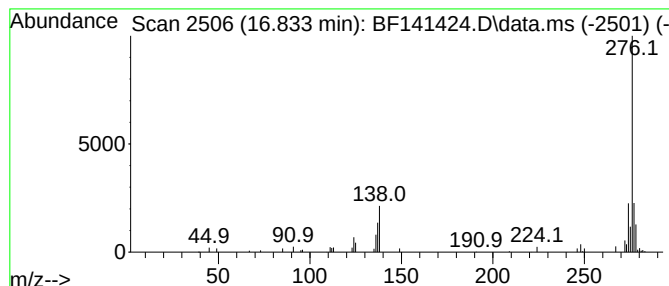
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Dibenzo[def,mno]chrysene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.833	2.26 ng	63458	Perylene-d12	15.410

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[ghi]perylene	276	C22H12	000191-24-2	94
2			Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	94
3			Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	91
4			Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	76
5			acetonitrile, 2-(3,4-diphenyl-2(...	276	C17H12N2S	1000397-07-9	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141424.D
Acq On : 04 Feb 2025 22:11
Operator : RC/JU
Sample : Q1194-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.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
Propane, 1,1-di...	2.128	3.2	ng	69880	1	6.787	433180	20.0
Benzophenone	10.539	5.0	ng	168887	3	9.822	679373	20.0
Phenanthrene, 2...	11.816	3.8	ng	136099	4	11.310	718683	20.0
Phenanthrene, 1...	11.839	4.0	ng	143676	4	11.310	718683	20.0
Benzaldehyde, 3...	11.928	7.8	ng	278648	4	11.310	718683	20.0
Naphthalene, 2-...	12.110	3.5	ng	126138	4	11.310	718683	20.0
9,10-Dimethylan...	12.363	2.2	ng	77765	4	11.310	718683	20.0
unknown12.398	12.398	2.1	ng	75958	4	11.310	718683	20.0
Pyrene, 1-methyl-	13.080	2.4	ng	134129	5	13.951	1108300	20.0
Benzo[e]pyrene	15.280	2.5	ng	69611	6	15.410	561206	20.0
Dibenzo[def,mno...	16.833	2.3	ng	63458	6	15.410	561206	20.0

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB02	SDG No.:	Q1194
Lab Sample ID:	Q1194-04	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	64.7
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141351.D	1	01/28/25 09:56	02/01/25 00:03	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	280	UQ	280	510	ug/Kg
108-95-2	Phenol	130	U	130	260	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	130	U	130	260	ug/Kg
95-57-8	2-Chlorophenol	130	U	130	260	ug/Kg
95-48-7	2-Methylphenol	120	U	120	260	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	140	U	140	260	ug/Kg
98-86-2	Acetophenone	130	U	130	260	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	510	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	62.2	U	62.2	120	ug/Kg
67-72-1	Hexachloroethane	130	U	130	260	ug/Kg
98-95-3	Nitrobenzene	140	U	140	260	ug/Kg
78-59-1	Isophorone	130	U	130	260	ug/Kg
88-75-5	2-Nitrophenol	150	U	150	260	ug/Kg
105-67-9	2,4-Dimethylphenol	140	U	140	260	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	130	U	130	260	ug/Kg
120-83-2	2,4-Dichlorophenol	120	U	120	260	ug/Kg
91-20-3	Naphthalene	130	U	130	260	ug/Kg
106-47-8	4-Chloroaniline	130	UQ	130	260	ug/Kg
87-68-3	Hexachlorobutadiene	130	U	130	260	ug/Kg
105-60-2	Caprolactam	130	U	130	510	ug/Kg
59-50-7	4-Chloro-3-methylphenol	120	U	120	260	ug/Kg
91-57-6	2-Methylnaphthalene	130	U	130	260	ug/Kg
77-47-4	Hexachlorocyclopentadiene	240	UQ	240	510	ug/Kg
88-06-2	2,4,6-Trichlorophenol	110	U	110	260	ug/Kg
95-95-4	2,4,5-Trichlorophenol	110	U	110	260	ug/Kg
92-52-4	1,1-Biphenyl	130	U	130	260	ug/Kg
91-58-7	2-Chloronaphthalene	130	U	130	260	ug/Kg
88-74-4	2-Nitroaniline	150	U	150	260	ug/Kg
131-11-3	Dimethylphthalate	130	U	130	260	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB02	SDG No.:	Q1194
Lab Sample ID:	Q1194-04	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	64.7
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141351.D	1	01/28/25 09:56	02/01/25 00:03	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	130	U	130	260	ug/Kg
606-20-2	2,6-Dinitrotoluene	130	U	130	260	ug/Kg
99-09-2	3-Nitroaniline	140	UQ	140	260	ug/Kg
83-32-9	Acenaphthene	130	U	130	260	ug/Kg
51-28-5	2,4-Dinitrophenol	370	U	370	510	ug/Kg
100-02-7	4-Nitrophenol	180	U	180	510	ug/Kg
132-64-9	Dibenzofuran	130	U	130	260	ug/Kg
121-14-2	2,4-Dinitrotoluene	130	U	130	260	ug/Kg
84-66-2	Diethylphthalate	120	U	120	260	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	130	U	130	260	ug/Kg
86-73-7	Fluorene	130	U	130	260	ug/Kg
100-01-6	4-Nitroaniline	170	U	170	260	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	180	U	180	510	ug/Kg
86-30-6	n-Nitrosodiphenylamine	130	U	130	260	ug/Kg
101-55-3	4-Bromophenyl-phenylether	120	U	120	260	ug/Kg
118-74-1	Hexachlorobenzene	130	U	130	260	ug/Kg
1912-24-9	Atrazine	140	U	140	260	ug/Kg
87-86-5	Pentachlorophenol	120	U	120	510	ug/Kg
85-01-8	Phenanthrene	130	U	130	260	ug/Kg
120-12-7	Anthracene	130	U	130	260	ug/Kg
86-74-8	Carbazole	120	U	120	260	ug/Kg
84-74-2	Di-n-butylphthalate	130	U	130	260	ug/Kg
206-44-0	Fluoranthene	130	U	130	260	ug/Kg
129-00-0	Pyrene	130	U	130	260	ug/Kg
85-68-7	Butylbenzylphthalate	150	U	150	260	ug/Kg
91-94-1	3,3-Dichlorobenzidine	150	UQ	150	510	ug/Kg
56-55-3	Benzo(a)anthracene	120	U	120	260	ug/Kg
218-01-9	Chrysene	120	U	120	260	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	140	U	140	260	ug/Kg
117-84-0	Di-n-octyl phthalate	170	U	170	510	ug/Kg
205-99-2	Benzo(b)fluoranthene	130	U	130	260	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB02	SDG No.:	Q1194
Lab Sample ID:	Q1194-04	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	64.7
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141351.D	1	01/28/25 09:56	02/01/25 00:03	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	130	U	130	260	ug/Kg
50-32-8	Benzo(a)pyrene	140	U	140	260	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	120	U	120	260	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	130	U	130	260	ug/Kg
191-24-2	Benzo(g,h,i)perylene	120	U	120	260	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	130	U	130	260	ug/Kg
123-91-1	1,4-Dioxane	170	U	170	260	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	120	U	120	260	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	108		30 (18) - 130 (112)	72%	SPK: 150
13127-88-3	Phenol-d6	104		30 (15) - 130 (107)	69%	SPK: 150
4165-60-0	Nitrobenzene-d5	72.9		30 (18) - 130 (107)	73%	SPK: 100
321-60-8	2-Fluorobiphenyl	68.9		30 (20) - 130 (109)	69%	SPK: 100
118-79-6	2,4,6-Tribromophenol	102		30 (10) - 130 (116)	68%	SPK: 150
1718-51-0	Terphenyl-d14	56.4		30 (10) - 130 (105)	56%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	148000	6.798
1146-65-2	Naphthalene-d8	590000	8.081
15067-26-2	Acenaphthene-d10	307000	9.833
1517-22-2	Phenanthrene-d10	457000	11.321
1719-03-5	Chrysene-d12	306000	13.962
1520-96-3	Perylene-d12	277000	15.421

TENTATIVE IDENTIFIED COMPOUNDS

004744-10-9	Propane, 1,1-dimethoxy-	160	JB	2.16	ug/Kg
000119-61-9	Benzophenone	200	J	10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	380	J	11.9	ug/Kg
1000324-48-6	Adipic acid, 2-ethylhexyl octyl es	280	J	13.5	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB02	SDG No.:	Q1194
Lab Sample ID:	Q1194-04	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	64.7
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141351.D	1	01/28/25 09:56	02/01/25 00:03	PB166294

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\BF013125\
Data File : BF141351.D
Acq On : 01 Feb 2025 00:03
Operator : RC/JU
Sample : Q1194-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB02

Quant Time: Feb 01 00:57:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	147849	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	589893	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	306711	20.000	ng	0.00
64) Phenanthrene-d10	11.321	188	457334	20.000	ng	0.00
76) Chrysene-d12	13.962	240	306408	20.000	ng	-0.01
86) Perylene-d12	15.421	264	276735	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	1036855	107.663	ng	0.01
7) Phenol-d6	6.439	99	1275689	104.126	ng	0.00
23) Nitrobenzene-d5	7.363	82	816085	72.930	ng	0.00
42) 2,4,6-Tribromophenol	10.627	330	286008	101.716	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1373369	68.921	ng	0.00
79) Terphenyl-d14	12.910	244	1120159	56.379	ng	0.00

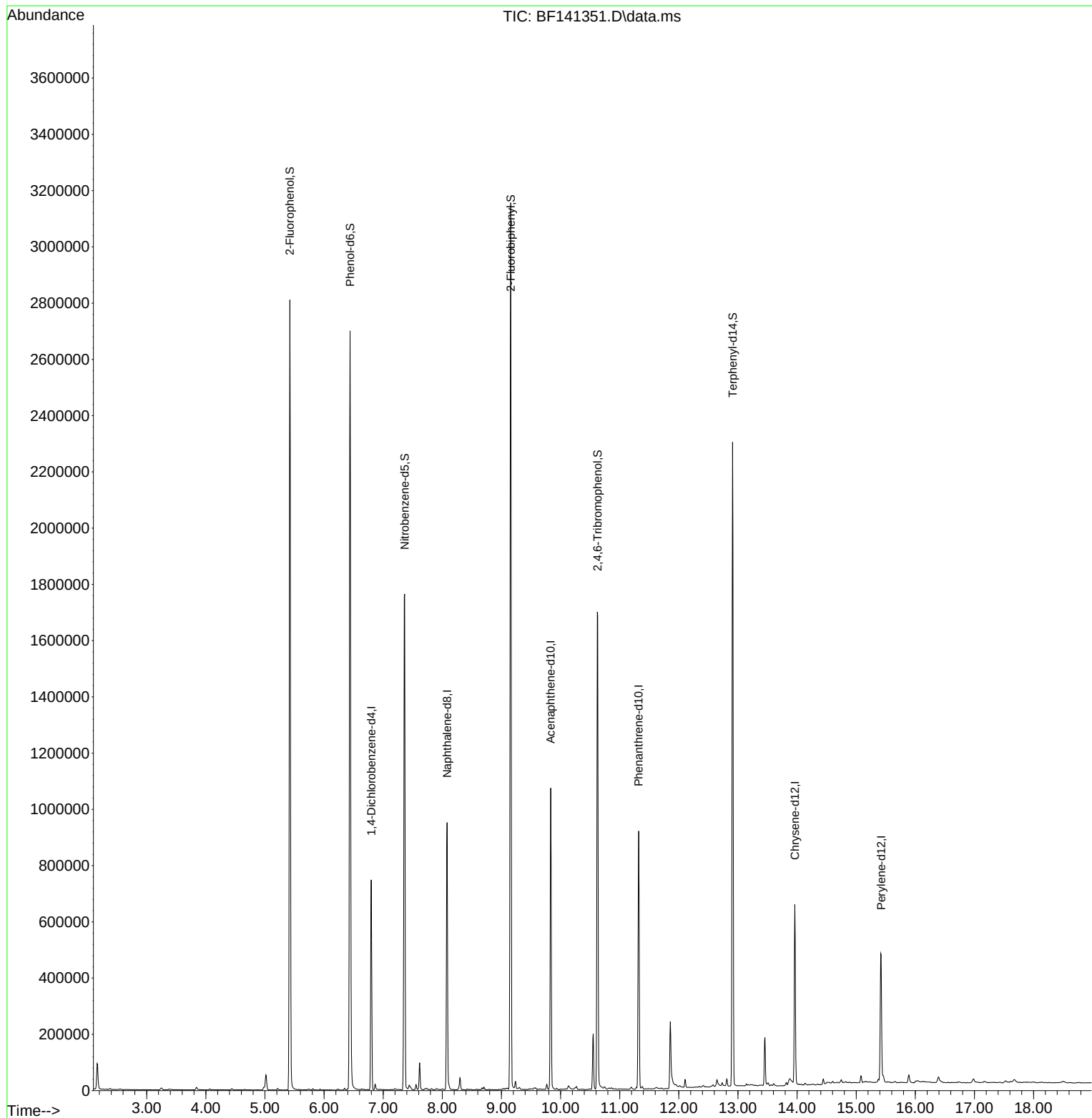
Target Compounds	Qvalue

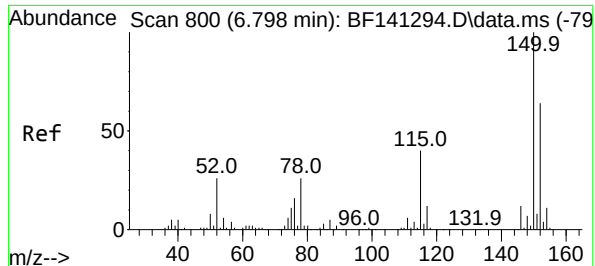
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141351.D
Acq On : 01 Feb 2025 00:03
Operator : RC/JU
Sample : Q1194-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB02

Quant Time: Feb 01 00:57:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

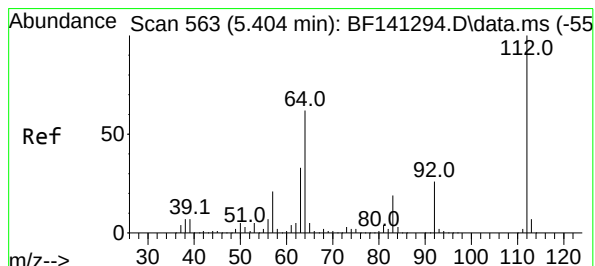
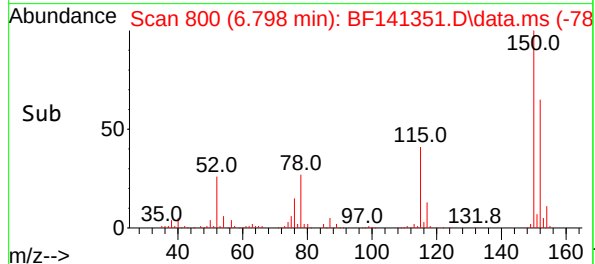
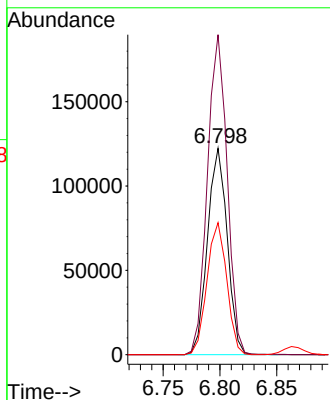
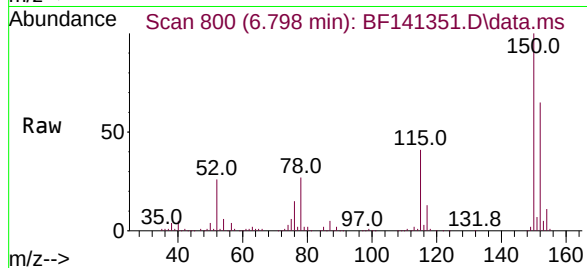




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF141351.D
Acq: 01 Feb 2025 00:03

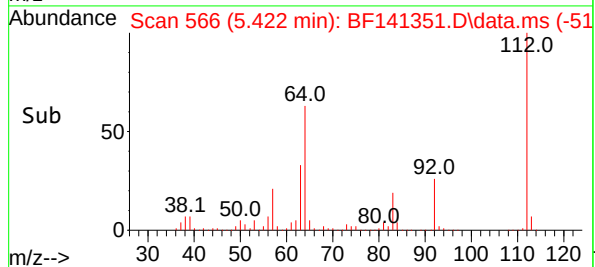
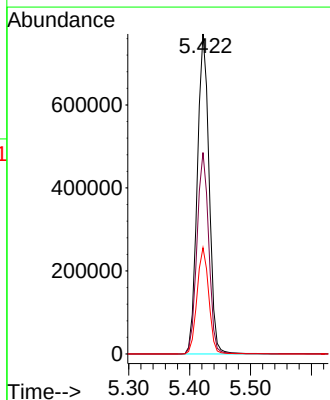
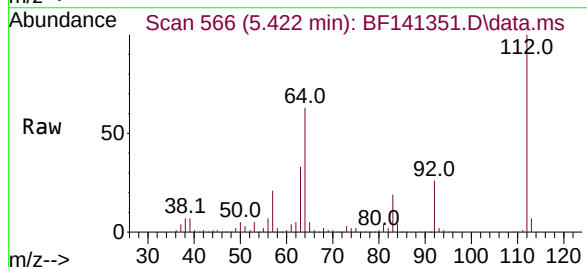
Instrument :
BNA_F
ClientSampleId :
B-113-SB02

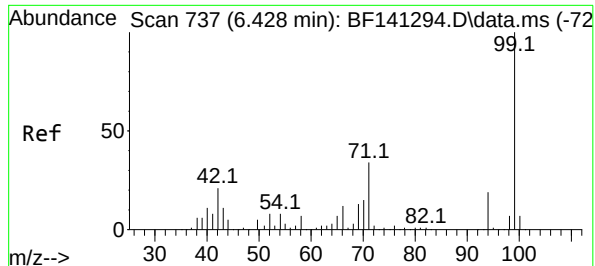
Tgt Ion:152 Resp: 147849
Ion Ratio Lower Upper
152 100
150 155.0 125.9 188.9
115 63.9 49.7 74.5



#5
2-Fluorophenol
Concen: 107.663 ng
RT: 5.422 min Scan# 566
Delta R.T. 0.012 min
Lab File: BF141351.D
Acq: 01 Feb 2025 00:03

Tgt Ion:112 Resp: 1036855
Ion Ratio Lower Upper
112 100
64 63.0 49.8 74.8
63 33.2 26.1 39.1

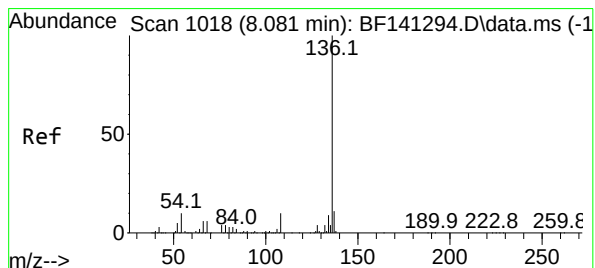
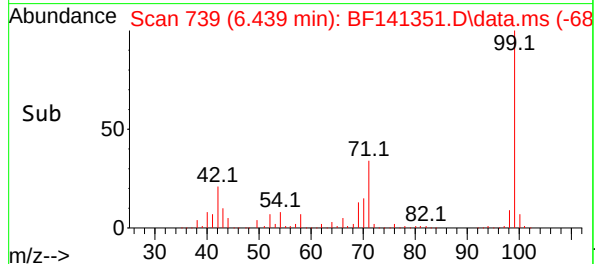
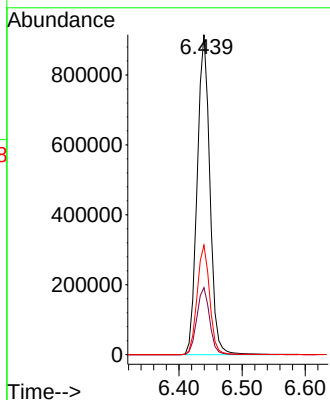
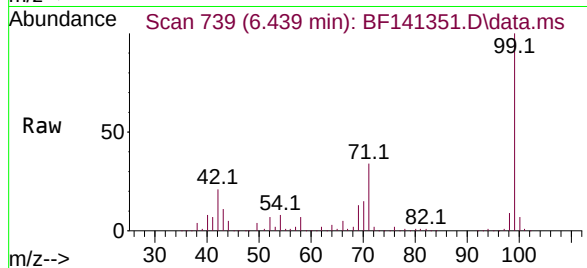




#7
Phenol-d6
Concen: 104.126 ng
RT: 6.439 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF141351.D
Acq: 01 Feb 2025 00:03

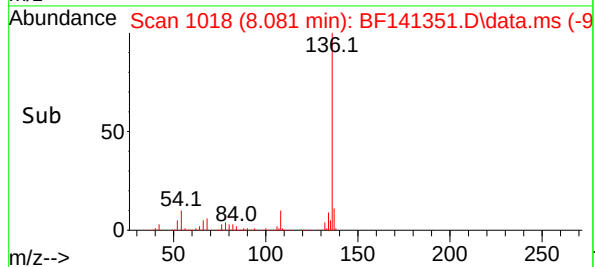
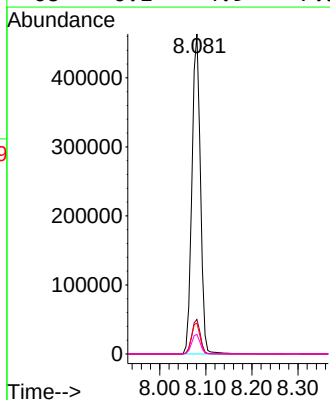
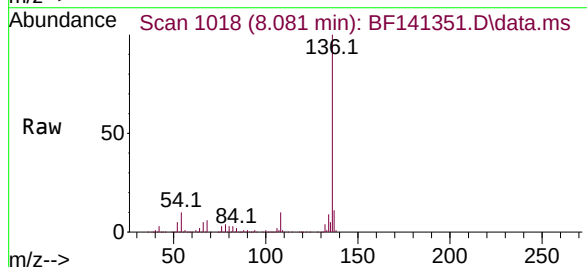
Instrument :
BNA_F
ClientSampleId :
B-113-SB02

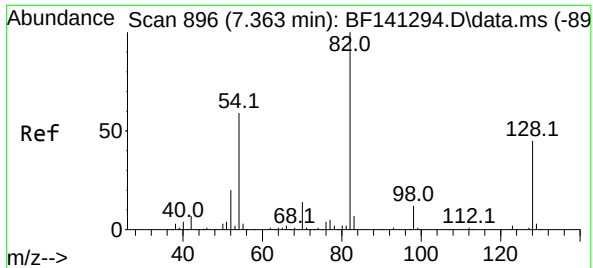
Tgt Ion: 99 Resp: 1275689
Ion Ratio Lower Upper
99 100
42 21.0 17.1 25.7
71 34.2 26.9 40.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF141351.D
Acq: 01 Feb 2025 00:03

Tgt Ion: 136 Resp: 589893
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 9.7 7.8 11.8
68 6.1 4.9 7.3





#23

Nitrobenzene-d5

Concen: 72.930 ng

RT: 7.363 min Scan# 896

Delta R.T. -0.006 min

Lab File: BF141351.D

Acq: 01 Feb 2025 00:03

Instrument :

BNA_F

ClientSampleId :

B-113-SB02

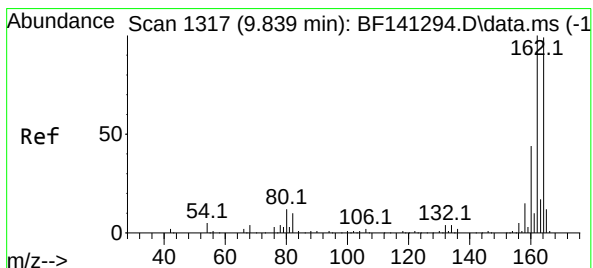
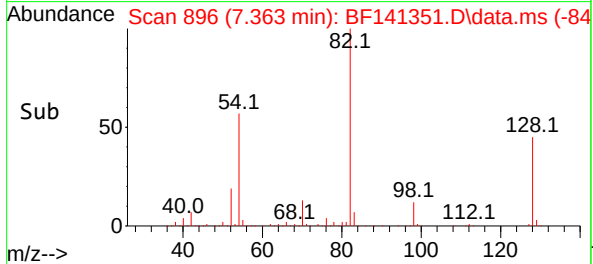
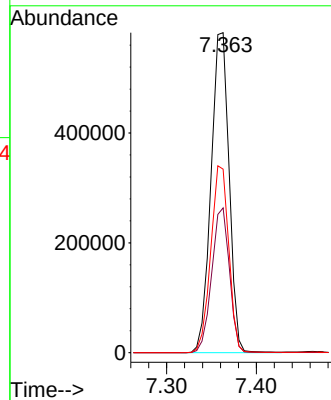
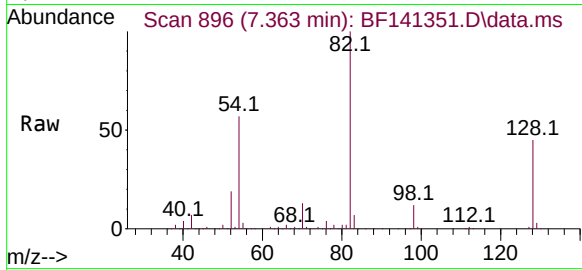
Tgt Ion: 82 Resp: 816085

Ion Ratio Lower Upper

82 100

128 45.2 35.7 53.5

54 57.4 47.1 70.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.833 min Scan# 1316

Delta R.T. -0.006 min

Lab File: BF141351.D

Acq: 01 Feb 2025 00:03

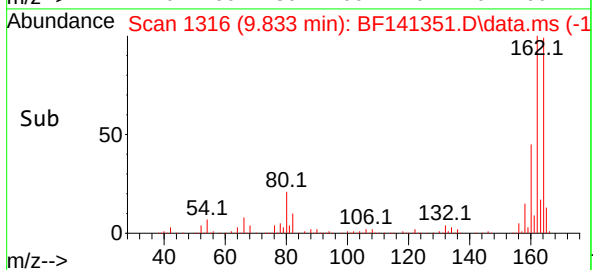
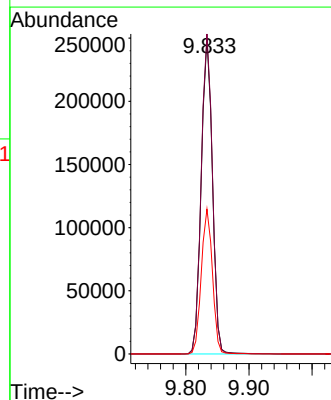
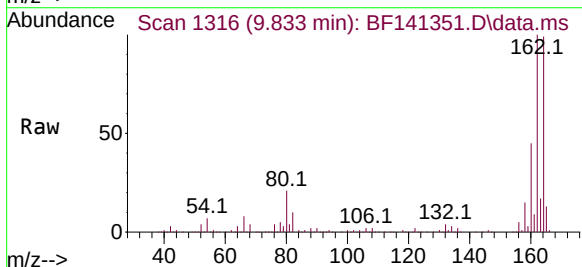
Tgt Ion:164 Resp: 306711

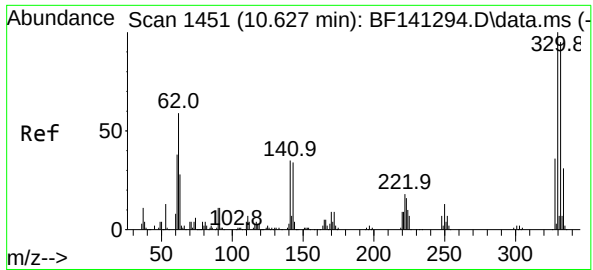
Ion Ratio Lower Upper

164 100

162 101.5 80.6 121.0

160 45.9 35.8 53.6

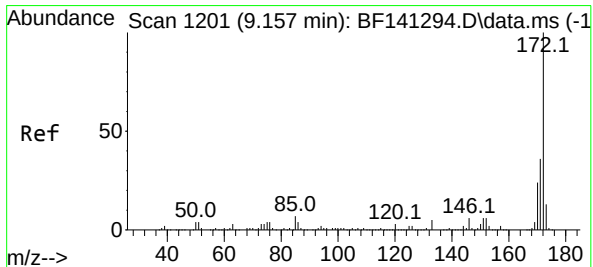
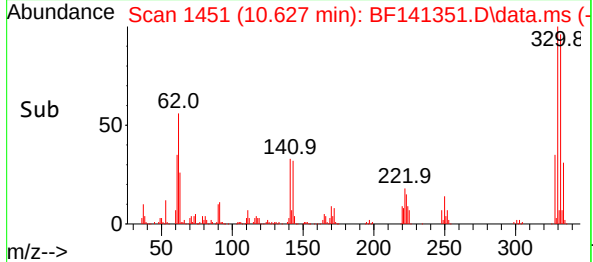
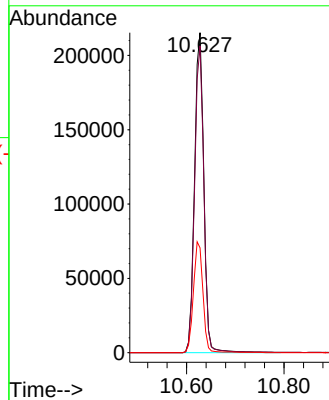
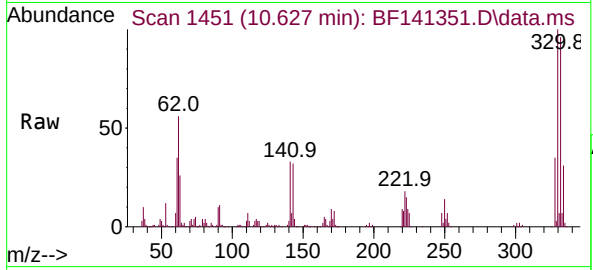




#42
2,4,6-Tribromophenol
Concen: 101.716 ng
RT: 10.627 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF141351.D
Acq: 01 Feb 2025 00:03

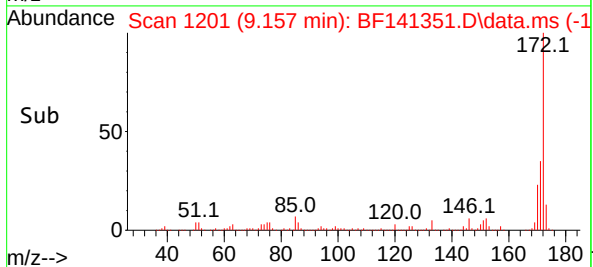
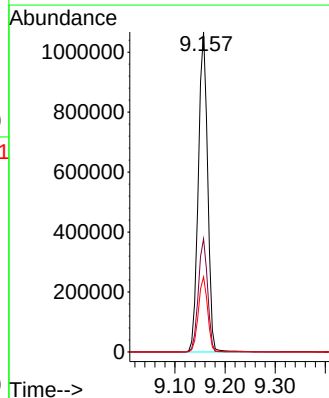
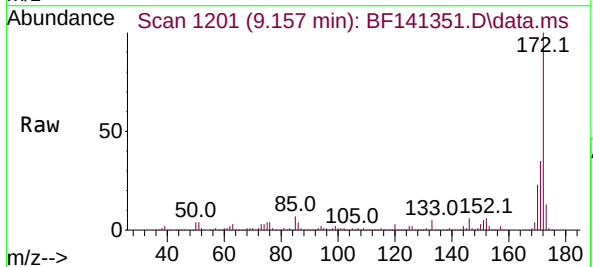
Instrument :
BNA_F
ClientSampleId :
B-113-SB02

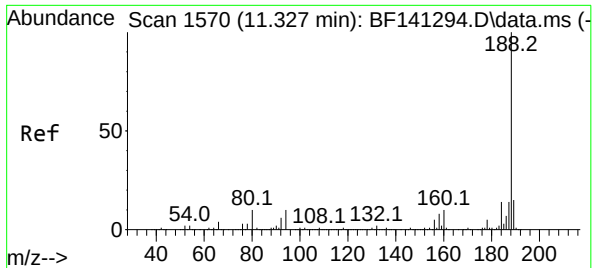
Tgt Ion:330 Resp: 286008
Ion Ratio Lower Upper
330 100
332 95.3 76.1 114.1
141 35.4 28.8 43.2



#45
2-Fluorobiphenyl
Concen: 68.921 ng
RT: 9.157 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF141351.D
Acq: 01 Feb 2025 00:03

Tgt Ion:172 Resp: 1373369
Ion Ratio Lower Upper
172 100
171 35.4 28.8 43.2
170 23.4 19.0 28.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.321 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141351.D

Acq: 01 Feb 2025 00:03

Instrument :

BNA_F

ClientSampleId :

B-113-SB02

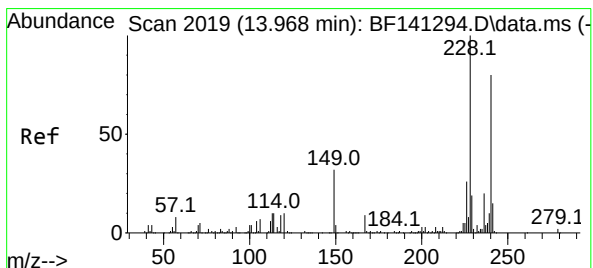
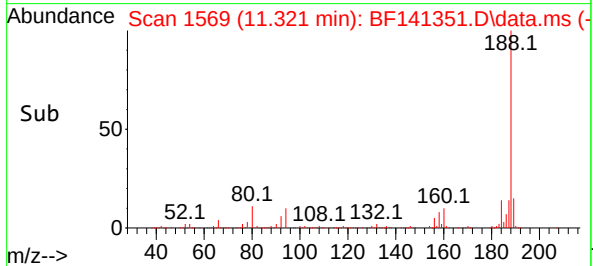
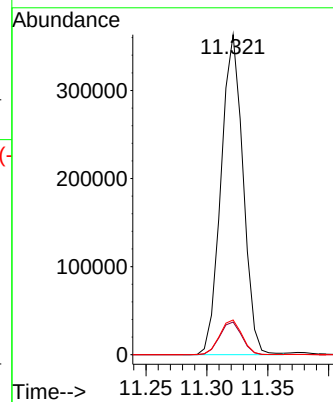
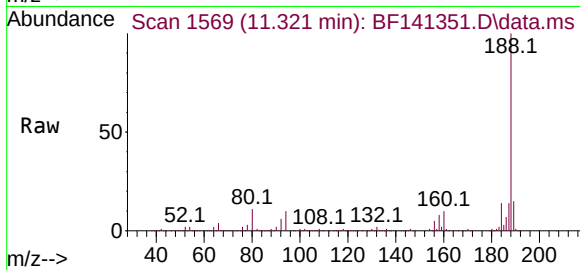
Tgt Ion:188 Resp: 457334

Ion Ratio Lower Upper

188 100

94 10.2 7.8 11.6

80 10.9 8.2 12.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.962 min Scan# 2018

Delta R.T. -0.012 min

Lab File: BF141351.D

Acq: 01 Feb 2025 00:03

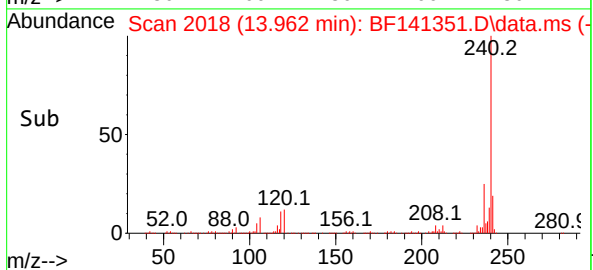
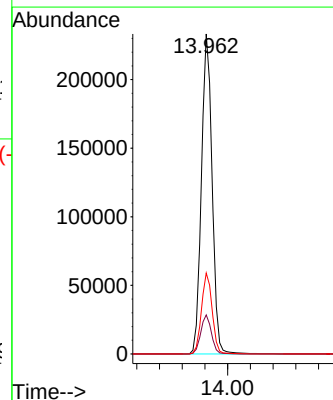
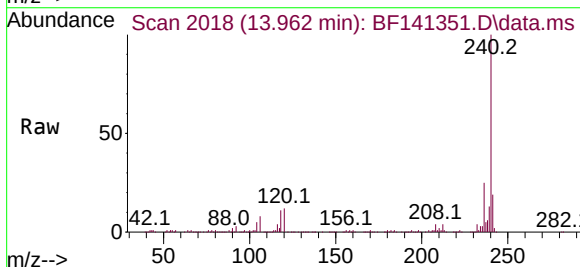
Tgt Ion:240 Resp: 306408

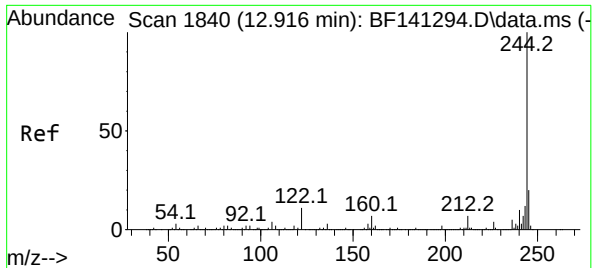
Ion Ratio Lower Upper

240 100

120 12.2 10.0 15.0

236 25.3 19.7 29.5

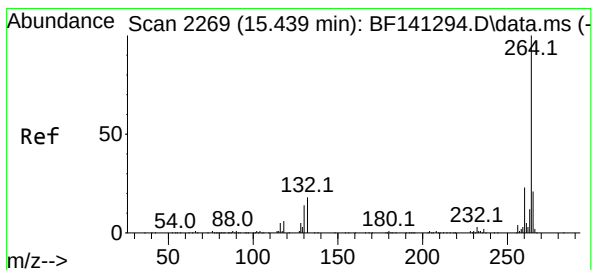
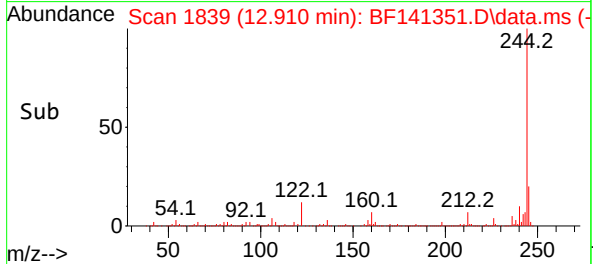
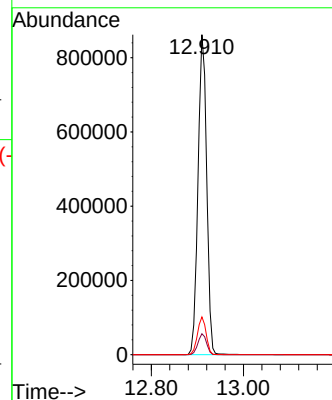
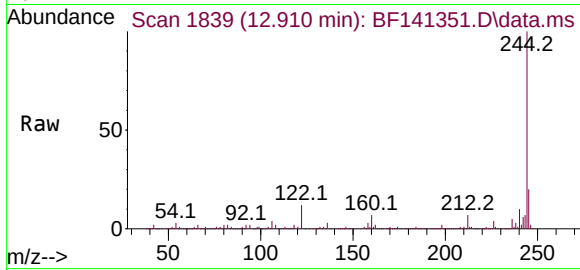




#79
Terphenyl-d14
Concen: 56.379 ng
RT: 12.910 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141351.D
Acq: 01 Feb 2025 00:03

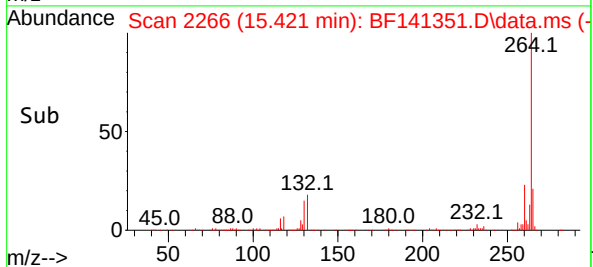
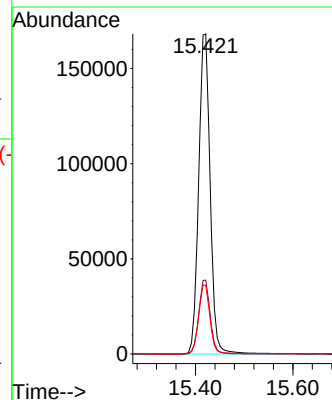
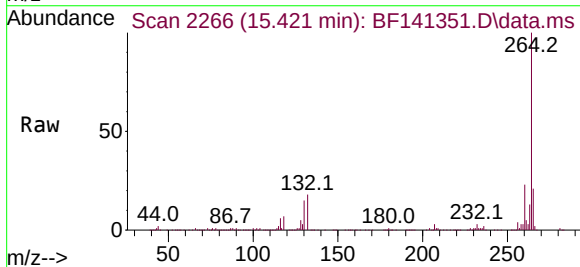
Instrument :
BNA_F
ClientSampleId :
B-113-SB02

Tgt Ion:244 Resp: 1120159
Ion Ratio Lower Upper
244 100
212 6.5 5.4 8.0
122 11.8 8.8 13.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2266
Delta R.T. -0.018 min
Lab File: BF141351.D
Acq: 01 Feb 2025 00:03

Tgt Ion:264 Resp: 276735
Ion Ratio Lower Upper
264 100
260 23.1 18.6 27.8
265 21.4 16.7 25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
 Data File : BF141351.D
 Acq On : 01 Feb 2025 00:03
 Operator : RC/JU
 Sample : Q1194-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-113-SB02

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141351.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.163	6	12	22	rVB	90277	143425	3.57%	0.529%
2	5.016	492	497	506	rVB	52627	88928	2.21%	0.328%
3	5.422	560	566	585	rBV	2809148	3765182	93.67%	13.879%
4	6.439	733	739	763	rVB	2697329	3810815	94.80%	14.048%
5	6.798	795	800	805	rBV	746676	904931	22.51%	3.336%
6	7.363	889	896	901	rBV	1762219	2468309	61.40%	9.099%
7	7.616	933	939	950	rVB	95616	122592	3.05%	0.452%
8	8.081	1012	1018	1035	rVB	949788	1235058	30.72%	4.553%
9	8.298	1045	1055	1062	rBV2	41712	61686	1.53%	0.227%
10	9.157	1195	1201	1206	rBV	3151336	4019772	100.00%	14.818%
11	9.833	1310	1316	1321	rBV	1071180	1317459	32.77%	4.856%
12	10.551	1433	1438	1445	rBV	197371	251038	6.25%	0.925%
13	10.622	1445	1450	1467	rBV	1696614	2351269	58.49%	8.667%
14	11.321	1564	1569	1575	rVB	913718	1143980	28.46%	4.217%
15	11.857	1655	1660	1674	rBV	238040	426342	10.61%	1.572%
16	12.645	1790	1794	1804	rBV2	21519	41337	1.03%	0.152%
17	12.910	1833	1839	1850	rVV	2289014	2961223	73.67%	10.916%
18	13.457	1927	1932	1937	rBV	170157	225935	5.62%	0.833%
19	13.874	1996	2003	2013	rBV6	21184	78960	1.96%	0.291%
20	13.962	2013	2018	2028	rVB	639614	841259	20.93%	3.101%
21	15.415	2260	2265	2283	rVB	458621	777143	19.33%	2.865%
22	15.892	2341	2346	2352	rBV	25849	43885	1.09%	0.162%
23	16.392	2426	2431	2444	rVB2	19167	47499	1.18%	0.175%

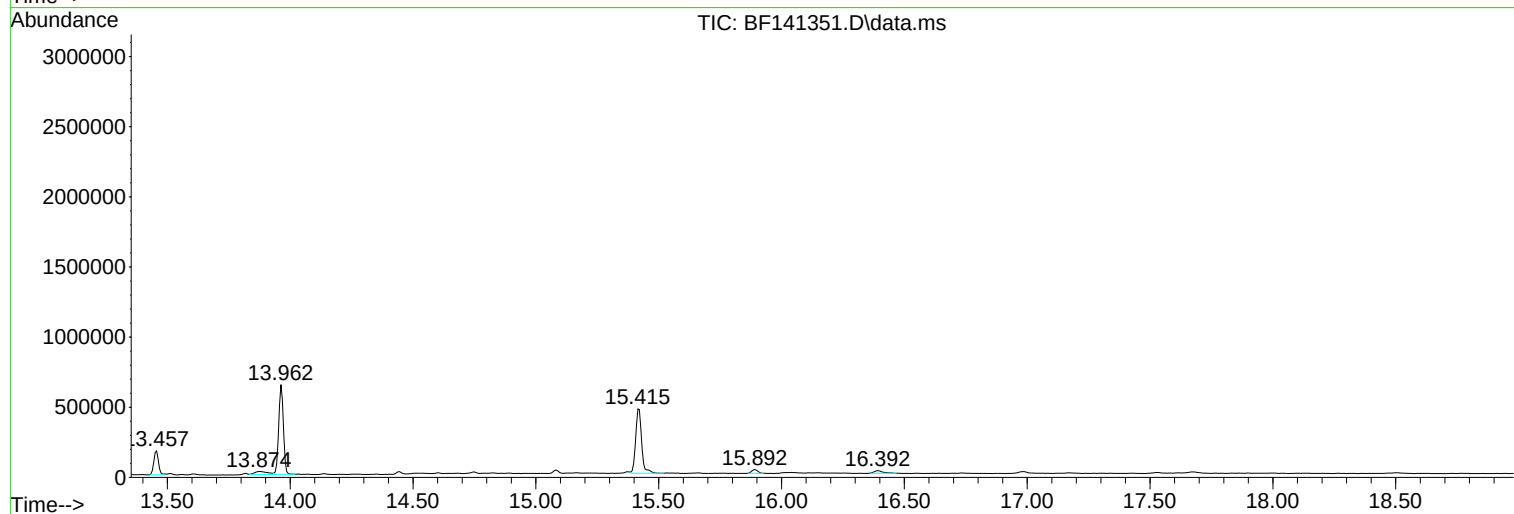
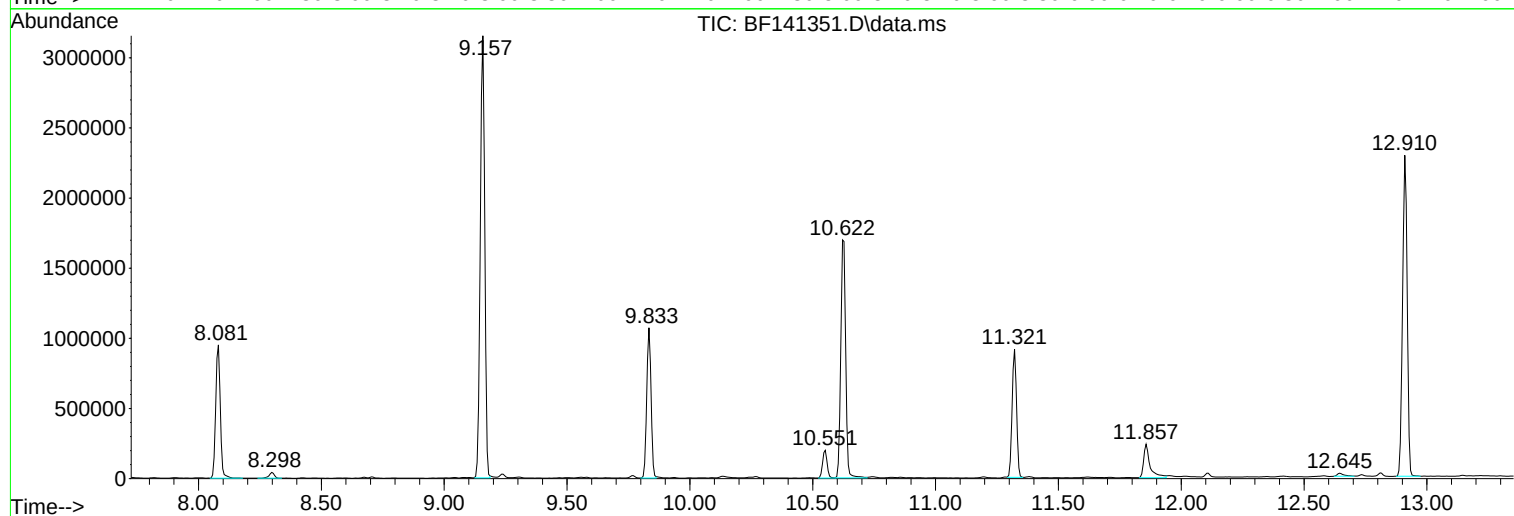
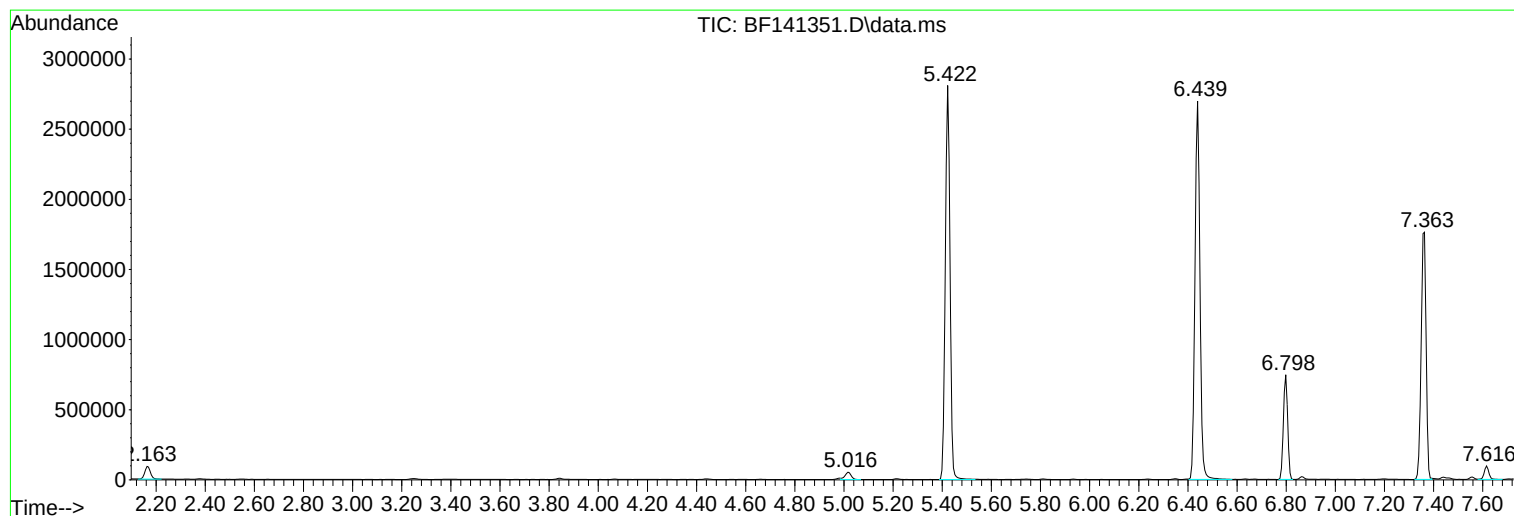
Sum of corrected areas: 27128027

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141351.D
Acq On : 01 Feb 2025 00:03
Operator : RC/JU
Sample : Q1194-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.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\BF013125\
Data File : BF141351.D
Acq On : 01 Feb 2025 00:03
Operator : RC/JU
Sample : Q1194-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB02

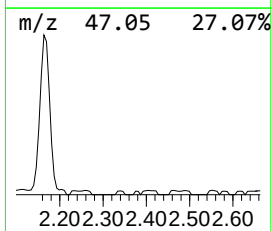
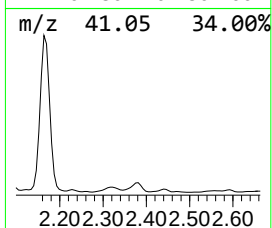
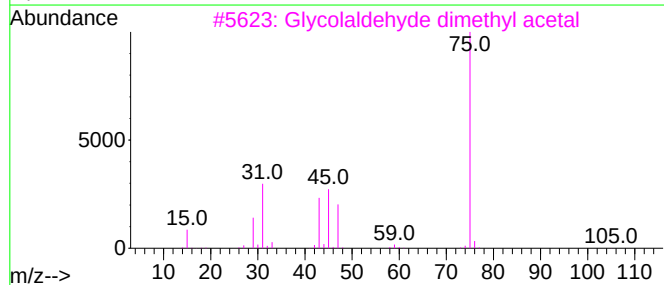
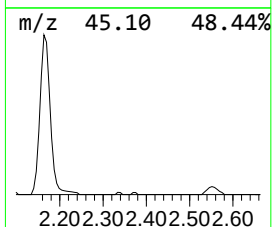
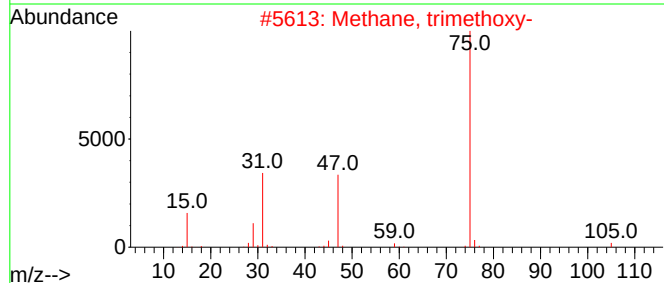
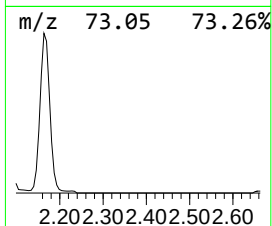
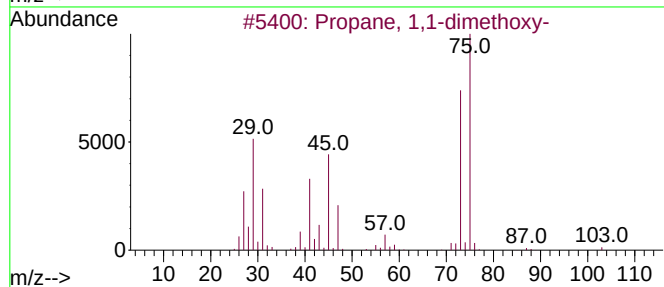
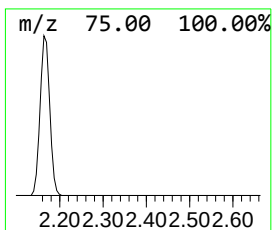
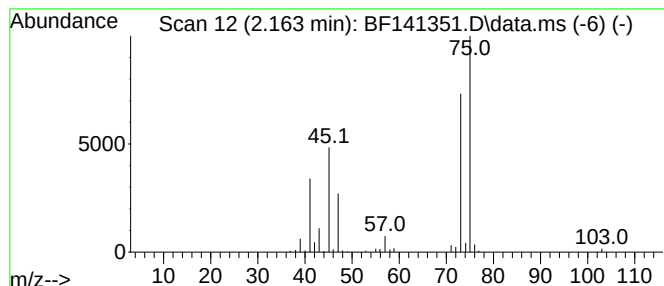
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Propane, 1,1-dimethoxy- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.163	3.17 ng	143425	1,4-Dichlorobenzene-d4	6.798

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Propane, 1,1-dimethoxy-	104	C5H12O2	004744-10-9	83
2			Methane, trimethoxy-	106	C4H10O3	000149-73-5	38
3			Glycolaldehyde dimethyl acetal	106	C4H10O3	030934-97-5	36
4			Aminoacetaldehyde dimethyl acetal	105	C4H11NO2	022483-09-6	33
5			Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141351.D
Acq On : 01 Feb 2025 00:03
Operator : RC/JU
Sample : Q1194-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB02

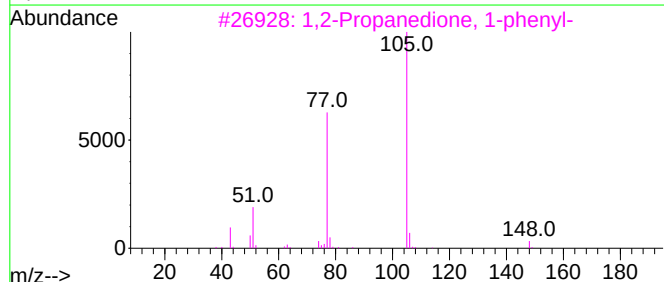
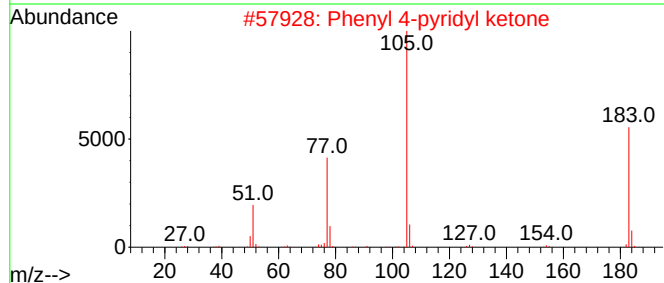
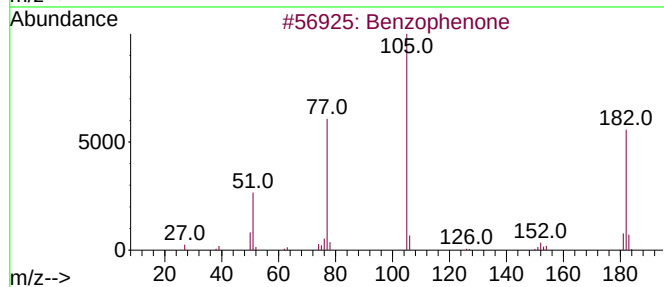
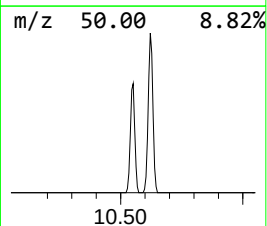
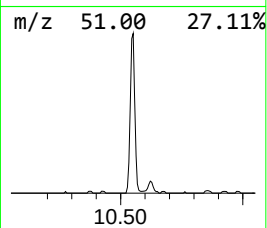
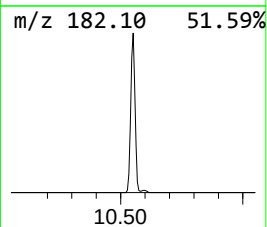
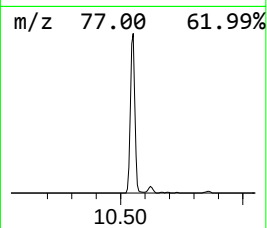
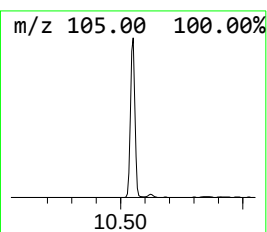
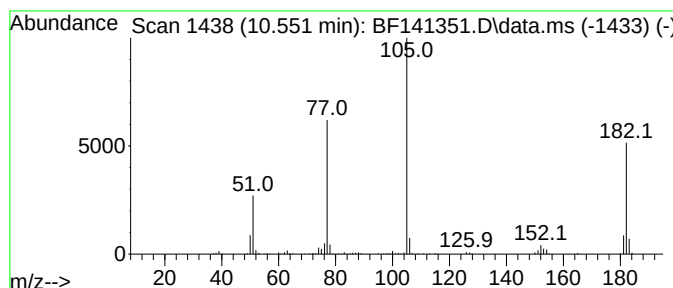
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.551	3.81 ng	251038	Acenaphthene-d10	9.833

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			1,2-Propanedione, 1-phenyl-	148	C9H8O2	000579-07-7	47
4			Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	47
5			2-(2-Oxo-2-phenyl-ethyl)-malonon...	184	C11H8N2O	1000296-76-9	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141351.D
Acq On : 01 Feb 2025 00:03
Operator : RC/JU
Sample : Q1194-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB02

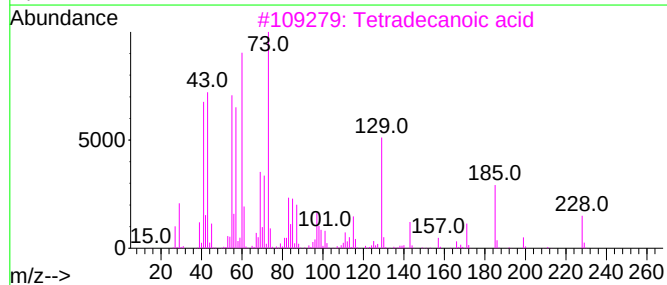
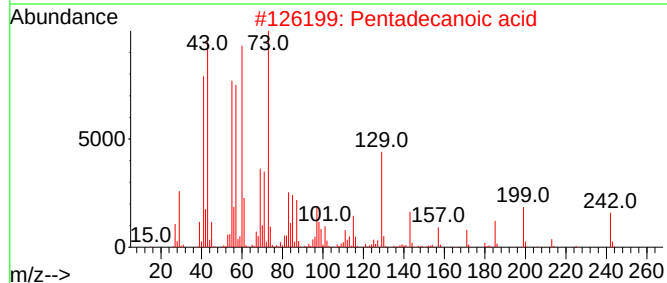
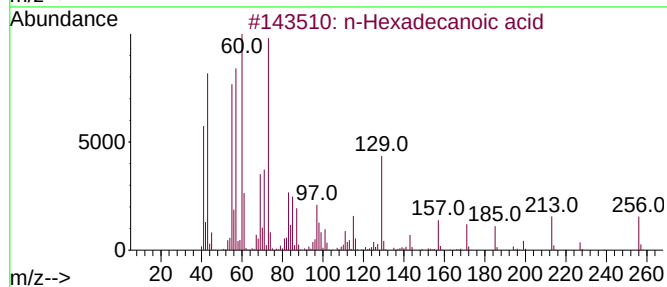
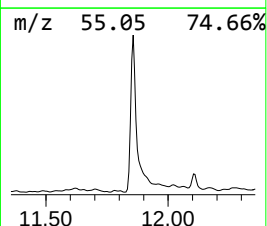
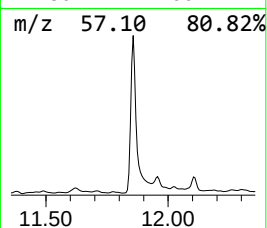
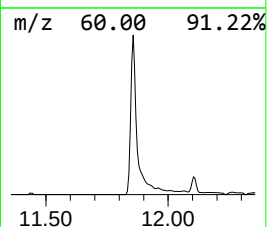
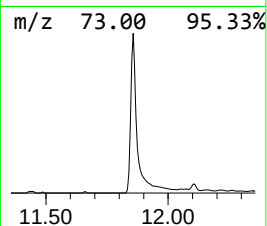
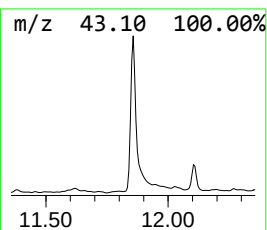
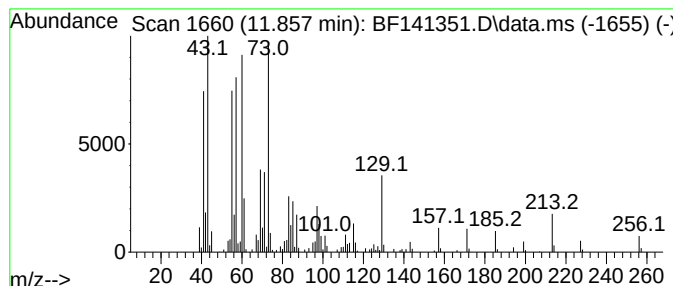
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.857	7.45 ng	426342	Phenanthrene-d10	11.322

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	90
3			Tetradecanoic acid	228	C14H28O2	000544-63-8	90
4			Tridecanoic acid	214	C13H26O2	000638-53-9	81
5			Undecanoic acid	186	C11H22O2	000112-37-8	62



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141351.D
Acq On : 01 Feb 2025 00:03
Operator : RC/JU
Sample : Q1194-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB02

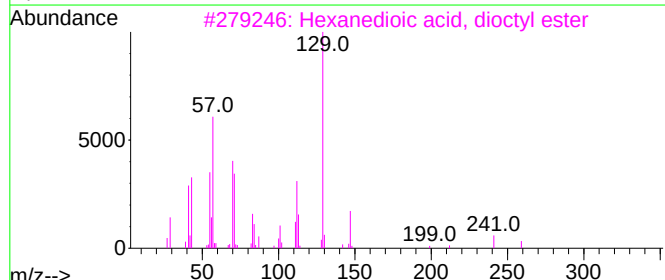
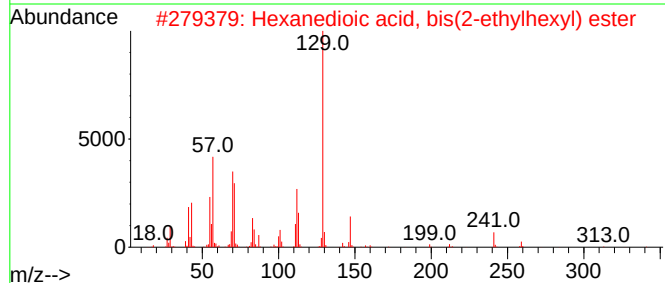
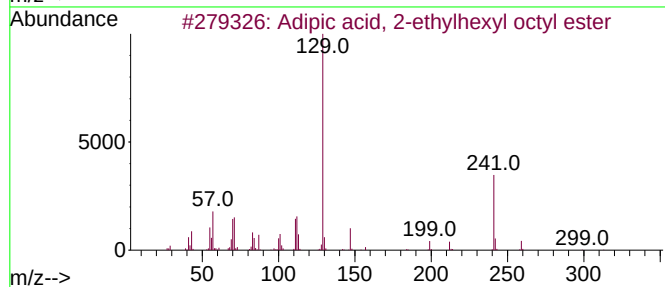
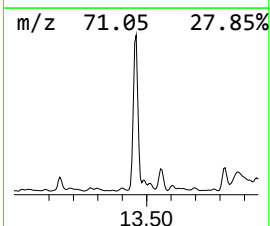
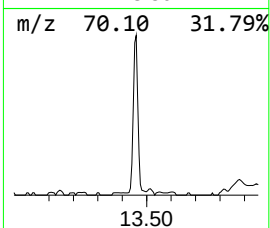
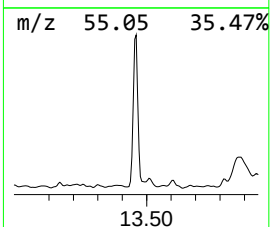
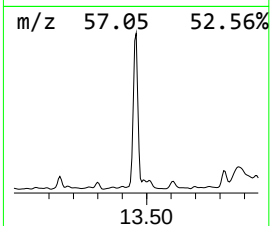
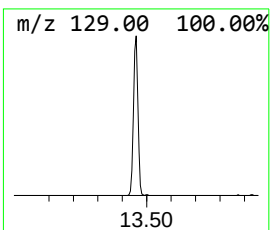
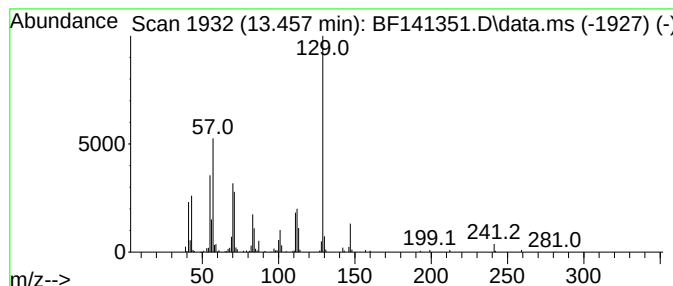
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Adipic acid, 2-ethylhexyl o... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.457	5.37 ng	225935	Chrysene-d12	13.963

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Adipic acid, 2-ethylhexyl octyl ...	370	C22H42O4	1000324-48-6	91
2			Hexanedioic acid, bis(2-ethylhex...	370	C22H42O4	000103-23-1	91
3			Hexanedioic acid, dioctyl ester	370	C22H42O4	000123-79-5	76
4			Hexanedioic acid, mono(2-ethylhe...	258	C14H26O4	004337-65-9	68
5			Adipic acid, 2-ethylhexyl isobut...	314	C18H34O4	1010324-48-0	59



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141351.D
Acq On : 01 Feb 2025 00:03
Operator : RC/JU
Sample : Q1194-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.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
Propane, 1,1-di...	2.163	3.2	ng	143425	1	6.798	904931	20.0
Benzophenone	10.551	3.8	ng	251038	3	9.833	1317460	20.0
n-Hexadecanoic ...	11.857	7.5	ng	426342	4	11.322	1143980	20.0
Adipic acid, 2-...	13.457	5.4	ng	225935	5	13.963	841259	20.0

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	EB	SDG No.:	Q1194
Lab Sample ID:	Q1194-08	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	500 Units: mL	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141367.D	1	01/29/25 08:40	02/03/25 14:08	PB166339

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	4.00	UQ	4.00	10.0	ug/L
108-95-2	Phenol	0.93	U	0.93	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.20	U	1.20	5.00	ug/L
95-57-8	2-Chlorophenol	0.71	U	0.71	5.00	ug/L
95-48-7	2-Methylphenol	1.10	U	1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.40	U	1.40	5.00	ug/L
98-86-2	Acetophenone	1.10	U	1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	1.20	U	1.20	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.50	U	1.50	2.50	ug/L
67-72-1	Hexachloroethane	1.00	U	1.00	5.00	ug/L
98-95-3	Nitrobenzene	1.30	U	1.30	5.00	ug/L
78-59-1	Isophorone	1.10	U	1.10	5.00	ug/L
88-75-5	2-Nitrophenol	2.00	U	2.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	1.50	U	1.50	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1.00	U	1.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	0.88	U	0.88	5.00	ug/L
91-20-3	Naphthalene	1.00	U	1.00	5.00	ug/L
106-47-8	4-Chloroaniline	1.30	UQ	1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	1.30	U	1.30	5.00	ug/L
105-60-2	Caprolactam	1.70	U	1.70	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	0.84	U	0.84	5.00	ug/L
91-57-6	2-Methylnaphthalene	1.10	U	1.10	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	5.00	UQ	5.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	0.89	U	0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	1.00	U	1.00	5.00	ug/L
92-52-4	1,1-Biphenyl	0.91	U	0.91	5.00	ug/L
91-58-7	2-Chloronaphthalene	0.97	U	0.97	5.00	ug/L
88-74-4	2-Nitroaniline	1.40	U	1.40	5.00	ug/L
131-11-3	Dimethylphthalate	0.93	U	0.93	5.00	ug/L

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	EB	SDG No.:	Q1194
Lab Sample ID:	Q1194-08	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	500 Units: mL	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141367.D	1	01/29/25 08:40	02/03/25 14:08	PB166339

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	1.00	U	1.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	1.20	U	1.20	5.00	ug/L
99-09-2	3-Nitroaniline	1.40	UQ	1.40	5.00	ug/L
83-32-9	Acenaphthene	0.81	U	0.81	5.00	ug/L
51-28-5	2,4-Dinitrophenol	6.40	U	6.40	10.0	ug/L
100-02-7	4-Nitrophenol	2.00	U	2.00	10.0	ug/L
132-64-9	Dibenzofuran	0.93	U	0.93	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	1.50	U	1.50	5.00	ug/L
84-66-2	Diethylphthalate	1.00	U	1.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.98	U	0.98	5.00	ug/L
86-73-7	Fluorene	0.96	U	0.96	5.00	ug/L
100-01-6	4-Nitroaniline	2.00	U	2.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.10	U	3.10	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	0.89	U	0.89	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	0.95	U	0.95	5.00	ug/L
118-74-1	Hexachlorobenzene	1.10	U	1.10	5.00	ug/L
1912-24-9	Atrazine	1.30	U	1.30	5.00	ug/L
87-86-5	Pentachlorophenol	1.90	U	1.90	10.0	ug/L
85-01-8	Phenanthrene	0.89	U	0.89	5.00	ug/L
120-12-7	Anthracene	1.10	U	1.10	5.00	ug/L
86-74-8	Carbazole	1.20	U	1.20	5.00	ug/L
84-74-2	Di-n-butylphthalate	1.50	U	1.50	5.00	ug/L
206-44-0	Fluoranthene	1.30	U	1.30	5.00	ug/L
129-00-0	Pyrene	1.10	U	1.10	5.00	ug/L
85-68-7	Butylbenzylphthalate	2.10	U	2.10	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	1.30	UQ	1.30	10.0	ug/L
56-55-3	Benzo(a)anthracene	0.94	U	0.94	5.00	ug/L
218-01-9	Chrysene	0.86	U	0.86	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.90	U	1.90	5.00	ug/L
117-84-0	Di-n-octyl phthalate	2.50	U	2.50	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	1.10	U	1.10	5.00	ug/L

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	EB	SDG No.:	Q1194
Lab Sample ID:	Q1194-08	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	500 Units: mL	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141367.D	1	01/29/25 08:40	02/03/25 14:08	PB166339

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	1.20	U	1.20	5.00	ug/L
50-32-8	Benzo(a)pyrene	1.70	U	1.70	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1.00	U	1.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.20	U	1.20	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	1.20	U	1.20	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.10	U	1.10	5.00	ug/L
123-91-1	1,4-Dioxane	1.30	U	1.30	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.79	U	0.79	5.00	ug/L

SURROGATES

367-12-4	2-Fluorophenol	25.5		15 (10) - 110 (139)	34%	SPK: 75
13127-88-3	Phenol-d6	16.6		15 (10) - 110 (134)	22%	SPK: 75
4165-60-0	Nitrobenzene-d5	32.2		30 (49) - 130 (133)	64%	SPK: 50
321-60-8	2-Fluorobiphenyl	32.8		30 (52) - 130 (132)	66%	SPK: 50
118-79-6	2,4,6-Tribromophenol	52.9		15 (44) - 110 (137)	71%	SPK: 75
1718-51-0	Terphenyl-d14	35.1		30 (48) - 130 (125)	70%	SPK: 50

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	101000	6.793
1146-65-2	Naphthalene-d8	410000	8.075
15067-26-2	Acenaphthene-d10	228000	9.828
1517-22-2	Phenanthrene-d10	407000	11.316
1719-03-5	Chrysene-d12	332000	13.957
1520-96-3	Perylene-d12	265000	15.41

TENTATIVE IDENTIFIED COMPOUNDS

020324-32-7	2-Propanol, 1-(2-methoxy-1-methyle	3.20	J	8.32	ug/L
000119-61-9	Benzophenone	2.10	J	10.5	ug/L
000057-10-3	n-Hexadecanoic acid	14.7	J	11.9	ug/L
000057-11-4	Octadecanoic acid	6.10	J	12.6	ug/L
006222-03-3	Trifluoroacetoxy hexadecane	3.80	J	13.8	ug/L

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	EB	SDG No.:	Q1194
Lab Sample ID:	Q1194-08	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	500 Units: mL	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141367.D	1	01/29/25 08:40	02/03/25 14:08	PB166339

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141367.D
Acq On : 03 Feb 2025 14:08
Operator : RC/JU
Sample : Q1194-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EB

Quant Time: Feb 03 14:36:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	101266	20.000	ng	-0.01
21) Naphthalene-d8	8.075	136	409757	20.000	ng	-0.01
39) Acenaphthene-d10	9.828	164	228085	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	407498	20.000	ng	-0.01
76) Chrysene-d12	13.957	240	332056	20.000	ng	-0.02
86) Perylene-d12	15.410	264	264824	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	336523	51.017	ng	0.00
7) Phenol-d6	6.434	99	279381	33.294	ng	0.00
23) Nitrobenzene-d5	7.357	82	500491	64.390	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	221354	105.860	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	971685	65.572	ng	-0.01
79) Terphenyl-d14	12.910	244	1509500	70.107	ng	0.00

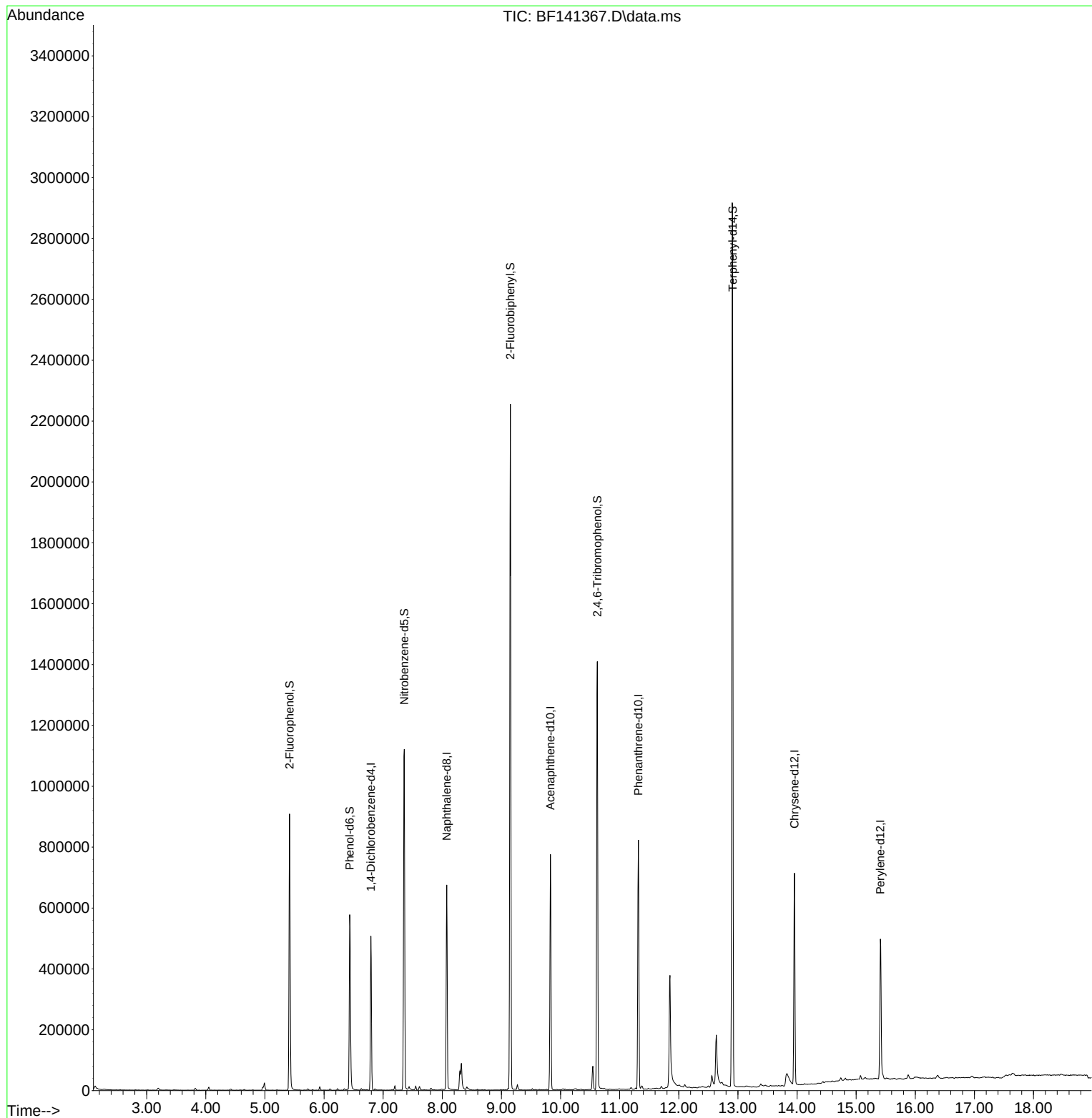
Target Compounds	Qvalue

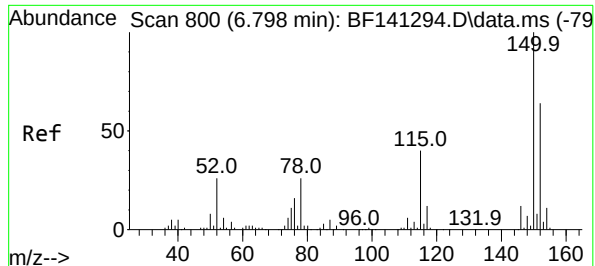
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141367.D
Acq On : 03 Feb 2025 14:08
Operator : RC/JU
Sample : Q1194-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EB

Quant Time: Feb 03 14:36:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

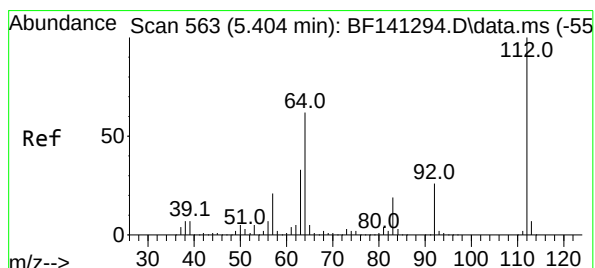
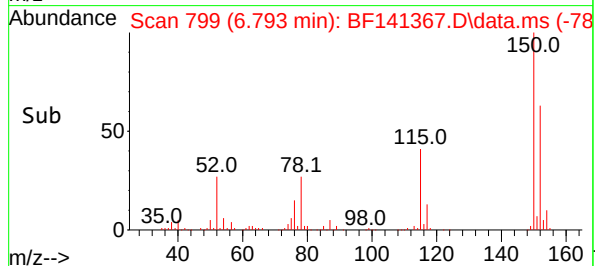
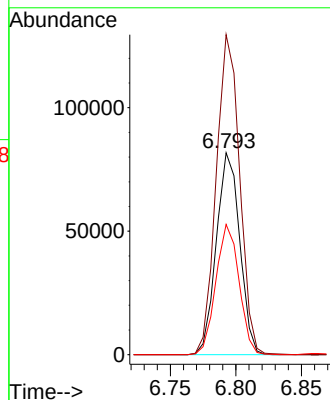
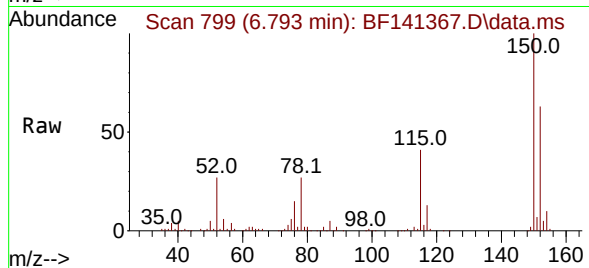




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 71
Delta R.T. -0.011 min
Lab File: BF141367.D
Acq: 03 Feb 2025 14:08

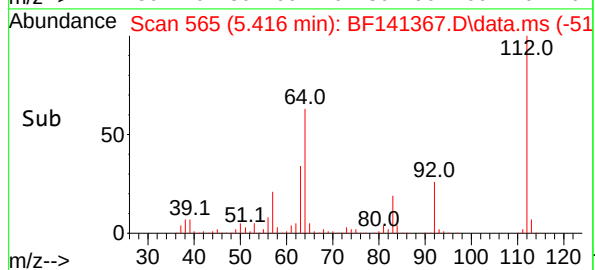
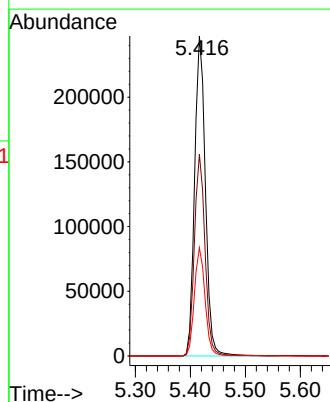
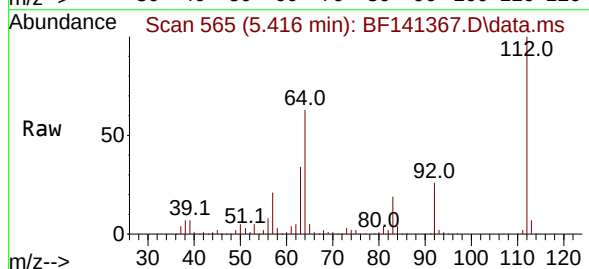
Instrument :
BNA_F
ClientSampleId :
EB

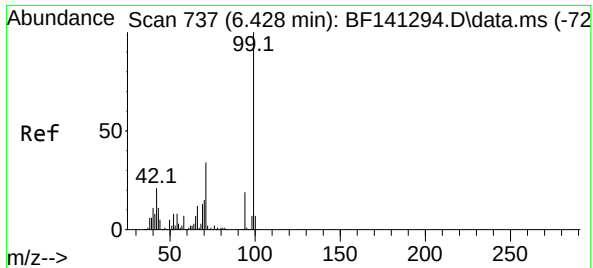
Tgt Ion:152 Resp: 101266
Ion Ratio Lower Upper
152 100
150 158.4 125.9 188.9
115 64.5 49.7 74.5



#5
2-Fluorophenol
Concen: 51.017 ng
RT: 5.416 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF141367.D
Acq: 03 Feb 2025 14:08

Tgt Ion:112 Resp: 336523
Ion Ratio Lower Upper
112 100
64 63.0 49.8 74.8
63 33.8 26.1 39.1

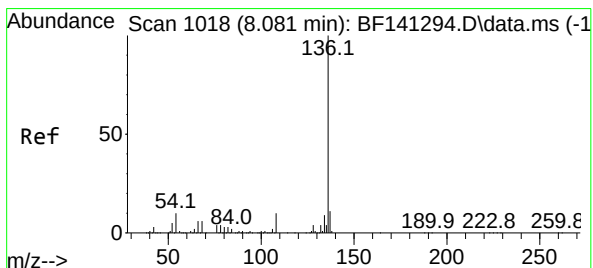
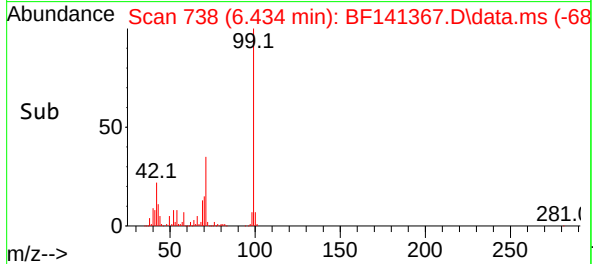
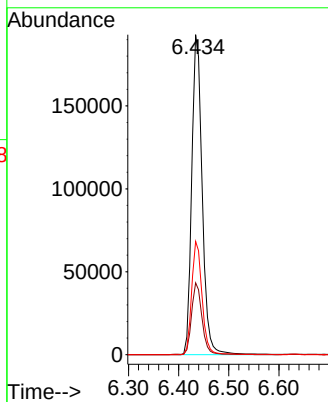
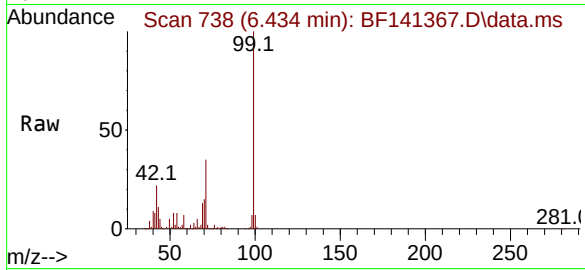




#7
Phenol-d6
Concen: 33.294 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141367.D
Acq: 03 Feb 2025 14:08

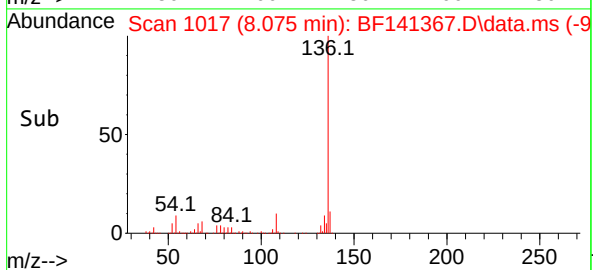
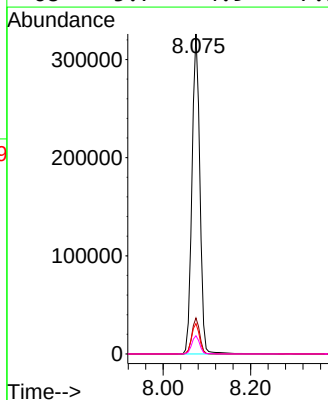
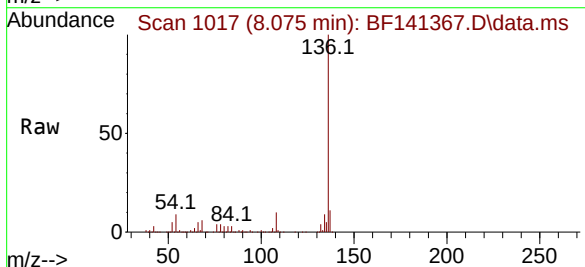
Instrument :
BNA_F
ClientSampleId :
EB

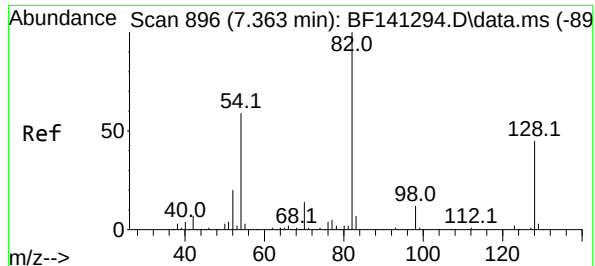
Tgt Ion: 99 Resp: 279381
Ion Ratio Lower Upper
99 100
42 22.4 17.1 25.7
71 35.4 26.9 40.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF141367.D
Acq: 03 Feb 2025 14:08

Tgt Ion: 136 Resp: 409757
Ion Ratio Lower Upper
136 100
137 11.2 8.6 13.0
54 9.5 7.8 11.8
68 5.7 4.9 7.3





#23

Nitrobenzene-d5

Concen: 64.390 ng

RT: 7.357 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF141367.D

Acq: 03 Feb 2025 14:08

Instrument :

BNA_F

ClientSampleId :

EB

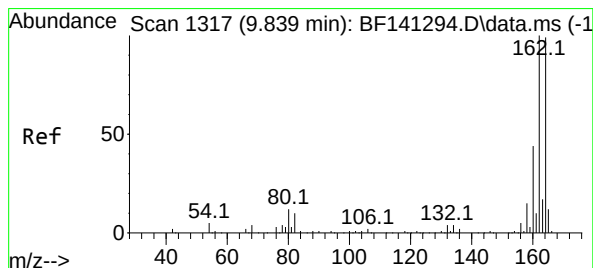
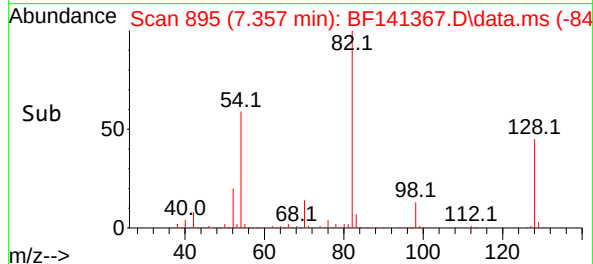
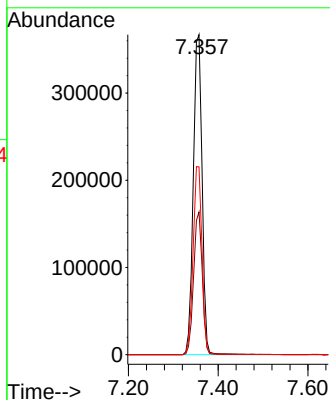
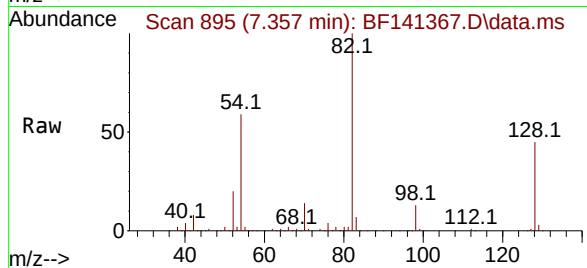
Tgt Ion: 82 Resp: 500491

Ion Ratio Lower Upper

82 100

128 44.6 35.7 53.5

54 58.7 47.1 70.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.828 min Scan# 1315

Delta R.T. -0.012 min

Lab File: BF141367.D

Acq: 03 Feb 2025 14:08

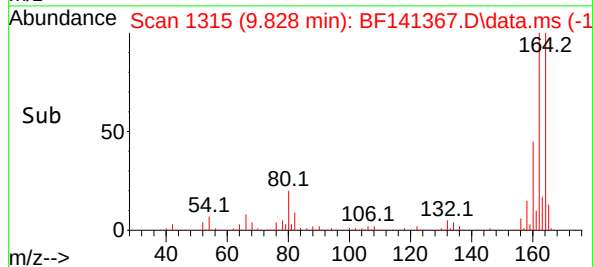
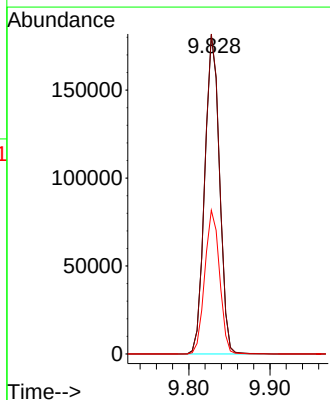
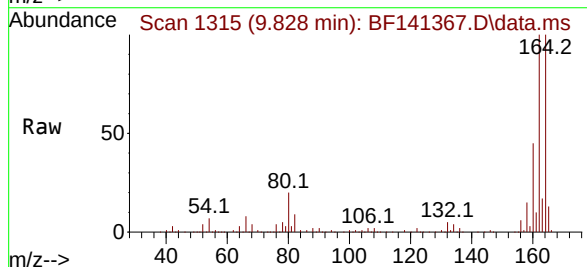
Tgt Ion:164 Resp: 228085

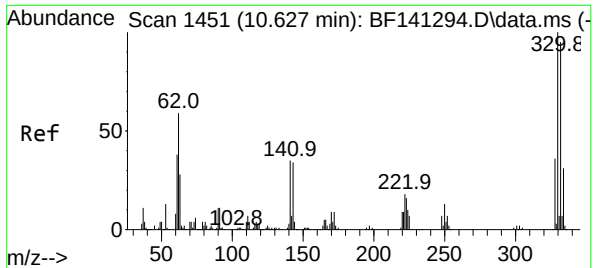
Ion Ratio Lower Upper

164 100

162 100.5 80.6 121.0

160 45.1 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 105.860 ng

RT: 10.622 min Scan# 1451

Delta R.T. -0.012 min

Lab File: BF141367.D

Acq: 03 Feb 2025 14:08

Instrument :

BNA_F

ClientSampleId :

EB

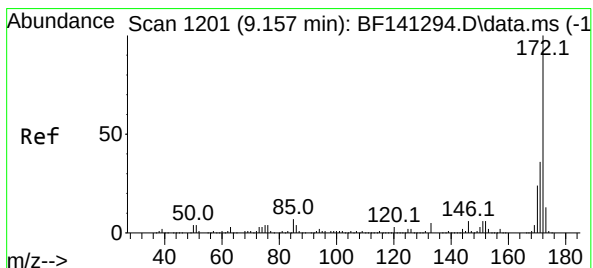
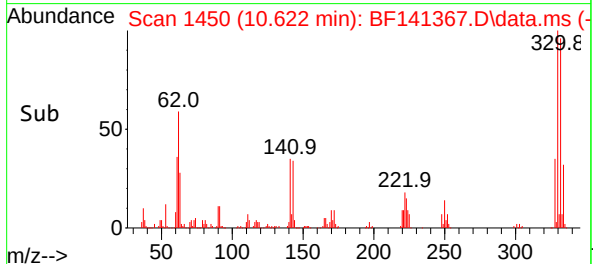
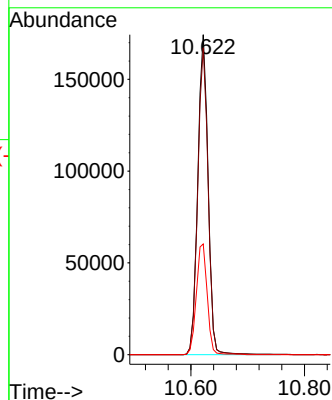
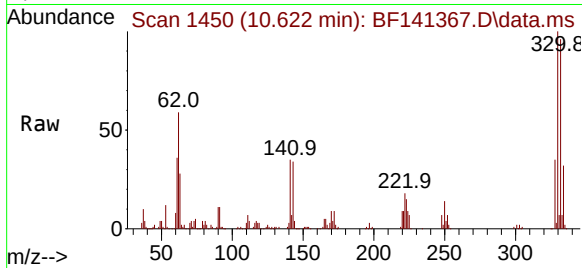
Tgt Ion:330 Resp: 221354

Ion Ratio Lower Upper

330 100

332 96.3 76.1 114.1

141 36.4 28.8 43.2



#45

2-Fluorobiphenyl

Concen: 65.572 ng

RT: 9.151 min Scan# 1200

Delta R.T. -0.012 min

Lab File: BF141367.D

Acq: 03 Feb 2025 14:08

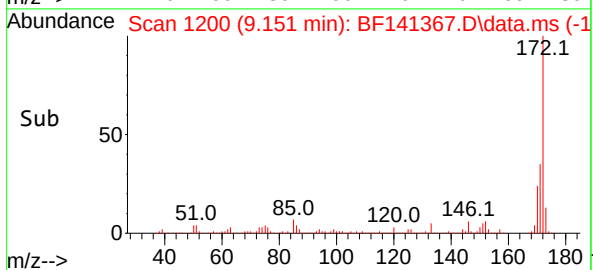
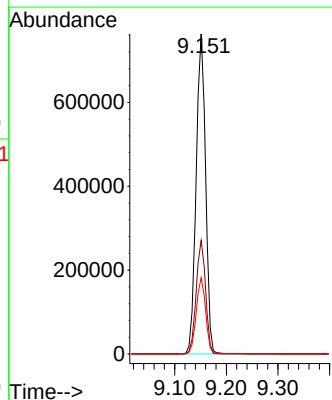
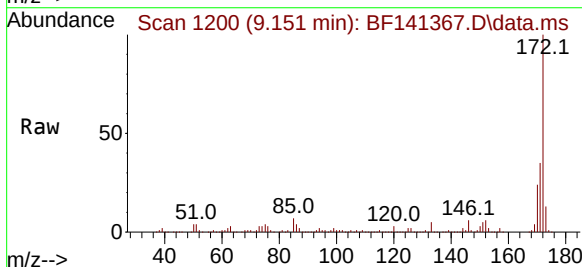
Tgt Ion:172 Resp: 971685

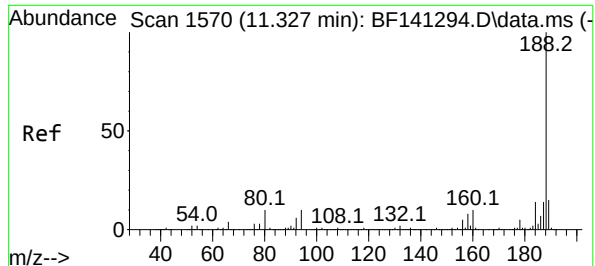
Ion Ratio Lower Upper

172 100

171 35.5 28.8 43.2

170 23.8 19.0 28.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.316 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141367.D

Acq: 03 Feb 2025 14:08

Instrument :

BNA_F

ClientSampleId :

EB

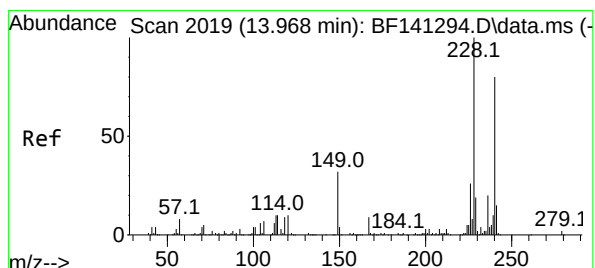
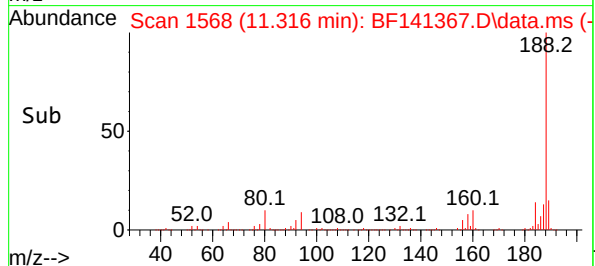
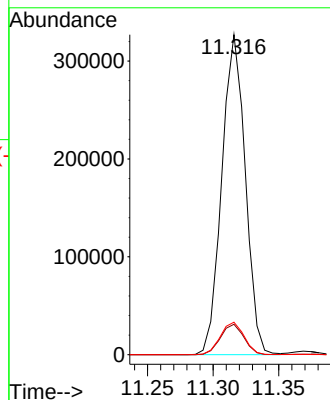
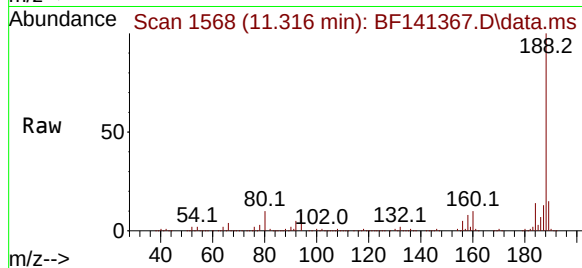
Tgt Ion:188 Resp: 407498

Ion Ratio Lower Upper

188 100

94 9.5 7.8 11.6

80 10.2 8.2 12.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.957 min Scan# 2017

Delta R.T. -0.018 min

Lab File: BF141367.D

Acq: 03 Feb 2025 14:08

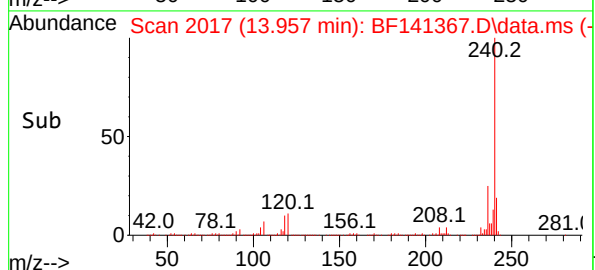
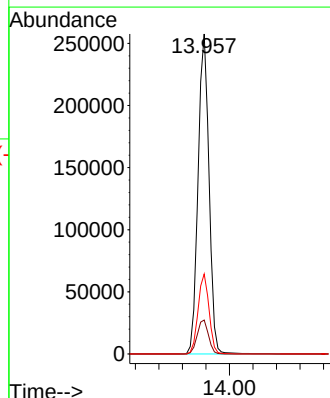
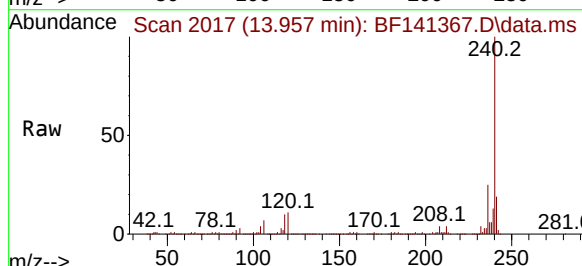
Tgt Ion:240 Resp: 332056

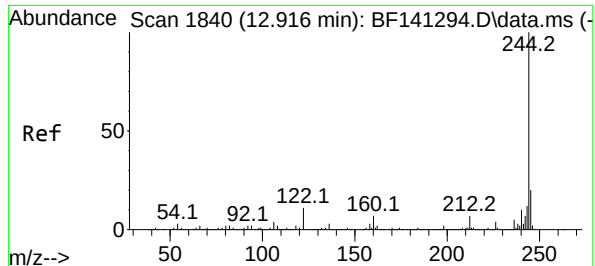
Ion Ratio Lower Upper

240 100

120 10.6 10.0 15.0

236 25.0 19.7 29.5





#79

Terphenyl-d14

Concen: 70.107 ng

RT: 12.910 min Scan# 1839

Delta R.T. -0.006 min

Lab File: BF141367.D

Acq: 03 Feb 2025 14:08

Instrument :

BNA_F

ClientSampleId :

EB

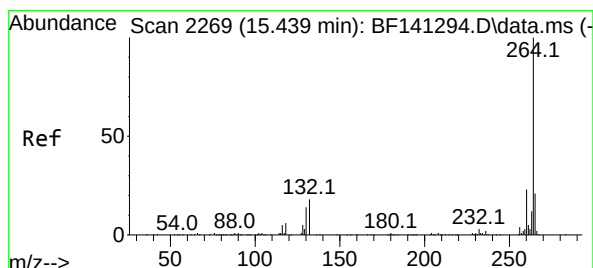
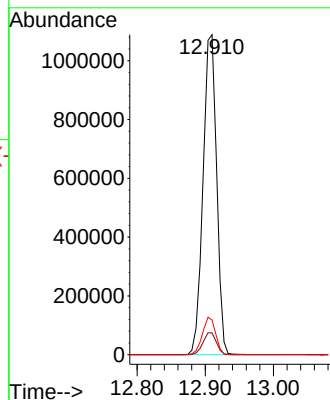
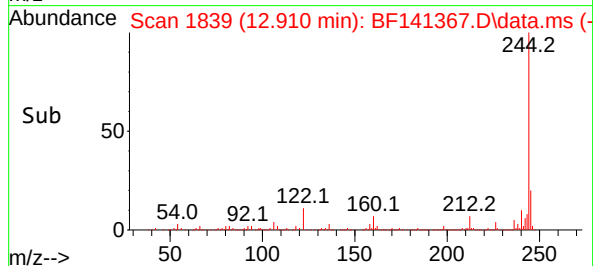
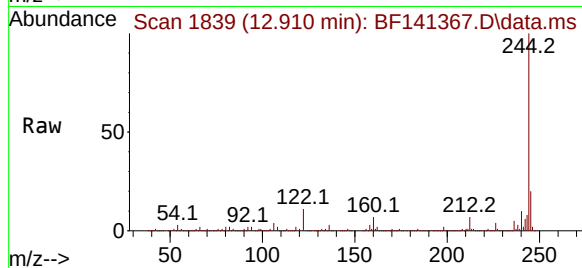
Tgt Ion:244 Resp: 1509500

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

122 10.9 8.8 13.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.410 min Scan# 2264

Delta R.T. -0.029 min

Lab File: BF141367.D

Acq: 03 Feb 2025 14:08

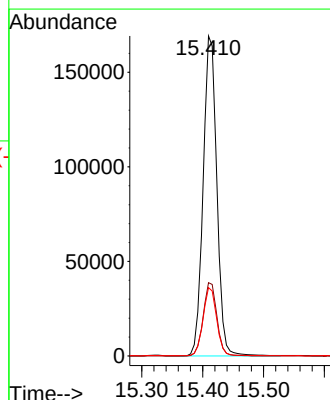
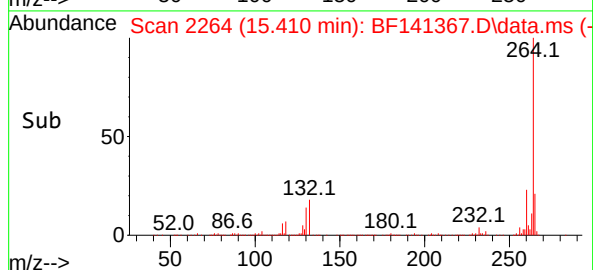
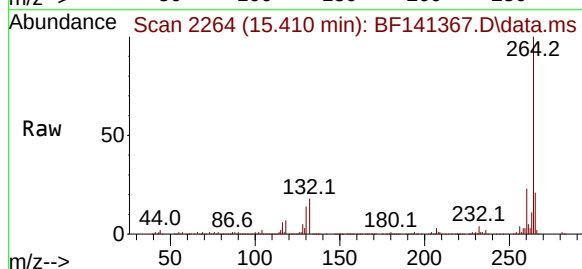
Tgt Ion:264 Resp: 264824

Ion Ratio Lower Upper

264 100

260 22.9 18.6 27.8

265 21.4 16.7 25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
 Data File : BF141367.D
 Acq On : 03 Feb 2025 14:08
 Operator : RC/JU
 Sample : Q1194-08
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EB

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-BF012925.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141367.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.416	560	565	584	rBV	907502	1224485	30.42%	6.445%
2	6.434	733	738	755	rVB	575640	833454	20.71%	4.387%
3	6.793	794	799	804	rBV	505998	620831	15.42%	3.268%
4	7.357	887	895	900	rBV	1120561	1525801	37.91%	8.031%
5	8.075	1011	1017	1022	rBV	672293	833251	20.70%	4.386%
6	8.298	1050	1055	1056	rBV	61582	74116	1.84%	0.390%
7	8.322	1056	1059	1071	rVB	86665	134149	3.33%	0.706%
8	9.151	1194	1200	1205	rBV	2250337	2838447	70.52%	14.939%
9	9.828	1310	1315	1325	rBV	773827	971382	24.13%	5.113%
10	10.545	1430	1437	1444	rBV	77179	99544	2.47%	0.524%
11	10.622	1444	1450	1460	rBV	1406673	1842046	45.77%	9.695%
12	11.316	1563	1568	1573	rBV	817329	1016972	25.27%	5.353%
13	11.851	1644	1659	1681	rBV2	370692	748088	18.59%	3.937%
14	12.557	1773	1779	1786	rBV	37970	83569	2.08%	0.440%
15	12.633	1786	1792	1805	rVV	162923	311405	7.74%	1.639%
16	12.904	1832	1838	1844	rBV	2903652	4024968	100.00%	21.184%
17	13.827	1988	1995	2011	rBV2	40295	173686	4.32%	0.914%
18	13.957	2011	2017	2029	rVB	695648	910318	22.62%	4.791%
19	15.410	2258	2264	2276	rBV	460069	733334	18.22%	3.860%

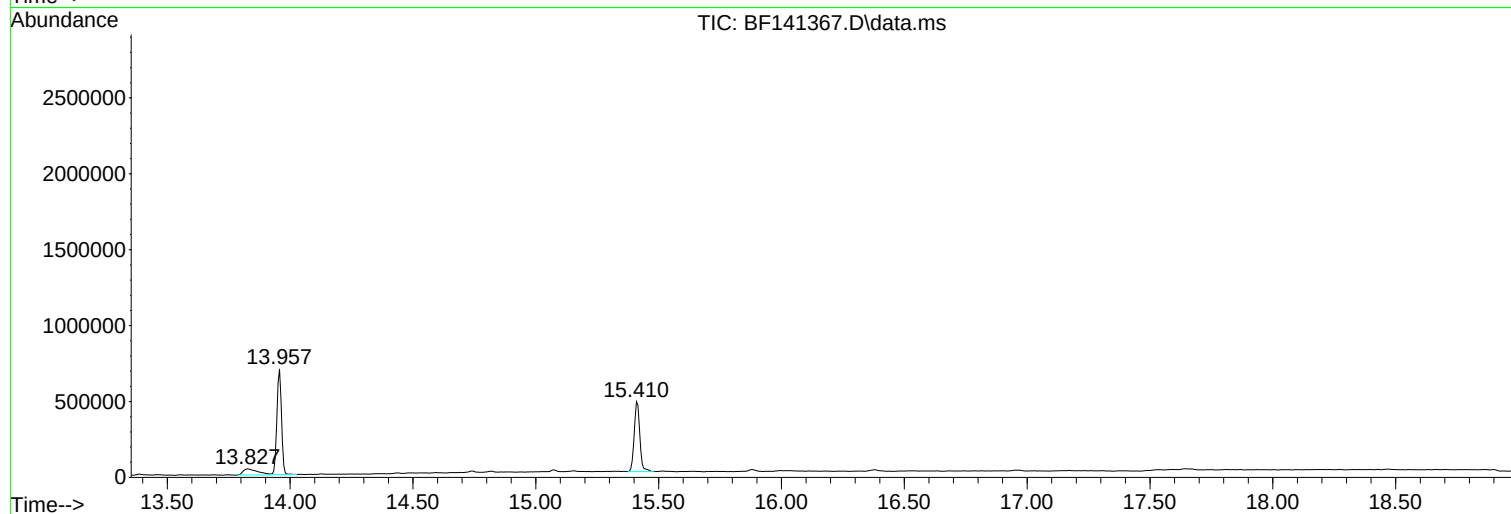
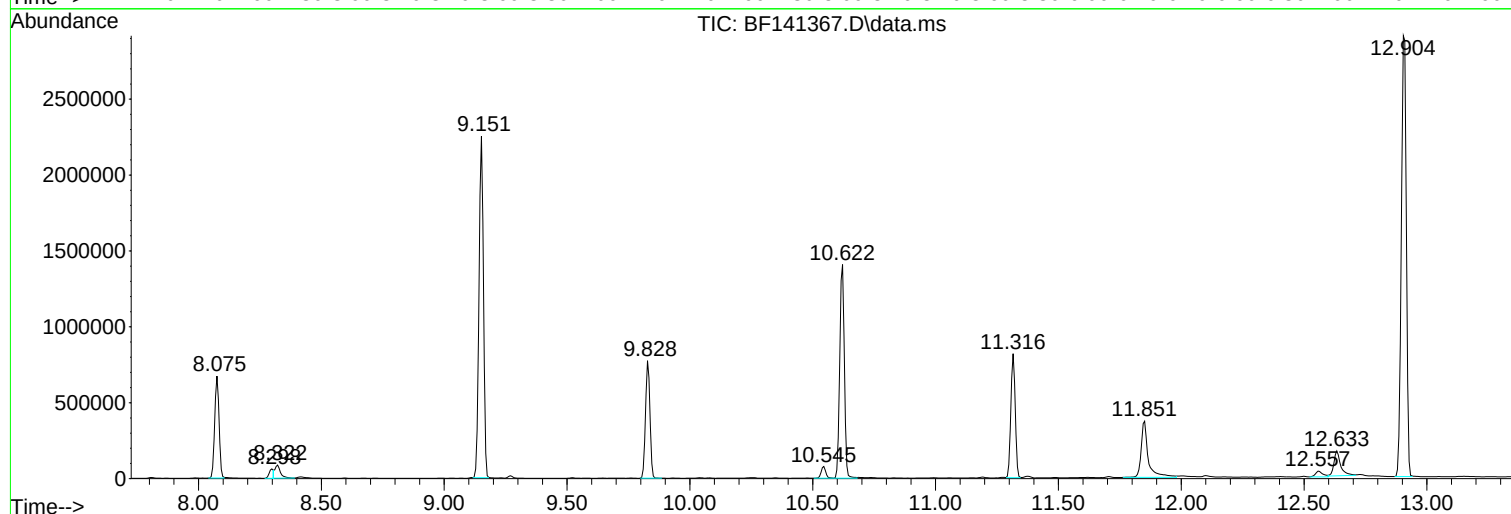
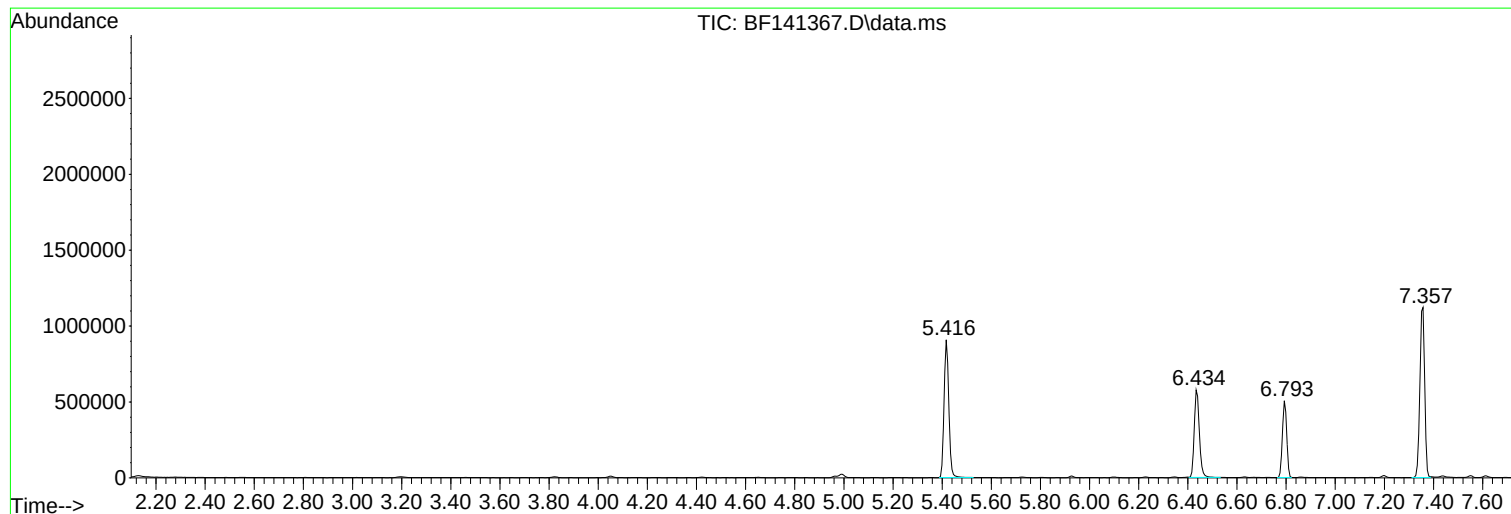
Sum of corrected areas: 18999846

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141367.D
Acq On : 03 Feb 2025 14:08
Operator : RC/JU
Sample : Q1194-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EB

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.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\BF020325\
Data File : BF141367.D
Acq On : 03 Feb 2025 14:08
Operator : RC/JU
Sample : Q1194-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EB

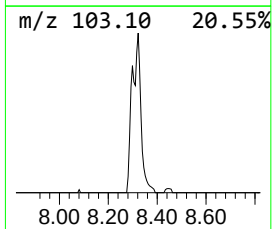
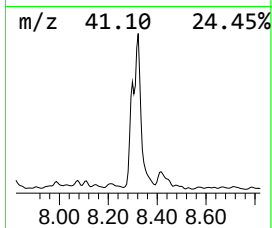
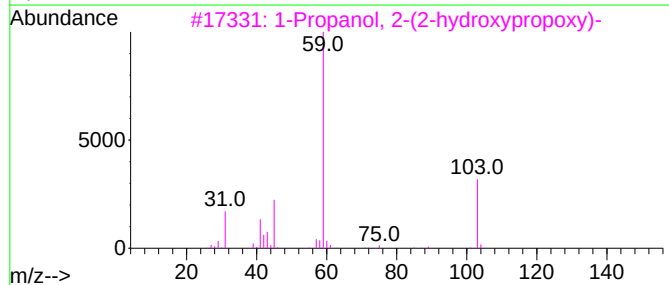
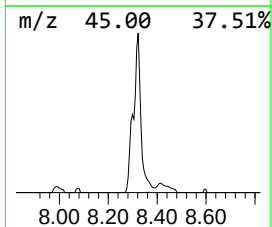
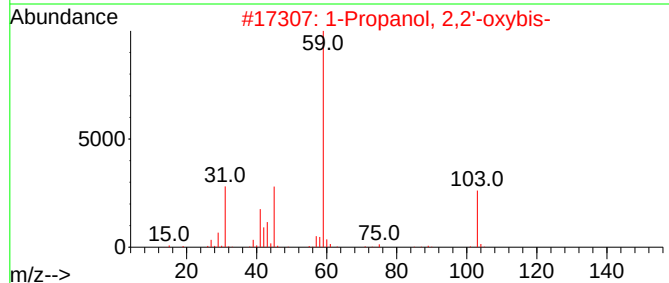
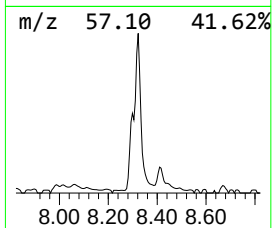
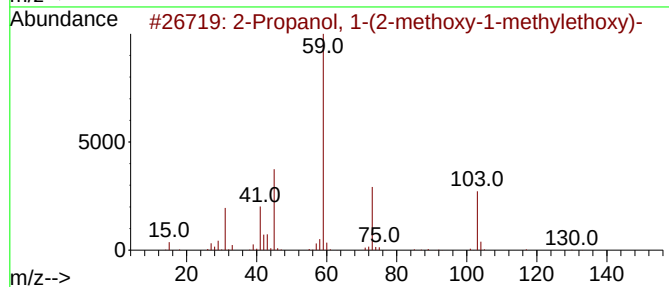
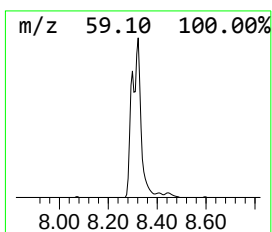
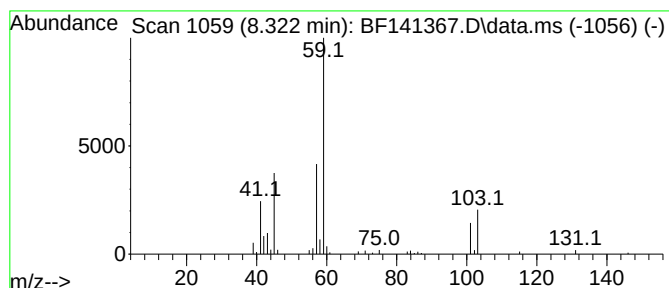
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Propanol, 1-(2-methoxy-1-... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.322	3.22 ng	134149	Naphthalene-d8	8.075

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-(2-methoxy-1-methy...	148	C7H16O3	020324-32-7	64	
2	1-Propanol, 2,2'-oxybis-	134	C6H14O3	000108-61-2	50	
3	1-Propanol, 2-(2-hydroxypropoxy)-	134	C6H14O3	000106-62-7	50	
4	Butanamide, 3,3-dimethyl-	115	C6H13NO	000926-04-5	47	
5	Dipropylene glycol (isomer 2)	134	C6H14O3	1000506-25-4	45	



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141367.D
Acq On : 03 Feb 2025 14:08
Operator : RC/JU
Sample : Q1194-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EB

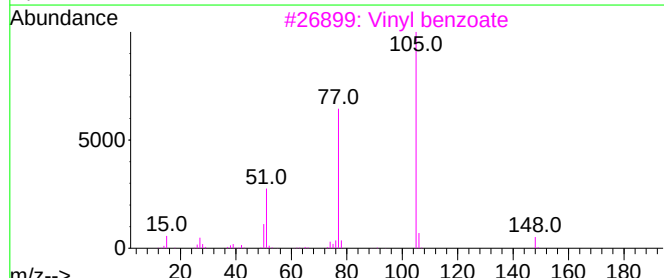
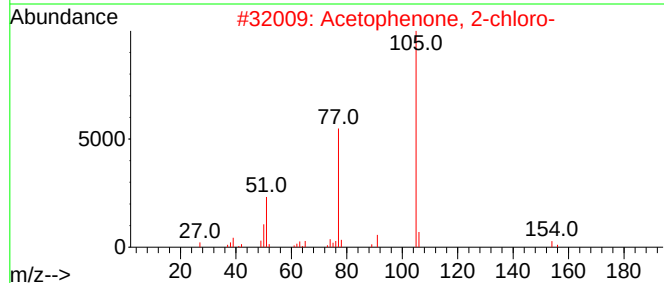
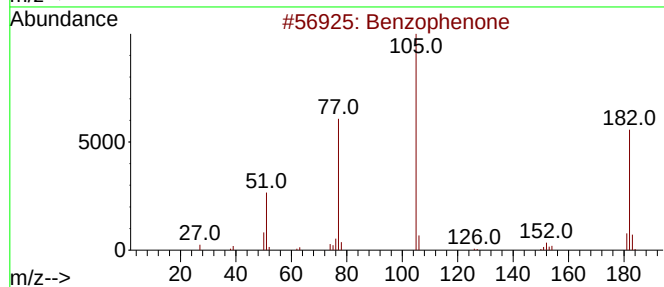
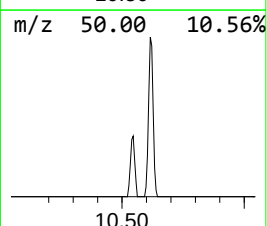
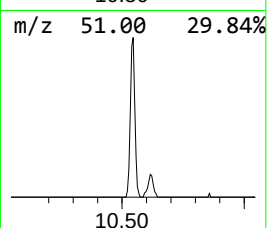
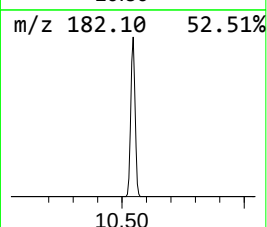
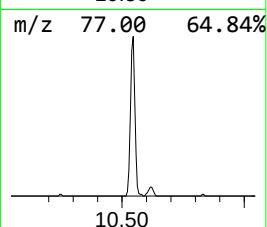
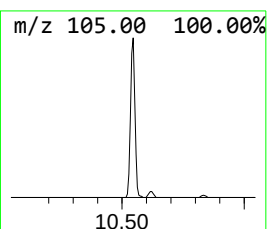
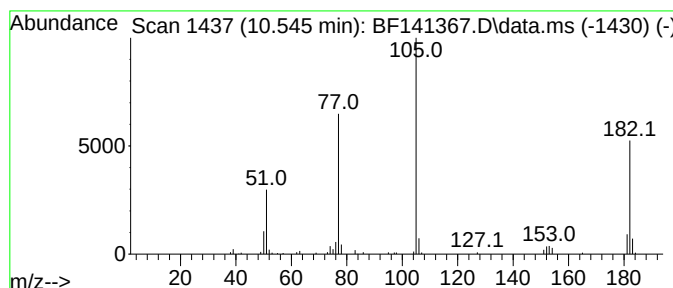
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Benzophenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.545	2.05 ng	99544	Acenaphthene-d10	9.828

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	46
3			Vinyl benzoate	148	C9H8O2	000769-78-8	43
4			5-Oxo-5-phenylpentanenitrile	173	C11H11NO	1000486-83-7	43
5			N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141367.D
Acq On : 03 Feb 2025 14:08
Operator : RC/JU
Sample : Q1194-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EB

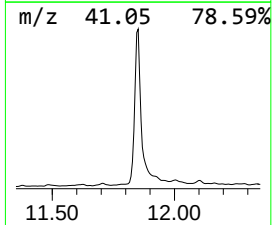
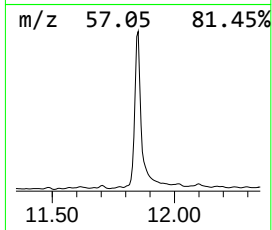
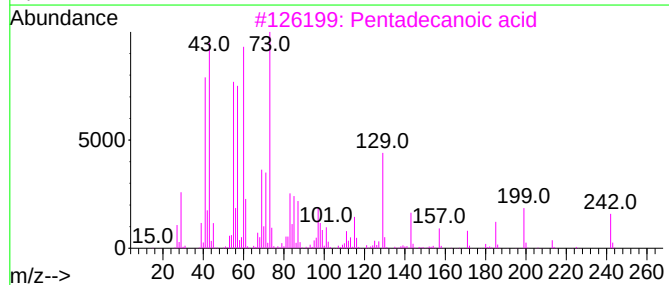
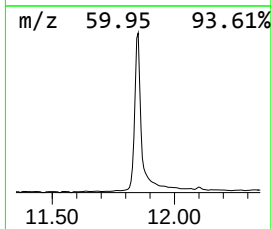
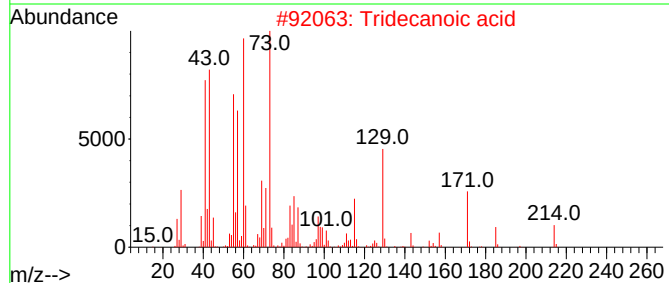
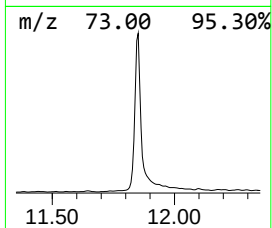
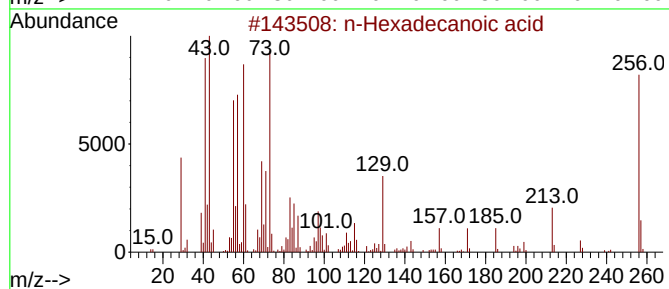
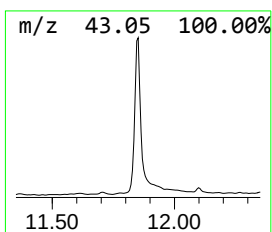
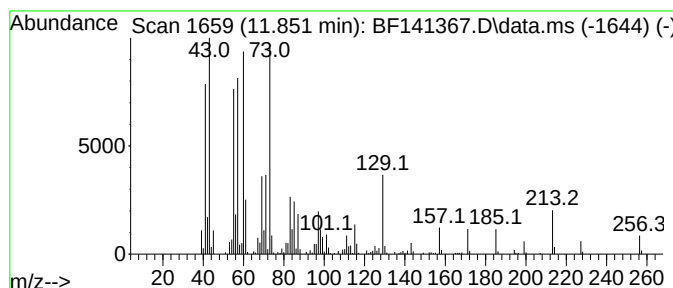
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.851	14.71 ng	748088	Phenanthrene-d10	11.316

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2			Tridecanoic acid	214	C13H26O2	000638-53-9	89
3			Pentadecanoic acid	242	C15H30O2	001002-84-2	87
4			Tetradecanoic acid	228	C14H28O2	000544-63-8	68
5			n-Decanoic acid	172	C10H20O2	000334-48-5	55



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141367.D
Acq On : 03 Feb 2025 14:08
Operator : RC/JU
Sample : Q1194-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

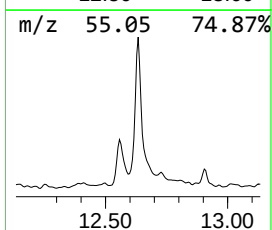
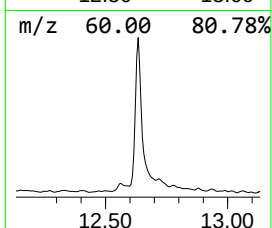
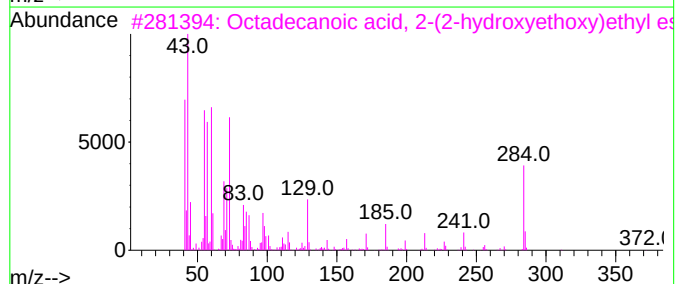
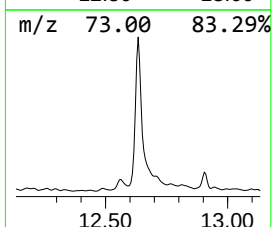
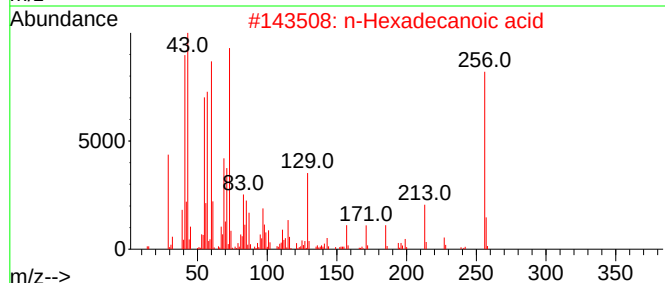
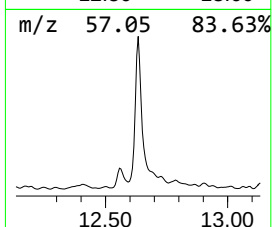
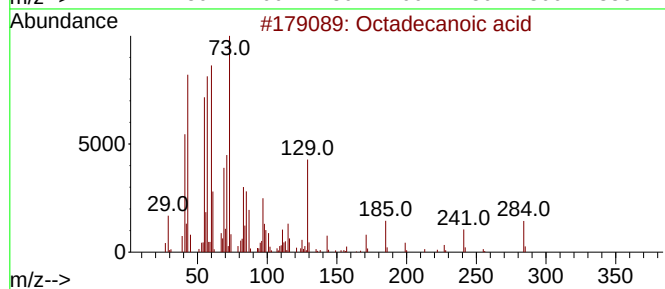
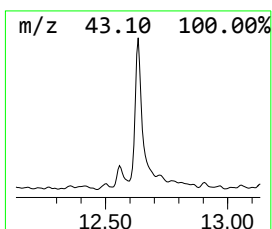
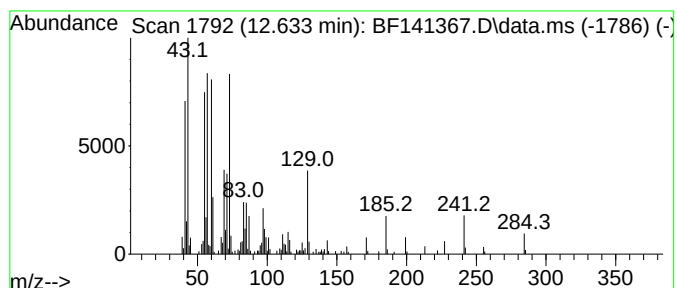
Instrument :
BNA_F
ClientSampleId :
EB

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Octadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.633	6.12 ng	311405	Phenanthrene-d10	11.316	
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	89
3	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	86
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	74
5	n-Decanoic acid	172	C10H20O2	000334-48-5	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141367.D
Acq On : 03 Feb 2025 14:08
Operator : RC/JU
Sample : Q1194-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EB

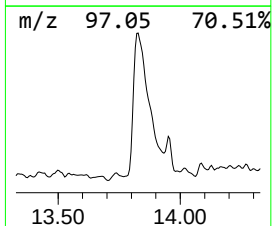
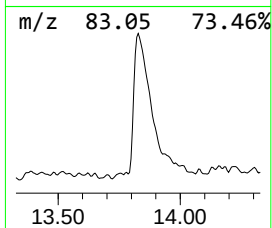
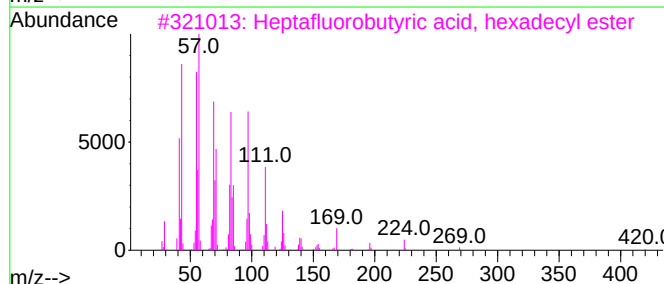
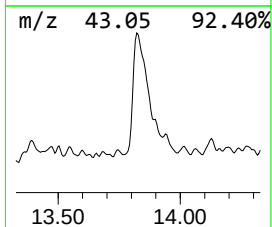
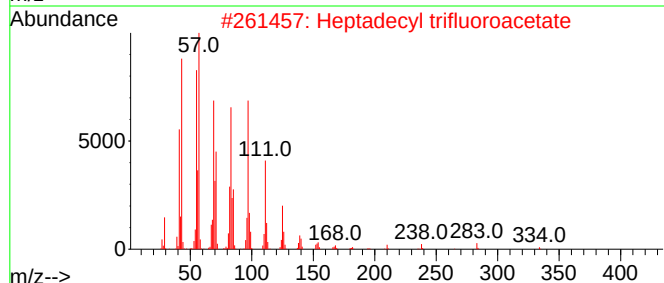
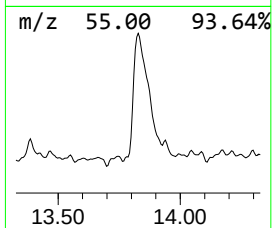
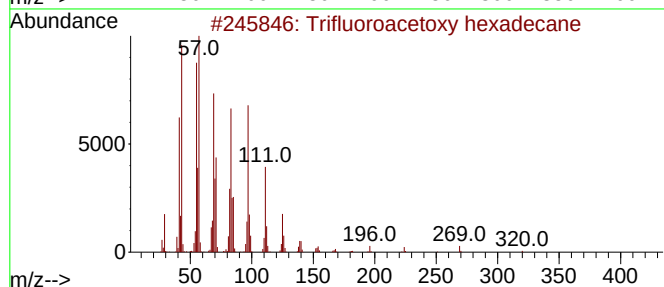
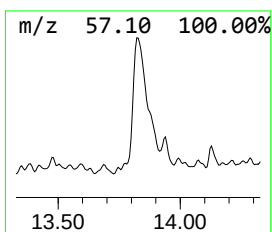
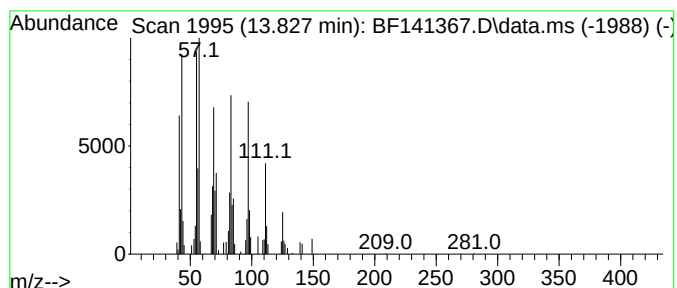
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Trifluoroacetoxy hexadecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.827	3.82 ng	173686	Chrysene-d12	13.957

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	95
2			Heptadecyl trifluoroacetate	352	C19H35F3O2	1010351-87-0	94
3			Heptafluorobutyric acid, hexadec...	438	C20H33F7O2	006385-15-5	94
4			Octadecyl trifluoroacetate	366	C20H37F3O2	079392-43-1	91
5			Pentafluoropropionic acid, hepta...	402	C20H35F5O2	959218-78-1	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141367.D
Acq On : 03 Feb 2025 14:08
Operator : RC/JU
Sample : Q1194-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EB

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Propanol, 1-(...	8.322	3.2	ng	134149	2	8.075	833251	20.0
Benzophenone	10.545	2.0	ng	99544	3	9.828	971382	20.0
n-Hexadecanoic ...	11.851	14.7	ng	748088	4	11.316	1016970	20.0
Octadecanoic acid	12.633	6.1	ng	311405	4	11.316	1016970	20.0
Trifluoroacetox...	13.827	3.8	ng	173686	5	13.957	910318	20.0



CALIBRATION SUMMARY

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PORT06
 Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG No.: Q1194
 Instrument ID: BNA_F Calibration Date(s): 01/29/2025 01/29/2025
 Calibration Time(s): 10:30 17:05

LAB FILE ID:		RRF2.5 = BF141290.D			RRF005 = BF141291.D		RRF010 = BF141292.D	
		RRF020 = BF141293.D			RRF040 = BF141294.D		RRF050 = BF141295.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorophenol		1.428	1.391	1.402	1.201	1.267	1.303	8.0
Benzaldehyde		1.166	1.130	1.104	0.895	0.861	0.960	17.8
Phenol-d6		1.841	1.800	1.743	1.520	1.611	1.657	8.5
Phenol		1.938	1.879	1.884	1.643	1.696	1.757	8.2
bis(2-Chloroethyl) ether		1.478	1.413	1.426	1.232	1.299	1.347	6.9
2-Chlorophenol		1.535	1.510	1.487	1.297	1.353	1.396	8.2
2-Methylphenol		1.237	1.175	1.210	1.042	1.107	1.135	6.6
2,2-oxybis(1-Chloropropane)		2.533	2.484	2.495	2.189	2.296	2.342	7.0
Acetophenone		0.547	0.523	0.517	0.436	0.449	0.475	11.1
3+4-Methylphenols		1.561	1.564	1.502	1.287	1.331	1.393	10.6
n-Nitroso-di-n-propylamine	1.084	1.052	1.060	1.032	0.895	0.936	0.985	8.3
Nitrobenzene-d5		0.405	0.396	0.406	0.354	0.373	0.379	6.1
Hexachloroethane		0.609	0.612	0.610	0.530	0.560	0.571	7.1
Nitrobenzene		0.418	0.411	0.420	0.371	0.385	0.393	6.1
Isophorone		0.698	0.685	0.694	0.611	0.640	0.656	5.6
2-Nitrophenol		0.176	0.187	0.199	0.177	0.189	0.185	4.7
2,4-Dimethylphenol		0.244	0.239	0.249	0.224	0.235	0.236	4.1
bis(2-Chloroethoxy) methane		0.454	0.440	0.445	0.389	0.405	0.418	6.7
2,4-Dichlorophenol		0.307	0.300	0.312	0.271	0.284	0.289	6.4
Naphthalene		1.193	1.145	1.140	0.976	1.020	1.057	9.7
4-Chloroaniline		0.382	0.378	0.391	0.338	0.351	0.358	7.4
Hexachlorobutadiene		0.209	0.207	0.209	0.179	0.190	0.194	7.5
Caprolactam		0.097	0.095	0.102	0.089	0.094	0.094	4.9
4-Chloro-3-methylphenol		0.328	0.328	0.334	0.287	0.301	0.310	6.7
2-Methylnaphthalene		0.755	0.732	0.724	0.624	0.643	0.672	9.7
Hexachlorocyclopentadiene		0.136	0.157	0.174	0.172	0.182	0.168	9.7
2,4,6-Trichlorophenol		0.381	0.380	0.390	0.364	0.375	0.372	3.8
2-Fluorobiphenyl		1.597	1.464	1.398	1.184	1.202	1.299	14.5
2,4,5-Trichlorophenol		0.429	0.425	0.429	0.377	0.391	0.405	5.5
1,1-Biphenyl		1.810	1.692	1.650	1.454	1.492	1.560	10.3
2-Chloronaphthalene		1.396	1.310	1.290	1.122	1.159	1.216	9.6
2-Nitroaniline		0.386	0.389	0.407	0.364	0.382	0.382	3.9
Dimethylphthalate		1.498	1.456	1.445	1.239	1.299	1.351	8.3
Acenaphthylene		1.921	1.854	1.815	1.595	1.620	1.702	9.4

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.: Q1194 SAS No.: Q1194 SDG No.: Q1194
 Instrument ID: BNA_F Calibration Date(s): 01/29/2025 01/29/2025
 Calibration Time(s): 10:30 17:05

LAB FILE ID:		RRF2.5 = BF141290.D			RRF005 = BF141291.D		RRF010 = BF141292.D	
		RRF020 = BF141293.D			RRF040 = BF141294.D		RRF050 = BF141295.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2,6-Dinitrotoluene		0.333	0.331	0.333	0.296	0.304	0.314	5.9
3-Nitroaniline		0.321	0.330	0.341	0.303	0.293	0.307	8.4
Acenaphthene		1.361	1.300	1.291	1.128	1.170	1.216	8.5
2,4-Dinitrophenol			0.102	0.136	0.147	0.156	0.146	16.8
4-Nitrophenol		0.187	0.215	0.251	0.224	0.231	0.225	9.2
Dibenzofuran		1.869	1.788	1.755	1.518	1.525	1.627	10.7
2,4-Dinitrotoluene		0.424	0.431	0.443	0.386	0.392	0.406	7.0
Diethylphthalate		1.470	1.417	1.412	1.225	1.238	1.310	9.3
4-Chlorophenyl-phenylether		0.738	0.694	0.659	0.567	0.565	0.617	13.0
Fluorene		1.512	1.410	1.353	1.167	1.164	1.262	13.0
4-Nitroaniline		0.297	0.312	0.330	0.290	0.294	0.302	5.4
4,6-Dinitro-2-methylphenol		0.080	0.105	0.122	0.125	0.131	0.118	16.3
n-Nitrosodiphenylamine		0.716	0.684	0.674	0.626	0.622	0.647	6.9
2,4,6-Tribromophenol		0.198	0.198	0.198	0.173	0.175	0.183	8.0
4-Bromophenyl-phenylether		0.235	0.234	0.234	0.217	0.218	0.224	4.6
Hexachlorobenzene		0.257	0.250	0.248	0.229	0.229	0.238	6.1
Atrazine		0.211	0.202	0.213	0.213	0.215	0.216	4.9
Pentachlorophenol		0.112	0.136	0.146	0.143	0.146	0.139	9.1
Phenanthrene		1.233	1.170	1.142	1.025	1.008	1.075	10.0
Anthracene		1.179	1.146	1.120	1.009	0.999	1.053	9.0
Carbazole		1.019	1.014	1.021	0.899	0.878	0.934	9.0
Di-n-butylphthalate		1.244	1.239	1.245	1.086	1.051	1.132	9.7
Fluoranthene		1.195	1.202	1.196	1.013	0.963	1.062	12.6
Pyrene		2.178	2.063	2.002	1.754	1.870	1.920	9.1
Terphenyl-d14		1.543	1.411	1.370	1.183	1.238	1.297	11.7
Butylbenzylphthalate		0.686	0.690	0.739	0.626	0.657	0.671	6.5
3,3-Dichlorobenzidine		0.412	0.422	0.427	0.418	0.478	0.439	5.8
Benzo (a) anthracene		1.532	1.410	1.453	1.270	1.375	1.380	7.0
Chrysene		1.332	1.325	1.342	1.136	1.267	1.265	6.0
Bis (2-ethylhexyl) phthalate		0.882	0.903	0.956	0.785	0.831	0.851	7.9
Di-n-octyl phthalate		1.194	1.267	1.438	1.230	1.365	1.321	7.0
Benzo (b) fluoranthene		1.358	1.382	1.328	1.120	1.265	1.258	8.3
Benzo (k) fluoranthene		1.167	1.114	1.274	1.083	1.049	1.114	7.3
Benzo (a) pyrene		1.118	1.059	1.131	1.011	1.061	1.063	4.4
Indeno (1,2,3-cd) pyrene		1.217	1.268	1.337	1.257	1.348	1.291	3.7

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.: Q1194 SAS No.: Q1194 SDG No.: Q1194
 Instrument ID: BNA_F Calibration Date(s): 01/29/2025 01/29/2025
 Calibration Time(s): 10:30 17:05

LAB FILE ID:		RRF2.5 = BF141290.D			RRF005 = BF141291.D		RRF010 = BF141292.D	
		RRF020 = BF141293.D			RRF040 = BF141294.D		RRF050 = BF141295.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Dibenzo (a,h) anthracene		0.966	1.001	1.101	1.016	1.087	1.039	4.7
Benzo (g,h,i) perylene		1.011	1.075	1.139	1.043	1.123	1.080	4.2
1,2,4,5-Tetrachlorobenzene		0.615	0.613	0.603	0.534	0.555	0.569	7.3
1,4-Dioxane		0.600	0.603	0.597	0.538	0.574	0.573	5.2
2,3,4,6-Tetrachlorophenol		0.325	0.343	0.341	0.304	0.305	0.319	6.1

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-BF012925.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Jan 29 17:41:25 2025
 Response Via : Initial Calibration

Calibration Files

2.5 =BF141290.D 5 =BF141291.D 10 =BF141292.D 20 =BF141293.D 40 =BF141294.D 50 =BF141295.D 60 =BF141296.D 80 =BF141297.D

	Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.600	0.603	0.597	0.538	0.574	0.569	0.530	0.573	5.19	
3)	Pyridine	1.364	1.410	1.450	1.320	1.394	1.404	1.322	1.380	3.46	
4)	n-Nitrosodimet...	0.770	0.789	0.824	0.751	0.803	0.813	0.771	0.789	3.32	
5) S	2-Fluorophenol	1.428	1.391	1.402	1.201	1.267	1.268	1.163	1.303	8.03	
6)	Aniline	1.480	1.511	1.542	1.359	1.404	1.350	1.174	1.403	8.93	
7) S	Phenol-d6	1.841	1.800	1.743	1.520	1.611	1.611	1.475	1.657	8.47	
8)	2-Chlorophenol	1.535	1.510	1.487	1.297	1.353	1.355	1.237	1.396	8.24	
9)	Benzaldehyde	1.166	1.130	1.104	0.895	0.861	0.837	0.727	0.960	17.81	
10) C	Phenol	1.938	1.879	1.884	1.643	1.696	1.704	1.554	1.757	8.22	
11)	bis(2-Chloroet...	1.478	1.413	1.426	1.232	1.299	1.329	1.253	1.347	6.93	
12)	1,3-Dichlorobe...	1.697	1.668	1.648	1.429	1.499	1.474	1.362	1.540	8.49	
13) C	1,4-Dichlorobe...	1.719	1.663	1.659	1.432	1.502	1.487	1.365	1.547	8.66	
14)	1,2-Dichlorobe...	1.629	1.609	1.565	1.338	1.392	1.366	1.240	1.448	10.46	
15)	Benzyl Alcohol	1.138	1.201	1.216	1.082	1.137	1.125	1.028	1.133	5.72	
16)	2,2'-oxybis(1-...	2.533	2.484	2.495	2.189	2.296	2.287	2.112	2.342	7.01	
17)	2-Methylphenol	1.237	1.175	1.210	1.042	1.107	1.120	1.053	1.135	6.62	
18)	Hexachloroethane	0.609	0.612	0.610	0.530	0.560	0.561	0.513	0.571	7.09	
19) P	n-Nitroso-di-n...	1.084	1.052	1.060	1.032	0.895	0.936	0.945	0.874	0.985	8.27
20)	3+4-Methylphenols	1.561	1.564	1.502	1.287	1.331	1.323	1.186	1.393	10.65	
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.547	0.523	0.517	0.436	0.449	0.443	0.412	0.475	11.06	
23) S	Nitrobenzene-d5	0.405	0.396	0.406	0.354	0.373	0.373	0.349	0.379	6.14	
24)	Nitrobenzene	0.418	0.411	0.420	0.371	0.385	0.389	0.358	0.393	6.14	
25)	Isophorone	0.698	0.685	0.694	0.611	0.640	0.648	0.615	0.656	5.62	
26) C	2-Nitrophenol	0.176	0.187	0.199	0.177	0.189	0.191	0.179	0.185	4.66	
27)	2,4-Dimethylph...	0.244	0.239	0.249	0.224	0.235	0.238	0.223	0.236	4.12	
28)	bis(2-Chloroet...	0.454	0.440	0.445	0.389	0.405	0.411	0.384	0.418	6.70	
29) C	2,4-Dichloroph...	0.307	0.300	0.312	0.271	0.284	0.286	0.262	0.289	6.39	
30)	1,2,4-Trichlor...	0.372	0.354	0.354	0.304	0.318	0.316	0.292	0.330	9.11	
31)	Naphthalene	1.193	1.145	1.140	0.976	1.020	1.002	0.919	1.057	9.72	
32)	Benzoic acid	0.140	0.178	0.238	0.221	0.241	0.259	0.242	0.217	19.59	
33)	4-Chloroaniline	0.382	0.378	0.391	0.338	0.351	0.349	0.318	0.358	7.38	
34) C	Hexachlorobuta...	0.209	0.207	0.209	0.179	0.190	0.187	0.174	0.194	7.52	
35)	Caprolactam	0.097	0.095	0.102	0.089	0.094	0.096	0.089	0.094	4.89	
36) C	4-Chloro-3-met...	0.328	0.328	0.334	0.287	0.301	0.307	0.283	0.310	6.71	
37)	2-Methylnaphth...	0.755	0.732	0.724	0.624	0.643	0.639	0.583	0.672	9.68	
38)	1-Methylnaphth...	0.757	0.723	0.711	0.606	0.625	0.623	0.573	0.660	10.56	

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF012925.M

39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.615	0.613	0.603	0.534	0.555	0.551	0.512	0.569	7.25	
41) P	Hexachlorocycl...	0.136	0.157	0.174	0.172	0.182	0.181	0.174	0.168	9.69	
42) S	2,4,6-Tribromo...	0.198	0.198	0.198	0.173	0.175	0.179	0.163	0.183	7.98	
43) C	2,4,6-Trichlor...	0.381	0.380	0.390	0.364	0.375	0.369	0.347	0.372	3.79	
44)	2,4,5-Trichlor...	0.429	0.425	0.429	0.377	0.391	0.403	0.383	0.405	5.50	
45) S	2-Fluorobiphenyl	1.597	1.464	1.398	1.184	1.202	1.168	1.083	1.299	14.48	
46)	1,1'-Biphenyl	1.810	1.692	1.650	1.454	1.492	1.460	1.360	1.560	10.27	
47)	2-Chloronaphth...	1.396	1.310	1.290	1.122	1.159	1.156	1.077	1.216	9.59	
48)	2-Nitroaniline	0.386	0.389	0.407	0.364	0.382	0.385	0.364	0.382	3.91	
49)	Acenaphthylene	1.921	1.854	1.815	1.595	1.620	1.612	1.495	1.702	9.38	
50)	Dimethylphthalate	1.498	1.456	1.445	1.239	1.299	1.296	1.223	1.351	8.34	
51)	2,6-Dinitrotol...	0.333	0.331	0.333	0.296	0.304	0.309	0.290	0.314	5.90	
52) C	Acenaphthene	1.361	1.300	1.291	1.128	1.170	1.180	1.079	1.216	8.46	
53)	3-Nitroaniline	0.321	0.330	0.341	0.303	0.293	0.298	0.264	0.307	8.44	
54) P	2,4-Dinitrophenol		0.102	0.136	0.147	0.156	0.169	0.164	0.146	16.81	
55)	Dibenzofuran	1.869	1.788	1.755	1.518	1.525	1.539	1.398	1.627	10.72	
56) P	4-Nitrophenol	0.187	0.215	0.251	0.224	0.231	0.244	0.222	0.225	9.21	
57)	2,4-Dinitrotol...	0.424	0.431	0.443	0.386	0.392	0.404	0.362	0.406	7.03	
58)	Fluorene	1.512	1.410	1.353	1.167	1.164	1.172	1.059	1.262	12.96	
59)	2,3,4,6-Tetrac...	0.325	0.343	0.341	0.304	0.305	0.324	0.291	0.319	6.11	
60)	Diethylphthalate	1.470	1.417	1.412	1.225	1.238	1.260	1.146	1.310	9.32	
61)	4-Chlorophenyl...	0.738	0.694	0.659	0.567	0.565	0.571	0.522	0.617	13.04	
62)	4-Nitroaniline	0.297	0.312	0.330	0.290	0.294	0.311	0.281	0.302	5.45	
63)	Azobenzene	1.464	1.411	1.390	1.224	1.249	1.276	1.162	1.311	8.51	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.080	0.105	0.122	0.125	0.131	0.134	0.131	0.118	16.29	
66) c	n-Nitrosodiphe...	0.716	0.684	0.674	0.626	0.622	0.614	0.593	0.647	6.89	
67)	4-Bromophenyl-...	0.235	0.234	0.234	0.217	0.218	0.220	0.210	0.224	4.57	
68)	Hexachlorobenzene	0.257	0.250	0.248	0.229	0.229	0.232	0.217	0.238	6.07	
69)	Atrazine	0.211	0.202	0.213	0.213	0.215	0.235	0.224	0.216	4.86	
70) C	Pentachlorophenol	0.112	0.136	0.146	0.143	0.146	0.149	0.141	0.139	9.08	
71)	Phenanthrene	1.233	1.170	1.142	1.025	1.008	1.010	0.937	1.075	9.96	
72)	Anthracene	1.179	1.146	1.120	1.009	0.999	0.996	0.924	1.053	9.00	
73)	Carbazole	1.019	1.014	1.021	0.899	0.878	0.900	0.807	0.934	9.04	
74)	Di-n-butylphth...	1.244	1.239	1.245	1.086	1.051	1.081	0.978	1.132	9.65	
75) C	Fluoranthene	1.195	1.202	1.196	1.013	0.963	0.982	0.880	1.062	12.57	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.882	0.480	0.210	0.730	0.906	0.724	0.556	0.641	38.34	
78)	Pyrene	2.178	2.063	2.002	1.754	1.870	1.898	1.674	1.920	9.14	
79) S	Terphenyl-d14	1.543	1.411	1.370	1.183	1.238	1.230	1.103	1.297	11.68	
80)	Butylbenzylpht...	0.686	0.690	0.739	0.626	0.657	0.688	0.610	0.671	6.49	
81)	Benzo(a)anthra...	1.532	1.410	1.453	1.270	1.375	1.355	1.265	1.380	6.96	
82)	3,3'-Dichlorob...	0.412	0.422	0.427	0.418	0.478	0.466	0.449	0.439	5.82	
83)	Chrysene	1.332	1.325	1.342	1.136	1.267	1.243	1.210	1.265	5.98	
84)	Bis(2-ethylhex...	0.882	0.903	0.956	0.785	0.831	0.834	0.764	0.851	7.93	
85) c	Di-n-octyl pht...	1.194	1.267	1.438	1.230	1.365	1.406	1.352	1.321	6.98	

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF012925.M

		-----ISTD-----								
86) I	Perylene-d12									
87)	Indeno(1,2,3-c...	1.217	1.268	1.337	1.257	1.348	1.322	1.287	1.291	3.67
88)	Benzo(b)fluora...	1.358	1.382	1.328	1.120	1.265	1.218	1.136	1.258	8.33
89)	Benzo(k)fluora...	1.167	1.114	1.274	1.083	1.049	1.060	1.054	1.114	7.32
90) C	Benzo(a)pyrene	1.118	1.059	1.131	1.011	1.061	1.051	1.010	1.063	4.44
91)	Dibenzo(a,h)an...	0.966	1.001	1.101	1.016	1.087	1.071	1.028	1.039	4.73
92)	Benzo(g,h,i)pe...	1.011	1.075	1.139	1.043	1.123	1.105	1.063	1.080	4.22

(#) = Out of Range

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
 Data File : BF141290.D
 Acq On : 29 Jan 2025 10:30
 Operator : RC/JU
 Sample : SSTDICC2.5
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC2.5

Quant Time: Jan 29 16:26:23 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 16:24:35 2025
 Response via : Initial Calibration

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

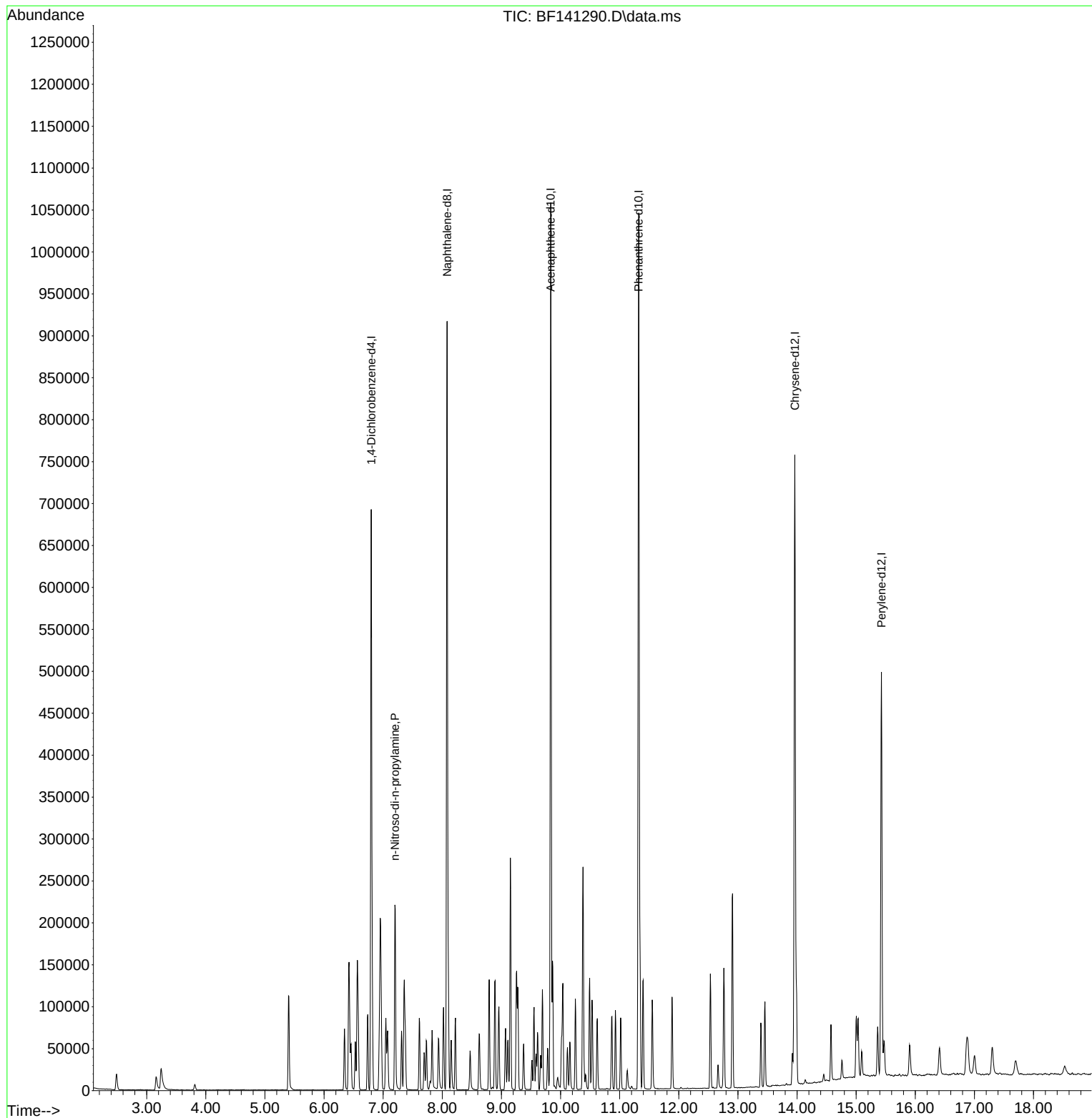
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	137039	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	552749	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	301993	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	536934	20.000	ng	0.00
76) Chrysene-d12	13.963	240	311885	20.000	ng	0.00
86) Perylene-d12	15.427	264	276754	20.000	ng	-0.01
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						
19) n-Nitroso-di-n-propyla...	7.198	70	18566	2.764	ng	Qvalue 99

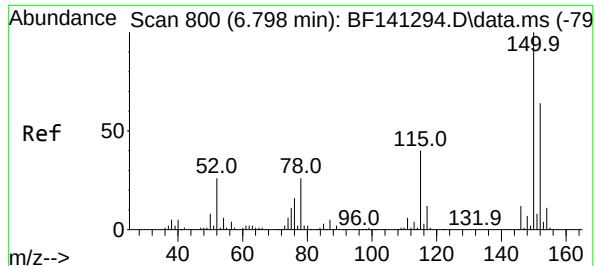
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141290.D
Acq On : 29 Jan 2025 10:30
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

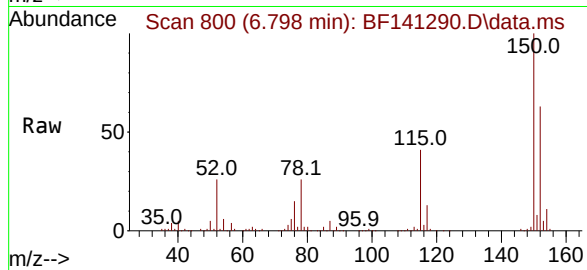
Quant Time: Jan 29 16:26:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 16:24:35 2025
Response via : Initial Calibration



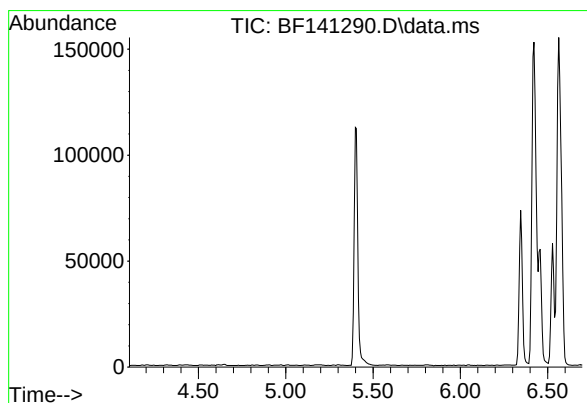
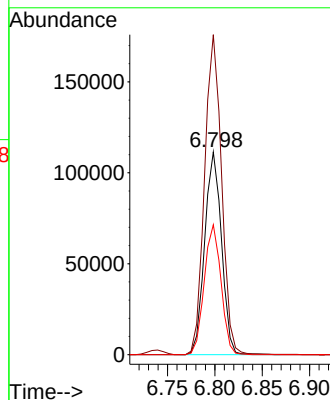
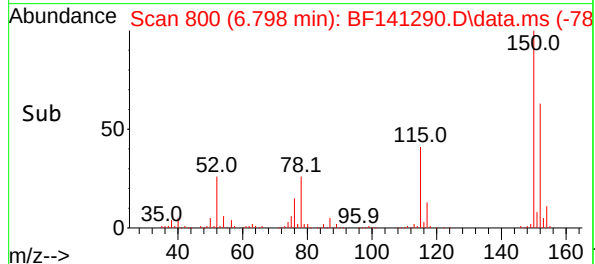


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF141290.D
Acq: 29 Jan 2025 10:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5



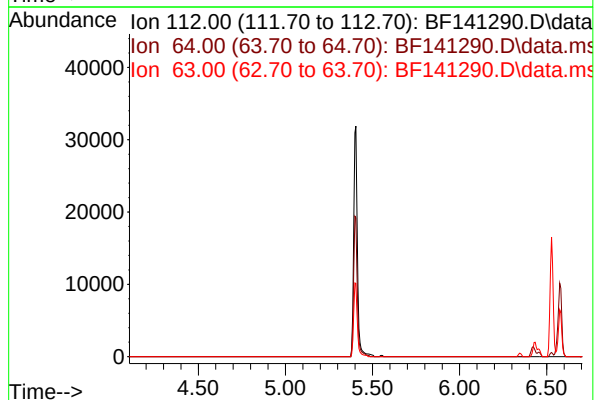
Tgt Ion:152 Resp: 137039
Ion Ratio Lower Upper
152 100
150 157.8 125.9 188.9
115 64.0 49.7 74.5

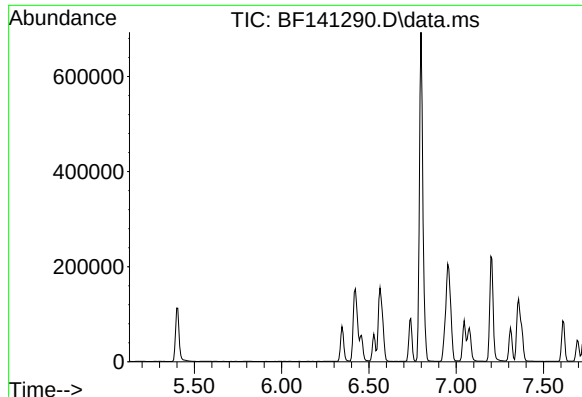


#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.40 min

Lab File: BF141290.D
Acq: 29 Jan 2025 10:30

Tgt Ion: 112
Sig Exp Ratio
112 100
64 62.3
63 32.6





#7

Phenol-d6

Concen: 0.000 ng

Expected RT: 6.43 min

Lab File: BF141290.D

Acq: 29 Jan 2025 10:30

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5

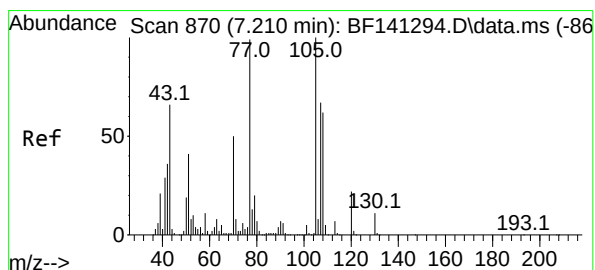
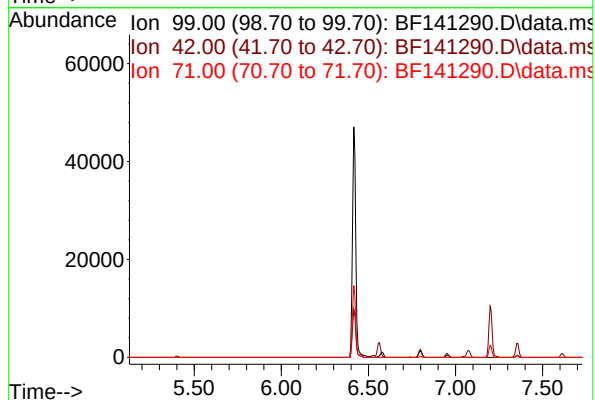
Tgt Ion: 99

Sig Exp Ratio

99 100

42 21.4

71 33.6



#19

n-Nitroso-di-n-propylamine

Concen: 2.764 ng

RT: 7.198 min Scan# 868

Delta R.T. -0.012 min

Lab File: BF141290.D

Acq: 29 Jan 2025 10:30

Tgt Ion: 70 Resp: 18566

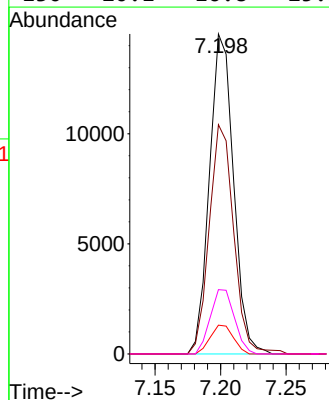
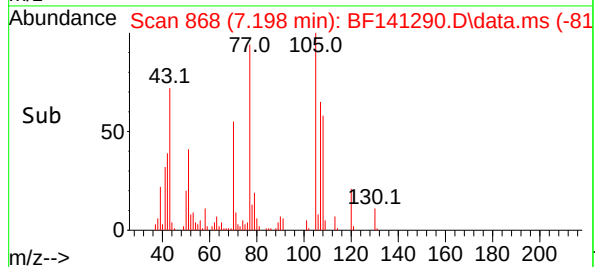
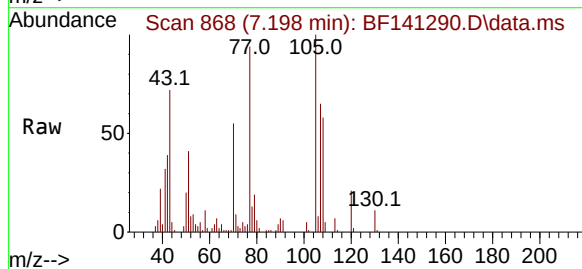
Ion Ratio Lower Upper

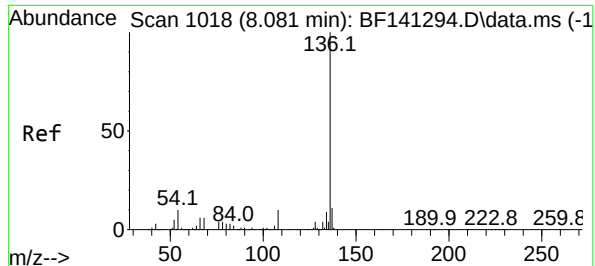
70 100

42 71.6 56.8 85.2

101 9.0 7.7 11.5

130 20.1 16.8 25.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.081 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF141290.D

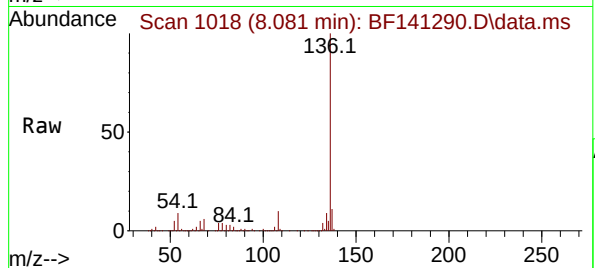
Acq: 29 Jan 2025 10:30

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5



Tgt Ion:136 Resp: 552749

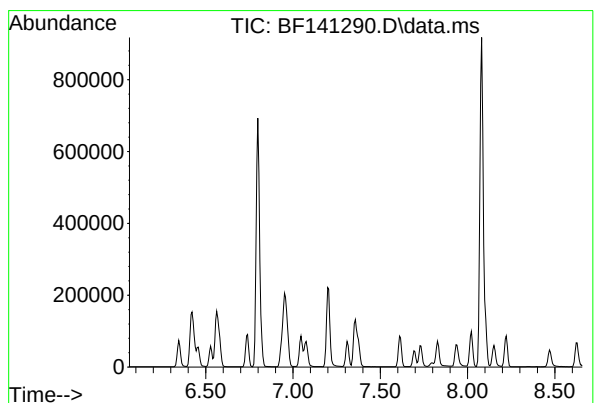
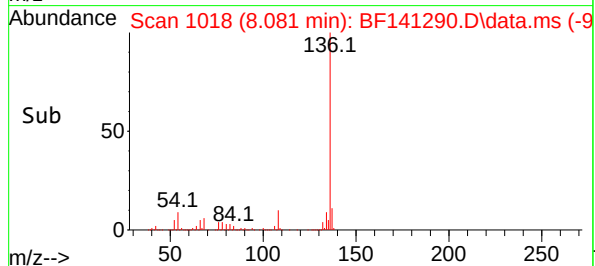
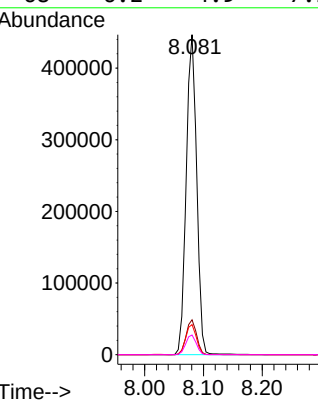
Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

54 9.4 7.8 11.8

68 6.2 4.9 7.3



#23

Nitrobenzene-d5

Concen: 0.000 ng

Expected RT: 7.36 min

Lab File: BF141290.D

Acq: 29 Jan 2025 10:30

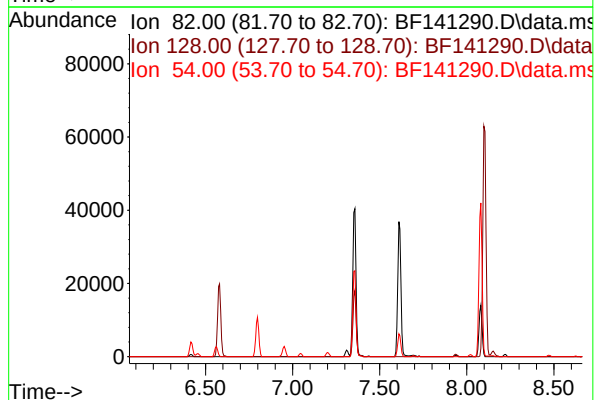
Tgt Ion: 82

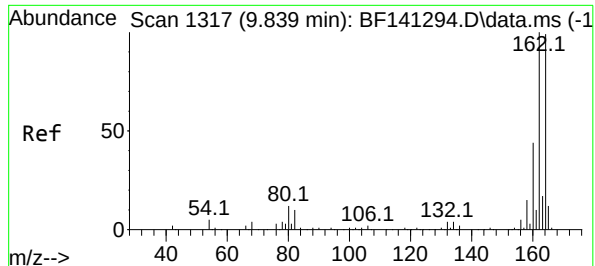
Sig Exp Ratio

82 100

128 44.6

54 58.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.833 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141290.D

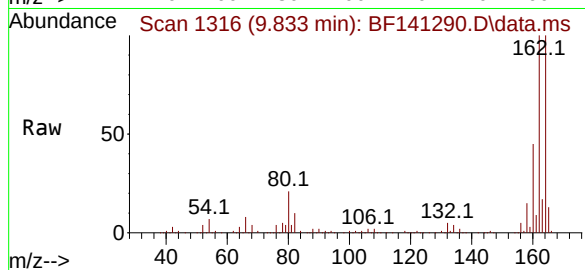
Acq: 29 Jan 2025 10:30

Instrument :

BNA_F

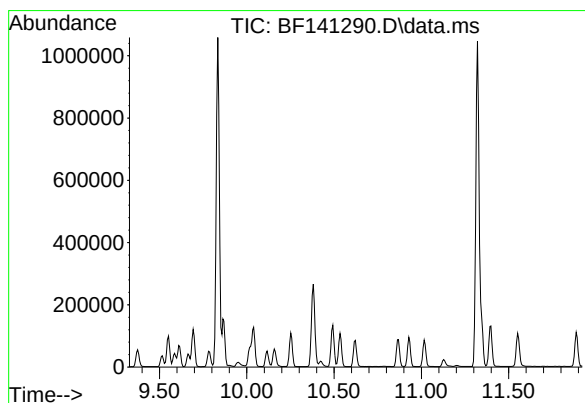
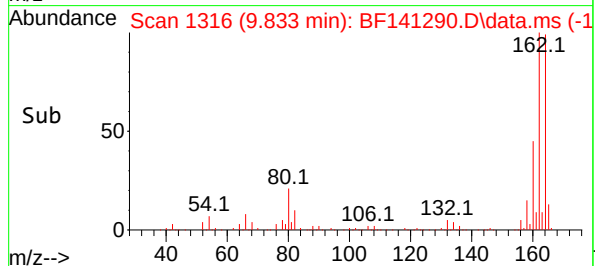
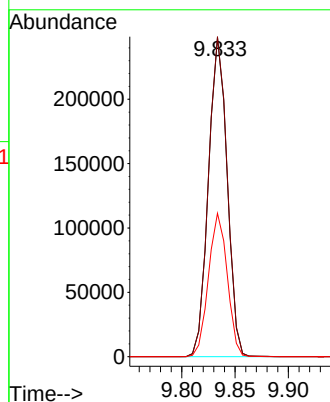
ClientSampleId :

SSTDICC2.5



Tgt Ion:164 Resp: 301993

Ion	Ratio	Lower	Upper
164	100		
162	100.3	80.6	121.0
160	44.9	35.8	53.6



#42

2,4,6-Tribromophenol

Concen: 0.000 ng

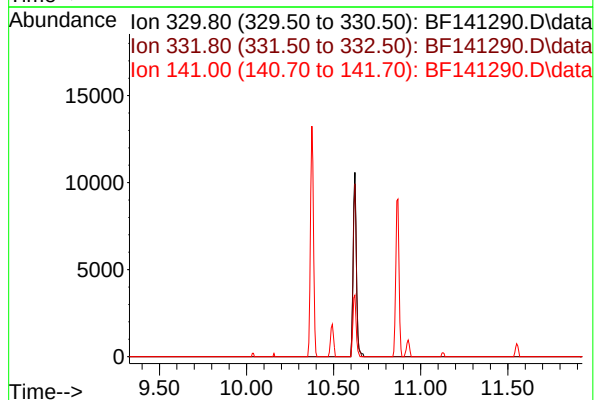
Expected RT: 10.63 min

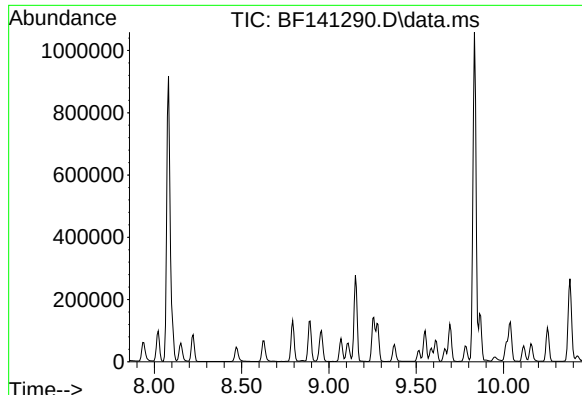
Lab File: BF141290.D

Acq: 29 Jan 2025 10:30

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	95.1
141	36.0





#45

2-Fluorobiphenyl

Concen: 0.000 ng

Expected RT: 9.16 min

Lab File: BF141290.D

Acq: 29 Jan 2025 10:30

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5

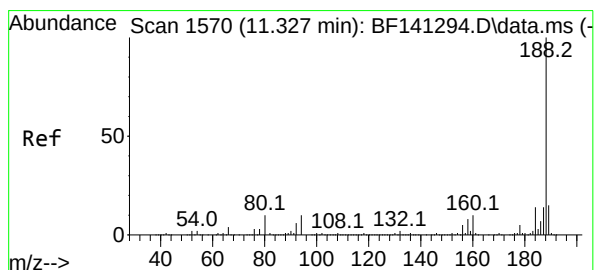
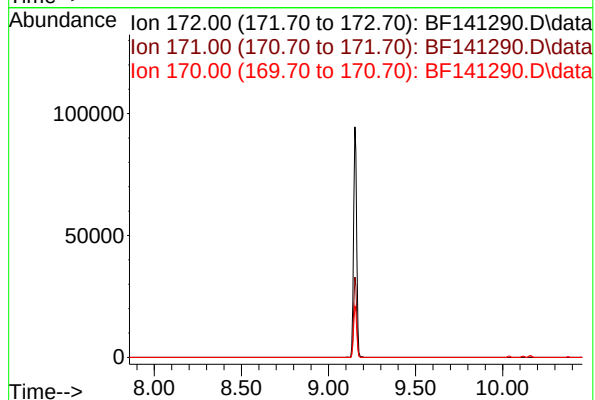
Tgt Ion: 172

Sig Exp Ratio

172 100

171 36.0

170 23.8



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.322 min Scan# 1569

Delta R.T. -0.006 min

Lab File: BF141290.D

Acq: 29 Jan 2025 10:30

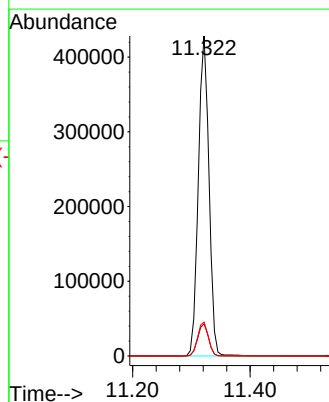
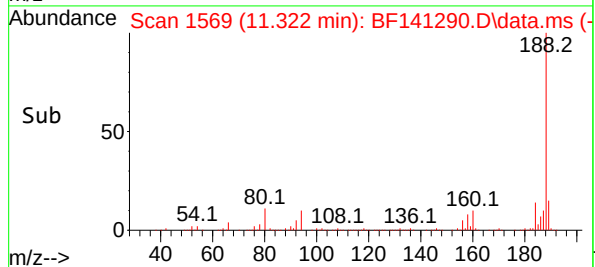
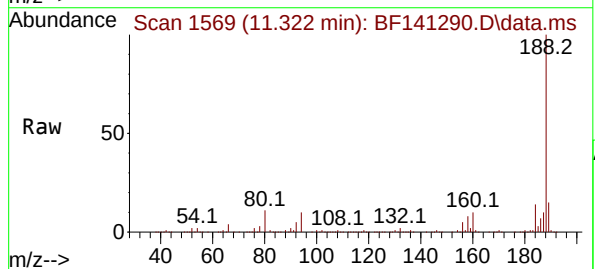
Tgt Ion:188 Resp: 536934

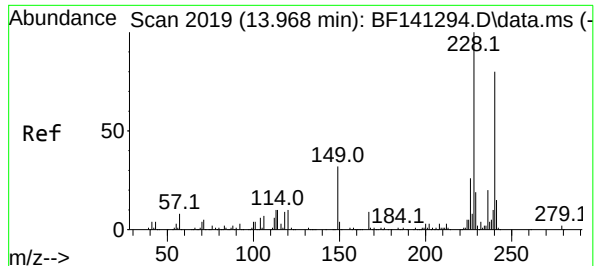
Ion Ratio Lower Upper

188 100

94 10.1 7.8 11.6

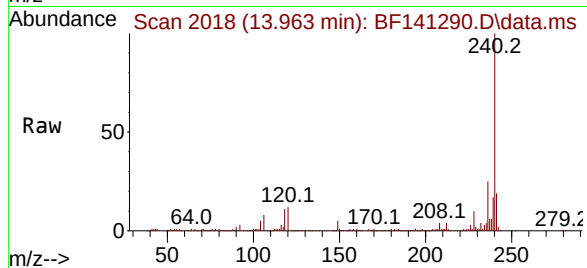
80 10.6 8.2 12.4



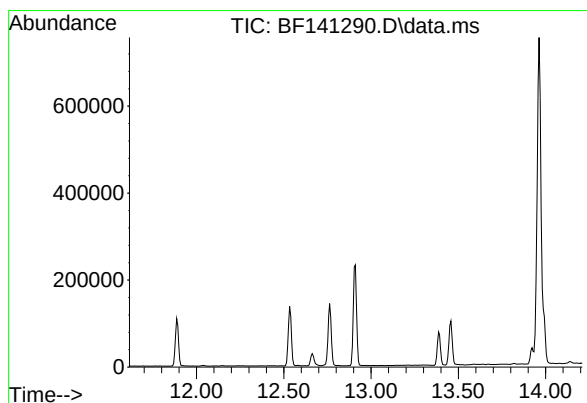
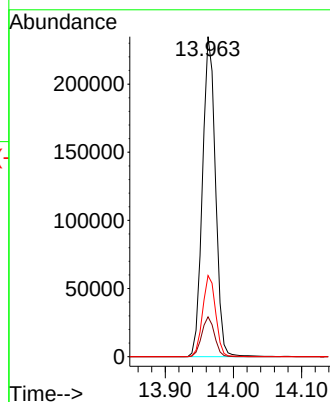
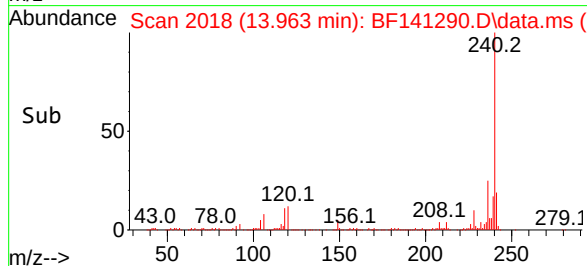


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF141290.D
Acq: 29 Jan 2025 10:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5



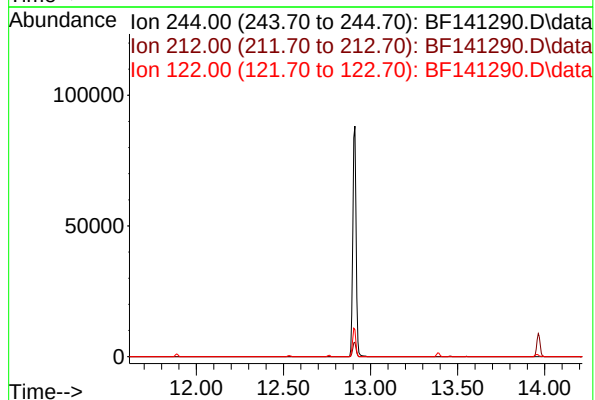
Tgt Ion:240 Resp: 311885
Ion Ratio Lower Upper
240 100
120 12.4 10.0 15.0
236 25.3 19.7 29.5

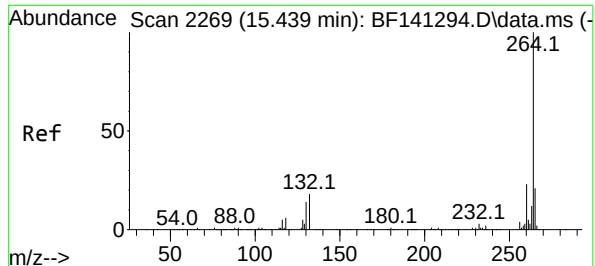


#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 12.92 min

Lab File: BF141290.D
Acq: 29 Jan 2025 10:30

Tgt Ion: 244
Sig Exp Ratio
244 100
212 6.7
122 11.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.427 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141290.D

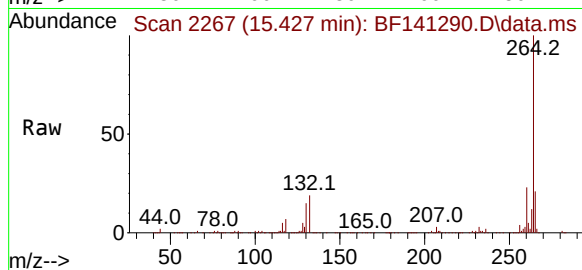
Acq: 29 Jan 2025 10:30

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5



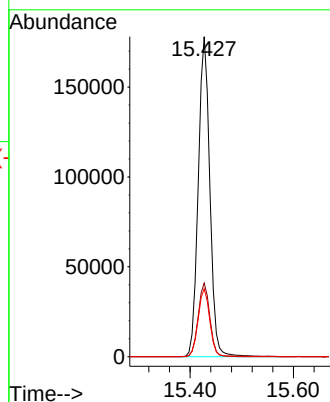
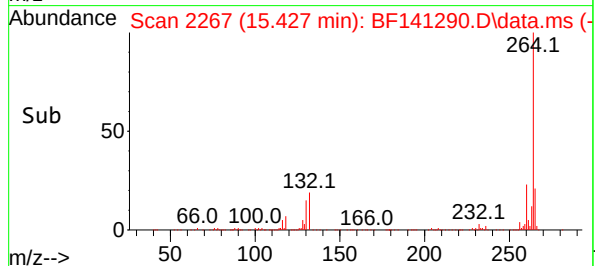
Tgt Ion:264 Resp: 276754

Ion Ratio Lower Upper

264 100

260 23.0 18.6 27.8

265 21.2 16.7 25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
 Data File : BF141291.D
 Acq On : 29 Jan 2025 10:56
 Operator : RC/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC005

Quant Time: Jan 29 16:26:46 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 16:24:35 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.799	152	134200	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	531551	20.000	ng	0.00
39) Acenaphthene-d10	9.834	164	281034	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	497368	20.000	ng	0.00
76) Chrysene-d12	13.963	240	288657	20.000	ng	0.00
86) Perylene-d12	15.427	264	273117	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	95839	11.044	ng	0.00
7) Phenol-d6	6.416	99	123556	11.172	ng	-0.01
23) Nitrobenzene-d5	7.357	82	107680	10.719	ng	0.00
42) 2,4,6-Tribromophenol	10.622	330	27799	10.855	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	224446	12.320	ng	0.00
79) Terphenyl-d14	12.910	244	222747	11.874	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.487	88	20141	5.229	ng	99
3) Pyridine	3.234	79	45762	4.967	ng	97
4) n-Nitrosodimethylamine	3.158	42	25819	4.894	ng	# 96
6) Aniline	6.457	93	49669	5.373	ng	99
8) 2-Chlorophenol	6.581	128	51505	5.527	ng	96
9) Benzaldehyde	6.346	77	39117	6.090	ng	97
10) Phenol	6.434	94	65035	5.558	ng	93
11) bis(2-Chloroethyl)ether	6.528	93	49579	5.510	ng	98
12) 1,3-Dichlorobenzene	6.740	146	56929	5.539	ng	99
13) 1,4-Dichlorobenzene	6.816	146	57684	5.573	ng	99
14) 1,2-Dichlorobenzene	6.969	146	54653	5.650	ng	98
15) Benzyl Alcohol	6.934	79	38176	5.053	ng	94
16) 2,2'-oxybis(1-Chloropr...	7.075	45	84988	5.436	ng	100
17) 2-Methylphenol	7.046	107	41498	5.500	ng	99
18) Hexachloroethane	7.310	117	20418	5.332	ng	95
19) n-Nitroso-di-n-propyla...	7.198	70	35278	5.363	ng	100
20) 3+4-Methylphenols	7.198	107	52364	5.645	ng	# 90
22) Acetophenone	7.204	105	72756	5.774	ng	98
24) Nitrobenzene	7.375	77	55610	5.337	ng	99
25) Isophorone	7.610	82	92818	5.346	ng	98
26) 2-Nitrophenol	7.693	139	23372	4.789	ng	97
27) 2,4-Dimethylphenol	7.728	122	32462	5.205	ng	99
28) bis(2-Chloroethoxy)met...	7.828	93	60286	5.449	ng	98
29) 2,4-Dichlorophenol	7.934	162	40847	5.360	ng	99
30) 1,2,4-Trichlorobenzene	8.022	180	49479	5.661	ng	96
31) Naphthalene	8.098	128	158560	5.672	ng	99
32) Benzoic acid	7.793	122	18585	3.281	ng	93
33) 4-Chloroaniline	8.151	127	50760	5.405	ng	97
34) Hexachlorobutadiene	8.222	225	27720	5.419	ng	99
35) Caprolactam	8.475	113	12827	5.204	ng	94
36) 4-Chloro-3-methylphenol	8.622	107	43627	5.334	ng	97
37) 2-Methylnaphthalene	8.793	142	100305	5.634	ng	98
38) 1-Methylnaphthalene	8.893	142	100569	5.767	ng	99
40) 1,2,4,5-Tetrachloroben...	8.957	216	43228	5.410	ng	97
41) Hexachlorocyclopentadiene	8.945	237	9555	3.985	ng	98
43) 2,4,6-Trichlorophenol	9.069	196	26790	5.136	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
 Data File : BF141291.D
 Acq On : 29 Jan 2025 10:56
 Operator : RC/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC005

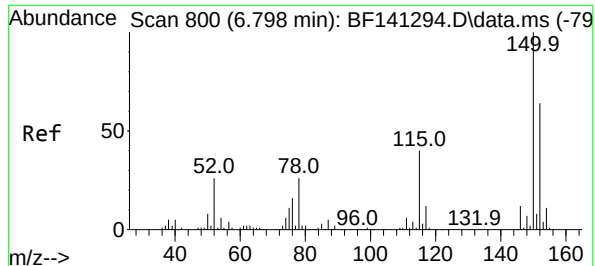
Quant Time: Jan 29 16:26:46 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 16:24:35 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.104	196	30127	5.309	ng	98
46) 1,1'-Biphenyl	9.257	154	127187	5.801	ng	99
47) 2-Chloronaphthalene	9.281	162	98081	5.760	ng	97
48) 2-Nitroaniline	9.375	65	27154	5.056	ng	99
49) Acenaphthylene	9.692	152	134958	5.643	ng	99
50) Dimethylphthalate	9.551	163	105240	5.584	ng	99
51) 2,6-Dinitrotoluene	9.616	165	23372	5.329	ng	95
52) Acenaphthene	9.869	154	95591	5.617	ng	100
53) 3-Nitroaniline	9.781	138	22582	5.206	ng	91
55) Dibenzofuran	10.039	168	131288	5.769	ng	98
56) 4-Nitrophenol	9.945	139	13160	4.226	ng	89
57) 2,4-Dinitrotoluene	10.016	165	29799	5.268	ng	98
58) Fluorene	10.381	166	106198	6.002	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.157	232	22818	5.090	ng	96
60) Diethylphthalate	10.251	149	103307	5.660	ng	98
61) 4-Chlorophenyl-phenyle...	10.375	204	51875	6.007	ng	98
62) 4-Nitroaniline	10.387	138	20870	5.008	ng	95
63) Azobenzene	10.534	77	102878	5.623	ng	98
65) 4,6-Dinitro-2-methylph...	10.422	198	9960	3.353	ng	92
66) n-Nitrosodiphenylamine	10.492	169	89060	5.523	ng	99
67) 4-Bromophenyl-phenylether	10.869	248	29160	5.245	ng	94
68) Hexachlorobenzene	10.928	284	31990	5.424	ng	98
69) Atrazine	11.016	200	26258	4.855	ng	97
70) Pentachlorophenol	11.128	266	13924	4.027	ng	96
71) Phenanthrene	11.345	178	153320	5.738	ng	99
72) Anthracene	11.398	178	146593	5.625	ng	99
73) Carbazole	11.551	167	126760	5.491	ng	99
74) Di-n-butylphthalate	11.886	149	154718	5.560	ng	100
75) Fluoranthene	12.533	202	148553	5.696	ng	99
77) Benzidine	12.663	184	63661	7.253	ng	98
78) Pyrene	12.763	202	157175	5.639	ng	99
80) Butylbenzylphthalate	13.386	149	49477	5.140	ng	99
81) Benzo(a)anthracene	13.951	228	110559	5.588	ng	99
82) 3,3'-Dichlorobenzidine	13.922	252	29754	4.803	ng	100
83) Chrysene	13.992	228	96099	5.238	ng	99
84) Bis(2-ethylhexyl)phtha...	13.951	149	63638	5.269	ng	98
85) Di-n-octyl phthalate	14.574	149	86163	4.560	ng	98
87) Indeno(1,2,3-cd)pyrene	16.863	276	83074	4.657	ng	99
88) Benzo(b)fluoranthene	14.998	252	92690	5.465	ng	99
89) Benzo(k)fluoranthene	15.027	252	79701	5.247	ng	99
90) Benzo(a)pyrene	15.363	252	76368	5.268	ng	99
91) Dibenzo(a,h)anthracene	16.886	278	65991	4.615	ng	99
92) Benzo(g,h,i)perylene	17.298	276	69049	4.591	ng	97

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

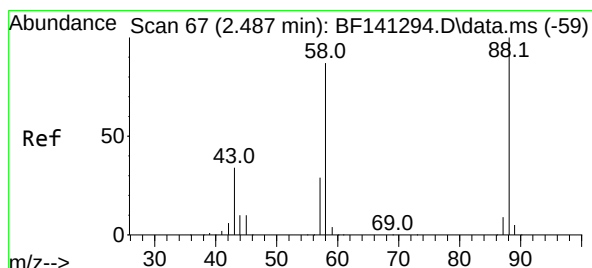
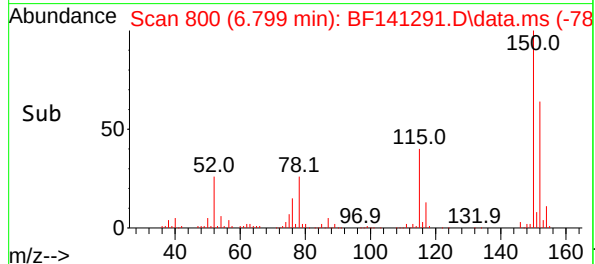
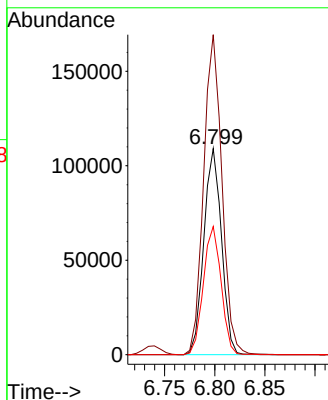
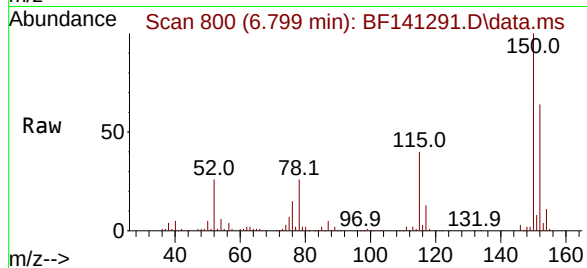
[illegible]



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.799 min Scan# 80
Delta R.T. 0.001 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

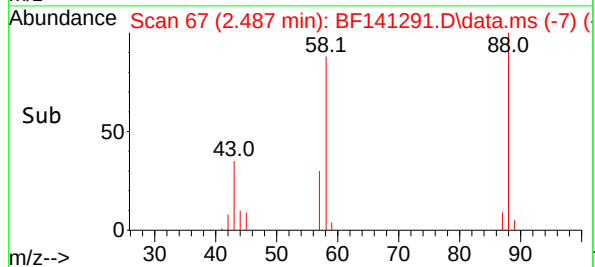
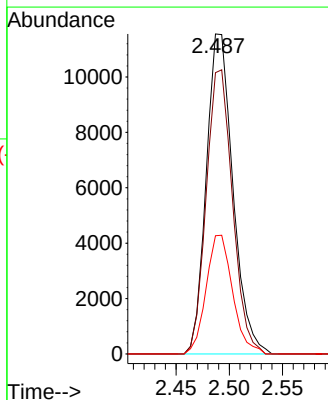
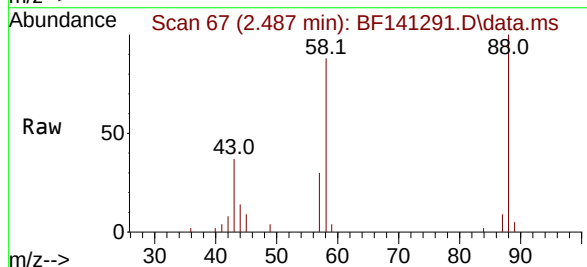
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

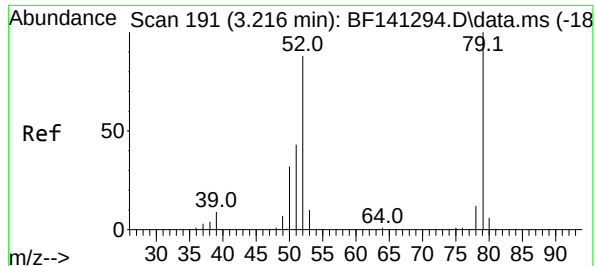
Tgt Ion:152 Resp: 134200
Ion Ratio Lower Upper
152 100
150 155.3 125.9 188.9
115 62.2 49.7 74.5



#2
1,4-Dioxane
Concen: 5.229 ng
RT: 2.487 min Scan# 67
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion: 88 Resp: 20141
Ion Ratio Lower Upper
88 100
58 87.4 70.2 105.4
43 36.8 27.6 41.4





#3

Pyridine

Concen: 4.967 ng

RT: 3.234 min Scan# 191

Delta R.T. 0.018 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

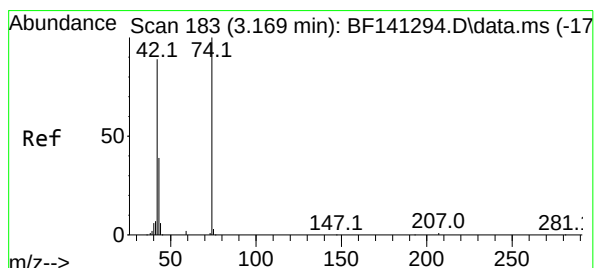
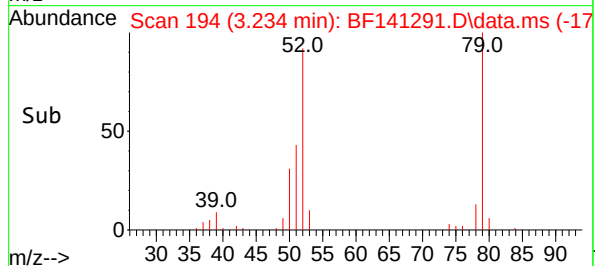
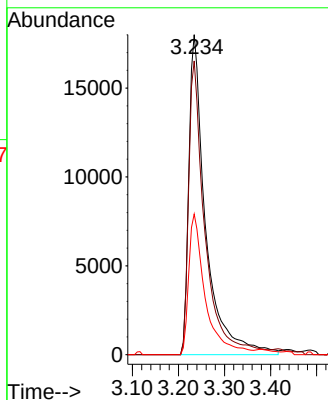
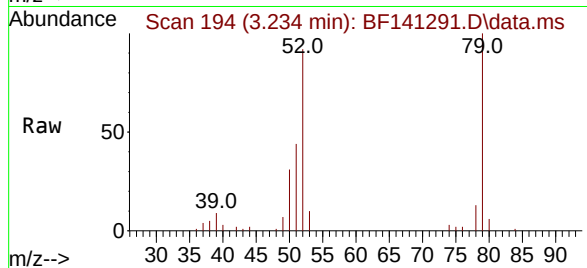
Tgt Ion: 79 Resp: 45762

Ion Ratio Lower Upper

79 100

52 91.8 70.3 105.5

51 43.9 34.3 51.5



#4

n-Nitrosodimethylamine

Concen: 4.894 ng

RT: 3.158 min Scan# 181

Delta R.T. -0.011 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

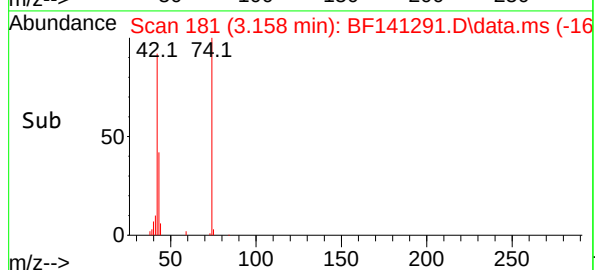
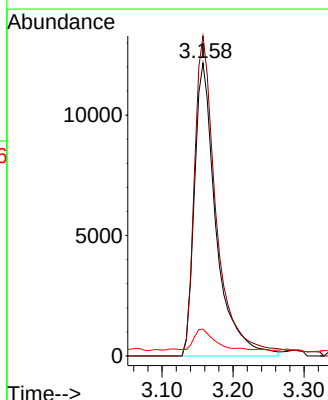
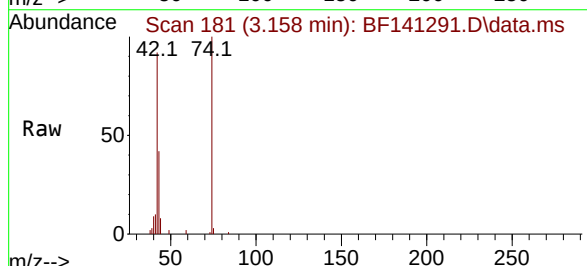
Tgt Ion: 42 Resp: 25819

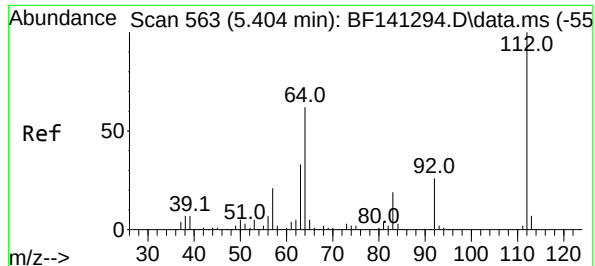
Ion Ratio Lower Upper

42 100

74 109.3 90.3 135.5

44 9.1 5.7 8.5

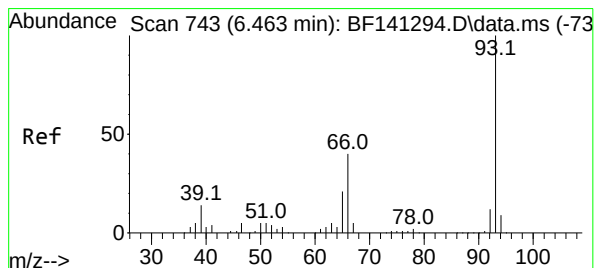
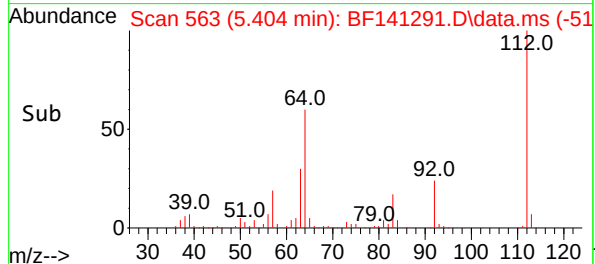
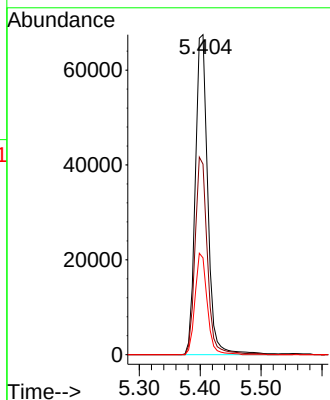
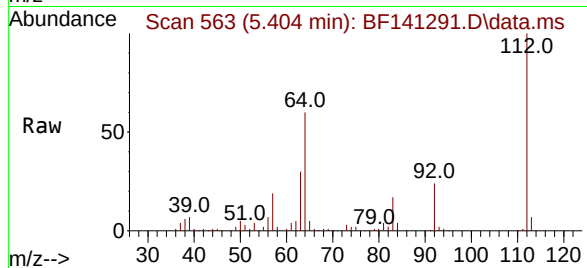




#5
2-Fluorophenol
Concen: 11.044 ng
RT: 5.404 min Scan# 50
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

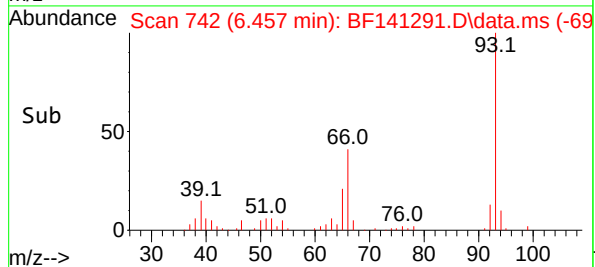
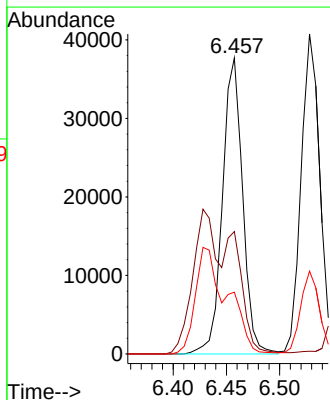
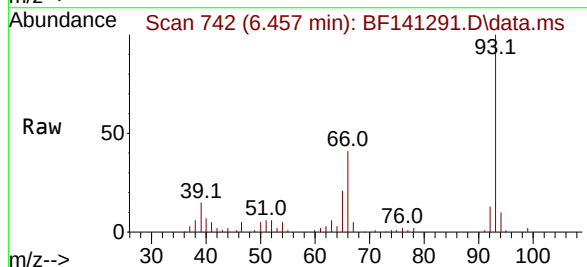
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

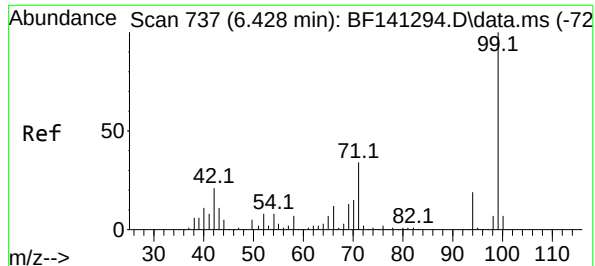
Tgt Ion:112 Resp: 95839
Ion Ratio Lower Upper
112 100
64 59.5 49.8 74.8
63 30.2 26.1 39.1



#6
Aniline
Concen: 5.373 ng
RT: 6.457 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion: 93 Resp: 49669
Ion Ratio Lower Upper
93 100
66 41.4 32.5 48.7
65 20.9 17.0 25.6





#7

Phenol-d6

Concen: 11.172 ng

RT: 6.416 min Scan# 71

Delta R.T. -0.011 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

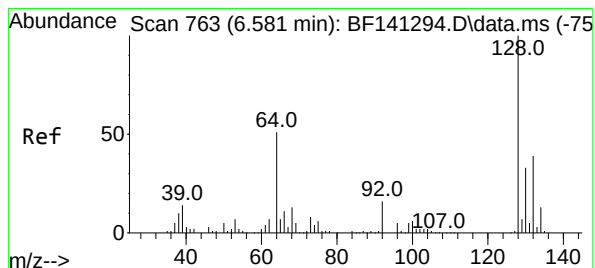
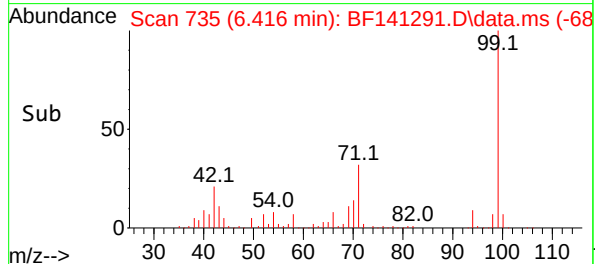
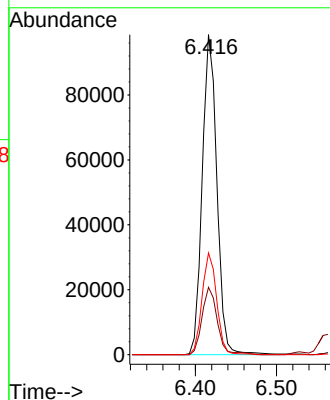
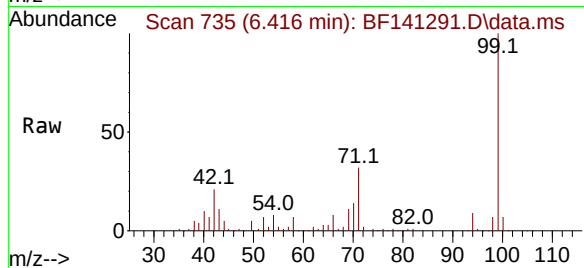
Tgt Ion: 99 Resp: 123556

Ion Ratio Lower Upper

99 100

42 21.0 17.1 25.7

71 31.8 26.9 40.3



#8

2-Chlorophenol

Concen: 5.527 ng

RT: 6.581 min Scan# 763

Delta R.T. 0.000 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

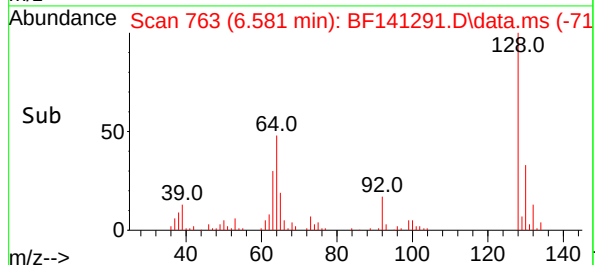
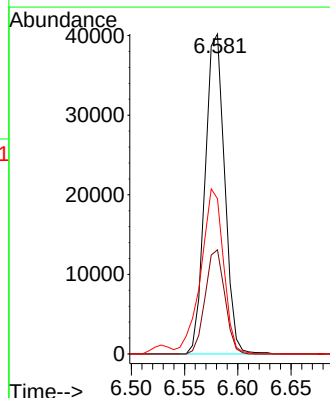
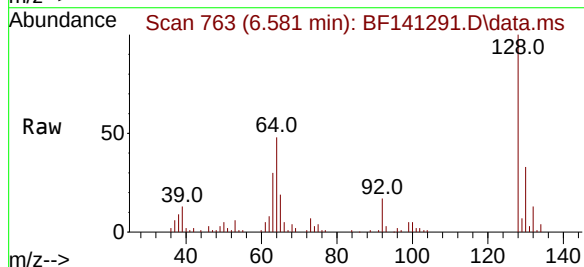
Tgt Ion:128 Resp: 51505

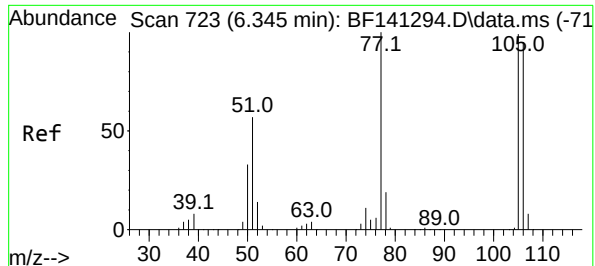
Ion Ratio Lower Upper

128 100

130 32.5 12.5 52.5

64 48.5 32.9 72.9





#9

Benzaldehyde

Concen: 6.090 ng

RT: 6.346 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

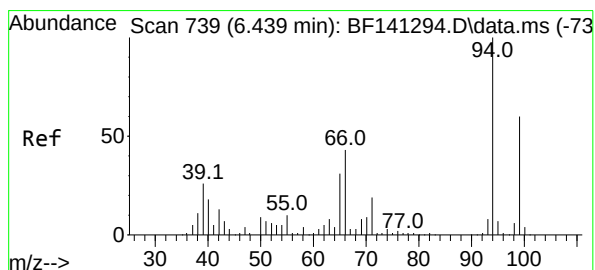
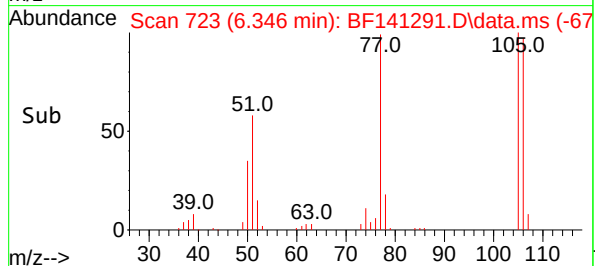
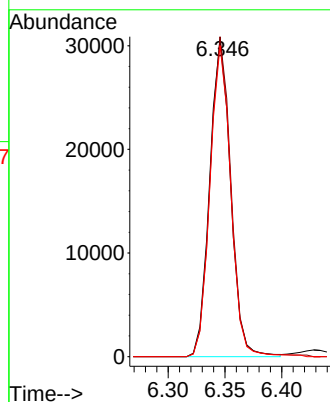
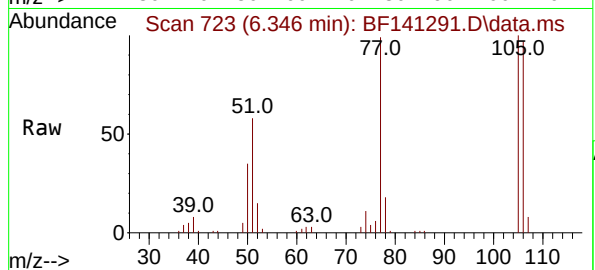
Tgt Ion: 77 Resp: 39117

Ion Ratio Lower Upper

77 100

105 100.9 79.4 119.4

106 98.1 74.6 114.6



#10

Phenol

Concen: 5.558 ng

RT: 6.434 min Scan# 738

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

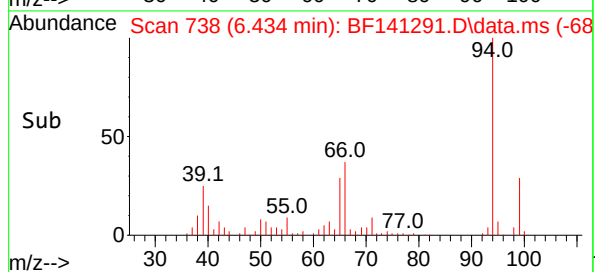
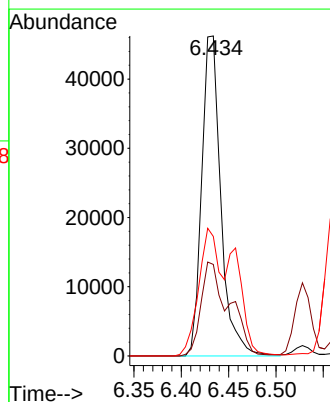
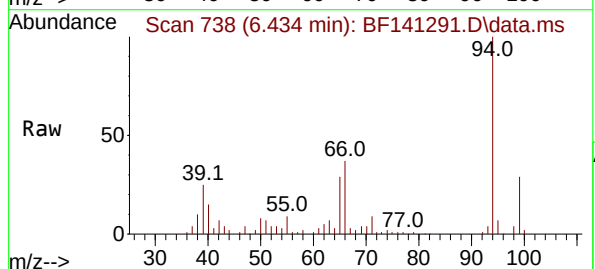
Tgt Ion: 94 Resp: 65035

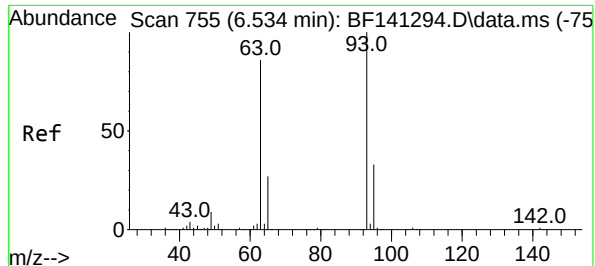
Ion Ratio Lower Upper

94 100

65 28.6 10.8 50.8

66 37.4 23.3 63.3

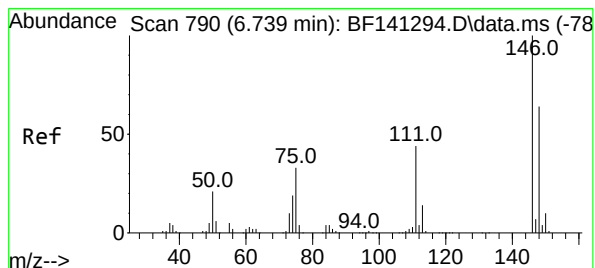
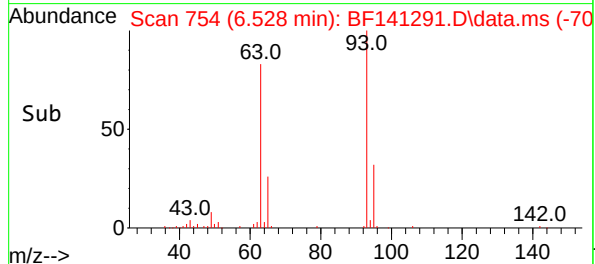
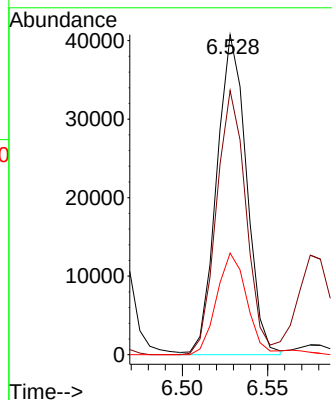
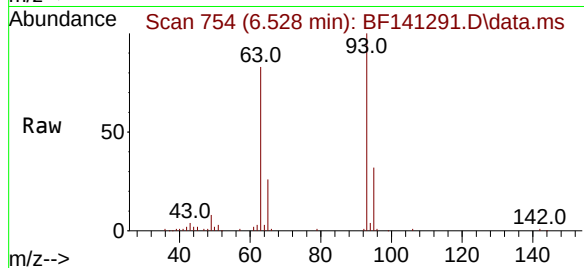




#11
bis(2-Chloroethyl)ether
Concen: 5.510 ng
RT: 6.528 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

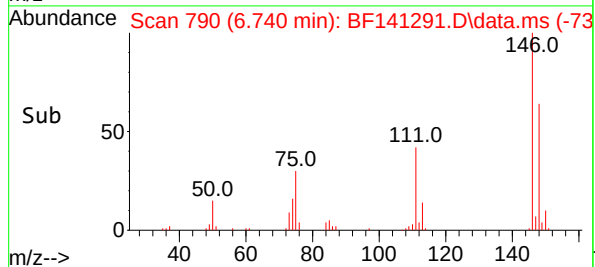
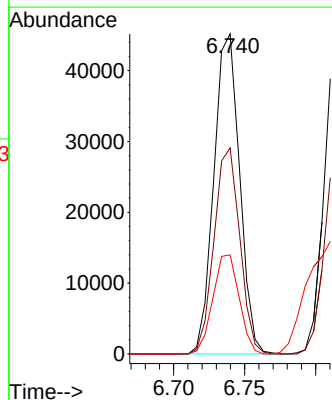
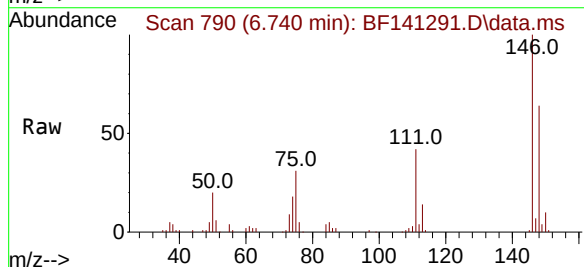
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

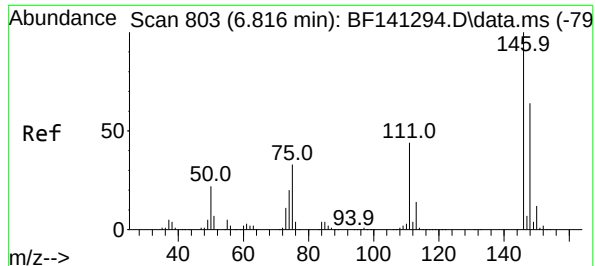
Tgt Ion: 93 Resp: 49579
Ion Ratio Lower Upper
93 100
63 82.6 65.0 105.0
95 31.7 12.4 52.4



#12
1,3-Dichlorobenzene
Concen: 5.539 ng
RT: 6.740 min Scan# 790
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion: 146 Resp: 56929
Ion Ratio Lower Upper
146 100
148 64.4 51.2 76.8
75 30.9 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 5.573 ng

RT: 6.816 min Scan# 803

Delta R.T. 0.000 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

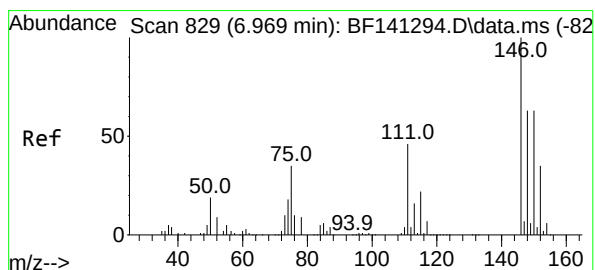
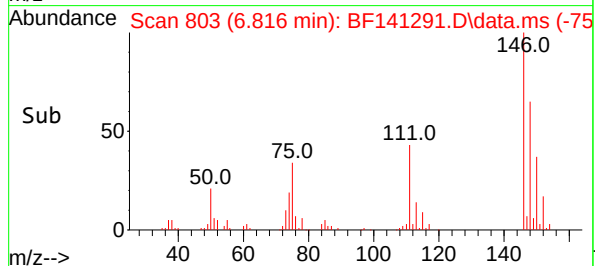
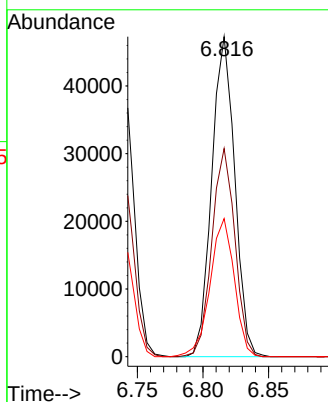
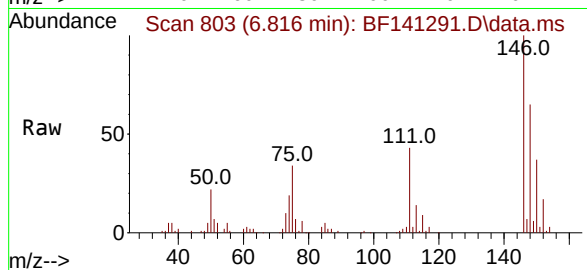
Tgt Ion:146 Resp: 57684

Ion Ratio Lower Upper

146 100

148 65.0 51.2 76.8

111 43.2 35.0 52.4



#14

1,2-Dichlorobenzene

Concen: 5.650 ng

RT: 6.969 min Scan# 829

Delta R.T. 0.000 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

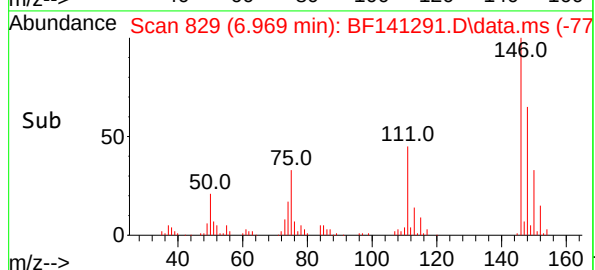
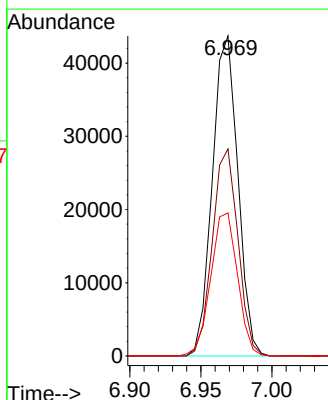
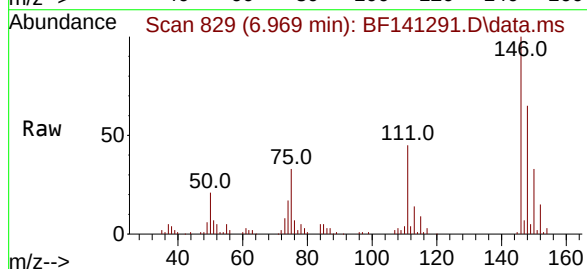
Tgt Ion:146 Resp: 54653

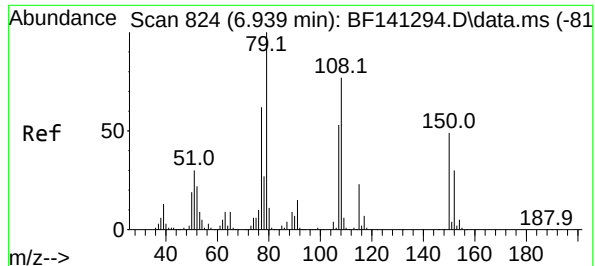
Ion Ratio Lower Upper

146 100

148 64.7 50.5 75.7

111 44.7 36.6 55.0





#15

Benzyl Alcohol

Concen: 5.053 ng

RT: 6.934 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

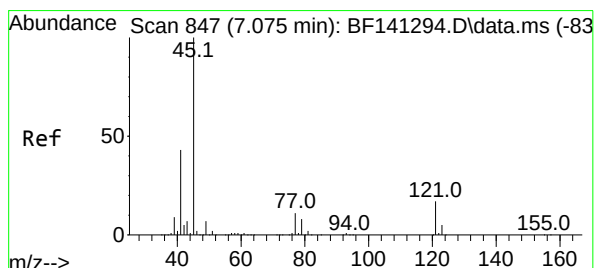
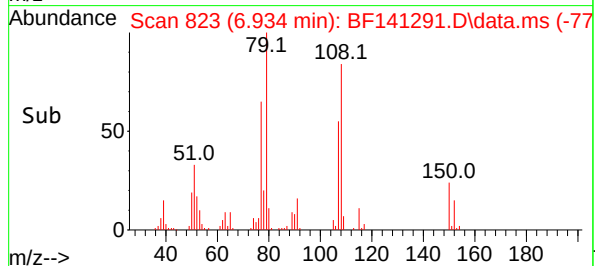
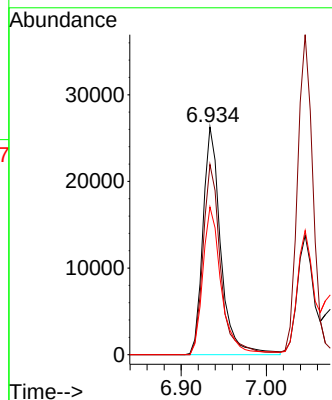
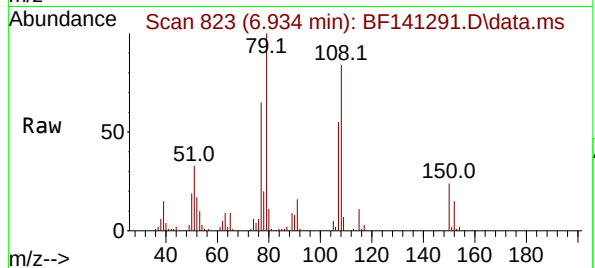
Tgt Ion: 79 Resp: 38176

Ion Ratio Lower Upper

79 100

108 83.6 61.4 92.0

77 64.8 49.9 74.9



#16

2,2'-oxybis(1-chloropropane)

Concen: 5.436 ng

RT: 7.075 min Scan# 847

Delta R.T. 0.000 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

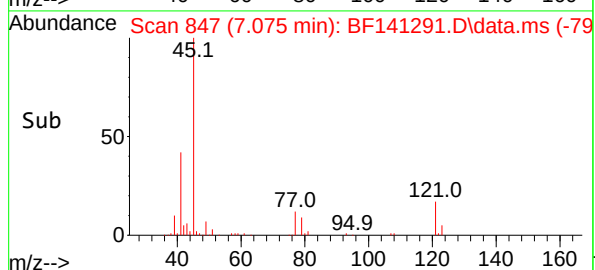
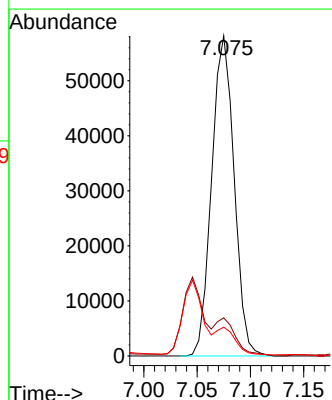
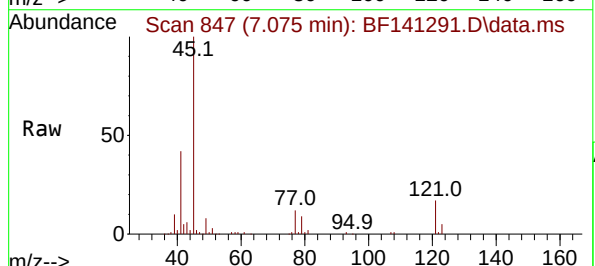
Tgt Ion: 45 Resp: 84988

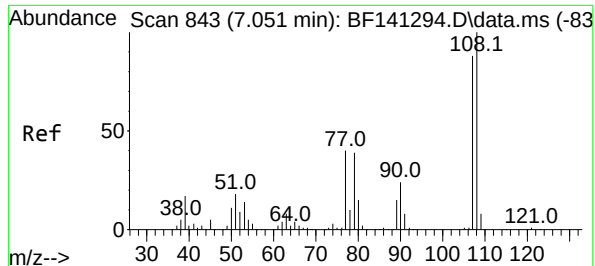
Ion Ratio Lower Upper

45 100

77 11.9 0.0 31.8

79 9.0 0.0 29.1

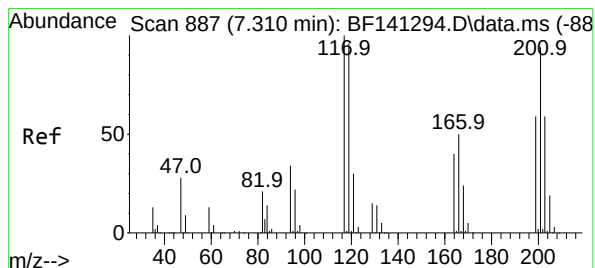
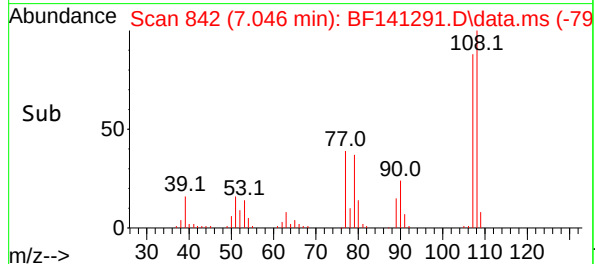
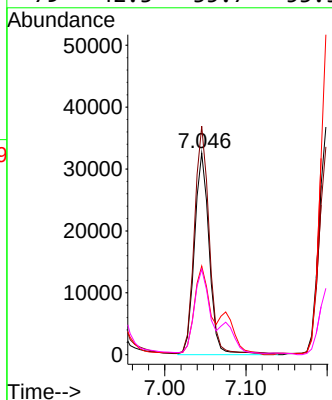
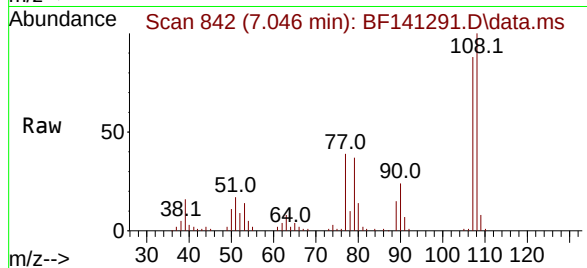




#17
2-Methylphenol
Concen: 5.500 ng
RT: 7.046 min Scan# 842
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

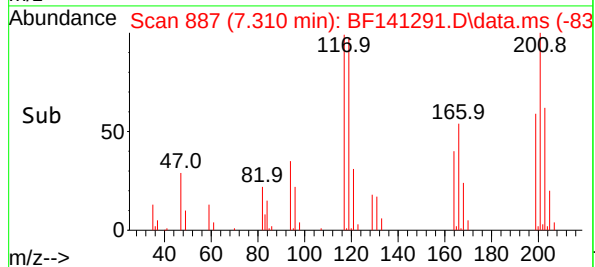
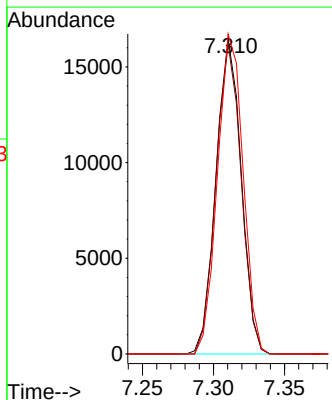
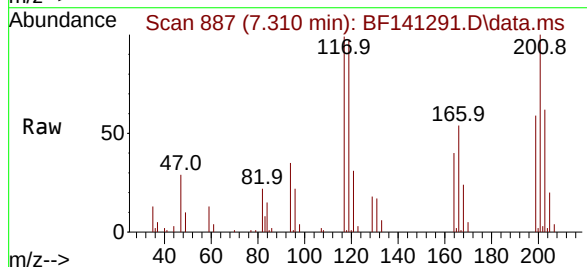
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

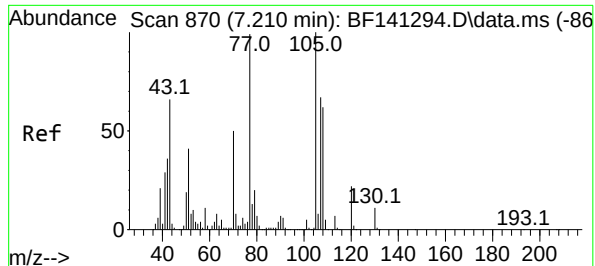
Tgt Ion:	107	Resp:	41498
Ion	Ratio	Lower	Upper
107	100		
108	113.4	90.8	136.2
77	44.0	36.2	54.4
79	42.3	35.7	53.5



#18
Hexachloroethane
Concen: 5.332 ng
RT: 7.310 min Scan# 887
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:	117	Resp:	20418
Ion	Ratio	Lower	Upper
117	100		
119	98.1	76.6	114.8
201	101.4	74.8	112.2





#19

n-Nitroso-di-n-propylamine

Concen: 5.363 ng

RT: 7.198 min Scan# 8

Delta R.T. -0.012 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion: 70 Resp: 35278

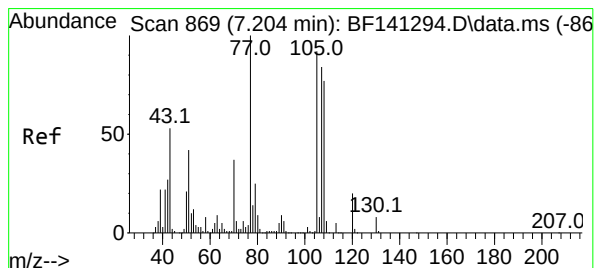
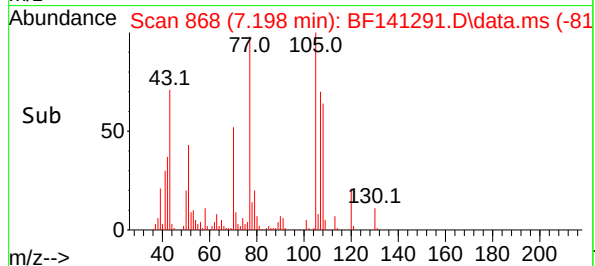
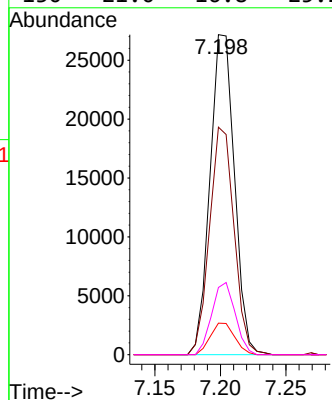
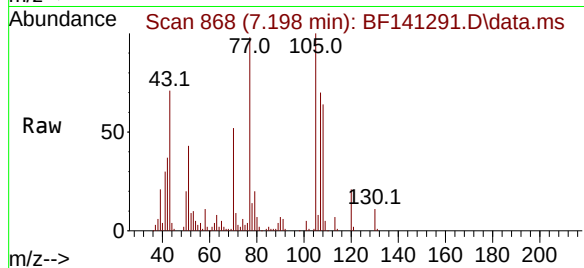
Ion Ratio Lower Upper

70 100

42 71.1 56.8 85.2

101 9.9 7.7 11.5

130 21.0 16.8 25.2



#20

3+4-Methylphenols

Concen: 5.645 ng

RT: 7.198 min Scan# 868

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Tgt Ion:107 Resp: 52364

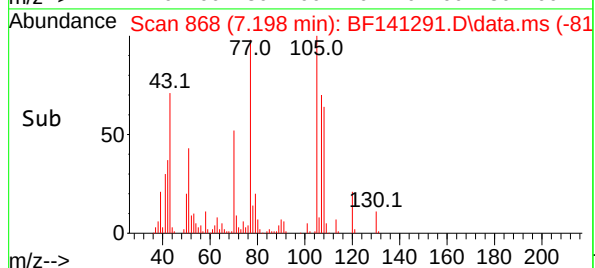
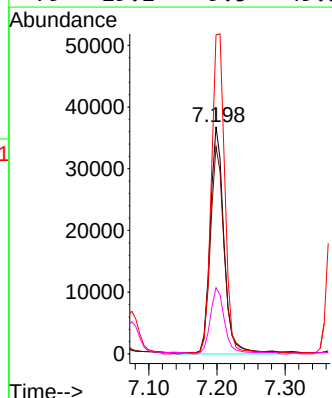
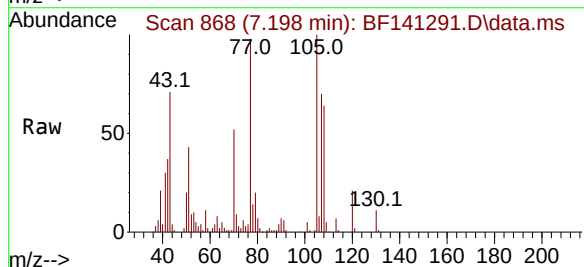
Ion Ratio Lower Upper

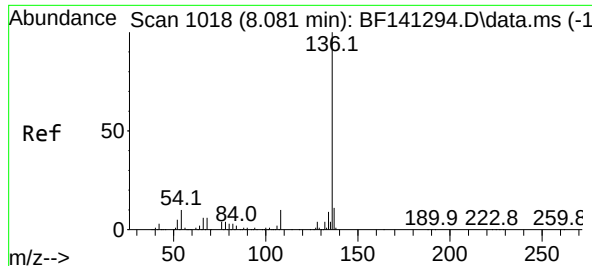
107 100

108 91.3 70.9 110.9

77 140.5 98.5 138.5#

79 29.2 9.5 49.5

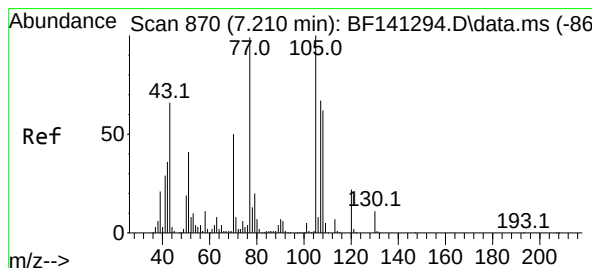
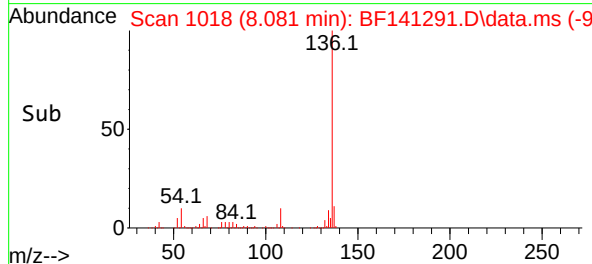
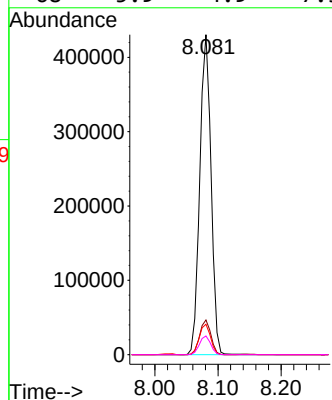
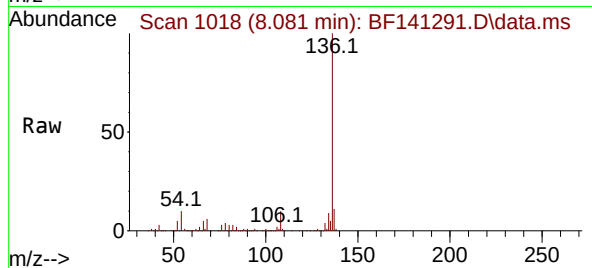




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1018
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

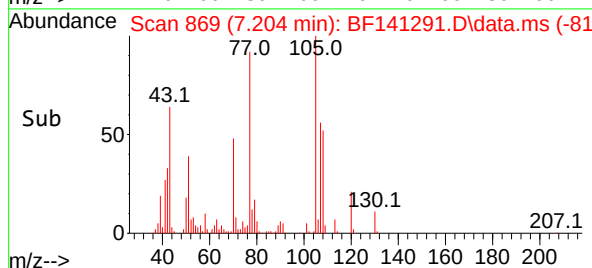
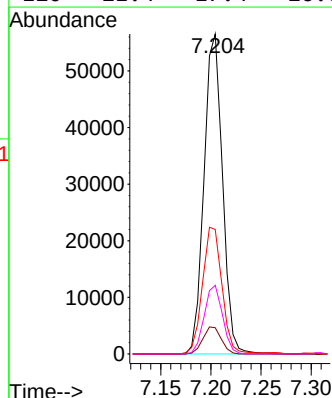
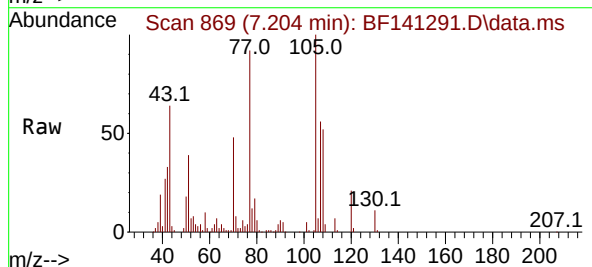
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

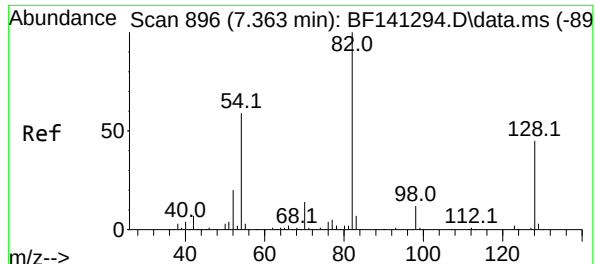
Tgt Ion:	136	Resp:	531551
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.6	13.0
54	9.5	7.8	11.8
68	5.9	4.9	7.3



#22
Acetophenone
Concen: 5.774 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:	105	Resp:	72756
Ion Ratio	Lower	Upper	
105	100		
71	8.2	6.8	10.2
51	38.9	32.6	49.0
120	21.4	17.4	26.0





#23

Nitrobenzene-d5

Concen: 10.719 ng

RT: 7.357 min Scan# 895

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

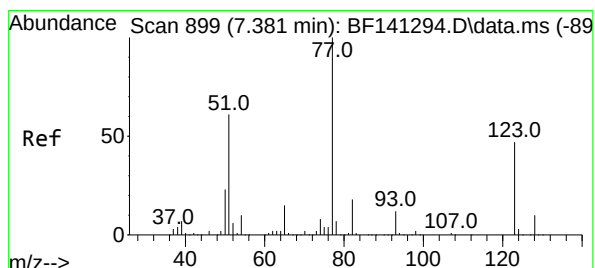
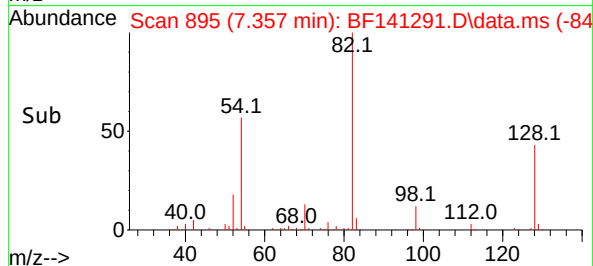
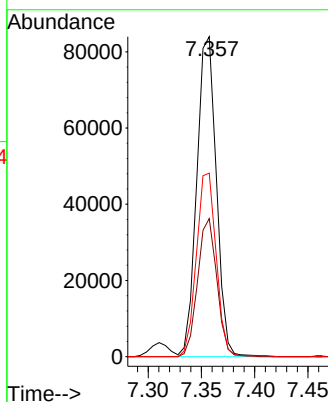
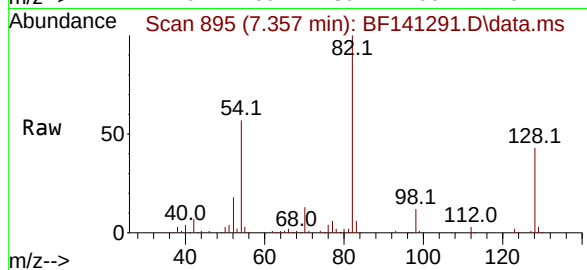
Tgt Ion: 82 Resp: 107680

Ion Ratio Lower Upper

82 100

128 43.2 35.7 53.5

54 57.4 47.1 70.7



#24

Nitrobenzene

Concen: 5.337 ng

RT: 7.375 min Scan# 898

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

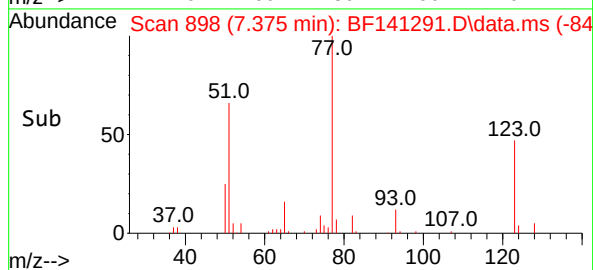
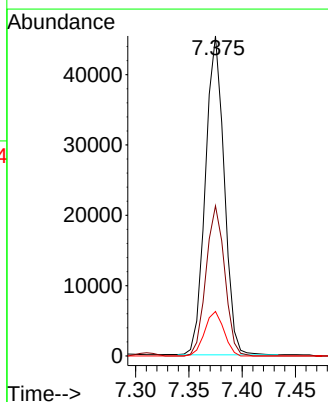
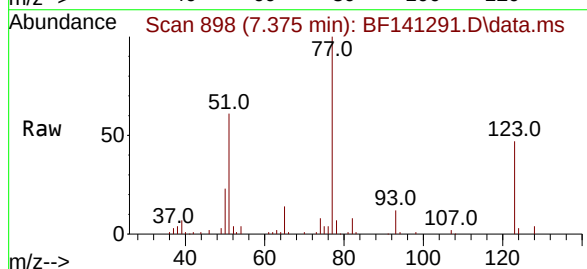
Tgt Ion: 77 Resp: 55610

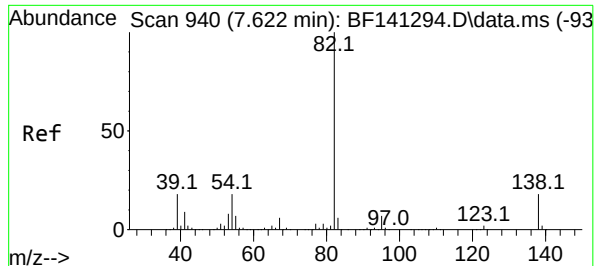
Ion Ratio Lower Upper

77 100

123 46.9 37.3 55.9

65 13.9 11.8 17.6

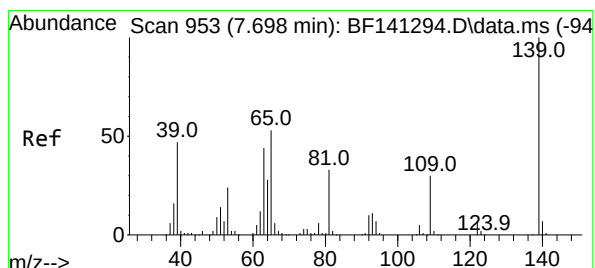
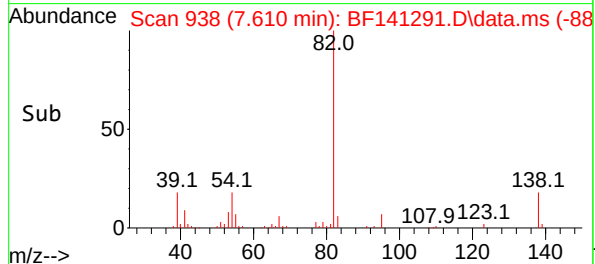
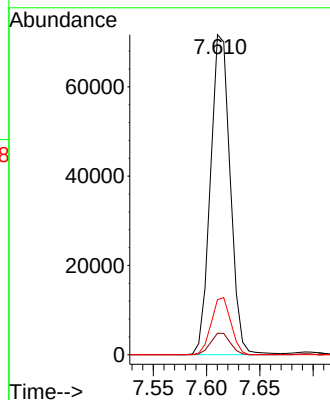
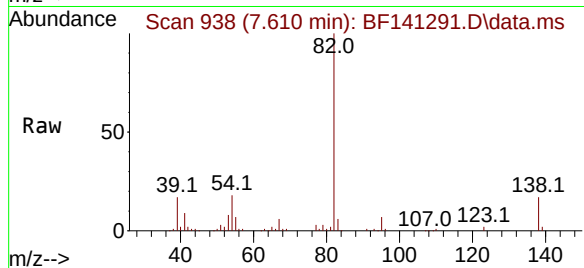




#25
Isophorone
Concen: 5.346 ng
RT: 7.610 min Scan# 91
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

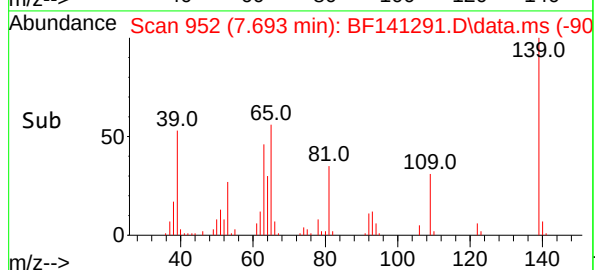
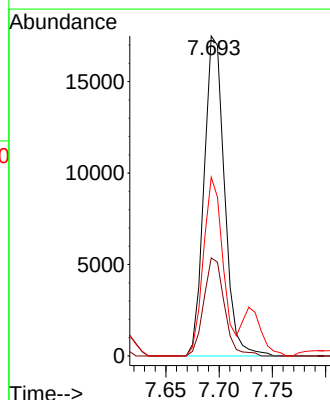
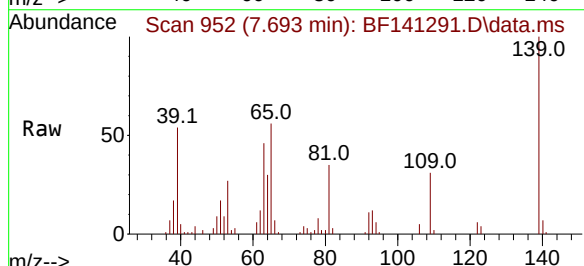
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

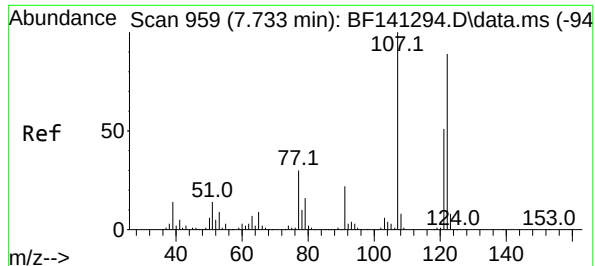
Tgt Ion: 82 Resp: 92818
Ion Ratio Lower Upper
82 100
95 6.7 5.8 8.6
138 17.2 14.7 22.1



#26
2-Nitrophenol
Concen: 4.789 ng
RT: 7.693 min Scan# 952
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion: 139 Resp: 23372
Ion Ratio Lower Upper
139 100
109 30.7 23.8 35.6
65 55.8 42.2 63.4





#27

2,4-Dimethylphenol

Concen: 5.205 ng

RT: 7.728 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

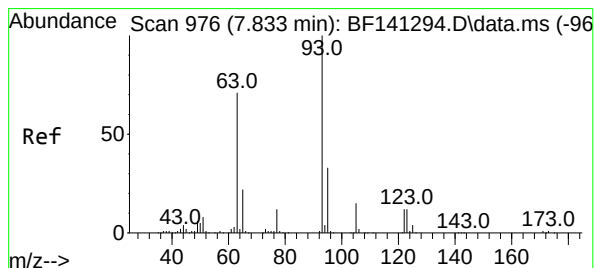
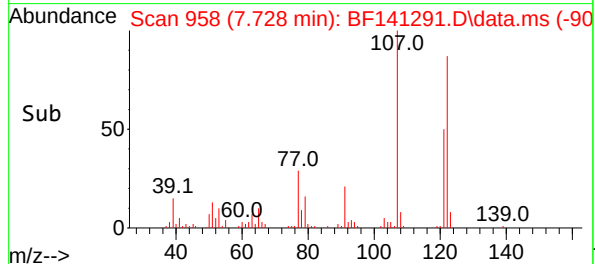
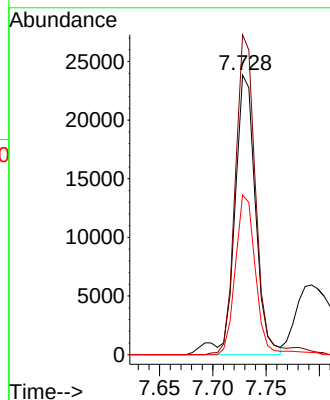
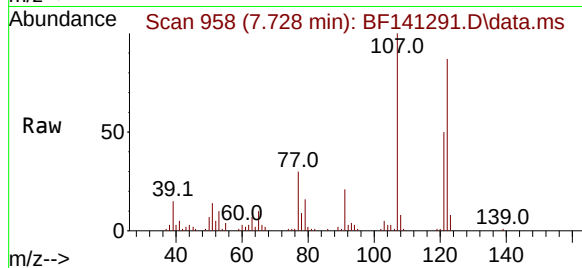
Tgt Ion:122 Resp: 32462

Ion Ratio Lower Upper

122 100

107 114.4 89.9 134.9

121 57.1 46.1 69.1



#28

bis(2-Chloroethoxy)methane

Concen: 5.449 ng

RT: 7.828 min Scan# 975

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

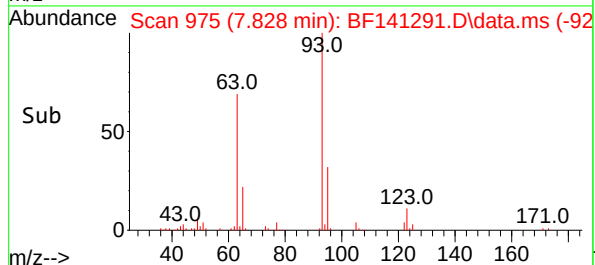
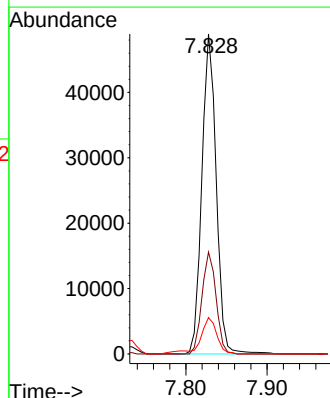
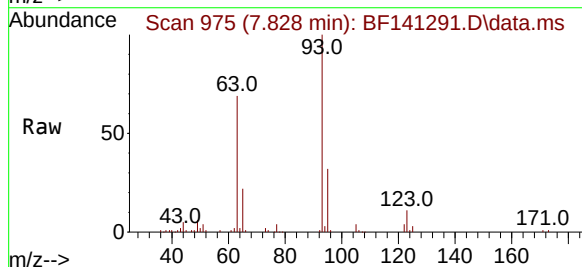
Tgt Ion: 93 Resp: 60286

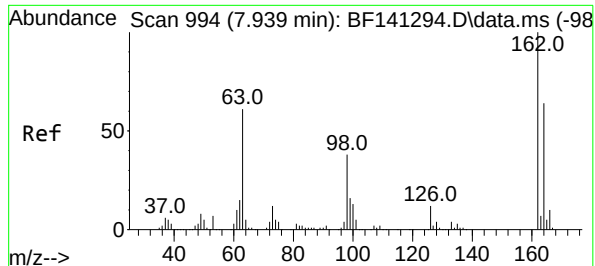
Ion Ratio Lower Upper

93 100

95 31.9 26.2 39.2

123 11.3 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 5.360 ng

RT: 7.934 min Scan# 994

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

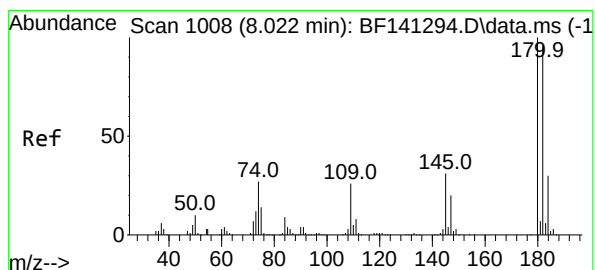
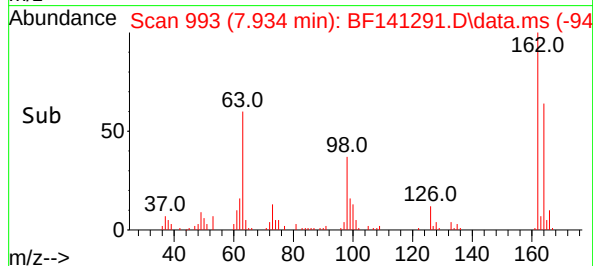
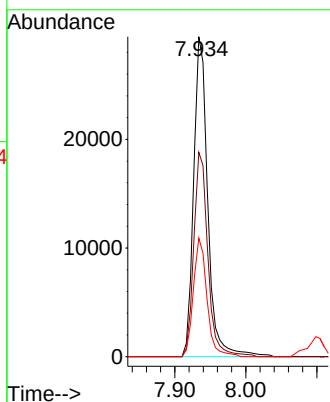
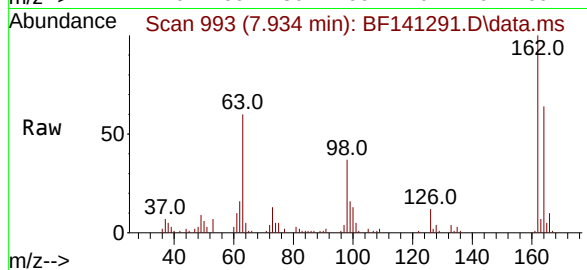
Tgt Ion:162 Resp: 40847

Ion Ratio Lower Upper

162 100

164 63.9 44.2 84.2

98 37.0 18.2 58.2



#30

1,2,4-Trichlorobenzene

Concen: 5.661 ng

RT: 8.022 min Scan# 1008

Delta R.T. 0.000 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

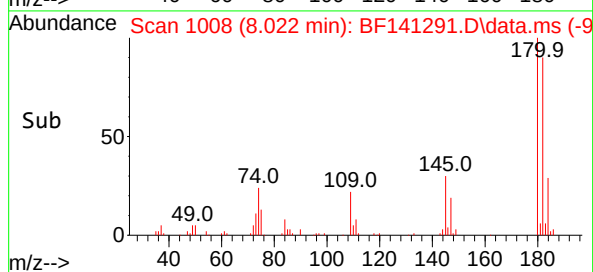
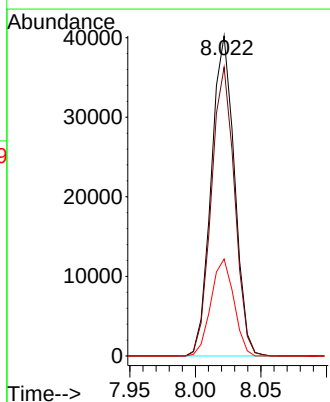
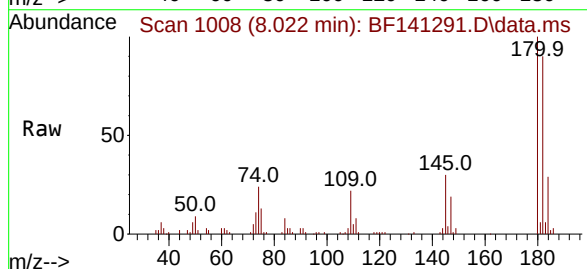
Tgt Ion:180 Resp: 49479

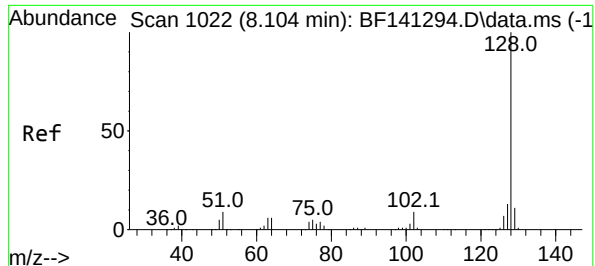
Ion Ratio Lower Upper

180 100

182 90.2 76.4 114.6

145 30.3 24.9 37.3

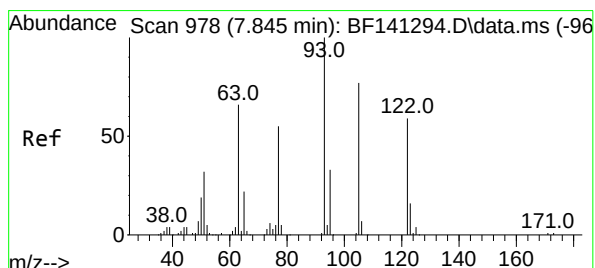
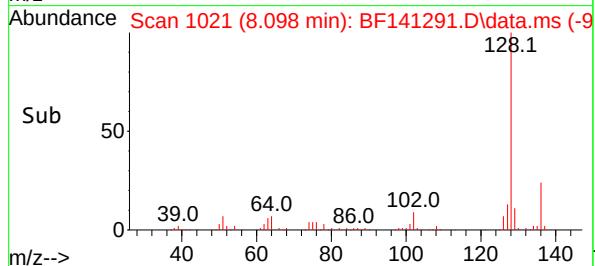
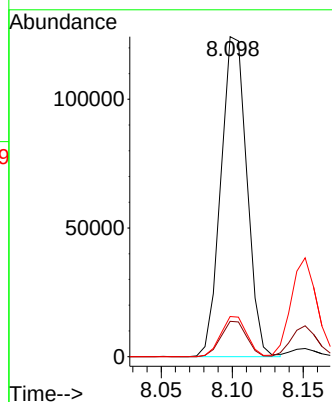
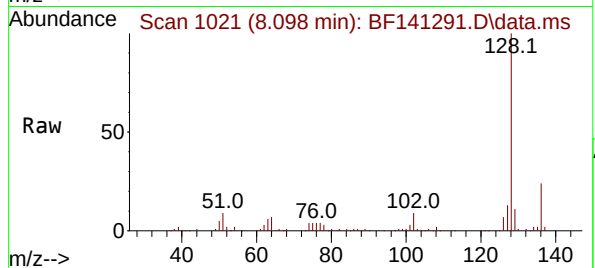




#31
Naphthalene
Concen: 5.672 ng
RT: 8.098 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

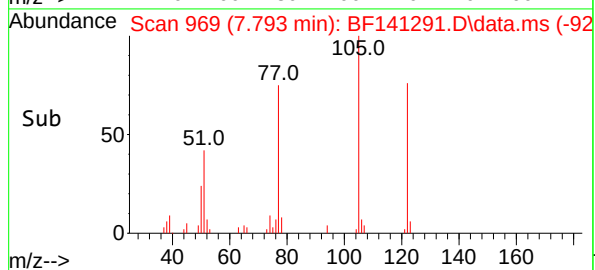
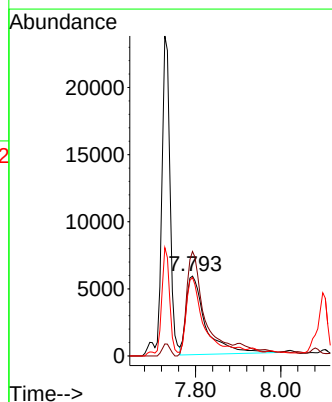
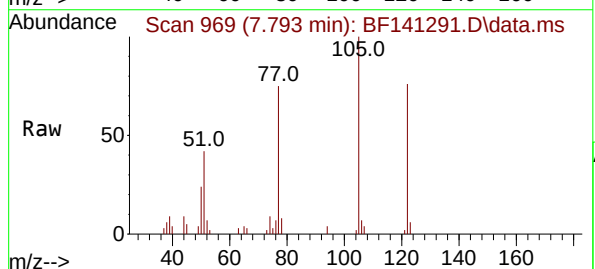
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

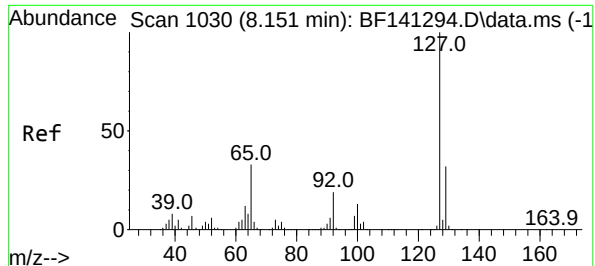
Tgt Ion:128 Resp: 158560
Ion Ratio Lower Upper
128 100
129 11.0 8.9 13.3
127 12.6 10.6 15.8



#32
Benzoic acid
Concen: 3.281 ng
RT: 7.793 min Scan# 969
Delta R.T. -0.053 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:122 Resp: 18585
Ion Ratio Lower Upper
122 100
105 130.7 103.4 143.4
77 98.2 70.9 110.9

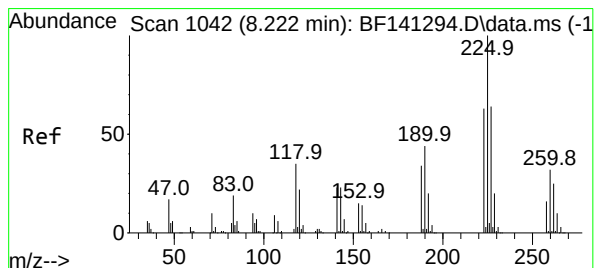
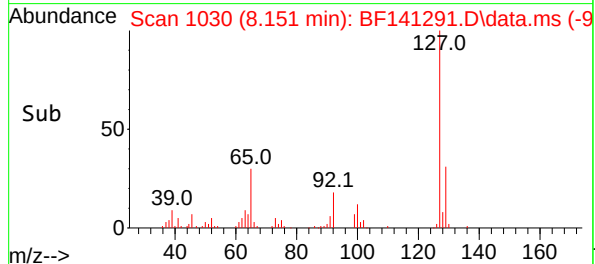
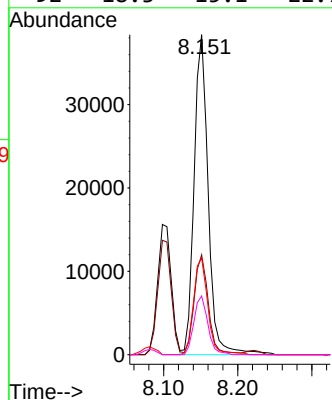
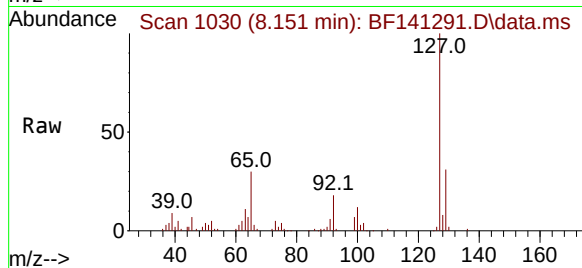




#33
4-Chloroaniline
Concen: 5.405 ng
RT: 8.151 min Scan# 1030
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

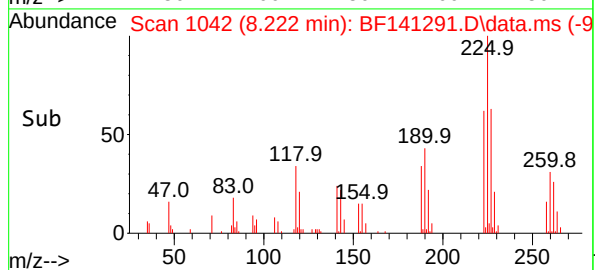
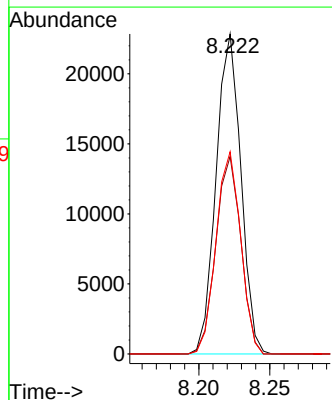
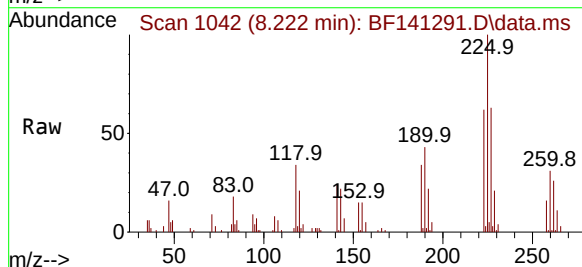
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

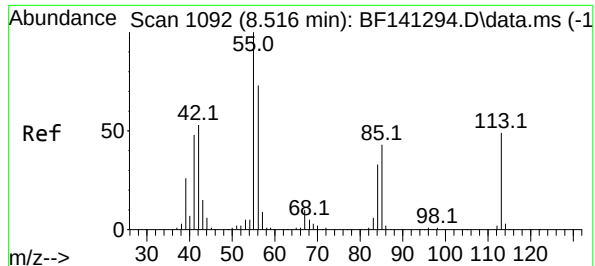
Tgt Ion:	127	Resp:	50760
Ion	Ratio	Lower	Upper
127	100		
129	31.2	25.7	38.5
65	30.1	26.4	39.6
92	18.3	15.1	22.7



#34
Hexachlorobutadiene
Concen: 5.419 ng
RT: 8.222 min Scan# 1042
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:	225	Resp:	27720
Ion	Ratio	Lower	Upper
225	100		
223	61.7	50.4	75.6
227	63.2	51.3	76.9

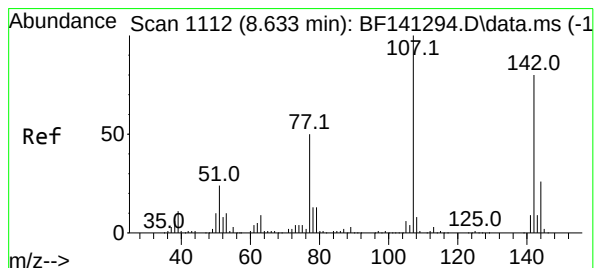
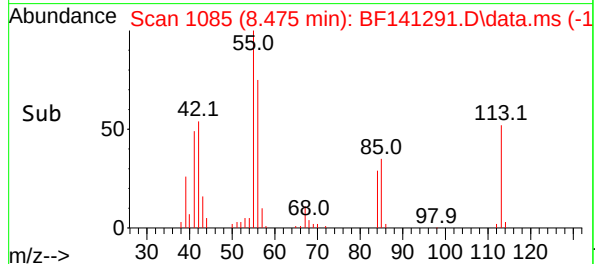
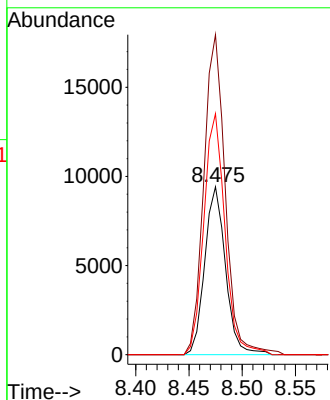
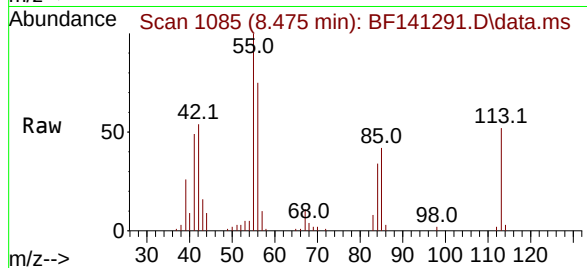




#35
Caprolactam
Concen: 5.204 ng
RT: 8.475 min Scan# 1108
Delta R.T. -0.041 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

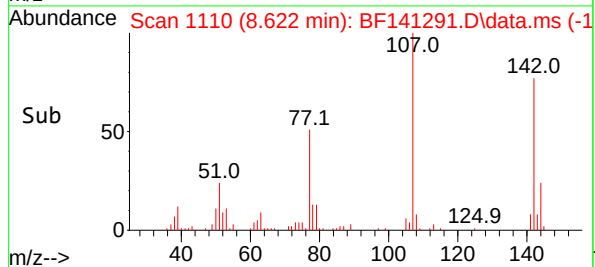
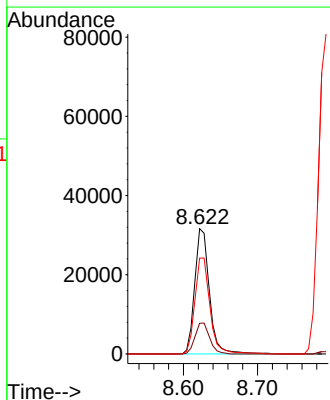
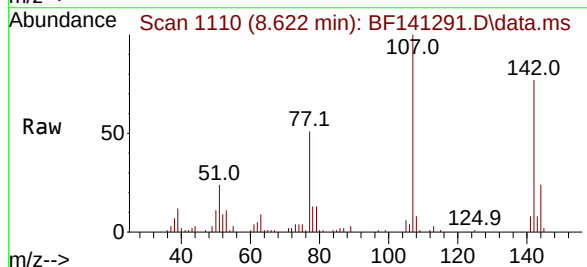
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

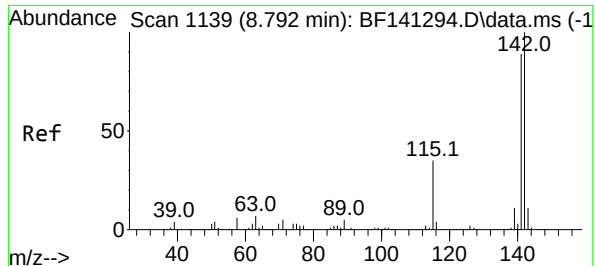
Tgt Ion:113 Resp: 12827
Ion Ratio Lower Upper
113 100
55 190.7 182.9 222.9
56 143.6 127.9 167.9



#36
4-Chloro-3-methylphenol
Concen: 5.334 ng
RT: 8.622 min Scan# 1110
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:107 Resp: 43627
Ion Ratio Lower Upper
107 100
144 24.5 20.7 31.1
142 76.6 63.8 95.8

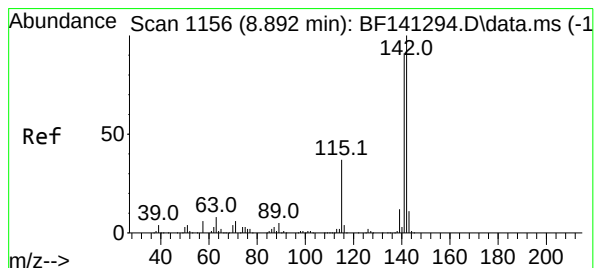
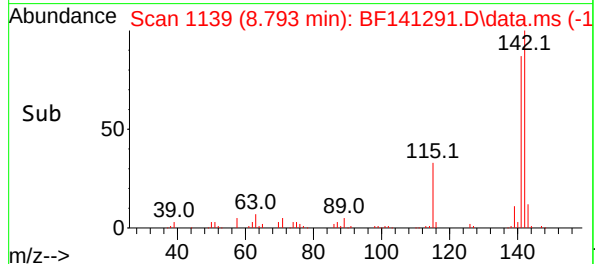
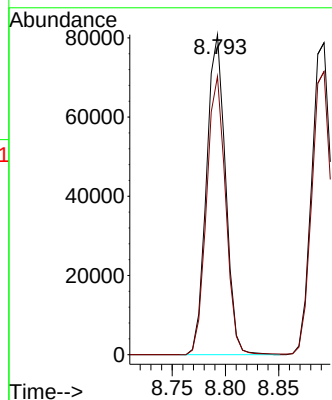
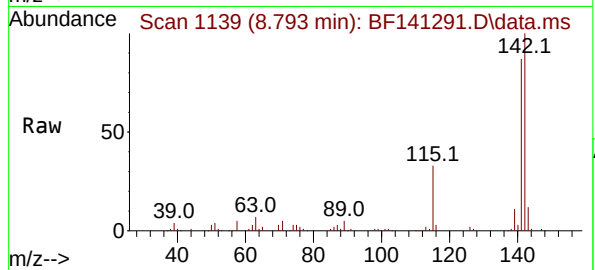




#37
2-Methylnaphthalene
Concen: 5.634 ng
RT: 8.793 min Scan# 1139
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

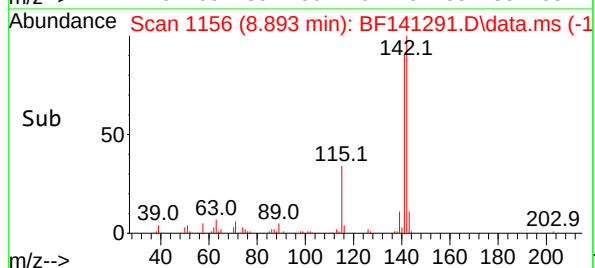
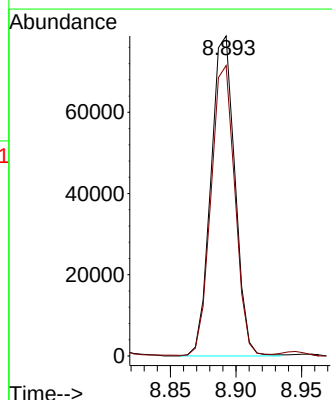
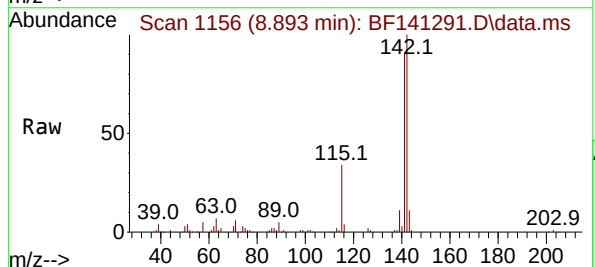
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

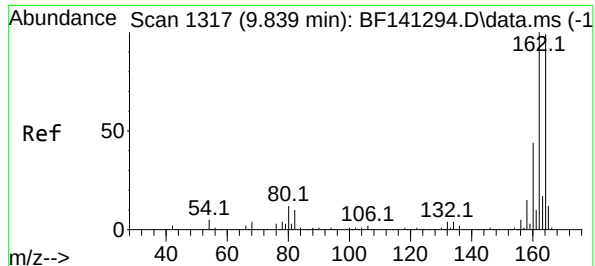
Tgt Ion:142 Resp: 100305
Ion Ratio Lower Upper
142 100
141 86.9 71.3 106.9



#38
1-Methylnaphthalene
Concen: 5.767 ng
RT: 8.893 min Scan# 1156
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:142 Resp: 100569
Ion Ratio Lower Upper
142 100
141 90.8 73.2 109.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.834 min Scan# 1167

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

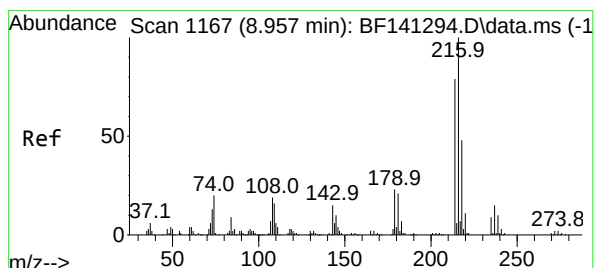
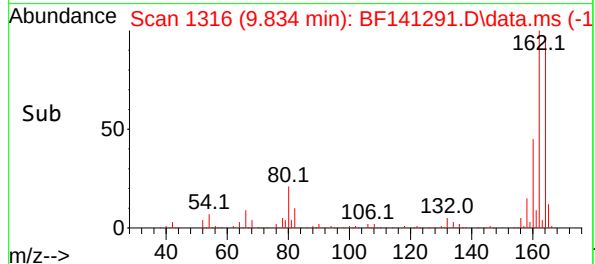
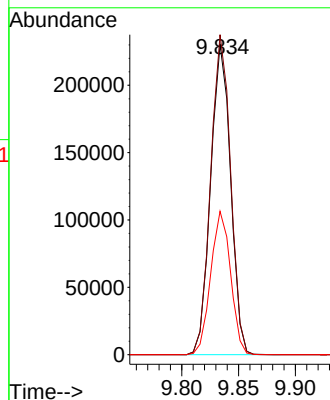
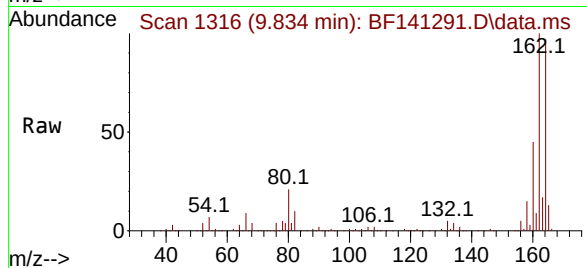
Tgt Ion:164 Resp: 281034

Ion Ratio Lower Upper

164 100

162 103.1 80.6 121.0

160 46.2 35.8 53.6



#40

1,2,4,5-Tetrachlorobenzene

Concen: 5.410 ng

RT: 8.957 min Scan# 1167

Delta R.T. 0.000 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Tgt Ion:216 Resp: 43228

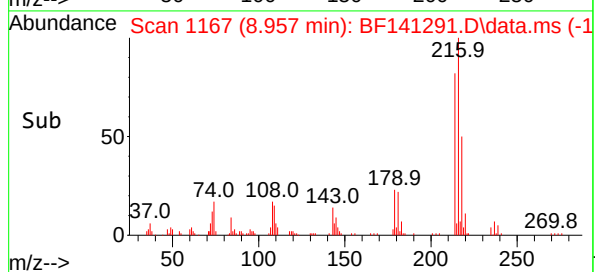
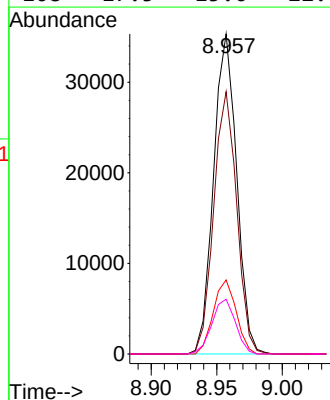
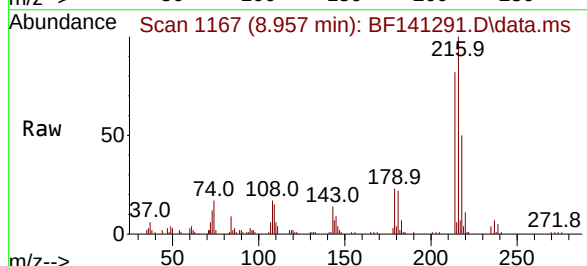
Ion Ratio Lower Upper

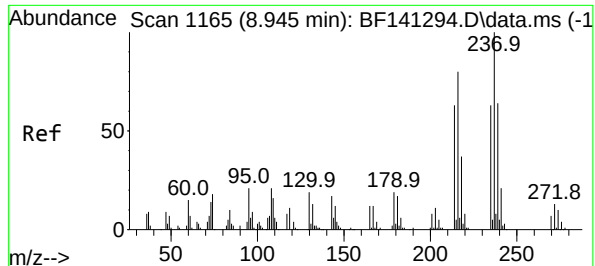
216 100

214 81.4 63.2 94.8

179 22.9 17.8 26.8

108 17.5 15.0 22.6

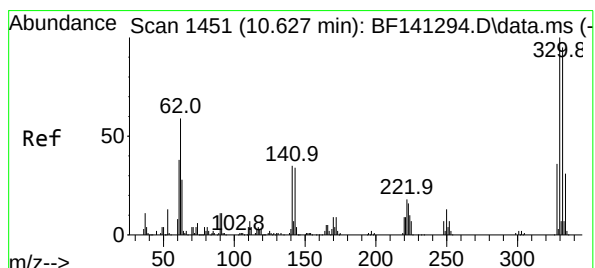
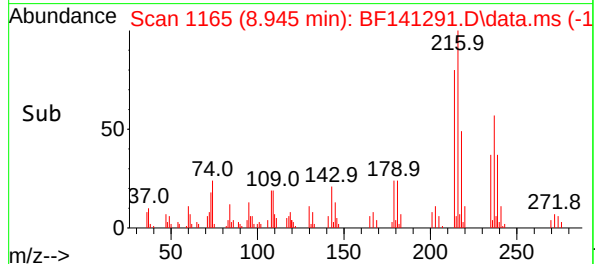
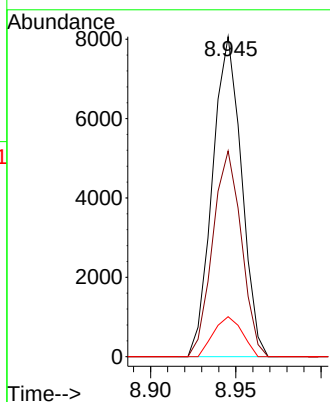
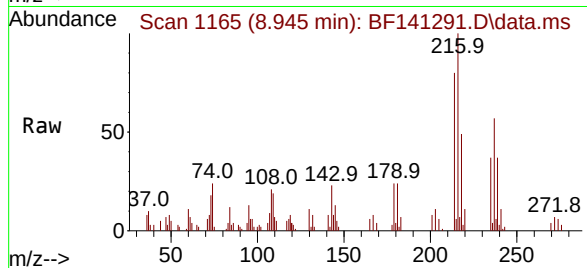




#41
Hexachlorocyclopentadiene
Concen: 3.985 ng
RT: 8.945 min Scan# 1165
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

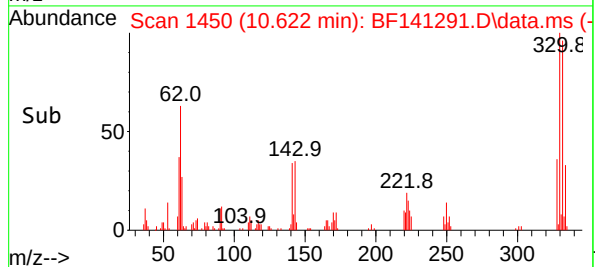
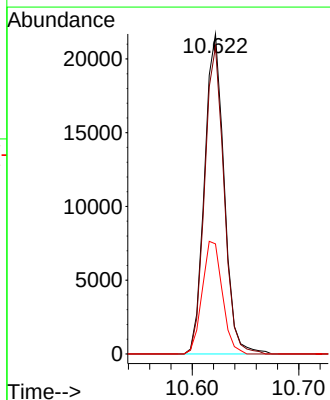
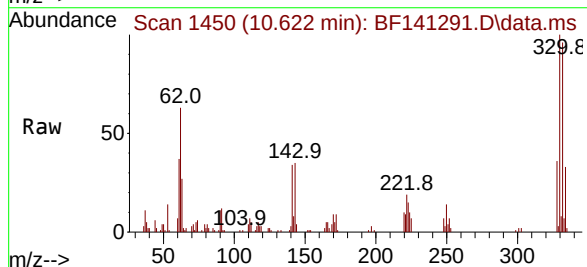
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

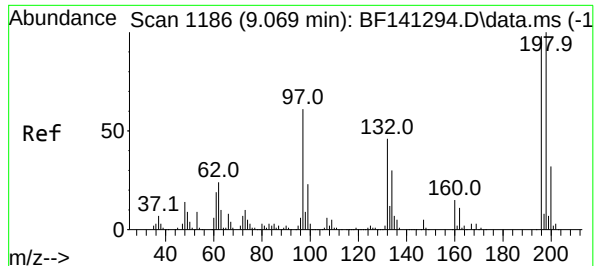
Tgt Ion:	237	Resp:	9555
Ion Ratio	Lower	Upper	
237	100		
235	64.3	42.9	82.9
272	12.5	0.0	32.8



#42
2,4,6-Tribromophenol
Concen: 10.855 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:	330	Resp:	27799
Ion Ratio	Lower	Upper	
330	100		
332	94.8	76.1	114.1
141	36.2	28.8	43.2





#43

2,4,6-Trichlorophenol

Concen: 5.136 ng

RT: 9.069 min Scan# 1186

Delta R.T. 0.000 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

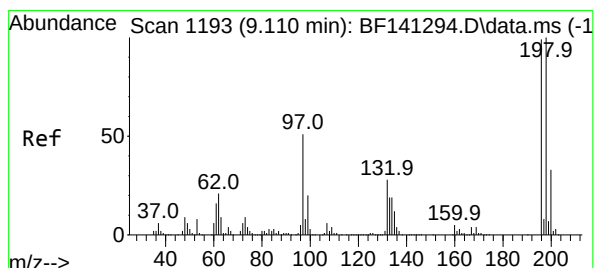
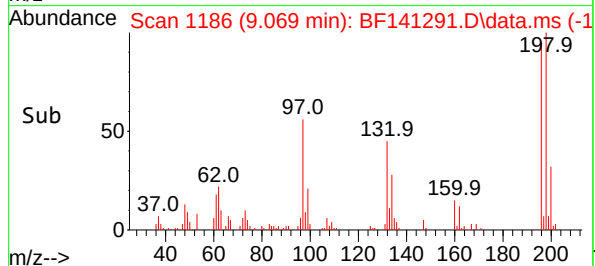
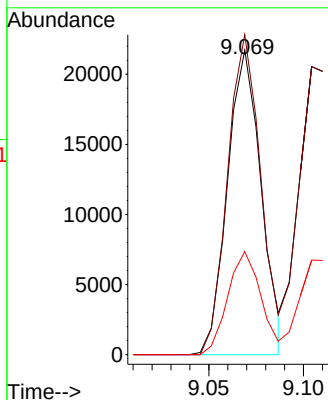
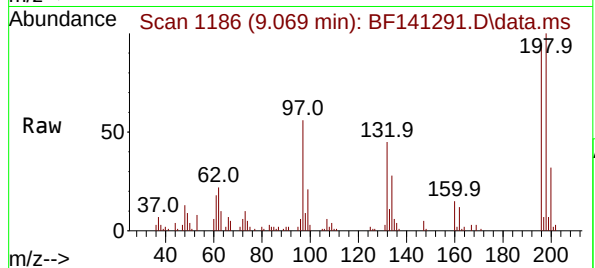
Tgt Ion:196 Resp: 26790

Ion Ratio Lower Upper

196 100

198 105.1 81.8 122.6

200 33.8 26.3 39.5



#44

2,4,5-Trichlorophenol

Concen: 5.309 ng

RT: 9.104 min Scan# 1192

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Tgt Ion:196 Resp: 30127

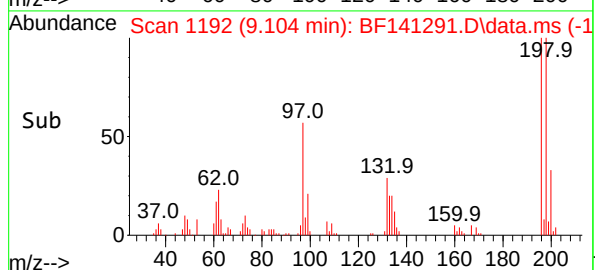
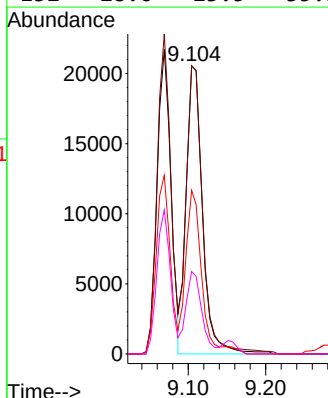
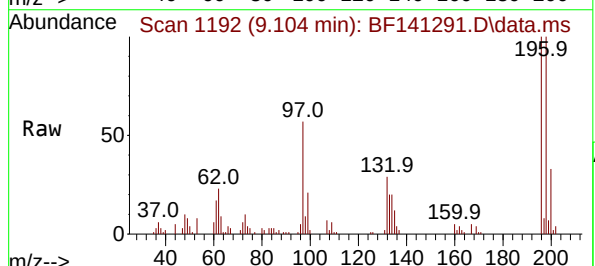
Ion Ratio Lower Upper

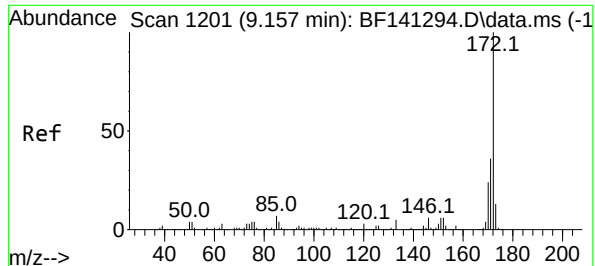
196 100

198 100.0 80.5 120.7

97 56.8 42.8 64.2

132 28.6 23.5 35.3





#45

2-Fluorobiphenyl

Concen: 12.320 ng

RT: 9.151 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

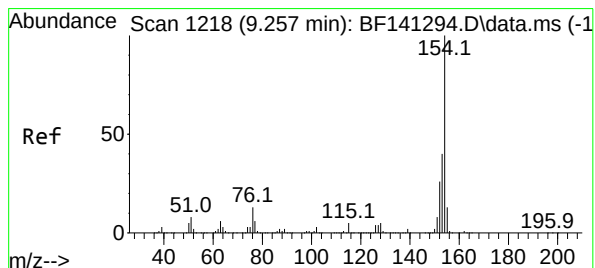
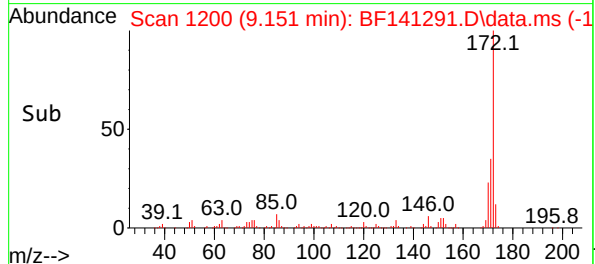
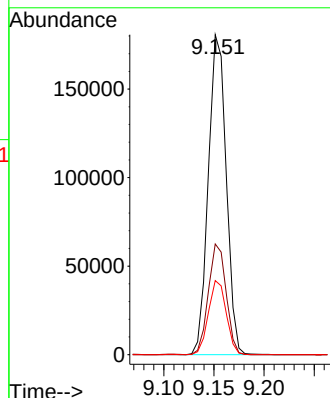
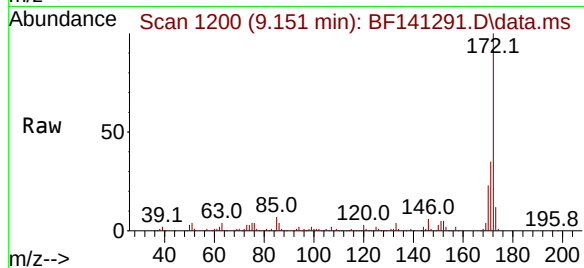
Tgt Ion:172 Resp: 224446

Ion Ratio Lower Upper

172 100

171 34.6 28.8 43.2

170 23.1 19.0 28.6



#46

1,1'-Biphenyl

Concen: 5.801 ng

RT: 9.257 min Scan# 1218

Delta R.T. 0.000 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

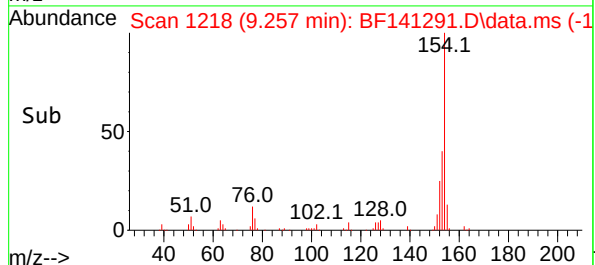
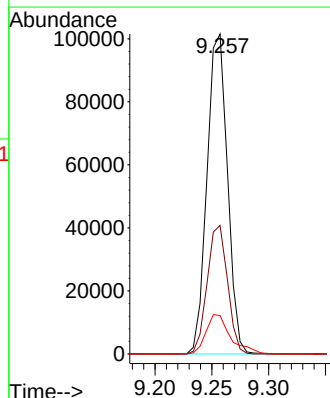
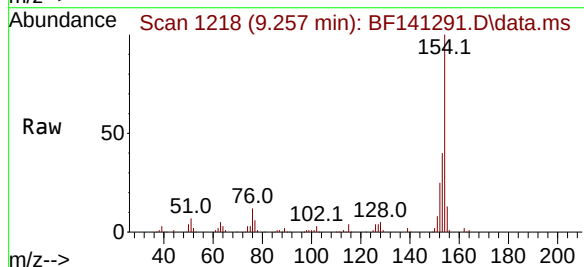
Tgt Ion:154 Resp: 127187

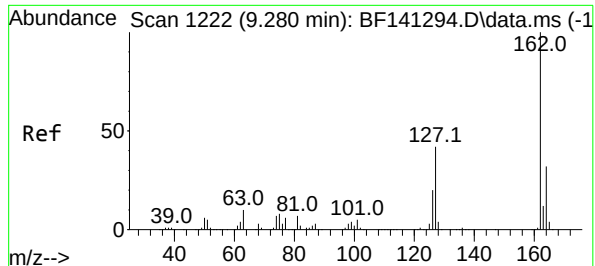
Ion Ratio Lower Upper

154 100

153 40.1 20.0 60.0

76 12.0 0.0 32.8





#47

2-Chloronaphthalene

Concen: 5.760 ng

RT: 9.281 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

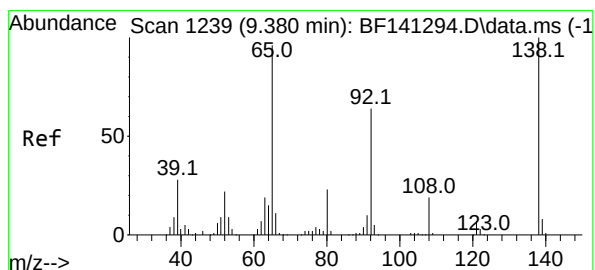
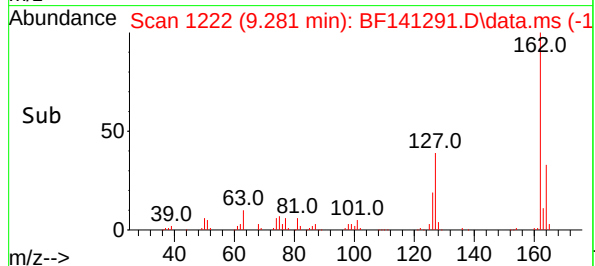
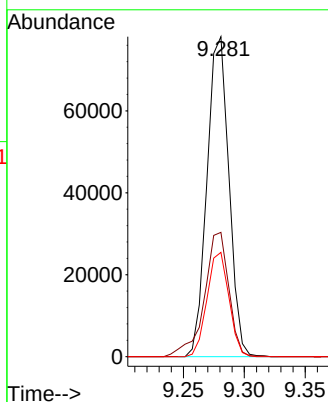
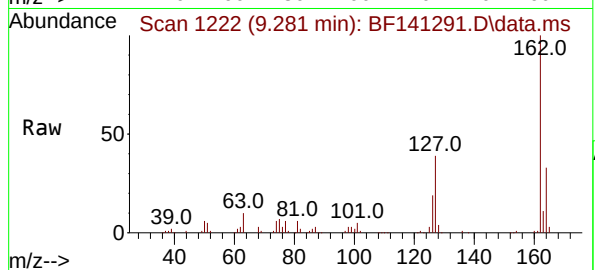
Tgt Ion:162 Resp: 98081

Ion Ratio Lower Upper

162 100

127 38.8 33.7 50.5

164 32.6 25.9 38.9



#48

2-Nitroaniline

Concen: 5.056 ng

RT: 9.375 min Scan# 1238

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

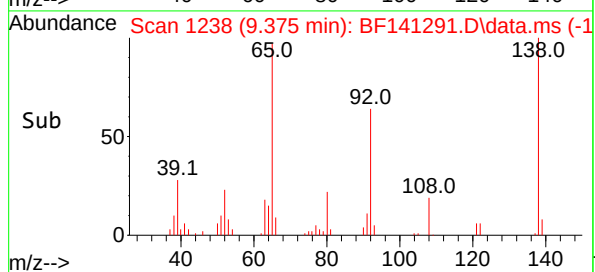
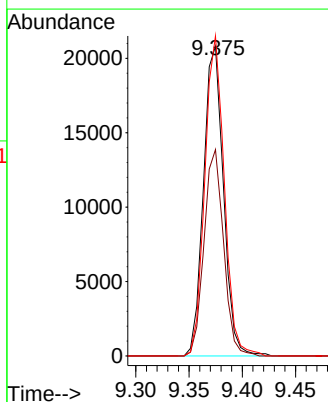
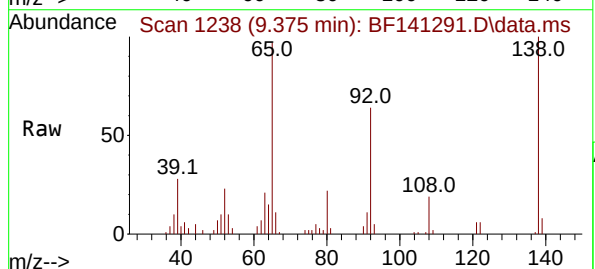
Tgt Ion: 65 Resp: 27154

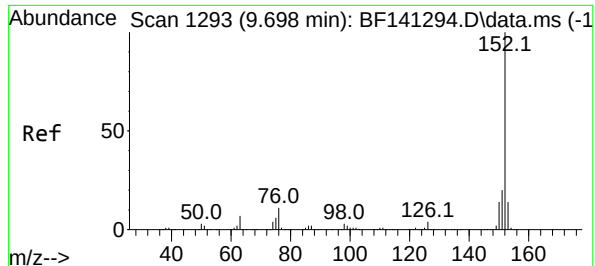
Ion Ratio Lower Upper

65 100

92 66.6 53.3 79.9

138 103.3 83.6 125.4





#49

Acenaphthylene

Concen: 5.643 ng

RT: 9.692 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

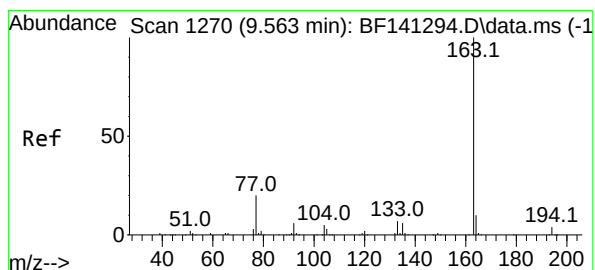
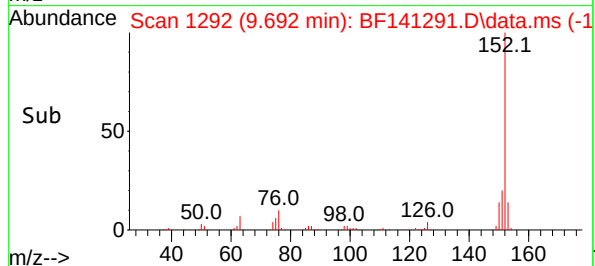
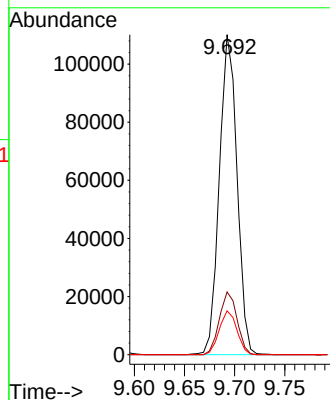
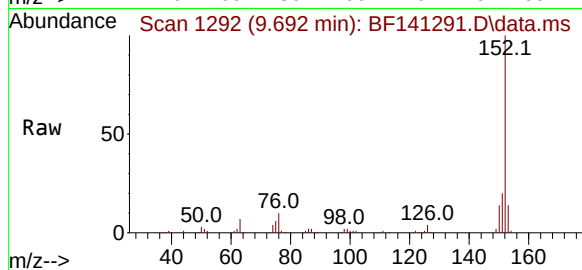
Tgt Ion:152 Resp: 134958

Ion Ratio Lower Upper

152 100

151 19.6 16.2 24.2

153 13.7 11.0 16.6



#50

Dimethylphthalate

Concen: 5.584 ng

RT: 9.551 min Scan# 1268

Delta R.T. -0.011 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

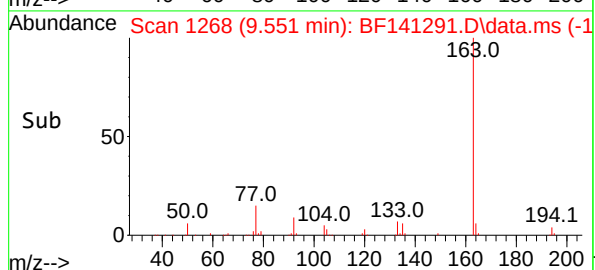
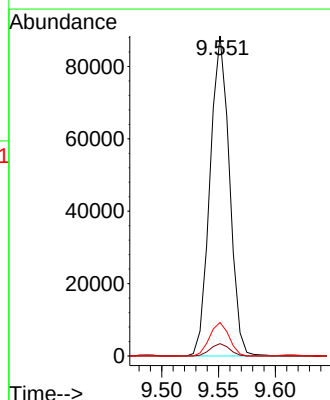
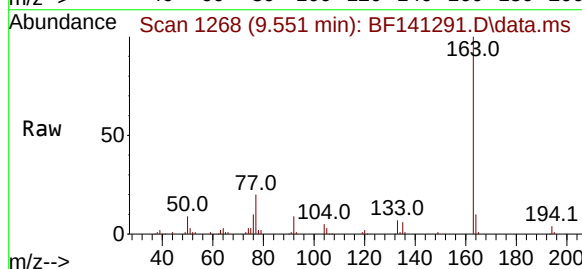
Tgt Ion:163 Resp: 105240

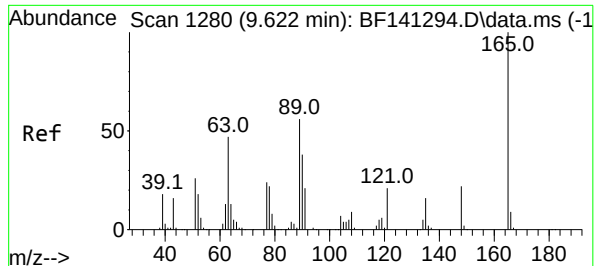
Ion Ratio Lower Upper

163 100

194 3.9 3.0 4.6

164 10.5 8.0 12.0





#51

2,6-Dinitrotoluene

Concen: 5.329 ng

RT: 9.616 min Scan# 1279

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

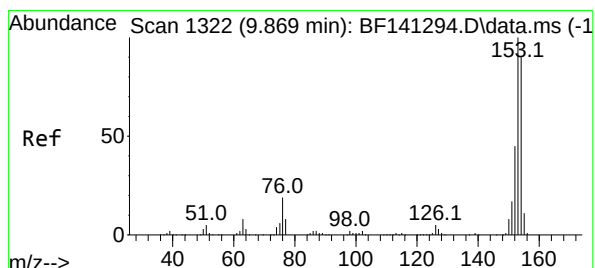
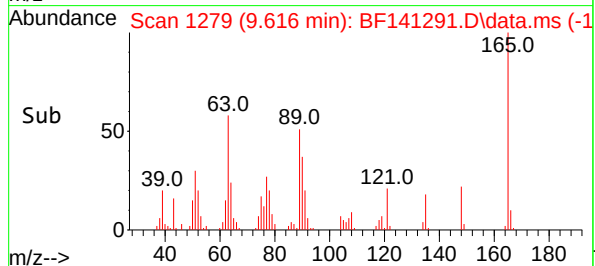
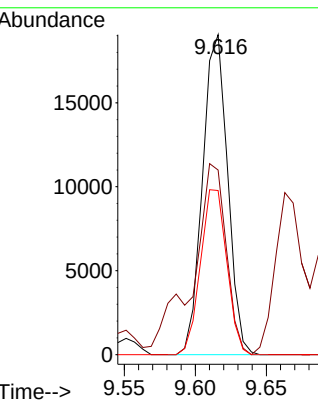
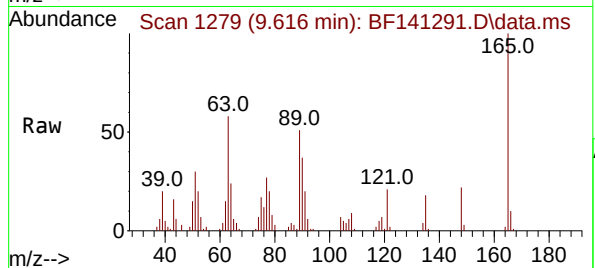
Tgt Ion:165 Resp: 23372

Ion Ratio Lower Upper

165 100

63 57.7 48.1 72.1

89 51.3 44.9 67.3



#52

Acenaphthene

Concen: 5.617 ng

RT: 9.869 min Scan# 1322

Delta R.T. 0.000 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

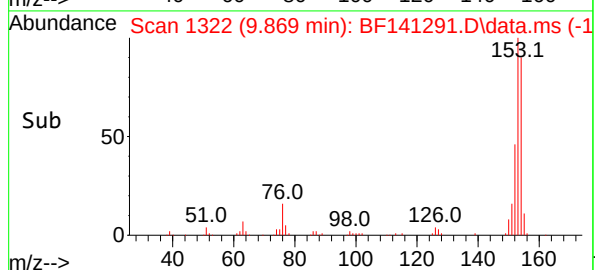
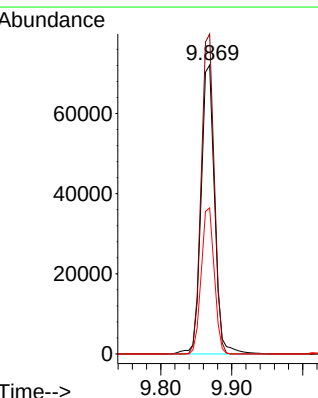
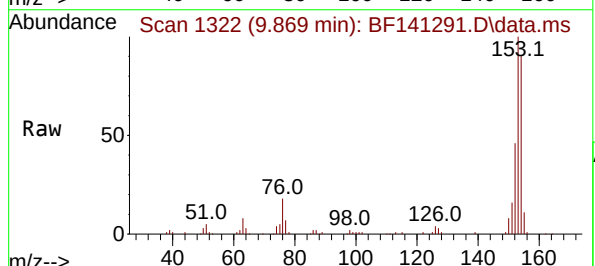
Tgt Ion:154 Resp: 95591

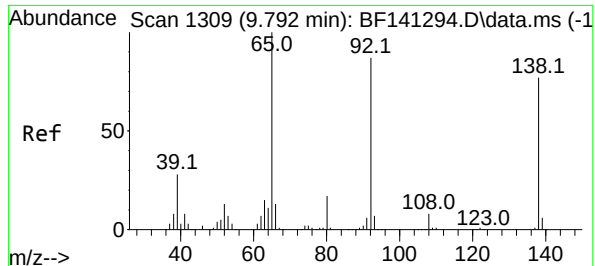
Ion Ratio Lower Upper

154 100

153 110.8 89.0 133.4

152 50.6 40.2 60.4

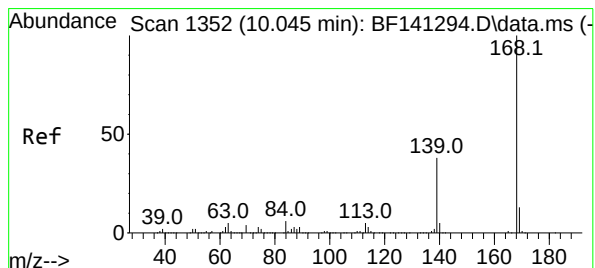
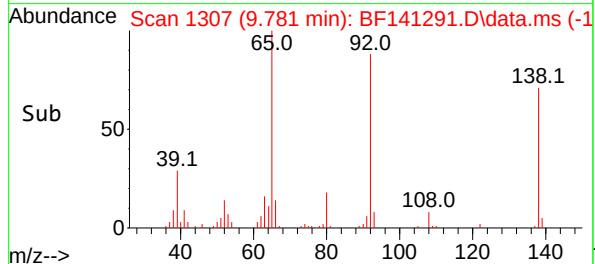
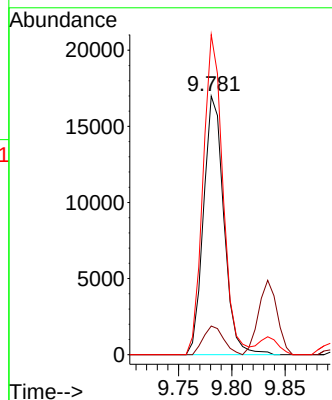
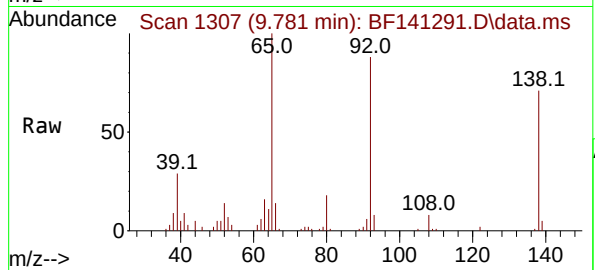




#53
3-Nitroaniline
Concen: 5.206 ng
RT: 9.781 min Scan# 1307
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

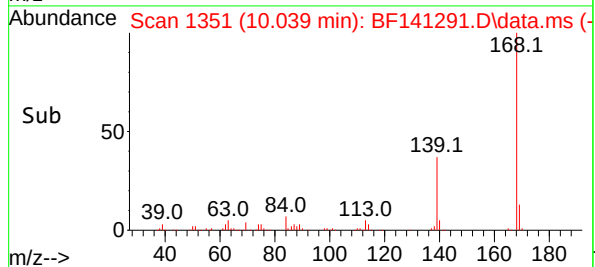
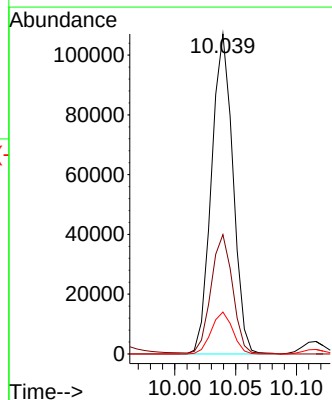
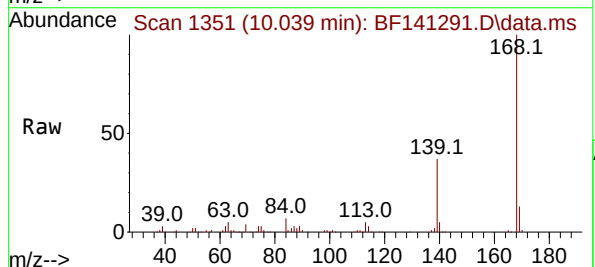
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

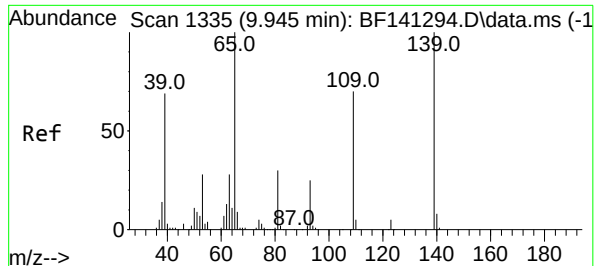
Tgt Ion:138 Resp: 22582
Ion Ratio Lower Upper
138 100
108 11.1 8.6 12.8
92 123.7 91.0 136.6



#55
Dibenzofuran
Concen: 5.769 ng
RT: 10.039 min Scan# 1351
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:168 Resp: 131288
Ion Ratio Lower Upper
168 100
139 37.3 30.6 46.0
169 13.1 10.8 16.2





#56

4-Nitrophenol

Concen: 4.226 ng

RT: 9.945 min Scan# 1335

Delta R.T. 0.000 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

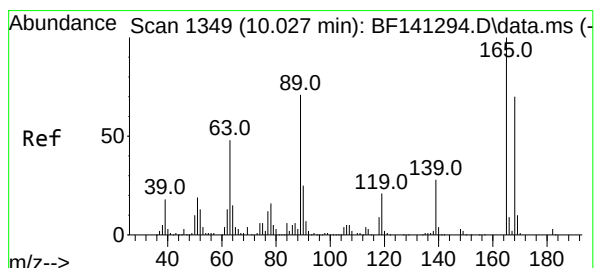
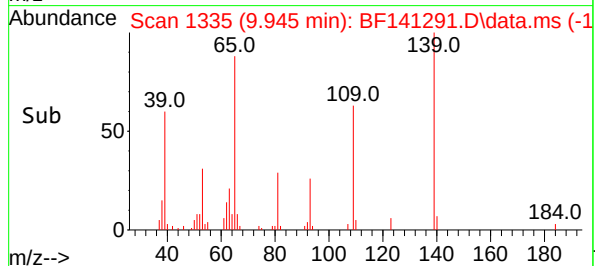
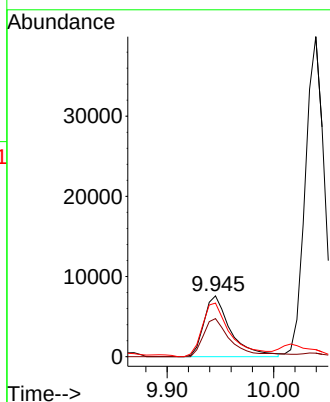
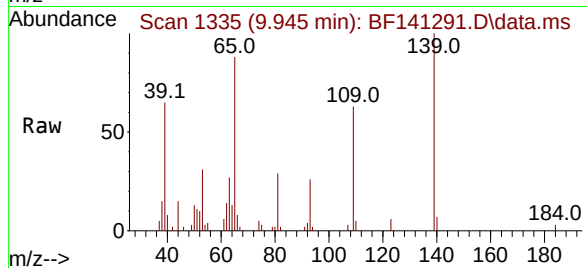
Tgt Ion:139 Resp: 13160

Ion Ratio Lower Upper

139 100

109 62.7 50.2 90.2

65 88.2 80.6 120.6



#57

2,4-Dinitrotoluene

Concen: 5.268 ng

RT: 10.016 min Scan# 1347

Delta R.T. -0.011 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Tgt Ion:165 Resp: 29799

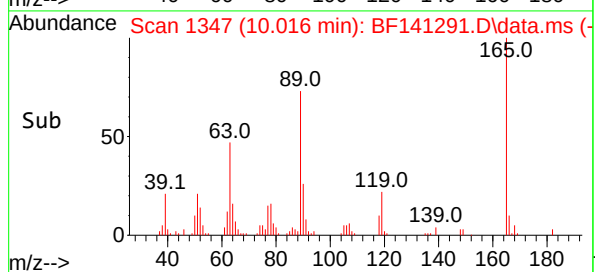
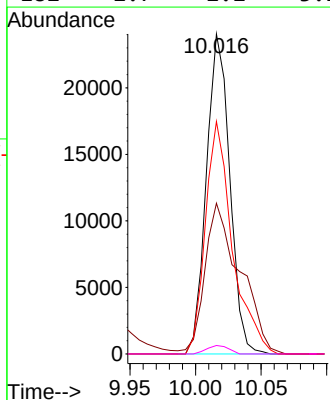
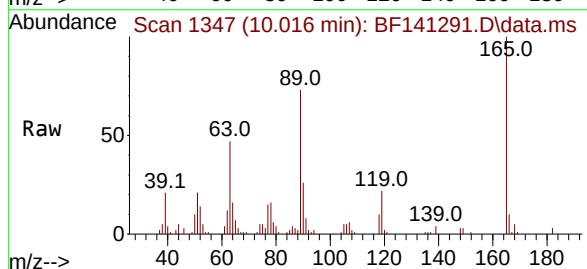
Ion Ratio Lower Upper

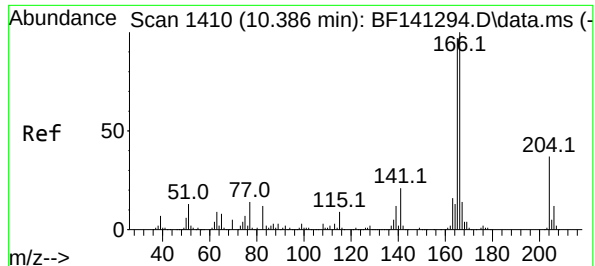
165 100

63 47.1 39.2 58.8

89 72.7 56.9 85.3

182 2.7 2.2 3.2





#58

Fluorene

Concen: 6.002 ng

RT: 10.381 min Scan# 1410

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

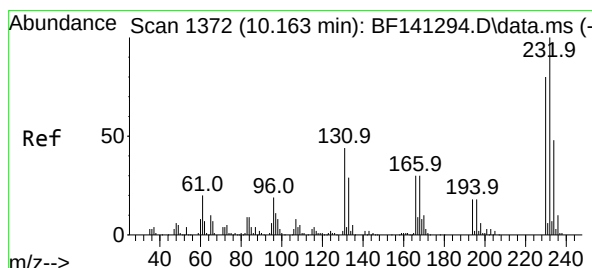
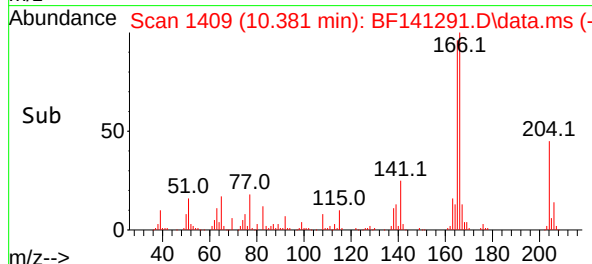
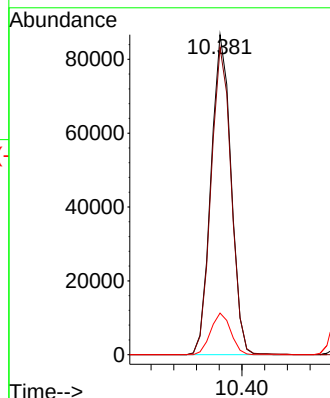
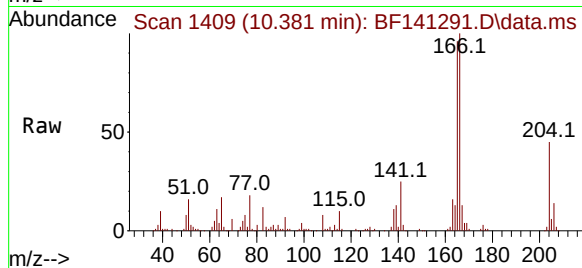
Tgt Ion:166 Resp: 106198

Ion Ratio Lower Upper

166 100

165 96.0 77.5 116.3

167 13.0 10.9 16.3



#59

2,3,4,6-Tetrachlorophenol

Concen: 5.090 ng

RT: 10.157 min Scan# 1371

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Tgt Ion:232 Resp: 22818

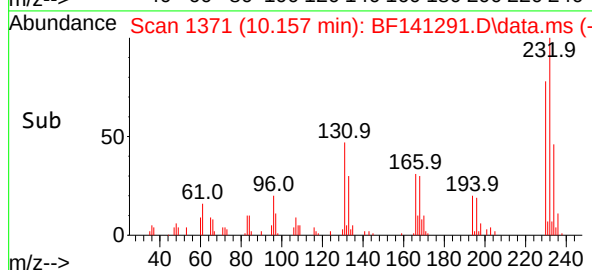
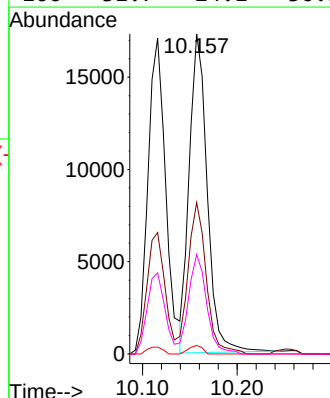
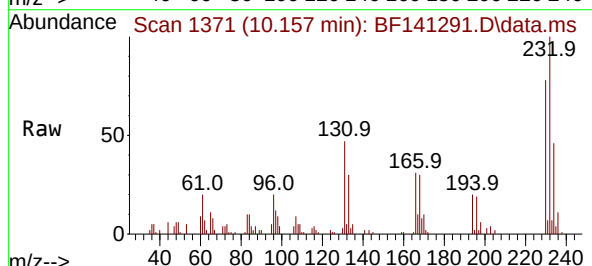
Ion Ratio Lower Upper

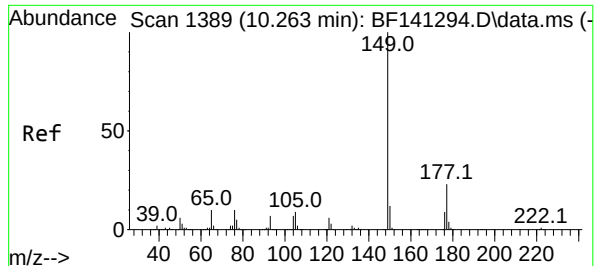
232 100

131 48.3 36.4 54.6

130 2.1 1.9 2.9

166 31.7 24.1 36.1





#60

Diethylphthalate

Concen: 5.660 ng

RT: 10.251 min Scan# 11

Delta R.T. -0.011 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

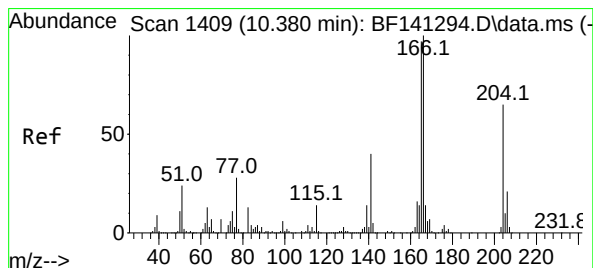
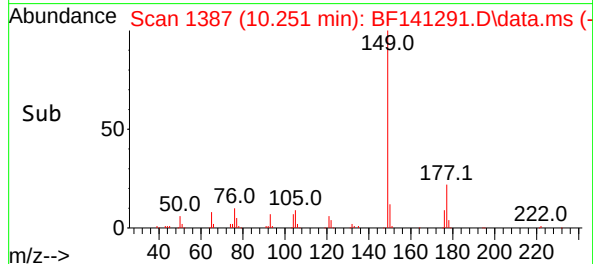
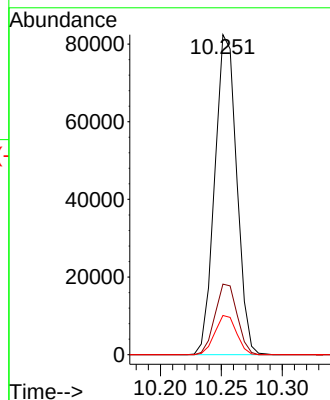
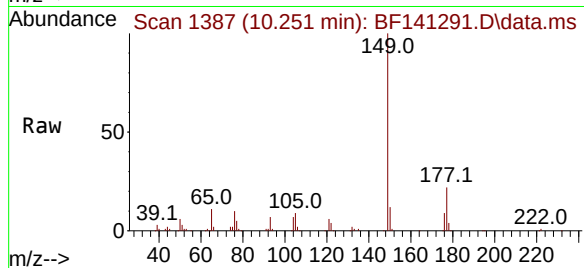
Tgt Ion:149 Resp: 103307

Ion Ratio Lower Upper

149 100

177 22.1 18.5 27.7

150 12.3 10.0 15.0



#61

4-Chlorophenyl-phenylether

Concen: 6.007 ng

RT: 10.375 min Scan# 1408

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

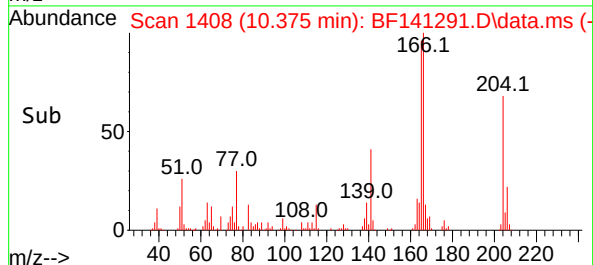
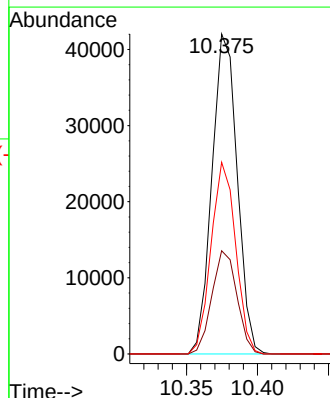
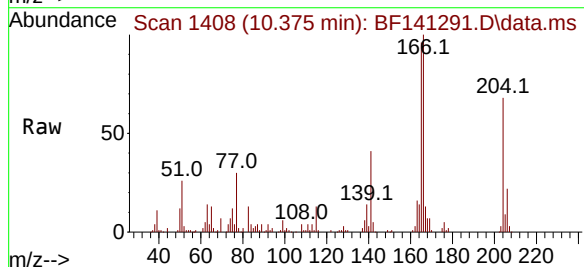
Tgt Ion:204 Resp: 51875

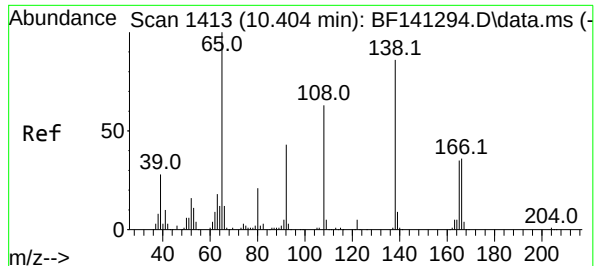
Ion Ratio Lower Upper

204 100

206 32.3 25.9 38.9

141 59.9 49.5 74.3

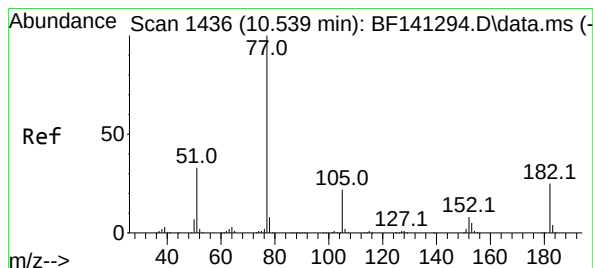
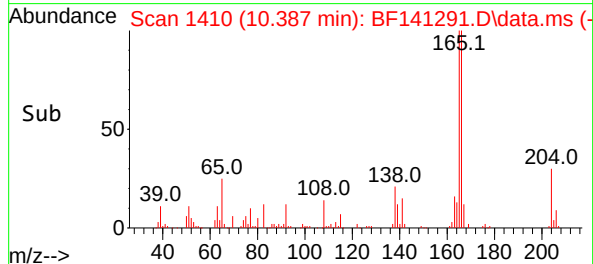
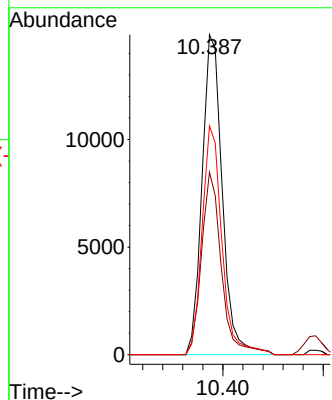
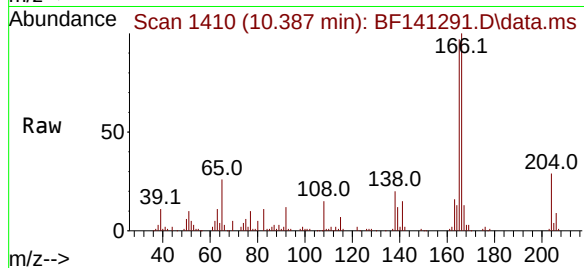




#62
4-Nitroaniline
Concen: 5.008 ng
RT: 10.387 min Scan# 1413
Delta R.T. -0.017 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

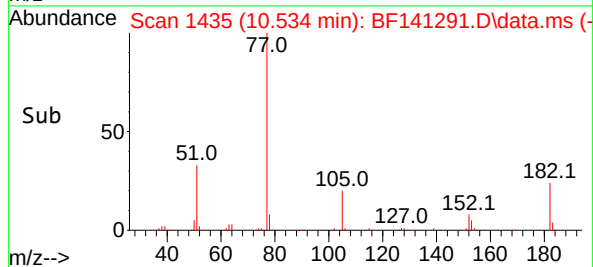
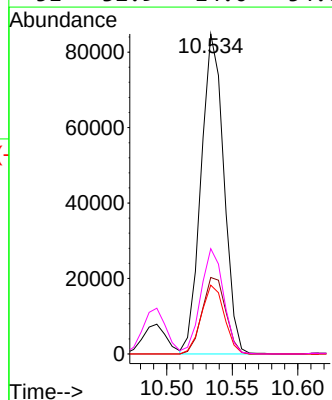
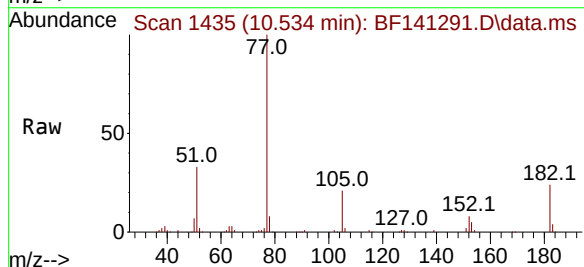
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

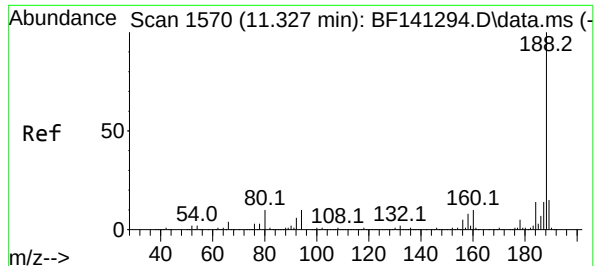
Tgt Ion:138 Resp: 20870
Ion Ratio Lower Upper
138 100
92 57.0 30.1 70.1
108 71.5 53.1 93.1



#63
Azobenzene
Concen: 5.623 ng
RT: 10.534 min Scan# 1435
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion: 77 Resp: 102878
Ion Ratio Lower Upper
77 100
182 23.9 5.1 45.1
105 21.5 1.8 41.8
51 32.9 14.0 54.0

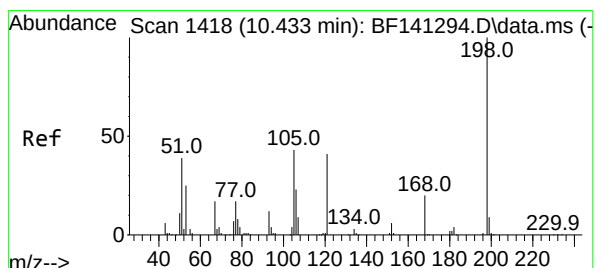
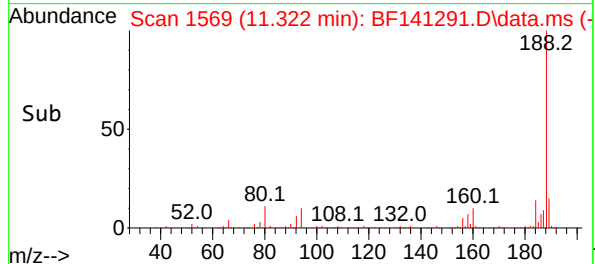
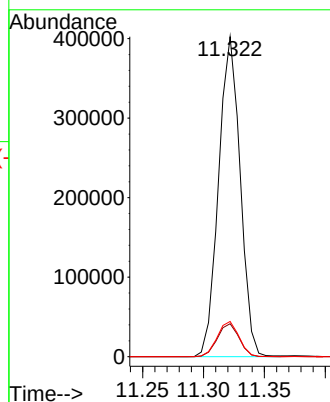
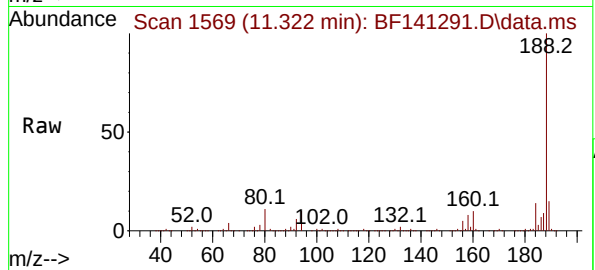




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

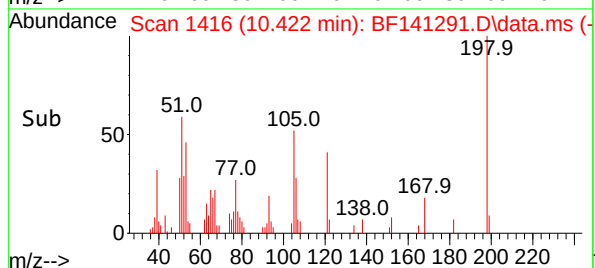
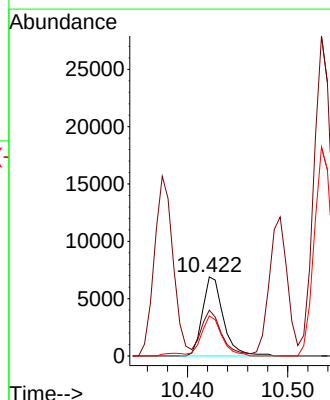
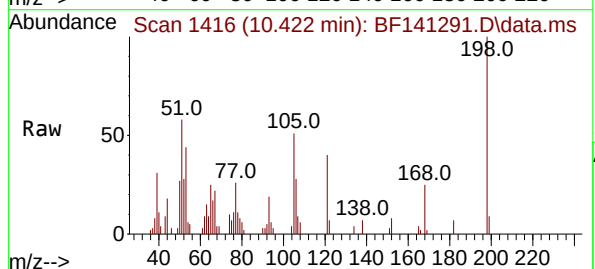
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

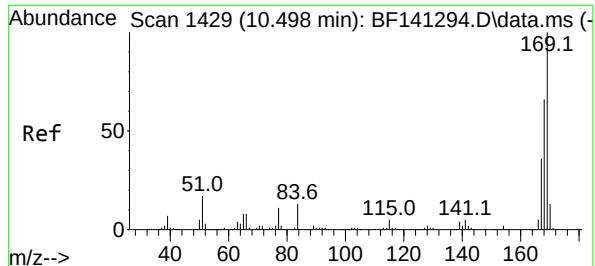
Tgt Ion:188 Resp: 497368
Ion Ratio Lower Upper
188 100
94 10.3 7.8 11.6
80 11.0 8.2 12.4



#65
4,6-Dinitro-2-methylphenol
Concen: 3.353 ng
RT: 10.422 min Scan# 1416
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:198 Resp: 9960
Ion Ratio Lower Upper
198 100
51 57.8 33.4 73.4
105 50.6 24.4 64.4

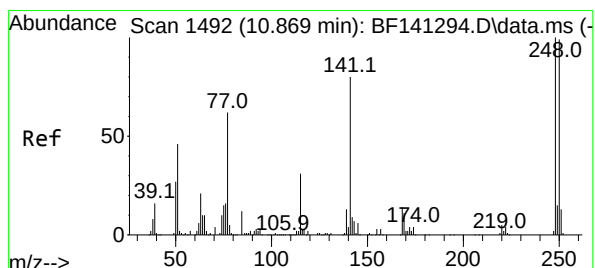
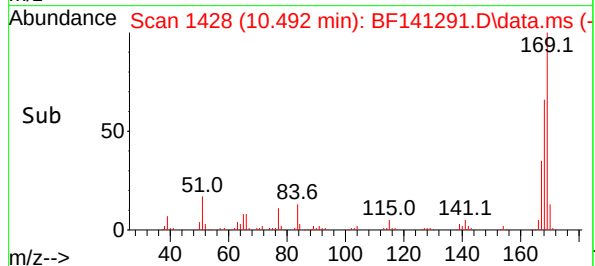
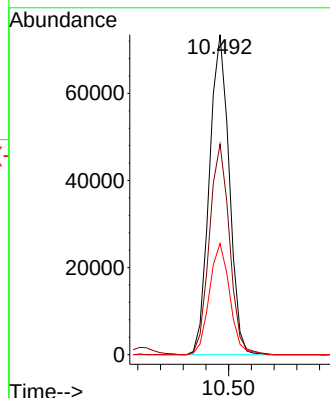
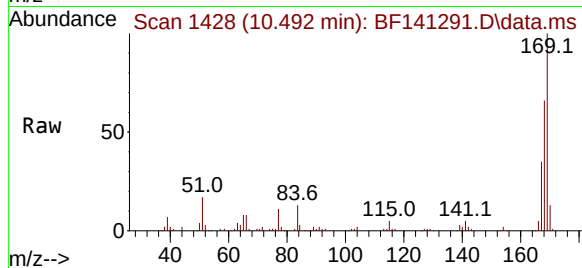




#66
n-Nitrosodiphenylamine
Concen: 5.523 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

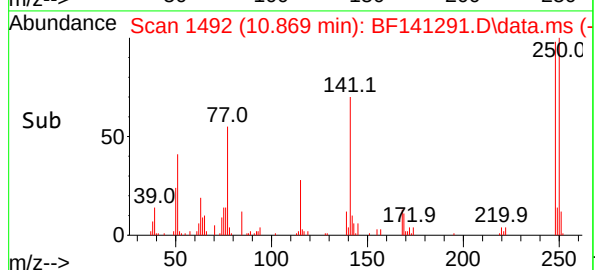
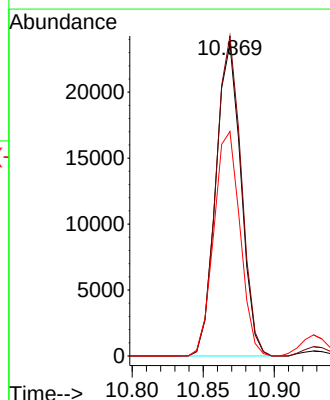
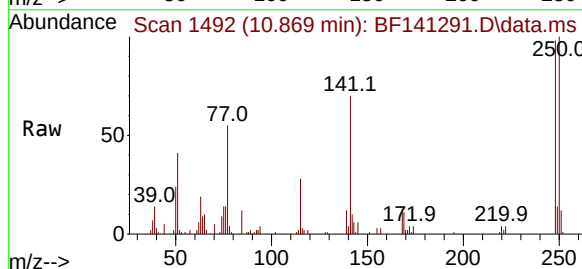
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

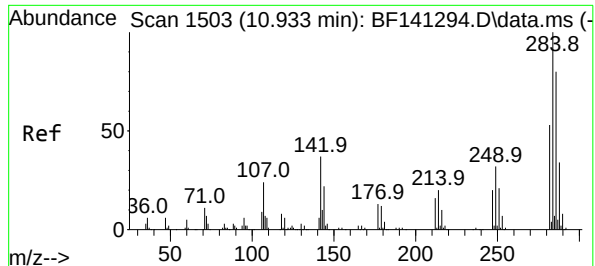
Tgt Ion:169 Resp: 89060
Ion Ratio Lower Upper
169 100
168 65.8 53.0 79.4
167 34.7 28.8 43.2



#67
4-Bromophenyl-phenylether
Concen: 5.245 ng
RT: 10.869 min Scan# 1492
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

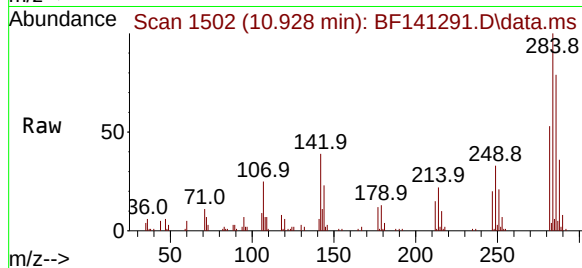
Tgt Ion:248 Resp: 29160
Ion Ratio Lower Upper
248 100
250 102.5 79.0 118.4
141 71.9 63.7 95.5



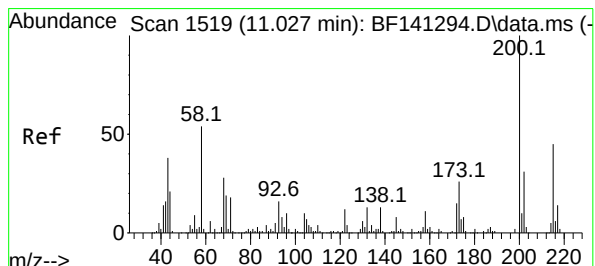
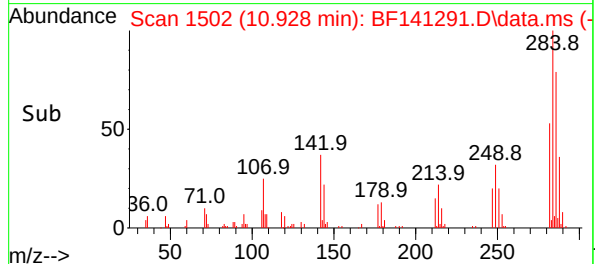
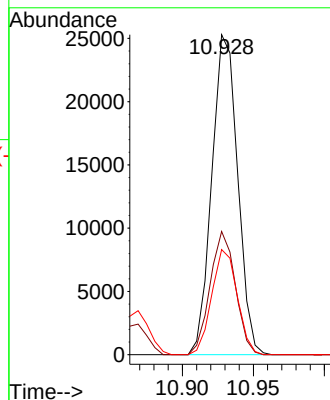


#68
Hexachlorobenzene
Concen: 5.424 ng
RT: 10.928 min Scan# 1502
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

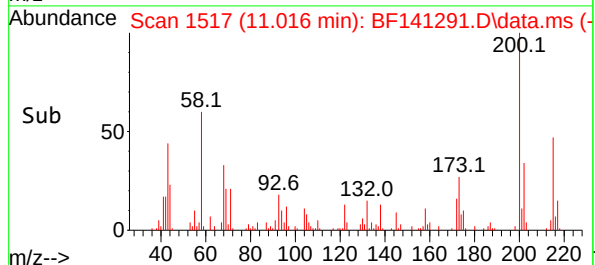
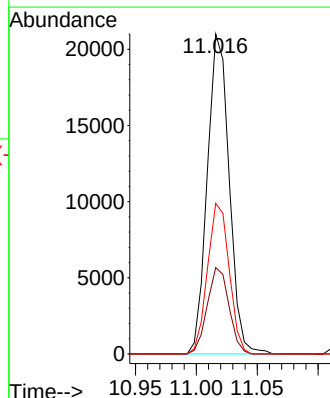
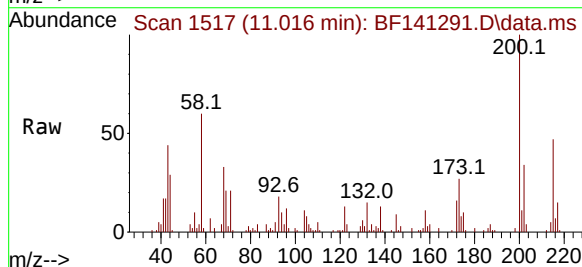


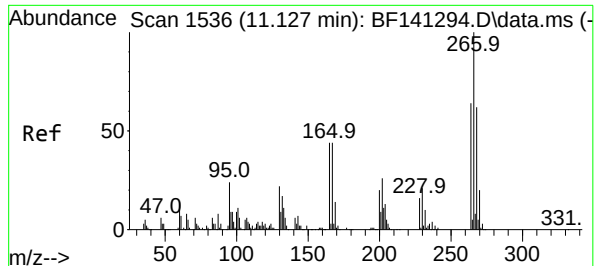
Tgt Ion:284 Resp: 31990
Ion Ratio Lower Upper
284 100
142 38.5 29.5 44.3
249 32.8 25.4 38.2



#69
Atrazine
Concen: 4.855 ng
RT: 11.016 min Scan# 1517
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:200 Resp: 26258
Ion Ratio Lower Upper
200 100
173 27.0 5.9 45.9
215 47.0 25.2 65.2

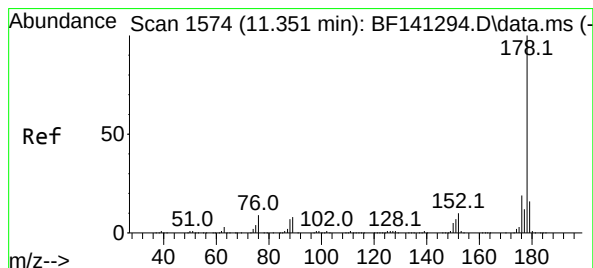
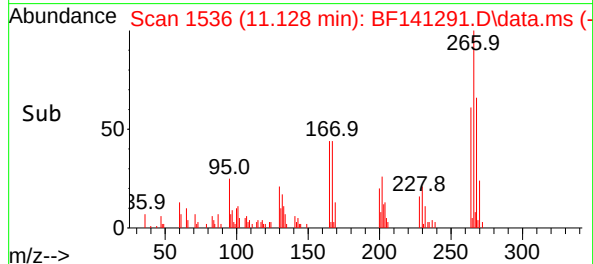
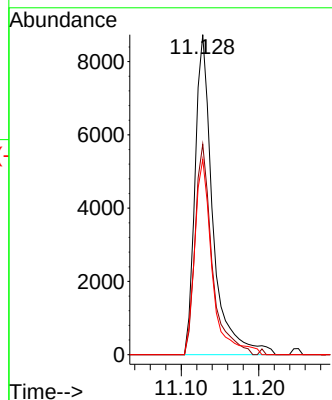
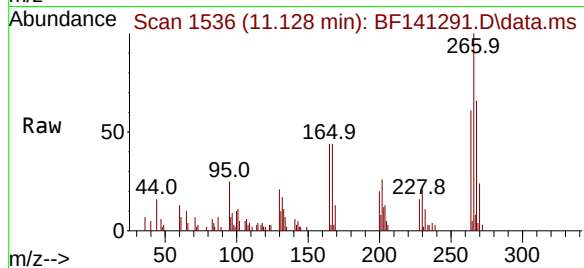




#70
Pentachlorophenol
Concen: 4.027 ng
RT: 11.128 min Scan# 1536
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

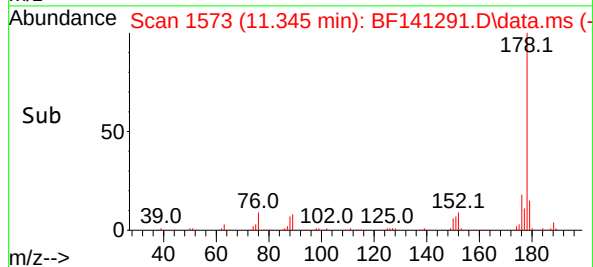
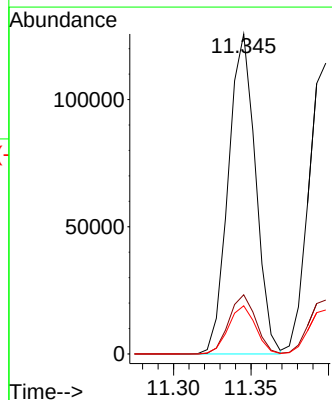
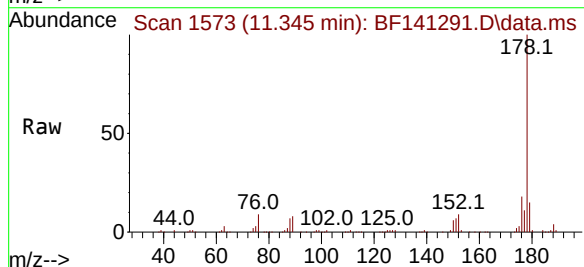
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

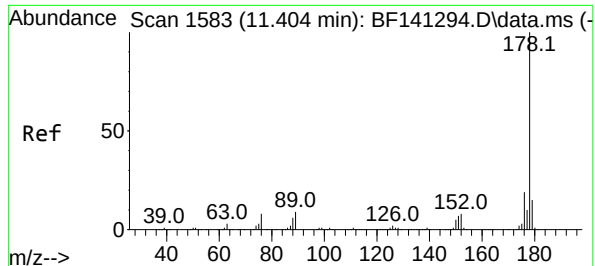
Tgt Ion:266 Resp: 13924
Ion Ratio Lower Upper
266 100
268 65.7 49.9 74.9
264 61.1 51.0 76.4



#71
Phenanthrene
Concen: 5.738 ng
RT: 11.345 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:178 Resp: 153320
Ion Ratio Lower Upper
178 100
176 18.5 15.3 22.9
179 15.0 12.5 18.7

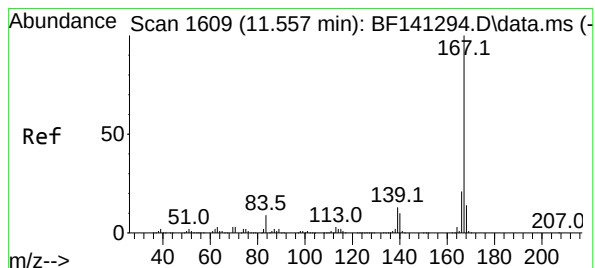
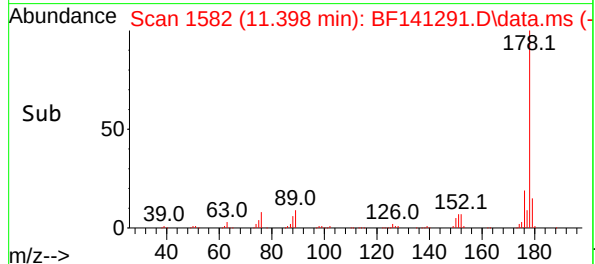
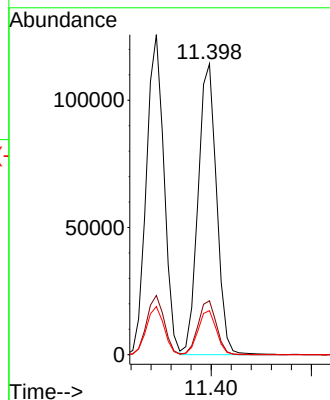
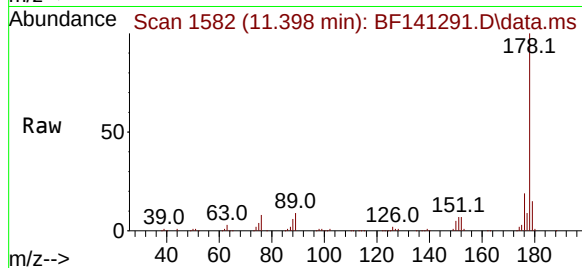




#72
Anthracene
Concen: 5.625 ng
RT: 11.398 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

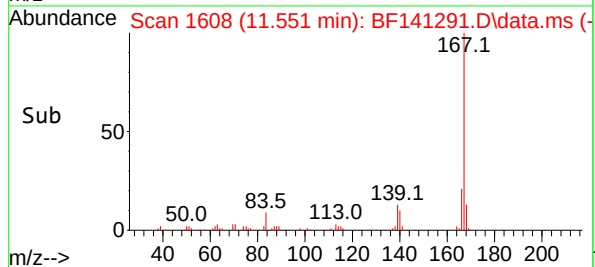
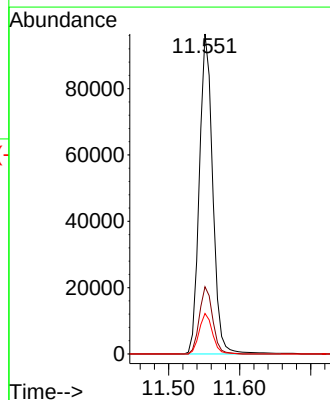
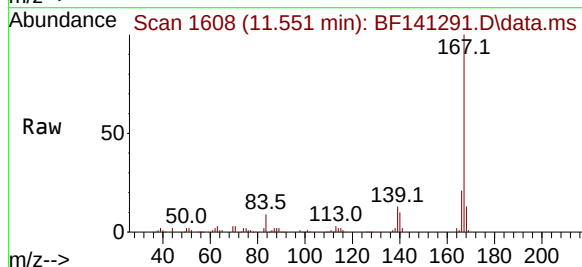
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

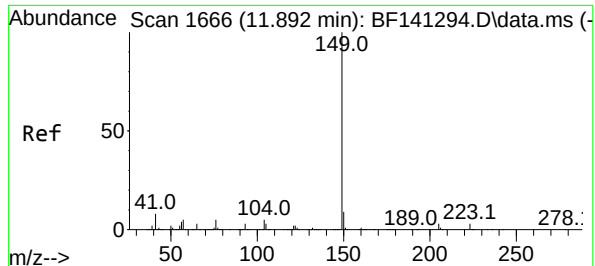
Tgt Ion:178 Resp: 146593
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.6
179 15.1 12.3 18.5



#73
Carbazole
Concen: 5.491 ng
RT: 11.551 min Scan# 1608
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:167 Resp: 126760
Ion Ratio Lower Upper
167 100
166 21.0 17.0 25.6
139 12.6 10.6 16.0

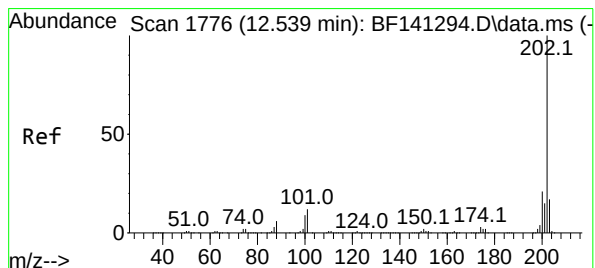
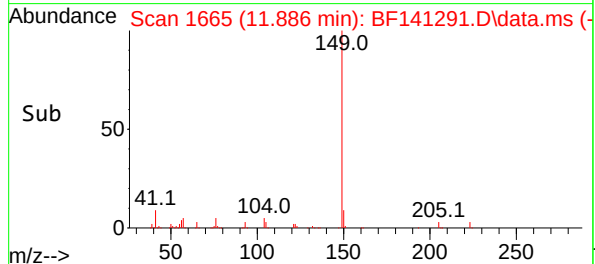
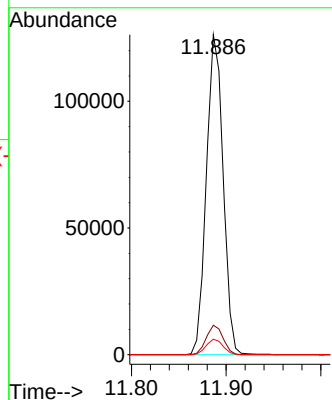
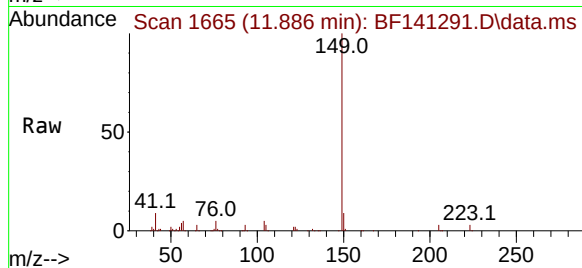




#74
Di-n-butylphthalate
Concen: 5.560 ng
RT: 11.886 min Scan# 1665
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

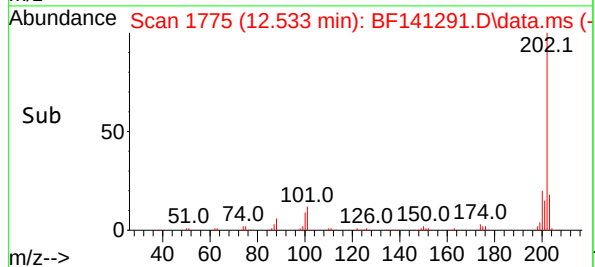
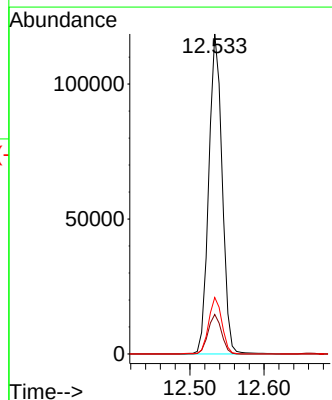
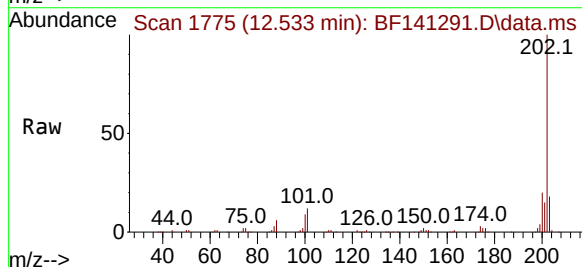
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

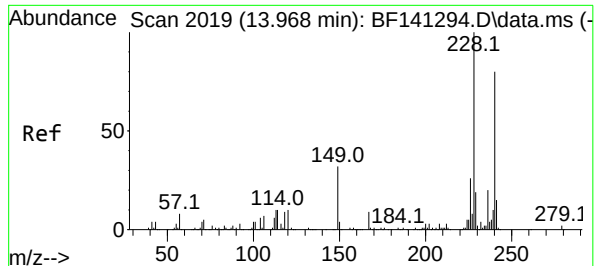
Tgt Ion:149 Resp: 154718
Ion Ratio Lower Upper
149 100
150 9.2 7.4 11.2
104 4.9 3.9 5.9



#75
Fluoranthene
Concen: 5.696 ng
RT: 12.533 min Scan# 1775
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:202 Resp: 148553
Ion Ratio Lower Upper
202 100
101 12.4 0.0 31.7
203 17.6 0.0 37.5

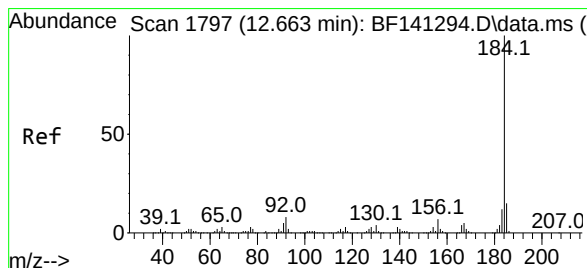
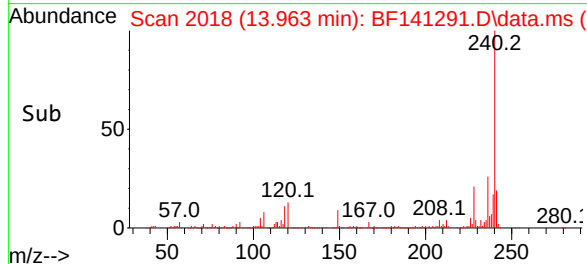
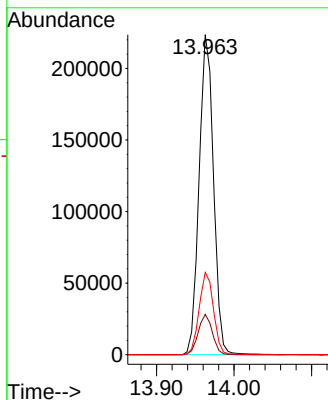
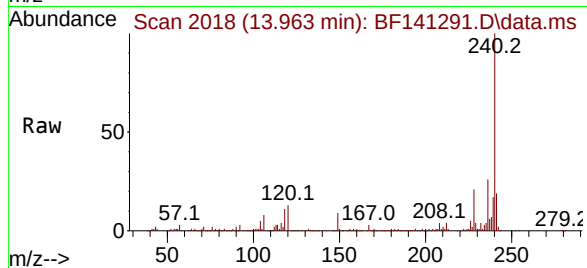




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

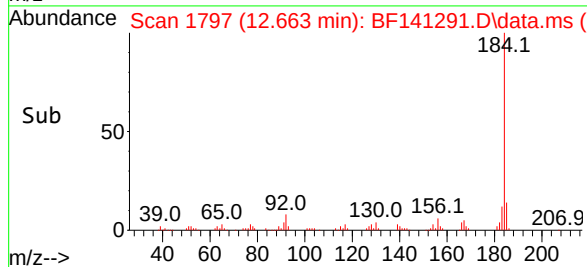
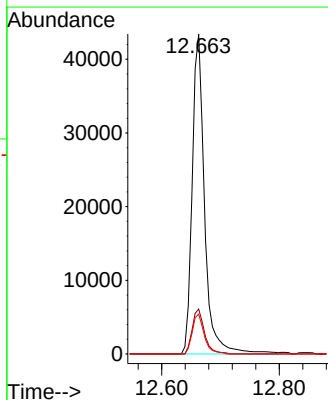
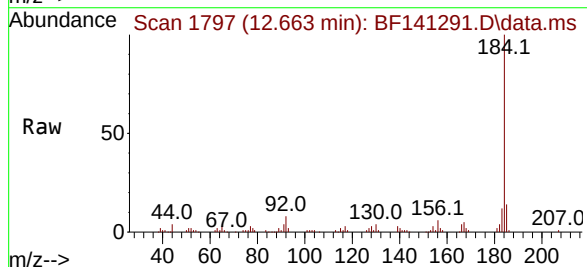
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

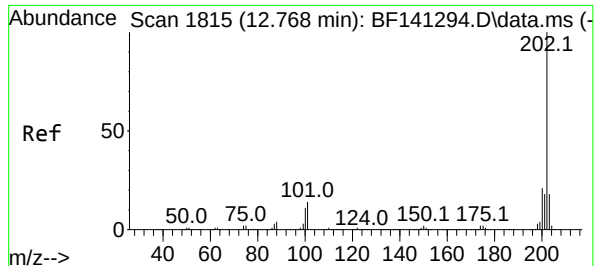
Tgt Ion:240 Resp: 288657
Ion Ratio Lower Upper
240 100
120 12.6 10.0 15.0
236 25.7 19.7 29.5



#77
Benzidine
Concen: 7.253 ng
RT: 12.663 min Scan# 1797
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:184 Resp: 63661
Ion Ratio Lower Upper
184 100
185 14.1 11.9 17.9
183 12.4 9.5 14.3

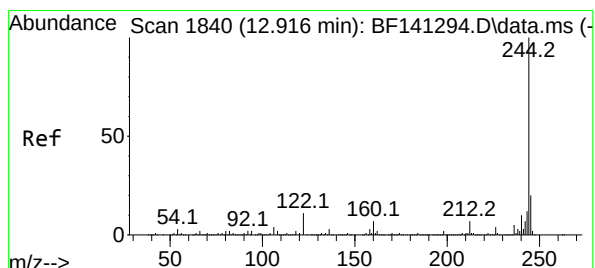
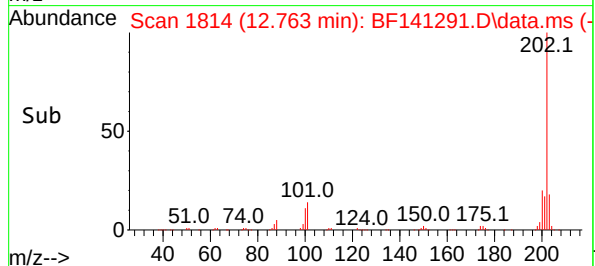
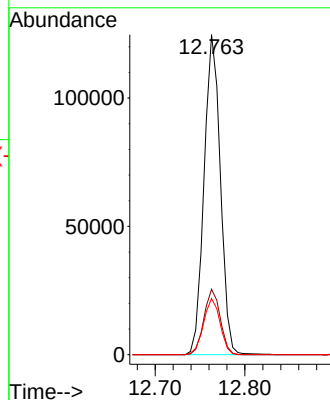
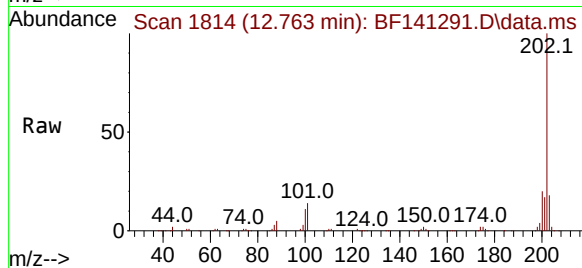




#78
Pyrene
Concen: 5.639 ng
RT: 12.763 min Scan# 1814
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

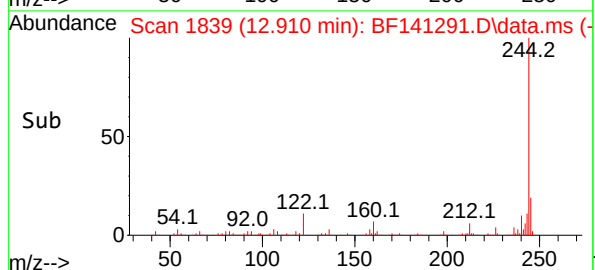
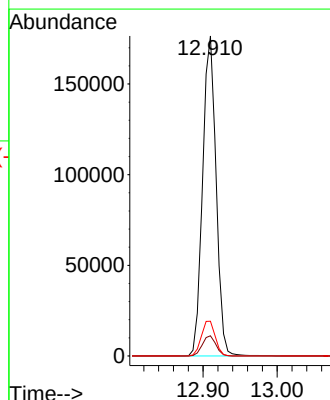
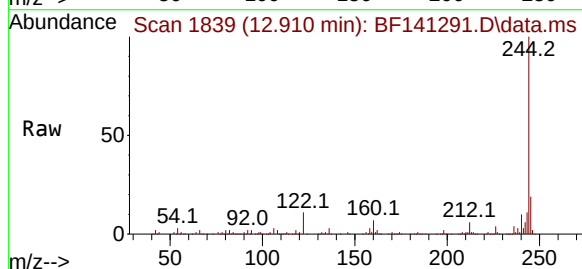
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

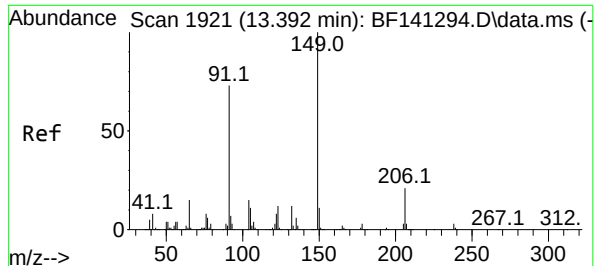
Tgt Ion:202 Resp: 157175
Ion Ratio Lower Upper
202 100
200 20.4 17.0 25.4
203 17.6 14.3 21.5



#79
Terphenyl-d14
Concen: 11.874 ng
RT: 12.910 min Scan# 1839
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:244 Resp: 222747
Ion Ratio Lower Upper
244 100
212 6.3 5.4 8.0
122 10.9 8.8 13.2





#80

Butylbenzylphthalate

Concen: 5.140 ng

RT: 13.386 min Scan# 1921

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

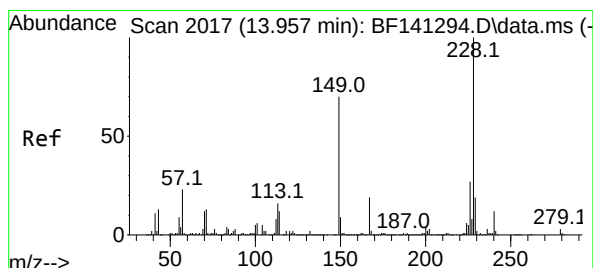
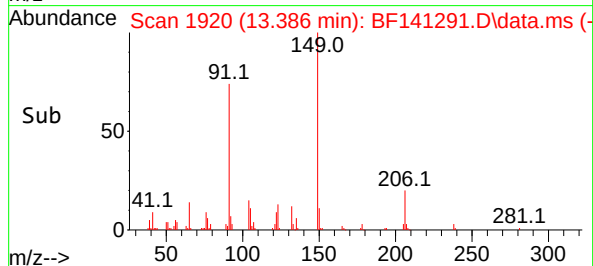
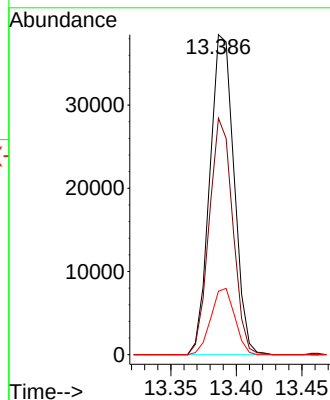
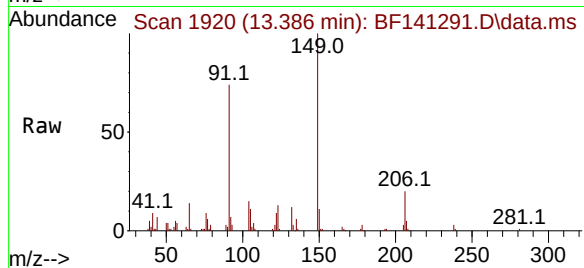
Tgt Ion:149 Resp: 49477

Ion Ratio Lower Upper

149 100

91 73.9 58.6 87.8

206 19.9 16.7 25.1



#81

Benzo(a)anthracene

Concen: 5.588 ng

RT: 13.951 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

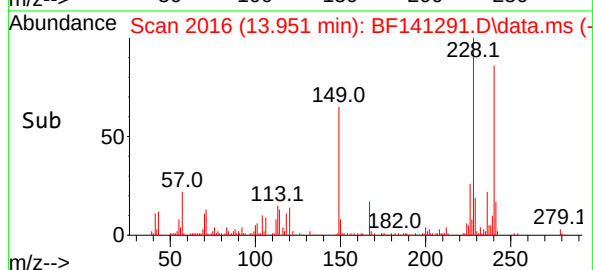
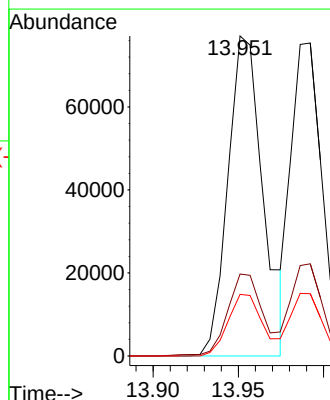
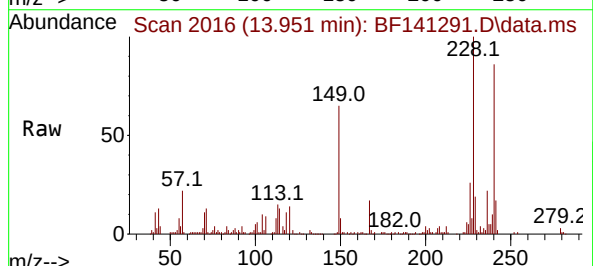
Tgt Ion:228 Resp: 110559

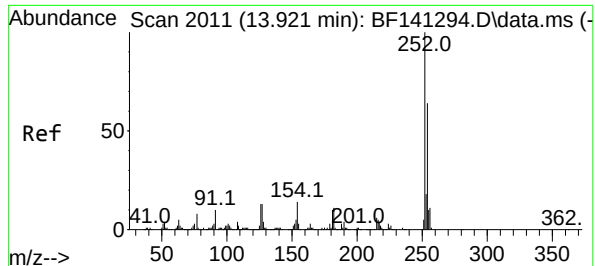
Ion Ratio Lower Upper

228 100

226 25.6 21.4 32.2

229 19.3 15.5 23.3

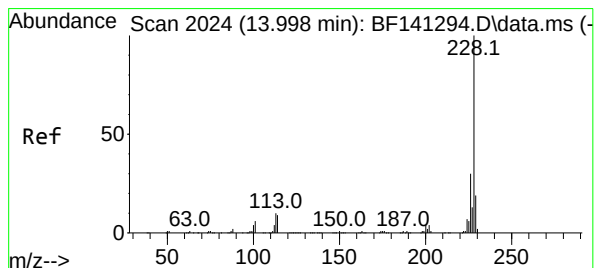
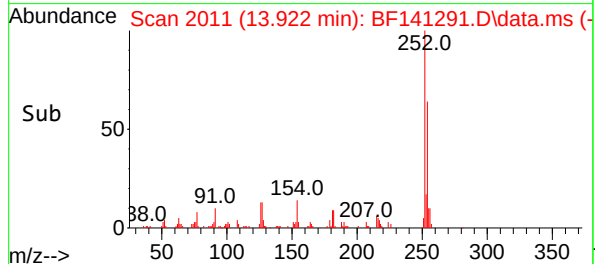
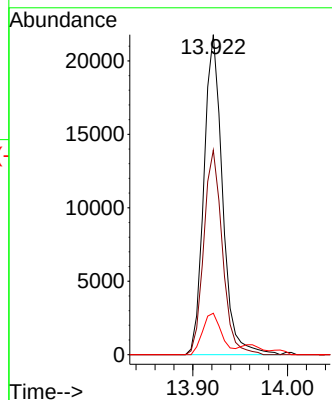
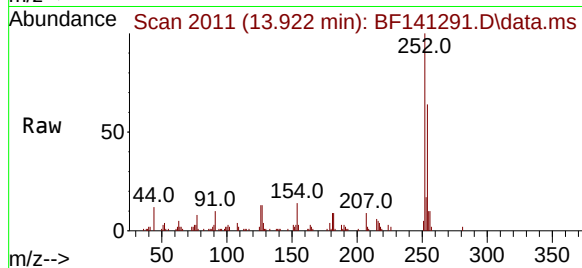




#82
3,3'-Dichlorobenzidine
Concen: 4.803 ng
RT: 13.922 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

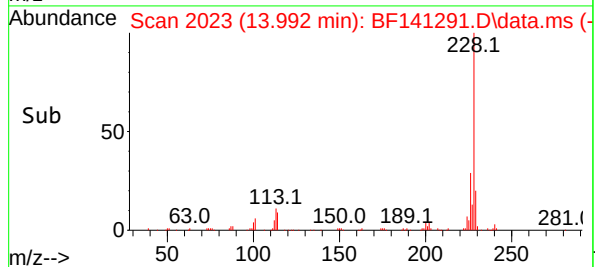
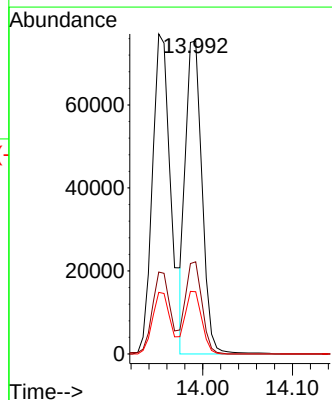
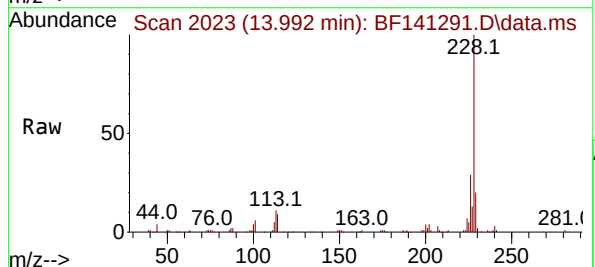
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

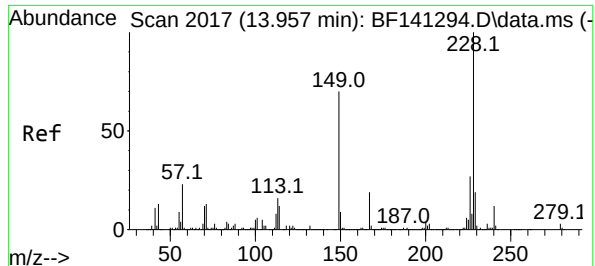
Tgt Ion	Ratio	Lower	Upper
252	100		
254	63.9	51.3	76.9
126	13.0	10.0	15.0



#83
Chrysene
Concen: 5.238 ng
RT: 13.992 min Scan# 2023
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.1	36.1
229	19.9	15.6	23.4

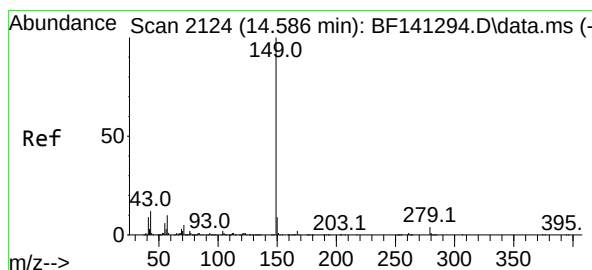
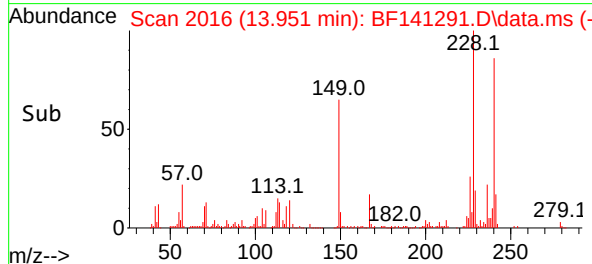
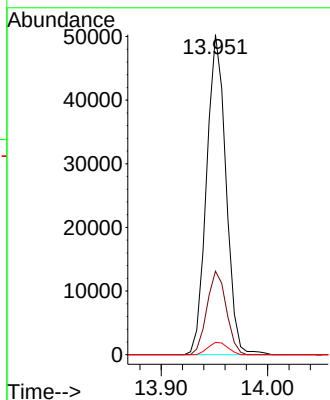
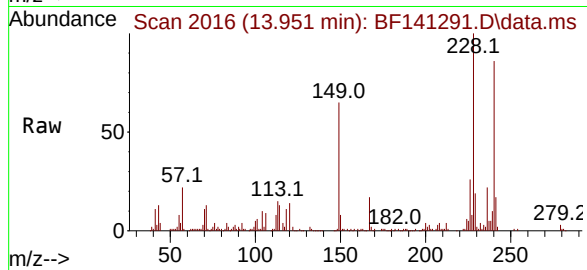




#84
Bis(2-ethylhexyl)phthalate
Concen: 5.269 ng
RT: 13.951 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

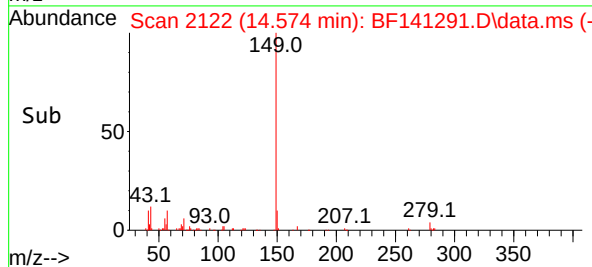
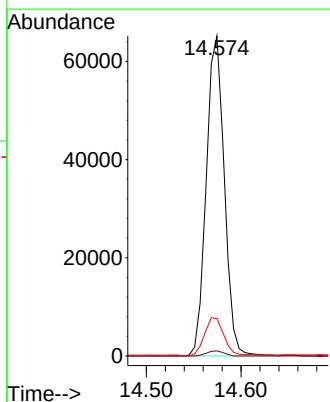
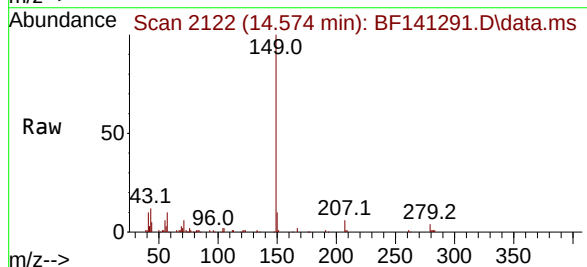
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

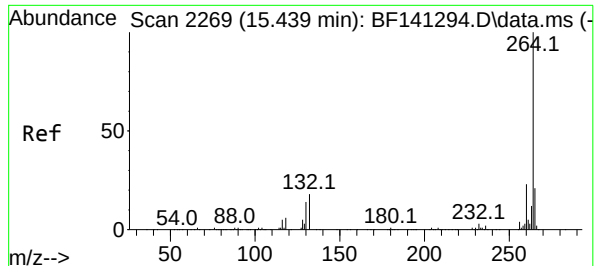
Tgt Ion:149 Resp: 63638
Ion Ratio Lower Upper
149 100
167 26.1 21.8 32.8
279 3.9 3.3 4.9



#85
Di-n-octyl phthalate
Concen: 4.560 ng
RT: 14.574 min Scan# 2122
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:149 Resp: 86163
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 13.3 9.8 14.8

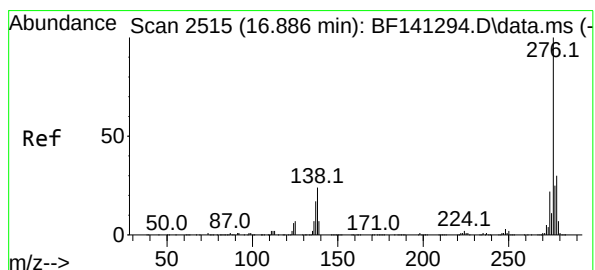
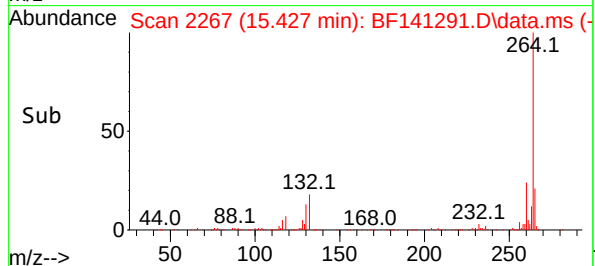
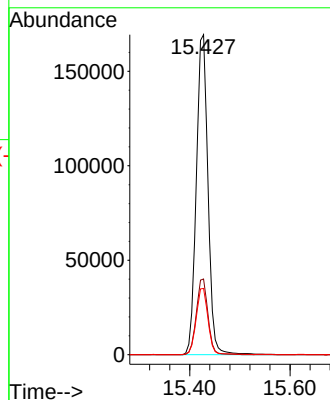
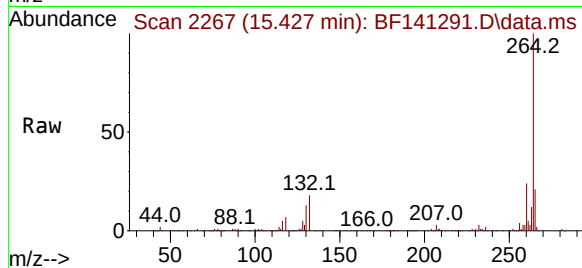




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 2117
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

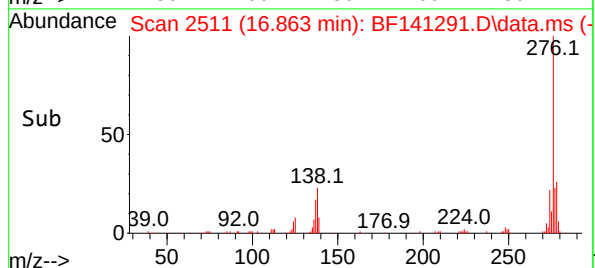
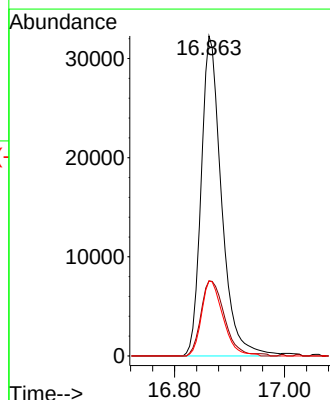
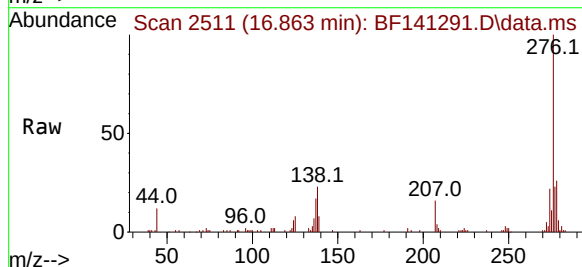
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

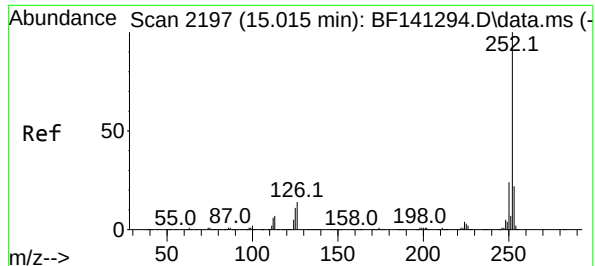
Tgt Ion:264 Resp: 273117
Ion Ratio Lower Upper
264 100
260 23.6 18.6 27.8
265 20.7 16.7 25.1



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.657 ng
RT: 16.863 min Scan# 2511
Delta R.T. -0.023 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:276 Resp: 83074
Ion Ratio Lower Upper
276 100
138 27.3 21.7 32.5
277 24.7 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 5.465 ng

RT: 14.998 min Scan# 2194

Delta R.T. -0.017 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

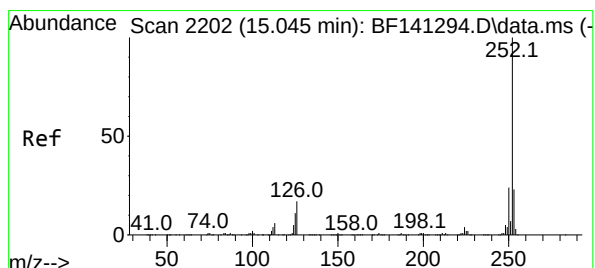
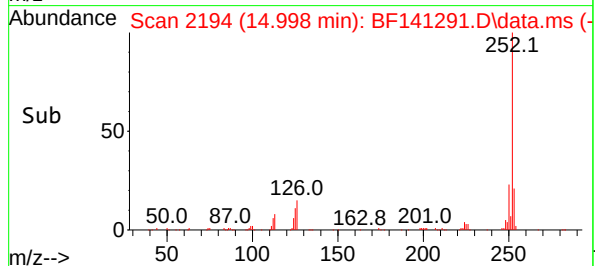
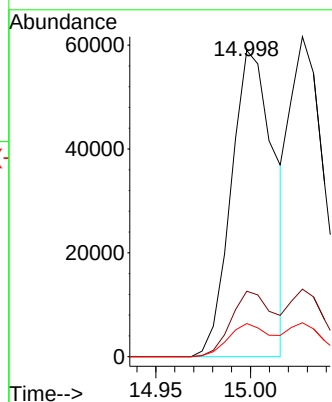
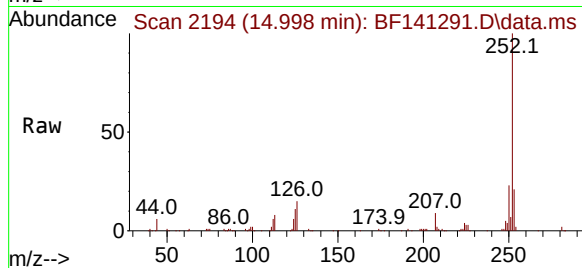
Tgt Ion:252 Resp: 92690

Ion Ratio Lower Upper

252 100

253 21.4 17.4 26.2

125 10.8 8.6 12.8



#89

Benzo(k)fluoranthene

Concen: 5.247 ng

RT: 15.027 min Scan# 2199

Delta R.T. -0.017 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

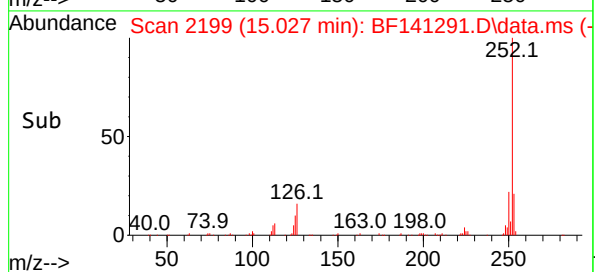
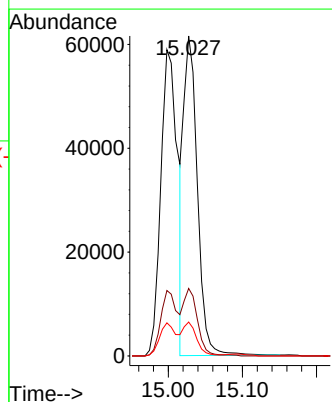
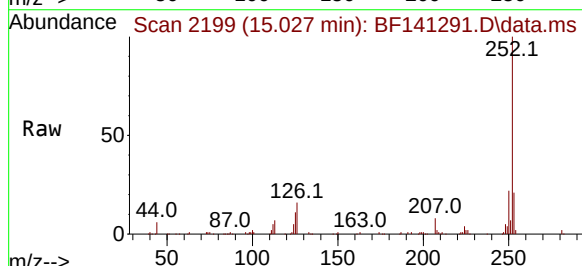
Tgt Ion:252 Resp: 79701

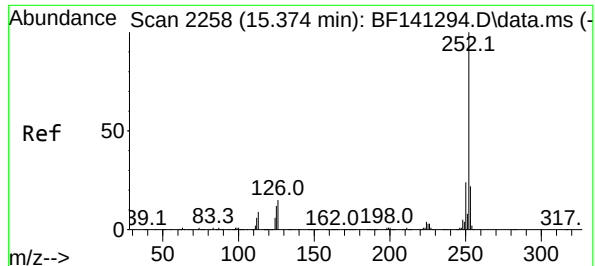
Ion Ratio Lower Upper

252 100

253 21.1 17.6 26.4

125 10.6 8.4 12.6

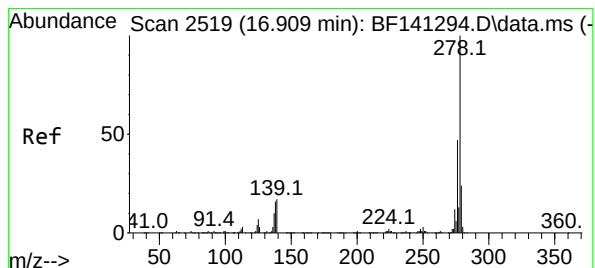
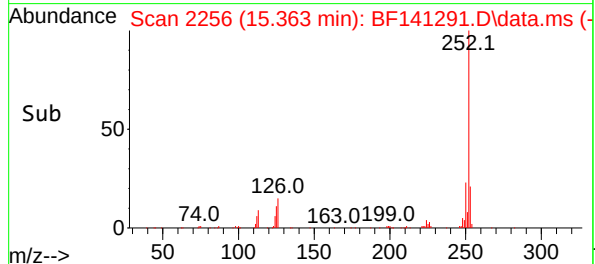
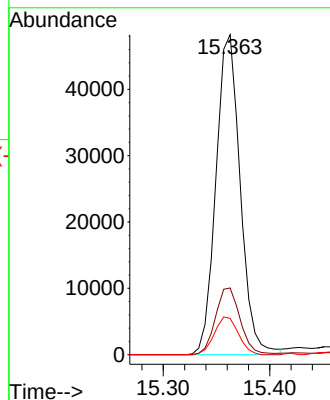
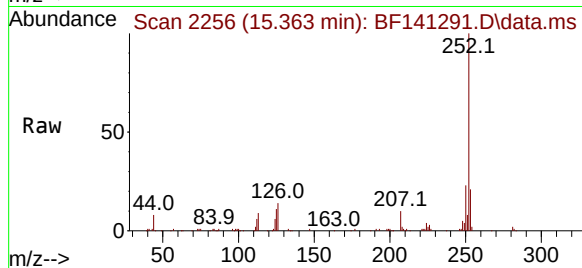




#90
Benzo(a)pyrene
Concen: 5.268 ng
RT: 15.363 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

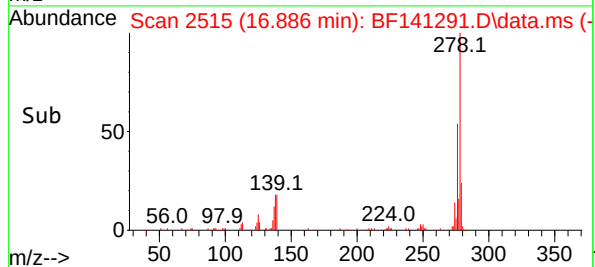
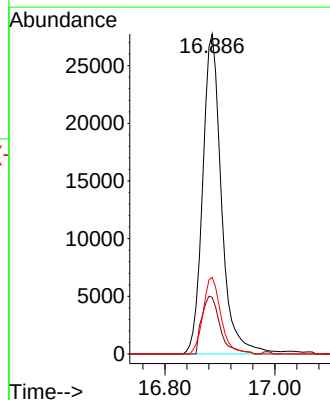
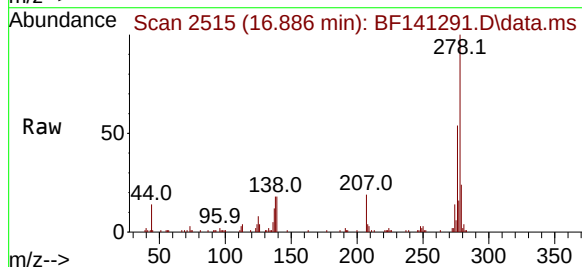
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

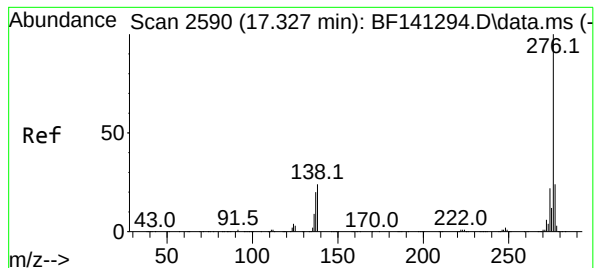
Tgt Ion:252 Resp: 76368
Ion Ratio Lower Upper
252 100
253 20.9 17.2 25.8
125 11.3 9.4 14.2



#91
Dibenzo(a,h)anthracene
Concen: 4.615 ng
RT: 16.886 min Scan# 2515
Delta R.T. -0.023 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:278 Resp: 65991
Ion Ratio Lower Upper
278 100
139 17.7 13.9 20.9
279 24.0 18.8 28.2





#92

Benzo(g,h,i)perylene

Concen: 4.591 ng

RT: 17.298 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF141291.D

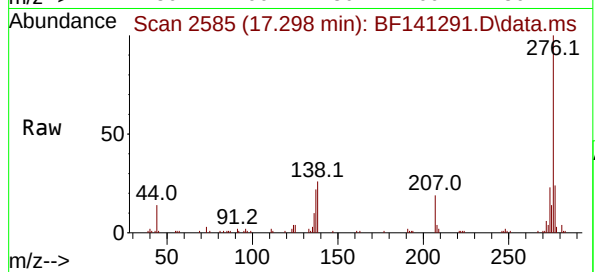
Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC005



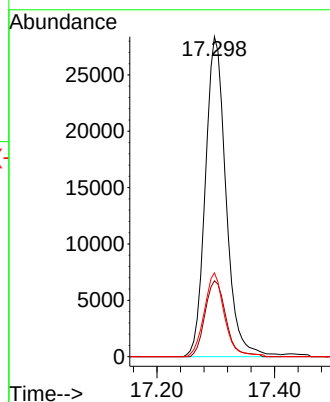
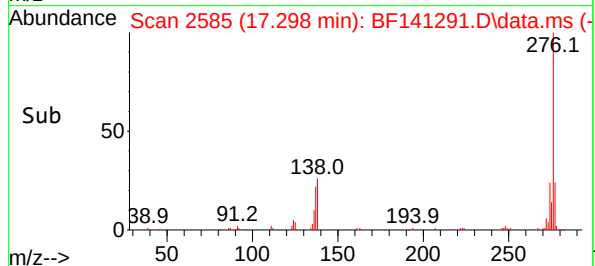
Tgt Ion:276 Resp: 69049

Ion Ratio Lower Upper

276 100

277 23.7 19.2 28.8

138 26.2 19.0 28.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
 Data File : BF141292.D
 Acq On : 29 Jan 2025 11:49
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Manual Integrations

APPROVED

Reviewed By :Yogesh
 Patel

Quant Time: Jan 29 16:29:06 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Jan 29 16:24:35 2025

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	132200	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	533326	20.000	ng	0.00
39) Acenaphthene-d10	9.834	164	289559	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	510795	20.000	ng	0.00
76) Chrysene-d12	13.969	240	308114	20.000	ng	0.00
86) Perylene-d12	15.433	264	280028	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.399	112	183846	21.507	ng	0.00
7) Phenol-d6	6.416	99	237908	21.836	ng	-0.01
23) Nitrobenzene-d5	7.357	82	211040	20.937	ng	0.00
42) 2,4,6-Tribromophenol	10.622	330	57417	21.761	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	423852	22.581	ng	0.00
79) Terphenyl-d14	12.910	244	434781	21.713	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.487	88	39830	10.497	ng	98
3) Pyridine	3.222	79	93176	10.267	ng	99
4) n-Nitrosodimethylamine	3.152	42	52157	10.036	ng	98
6) Aniline	6.457	93	99872	10.968	ng	99
8) 2-Chlorophenol	6.581	128	99805	10.871	ng	95
9) Benzaldehyde	6.346	77	74679	11.803	ng	99
10) Phenol	6.434	94	124196	10.775	ng	96
11) bis(2-Chloroethyl)ether	6.528	93	93367	10.533	ng	99
12) 1,3-Dichlorobenzene	6.740	146	110278	10.891	ng	98
13) 1,4-Dichlorobenzene	6.816	146	109956	10.784	ng	99
14) 1,2-Dichlorobenzene	6.969	146	106335	11.160	ng	98
15) Benzyl Alcohol	6.934	79	79378	10.665	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.075	45	164185	10.661	ng	99
17) 2-Methylphenol	7.045	107	77643	10.446	ng	98
18) Hexachloroethane	7.310	117	40445	10.721	ng	99
19) n-Nitroso-di-n-propyla...	7.204	70	70075	10.815	ng	99
20) 3+4-Methylphenols	7.198	107	103360	11.310	ng	95
22) Acetophenone	7.204	105	139527	11.036	ng	98
24) Nitrobenzene	7.375	77	109497	10.474	ng	99
25) Isophorone	7.616	82	182564	10.480	ng	100
26) 2-Nitrophenol	7.692	139	49783	10.167	ng	98
27) 2,4-Dimethylphenol	7.728	122	63681m	10.177	ng	
28) bis(2-Chloroethoxy)met...	7.828	93	117232	10.561	ng	98
29) 2,4-Dichlorophenol	7.934	162	79949	10.457	ng	99
30) 1,2,4-Trichlorobenzene	8.022	180	94419	10.767	ng	98
31) Naphthalene	8.098	128	305386	10.887	ng	99
32) Benzoic acid	7.798	122	47549	8.367	ng	99
33) 4-Chloroaniline	8.151	127	100852	10.703	ng	98
34) Hexachlorobutadiene	8.222	225	55103	10.736	ng	99
35) Caprolactam	8.481	113	25363	10.256	ng	100
36) 4-Chloro-3-methylphenol	8.622	107	87592	10.674	ng	98
37) 2-Methylnaphthalene	8.792	142	195160	10.925	ng	99
38) 1-Methylnaphthalene	8.892	142	192861	11.022	ng	100
40) 1,2,4,5-Tetrachloroben...	8.957	216	88710	10.775	ng	99
41) Hexachlorocyclopentadiene	8.945	237	22759	9.212	ng	98
43) 2,4,6-Trichlorophenol	9.069	196	55036	10.241	ng	99

01/30/2025

Supervised By :mohammad
 Ahmed

02/04/2025

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
 Data File : BF141292.D
 Acq On : 29 Jan 2025 11:49
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Yogesh
 Patel

Quant Time: Jan 29 16:29:06 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 16:24:35 2025
 Response via : Initial Calibration

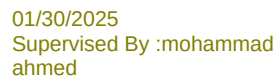
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.104	196	61493	10.518	ng	100
46) 1,1'-Biphenyl	9.257	154	245028	10.847	ng	99
47) 2-Chloronaphthalene	9.281	162	189709	10.812	ng	98
48) 2-Nitroaniline	9.375	65	56247	10.164	ng	99
49) Acenaphthylene	9.692	152	268471	10.895	ng	99
50) Dimethylphthalate	9.551	163	210816	10.857	ng	100
51) 2,6-Dinitrotoluene	9.616	165	47955	10.613	ng	97
52) Acenaphthene	9.869	154	188283	10.738	ng	100
53) 3-Nitroaniline	9.781	138	47818	10.699	ng	95
54) 2,4-Dinitrophenol	9.892	184	14749	6.925	ng	98
55) Dibenzofuran	10.039	168	258832	11.038	ng	99
56) 4-Nitrophenol	9.939	139	31196	9.722	ng	98
57) 2,4-Dinitrotoluene	10.016	165	62418	10.710	ng	99
58) Fluorene	10.381	166	204141	11.197	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.157	232	49596	10.737	ng	100
60) Diethylphthalate	10.257	149	205131	10.908	ng	99
61) 4-Chlorophenyl-phenyle...	10.375	204	100485	11.294	ng	100
62) 4-Nitroaniline	10.392	138	45222	10.533	ng	99
63) Azobenzene	10.534	77	204300	10.839	ng	99
65) 4,6-Dinitro-2-methylph...	10.422	198	26939	8.831	ng	91
66) n-Nitrosodiphenylamine	10.492	169	174617	10.544	ng	100
67) 4-Bromophenyl-phenylether	10.869	248	59770	10.468	ng	96
68) Hexachlorobenzene	10.928	284	63908	10.551	ng	100
69) Atrazine	11.016	200	51633	9.295	ng	99
70) Pentachlorophenol	11.128	266	34788	9.796	ng	99
71) Phenanthrene	11.345	178	298892	10.893	ng	99
72) Anthracene	11.398	178	292813	10.940	ng	99
73) Carbazole	11.551	167	258853	10.919	ng	99
74) Di-n-butylphthalate	11.886	149	316336	11.070	ng	99
75) Fluoranthene	12.533	202	306969	11.462	ng	99
77) Benzidine	12.657	184	73918	7.890	ng	98
78) Pyrene	12.763	202	317744	10.681	ng	99
80) Butylbenzylphthalate	13.386	149	106335	10.349	ng	99
81) Benzo(a)anthracene	13.957	228	217291	10.289	ng	99
82) 3,3'-Dichlorobenzidine	13.922	252	65021	9.833	ng	99
83) Chrysene	13.992	228	204080	10.421	ng	100
84) Bis(2-ethylhexyl)phtha...	13.951	149	139099	10.789	ng	99
85) Di-n-octyl phthalate	14.580	149	195129	9.676	ng	99
87) Indeno(1,2,3-cd)pyrene	16.874	276	177554	9.708	ng	100
88) Benzo(b)fluoranthene	15.010	252	193558	11.130	ng	99
89) Benzo(k)fluoranthene	15.039	252	155925	10.012	ng	99
90) Benzo(a)pyrene	15.374	252	148214	9.972	ng	100
91) Dibenzo(a,h)anthracene	16.898	278	140143	9.559	ng	99
92) Benzo(g,h,i)perylene	17.315	276	150453	9.756	ng	99

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

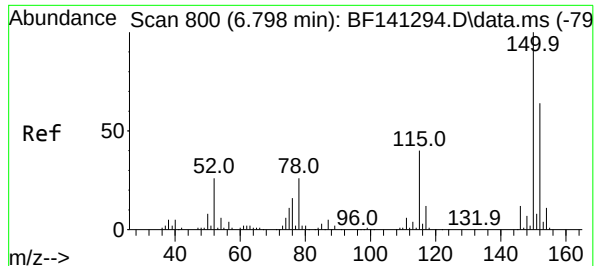
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations

Reviewed By :Yogesh Patel

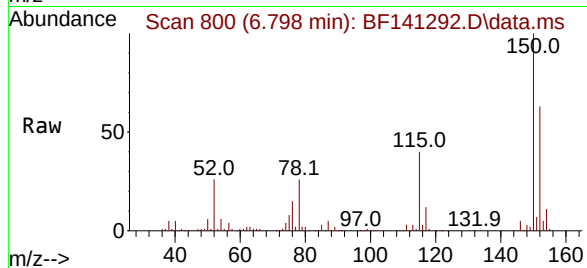


02/04/2025



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

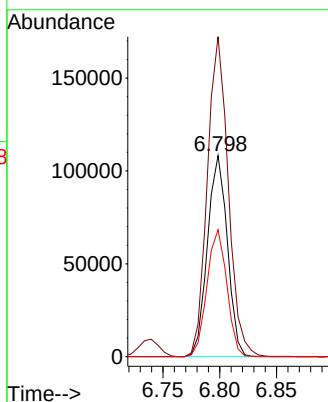
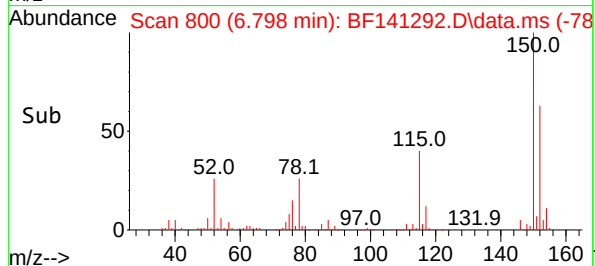
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:152 Resp: 132200
Ion Ratio Lower Upper
152 100
150 159.1 125.9 188.9
115 63.1 49.7 74.5

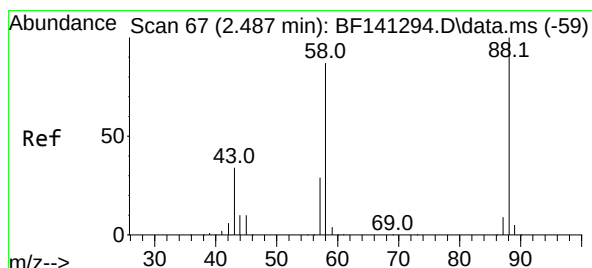
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel



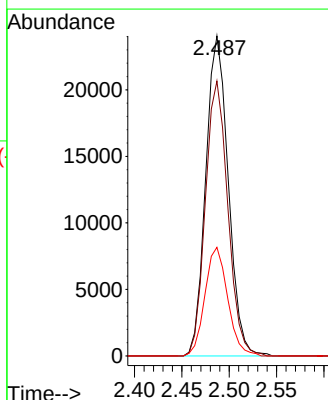
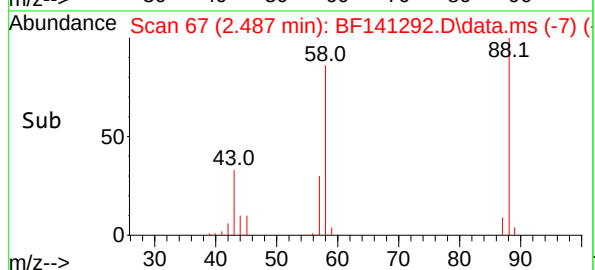
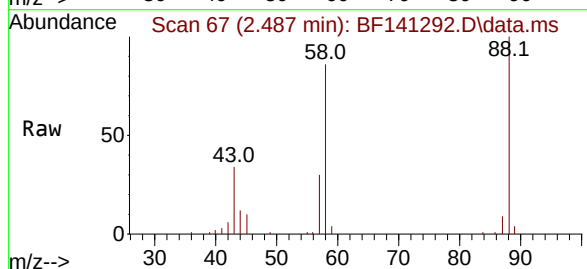
01/30/2025
Supervised By :mohammad
ahmed

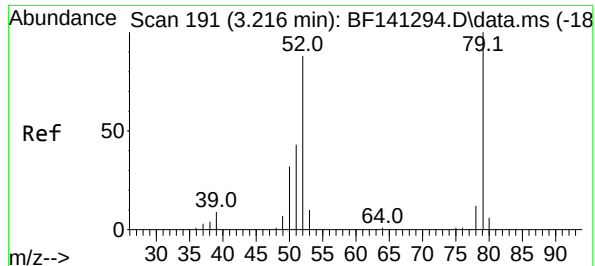
02/04/2025



#2
1,4-Dioxane
Concen: 10.497 ng
RT: 2.487 min Scan# 67
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

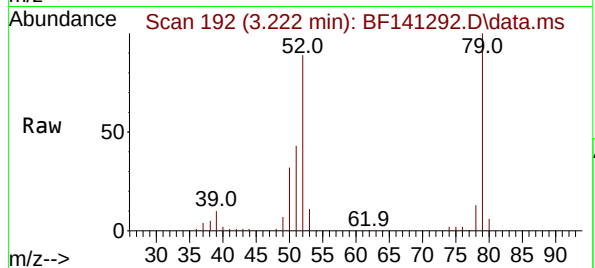
Tgt Ion: 88 Resp: 39830
Ion Ratio Lower Upper
88 100
58 85.5 70.2 105.4
43 34.3 27.6 41.4





#3
Pyridine
Concen: 10.267 ng
RT: 3.222 min Scan# 191
Delta R.T. 0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

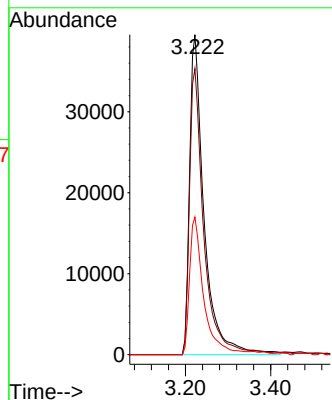
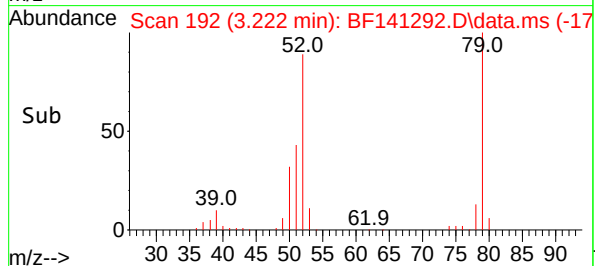
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion: 79 Resp: 93170
Ion Ratio Lower Upper
79 100
52 89.4 70.3 105.5
51 43.0 34.3 51.5

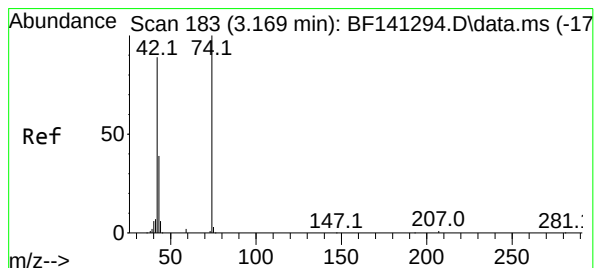
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel



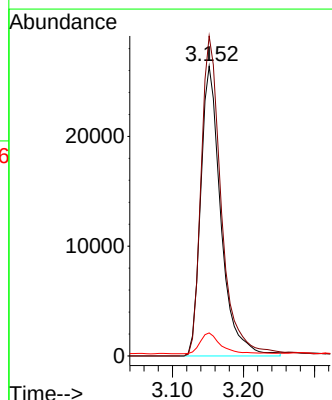
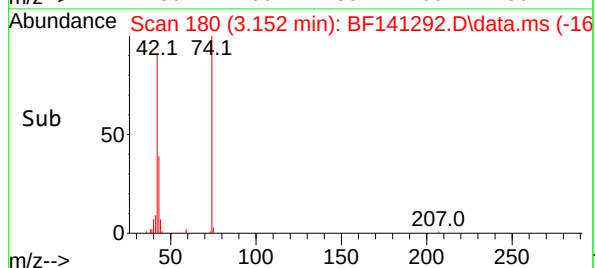
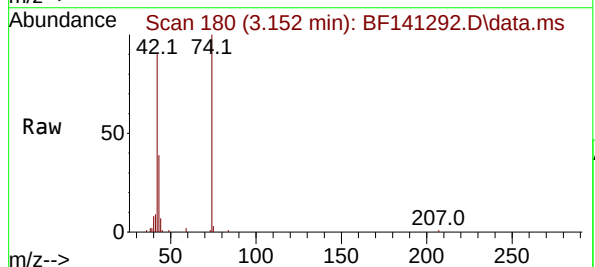
01/30/2025
Supervised By :mohammad
ahmed

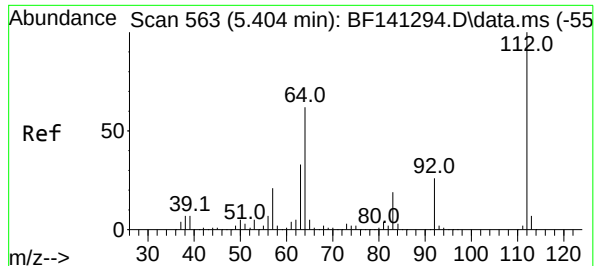
02/04/2025



#4
n-Nitrosodimethylamine
Concen: 10.036 ng
RT: 3.152 min Scan# 180
Delta R.T. -0.017 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

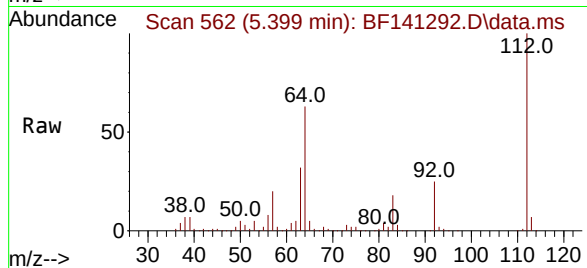
Tgt Ion: 42 Resp: 52157
Ion Ratio Lower Upper
42 100
74 110.5 90.3 135.5
44 8.0 5.7 8.5





#5
2-Fluorophenol
Concen: 21.507 ng
RT: 5.399 min Scan# 501
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

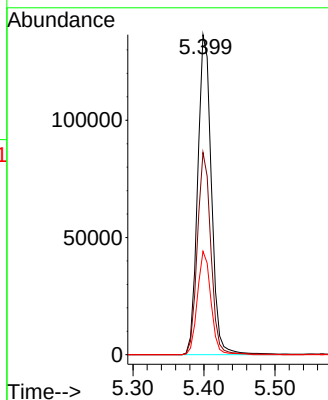
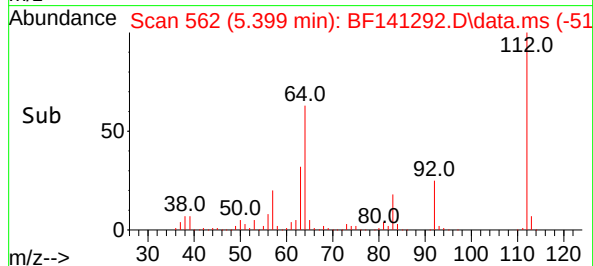
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion: 112 Resp: 183840
Ion Ratio Lower Upper
112 100
64 63.2 49.8 74.8
63 32.3 26.1 39.1

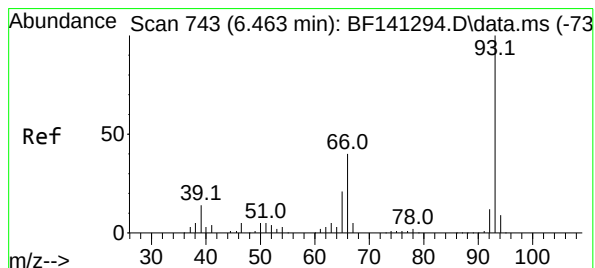
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel



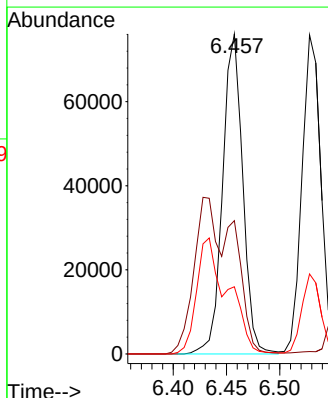
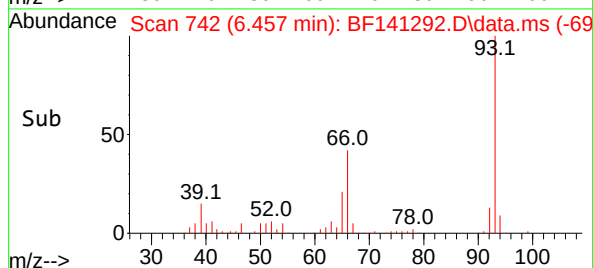
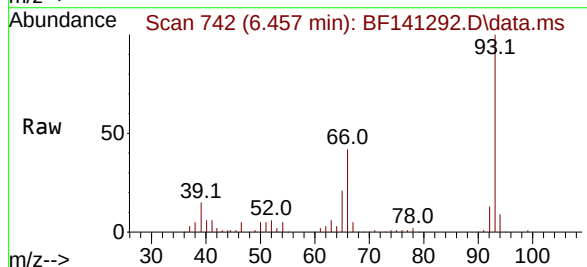
01/30/2025
Supervised By :mohammad
ahmed

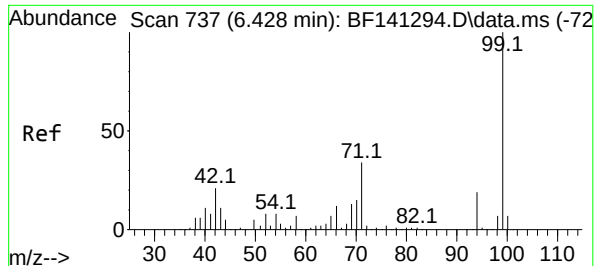
02/04/2025



#6
Aniline
Concen: 10.968 ng
RT: 6.457 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion: 93 Resp: 99872
Ion Ratio Lower Upper
93 100
66 41.7 32.5 48.7
65 21.0 17.0 25.6





#7

Phenol-d6

Concen: 21.836 ng

RT: 6.416 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

Tgt Ion: 99 Resp: 237908

Ion Ratio Lower Upper

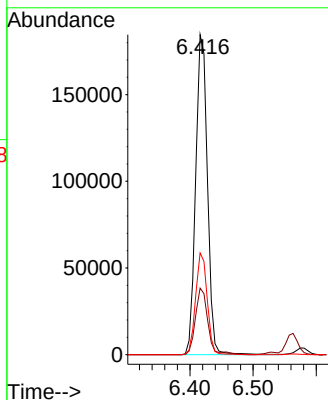
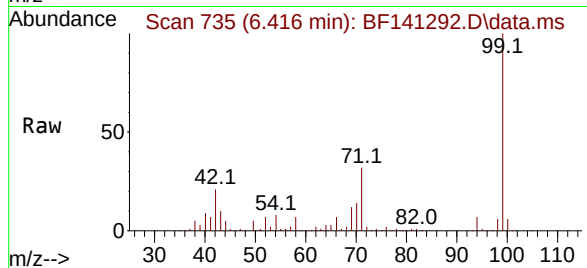
99 100

42 20.8 17.1 25.7

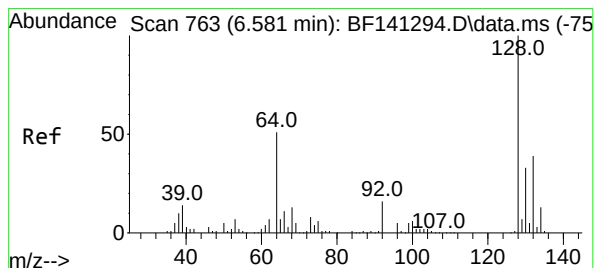
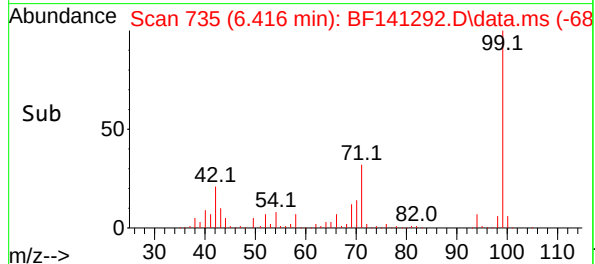
71 31.8 26.9 40.3

Manual Integrations

APPROVED

Reviewed By :Yogesh
Patel01/30/2025
Supervised By :mohammad
ahmed

02/04/2025



#8

2-Chlorophenol

Concen: 10.871 ng

RT: 6.581 min Scan# 763

Delta R.T. 0.000 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

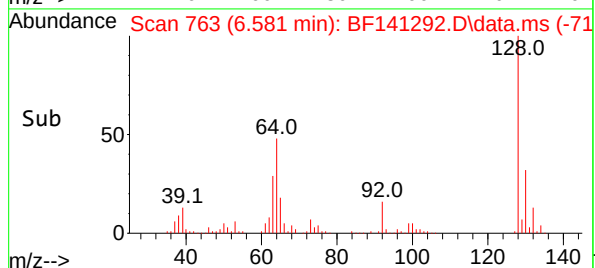
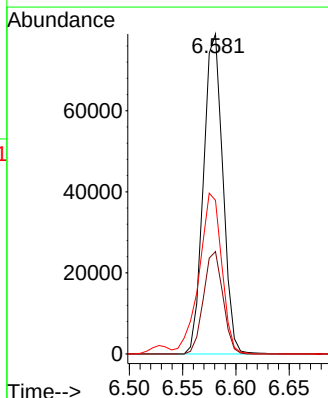
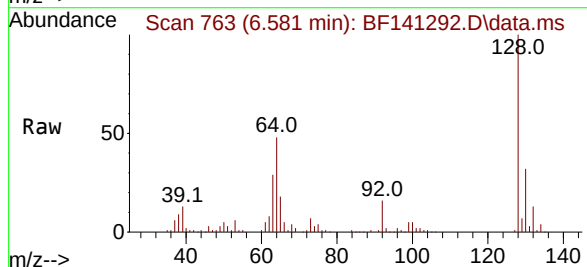
Tgt Ion:128 Resp: 99805

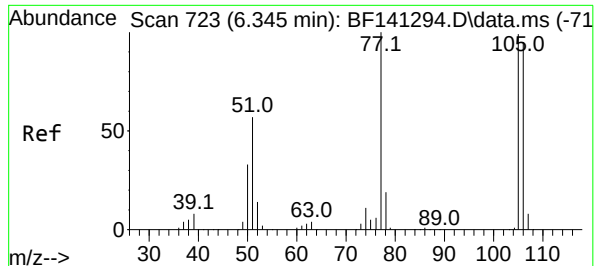
Ion Ratio Lower Upper

128 100

130 32.0 12.5 52.5

64 48.0 32.9 72.9





#9
Benzaldehyde

Concen: 11.803 ng

RT: 6.346 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion: 77 Resp: 74679

Ion Ratio Lower Upper

77 100

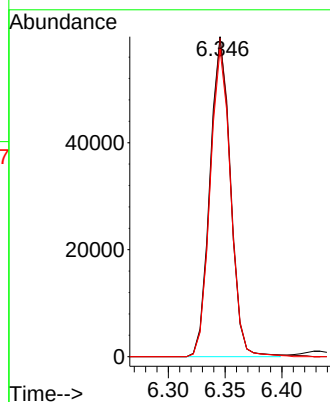
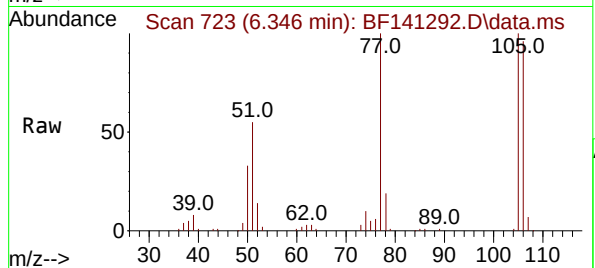
105 99.6 79.4 119.4

106 96.1 74.6 114.6

Manual Integrations

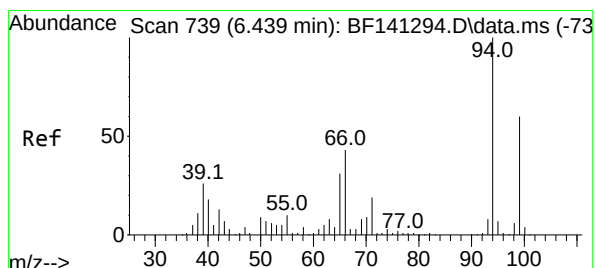
APPROVED

Reviewed By :Yogesh
Patel



01/30/2025
Supervised By :mohammad
ahmed

02/04/2025



#10

Phenol

Concen: 10.775 ng

RT: 6.434 min Scan# 738

Delta R.T. -0.006 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

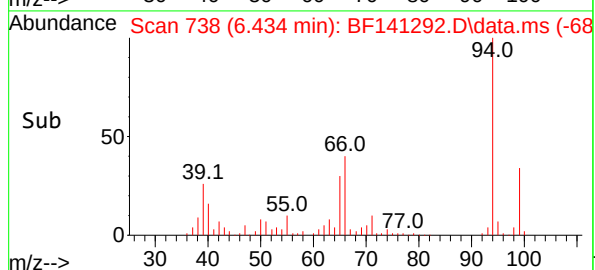
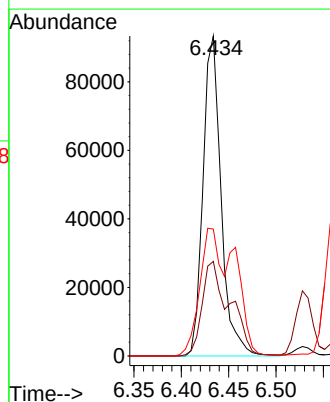
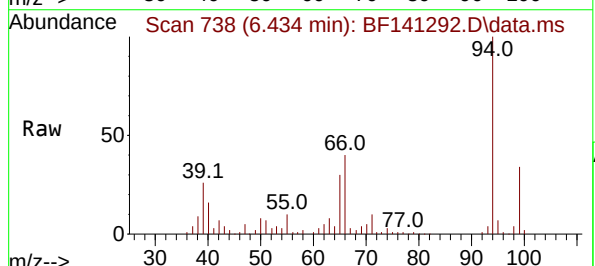
Tgt Ion: 94 Resp: 124196

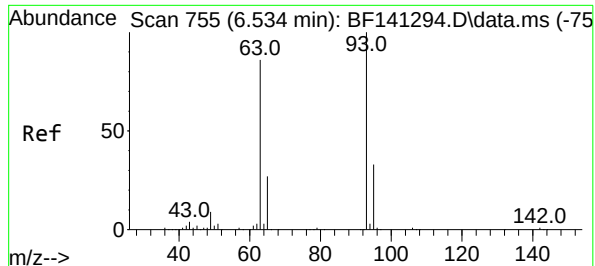
Ion Ratio Lower Upper

94 100

65 29.5 10.8 50.8

66 39.7 23.3 63.3





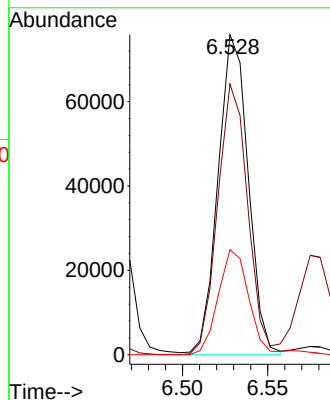
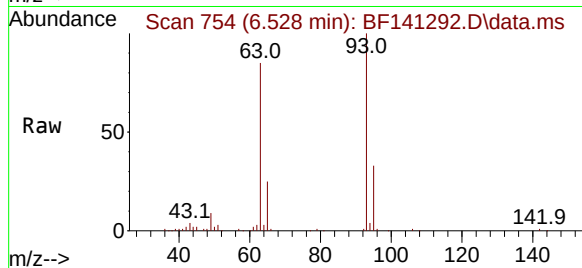
#11
bis(2-Chloroethyl)ether
Concen: 10.533 ng
RT: 6.528 min Scan# 754
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 93 Resp: 9336
Ion Ratio Lower Upper
93 100
63 84.6 65.0 105.0
95 32.8 12.4 52.4

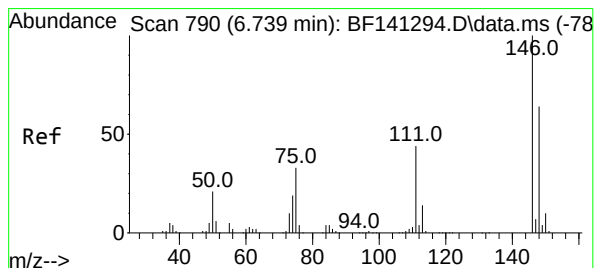
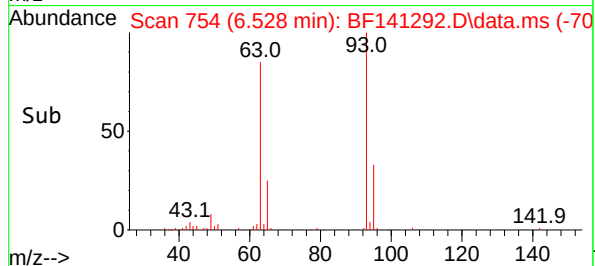
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel



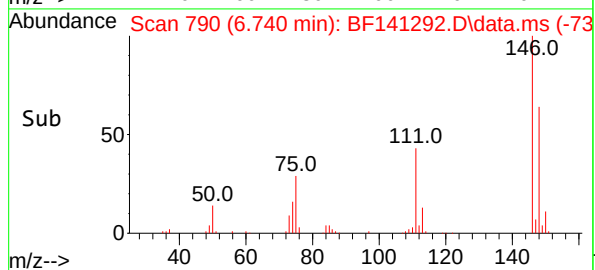
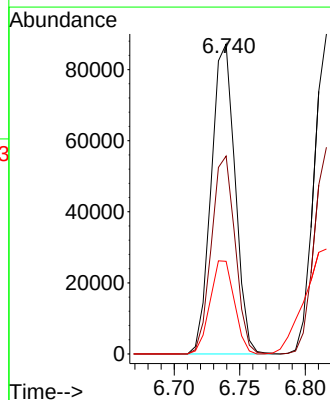
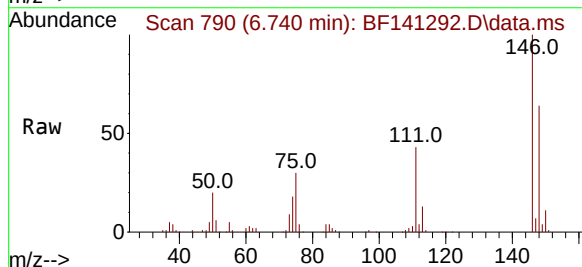
01/30/2025
Supervised By :mohammad
ahmed

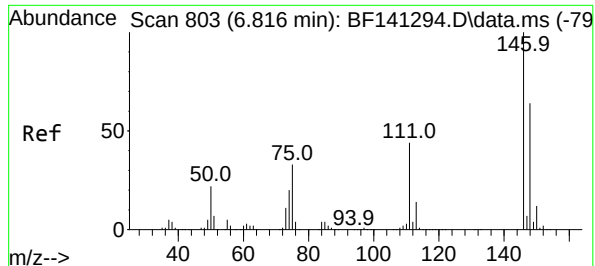
02/04/2025



#12
1,3-Dichlorobenzene
Concen: 10.891 ng
RT: 6.740 min Scan# 790
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:146 Resp: 110278
Ion Ratio Lower Upper
146 100
148 63.8 51.2 76.8
75 29.9 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 10.784 ng

RT: 6.816 min Scan# 803

Delta R.T. 0.000 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:146 Resp: 109950

Ion Ratio Lower Upper

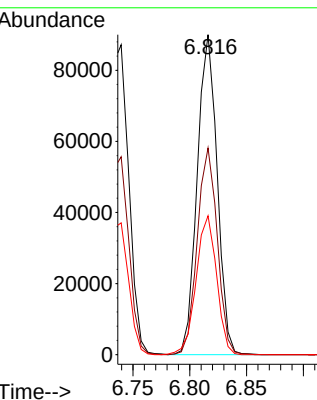
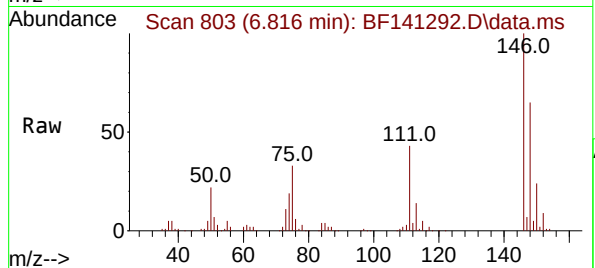
146 100

148 64.6 51.2 76.8

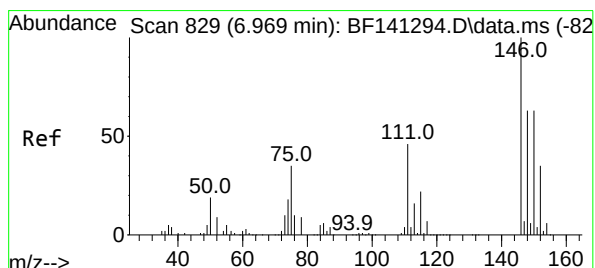
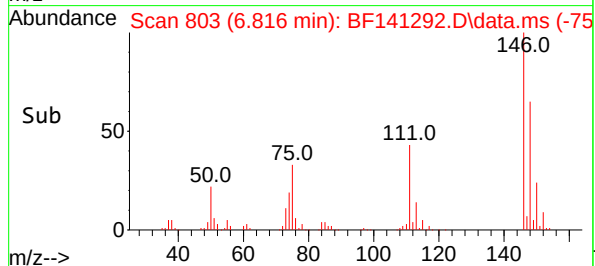
111 43.4 35.0 52.4

Manual Integrations

APPROVED

Reviewed By :Yogesh
Patel01/30/2025
Supervised By :mohammad
ahmed

02/04/2025



#14

1,2-Dichlorobenzene

Concen: 11.160 ng

RT: 6.969 min Scan# 829

Delta R.T. 0.000 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

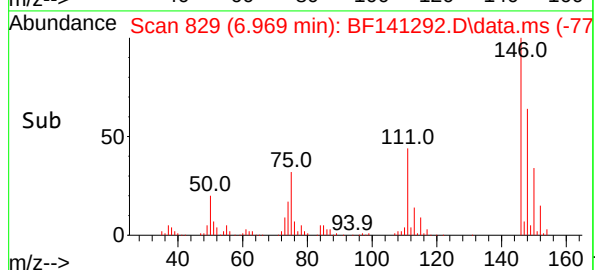
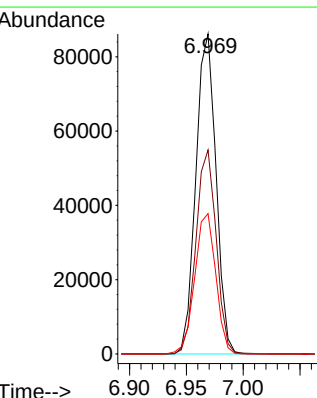
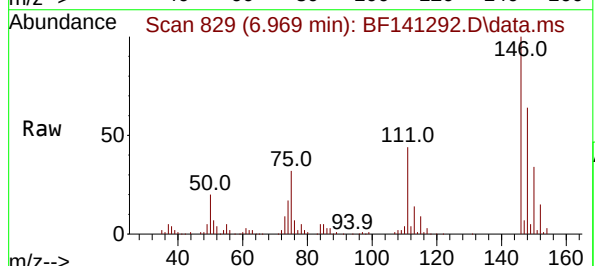
Tgt Ion:146 Resp: 106335

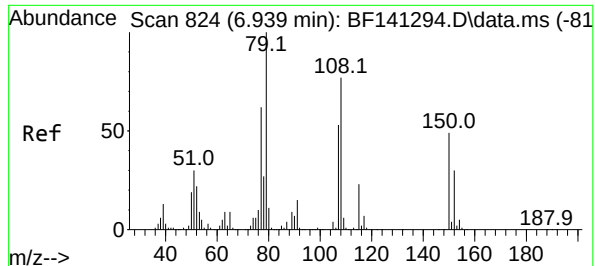
Ion Ratio Lower Upper

146 100

148 63.8 50.5 75.7

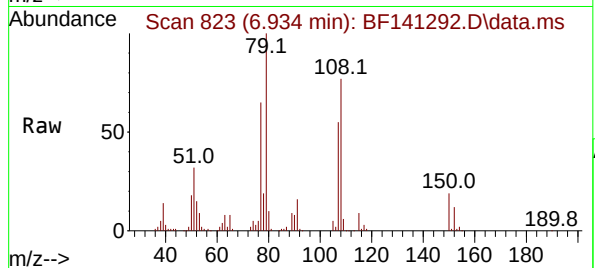
111 43.8 36.6 55.0





#15
Benzyl Alcohol
Concen: 10.665 ng
RT: 6.934 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

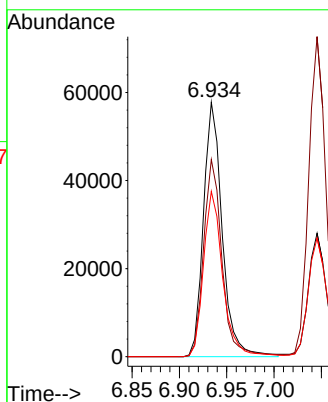
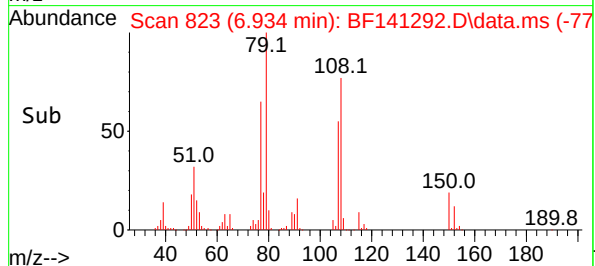
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion: 79 Resp: 79378
Ion Ratio Lower Upper
79 100
108 77.5 61.4 92.0
77 65.0 49.9 74.9

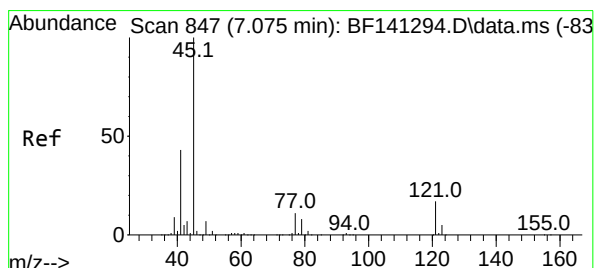
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel



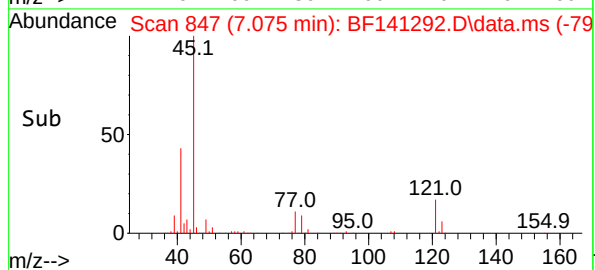
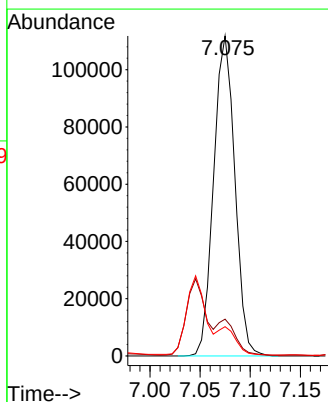
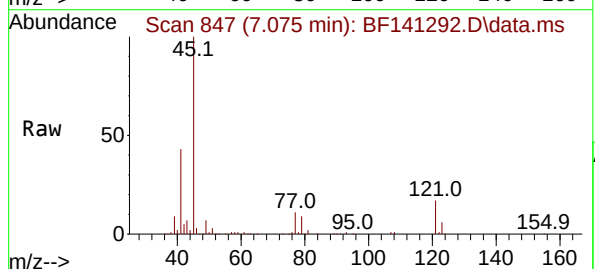
01/30/2025
Supervised By :mohammad
ahmed

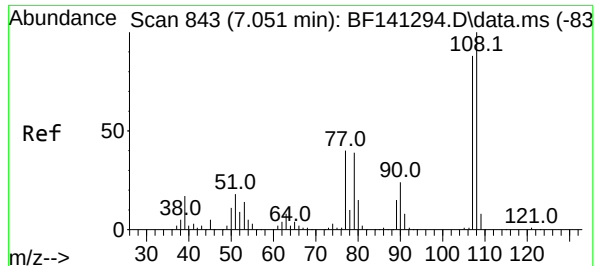
02/04/2025



#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.661 ng
RT: 7.075 min Scan# 847
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion: 45 Resp: 164185
Ion Ratio Lower Upper
45 100
77 11.5 0.0 31.8
79 9.2 0.0 29.1





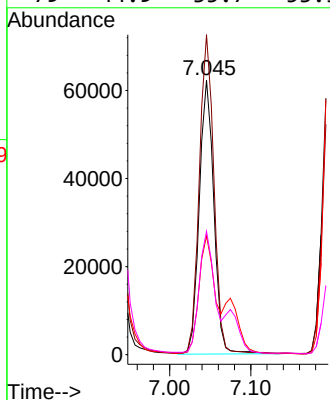
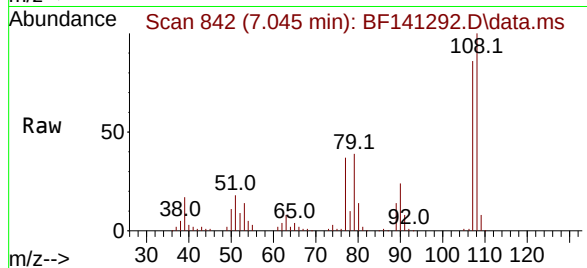
#17
2-Methylphenol
Concen: 10.446 ng
RT: 7.045 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:107 Resp: 7764
Ion Ratio Lower Upper
107 100
108 116.6 90.8 136.2
77 43.3 36.2 54.4
79 44.9 35.7 53.5

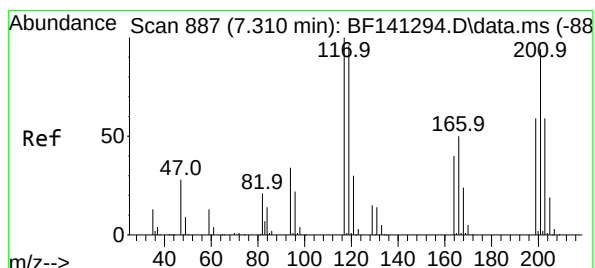
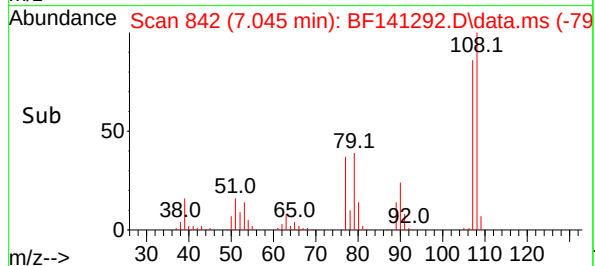
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel



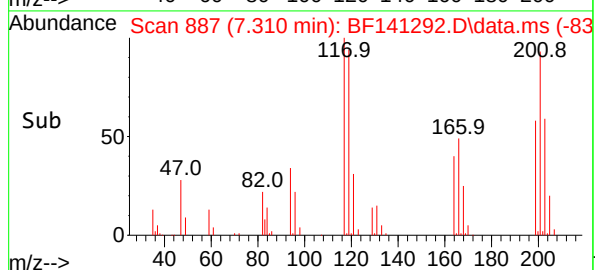
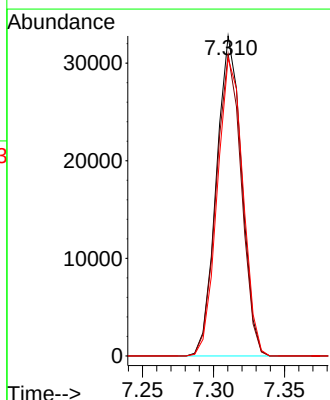
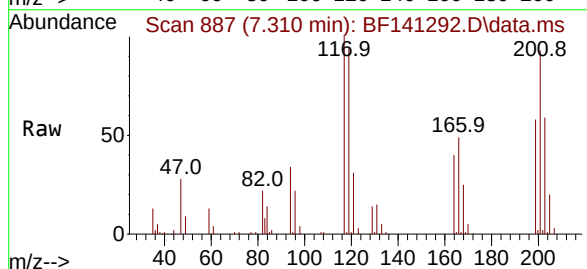
01/30/2025
Supervised By :mohammad
ahmed

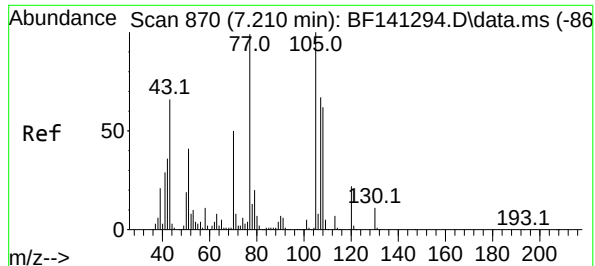
02/04/2025



#18
Hexachloroethane
Concen: 10.721 ng
RT: 7.310 min Scan# 887
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:117 Resp: 40445
Ion Ratio Lower Upper
117 100
119 94.3 76.6 114.8
201 93.1 74.8 112.2





#19

n-Nitroso-di-n-propylamine

Concen: 10.815 ng

RT: 7.204 min Scan# 80

Delta R.T. -0.006 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion: 70 Resp: 70075

Ion Ratio Lower Upper

70 100

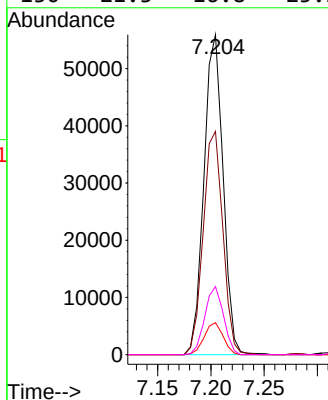
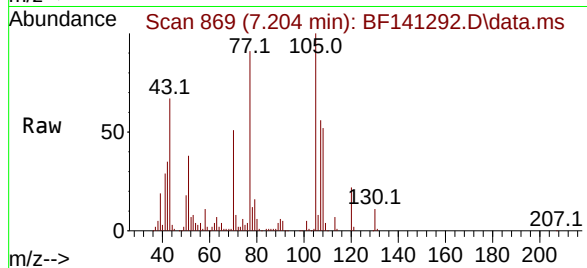
42 69.8 56.8 85.2

101 10.0 7.7 11.5

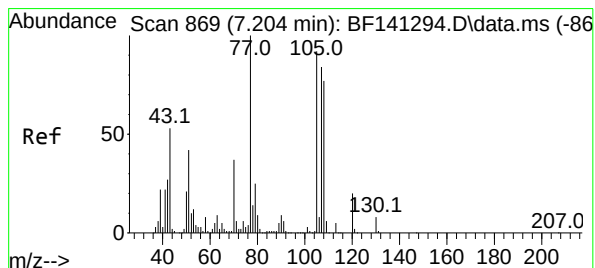
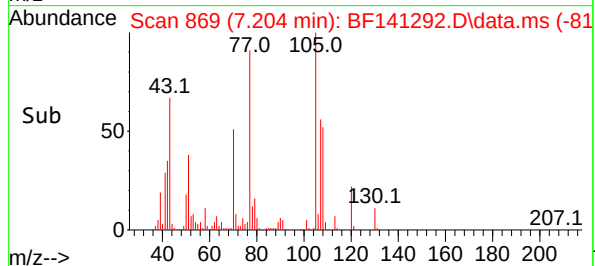
130 21.3 16.8 25.2

Manual Integrations

APPROVED

Reviewed By :Yogesh
Patel01/30/2025
Supervised By :mohammad
ahmed

02/04/2025



#20

3+4-Methylphenols

Concen: 11.310 ng

RT: 7.198 min Scan# 868

Delta R.T. -0.006 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Tgt Ion:107 Resp: 103360

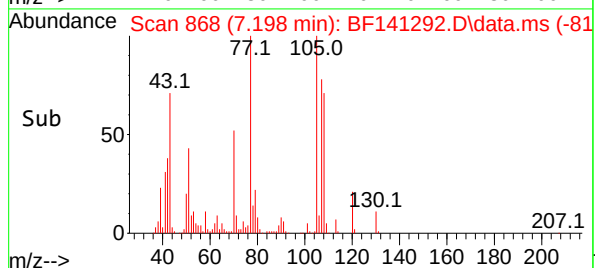
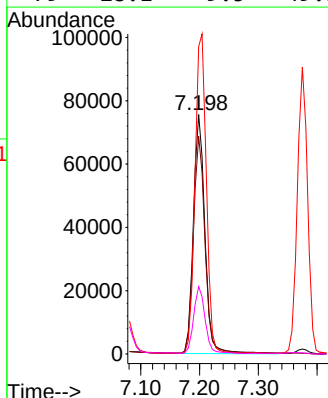
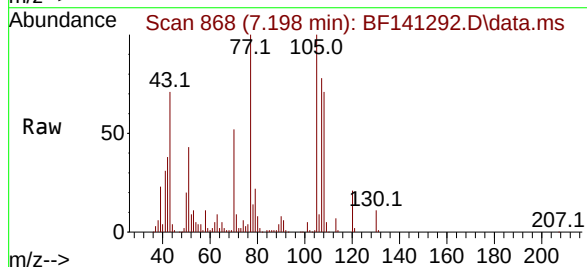
Ion Ratio Lower Upper

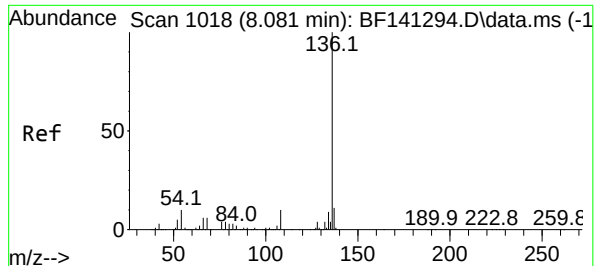
107 100

108 91.0 70.9 110.9

77 128.4 98.5 138.5

79 28.1 9.5 49.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.081 min Scan# 1018

Delta R.T. 0.000 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

Tgt Ion:136 Resp: 533320

Ion Ratio Lower Upper

136 100

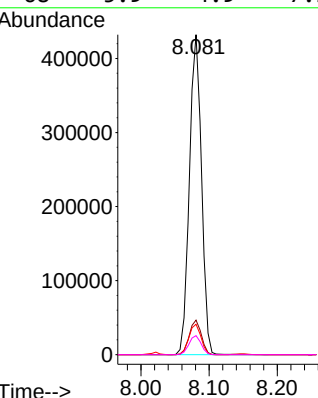
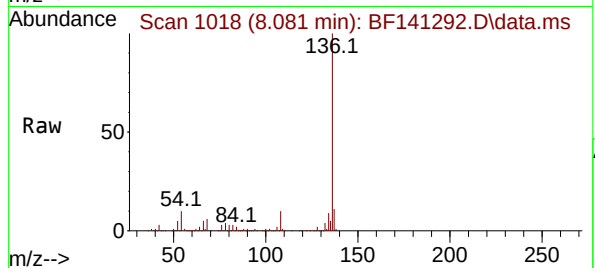
137 10.8 8.6 13.0

54 9.5 7.8 11.8

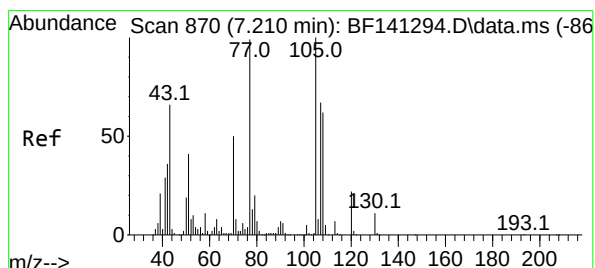
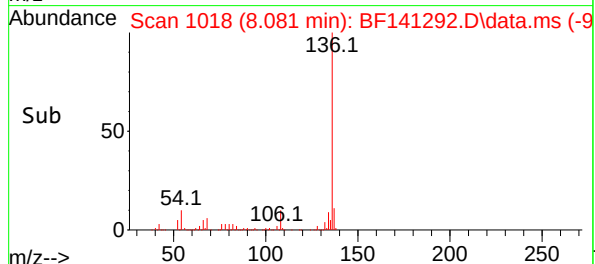
68 5.9 4.9 7.3

Manual Integrations

APPROVED

Reviewed By :Yogesh
Patel01/30/2025
Supervised By :mohammad
ahmed

02/04/2025



#22

Acetophenone

Concen: 11.036 ng

RT: 7.204 min Scan# 869

Delta R.T. -0.006 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Tgt Ion:105 Resp: 139527

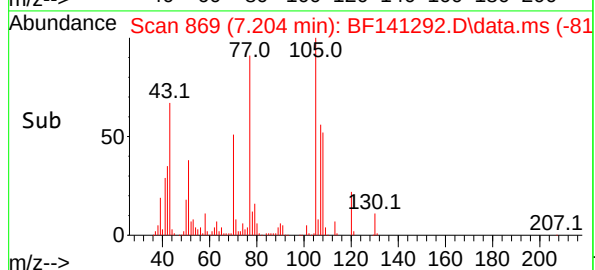
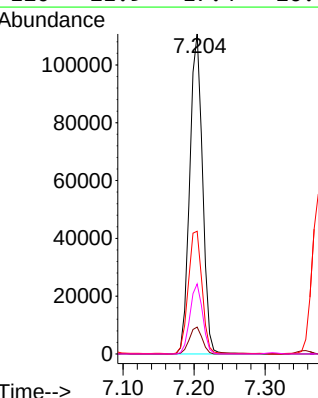
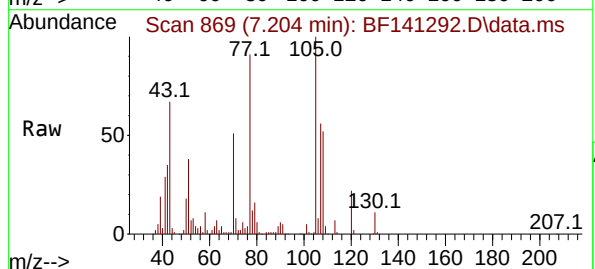
Ion Ratio Lower Upper

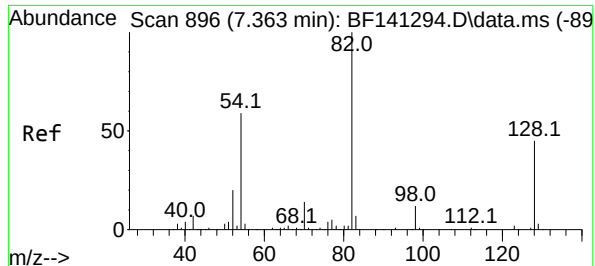
105 100

71 8.4 6.8 10.2

51 38.3 32.6 49.0

120 21.9 17.4 26.0





#23

Nitrobenzene-d5

Concen: 20.937 ng

RT: 7.357 min Scan# 895

Delta R.T. -0.006 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion: 82 Resp: 211040

Ion Ratio Lower Upper

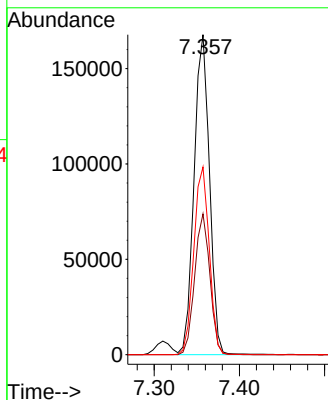
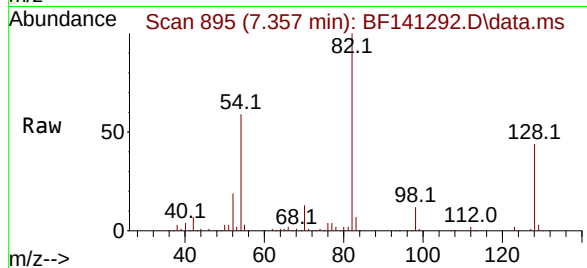
82 100

128 44.0 35.7 53.5

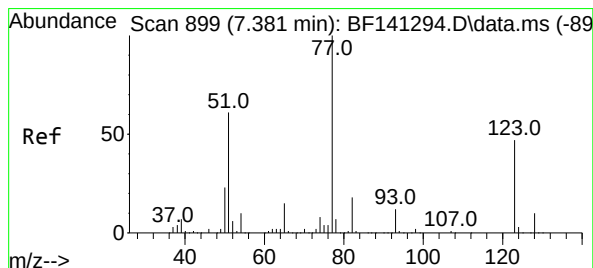
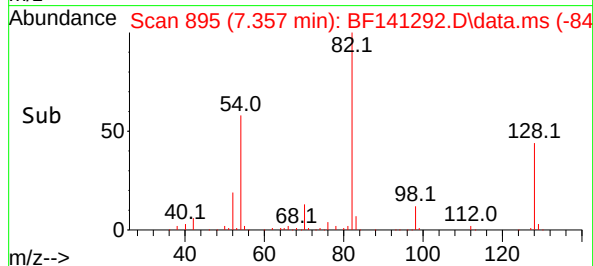
54 58.7 47.1 70.7

Manual Integrations

APPROVED

Reviewed By :Yogesh
Patel01/30/2025
Supervised By :mohammad
ahmed

02/04/2025



#24

Nitrobenzene

Concen: 10.474 ng

RT: 7.375 min Scan# 898

Delta R.T. -0.006 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

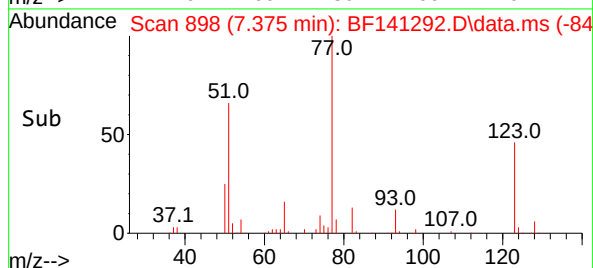
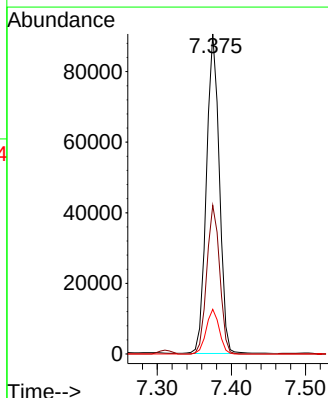
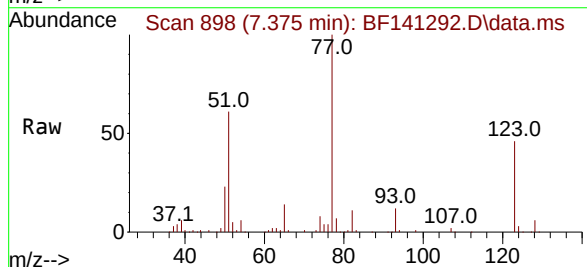
Tgt Ion: 77 Resp: 109497

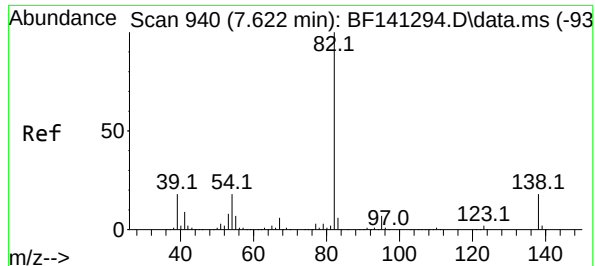
Ion Ratio Lower Upper

77 100

123 46.5 37.3 55.9

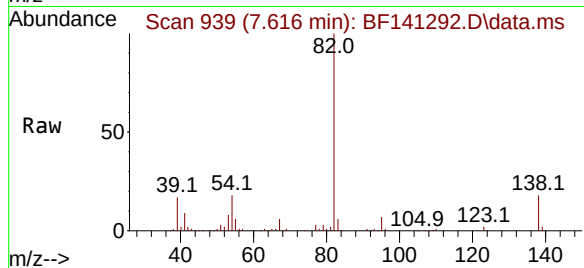
65 14.0 11.8 17.6





#25
Isophorone
Concen: 10.480 ng
RT: 7.616 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

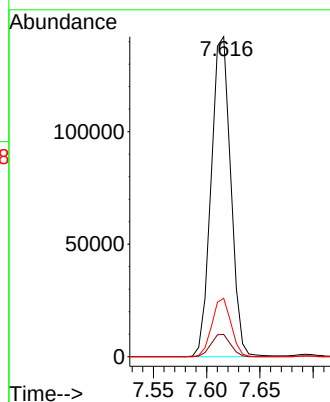
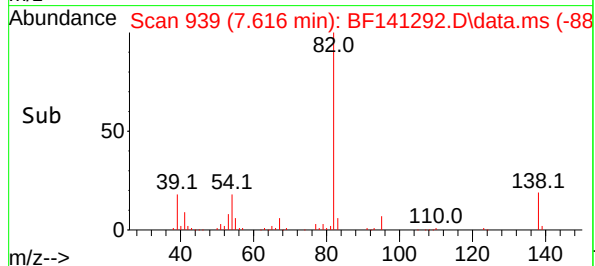
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion: 82 Resp: 182564
Ion Ratio Lower Upper
82 100
95 6.9 5.8 8.6
138 18.2 14.7 22.1

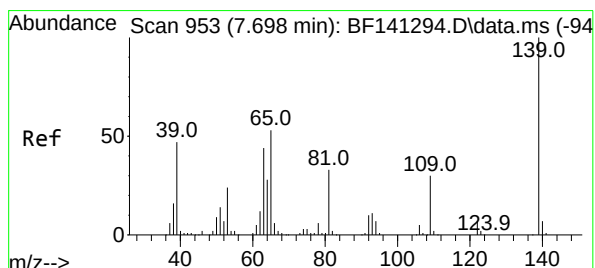
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel

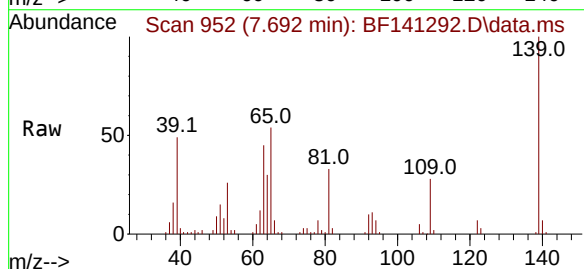


01/30/2025
Supervised By :mohammad
ahmed

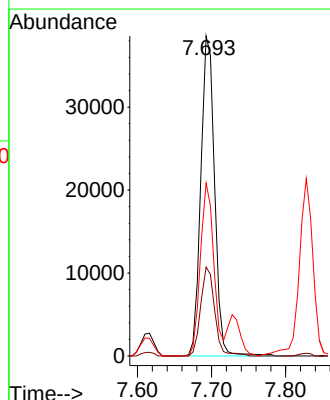
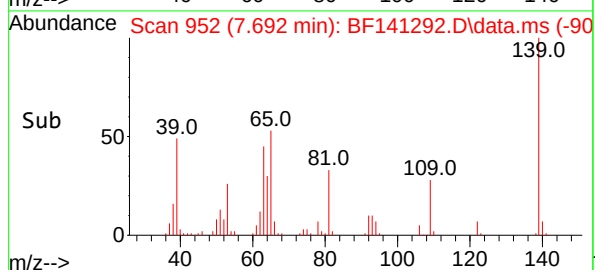
02/04/2025

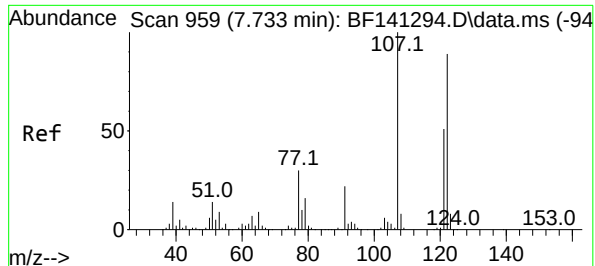


#26
2-Nitrophenol
Concen: 10.167 ng
RT: 7.692 min Scan# 952
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49



Tgt Ion:139 Resp: 49783
Ion Ratio Lower Upper
139 100
109 27.8 23.8 35.6
65 54.0 42.2 63.4





#27

2,4-Dimethylphenol

Concen: 10.177 ng m

RT: 7.728 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:122 Resp: 6368

Ion Ratio Lower Upper

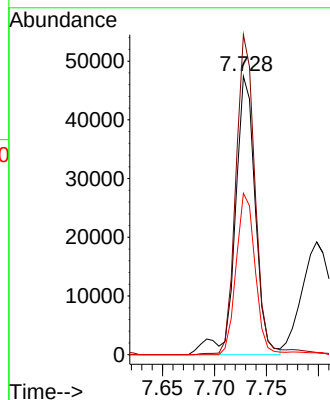
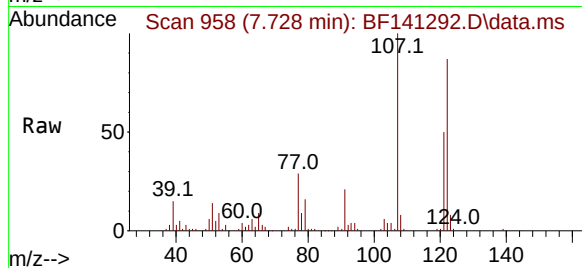
122 100

107 114.9 89.9 134.9

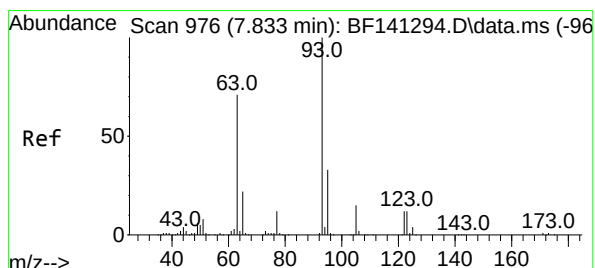
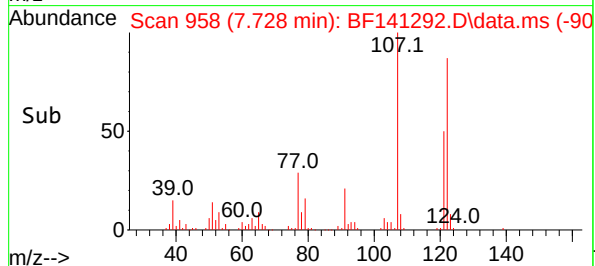
121 58.0 46.1 69.1

Manual Integrations

APPROVED

Reviewed By :Yogesh
Patel01/30/2025
Supervised By :mohammad
ahmed

02/04/2025



#28

bis(2-Chloroethoxy)methane

Concen: 10.561 ng

RT: 7.828 min Scan# 975

Delta R.T. -0.006 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

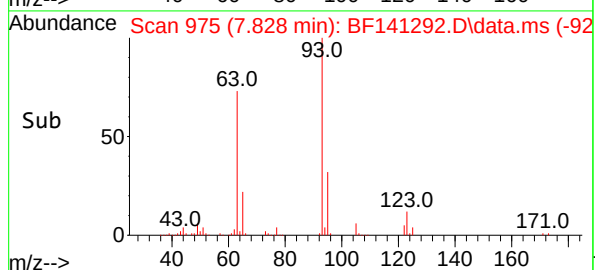
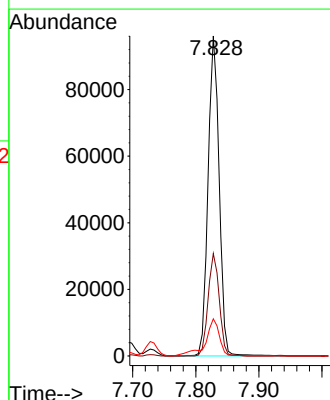
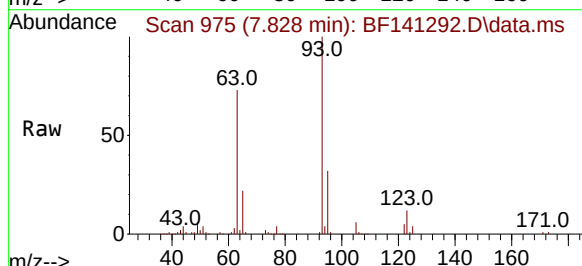
Tgt Ion: 93 Resp: 117232

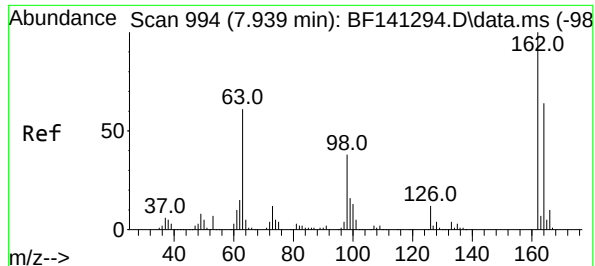
Ion Ratio Lower Upper

93 100

95 32.0 26.2 39.2

123 11.6 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 10.457 ng

RT: 7.934 min Scan# 994

Delta R.T. -0.006 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

Tgt Ion:162 Resp: 79949

Ion Ratio Lower Upper

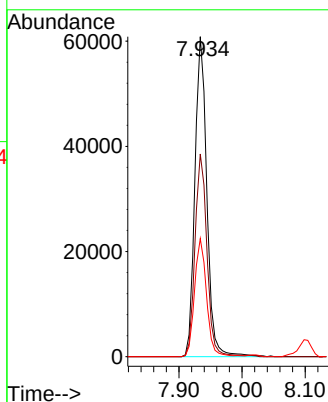
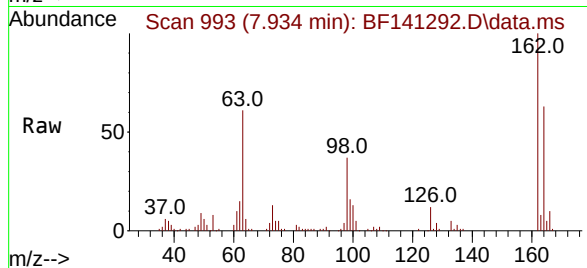
162 100

164 63.4 44.2 84.2

98 36.9 18.2 58.2

Manual Integrations

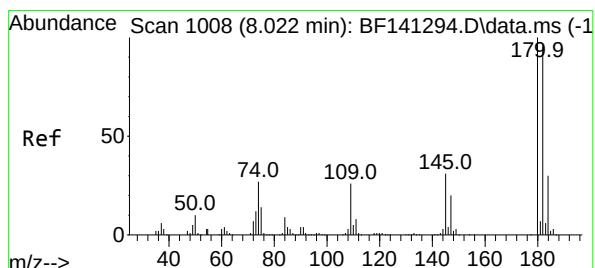
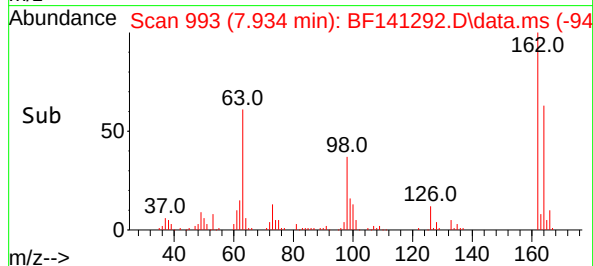
APPROVED

Reviewed By :Yogesh
Patel

01/30/2025

Supervised By :mohammad
ahmed

02/04/2025



#30

1,2,4-Trichlorobenzene

Concen: 10.767 ng

RT: 8.022 min Scan# 1008

Delta R.T. 0.000 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

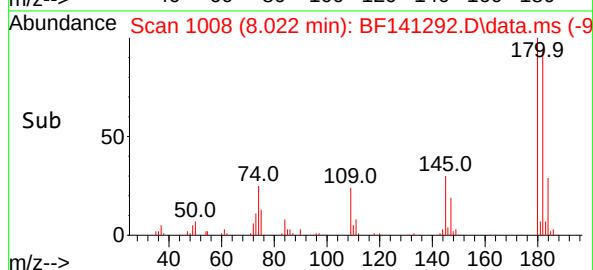
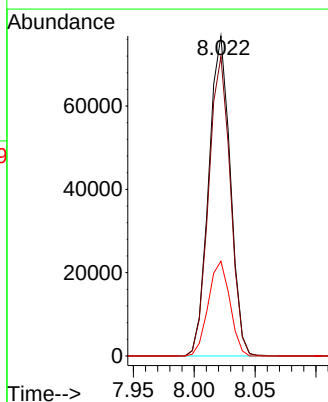
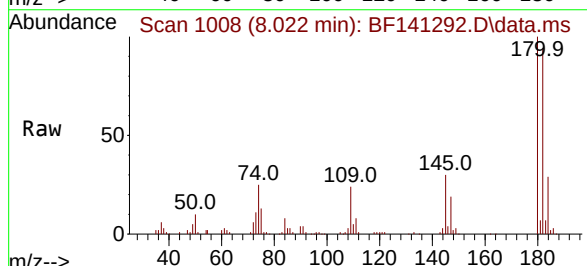
Tgt Ion:180 Resp: 94419

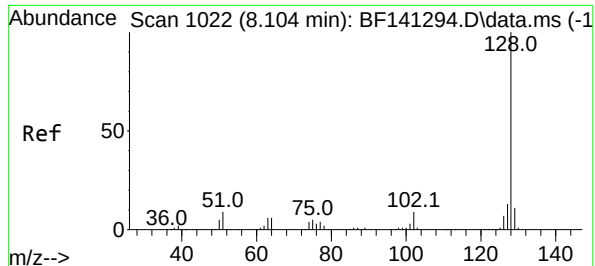
Ion Ratio Lower Upper

180 100

182 93.6 76.4 114.6

145 29.6 24.9 37.3





#31

Naphthalene

Concen: 10.887 ng

RT: 8.098 min Scan# 1022

Delta R.T. -0.006 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

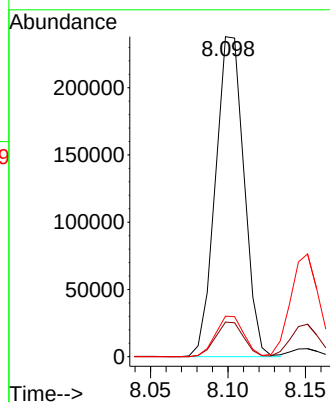
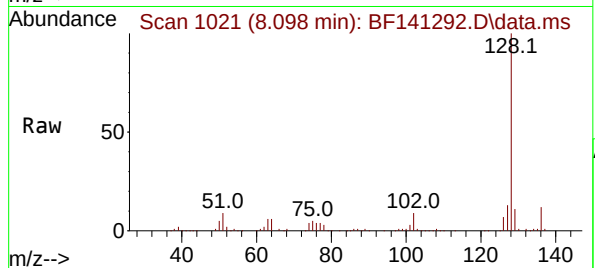
ClientSampleId :

SSTDICC010

Tgt Ion:128 Resp: 305380
Ion Ratio Lower Upper
128 100
129 10.8 8.9 13.3
127 12.7 10.6 15.8

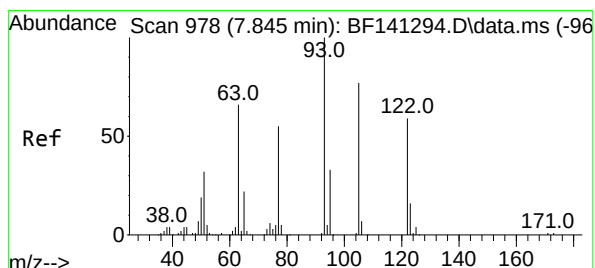
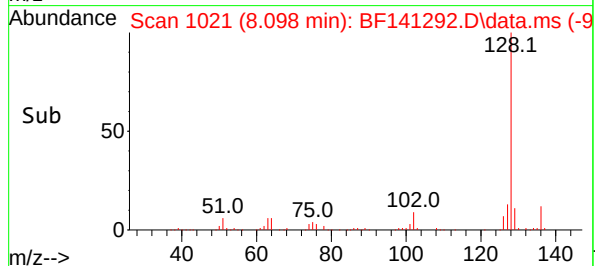
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel



01/30/2025
Supervised By :mohammad
ahmed

02/04/2025



#32

Benzoic acid

Concen: 8.367 ng

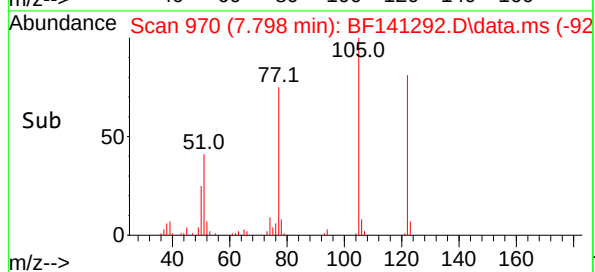
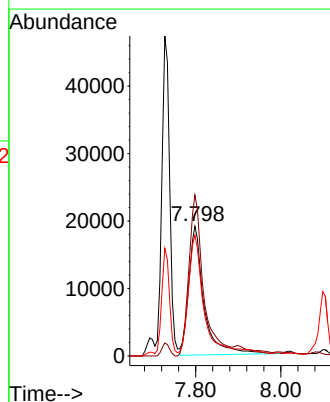
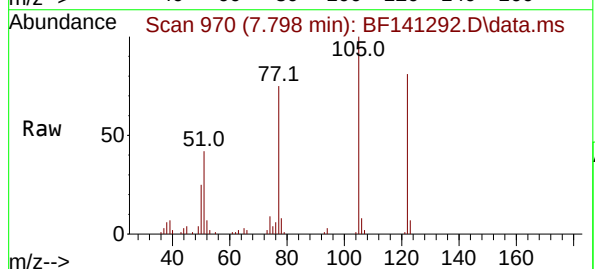
RT: 7.798 min Scan# 970

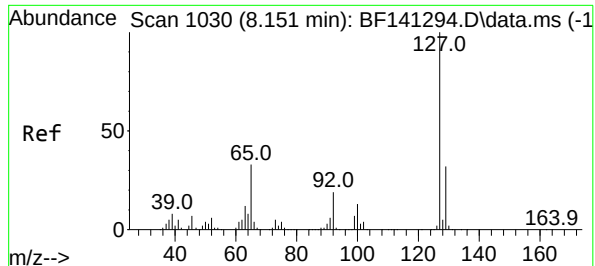
Delta R.T. -0.047 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Tgt Ion:122 Resp: 47549
Ion Ratio Lower Upper
122 100
105 124.1 103.4 143.4
77 93.0 70.9 110.9





#33

4-Chloroaniline

Concen: 10.703 ng

RT: 8.151 min Scan# 1030

Delta R.T. 0.000 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

Tgt Ion:127 Resp: 10085

Ion Ratio Lower Upper

127 100

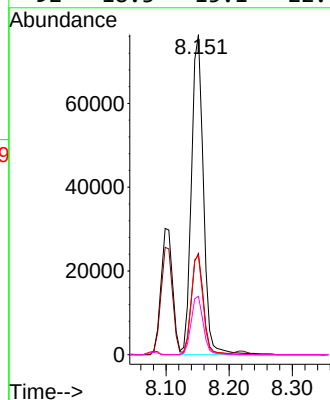
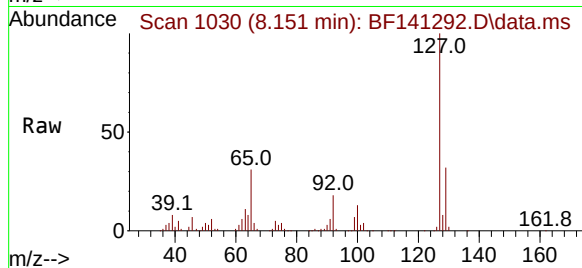
129 31.7 25.7 38.5

65 30.9 26.4 39.6

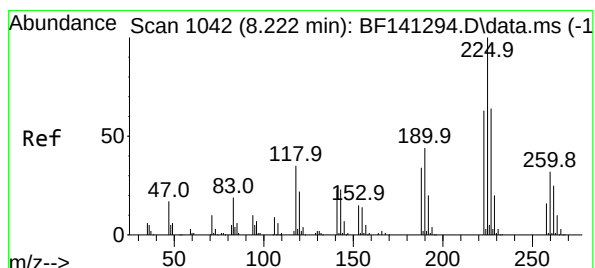
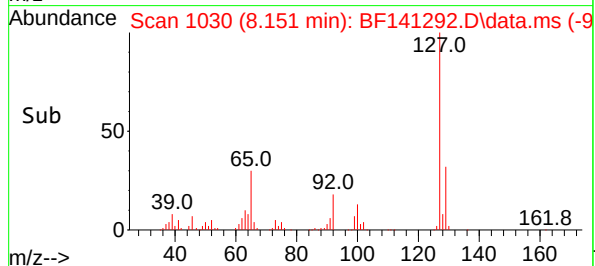
92 18.3 15.1 22.7

Manual Integrations

APPROVED

Reviewed By :Yogesh
Patel01/30/2025
Supervised By :mohammad
ahmed

02/04/2025



#34

Hexachlorobutadiene

Concen: 10.736 ng

RT: 8.222 min Scan# 1042

Delta R.T. 0.000 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

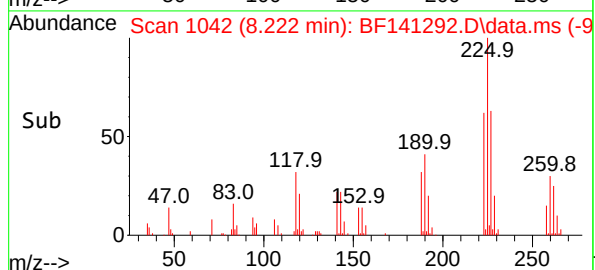
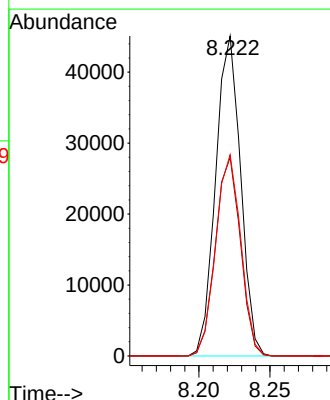
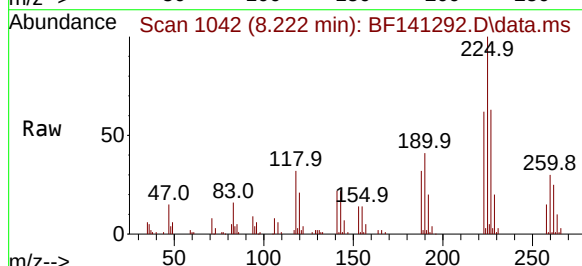
Tgt Ion:225 Resp: 55103

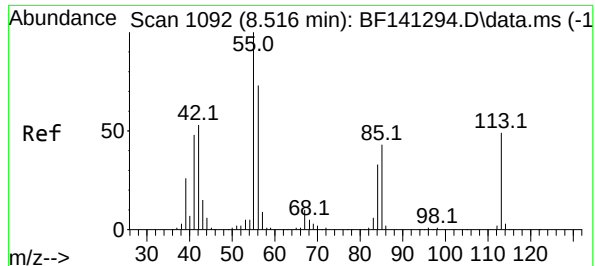
Ion Ratio Lower Upper

225 100

223 62.0 50.4 75.6

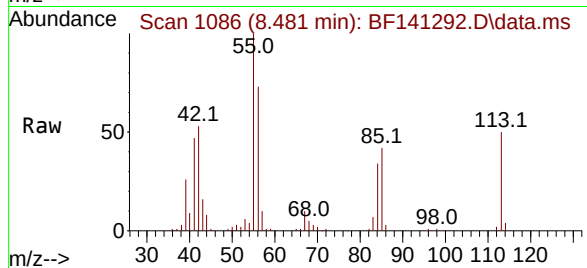
227 62.9 51.3 76.9





#35
Caprolactam
Concen: 10.256 ng
RT: 8.481 min Scan# 1086
Delta R.T. -0.035 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

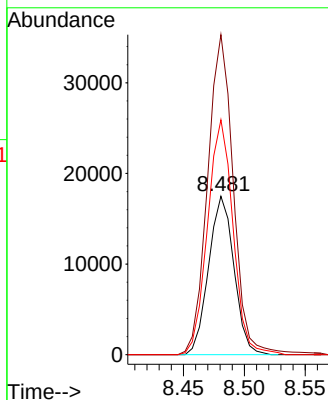
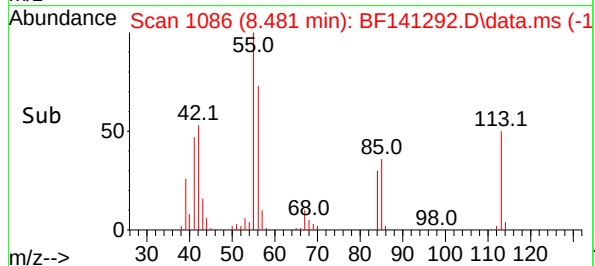
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:113 Resp: 2536
Ion Ratio Lower Upper
113 100
55 201.9 182.9 222.9
56 148.2 127.9 167.9

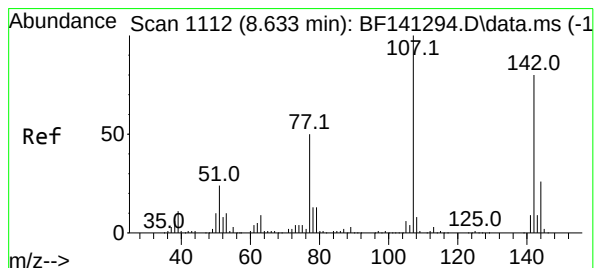
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel



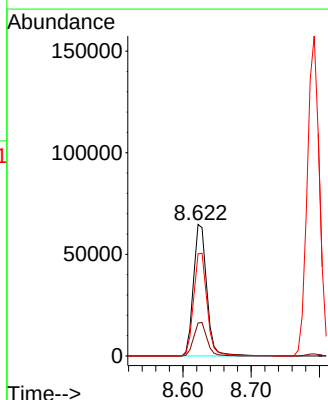
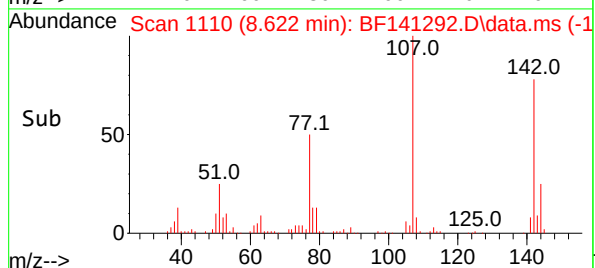
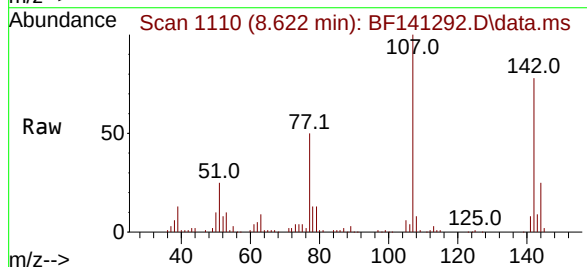
01/30/2025
Supervised By :mohammad
ahmed

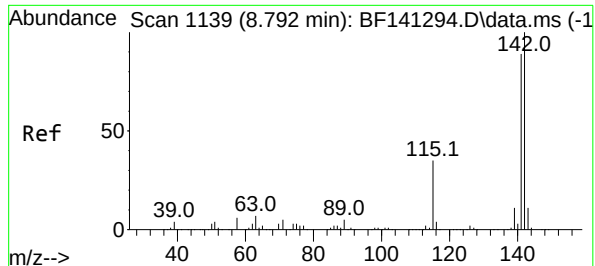
02/04/2025



#36
4-Chloro-3-methylphenol
Concen: 10.674 ng
RT: 8.622 min Scan# 1110
Delta R.T. -0.012 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

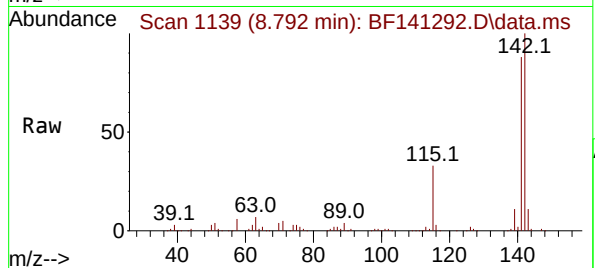
Tgt Ion:107 Resp: 87592
Ion Ratio Lower Upper
107 100
144 25.1 20.7 31.1
142 77.6 63.8 95.8





#37
2-Methylnaphthalene
Concen: 10.925 ng
RT: 8.792 min Scan# 1139
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

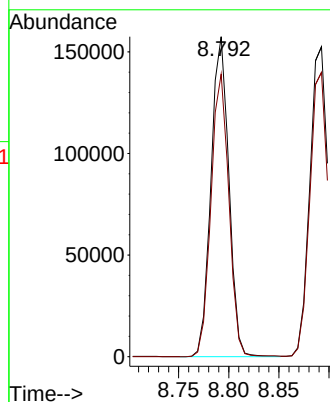
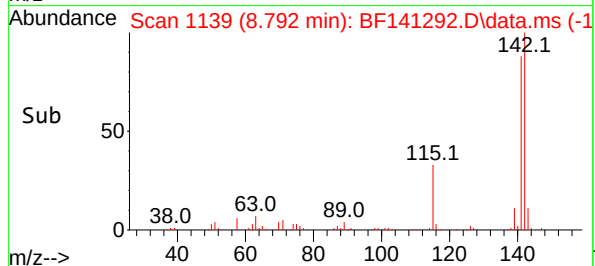
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:142 Resp: 195160
Ion Ratio Lower Upper
142 100
141 88.3 71.3 106.9

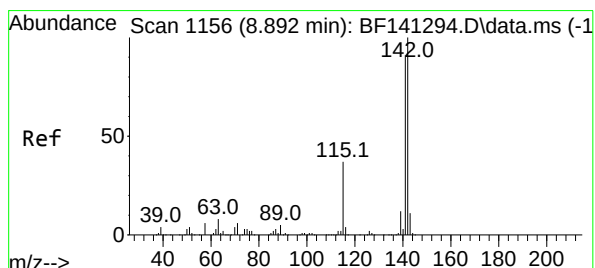
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel



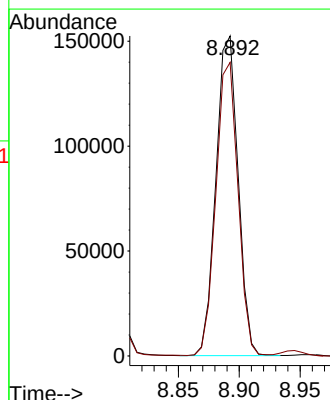
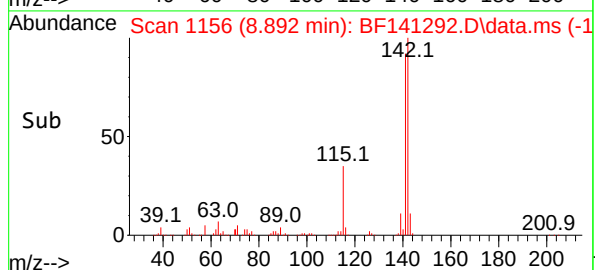
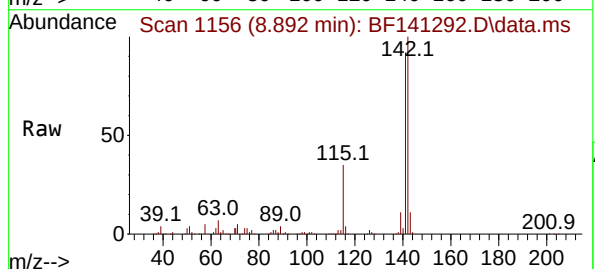
01/30/2025
Supervised By :mohammad
ahmed

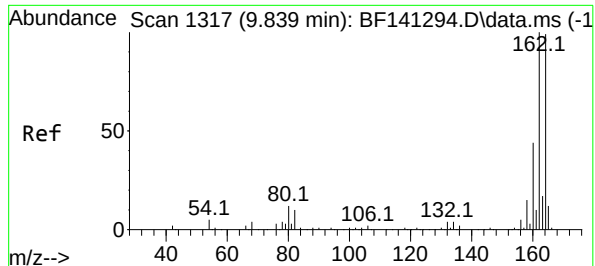
02/04/2025



#38
1-Methylnaphthalene
Concen: 11.022 ng
RT: 8.892 min Scan# 1156
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:142 Resp: 192861
Ion Ratio Lower Upper
142 100
141 91.7 73.2 109.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.834 min Scan# 1167

Delta R.T. -0.006 min

Lab File: BF141292.D

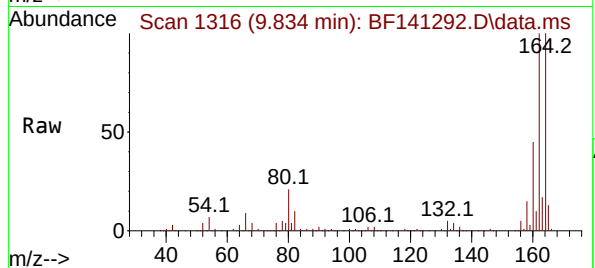
Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC010



Tgt Ion:164 Resp: 28955

Ion Ratio Lower Upper

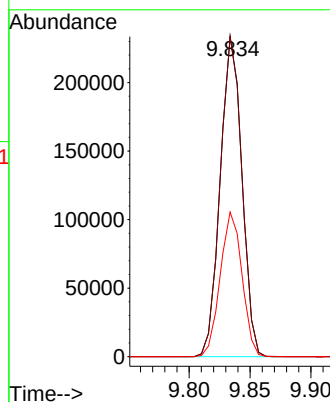
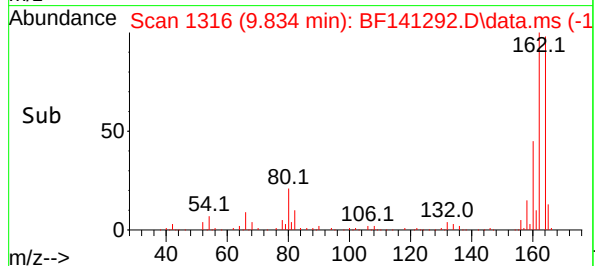
164 100

162 100.0 80.6 121.0

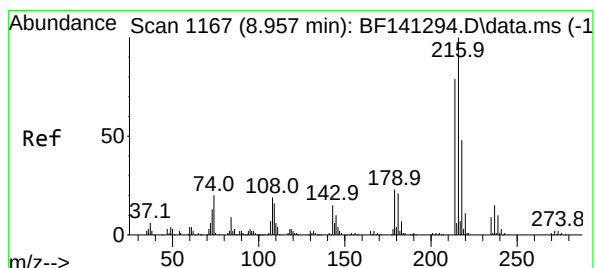
160 45.2 35.8 53.6

Manual Integrations

APPROVED

Reviewed By :Yogesh
Patel01/30/2025
Supervised By :mohammad
ahmed

02/04/2025



#40

1,2,4,5-Tetrachlorobenzene

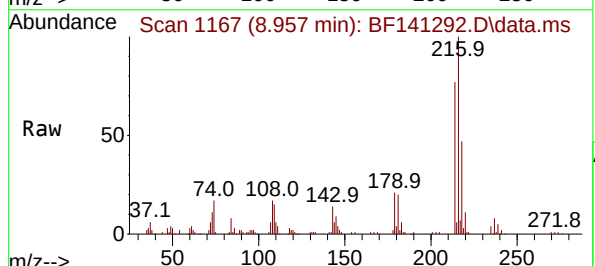
Concen: 10.775 ng

RT: 8.957 min Scan# 1167

Delta R.T. 0.000 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49



Tgt Ion:216 Resp: 88710

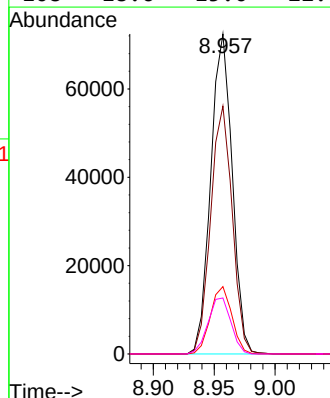
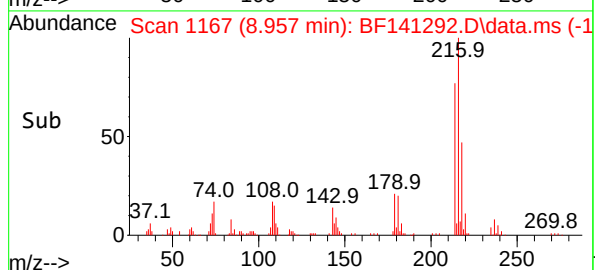
Ion Ratio Lower Upper

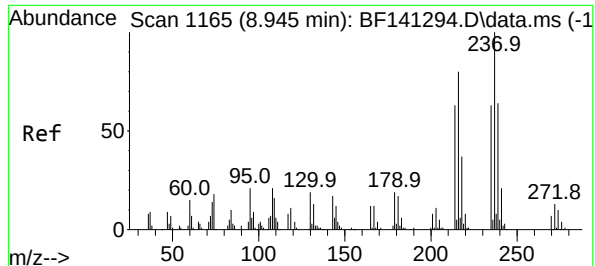
216 100

214 77.8 63.2 94.8

179 21.1 17.8 26.8

108 18.6 15.0 22.6





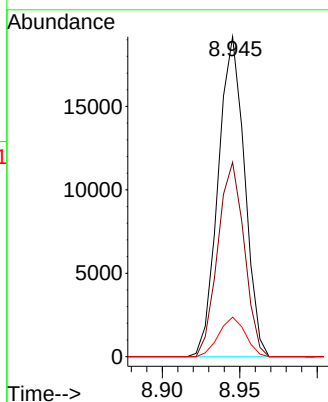
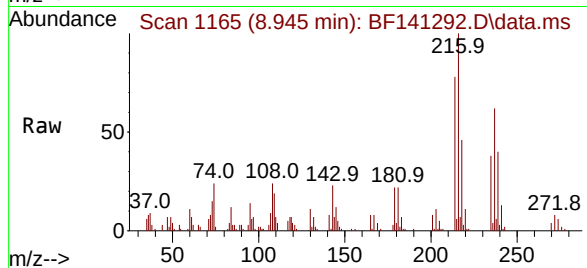
#41
Hexachlorocyclopentadiene
Concen: 9.212 ng
RT: 8.945 min Scan# 1165
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 237 Resp: 22759
Ion Ratio Lower Upper
237 100
235 60.8 42.9 82.9
272 12.3 0.0 32.8

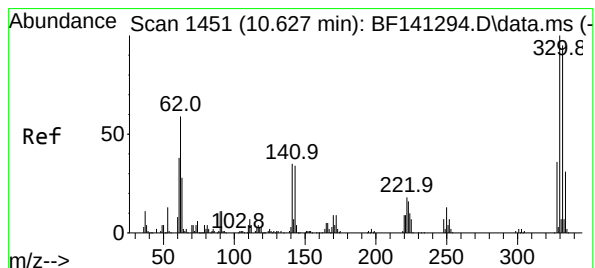
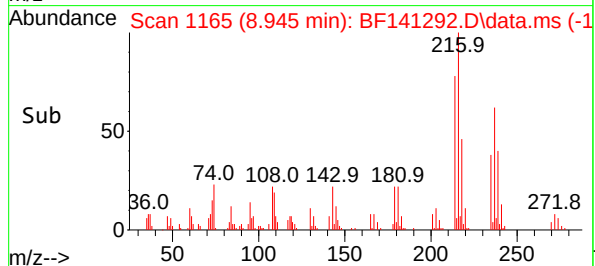
Manual Integrations
APPROVED

Reviewed By : Yogesh
Patel



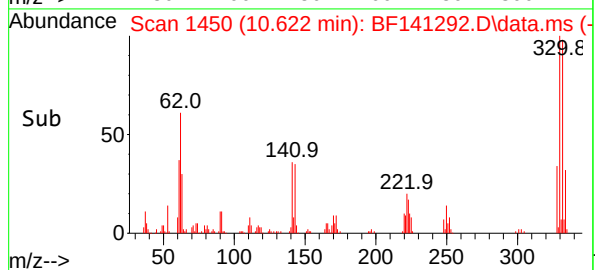
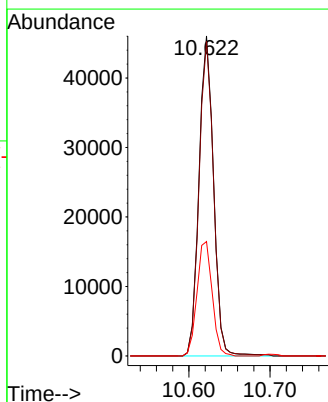
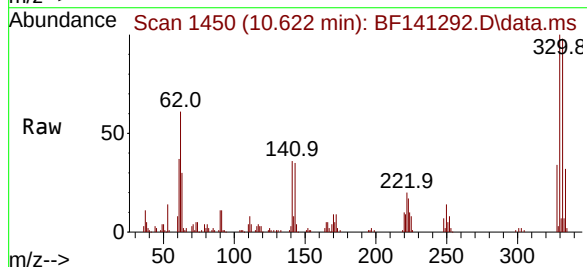
01/30/2025
Supervised By : mohammad
ahmed

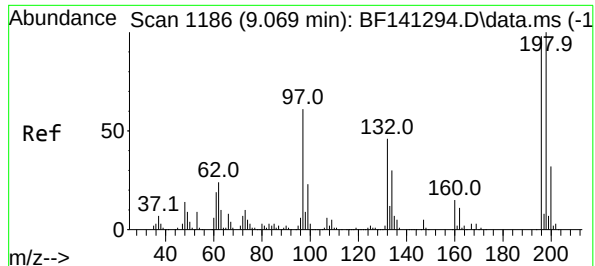
02/04/2025



#42
2,4,6-Tribromophenol
Concen: 21.761 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion: 330 Resp: 57417
Ion Ratio Lower Upper
330 100
332 98.0 76.1 114.1
141 37.3 28.8 43.2





#43

2,4,6-Trichlorophenol

Concen: 10.241 ng

RT: 9.069 min Scan# 1186

Delta R.T. 0.000 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

Tgt Ion:196 Resp: 55030

Ion Ratio Lower Upper

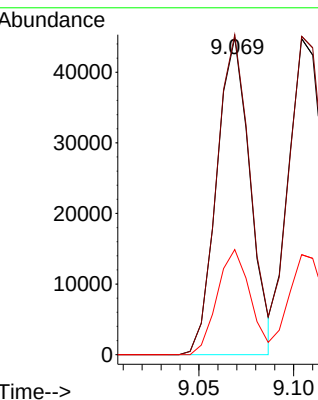
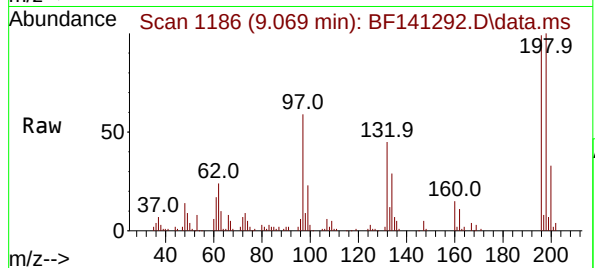
196 100

198 101.0 81.8 122.6

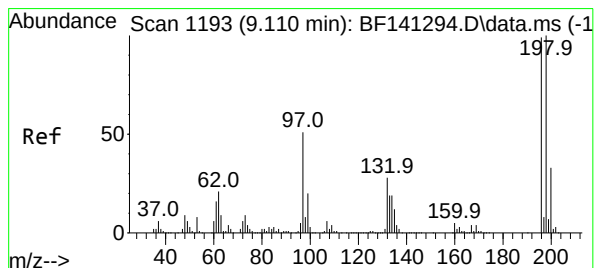
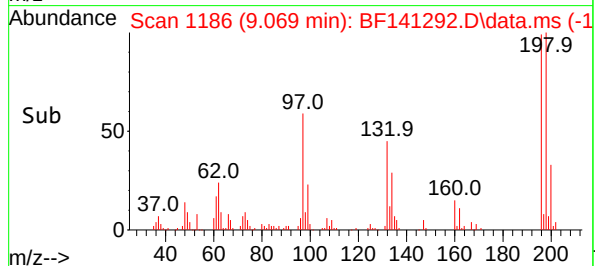
200 33.2 26.3 39.5

Manual Integrations

APPROVED

Reviewed By :Yogesh
Patel01/30/2025
Supervised By :mohammad
ahmed

02/04/2025



#44

2,4,5-Trichlorophenol

Concen: 10.518 ng

RT: 9.104 min Scan# 1192

Delta R.T. -0.006 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Tgt Ion:196 Resp: 61493

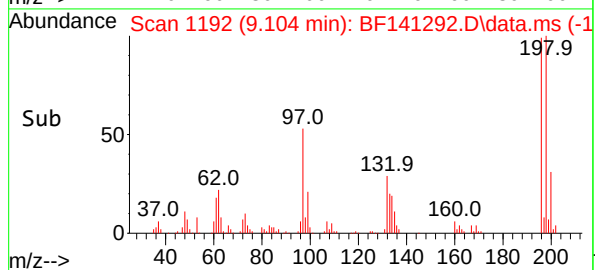
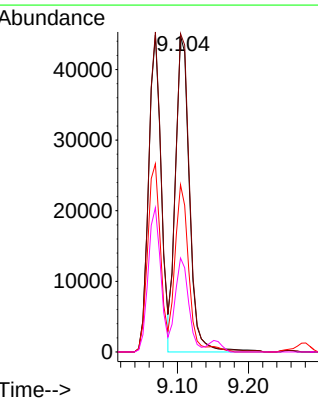
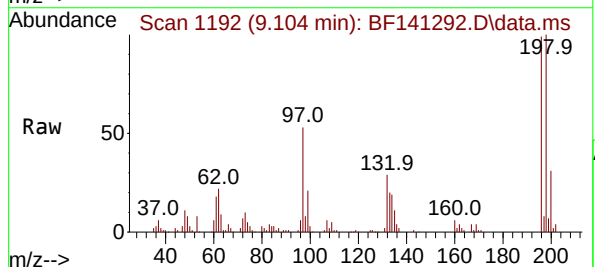
Ion Ratio Lower Upper

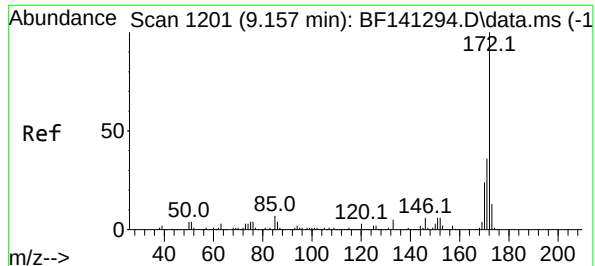
196 100

198 100.8 80.5 120.7

97 52.9 42.8 64.2

132 29.7 23.5 35.3





#45

2-Fluorobiphenyl

Concen: 22.581 ng

RT: 9.151 min Scan# 1200

Delta R.T. -0.006 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:172 Resp: 42385

Ion Ratio Lower Upper

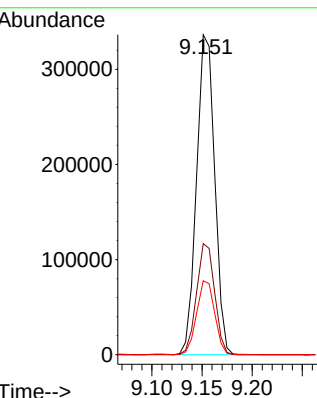
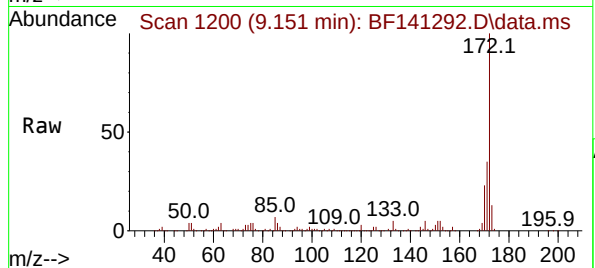
172 100

171 34.7 28.8 43.2

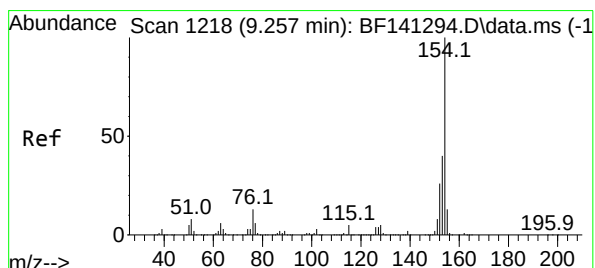
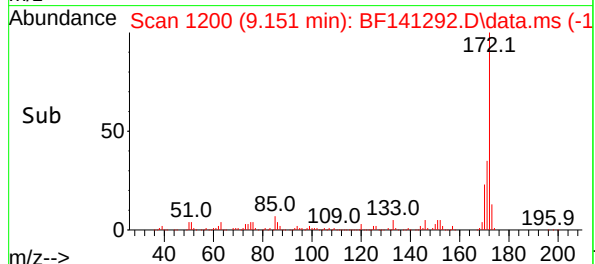
170 23.1 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Yogesh
Patel01/30/2025
Supervised By :mohammad
ahmed

02/04/2025



#46

1,1'-Biphenyl

Concen: 10.847 ng

RT: 9.257 min Scan# 1218

Delta R.T. 0.000 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

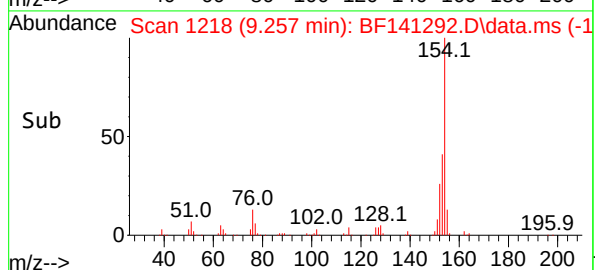
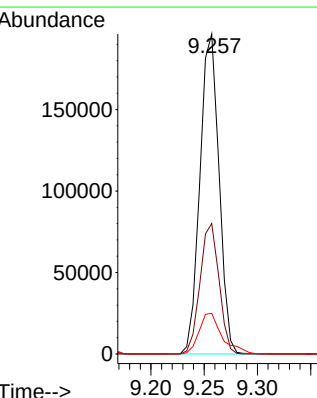
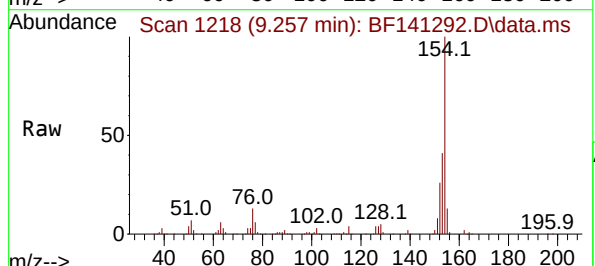
Tgt Ion:154 Resp: 245028

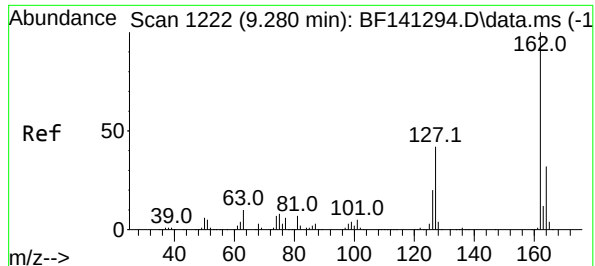
Ion Ratio Lower Upper

154 100

153 40.8 20.0 60.0

76 12.7 0.0 32.8





#47

2-Chloronaphthalene

Concen: 10.812 ng

RT: 9.281 min Scan# 1222

Delta R.T. 0.000 min

Lab File: BF141292.D

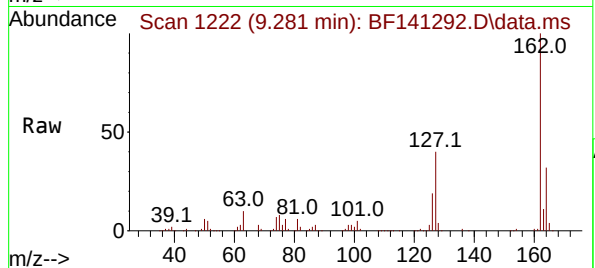
Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC010



Tgt Ion:162 Resp: 189709

Ion Ratio Lower Upper

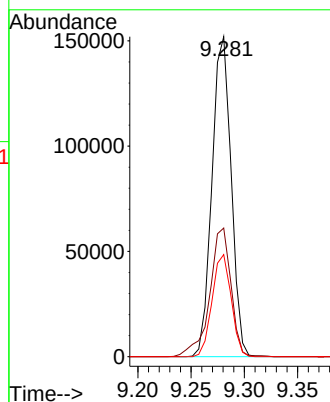
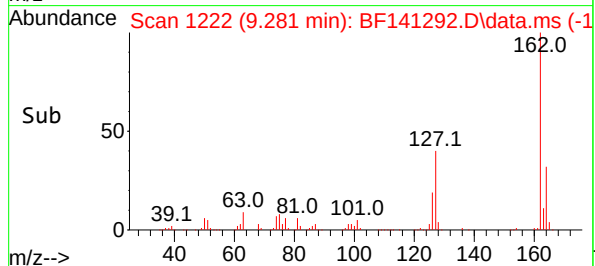
162 100

127 40.2 33.7 50.5

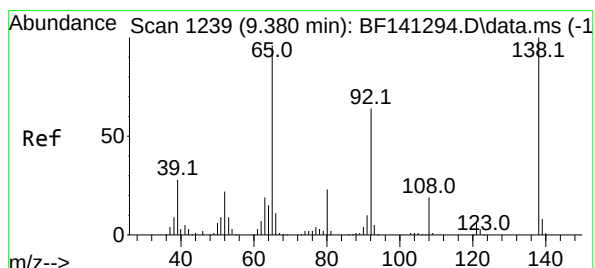
164 31.9 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Yogesh
Patel01/30/2025
Supervised By :mohammad
ahmed

02/04/2025



#48

2-Nitroaniline

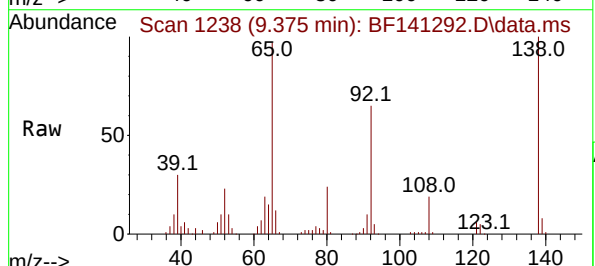
Concen: 10.164 ng

RT: 9.375 min Scan# 1238

Delta R.T. -0.006 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49



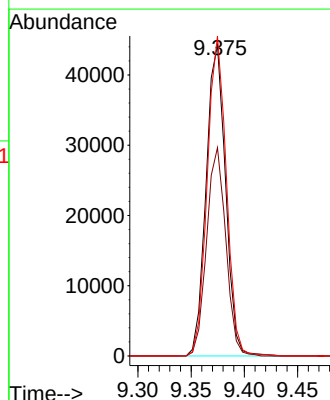
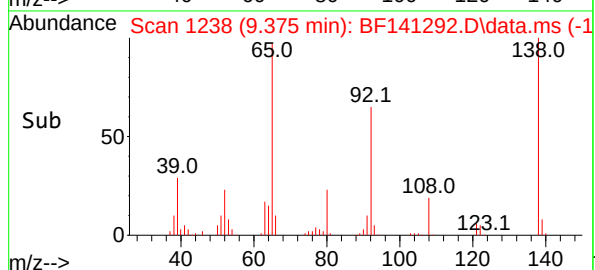
Tgt Ion: 65 Resp: 56247

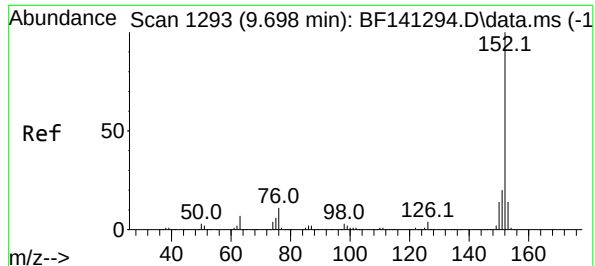
Ion Ratio Lower Upper

65 100

92 67.0 53.3 79.9

138 102.9 83.6 125.4





#49

Acenaphthylene

Concen: 10.895 ng

RT: 9.692 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

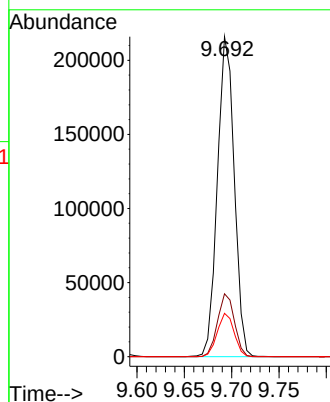
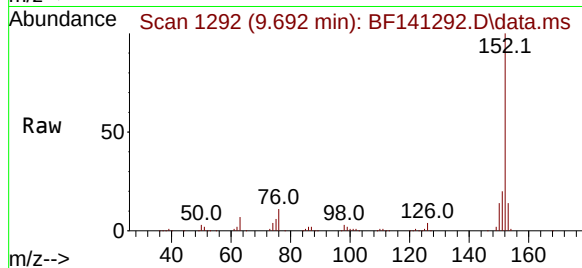
Instrument :

BNA_F

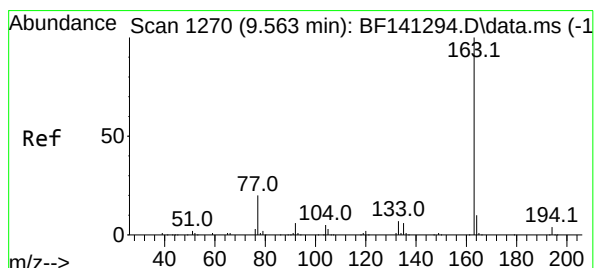
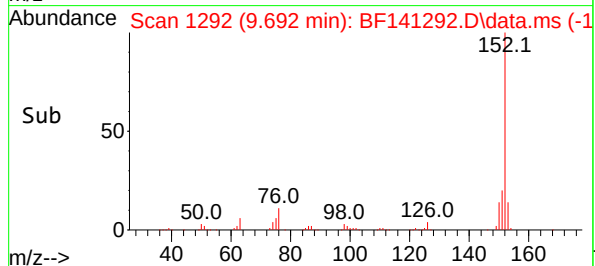
ClientSampleId :

SSTDICC010

Tgt Ion:	152	Resp:	26847
Ion Ratio	Lower	Upper	
152	100		
151	19.7	16.2	24.2
153	13.6	11.0	16.6

Manual Integrations
APPROVEDReviewed By :Yogesh
Patel01/30/2025
Supervised By :mohammad
ahmed

02/04/2025



#50

Dimethylphthalate

Concen: 10.857 ng

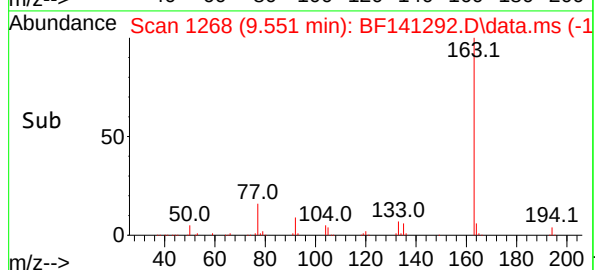
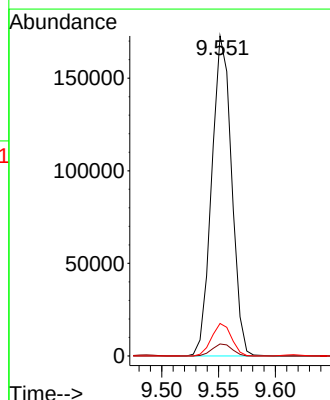
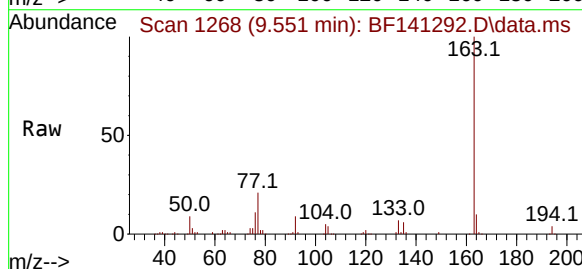
RT: 9.551 min Scan# 1268

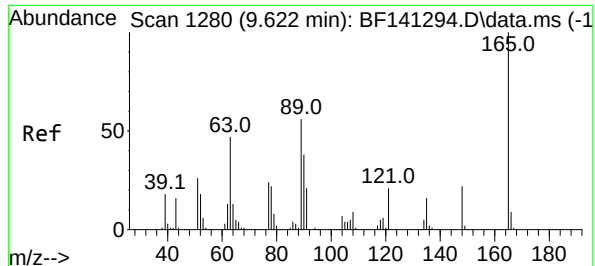
Delta R.T. -0.012 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Tgt Ion:	163	Resp:	210816
Ion Ratio	Lower	Upper	
163	100		
194	3.7	3.0	4.6
164	10.2	8.0	12.0





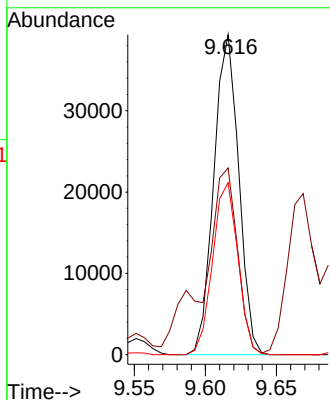
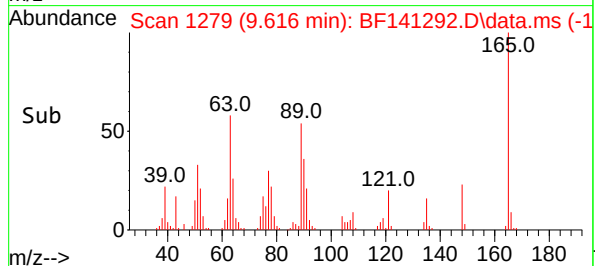
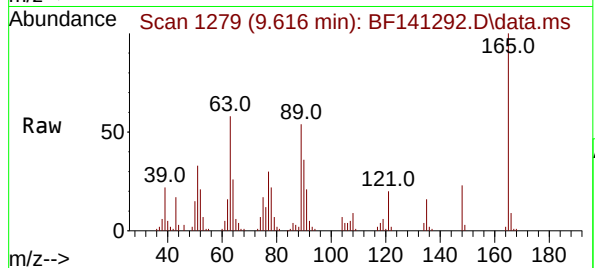
#51
2,6-Dinitrotoluene
Concen: 10.613 ng
RT: 9.616 min Scan# 1279
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 4795
Ion Ratio Lower Upper
165 100
63 58.3 48.1 72.1
89 53.7 44.9 67.3

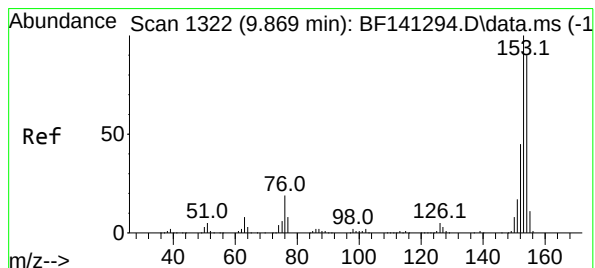
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel



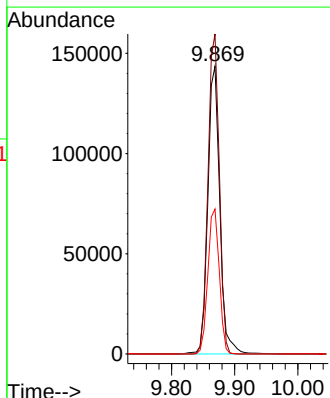
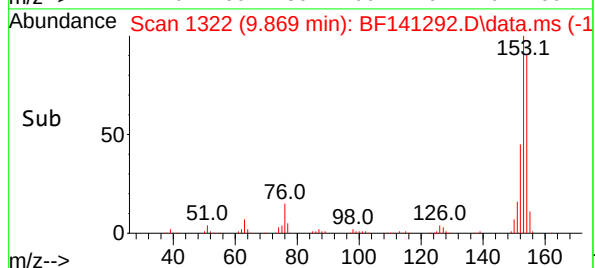
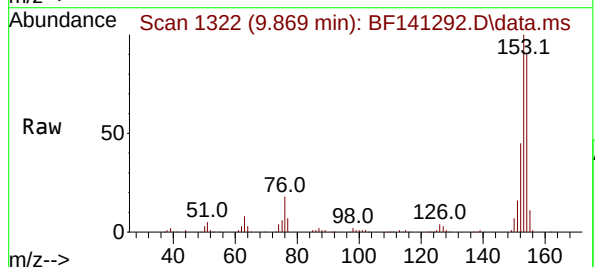
01/30/2025
Supervised By :mohammad
ahmed

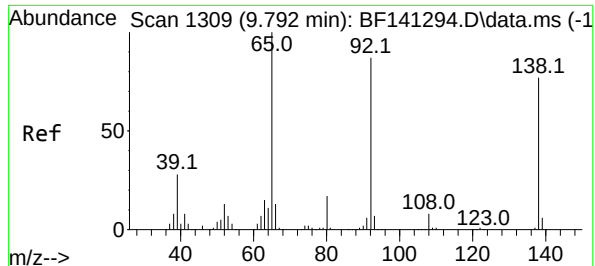
02/04/2025



#52
Acenaphthene
Concen: 10.738 ng
RT: 9.869 min Scan# 1322
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

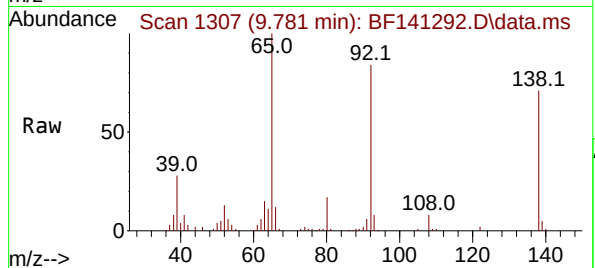
Tgt Ion:154 Resp: 188283
Ion Ratio Lower Upper
154 100
153 111.2 89.0 133.4
152 50.4 40.2 60.4





#53
3-Nitroaniline
Concen: 10.699 ng
RT: 9.781 min Scan# 1307
Delta R.T. -0.012 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

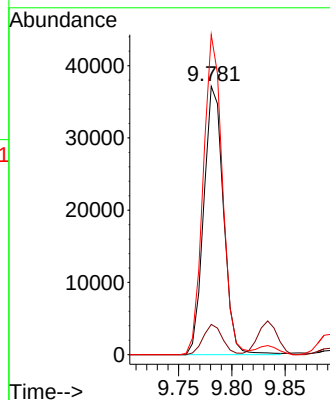
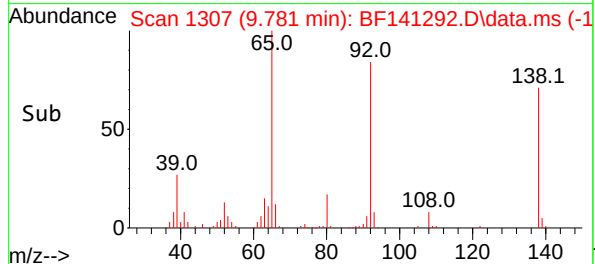
Instrument :
BNA_F
ClientSampleId :
SSTDIC010



Tgt Ion:138 Resp: 47818
Ion Ratio Lower Upper
138 100
108 11.3 8.6 12.8
92 119.2 91.0 136.6

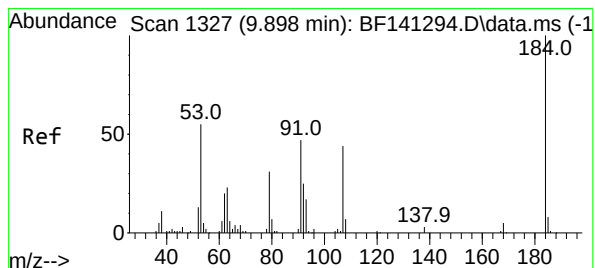
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel



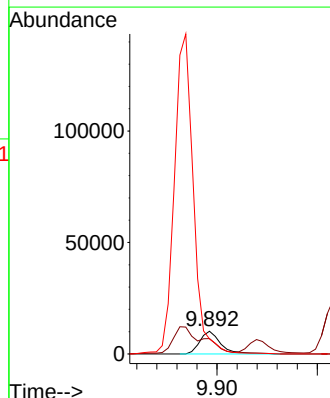
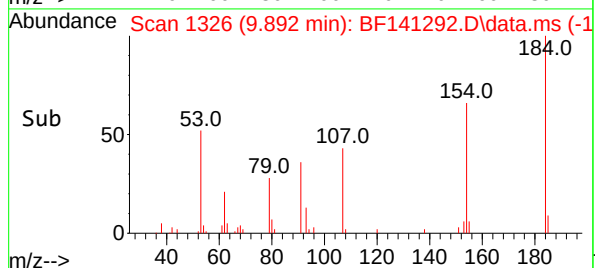
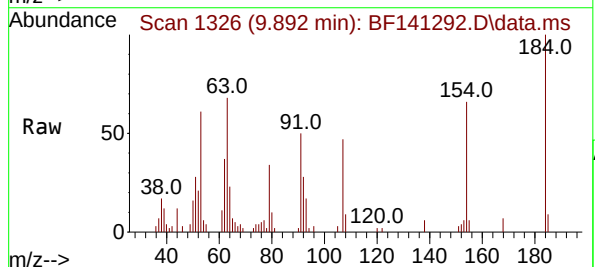
01/30/2025
Supervised By :mohammad
ahmed

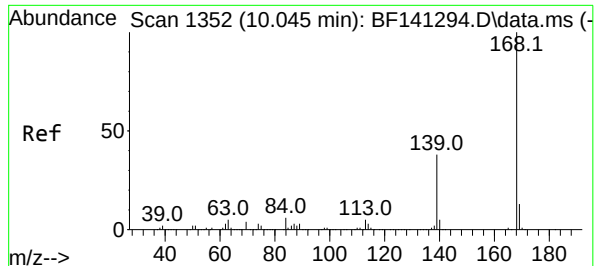
02/04/2025



#54
2,4-Dinitrophenol
Concen: 6.925 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:184 Resp: 14749
Ion Ratio Lower Upper
184 100
63 67.9 54.1 81.1
154 66.2 50.7 76.1





#55

Dibenzenofuran

Concen: 11.038 ng

RT: 10.039 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:168 Resp: 25883

Ion Ratio Lower Upper

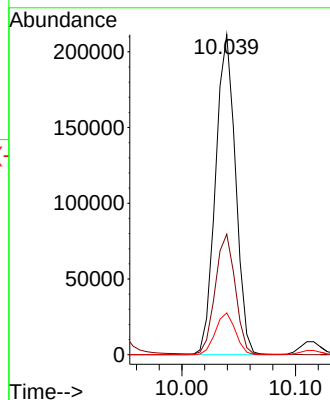
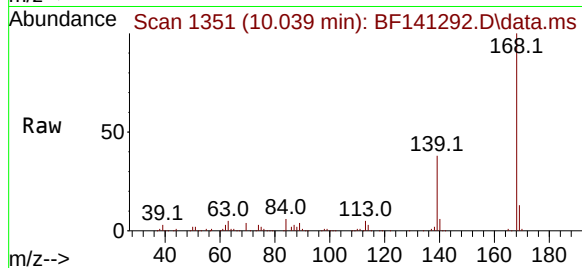
168 100

139 37.7 30.6 46.0

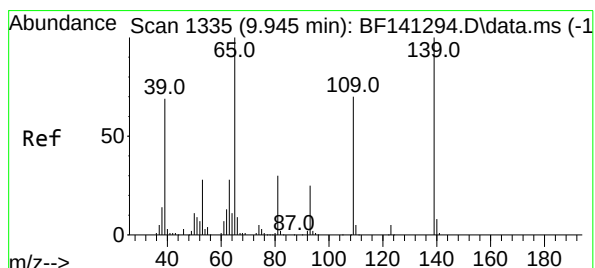
169 13.1 10.8 16.2

Manual Integrations

APPROVED

Reviewed By :Yogesh
Patel01/30/2025
Supervised By :mohammad
ahmed

02/04/2025



#56

4-Nitrophenol

Concen: 9.722 ng

RT: 9.939 min Scan# 1334

Delta R.T. -0.006 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

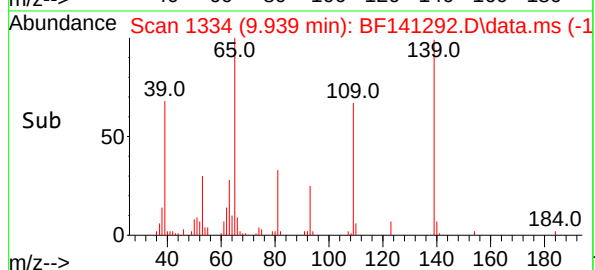
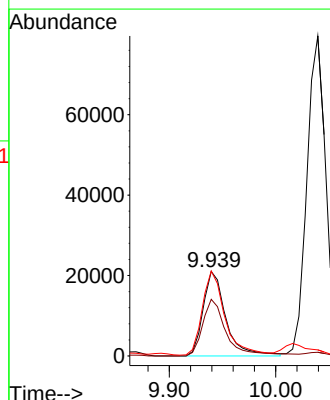
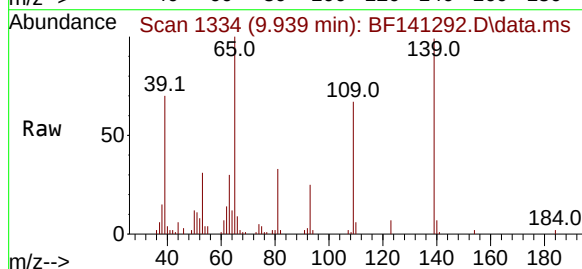
Tgt Ion:139 Resp: 31196

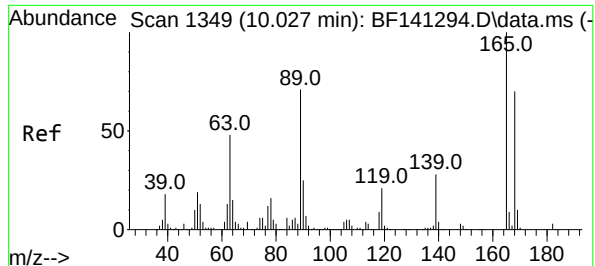
Ion Ratio Lower Upper

139 100

109 67.1 50.2 90.2

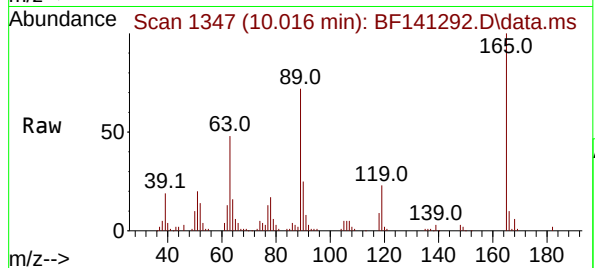
65 100.6 80.6 120.6





#57
2,4-Dinitrotoluene
Concen: 10.710 ng
RT: 10.016 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

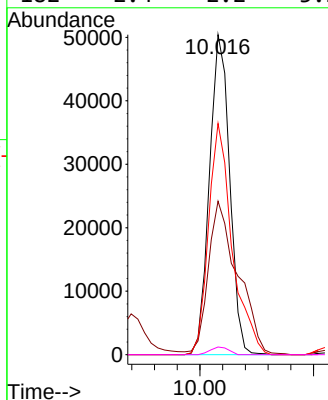
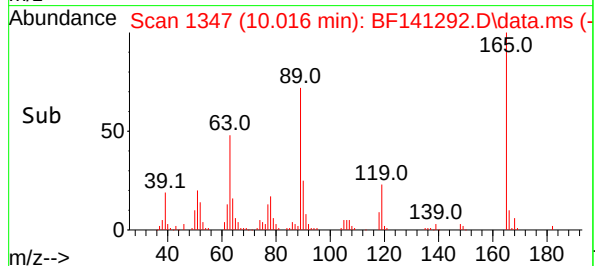
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:165 Resp: 62418
Ion Ratio Lower Upper
165 100
63 48.0 39.2 58.8
89 72.2 56.9 85.3
182 2.4 2.2 3.2

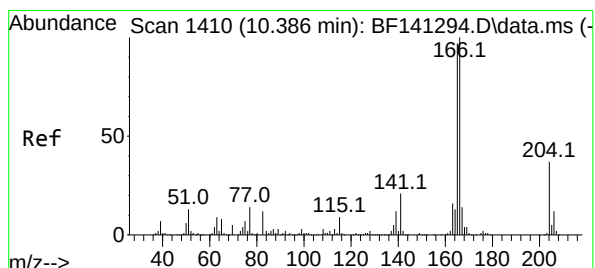
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel



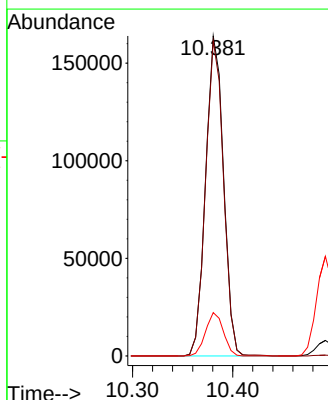
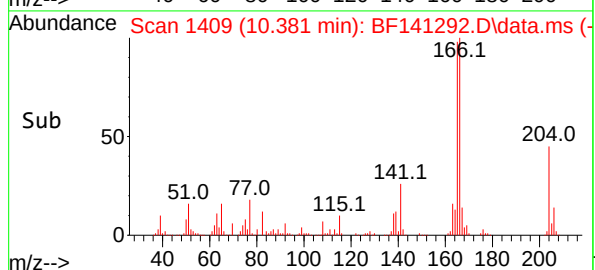
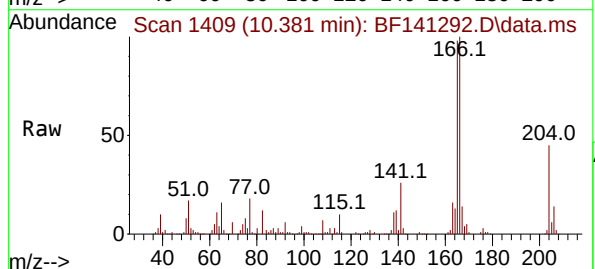
01/30/2025
Supervised By :mohammad
ahmed

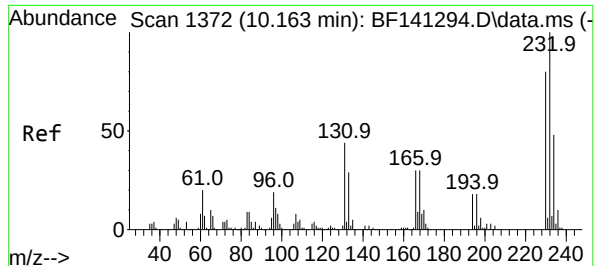
02/04/2025



#58
Fluorene
Concen: 11.197 ng
RT: 10.381 min Scan# 1409
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

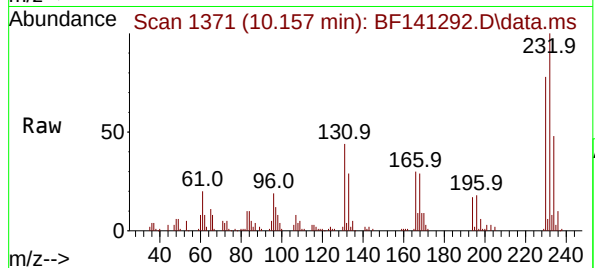
Tgt Ion:166 Resp: 204141
Ion Ratio Lower Upper
166 100
165 98.4 77.5 116.3
167 13.6 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 10.737 ng
RT: 10.157 min Scan# 1371
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

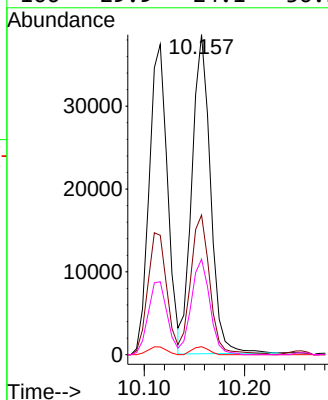
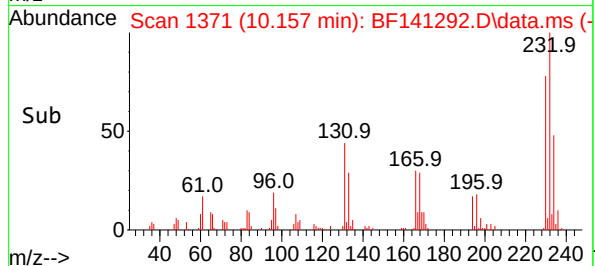
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:232 Resp: 49590
Ion Ratio Lower Upper
232 100
131 45.2 36.4 54.6
130 2.2 1.9 2.9
166 29.9 24.1 36.1

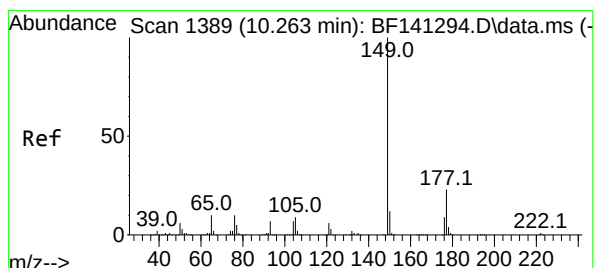
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel



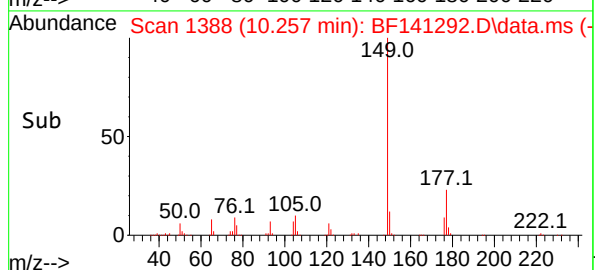
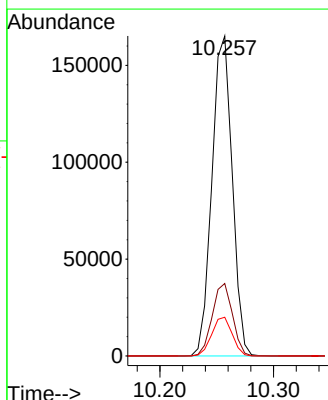
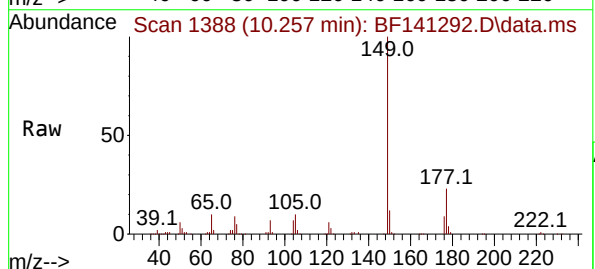
01/30/2025
Supervised By :mohammad
ahmed

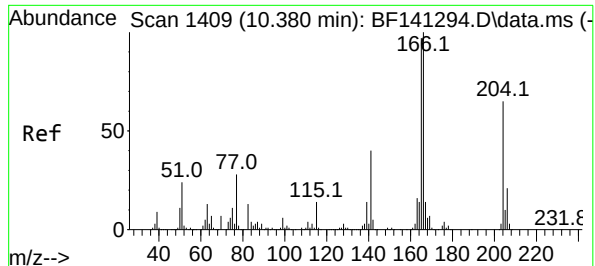
02/04/2025



#60
Diethylphthalate
Concen: 10.908 ng
RT: 10.257 min Scan# 1388
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

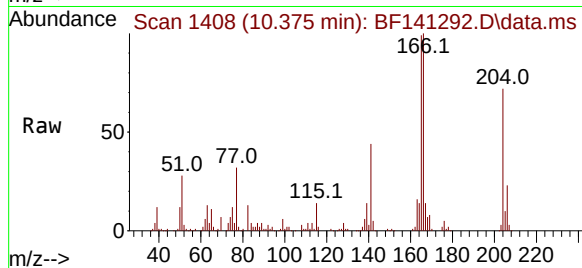
Tgt Ion:149 Resp: 205131
Ion Ratio Lower Upper
149 100
177 22.7 18.5 27.7
150 12.1 10.0 15.0





#61
4-Chlorophenyl-phenylether
Concen: 11.294 ng
RT: 10.375 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

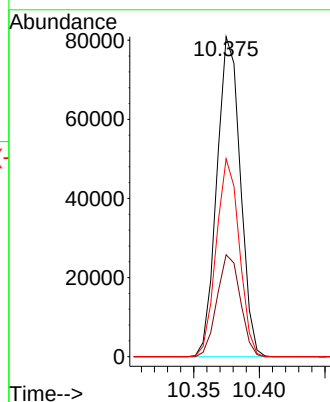
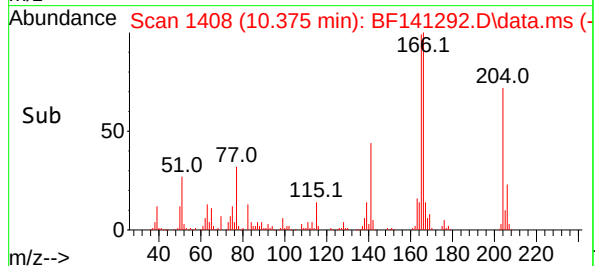
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:204 Resp: 100485
Ion Ratio Lower Upper
204 100
206 31.9 25.9 38.9
141 61.8 49.5 74.3

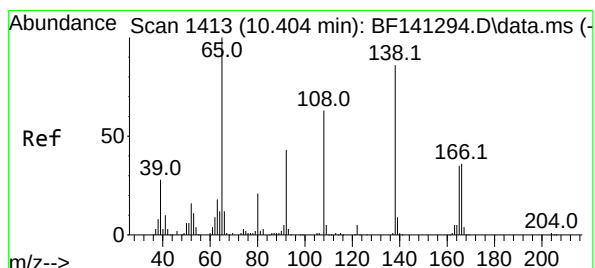
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel



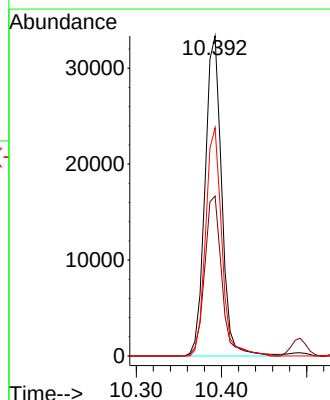
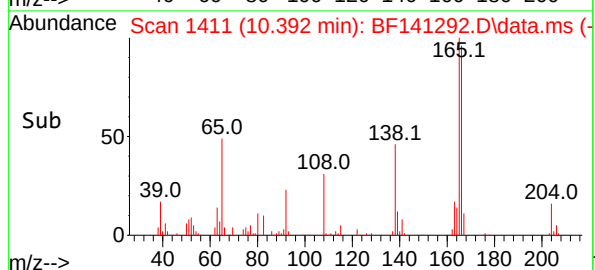
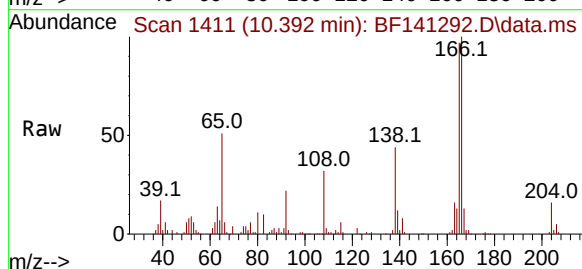
01/30/2025
Supervised By :mohammad
ahmed

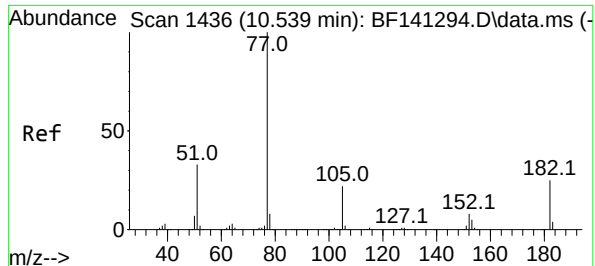
02/04/2025



#62
4-Nitroaniline
Concen: 10.533 ng
RT: 10.392 min Scan# 1411
Delta R.T. -0.012 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

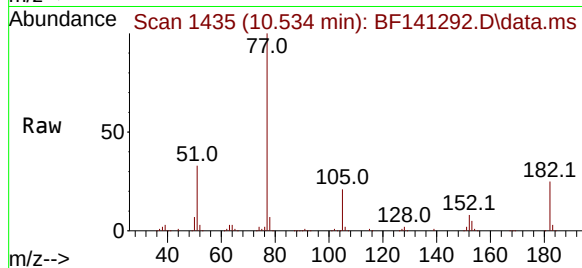
Tgt Ion:138 Resp: 45222
Ion Ratio Lower Upper
138 100
92 50.0 30.1 70.1
108 71.3 53.1 93.1





#63
Azobenzene
Concen: 10.839 ng
RT: 10.534 min Scan# 1435
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

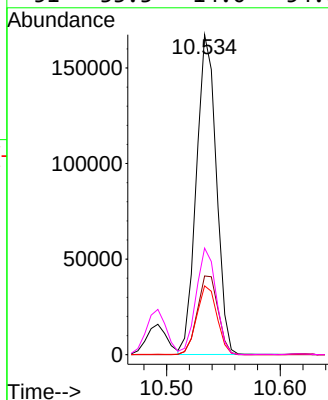
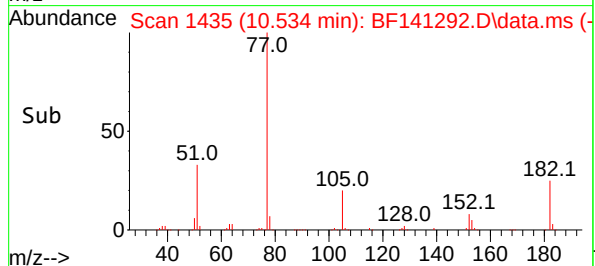
Instrument :
BNA_F
ClientSampleId :
SSTDIC010



Tgt Ion: 77 Resp: 204300
Ion Ratio Lower Upper
77 100
182 24.6 5.1 45.1
105 21.5 1.8 41.8
51 33.3 14.0 54.0

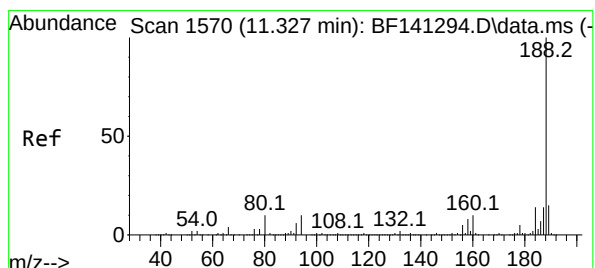
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel

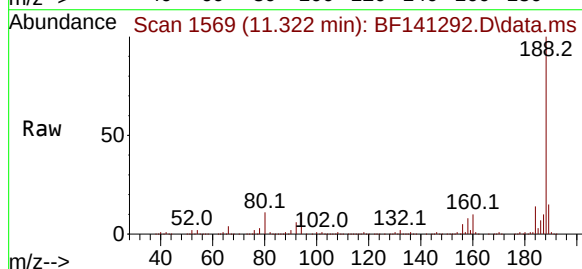


01/30/2025
Supervised By :mohammad
ahmed

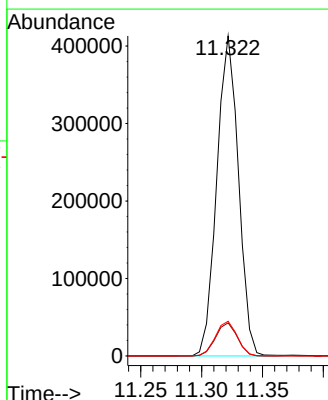
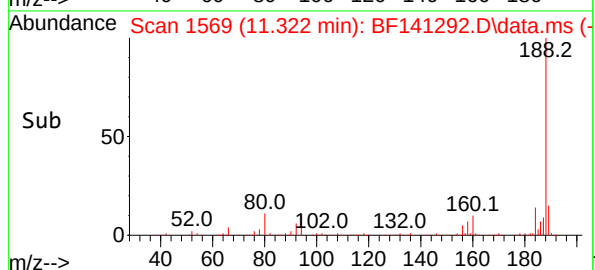
02/04/2025

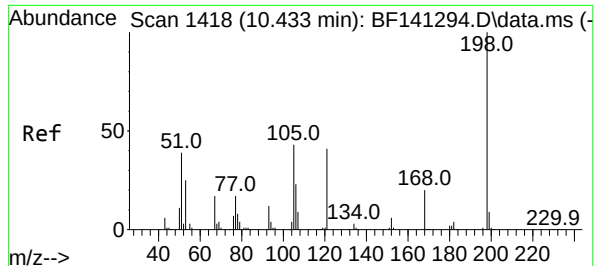


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49



Tgt Ion:188 Resp: 510795
Ion Ratio Lower Upper
188 100
94 10.3 7.8 11.6
80 10.9 8.2 12.4





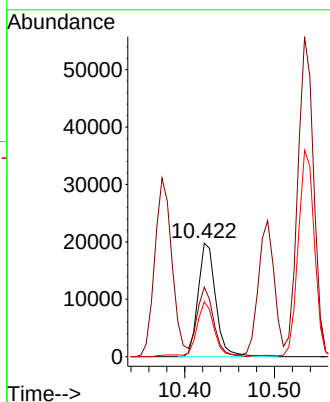
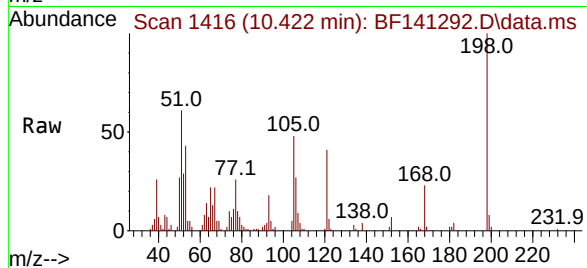
#65
4,6-Dinitro-2-methylphenol
Concen: 8.831 ng
RT: 10.422 min Scan# 1418
Delta R.T. -0.012 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:198 Resp: 26939
Ion Ratio Lower Upper
198 100
51 61.2 33.4 73.4
105 48.3 24.4 64.4

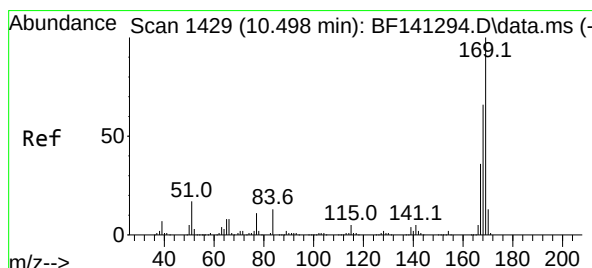
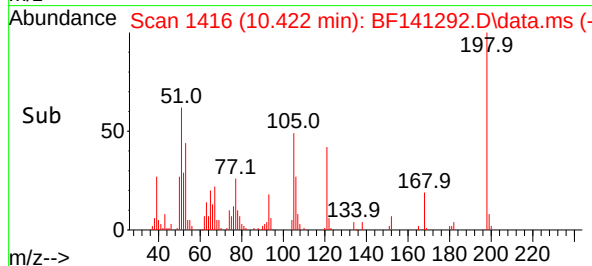
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel



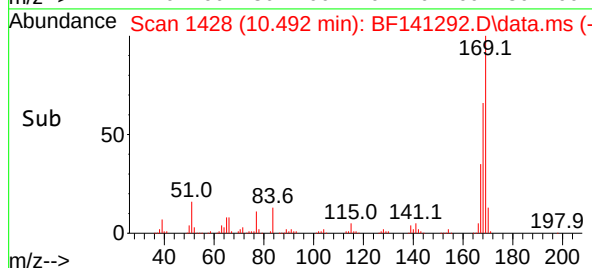
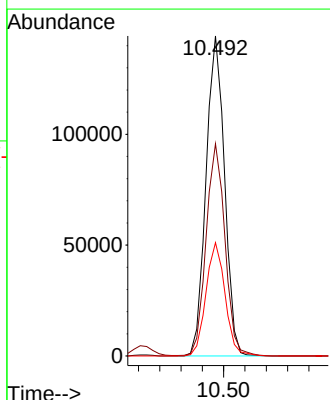
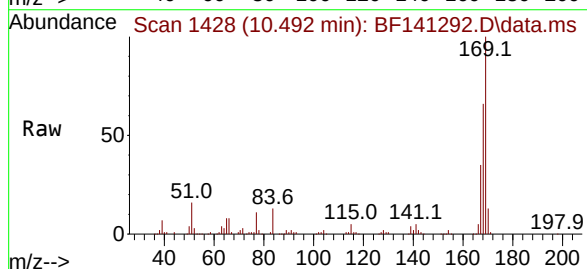
01/30/2025
Supervised By :mohammad
ahmed

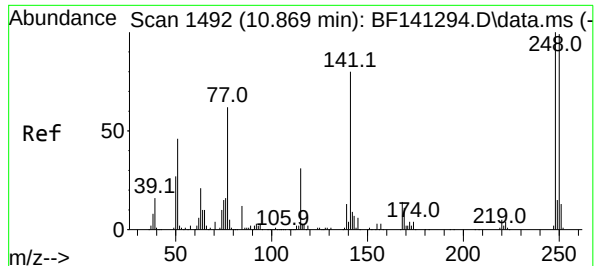
02/04/2025



#66
n-Nitrosodiphenylamine
Concen: 10.544 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

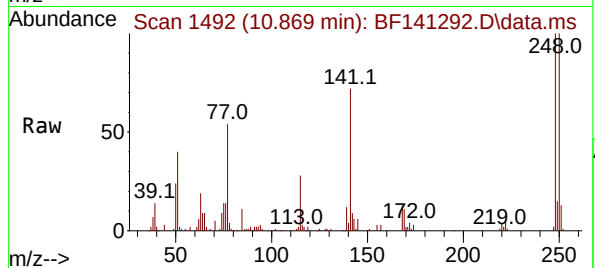
Tgt Ion:169 Resp: 174617
Ion Ratio Lower Upper
169 100
168 66.3 53.0 79.4
167 35.4 28.8 43.2





#67
4-Bromophenyl-phenylether
Concen: 10.468 ng
RT: 10.869 min Scan# 1492
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

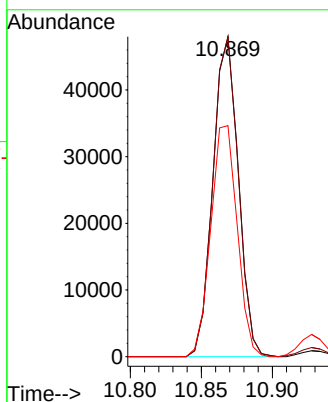
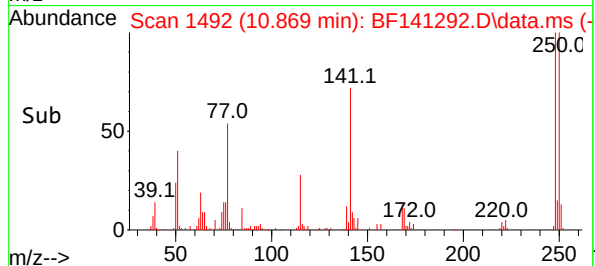
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:248 Resp: 59770
Ion Ratio Lower Upper
248 100
250 100.0 79.0 118.4
141 72.2 63.7 95.5

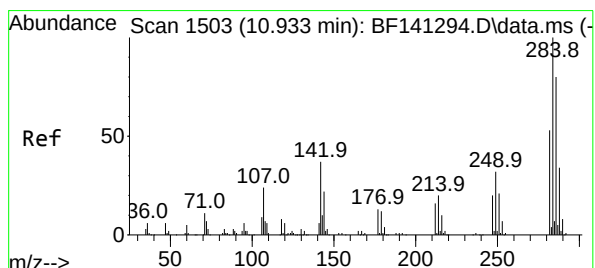
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel

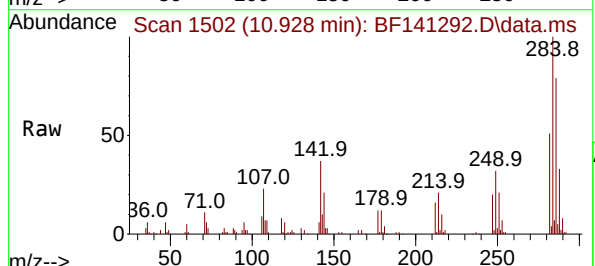


01/30/2025
Supervised By :mohammad
ahmed

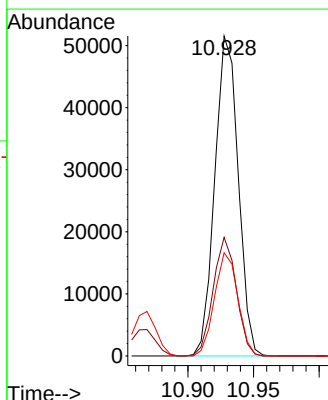
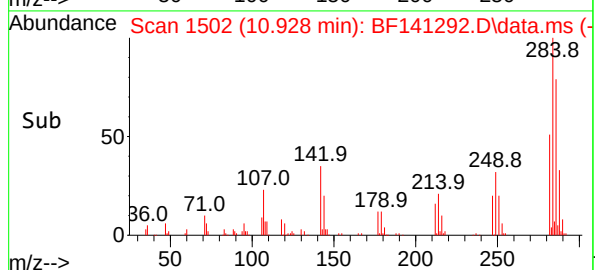
02/04/2025

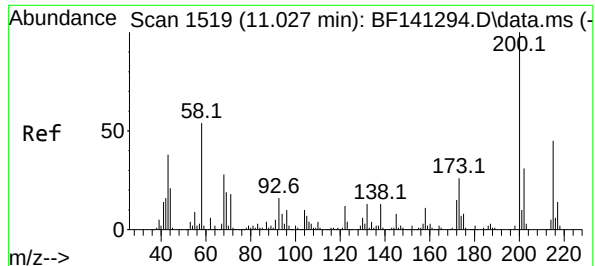


#68
Hexachlorobenzene
Concen: 10.551 ng
RT: 10.928 min Scan# 1502
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49



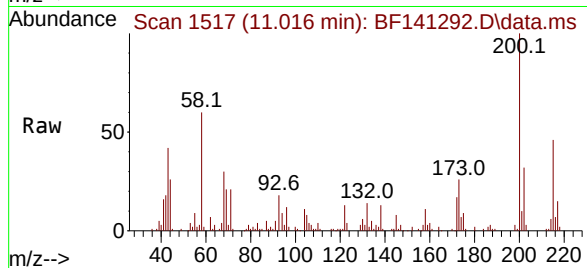
Tgt Ion:284 Resp: 63908
Ion Ratio Lower Upper
284 100
142 37.0 29.5 44.3
249 32.2 25.4 38.2





#69
Atrazine
Concen: 9.295 ng
RT: 11.016 min Scan# 1517
Delta R.T. -0.012 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

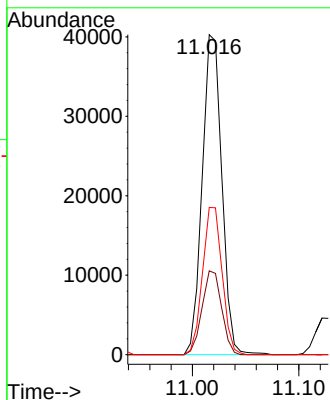
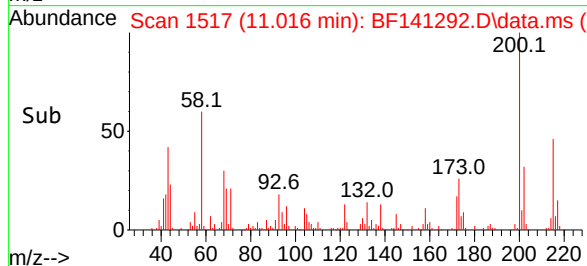
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:200 Resp: 5163
Ion Ratio Lower Upper
200 100
173 26.2 5.9 45.9
215 46.0 25.2 65.2

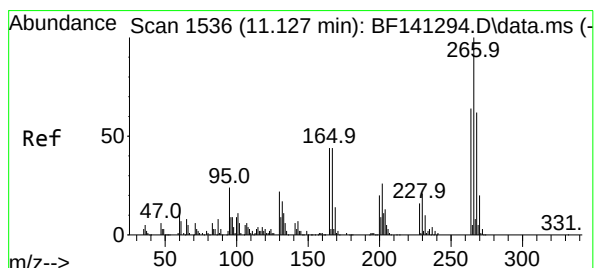
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel



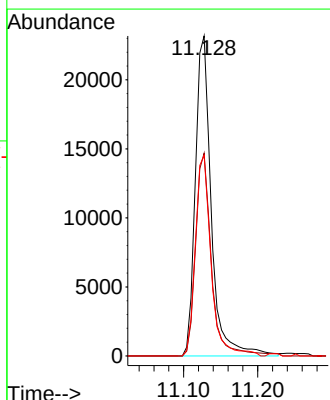
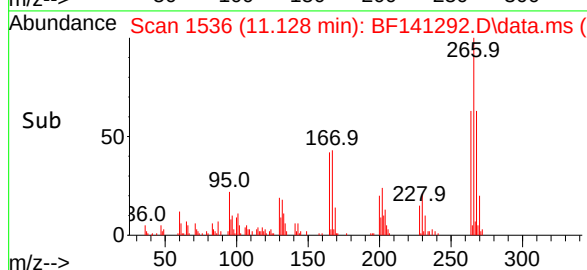
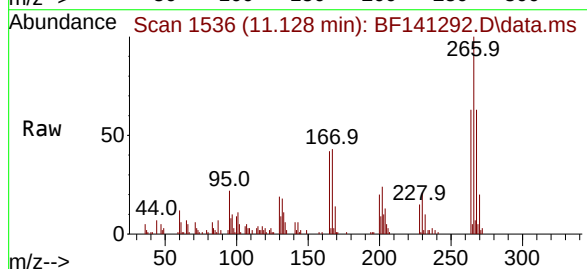
01/30/2025
Supervised By :mohammad
ahmed

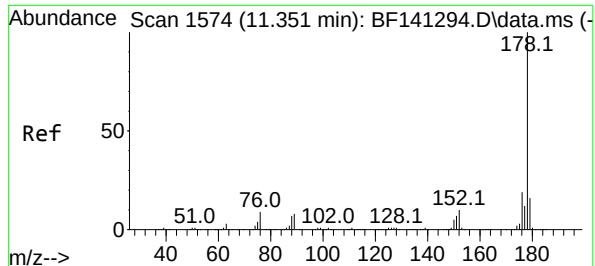
02/04/2025



#70
Pentachlorophenol
Concen: 9.796 ng
RT: 11.128 min Scan# 1536
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:266 Resp: 34788
Ion Ratio Lower Upper
266 100
268 63.4 49.9 74.9
264 62.7 51.0 76.4





#71

Phenanthrene

Concen: 10.893 ng

RT: 11.345 min Scan# 1573

Delta R.T. -0.006 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:178 Resp: 298892

Ion Ratio Lower Upper

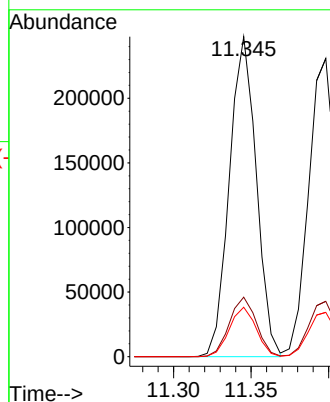
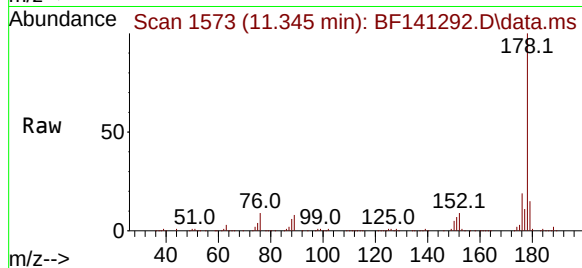
178 100

176 18.6 15.3 22.9

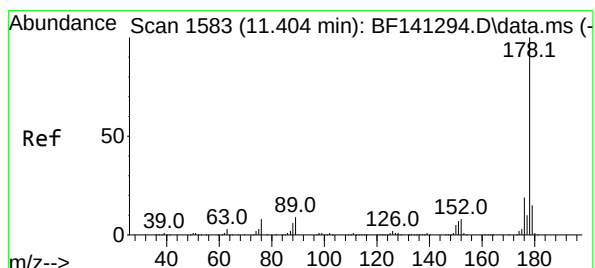
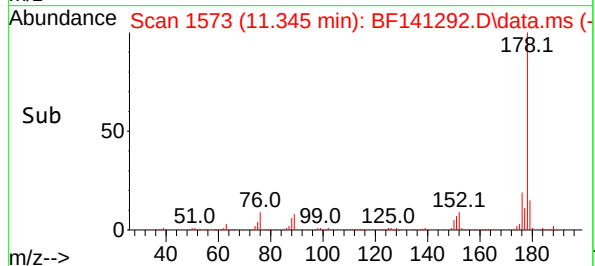
179 15.4 12.5 18.7

Manual Integrations

APPROVED

Reviewed By :Yogesh
Patel01/30/2025
Supervised By :mohammad
ahmed

02/04/2025



#72

Anthracene

Concen: 10.940 ng

RT: 11.398 min Scan# 1582

Delta R.T. -0.006 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

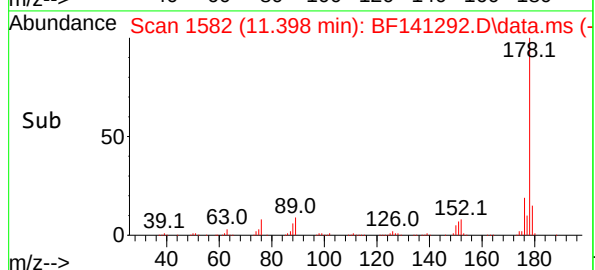
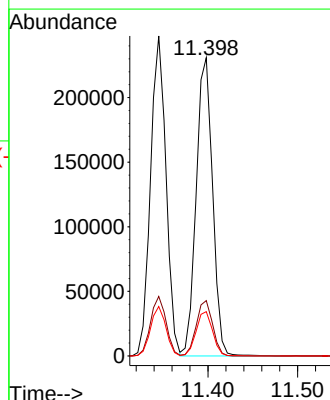
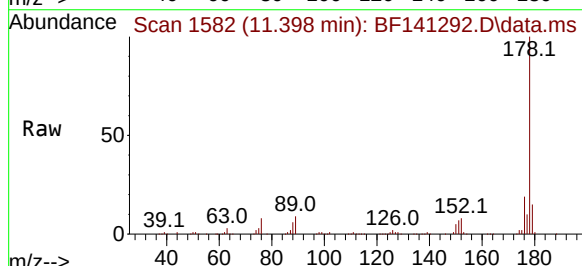
Tgt Ion:178 Resp: 292813

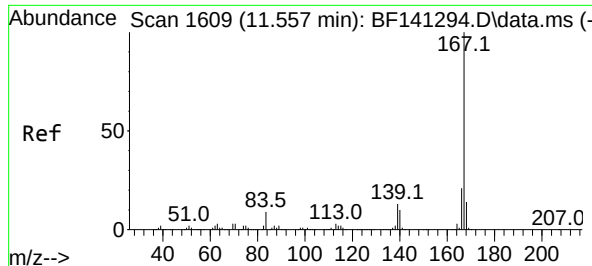
Ion Ratio Lower Upper

178 100

176 18.6 15.0 22.6

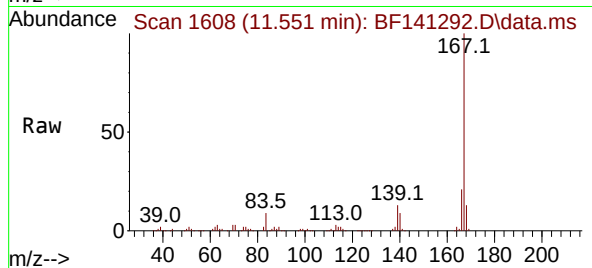
179 14.9 12.3 18.5





#73
Carbazole
Concen: 10.919 ng
RT: 11.551 min Scan# 1608
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

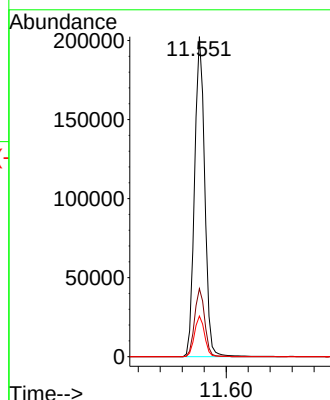
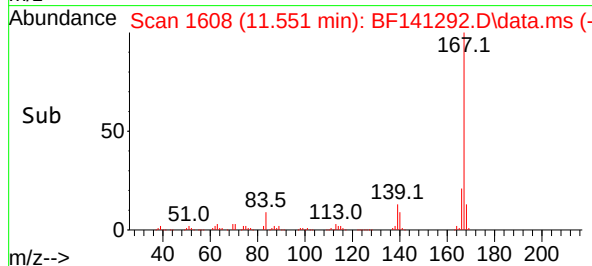
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:167 Resp: 25885
Ion Ratio Lower Upper
167 100
166 21.2 17.0 25.6
139 12.7 10.6 16.0

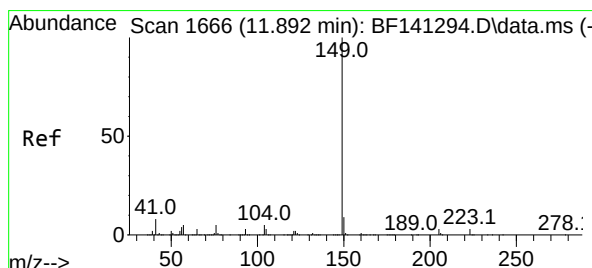
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel

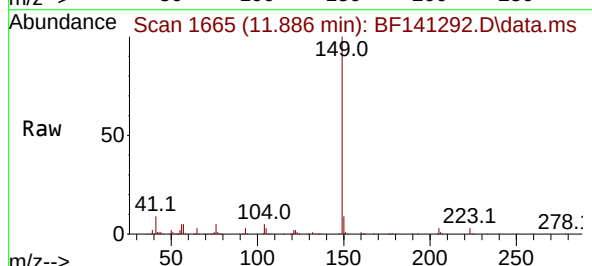


01/30/2025
Supervised By :mohammad
ahmed

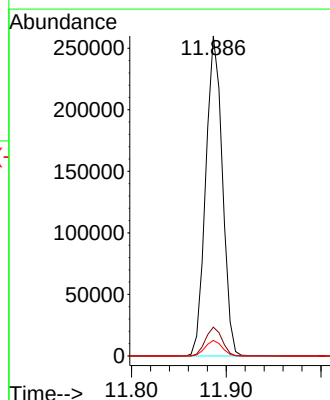
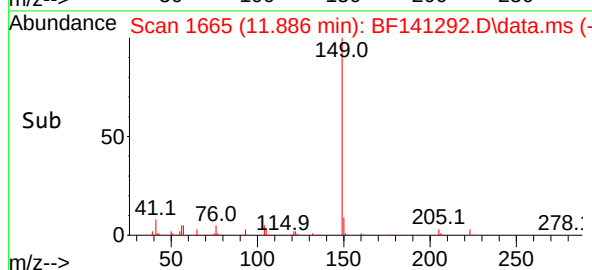
02/04/2025

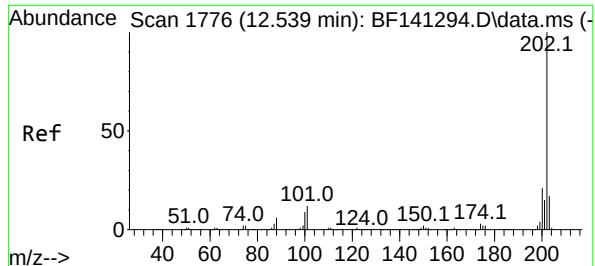


#74
Di-n-butylphthalate
Concen: 11.070 ng
RT: 11.886 min Scan# 1665
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49



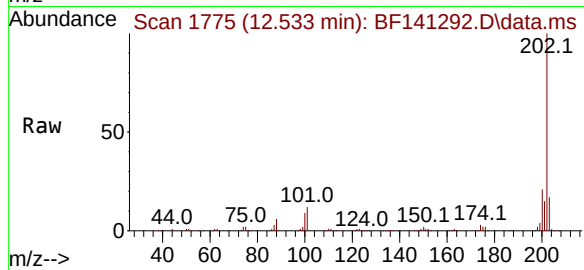
Tgt Ion:149 Resp: 316336
Ion Ratio Lower Upper
149 100
150 9.0 7.4 11.2
104 4.9 3.9 5.9





#75
Fluoranthene
Concen: 11.462 ng
RT: 12.533 min Scan# 1775
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

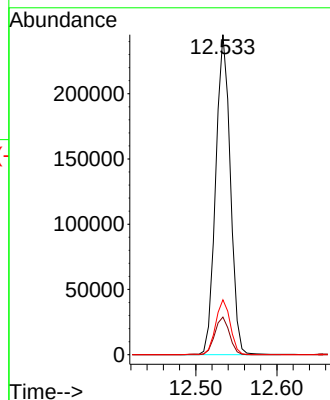
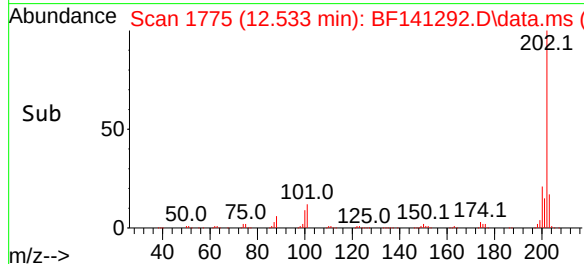
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:202 Resp: 306969
Ion Ratio Lower Upper
202 100
101 11.8 0.0 31.7
203 17.1 0.0 37.5

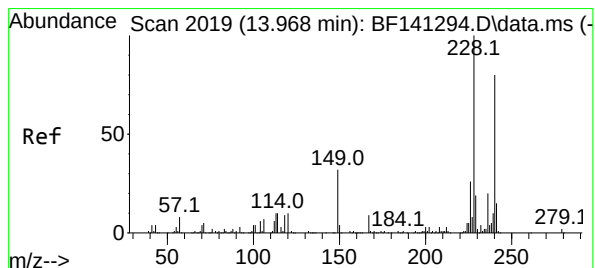
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel



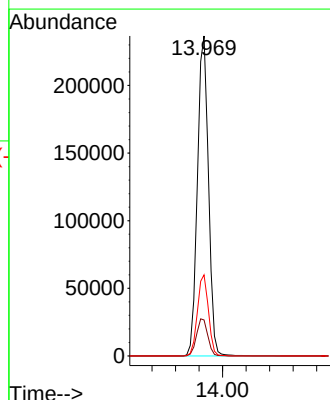
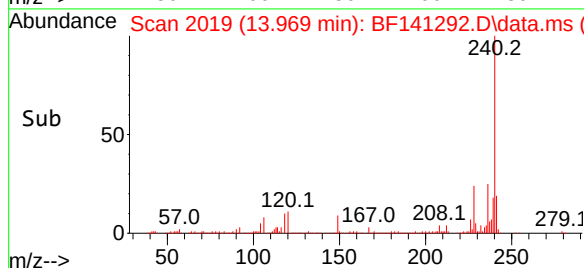
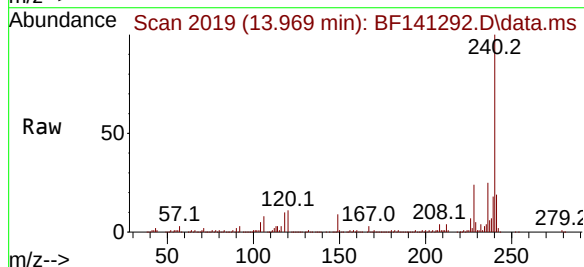
01/30/2025
Supervised By :mohammad
ahmed

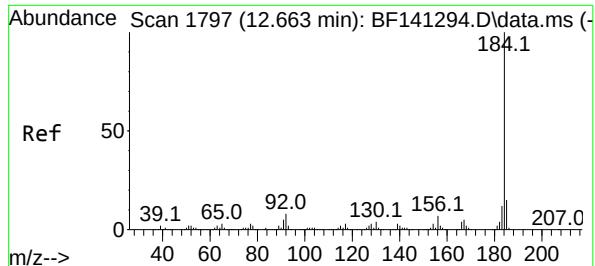
02/04/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.969 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

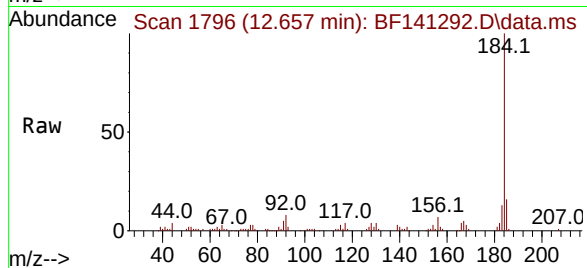
Tgt Ion:240 Resp: 308114
Ion Ratio Lower Upper
240 100
120 11.2 10.0 15.0
236 25.4 19.7 29.5





#77
Benzidine
Concen: 7.890 ng
RT: 12.657 min Scan# 1796
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

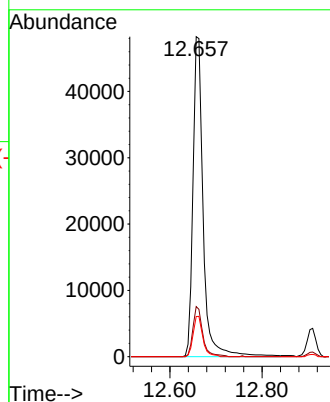
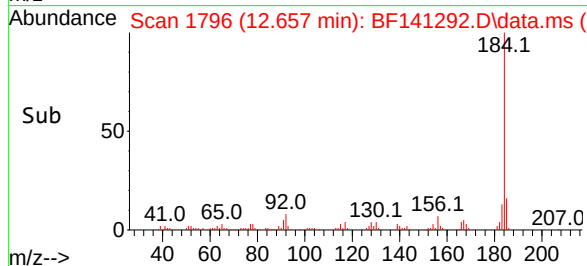
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:184 Resp: 73918
Ion Ratio Lower Upper
184 100
185 15.6 11.9 17.9
183 12.6 9.5 14.3

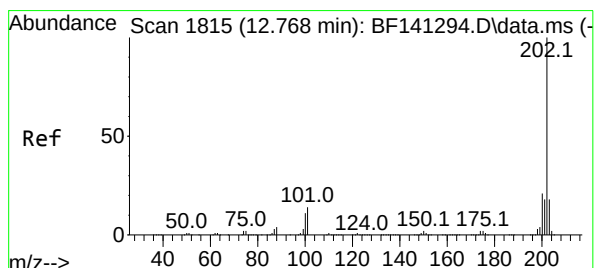
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel



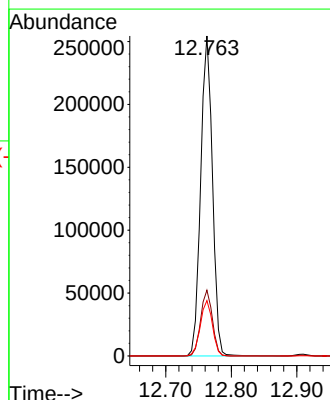
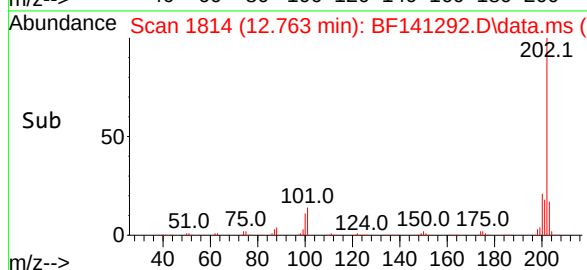
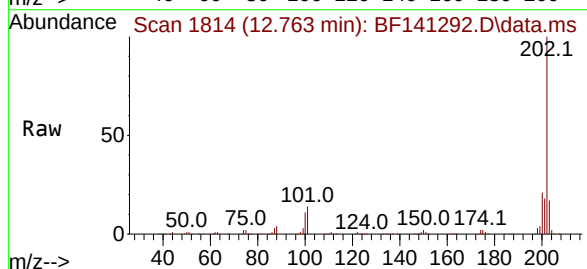
01/30/2025
Supervised By :mohammad
ahmed

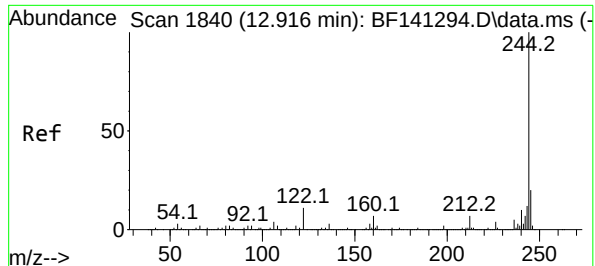
02/04/2025



#78
Pyrene
Concen: 10.681 ng
RT: 12.763 min Scan# 1814
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:202 Resp: 317744
Ion Ratio Lower Upper
202 100
200 20.5 17.0 25.4
203 17.3 14.3 21.5





#79

Terphenyl-d14

Concen: 21.713 ng

RT: 12.910 min Scan# 1839

Delta R.T. -0.006 min

Lab File: BF141292.D

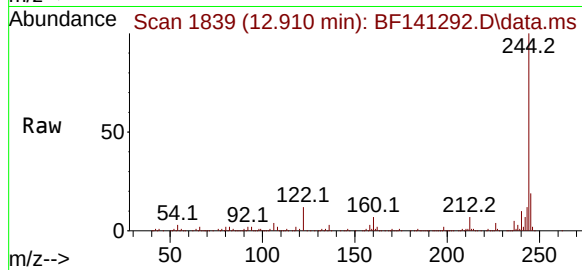
Acq: 29 Jan 2025 11:49

Instrument :

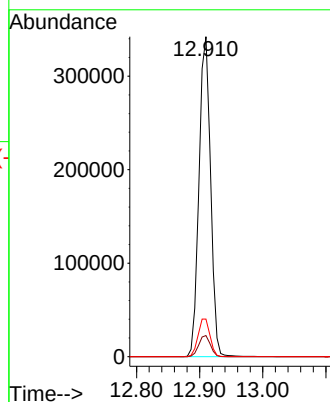
BNA_F

ClientSampleId :

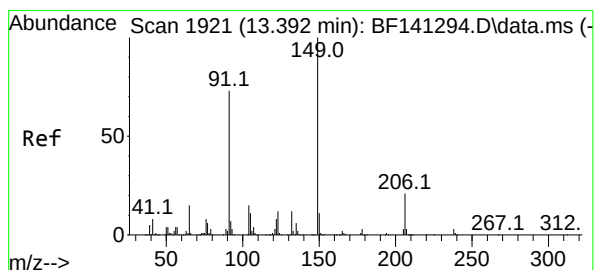
SSTDICC010



Tgt Ion:	244	Resp:	43478
Ion Ratio	Lower	Upper	
244	100		
212	6.6	5.4	8.0
122	11.7	8.8	13.2

Manual Integrations
APPROVEDReviewed By :Yogesh
Patel01/30/2025
Supervised By :mohammad
ahmed

02/04/2025



#80

Butylbenzylphthalate

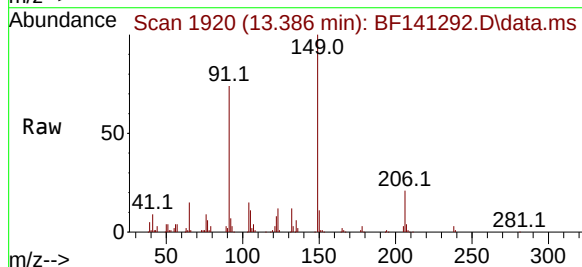
Concen: 10.349 ng

RT: 13.386 min Scan# 1920

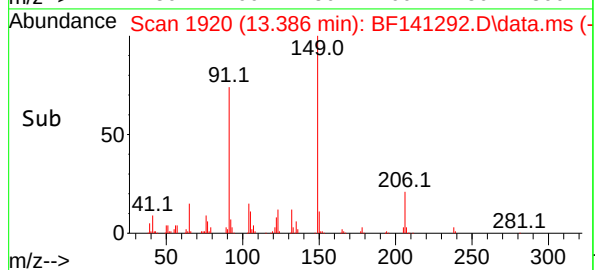
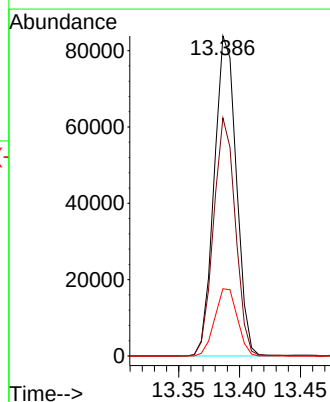
Delta R.T. -0.006 min

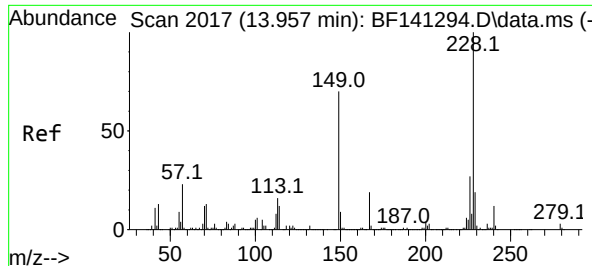
Lab File: BF141292.D

Acq: 29 Jan 2025 11:49



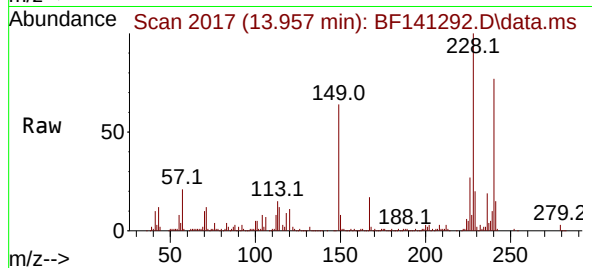
Tgt Ion:	149	Resp:	106335
Ion Ratio	Lower	Upper	
149	100		
91	74.4	58.6	87.8
206	21.0	16.7	25.1





#81
Benzo(a)anthracene
Concen: 10.289 ng
RT: 13.957 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

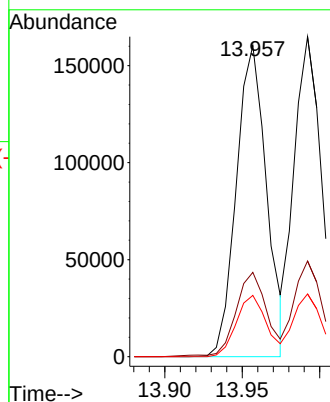
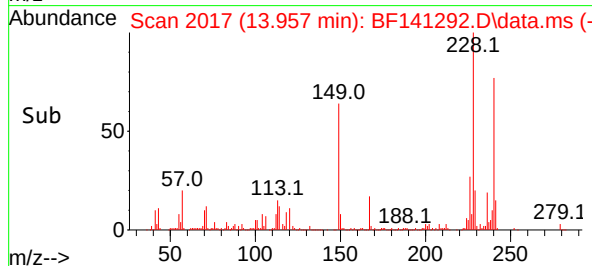
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:228 Resp: 21729
Ion Ratio Lower Upper
228 100
226 27.1 21.4 32.2
229 19.7 15.5 23.3

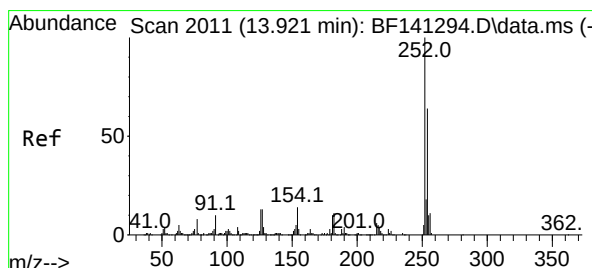
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel



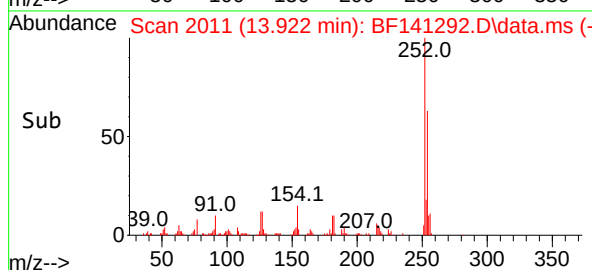
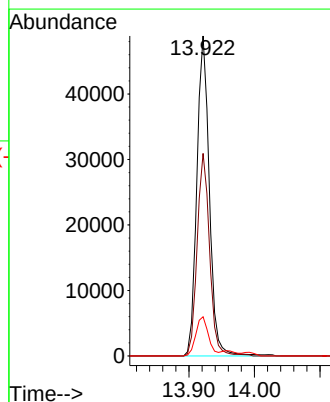
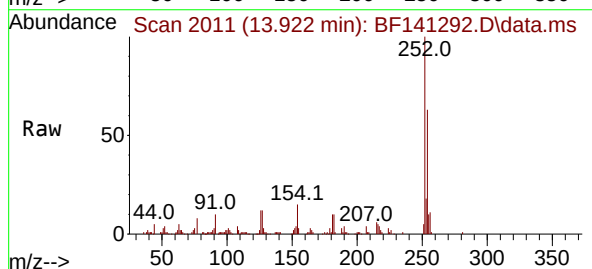
01/30/2025
Supervised By :mohammad
ahmed

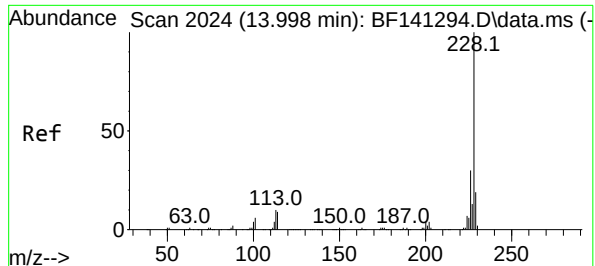
02/04/2025



#82
3,3'-Dichlorobenzidine
Concen: 9.833 ng
RT: 13.922 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

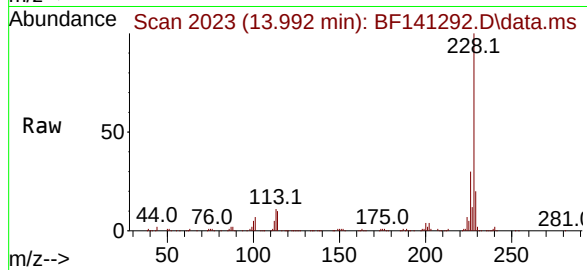
Tgt Ion:252 Resp: 65021
Ion Ratio Lower Upper
252 100
254 63.3 51.3 76.9
126 12.2 10.0 15.0





#83
Chrysene
Concen: 10.421 ng
RT: 13.992 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

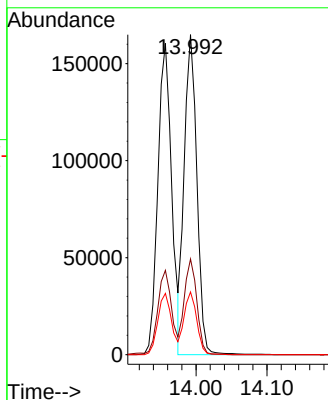
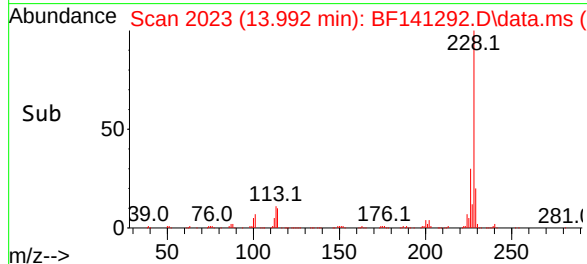
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:228 Resp: 204080
Ion Ratio Lower Upper
228 100
226 29.9 24.1 36.1
229 19.6 15.6 23.4

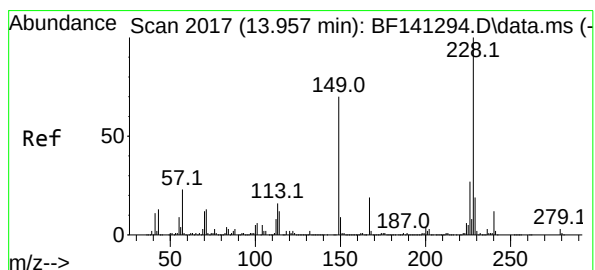
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel



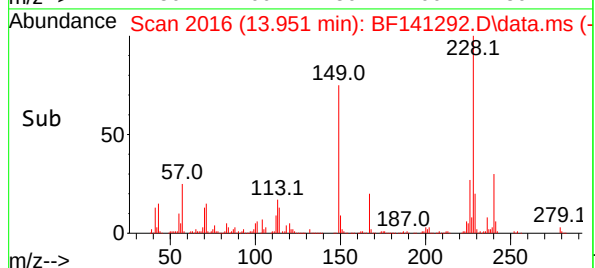
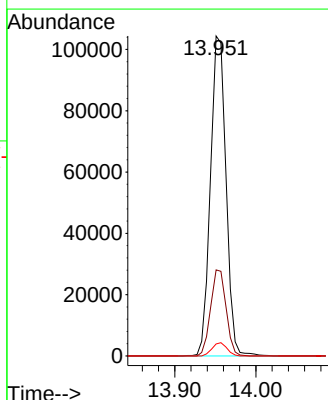
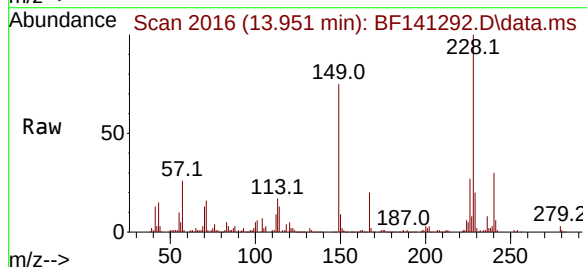
01/30/2025
Supervised By :mohammad
ahmed

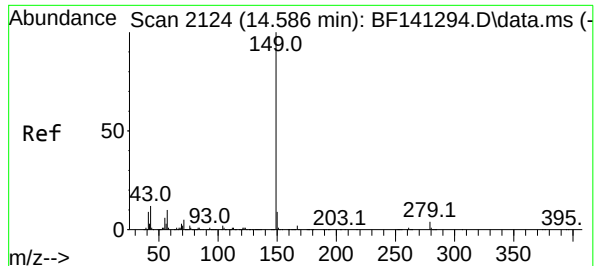
02/04/2025



#84
Bis(2-ethylhexyl)phthalate
Concen: 10.789 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

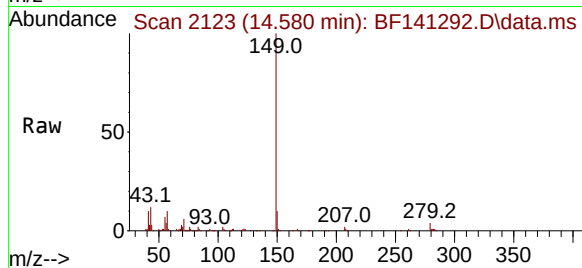
Tgt Ion:149 Resp: 139099
Ion Ratio Lower Upper
149 100
167 26.9 21.8 32.8
279 3.8 3.3 4.9





#85
Di-n-octyl phthalate
Concen: 9.676 ng
RT: 14.580 min Scan# 2124
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

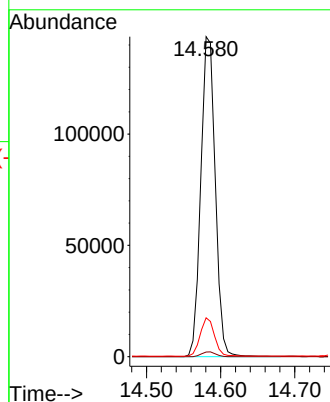
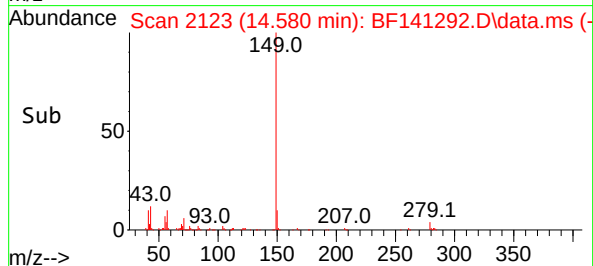
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:149 Resp: 195129
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 11.8 9.8 14.8

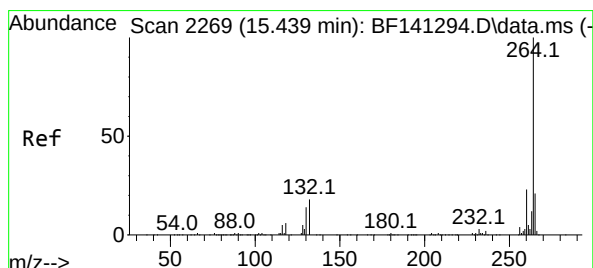
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel



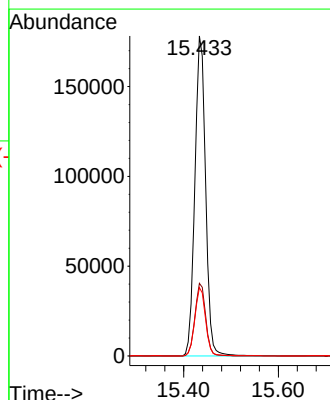
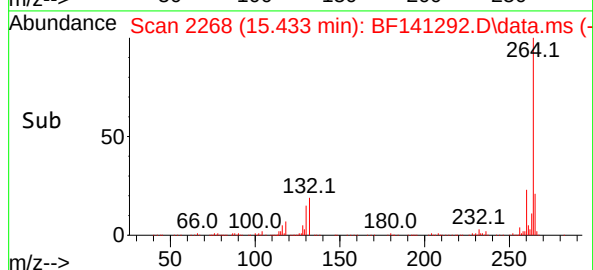
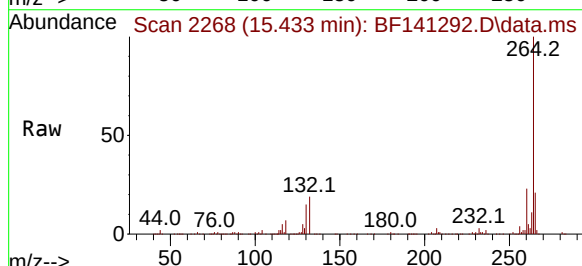
01/30/2025
Supervised By :mohammad
ahmed

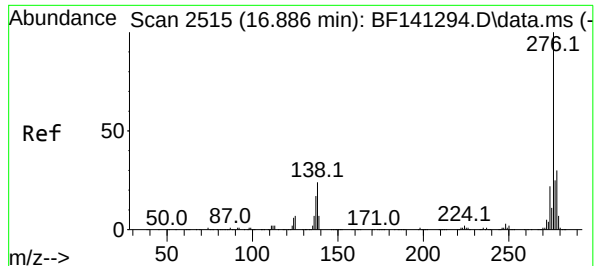
02/04/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.433 min Scan# 2268
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:264 Resp: 280028
Ion Ratio Lower Upper
264 100
260 22.7 18.6 27.8
265 21.3 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.708 ng

RT: 16.874 min Scan# 2196

Delta R.T. -0.012 min

Lab File: BF141292.D

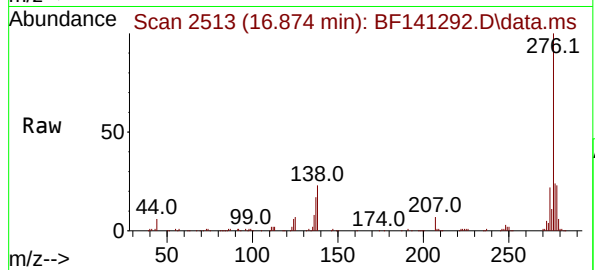
Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC010



Tgt Ion:276 Resp: 177554

Ion Ratio Lower Upper

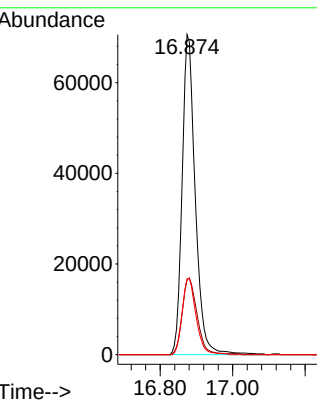
276 100

138 27.1 21.7 32.5

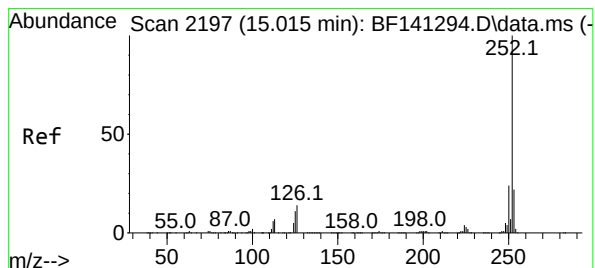
277 25.1 20.3 30.5

Manual Integrations

APPROVED

Reviewed By :Yogesh
Patel01/30/2025
Supervised By :mohammad
ahmed

02/04/2025



#88

Benzo(b)fluoranthene

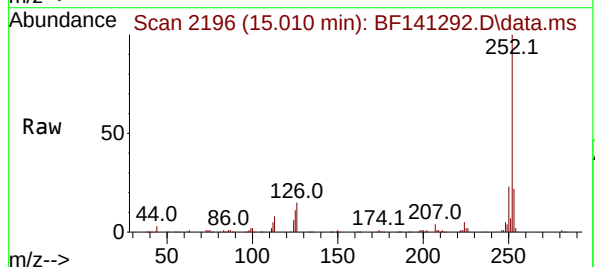
Concen: 11.130 ng

RT: 15.010 min Scan# 2196

Delta R.T. -0.006 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49



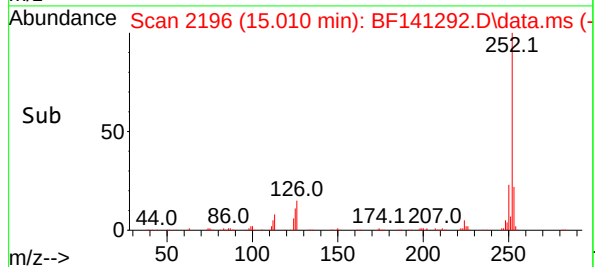
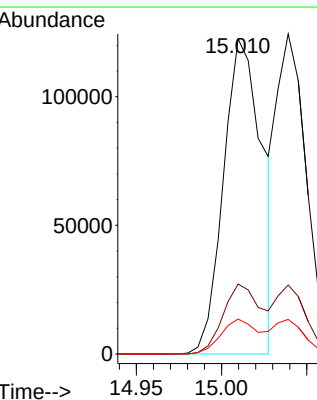
Tgt Ion:252 Resp: 193558

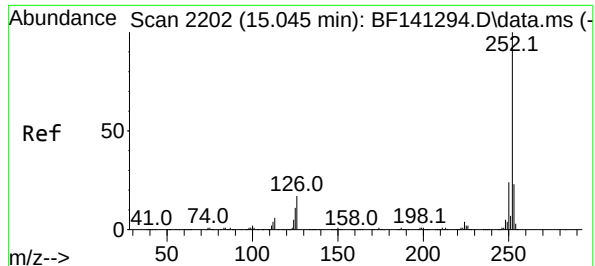
Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.2

125 11.1 8.6 12.8





#89

Benzo(k)fluoranthene

Concen: 10.012 ng

RT: 15.039 min Scan# 2201

Delta R.T. -0.006 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

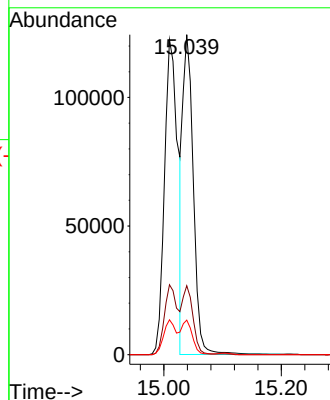
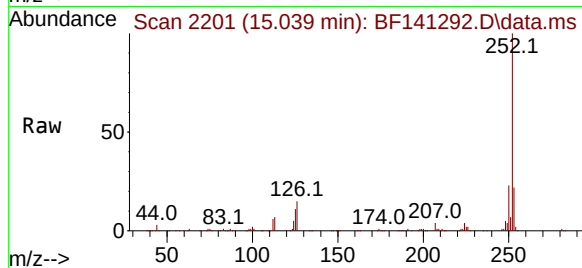
Instrument :

BNA_F

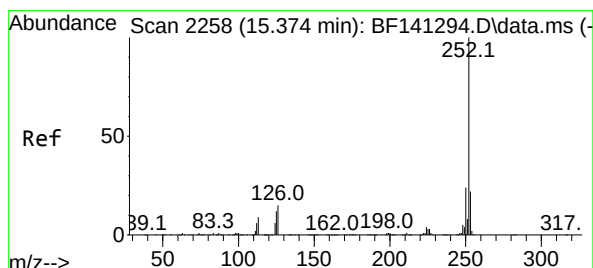
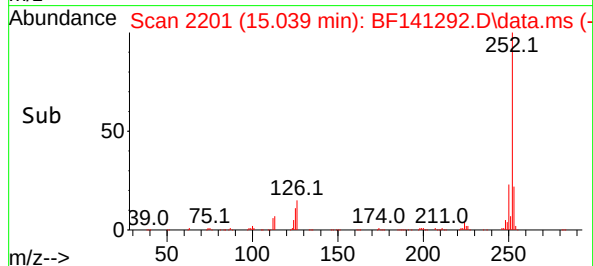
ClientSampleId :

SSTDICC010

Tgt Ion:	252	Resp:	155925
Ion Ratio	Lower	Upper	
252	100		
253	21.5	17.6	26.4
125	10.8	8.4	12.6

Manual Integrations
APPROVEDReviewed By :Yogesh
Patel01/30/2025
Supervised By :mohammad
ahmed

02/04/2025



#90

Benzo(a)pyrene

Concen: 9.972 ng

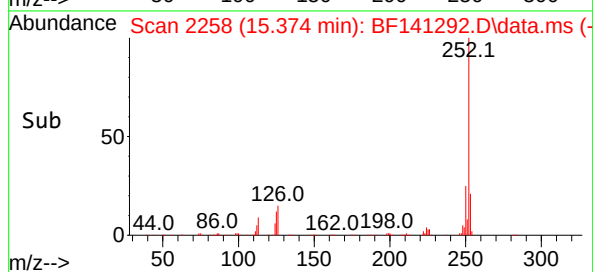
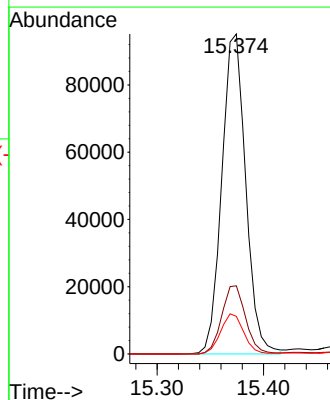
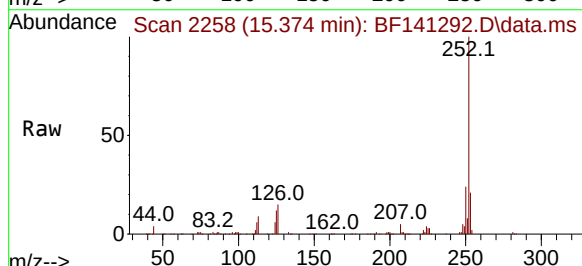
RT: 15.374 min Scan# 2258

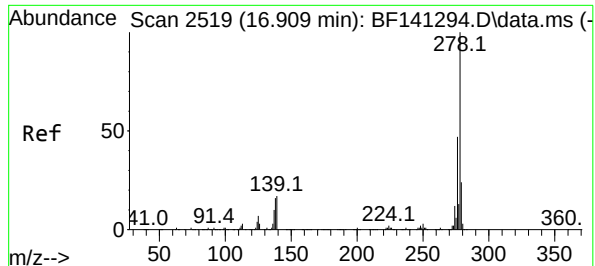
Delta R.T. 0.000 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

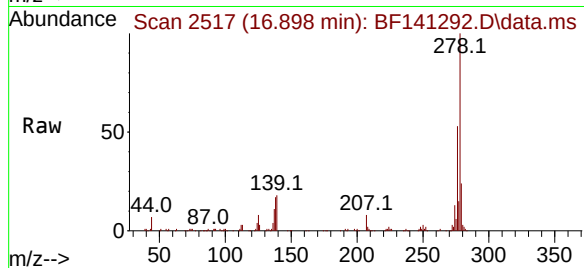
Tgt Ion:	252	Resp:	148214
Ion Ratio	Lower	Upper	
252	100		
253	21.3	17.2	25.8
125	11.7	9.4	14.2





#91
Dibenzo(a,h)anthracene
Concen: 9.559 ng
RT: 16.898 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

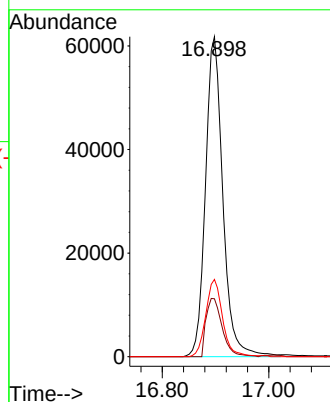
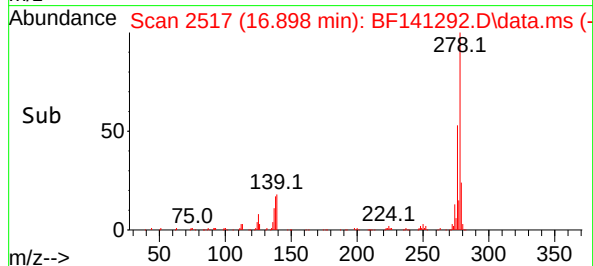
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:278 Resp: 14014
Ion Ratio Lower Upper
278 100
139 18.1 13.9 20.9
279 24.2 18.8 28.2

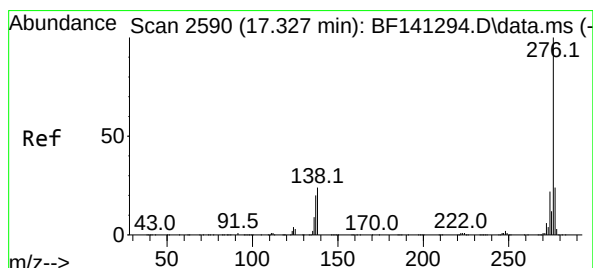
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel

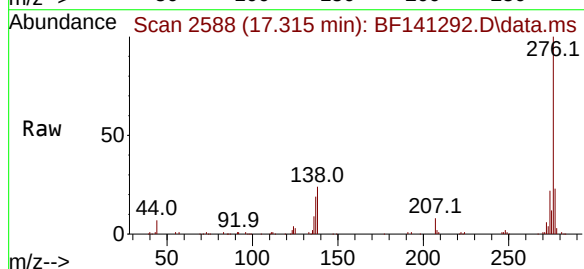


01/30/2025
Supervised By :mohammad
ahmed

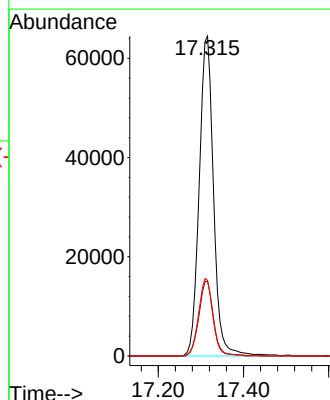
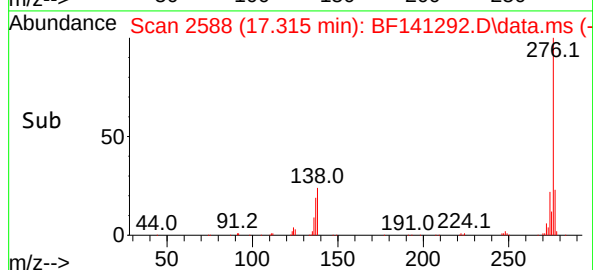
02/04/2025



#92
Benzo(g,h,i)perylene
Concen: 9.756 ng
RT: 17.315 min Scan# 2588
Delta R.T. -0.012 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49



Tgt Ion:276 Resp: 150453
Ion Ratio Lower Upper
276 100
277 23.3 19.2 28.8
138 23.6 19.0 28.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
 Data File : BF141293.D
 Acq On : 29 Jan 2025 15:17
 Operator : RC/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025

Quant Time: Jan 29 16:29:32 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Jan 29 16:24:35 2025

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	136491	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	532862	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	293084	20.000	ng	0.00
64) Phenanthrene-d10	11.327	188	511320	20.000	ng	0.00
76) Chrysene-d12	13.974	240	314234	20.000	ng	0.00
86) Perylene-d12	15.457	264	289582	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	382610	43.351	ng	0.00
7) Phenol-d6	6.422	99	475876	42.305	ng	0.00
23) Nitrobenzene-d5	7.357	82	432160	42.912	ng	0.00
42) 2,4,6-Tribromophenol	10.627	330	116167	43.498	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	819371	43.127	ng	0.00
79) Terphenyl-d14	12.916	244	860956	42.159	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.481	88	81467	20.794	ng	98
3) Pyridine	3.210	79	197852	21.116	ng	99
4) n-Nitrosodimethylamine	3.152	42	112451	20.957	ng	98
6) Aniline	6.457	93	210459	22.385	ng	99
8) 2-Chlorophenol	6.581	128	203008	21.418	ng	96
9) Benzaldehyde	6.345	77	150675	23.065	ng	100
10) Phenol	6.434	94	257179	21.611	ng	98
11) bis(2-Chloroethyl)ether	6.534	93	194572	21.260	ng	98
12) 1,3-Dichlorobenzene	6.739	146	224880	21.512	ng	99
13) 1,4-Dichlorobenzene	6.816	146	226376	21.503	ng	99
14) 1,2-Dichlorobenzene	6.969	146	213616	21.714	ng	99
15) Benzyl Alcohol	6.934	79	166008	21.602	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.075	45	340590	21.420	ng	100
17) 2-Methylphenol	7.045	107	165188	21.525	ng	99
18) Hexachloroethane	7.310	117	83193	21.359	ng	99
19) n-Nitroso-di-n-propyla...	7.204	70	140874	21.058	ng	99
20) 3+4-Methylphenols	7.198	107	205070	21.734	ng	96
22) Acetophenone	7.204	105	275680	21.825	ng	100
24) Nitrobenzene	7.381	77	224061	21.451	ng	98
25) Isophorone	7.616	82	369998	21.259	ng	99
26) 2-Nitrophenol	7.698	139	106287	21.725	ng	98
27) 2,4-Dimethylphenol	7.734	122	132748m	21.233	ng	
28) bis(2-Chloroethoxy)met...	7.828	93	237369	21.403	ng	98
29) 2,4-Dichlorophenol	7.934	162	166153	21.750	ng	100
30) 1,2,4-Trichlorobenzene	8.022	180	188468	21.511	ng	99
31) Naphthalene	8.104	128	607622	21.681	ng	100
32) Benzoic acid	7.816	122	126734	22.321	ng	99
33) 4-Chloroaniline	8.151	127	208531	22.151	ng	99
34) Hexachlorobutadiene	8.222	225	111274	21.699	ng	97
35) Caprolactam	8.498	113	54280	21.968	ng	99
36) 4-Chloro-3-methylphenol	8.628	107	177981	21.708	ng	99
37) 2-Methylnaphthalene	8.792	142	386035	21.630	ng	100
38) 1-Methylnaphthalene	8.892	142	378878	21.671	ng	100
40) 1,2,4,5-Tetrachloroben...	8.957	216	176736	21.209	ng	99
41) Hexachlorocyclopentadiene	8.945	237	51112	20.438	ng	100
43) 2,4,6-Trichlorophenol	9.069	196	114390	21.029	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
 Data File : BF141293.D
 Acq On : 29 Jan 2025 15:17
 Operator : RC/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/30/2025
 Supervised By :mohammad ahmed 02/04/2025

Quant Time: Jan 29 16:29:32 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 16:24:35 2025
 Response via : Initial Calibration

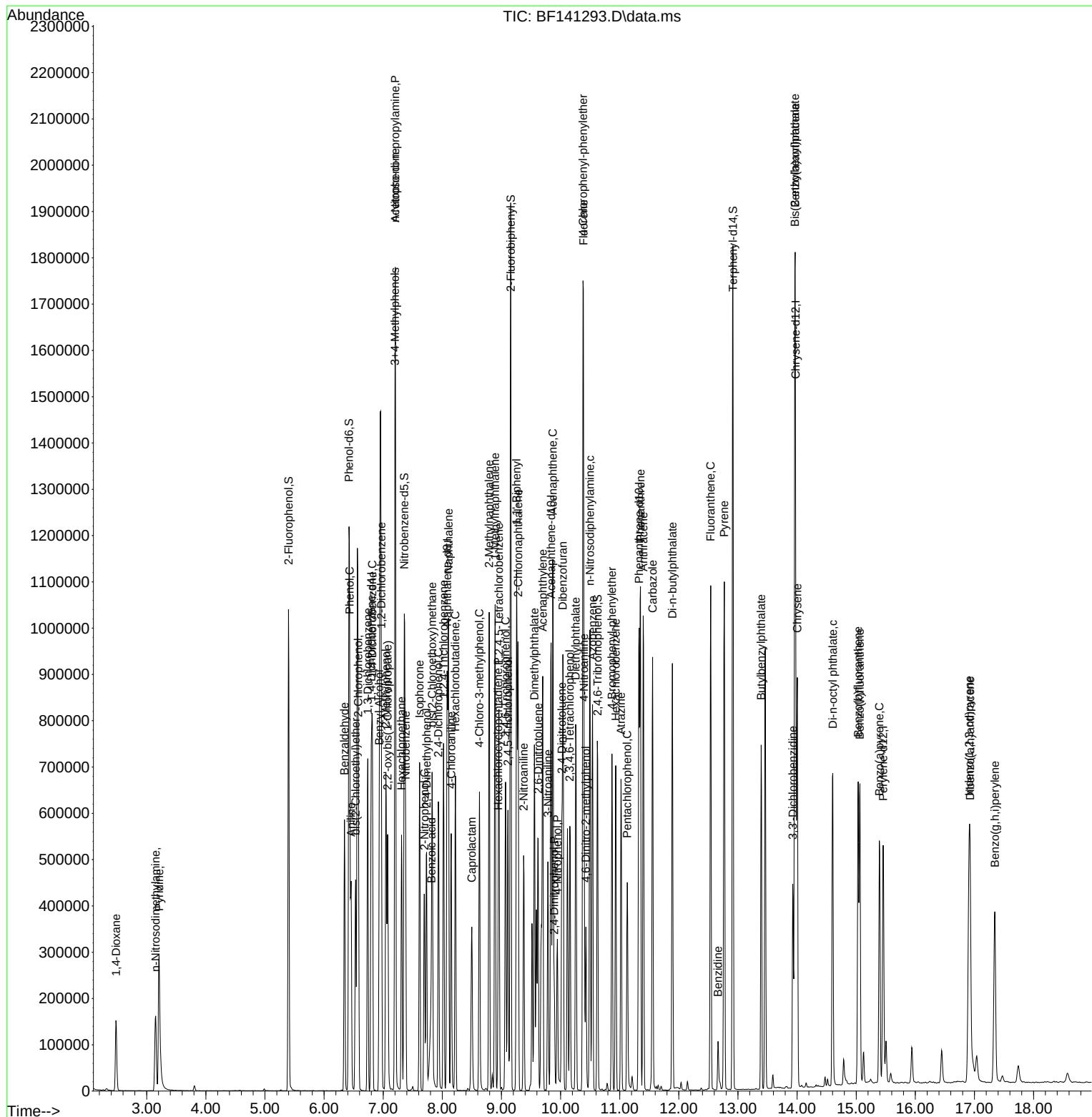
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	125725	21.245	ng	98
46) 1,1'-Biphenyl	9.257	154	483479	21.145	ng	100
47) 2-Chloronaphthalene	9.281	162	377946	21.282	ng	99
48) 2-Nitroaniline	9.375	65	119359	21.310	ng	98
49) Acenaphthylene	9.698	152	531957	21.328	ng	99
50) Dimethylphthalate	9.557	163	423377	21.542	ng	100
51) 2,6-Dinitrotoluene	9.622	165	97622	21.345	ng	96
52) Acenaphthene	9.869	154	378511	21.328	ng	99
53) 3-Nitroaniline	9.786	138	100085	22.123	ng	98
54) 2,4-Dinitrophenol	9.892	184	40003	18.557	ng	# 86
55) Dibenzofuran	10.039	168	514223	21.665	ng	100
56) 4-Nitrophenol	9.945	139	73425	22.607	ng	97
57) 2,4-Dinitrotoluene	10.022	165	129942	22.027	ng	98
58) Fluorene	10.386	166	396520	21.488	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.157	232	99841	21.354	ng	99
60) Diethylphthalate	10.257	149	413889	21.745	ng	99
61) 4-Chlorophenyl-phenyle...	10.380	204	193134	21.446	ng	99
62) 4-Nitroaniline	10.398	138	96692	22.250	ng	98
63) Azobenzene	10.539	77	407492	21.358	ng	99
65) 4,6-Dinitro-2-methylph...	10.427	198	62572	20.492	ng	97
66) n-Nitrosodiphenylamine	10.498	169	344387	20.773	ng	100
67) 4-Bromophenyl-phenylether	10.869	248	119844	20.967	ng	98
68) Hexachlorobenzene	10.933	284	126823	20.917	ng	99
69) Atrazine	11.022	200	109133	19.627	ng	99
70) Pentachlorophenol	11.127	266	74508	20.958	ng	98
71) Phenanthrene	11.351	178	584027	21.262	ng	100
72) Anthracene	11.398	178	572743	21.377	ng	100
73) Carbazole	11.557	167	522100	22.000	ng	99
74) Di-n-butylphthalate	11.892	149	636521	22.251	ng	100
75) Fluoranthene	12.539	202	611492	22.808	ng	100
77) Benzidine	12.663	184	65963	6.904	ng	99
78) Pyrene	12.769	202	629228	20.739	ng	99
80) Butylbenzylphthalate	13.392	149	232095	22.149	ng	99
81) Benzo(a)anthracene	13.968	228	456535	21.197	ng	99
82) 3,3'-Dichlorobenzidine	13.927	252	134298	19.914	ng	99
83) Chrysene	14.004	228	421849	21.122	ng	99
84) Bis(2-ethylhexyl)phtha...	13.963	149	300546	22.857	ng	99
85) Di-n-octyl phthalate	14.604	149	451748	21.964	ng	100
87) Indeno(1,2,3-cd)pyrene	16.909	276	387089	20.466	ng	99
88) Benzo(b)fluoranthene	15.033	252	384557	21.383	ng	99
89) Benzo(k)fluoranthene	15.062	252	368801	22.900	ng	99
90) Benzo(a)pyrene	15.392	252	327630	21.317	ng	99
91) Dibenzo(a,h)anthracene	16.927	278	318776	21.026	ng	100
92) Benzo(g,h,i)perylene	17.345	276	329876	20.684	ng	100

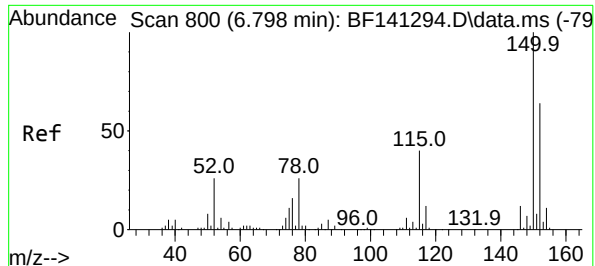
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations

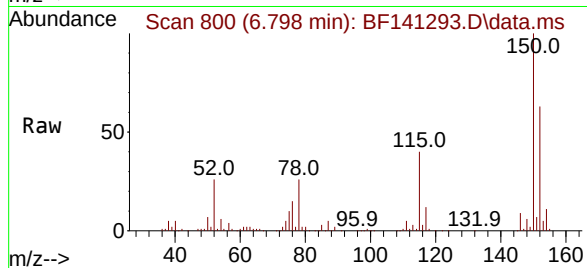
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

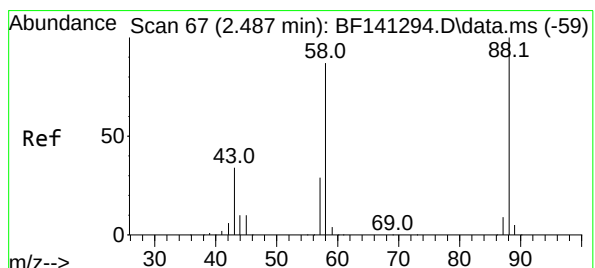
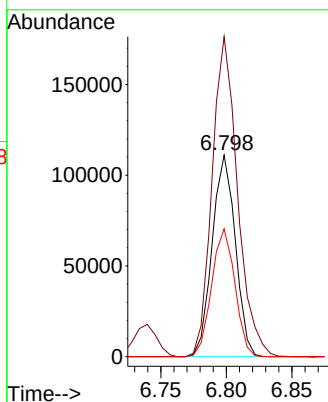
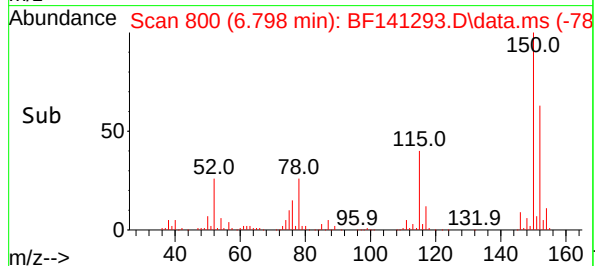
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:152 Resp: 13649
Ion Ratio Lower Upper
152 100
150 158.9 125.9 188.9
115 63.5 49.7 74.5

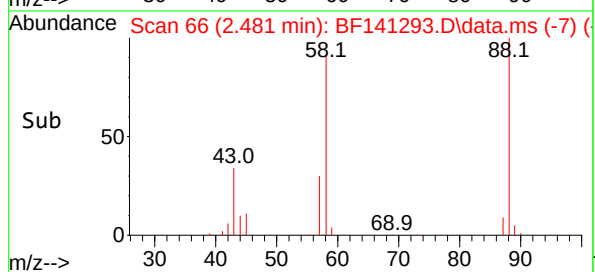
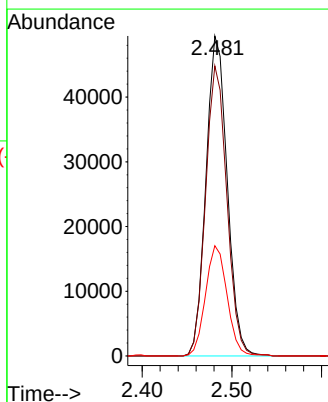
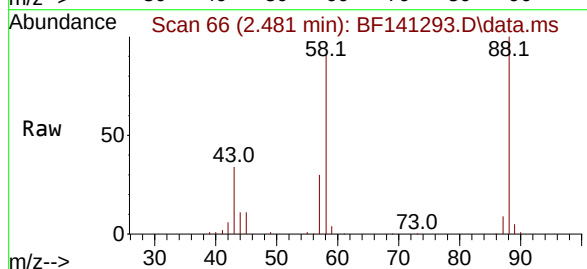
Manual Integrations
APPROVED

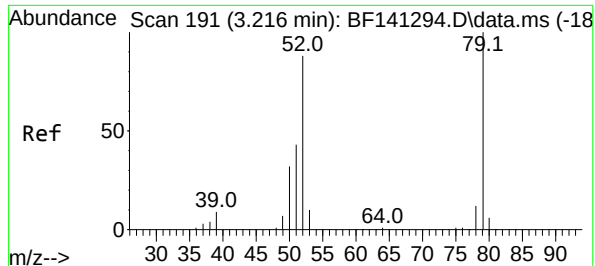
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#2
1,4-Dioxane
Concen: 20.794 ng
RT: 2.481 min Scan# 66
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

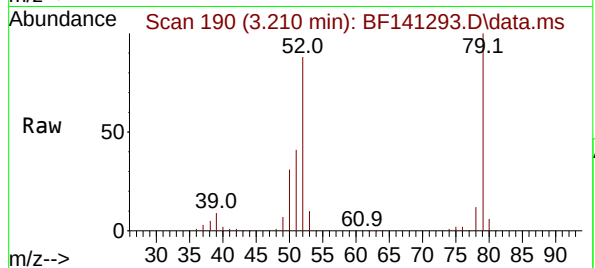
Tgt Ion: 88 Resp: 81467
Ion Ratio Lower Upper
88 100
58 90.4 70.2 105.4
43 35.0 27.6 41.4





#3
Pyridine
Concen: 21.116 ng
RT: 3.210 min Scan# 191
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

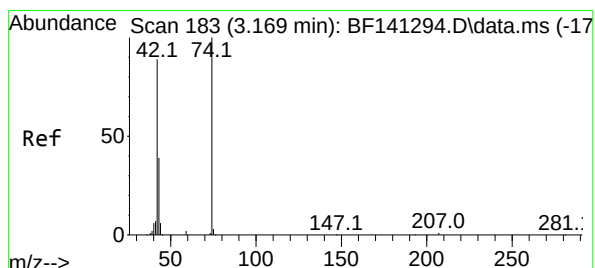
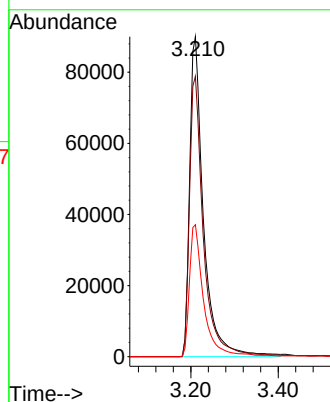
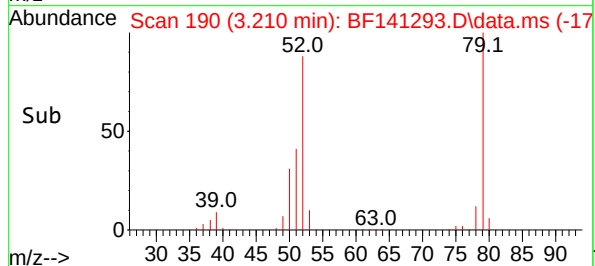
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



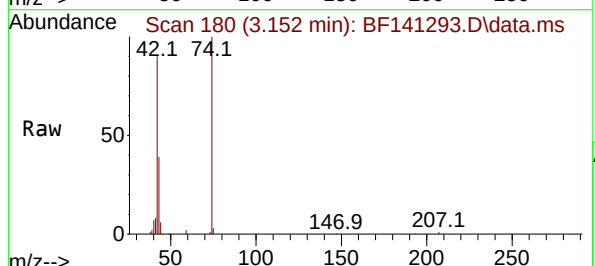
Tgt Ion: 79 Resp: 197852
Ion Ratio Lower Upper
79 100
52 87.6 70.3 105.5
51 41.2 34.3 51.5

Manual Integrations
APPROVED

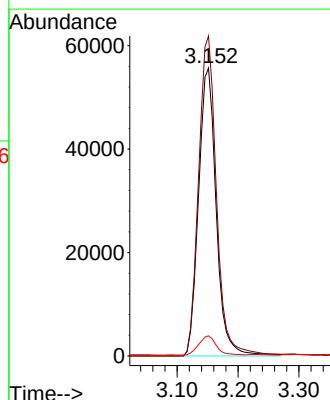
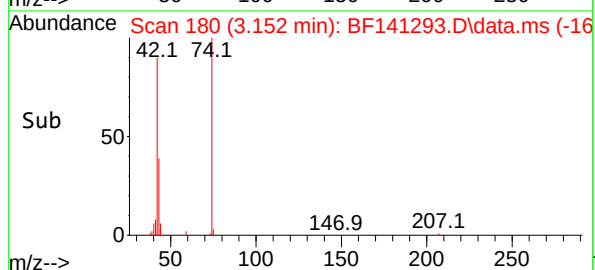
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

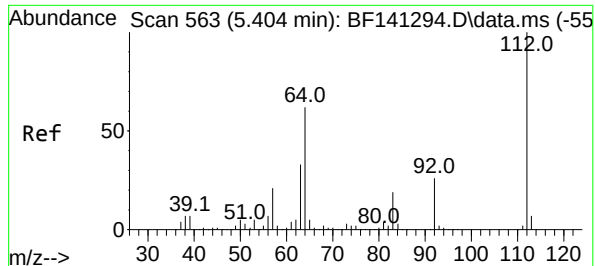


#4
n-Nitrosodimethylamine
Concen: 20.957 ng
RT: 3.152 min Scan# 180
Delta R.T. -0.018 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17



Tgt Ion: 42 Resp: 112451
Ion Ratio Lower Upper
42 100
74 111.2 90.3 135.5
44 7.0 5.7 8.5





#5
2-Fluorophenol
Concen: 43.351 ng
RT: 5.398 min Scan# 501
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

ClientSampleId :

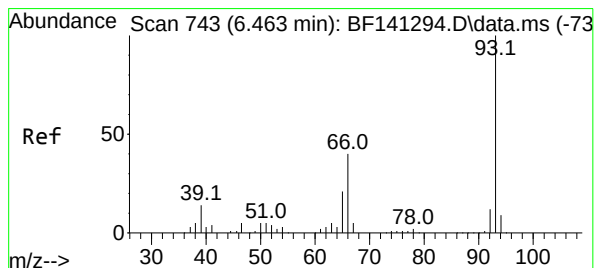
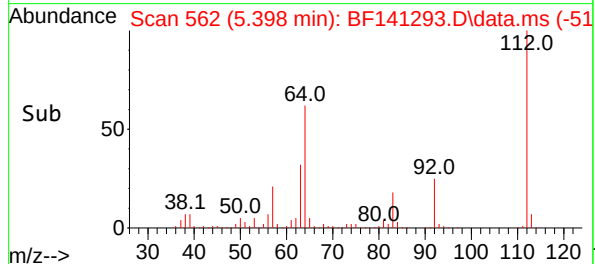
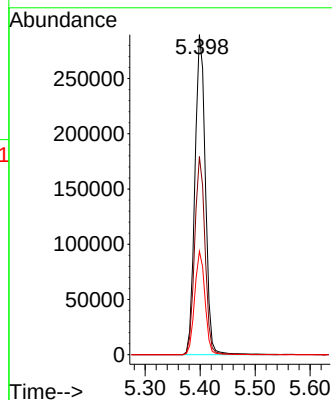
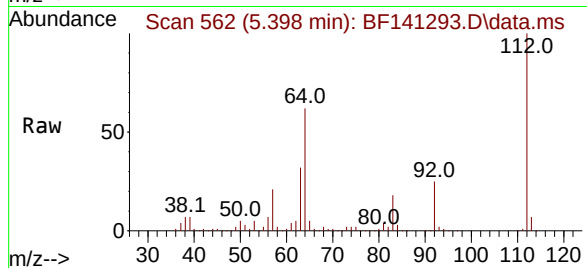
SSTDICC020

Tgt Ion:112 Resp: 382610
Ion Ratio Lower Upper
112 100
64 61.9 49.8 74.8
63 32.3 26.1 39.1

Manual Integrations

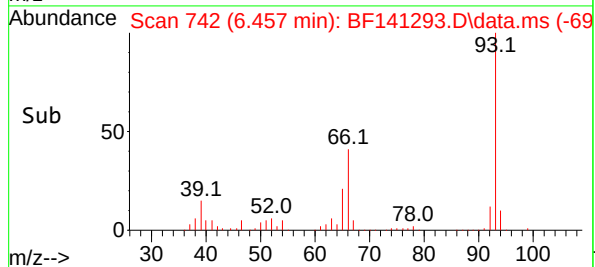
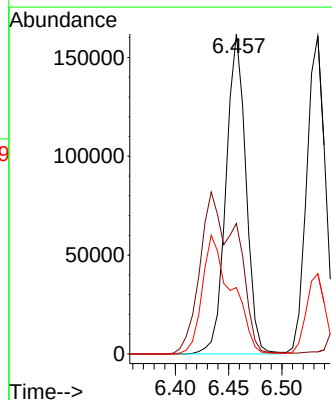
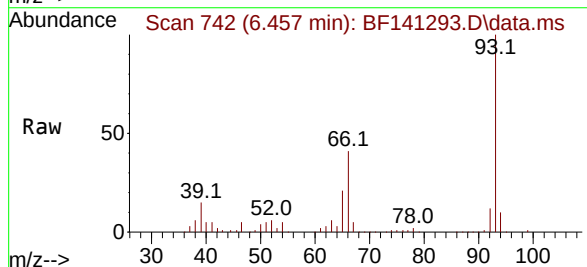
APPROVED

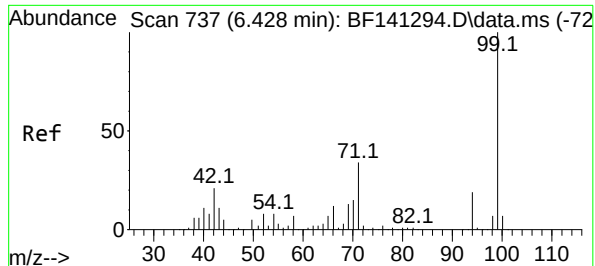
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#6
Aniline
Concen: 22.385 ng
RT: 6.457 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion: 93 Resp: 210459
Ion Ratio Lower Upper
93 100
66 40.8 32.5 48.7
65 20.7 17.0 25.6





#7

Phenol-d6

Concen: 42.305 ng

RT: 6.422 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion: 99 Resp: 475870

Ion Ratio Lower Upper

99 100

42 20.9 17.1 25.7

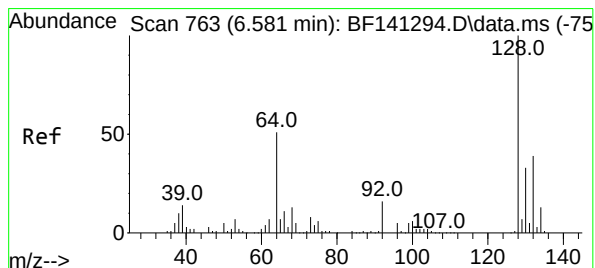
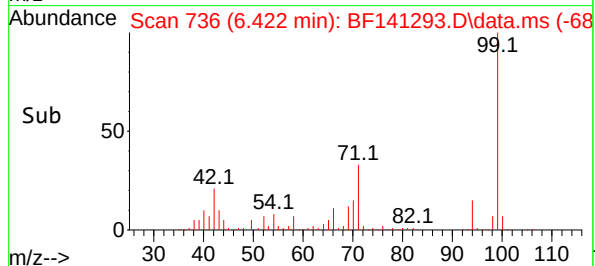
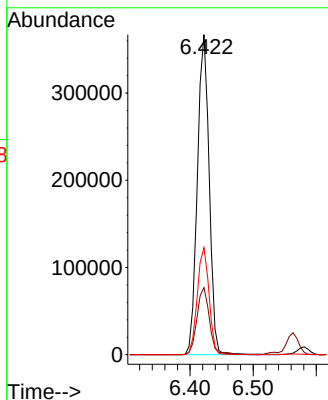
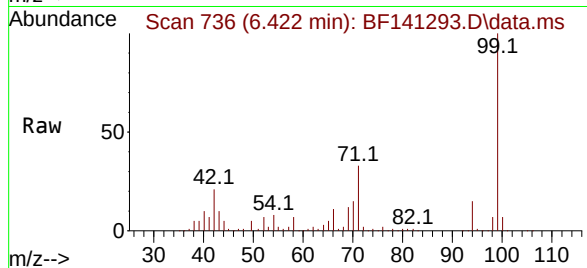
71 33.5 26.9 40.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#8

2-Chlorophenol

Concen: 21.418 ng

RT: 6.581 min Scan# 763

Delta R.T. 0.000 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

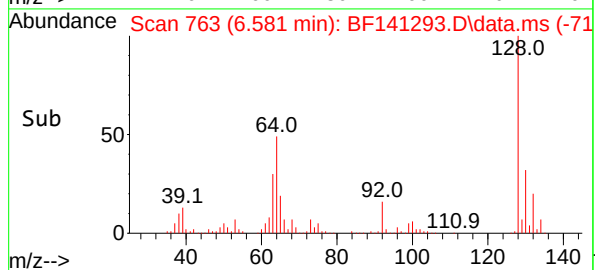
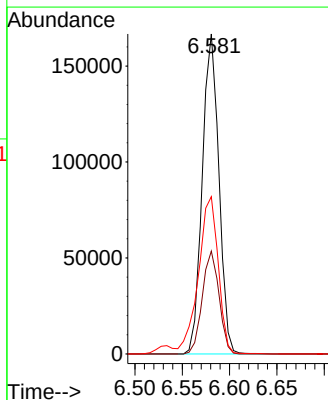
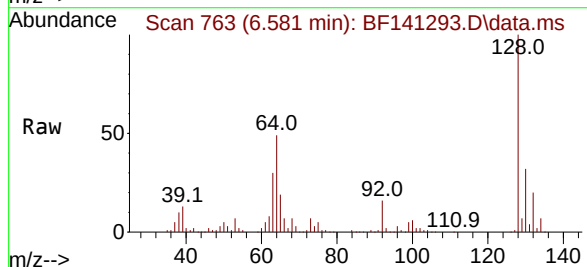
Tgt Ion:128 Resp: 203008

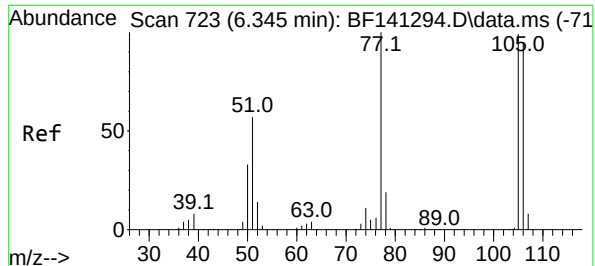
Ion Ratio Lower Upper

128 100

130 32.1 12.5 52.5

64 49.1 32.9 72.9





#9

Benzaldehyde

Concen: 23.065 ng

RT: 6.345 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion: 77 Resp: 150679

Ion Ratio Lower Upper

77 100

105 99.7 79.4 119.4

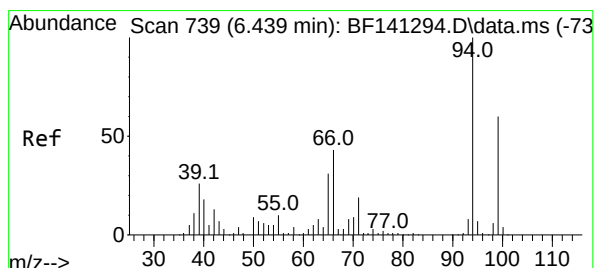
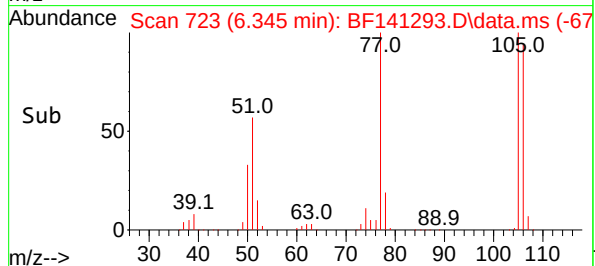
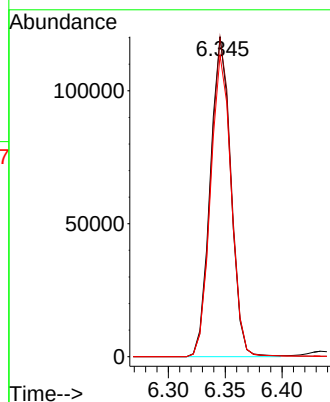
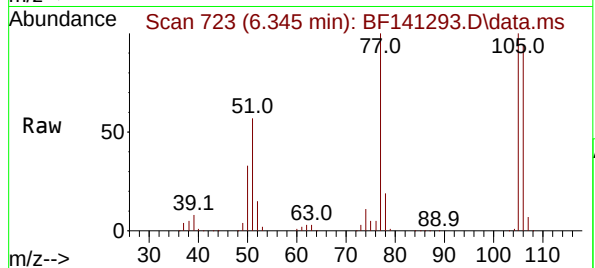
106 94.2 74.6 114.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#10

Phenol

Concen: 21.611 ng

RT: 6.434 min Scan# 738

Delta R.T. -0.006 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

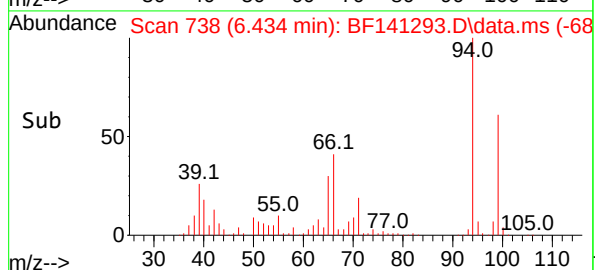
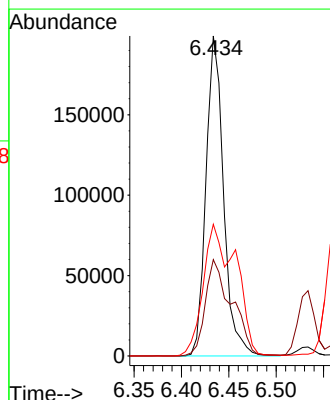
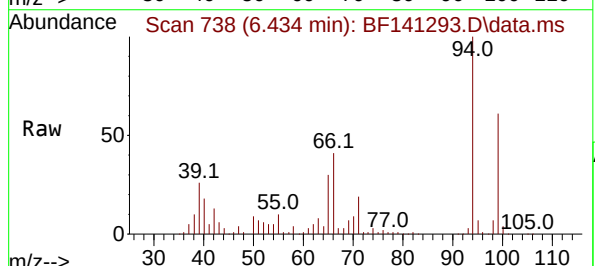
Tgt Ion: 94 Resp: 257179

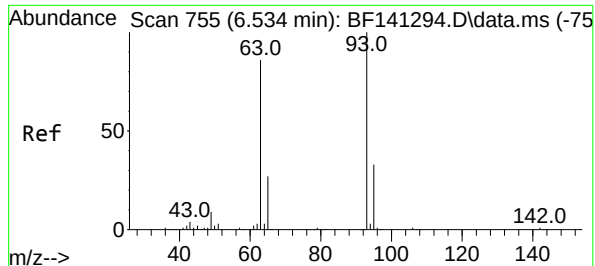
Ion Ratio Lower Upper

94 100

65 30.1 10.8 50.8

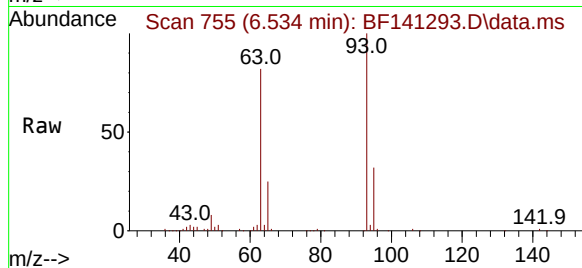
66 41.1 23.3 63.3





#11
bis(2-Chloroethyl)ether
Concen: 21.260 ng
RT: 6.534 min Scan# 755
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

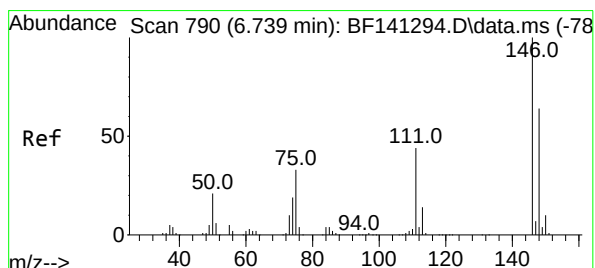
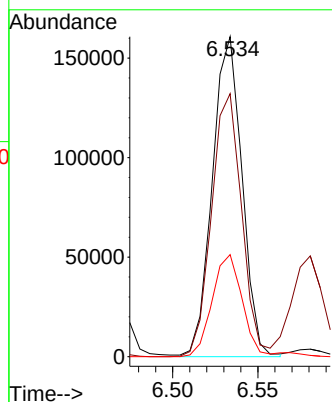
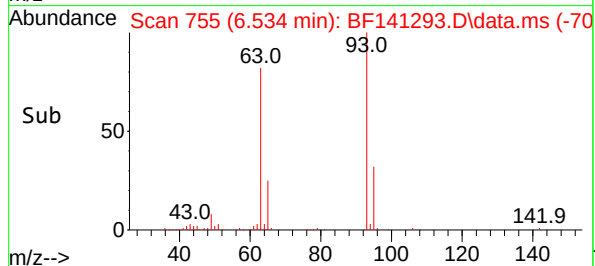
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion: 93 Resp: 194572
Ion Ratio Lower Upper
93 100
63 82.2 65.0 105.0
95 31.9 12.4 52.4

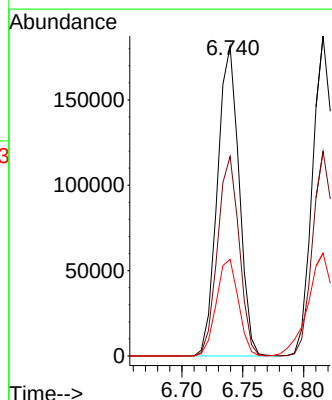
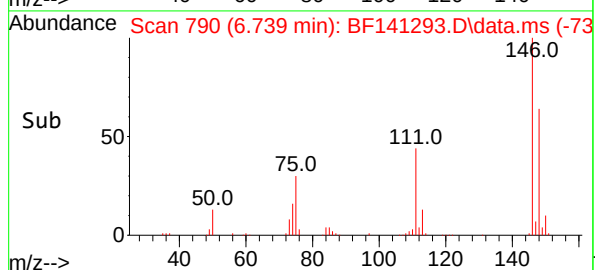
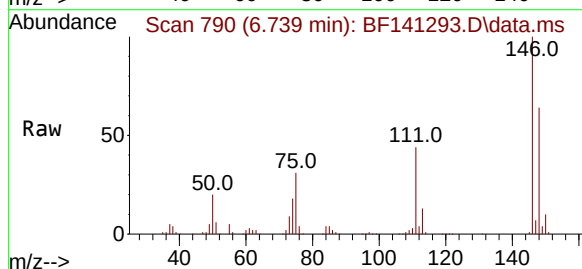
Manual Integrations
APPROVED

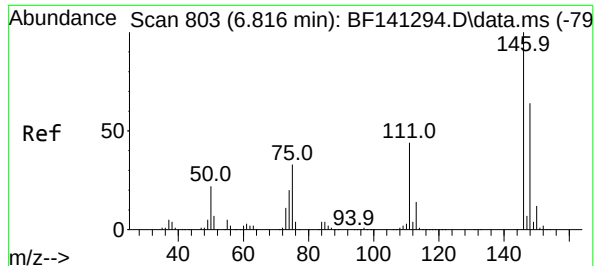
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#12
1,3-Dichlorobenzene
Concen: 21.512 ng
RT: 6.739 min Scan# 790
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:146 Resp: 224880
Ion Ratio Lower Upper
146 100
148 64.4 51.2 76.8
75 31.2 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 21.503 ng

RT: 6.816 min Scan# 803

Delta R.T. 0.000 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:146 Resp: 226370

Ion Ratio Lower Upper

146 100

148 63.9 51.2 76.8

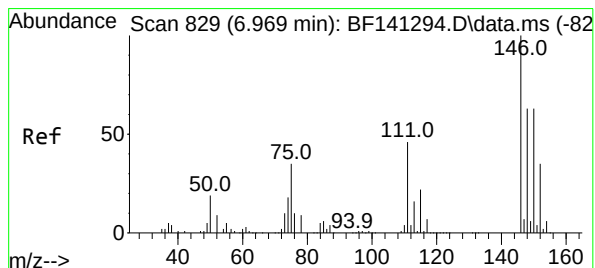
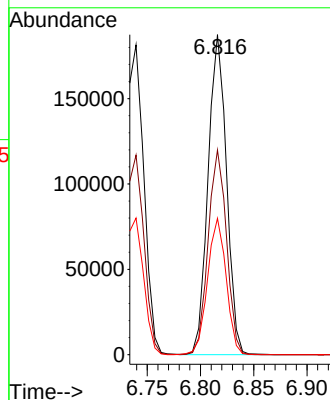
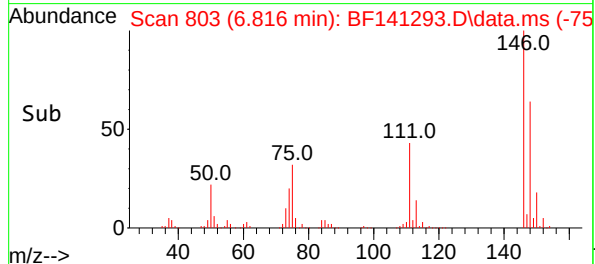
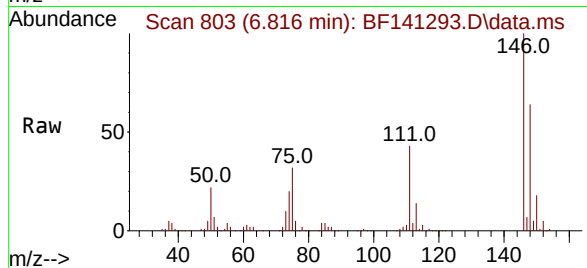
111 42.6 35.0 52.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#14

1,2-Dichlorobenzene

Concen: 21.714 ng

RT: 6.969 min Scan# 829

Delta R.T. 0.000 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

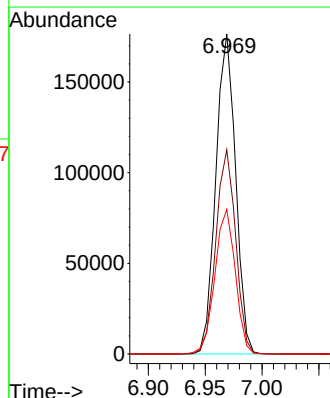
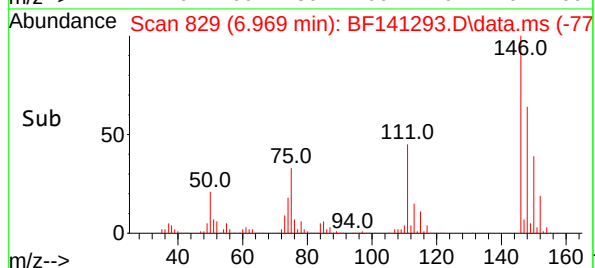
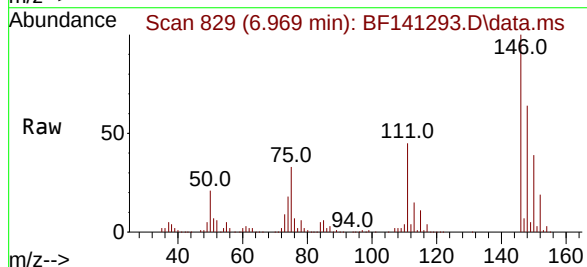
Tgt Ion:146 Resp: 213616

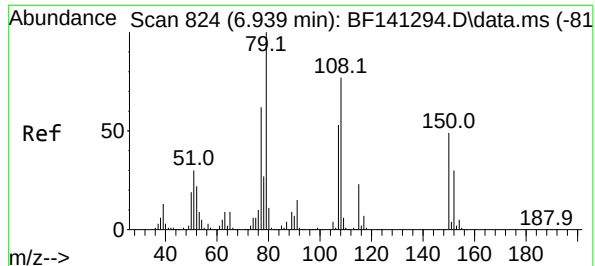
Ion Ratio Lower Upper

146 100

148 63.8 50.5 75.7

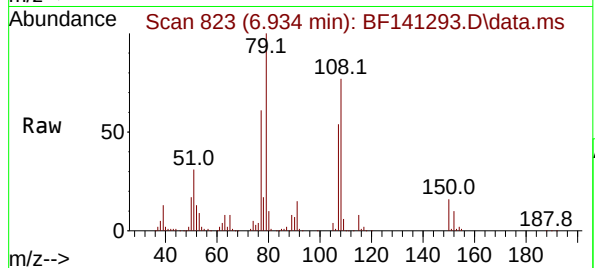
111 45.2 36.6 55.0





#15
Benzyl Alcohol
Concen: 21.602 ng
RT: 6.934 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

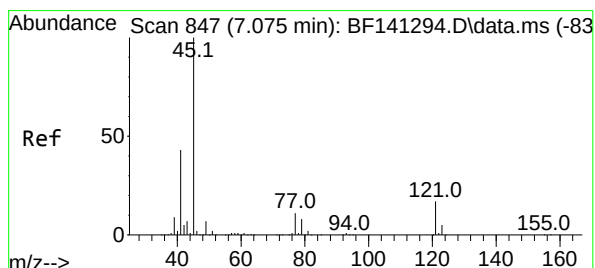
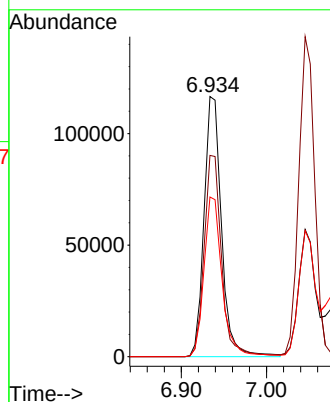
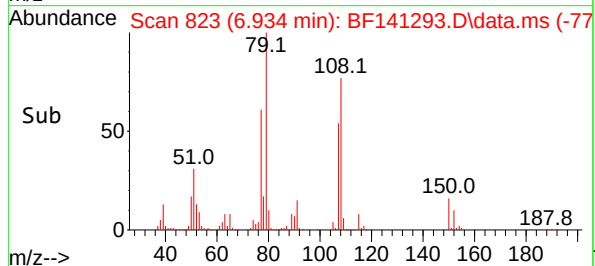
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion: 79 Resp: 166008
Ion Ratio Lower Upper
79 100
108 77.4 61.4 92.0
77 61.4 49.9 74.9

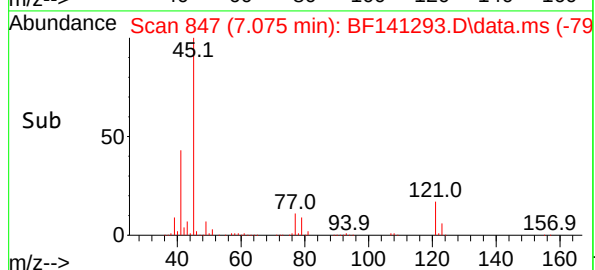
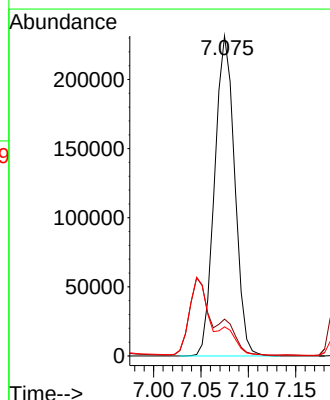
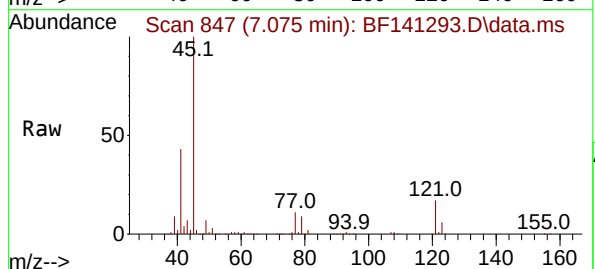
Manual Integrations
APPROVED

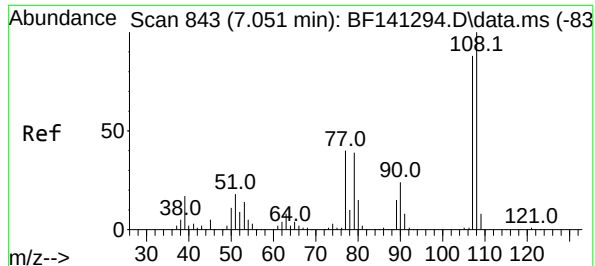
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#16
2,2'-oxybis(1-Chloropropane)
Concen: 21.420 ng
RT: 7.075 min Scan# 847
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

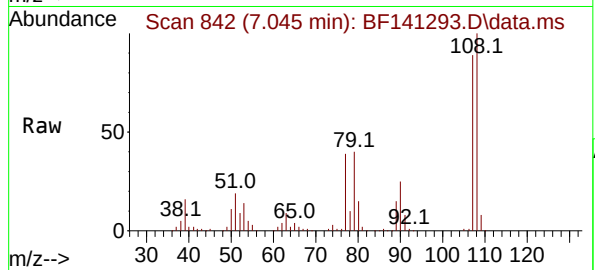
Tgt Ion: 45 Resp: 340590
Ion Ratio Lower Upper
45 100
77 11.5 0.0 31.8
79 9.1 0.0 29.1





#17
2-Methylphenol
Concen: 21.525 ng
RT: 7.045 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

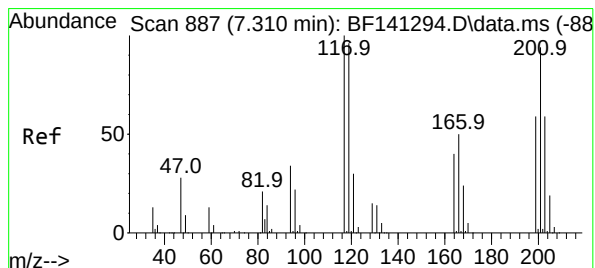
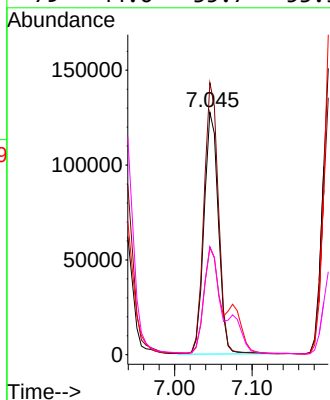
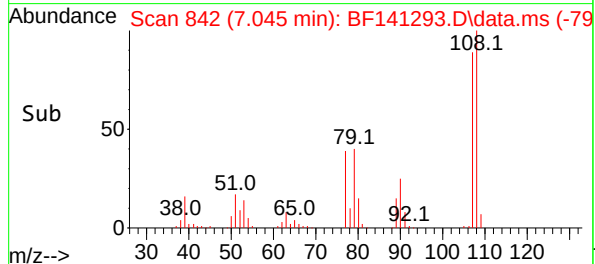
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:107 Resp: 16518
Ion Ratio Lower Upper
107 100
108 112.2 90.8 136.2
77 44.2 36.2 54.4
79 44.6 35.7 53.5

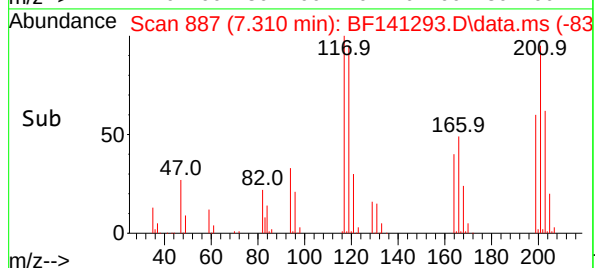
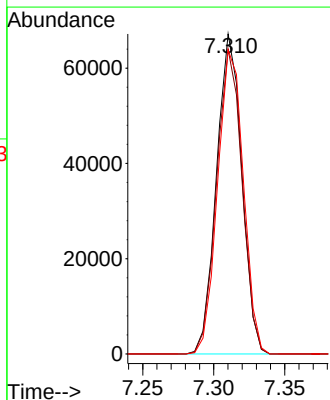
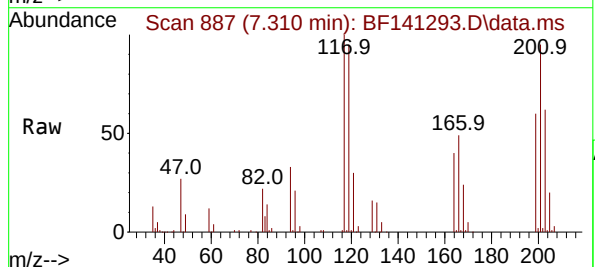
Manual Integrations
APPROVED

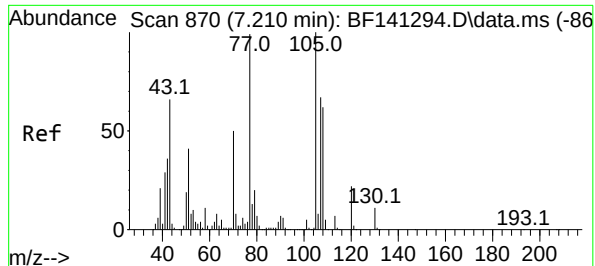
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#18
Hexachloroethane
Concen: 21.359 ng
RT: 7.310 min Scan# 887
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:117 Resp: 83193
Ion Ratio Lower Upper
117 100
119 95.2 76.6 114.8
201 95.1 74.8 112.2





#19

n-Nitroso-di-n-propylamine

Concen: 21.058 ng

RT: 7.204 min Scan# 8

Delta R.T. -0.006 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion: 70 Resp: 140874

Ion Ratio Lower Upper

70 100

42 69.9 56.8 85.2

101 10.1 7.7 11.5

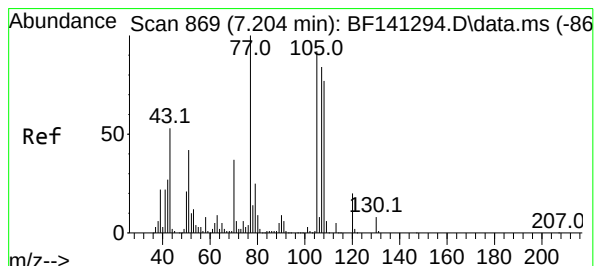
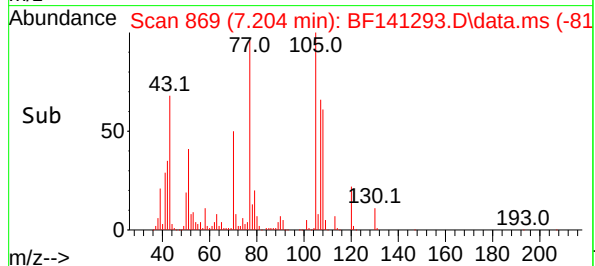
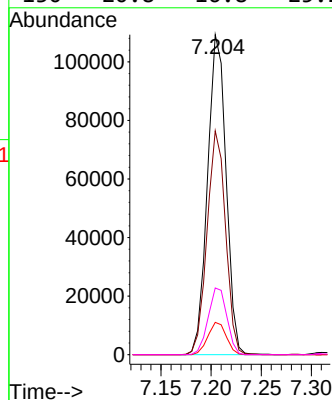
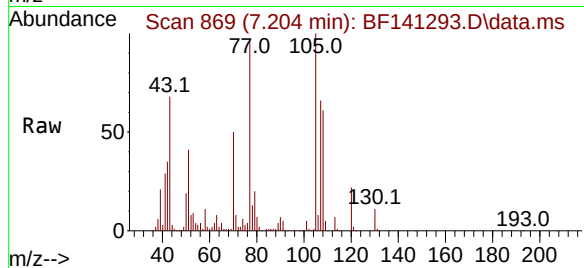
130 20.8 16.8 25.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#20

3+4-Methylphenols

Concen: 21.734 ng

RT: 7.198 min Scan# 868

Delta R.T. -0.006 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

Tgt Ion:107 Resp: 205070

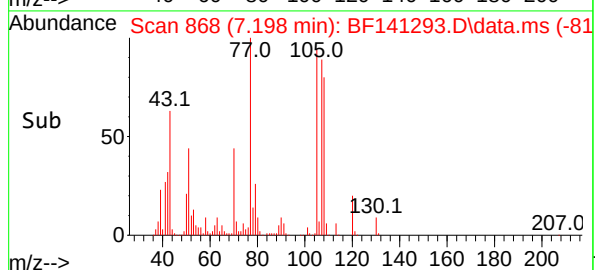
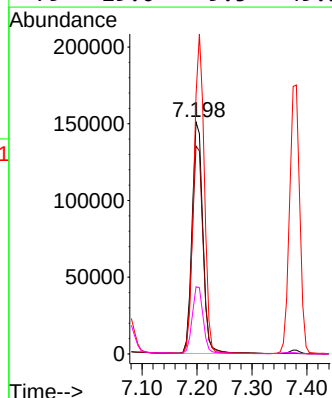
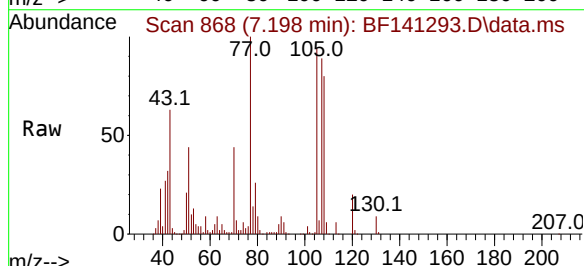
Ion Ratio Lower Upper

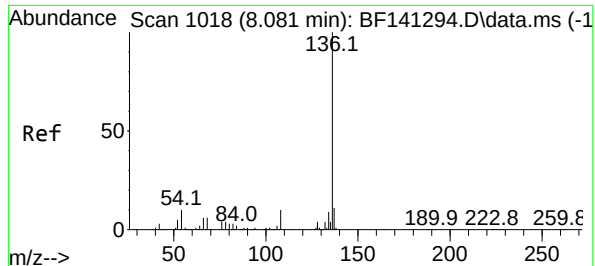
107 100

108 89.7 70.9 110.9

77 111.7 98.5 138.5

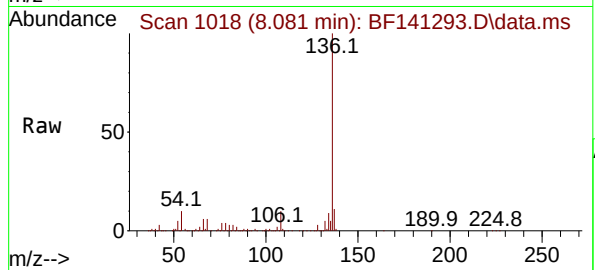
79 29.0 9.5 49.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1018
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

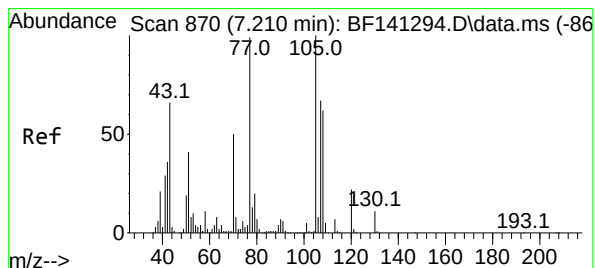
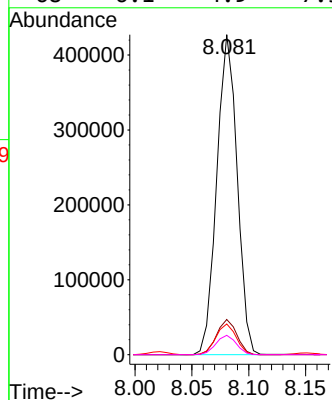
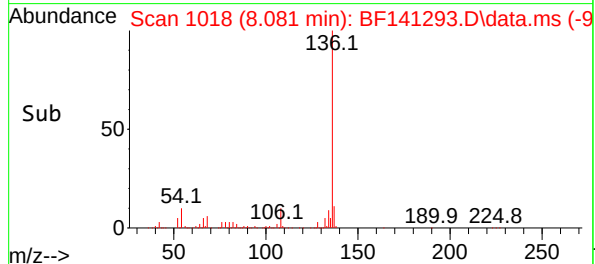
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



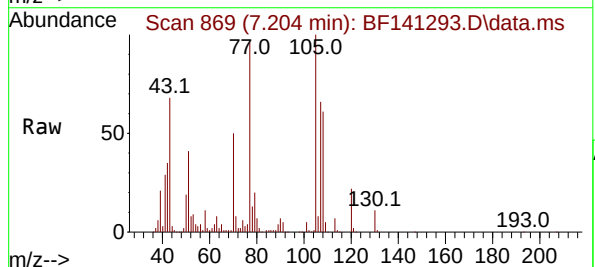
Tgt Ion:136 Resp: 532862
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 9.6 7.8 11.8
68 6.1 4.9 7.3

Manual Integrations
APPROVED

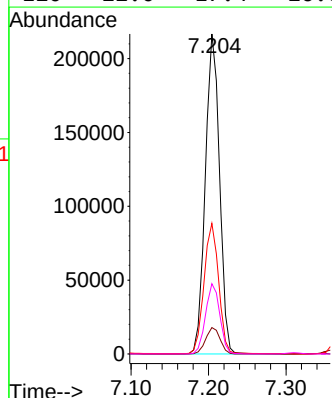
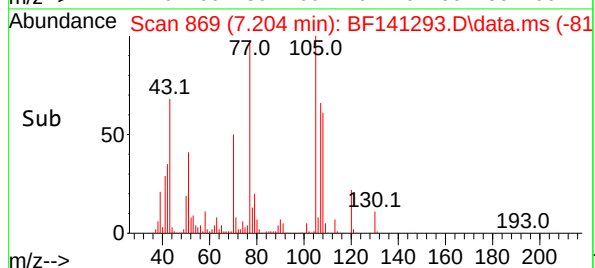
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

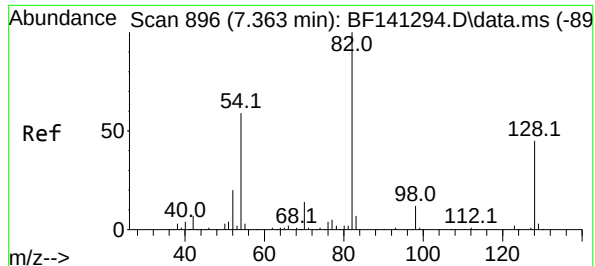


#22
Acetophenone
Concen: 21.825 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17



Tgt Ion:105 Resp: 275680
Ion Ratio Lower Upper
105 100
71 8.2 6.8 10.2
51 40.8 32.6 49.0
120 22.0 17.4 26.0





#23

Nitrobenzene-d5

Concen: 42.912 ng

RT: 7.357 min Scan# 895

Delta R.T. -0.006 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion: 82 Resp: 432160

Ion Ratio Lower Upper

82 100

128 44.2 35.7 53.5

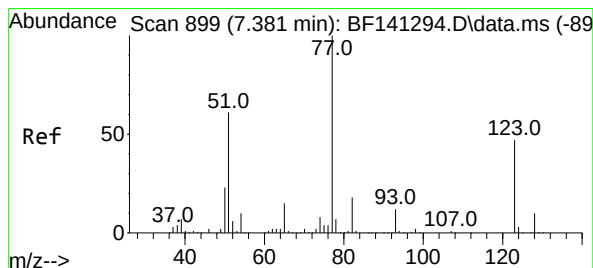
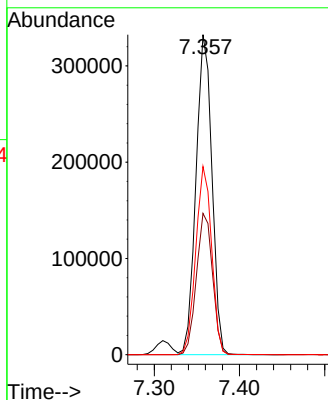
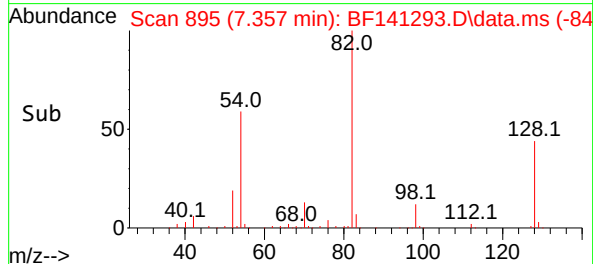
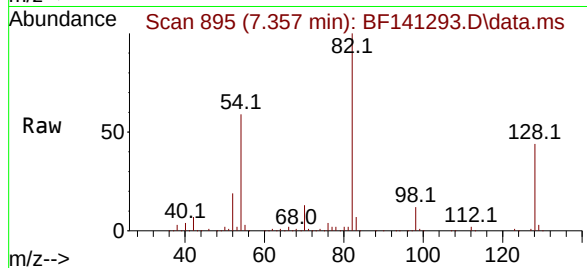
54 58.8 47.1 70.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#24

Nitrobenzene

Concen: 21.451 ng

RT: 7.381 min Scan# 899

Delta R.T. 0.000 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

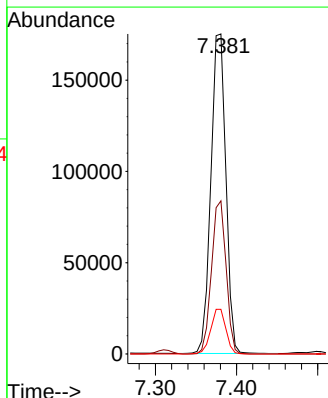
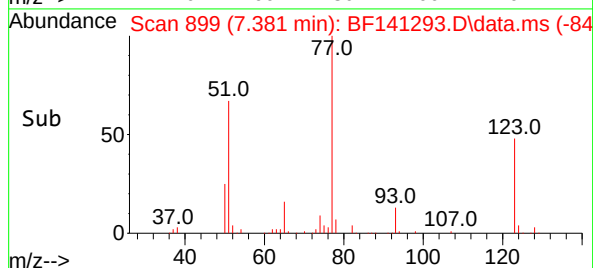
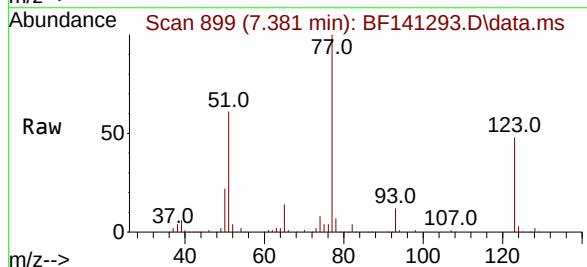
Tgt Ion: 77 Resp: 224061

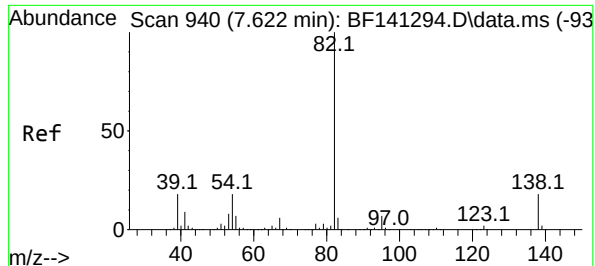
Ion Ratio Lower Upper

77 100

123 47.8 37.3 55.9

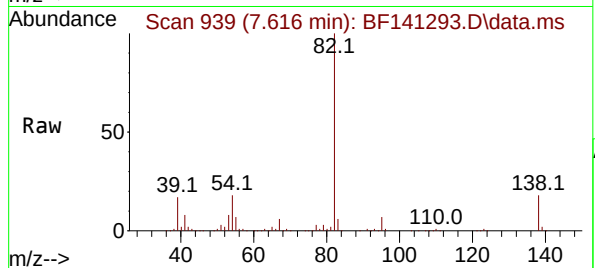
65 13.9 11.8 17.6





#25
Isophorone
Concen: 21.259 ng
RT: 7.616 min Scan# 911
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

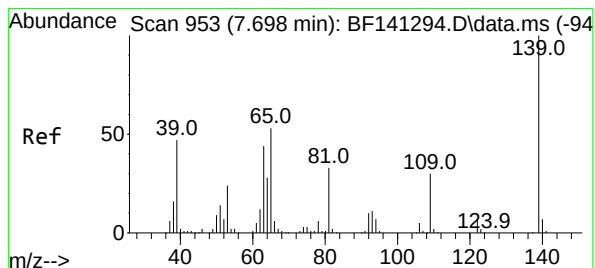
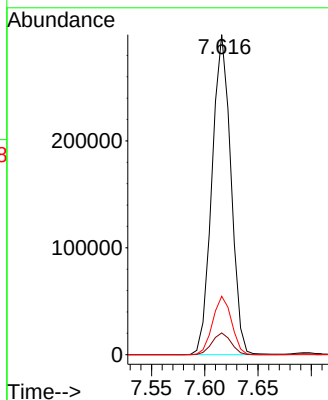
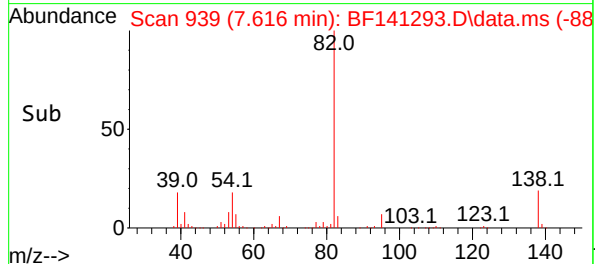
Instrument :
BNA_F
Client Sample Id :
SSTDICC020



Tgt Ion: 82 Resp: 369998
Ion Ratio Lower Upper
82 100
95 6.8 5.8 8.6
138 18.2 14.7 22.1

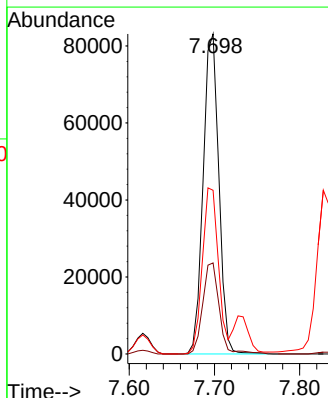
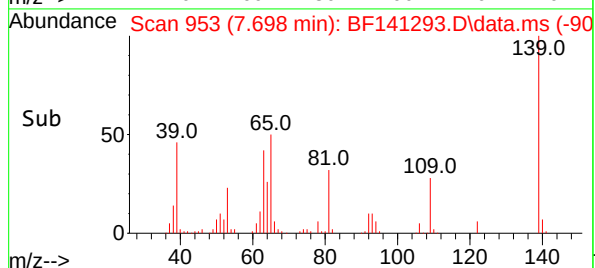
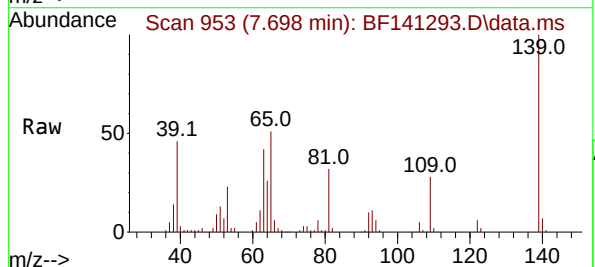
Manual Integrations
APPROVED

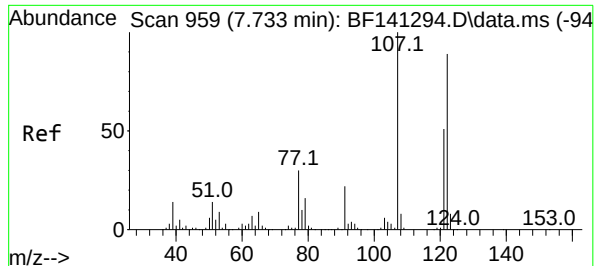
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#26
2-Nitrophenol
Concen: 21.725 ng
RT: 7.698 min Scan# 953
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:139 Resp: 106287
Ion Ratio Lower Upper
139 100
109 28.5 23.8 35.6
65 51.2 42.2 63.4





#27

2,4-Dimethylphenol

Concen: 21.233 ng m

RT: 7.734 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:122 Resp: 132748

Ion Ratio Lower Upper

122 100

107 111.9 89.9 134.9

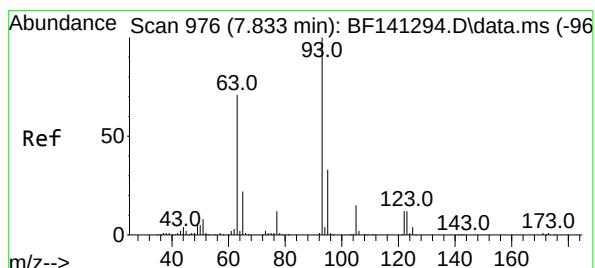
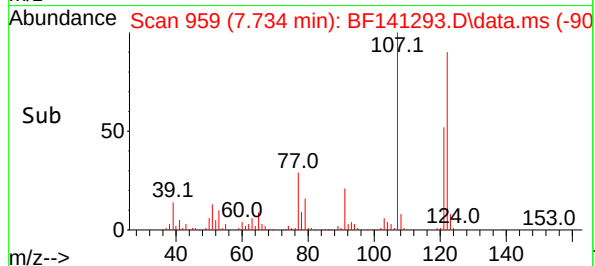
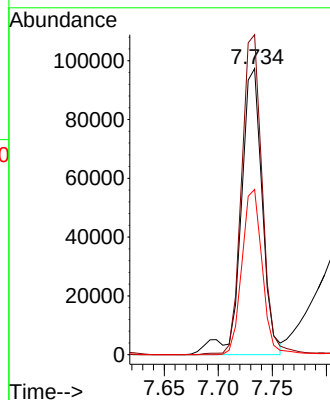
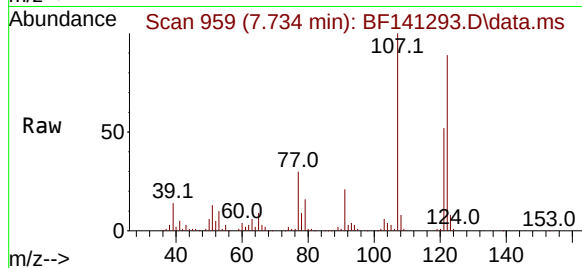
121 57.8 46.1 69.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#28

bis(2-Chloroethoxy)methane

Concen: 21.403 ng

RT: 7.828 min Scan# 975

Delta R.T. -0.006 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

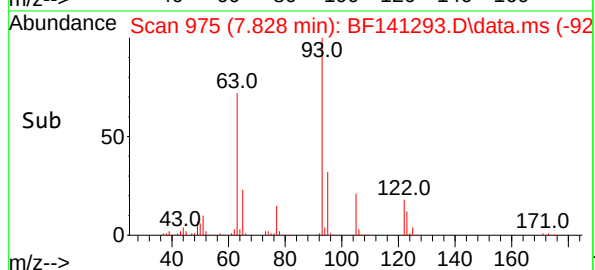
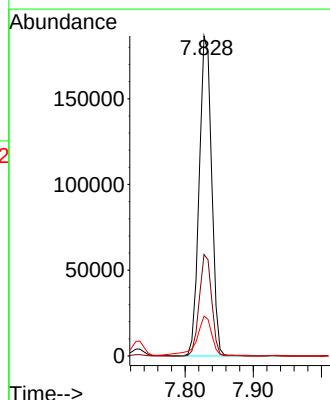
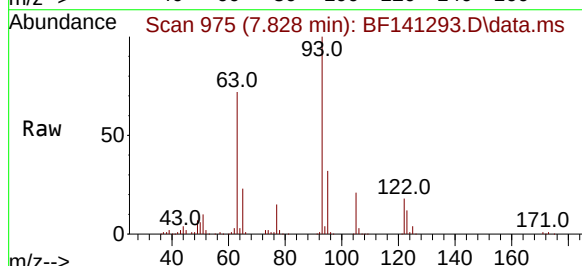
Tgt Ion: 93 Resp: 237369

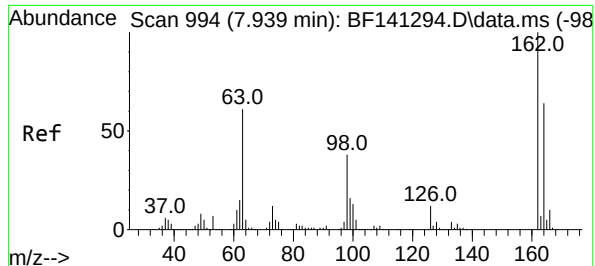
Ion Ratio Lower Upper

93 100

95 31.7 26.2 39.2

123 12.5 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 21.750 ng

RT: 7.934 min Scan# 994

Delta R.T. -0.006 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:162 Resp: 16615

Ion Ratio Lower Upper

162 100

164 64.4 44.2 84.2

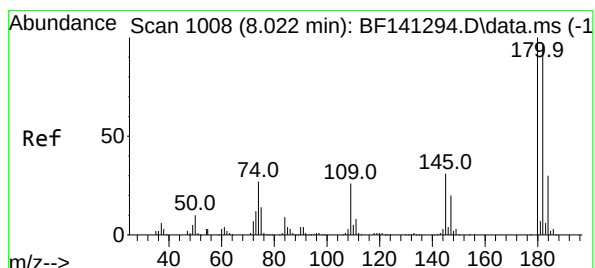
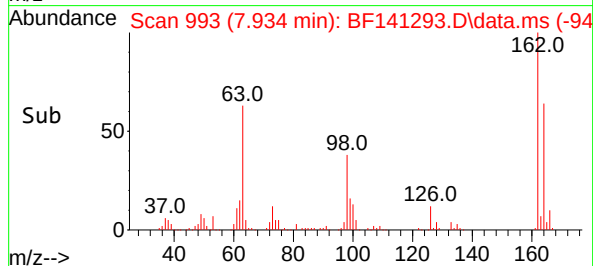
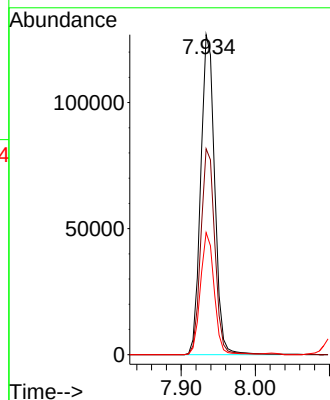
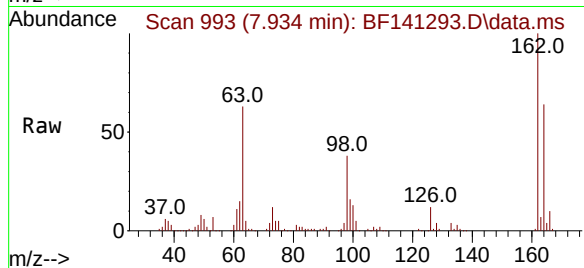
98 38.1 18.2 58.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#30

1,2,4-Trichlorobenzene

Concen: 21.511 ng

RT: 8.022 min Scan# 1008

Delta R.T. 0.000 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

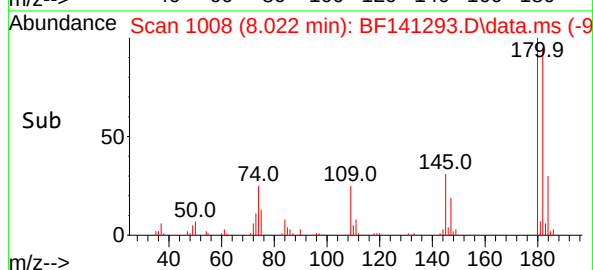
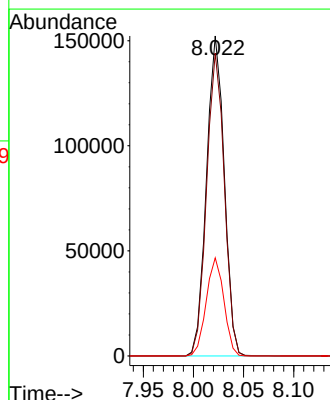
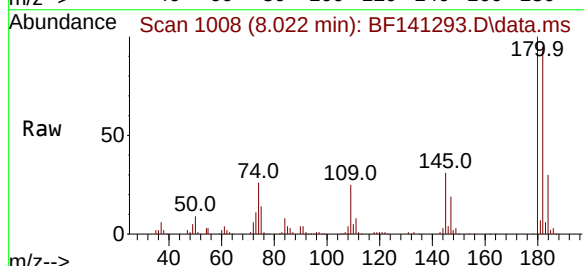
Tgt Ion:180 Resp: 188468

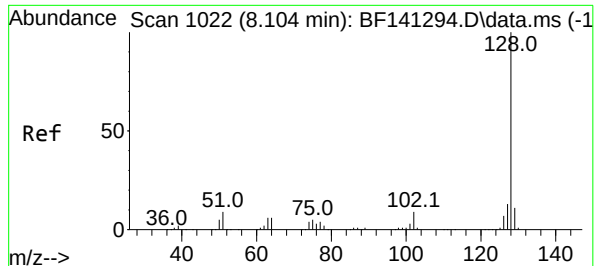
Ion Ratio Lower Upper

180 100

182 94.7 76.4 114.6

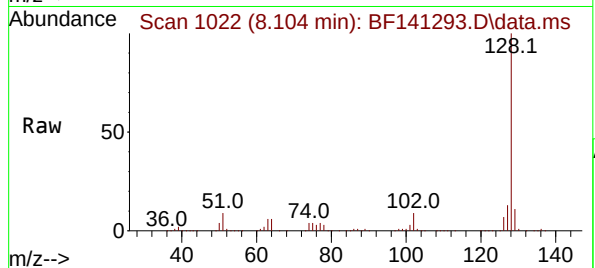
145 30.6 24.9 37.3





#31
Naphthalene
Concen: 21.681 ng
RT: 8.104 min Scan# 1022
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

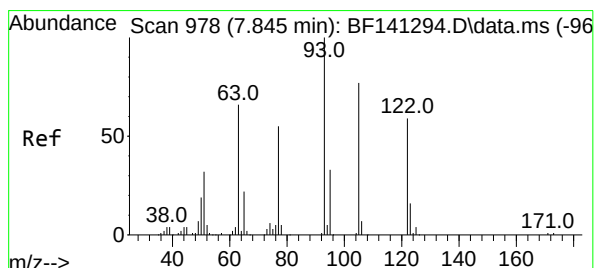
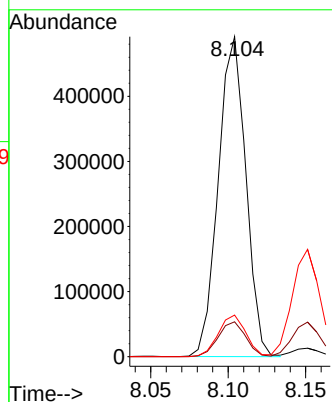
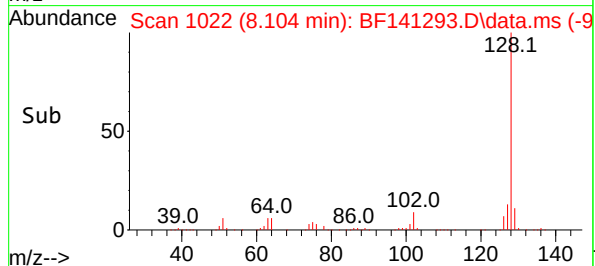
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:128 Resp: 60762
Ion Ratio Lower Upper
128 100
129 10.9 8.9 13.3
127 13.0 10.6 15.8

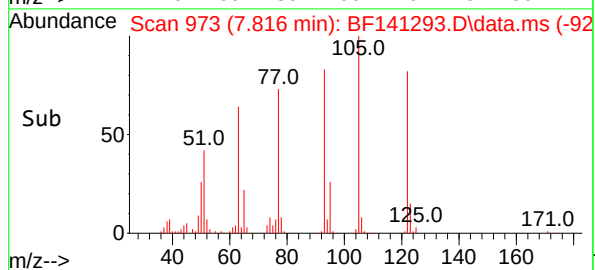
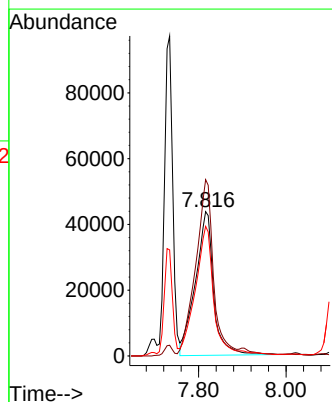
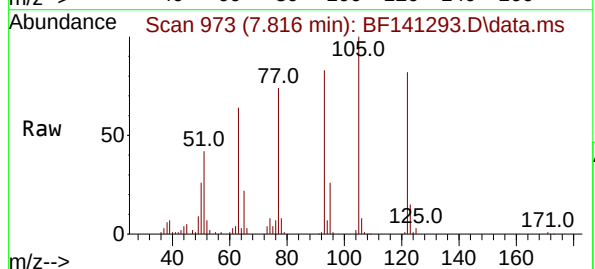
Manual Integrations
APPROVED

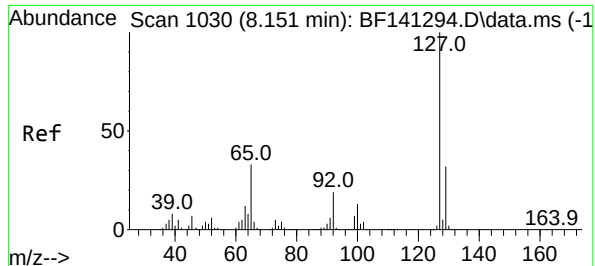
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#32
Benzoic acid
Concen: 22.321 ng
RT: 7.816 min Scan# 973
Delta R.T. -0.029 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:122 Resp: 126734
Ion Ratio Lower Upper
122 100
105 122.2 103.4 143.4
77 89.9 70.9 110.9





#33

4-Chloroaniline

Concen: 22.151 ng

RT: 8.151 min Scan# 1030

Delta R.T. 0.000 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:127 Resp: 20853

Ion Ratio Lower Upper

127 100

129 32.2 25.7 38.5

65 31.6 26.4 39.6

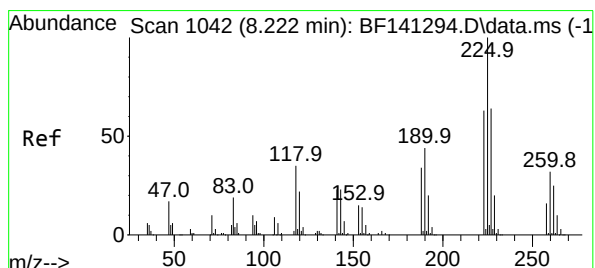
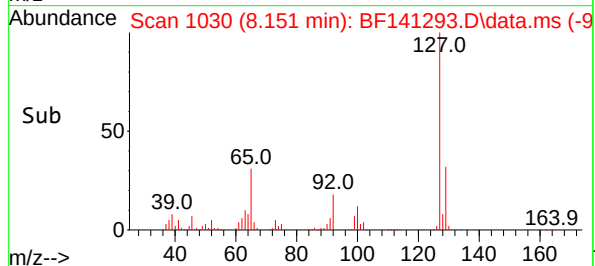
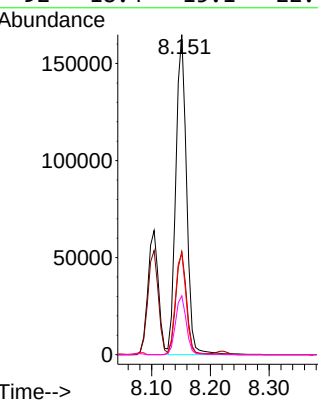
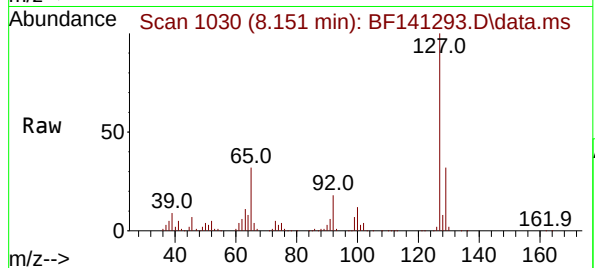
92 18.4 15.1 22.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#34

Hexachlorobutadiene

Concen: 21.699 ng

RT: 8.222 min Scan# 1042

Delta R.T. 0.000 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

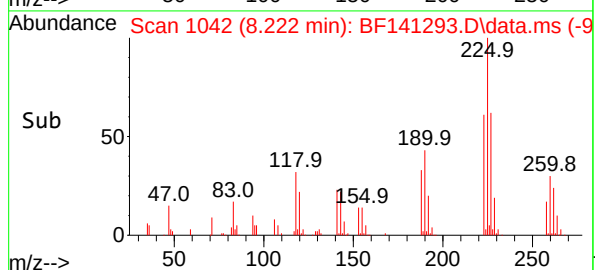
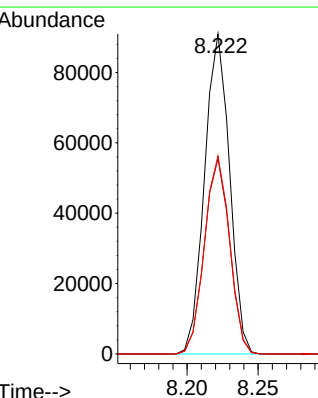
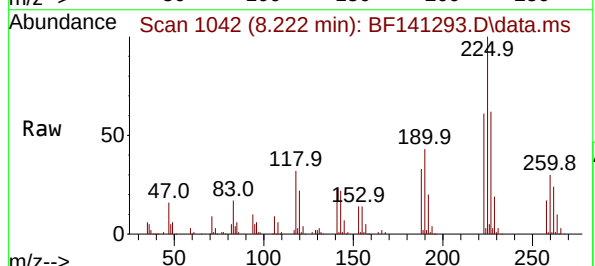
Tgt Ion:225 Resp: 111274

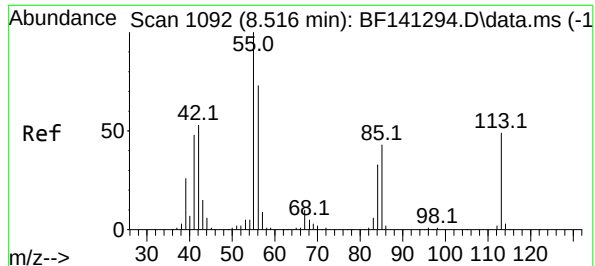
Ion Ratio Lower Upper

225 100

223 61.0 50.4 75.6

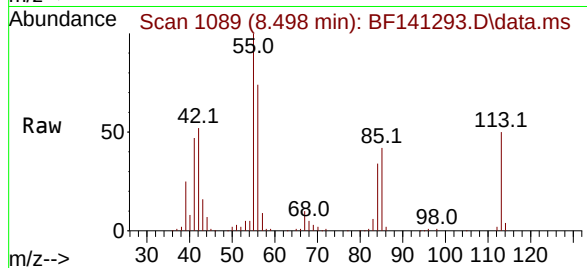
227 61.9 51.3 76.9





#35
Caprolactam
Concen: 21.968 ng
RT: 8.498 min Scan# 1092
Delta R.T. -0.018 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

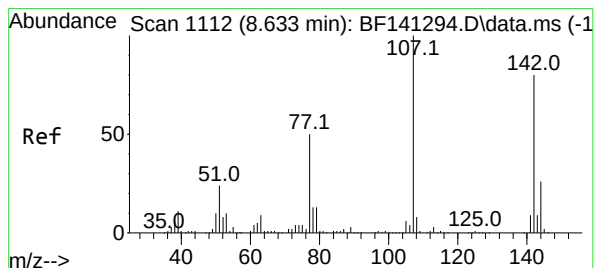
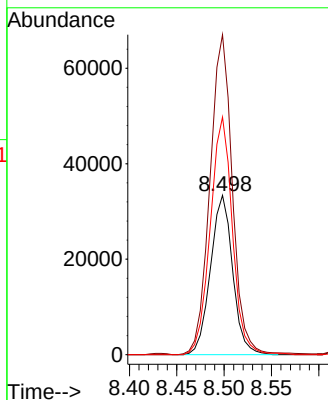
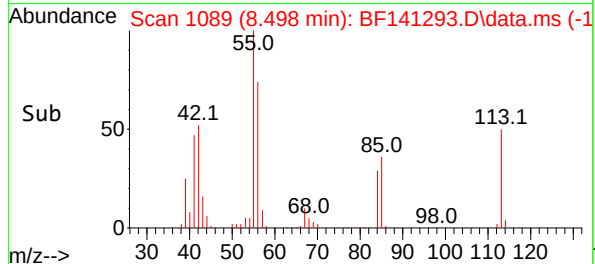
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:113 Resp: 54280
Ion Ratio Lower Upper
113 100
55 200.9 182.9 222.9
56 149.2 127.9 167.9

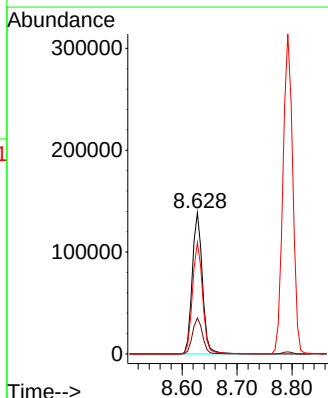
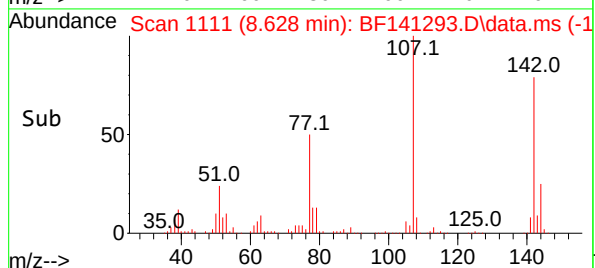
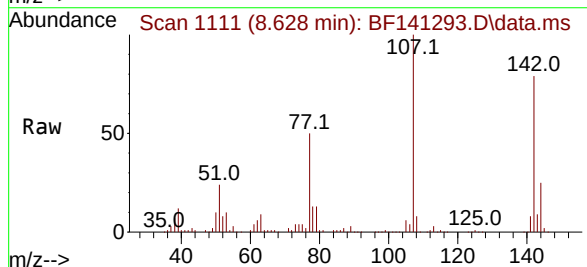
Manual Integrations
APPROVED

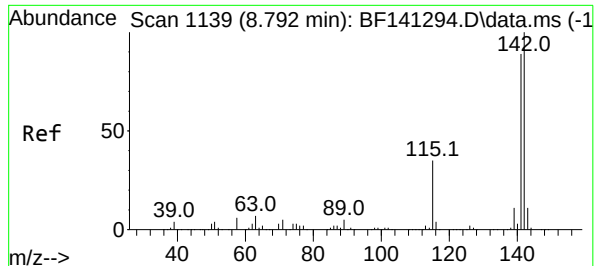
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#36
4-Chloro-3-methylphenol
Concen: 21.708 ng
RT: 8.628 min Scan# 1111
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:107 Resp: 177981
Ion Ratio Lower Upper
107 100
144 25.5 20.7 31.1
142 79.0 63.8 95.8





#37

2-Methylnaphthalene

Concen: 21.630 ng

RT: 8.792 min Scan# 1139

Delta R.T. 0.000 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:142 Resp: 38603

Ion Ratio Lower Upper

142 100

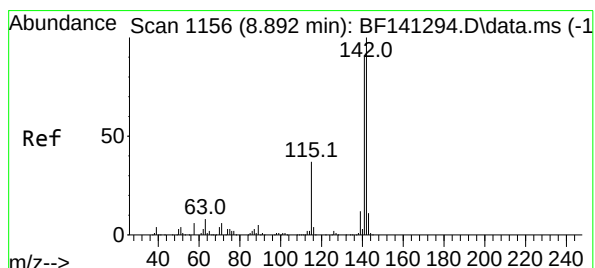
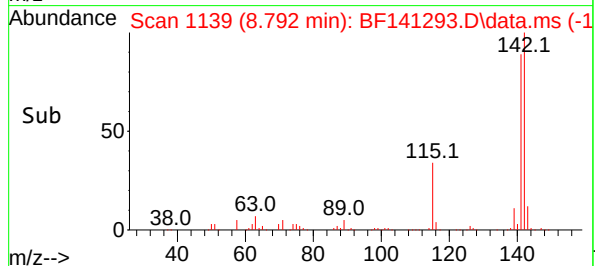
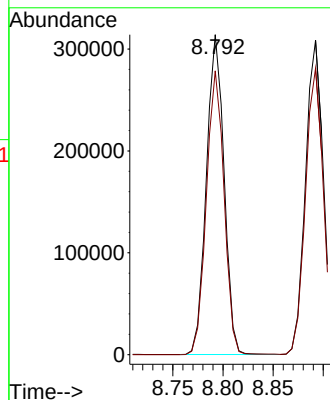
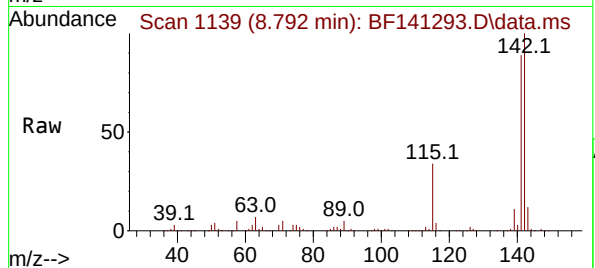
141 88.7 71.3 106.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#38

1-Methylnaphthalene

Concen: 21.671 ng

RT: 8.892 min Scan# 1156

Delta R.T. 0.000 min

Lab File: BF141293.D

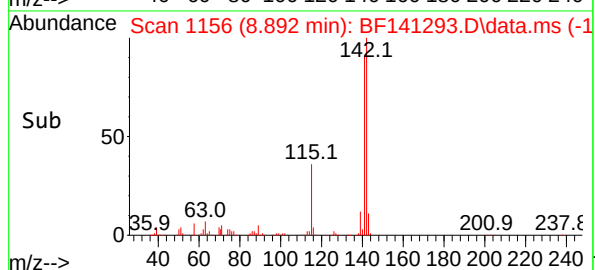
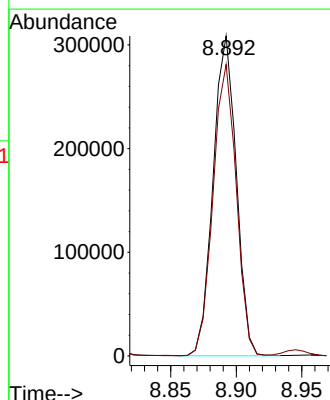
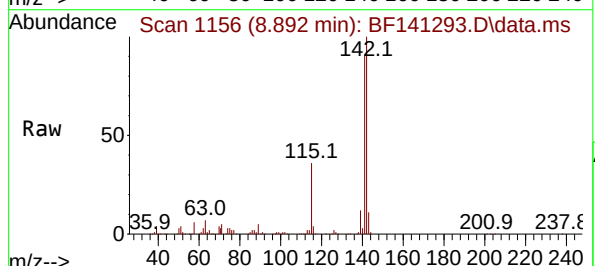
Acq: 29 Jan 2025 15:17

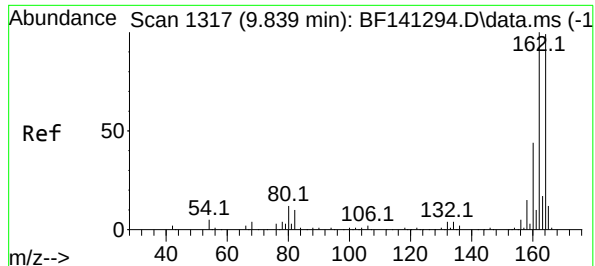
Tgt Ion:142 Resp: 378878

Ion Ratio Lower Upper

142 100

141 91.1 73.2 109.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.839 min Scan# 1167

Delta R.T. 0.000 min

Lab File: BF141293.D

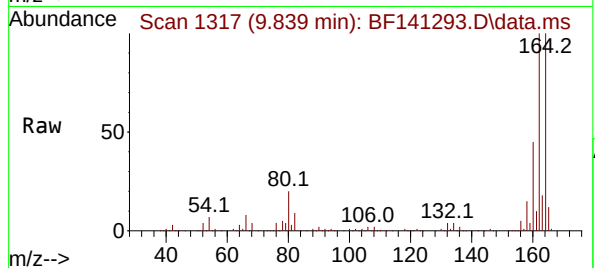
Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC020



Tgt Ion:164 Resp: 293084

Ion Ratio Lower Upper

164 100

162 99.8 80.6 121.0

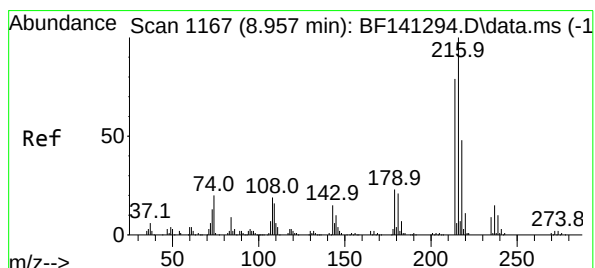
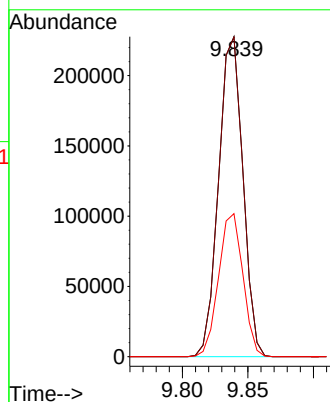
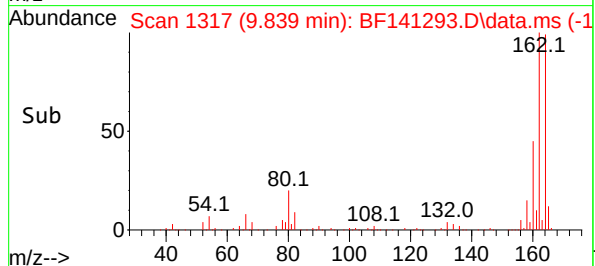
160 44.7 35.8 53.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 21.209 ng

RT: 8.957 min Scan# 1167

Delta R.T. 0.000 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

Tgt Ion:216 Resp: 176736

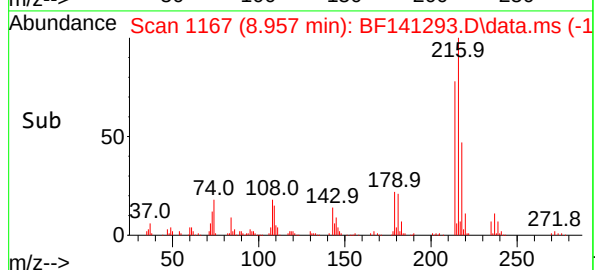
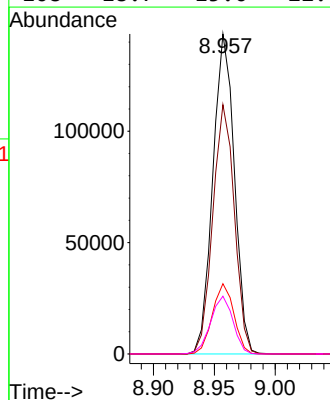
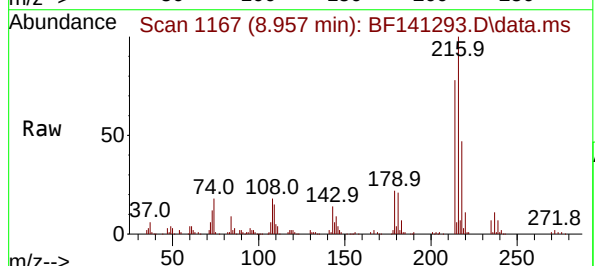
Ion Ratio Lower Upper

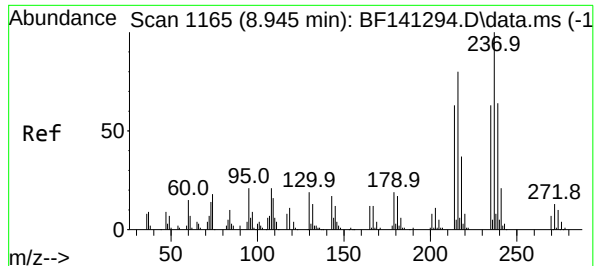
216 100

214 77.9 63.2 94.8

179 21.9 17.8 26.8

108 18.7 15.0 22.6





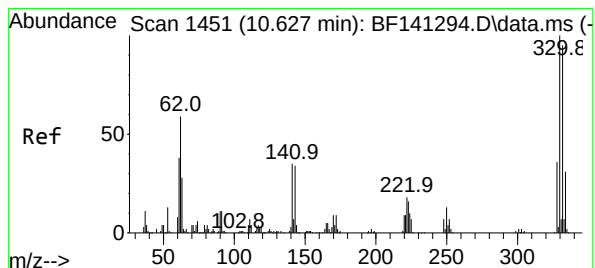
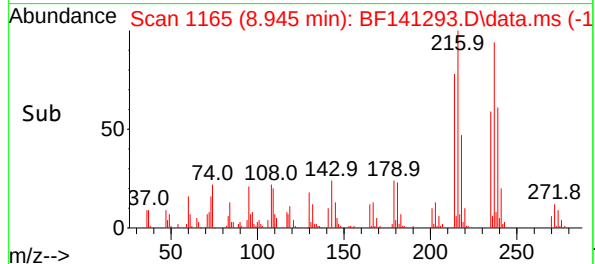
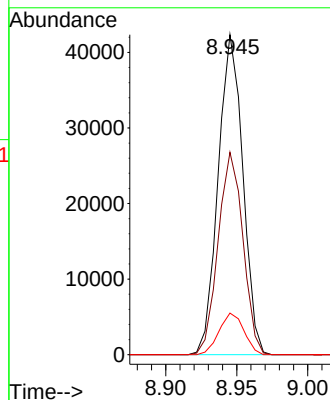
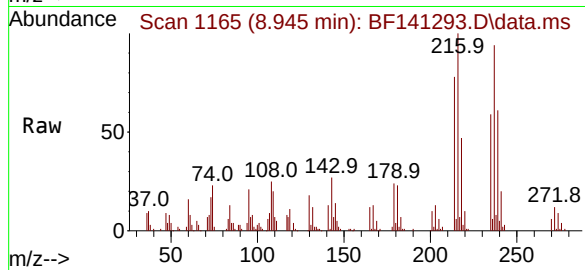
#41
Hexachlorocyclopentadiene
Concen: 20.438 ng
RT: 8.945 min Scan# 1165
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:237 Resp: 5111
Ion Ratio Lower Upper
237 100
235 63.3 42.9 82.9
272 13.0 0.0 32.8

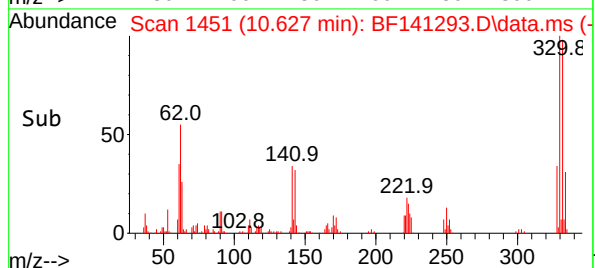
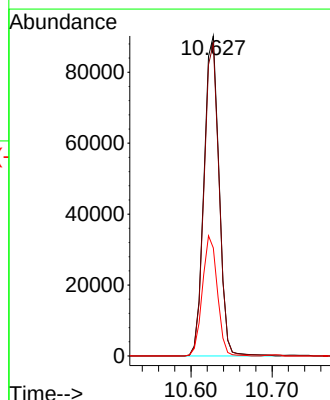
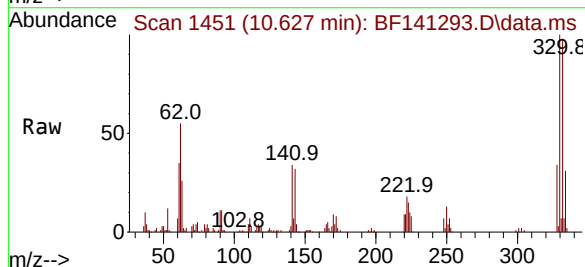
Manual Integrations
APPROVED

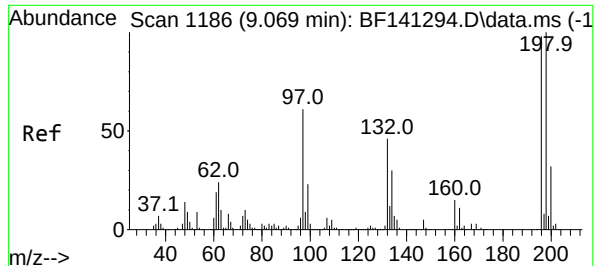
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#42
2,4,6-Tribromophenol
Concen: 43.498 ng
RT: 10.627 min Scan# 1451
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:330 Resp: 116167
Ion Ratio Lower Upper
330 100
332 97.4 76.1 114.1
141 37.2 28.8 43.2





#43

2,4,6-Trichlorophenol

Concen: 21.029 ng

RT: 9.069 min Scan# 1186

Delta R.T. 0.000 min

Lab File: BF141293.D

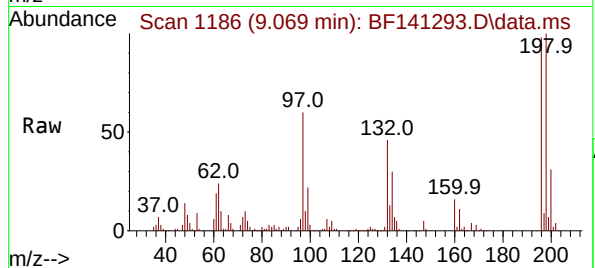
Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC020



Tgt Ion:196 Resp: 114390

Ion Ratio Lower Upper

196 100

198 102.3 81.8 122.6

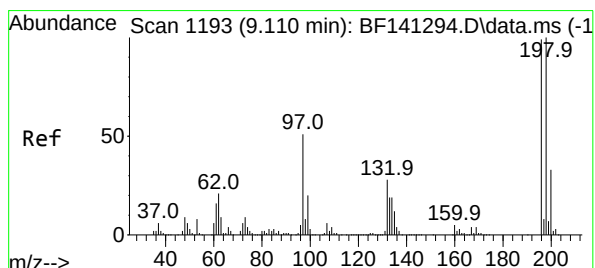
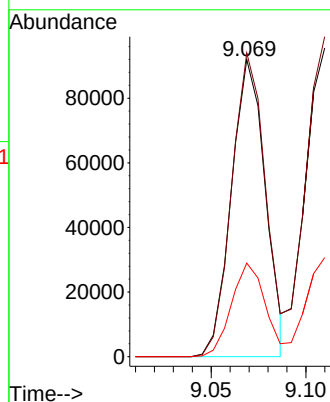
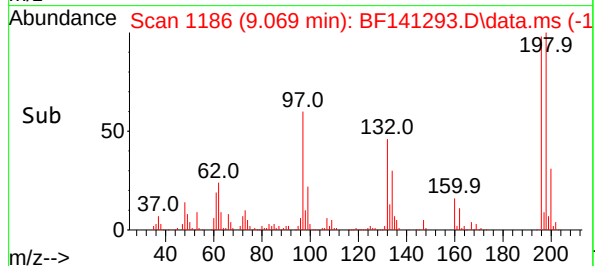
200 31.5 26.3 39.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#44

2,4,5-Trichlorophenol

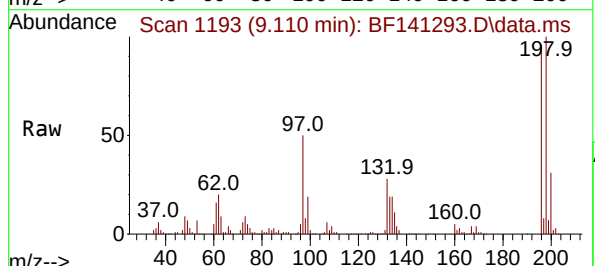
Concen: 21.245 ng

RT: 9.110 min Scan# 1193

Delta R.T. 0.000 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17



Tgt Ion:196 Resp: 125725

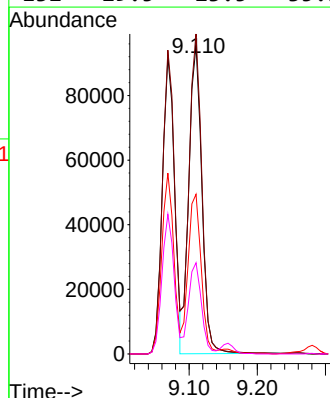
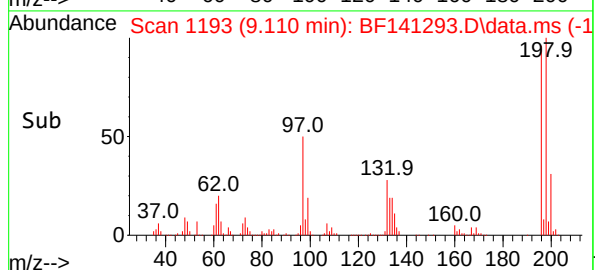
Ion Ratio Lower Upper

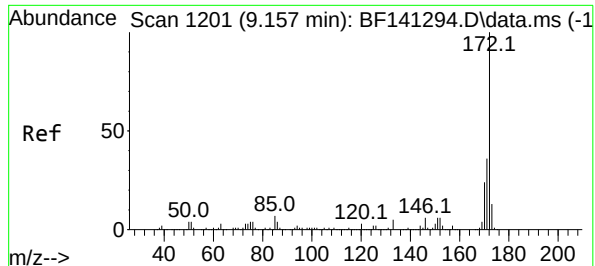
196 100

198 103.7 80.5 120.7

97 51.8 42.8 64.2

132 29.5 23.5 35.3





#45

2-Fluorobiphenyl

Concen: 43.127 ng

RT: 9.157 min Scan# 1201

Delta R.T. 0.000 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:172 Resp: 81937

Ion Ratio Lower Upper

172 100

171 35.1 28.8 43.2

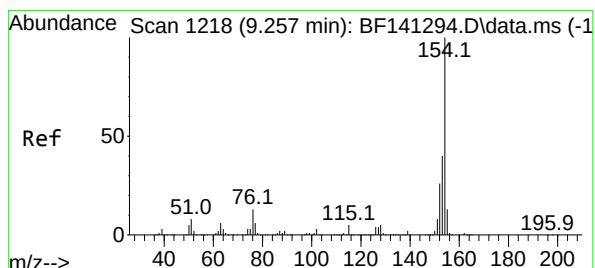
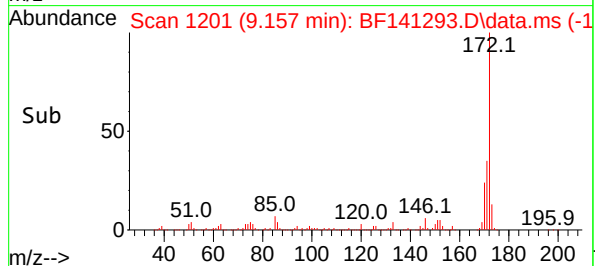
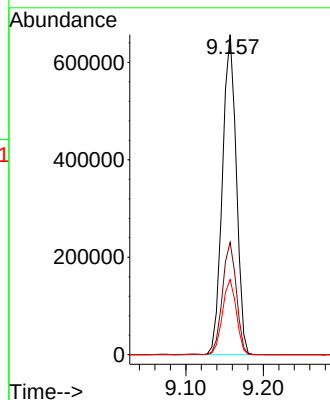
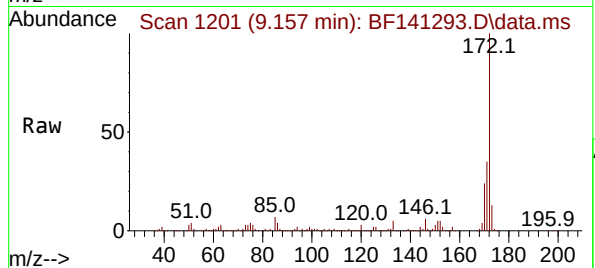
170 23.5 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#46

1,1'-Biphenyl

Concen: 21.145 ng

RT: 9.257 min Scan# 1218

Delta R.T. 0.000 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

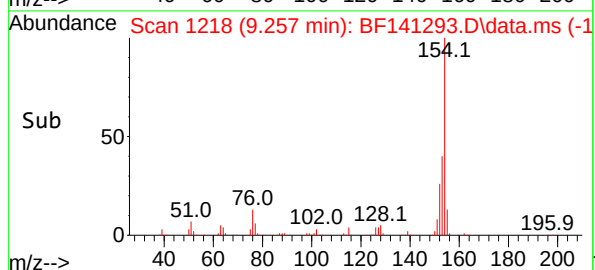
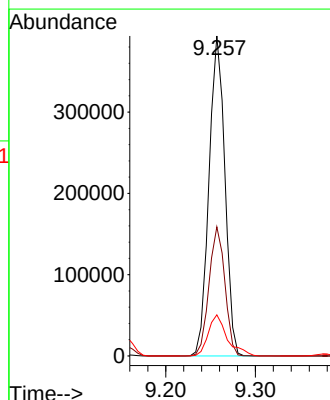
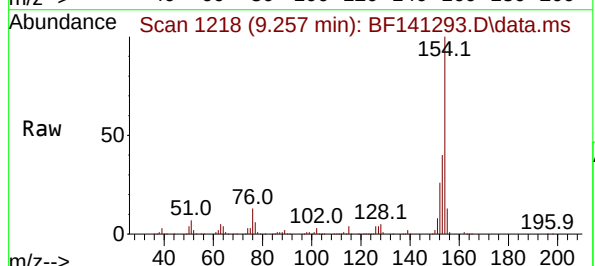
Tgt Ion:154 Resp: 483479

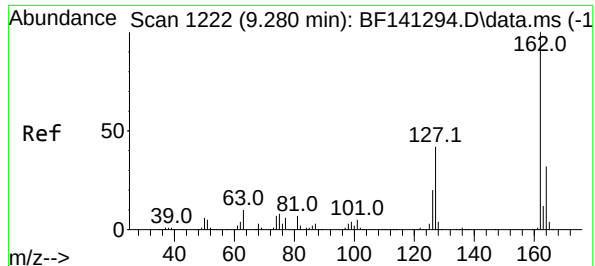
Ion Ratio Lower Upper

154 100

153 40.4 20.0 60.0

76 12.8 0.0 32.8





#47

2-Chloronaphthalene

Concen: 21.282 ng

RT: 9.281 min Scan# 1222

Delta R.T. 0.000 min

Lab File: BF141293.D

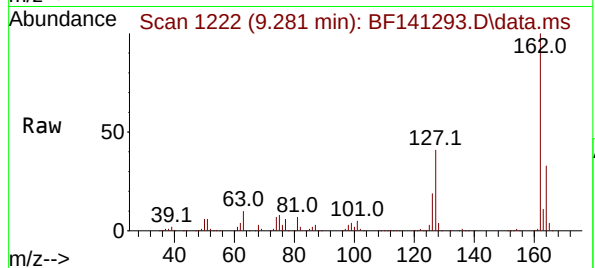
Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

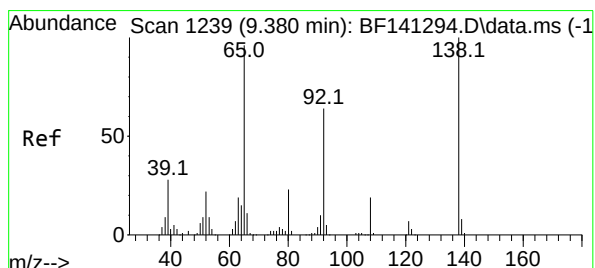
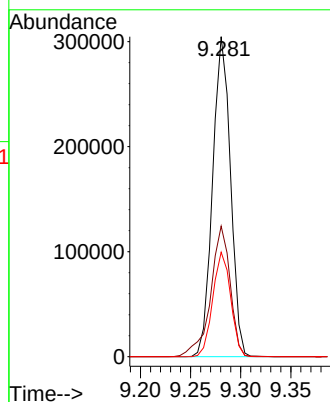
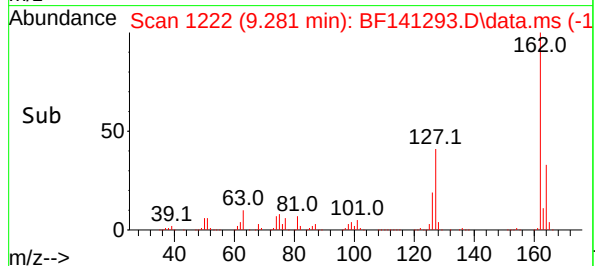


Tgt Ion:	162	Resp:	377940
Ion	Ratio	Lower	Upper
162	100		
127	40.8	33.7	50.5
164	32.7	25.9	38.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#48

2-Nitroaniline

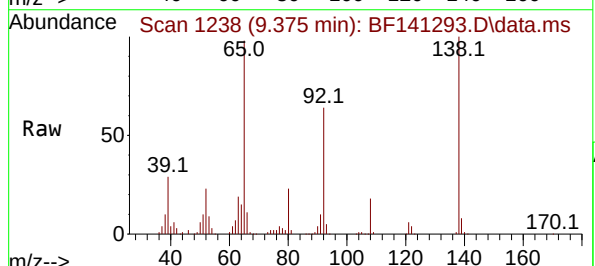
Concen: 21.310 ng

RT: 9.375 min Scan# 1238

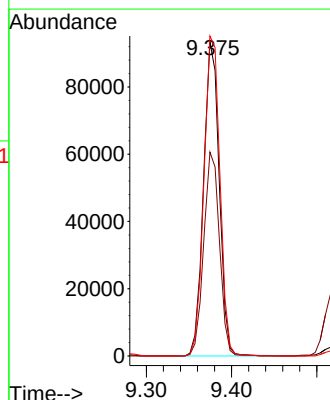
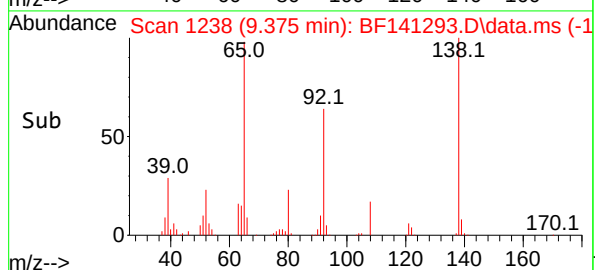
Delta R.T. -0.006 min

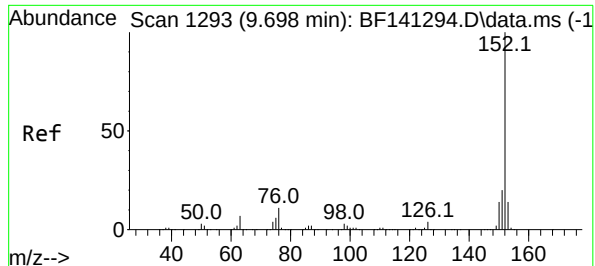
Lab File: BF141293.D

Acq: 29 Jan 2025 15:17



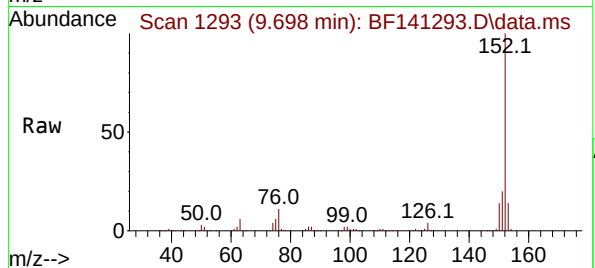
Tgt Ion:	65	Resp:	119359
Ion	Ratio	Lower	Upper
65	100		
92	64.9	53.3	79.9
138	102.0	83.6	125.4





#49
Acenaphthylene
Concen: 21.328 ng
RT: 9.698 min Scan# 1293
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

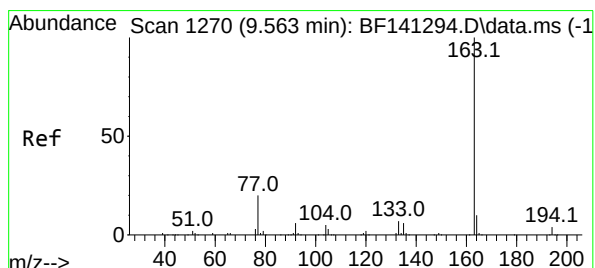
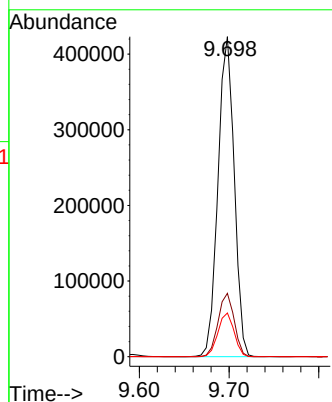
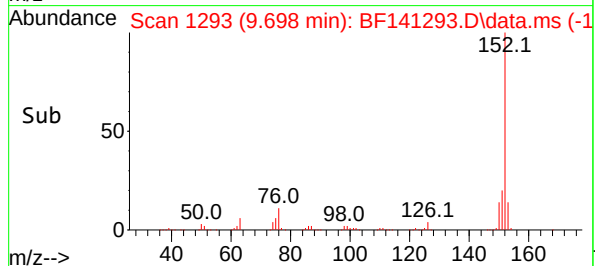
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



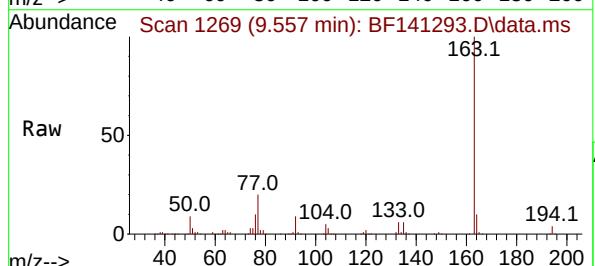
Tgt Ion:152 Resp: 53195
Ion Ratio Lower Upper
152 100
151 19.8 16.2 24.2
153 13.7 11.0 16.6

Manual Integrations
APPROVED

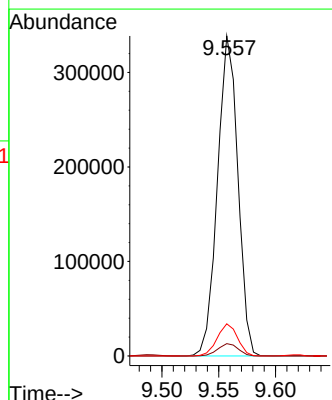
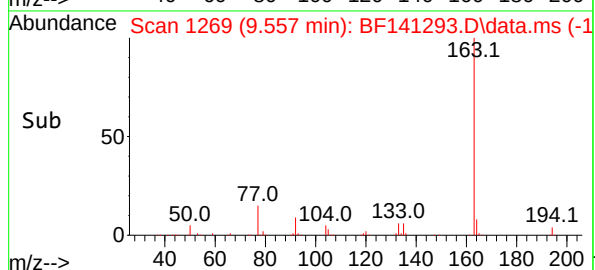
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

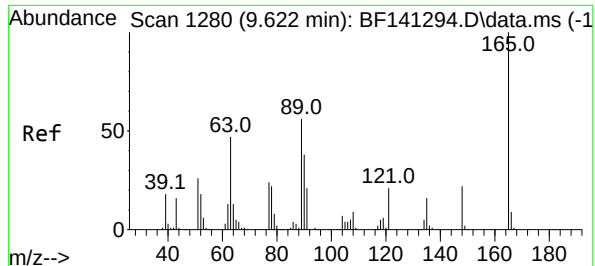


#50
Dimethylphthalate
Concen: 21.542 ng
RT: 9.557 min Scan# 1269
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17



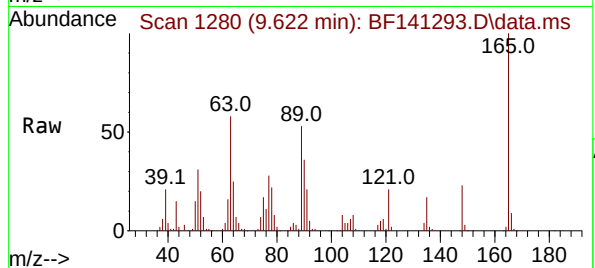
Tgt Ion:163 Resp: 423377
Ion Ratio Lower Upper
163 100
194 3.8 3.0 4.6
164 10.0 8.0 12.0





#51
2,6-Dinitrotoluene
Concen: 21.345 ng
RT: 9.622 min Scan# 1280
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

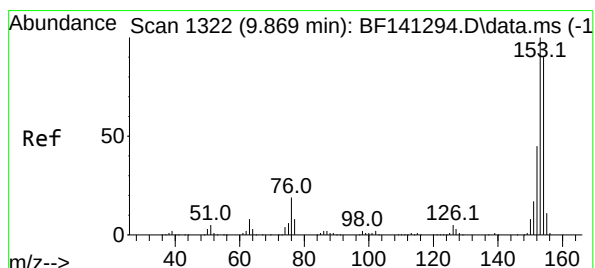
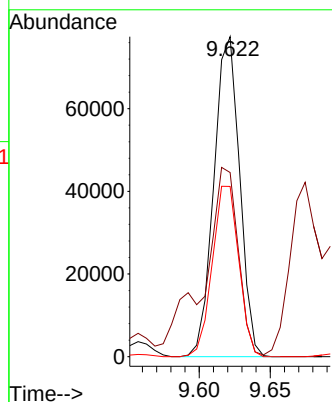
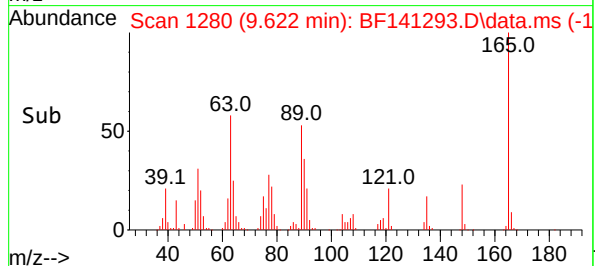
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:165 Resp: 9762
Ion Ratio Lower Upper
165 100
63 57.6 48.1 72.1
89 53.2 44.9 67.3

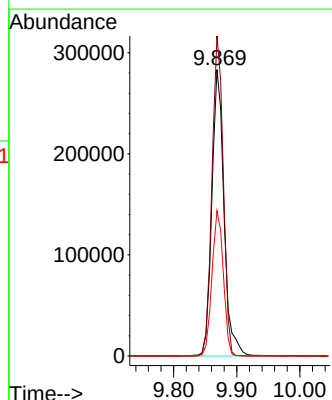
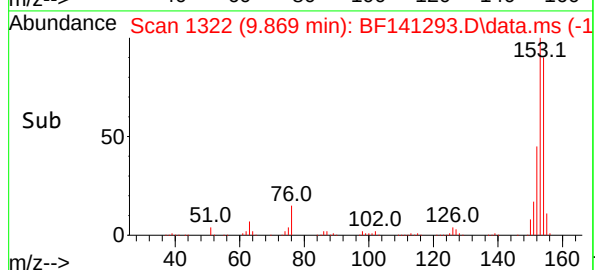
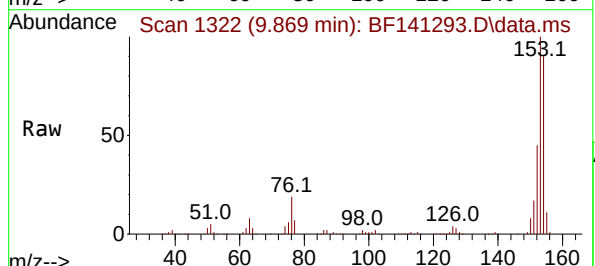
Manual Integrations
APPROVED

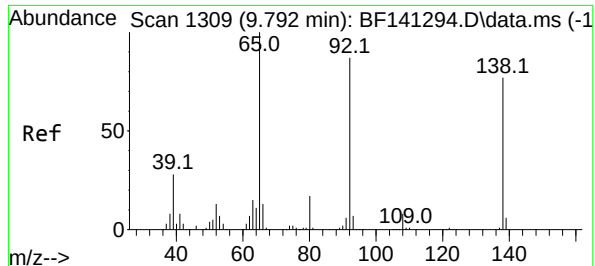
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#52
Acenaphthene
Concen: 21.328 ng
RT: 9.869 min Scan# 1322
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

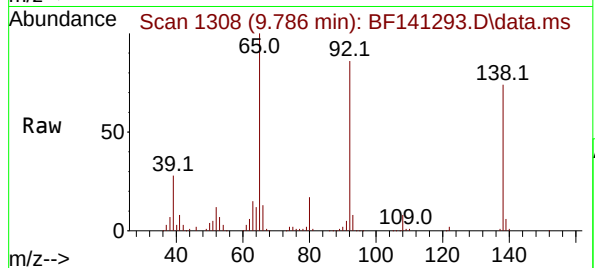
Tgt Ion:154 Resp: 378511
Ion Ratio Lower Upper
154 100
153 111.7 89.0 133.4
152 50.7 40.2 60.4





#53
3-Nitroaniline
Concen: 22.123 ng
RT: 9.786 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

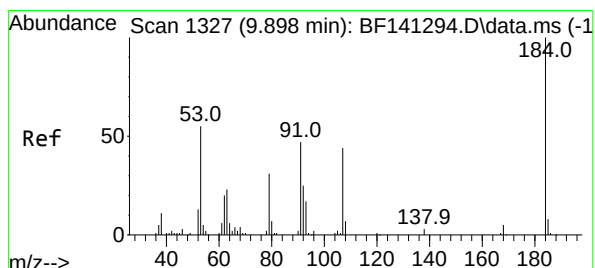
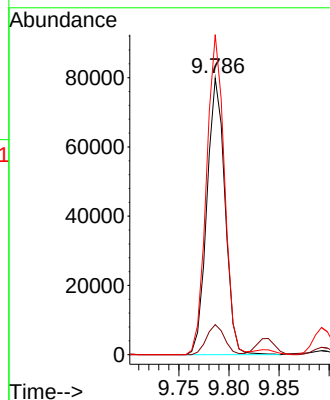
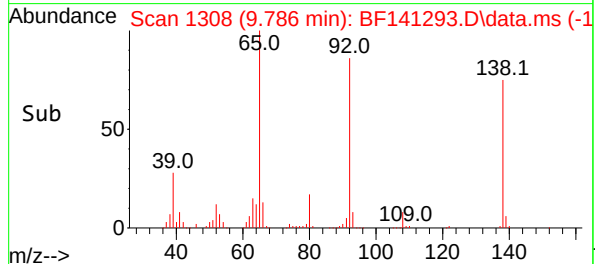
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:138 Resp: 100085
Ion Ratio Lower Upper
138 100
108 10.9 8.6 12.8
92 115.8 91.0 136.6

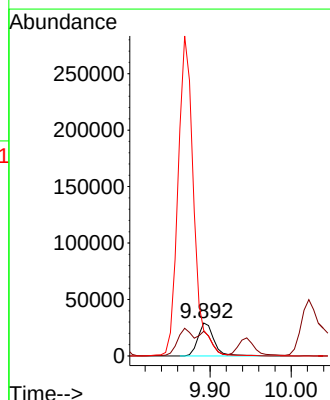
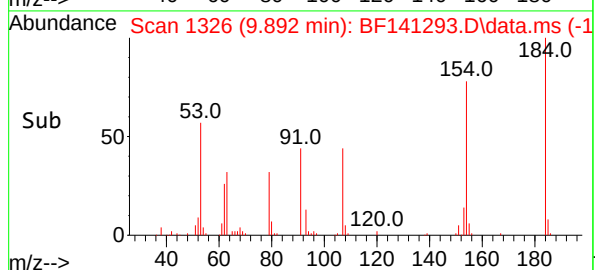
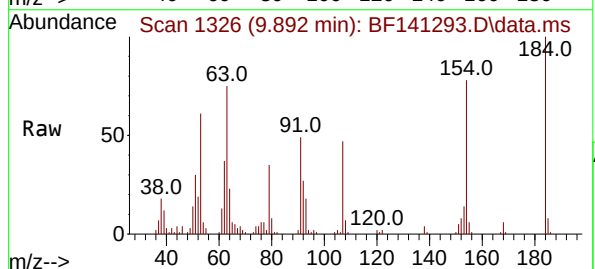
Manual Integrations
APPROVED

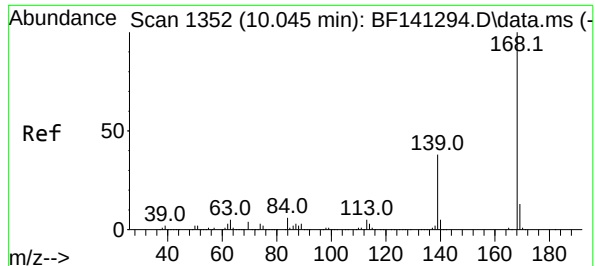
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#54
2,4-Dinitrophenol
Concen: 18.557 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:184 Resp: 40003
Ion Ratio Lower Upper
184 100
63 75.1 54.1 81.1
154 78.0 50.7 76.1#





#55

Dibenzenofuran

Concen: 21.665 ng

RT: 10.039 min Scan# 1351

Delta R.T. -0.006 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:168 Resp: 51422

Ion Ratio Lower Upper

168 100

139 38.7 30.6 46.0

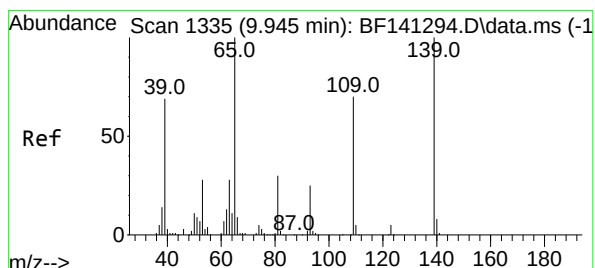
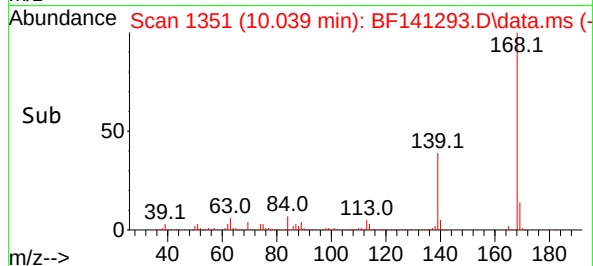
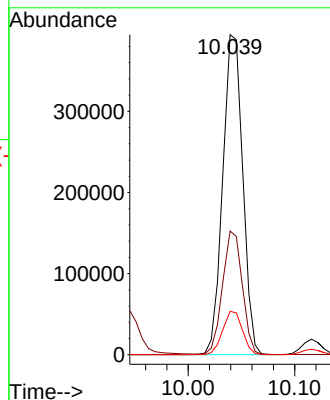
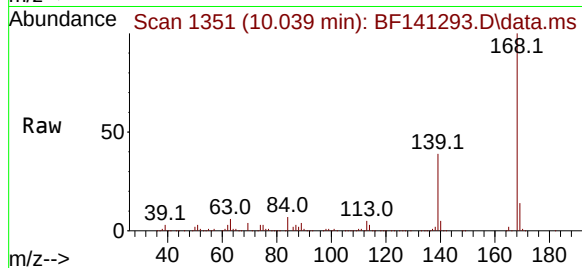
169 13.5 10.8 16.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#56

4-Nitrophenol

Concen: 22.607 ng

RT: 9.945 min Scan# 1335

Delta R.T. 0.000 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

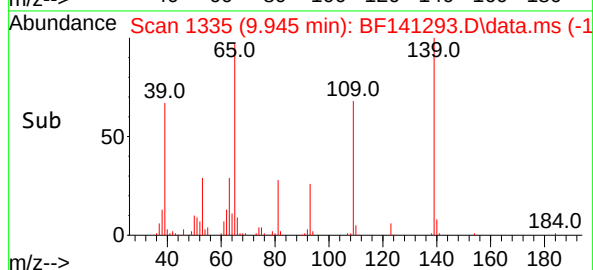
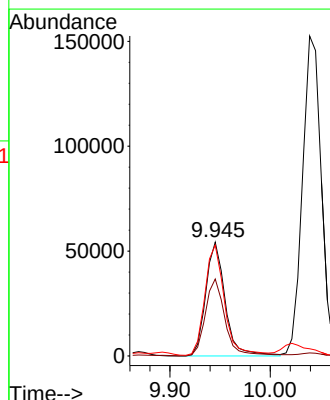
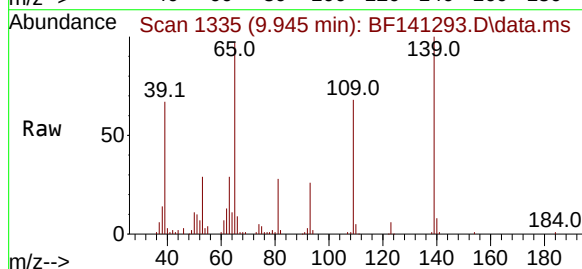
Tgt Ion:139 Resp: 73425

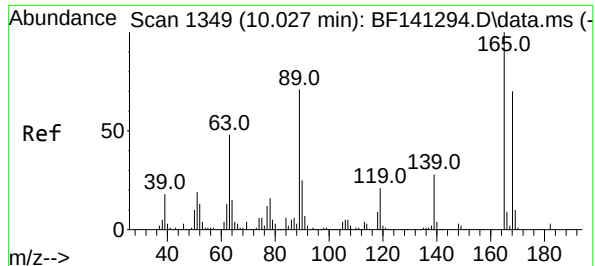
Ion Ratio Lower Upper

139 100

109 67.7 50.2 90.2

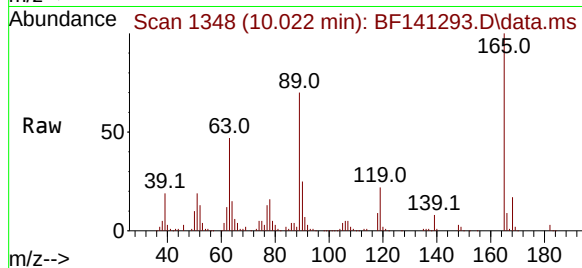
65 97.5 80.6 120.6





#57
2,4-Dinitrotoluene
Concen: 22.027 ng
RT: 10.022 min Scan# 1349
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

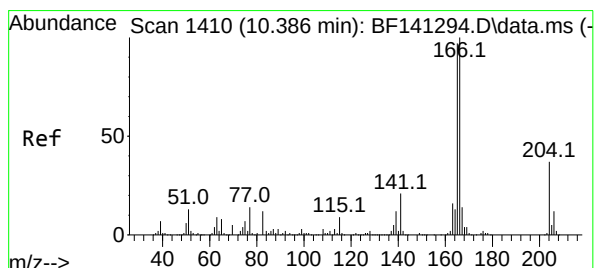
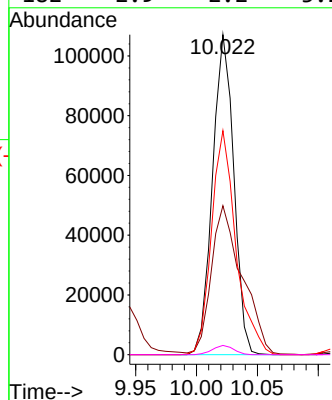
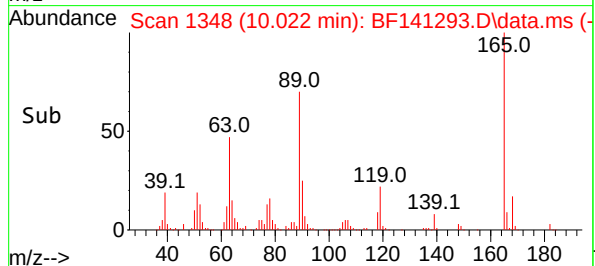
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:165 Resp: 12994
Ion Ratio Lower Upper
165 100
63 46.6 39.2 58.8
89 70.0 56.9 85.3
182 2.9 2.2 3.2

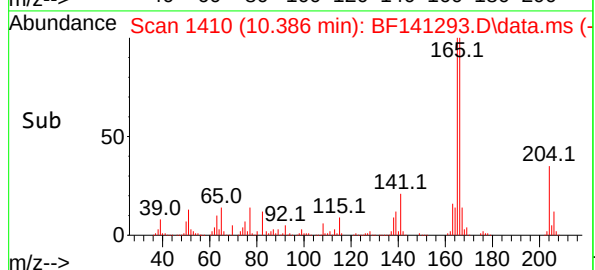
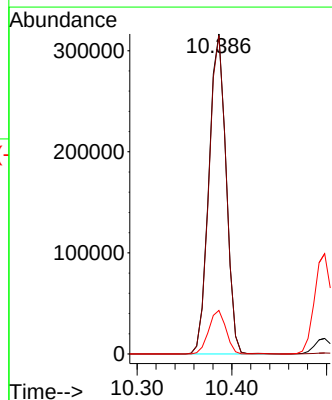
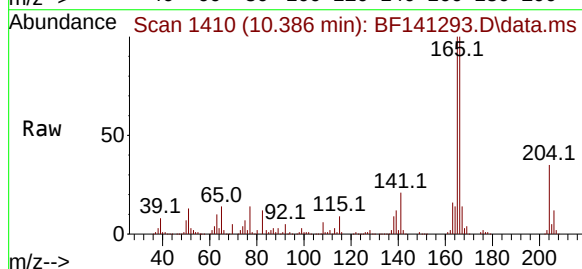
Manual Integrations
APPROVED

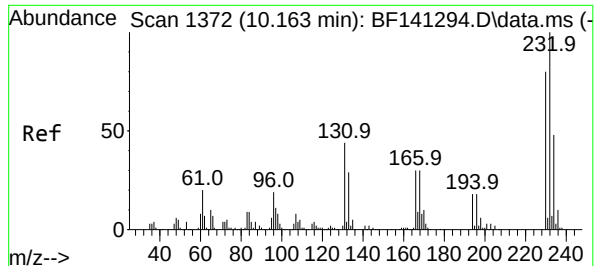
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#58
Fluorene
Concen: 21.488 ng
RT: 10.386 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

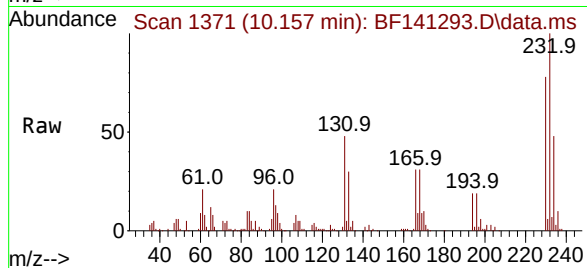
Tgt Ion:166 Resp: 396520
Ion Ratio Lower Upper
166 100
165 99.5 77.5 116.3
167 13.6 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 21.354 ng
RT: 10.157 min Scan# 1371
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

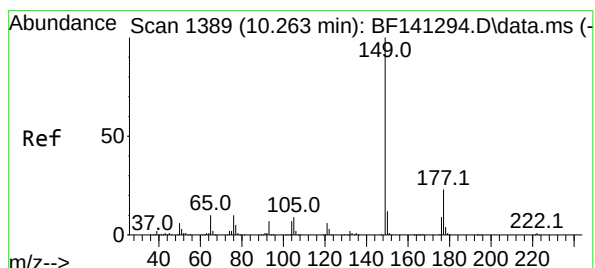
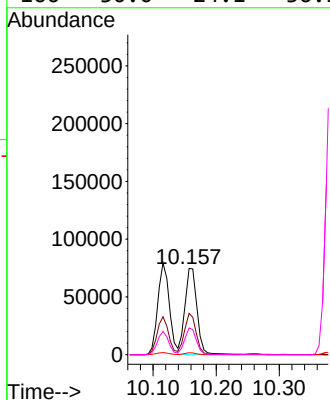
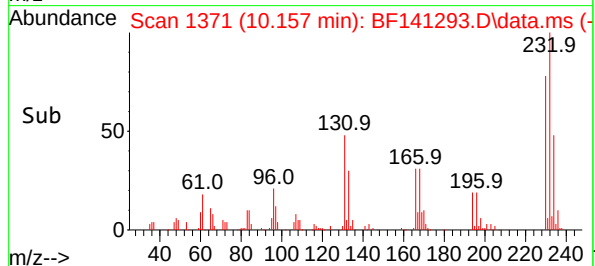
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:232 Resp: 9984
Ion Ratio Lower Upper
232 100
131 46.1 36.4 54.6
130 2.0 1.9 2.9
166 30.0 24.1 36.1

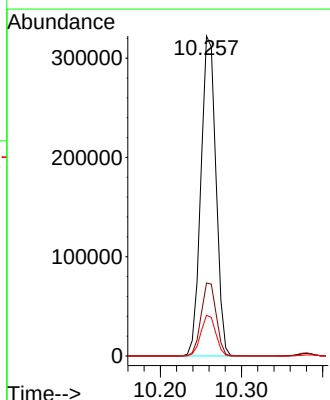
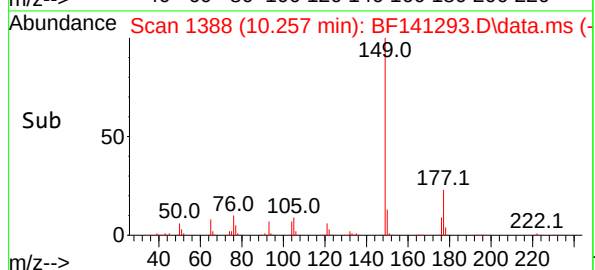
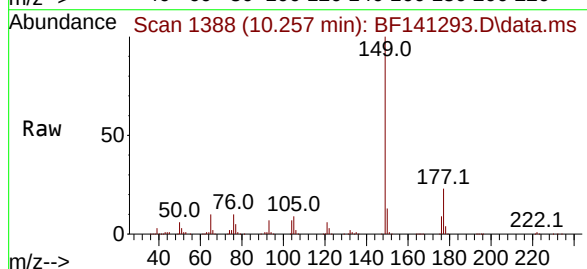
Manual Integrations
APPROVED

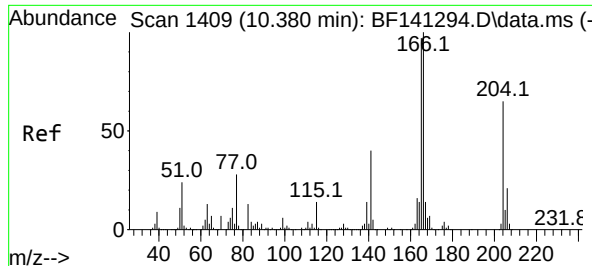
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#60
Diethylphthalate
Concen: 21.745 ng
RT: 10.257 min Scan# 1388
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

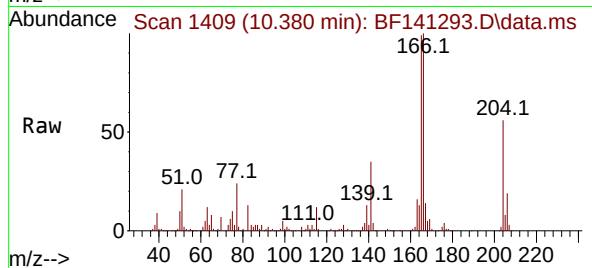
Tgt Ion:149 Resp: 413889
Ion Ratio Lower Upper
149 100
177 22.8 18.5 27.7
150 12.7 10.0 15.0





#61
4-Chlorophenyl-phenylether
Concen: 21.446 ng
RT: 10.380 min Scan# 1409
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

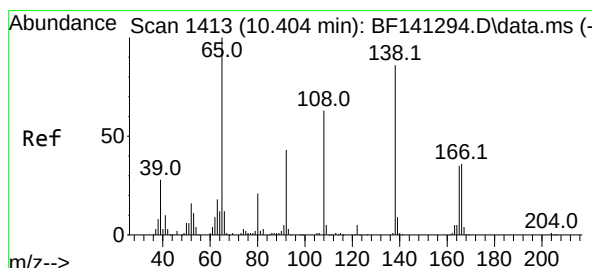
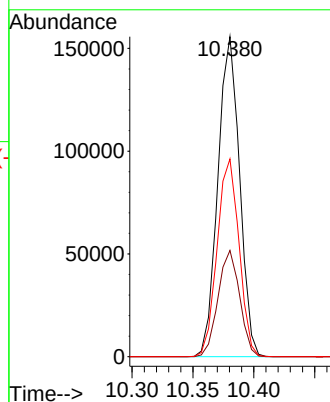
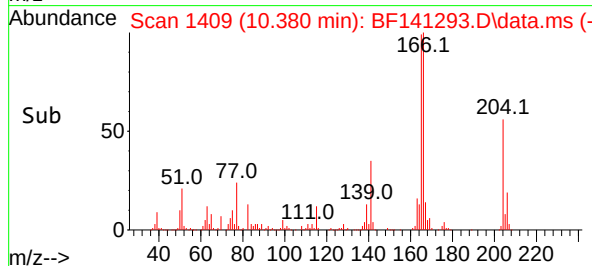
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:204 Resp: 193134
Ion Ratio Lower Upper
204 100
206 33.2 25.9 38.9
141 61.8 49.5 74.3

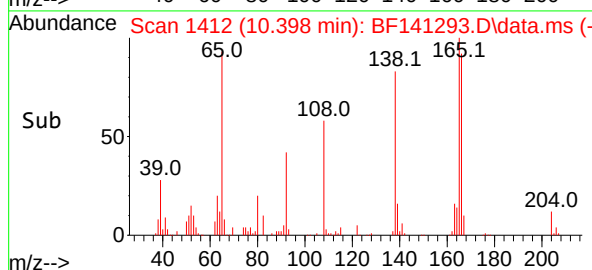
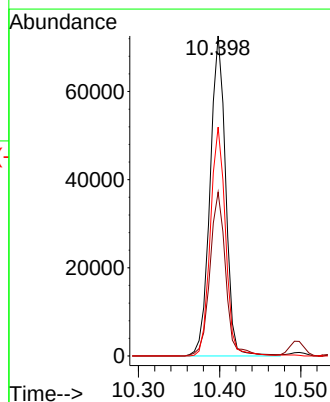
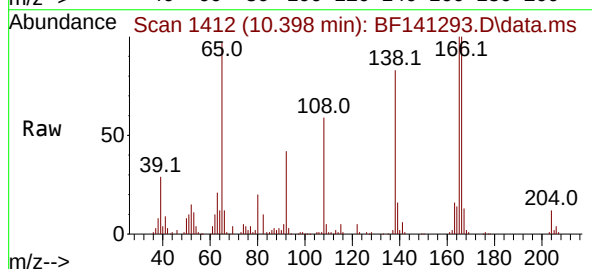
Manual Integrations
APPROVED

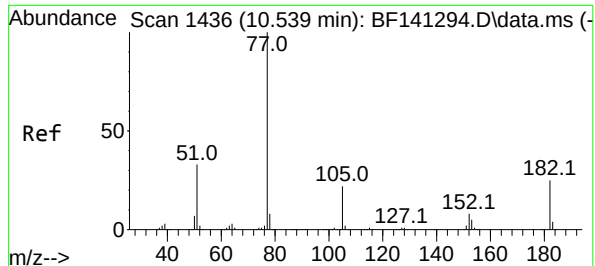
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#62
4-Nitroaniline
Concen: 22.250 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

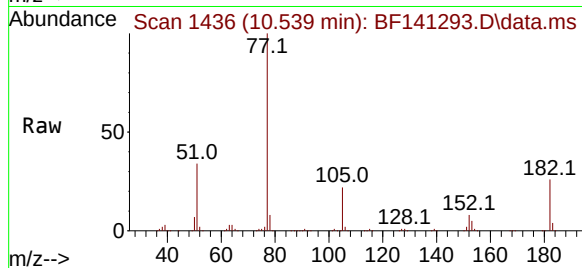
Tgt Ion:138 Resp: 96692
Ion Ratio Lower Upper
138 100
92 51.2 30.1 70.1
108 71.5 53.1 93.1





#63
Azobenzene
Concen: 21.358 ng
RT: 10.539 min Scan# 1436
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

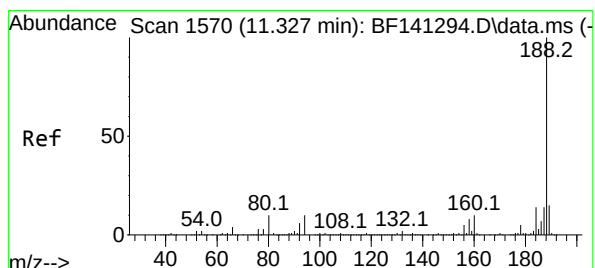
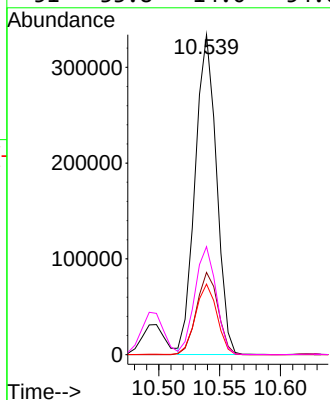
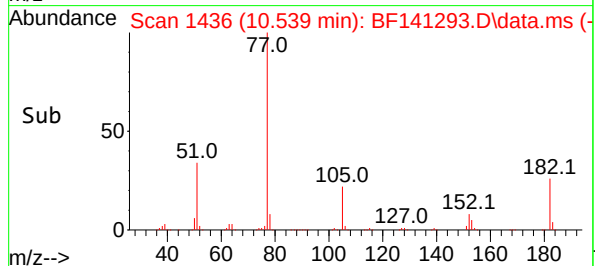
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



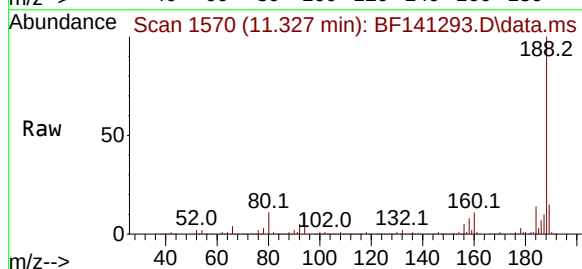
Tgt Ion: 77 Resp: 407492
Ion Ratio Lower Upper
77 100
182 25.7 5.1 45.1
105 22.1 1.8 41.8
51 33.8 14.0 54.0

Manual Integrations
APPROVED

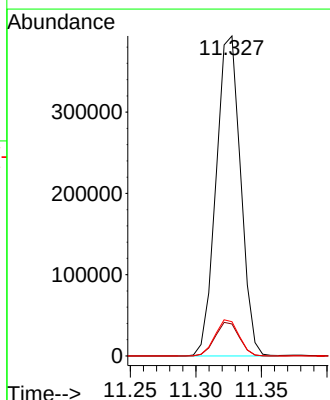
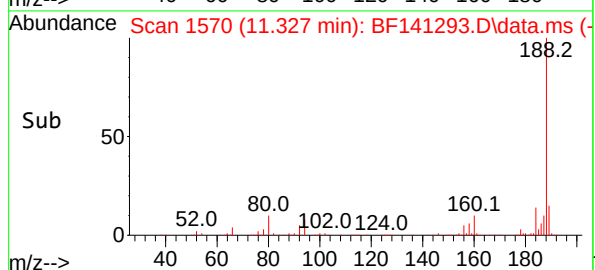
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

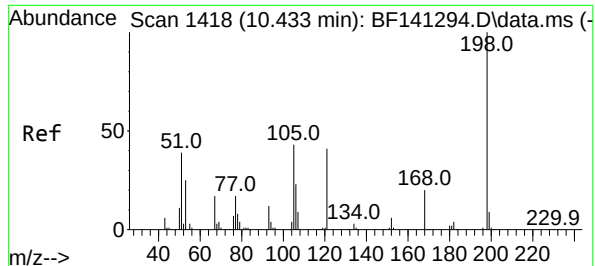


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17



Tgt Ion:188 Resp: 511320
Ion Ratio Lower Upper
188 100
94 10.0 7.8 11.6
80 10.7 8.2 12.4





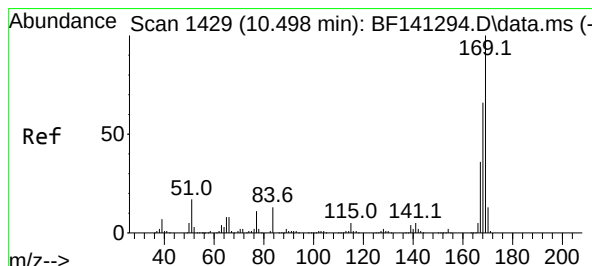
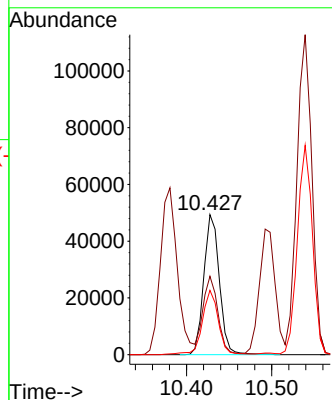
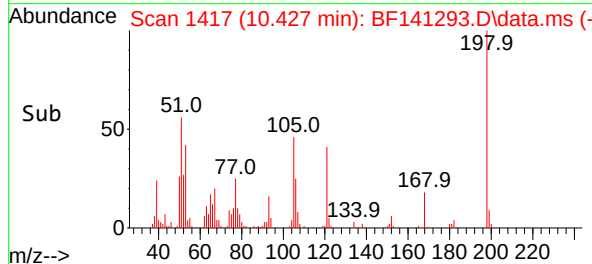
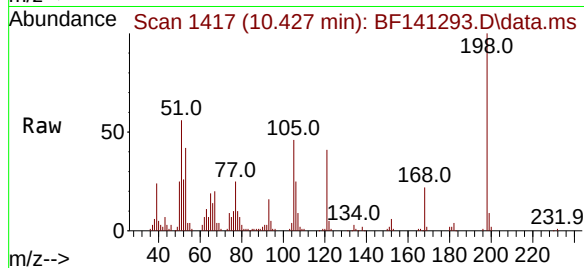
#65
4,6-Dinitro-2-methylphenol
Concen: 20.492 ng
RT: 10.427 min Scan# 1417
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:198 Resp: 62572
Ion Ratio Lower Upper
198 100
51 56.0 33.4 73.4
105 45.9 24.4 64.4

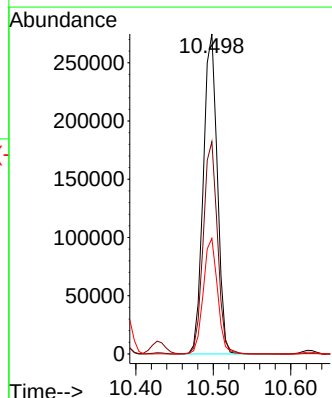
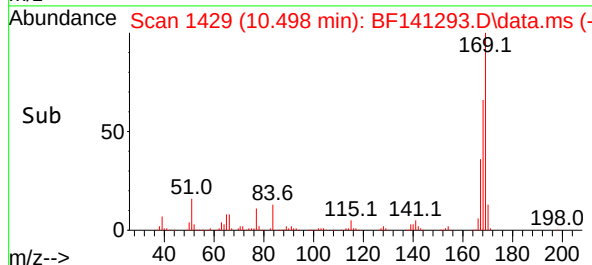
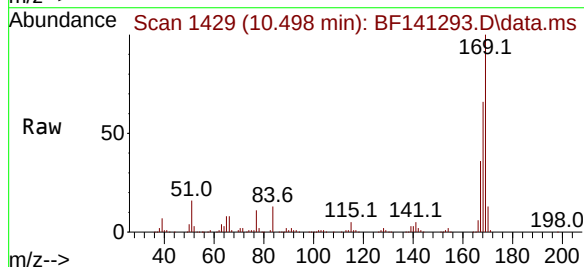
Manual Integrations
APPROVED

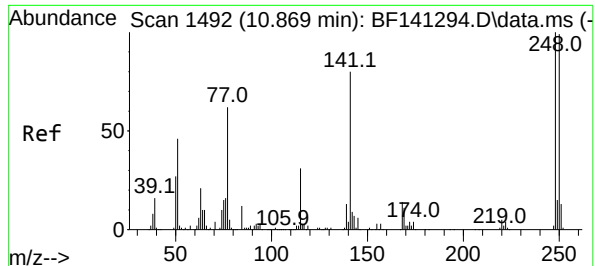
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#66
n-Nitrosodiphenylamine
Concen: 20.773 ng
RT: 10.498 min Scan# 1429
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

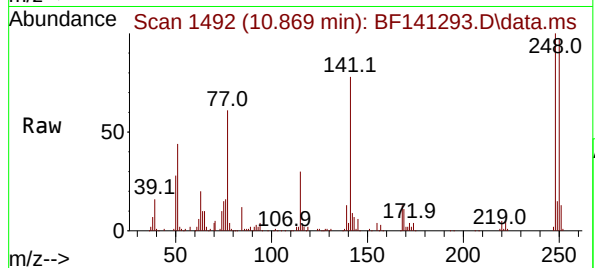
Tgt Ion:169 Resp: 344387
Ion Ratio Lower Upper
169 100
168 66.3 53.0 79.4
167 36.1 28.8 43.2





#67
4-Bromophenyl-phenylether
Concen: 20.967 ng
RT: 10.869 min Scan# 1492
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

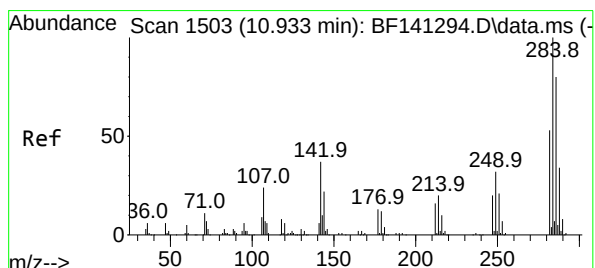
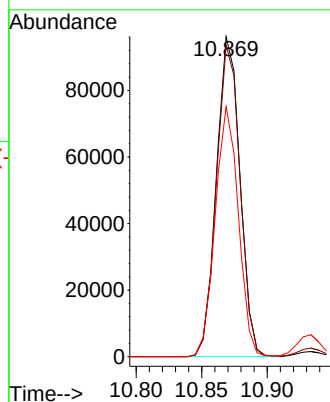
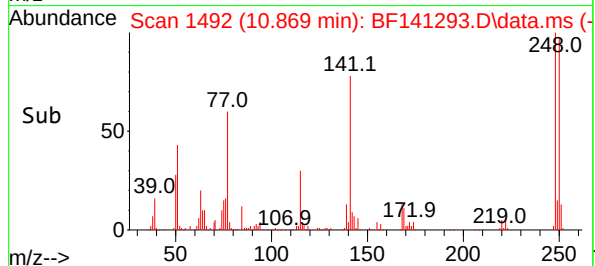
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:248 Resp: 119844
Ion Ratio Lower Upper
248 100
250 97.3 79.0 118.4
141 78.1 63.7 95.5

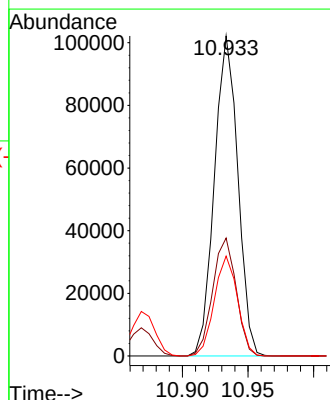
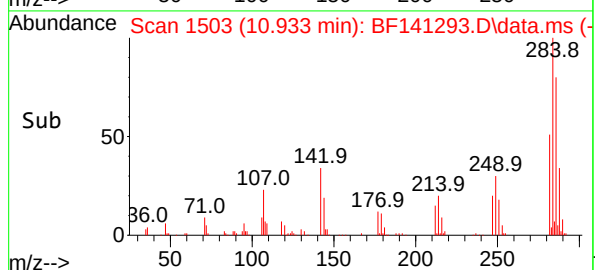
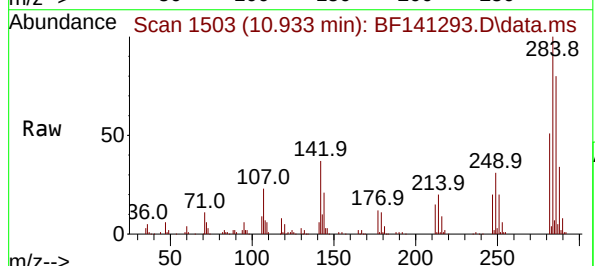
Manual Integrations
APPROVED

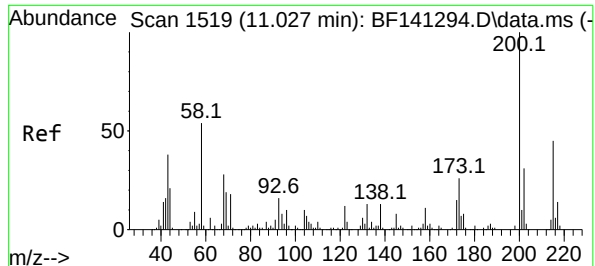
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#68
Hexachlorobenzene
Concen: 20.917 ng
RT: 10.933 min Scan# 1503
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

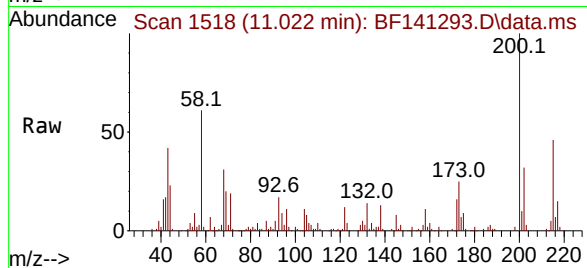
Tgt Ion:284 Resp: 126823
Ion Ratio Lower Upper
284 100
142 36.8 29.5 44.3
249 31.2 25.4 38.2





#69
Atrazine
Concen: 19.627 ng
RT: 11.022 min Scan# 1518
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

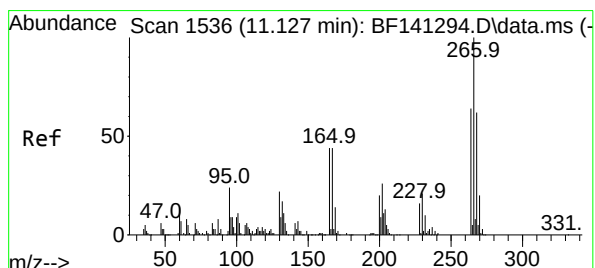
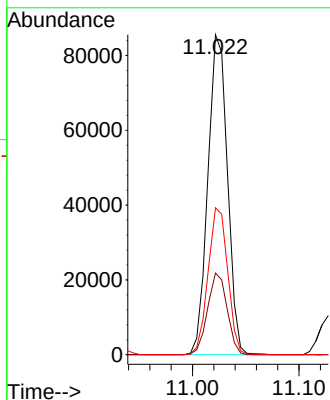
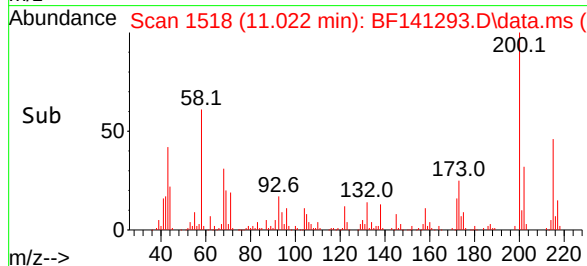
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:200 Resp: 10913
Ion Ratio Lower Upper
200 100
173 25.5 5.9 45.9
215 45.9 25.2 65.2

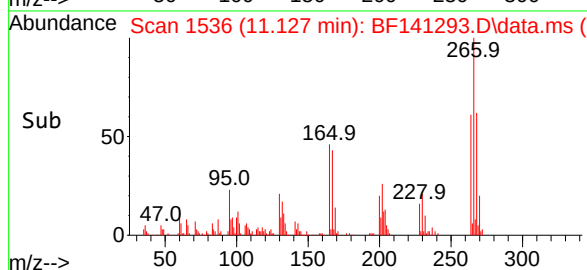
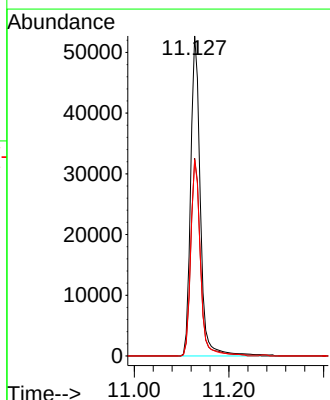
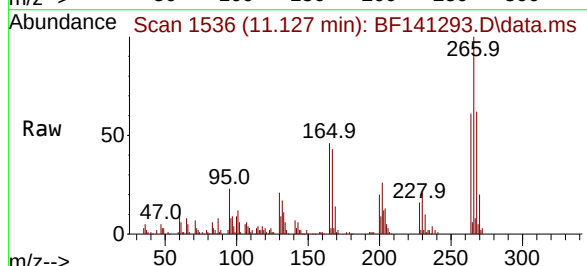
Manual Integrations
APPROVED

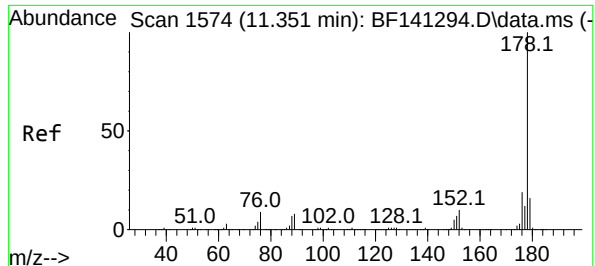
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#70
Pentachlorophenol
Concen: 20.958 ng
RT: 11.127 min Scan# 1536
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

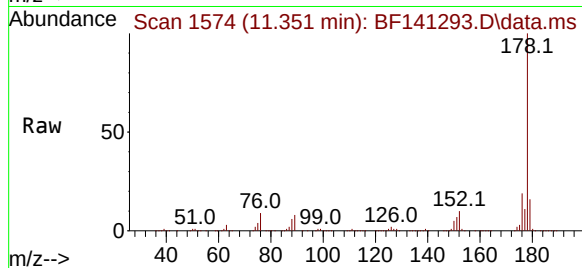
Tgt Ion:266 Resp: 74508
Ion Ratio Lower Upper
266 100
268 61.8 49.9 74.9
264 61.2 51.0 76.4





#71
Phenanthrene
Concen: 21.262 ng
RT: 11.351 min Scan# 1574
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

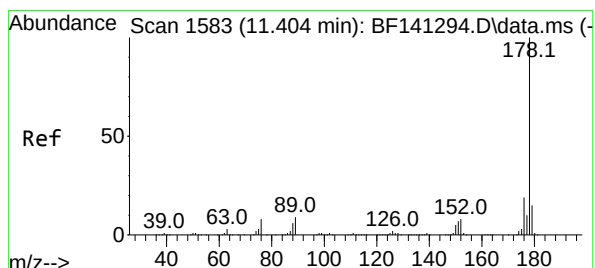
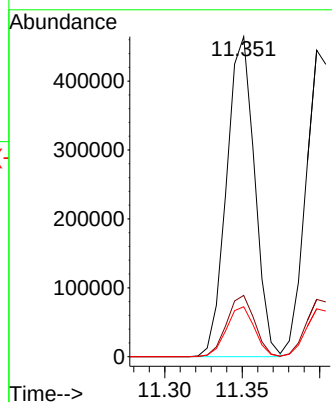
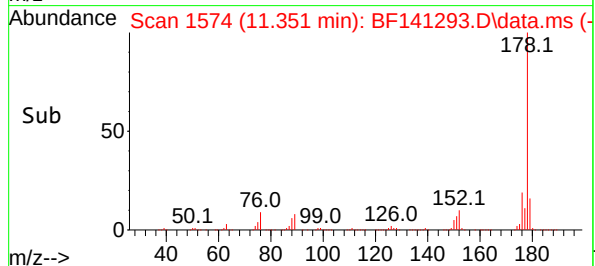
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:178 Resp: 58402
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.6 12.5 18.7

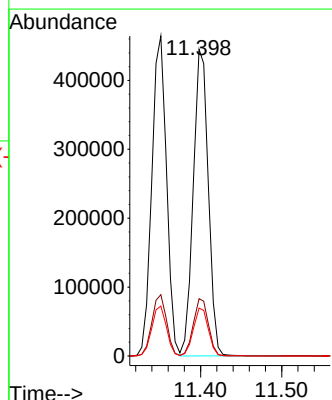
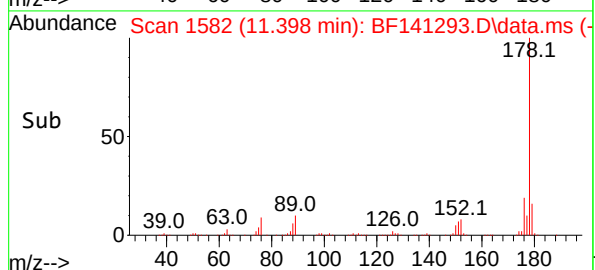
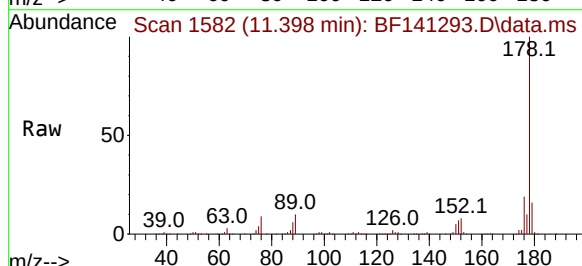
Manual Integrations
APPROVED

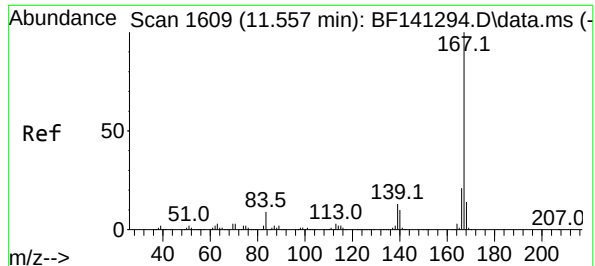
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#72
Anthracene
Concen: 21.377 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

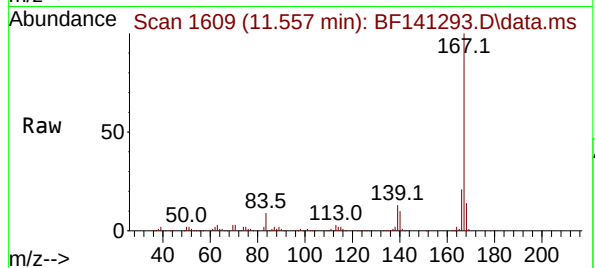
Tgt Ion:178 Resp: 572743
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.6
179 15.6 12.3 18.5





#73
Carbazole
Concen: 22.000 ng
RT: 11.557 min Scan# 1609
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

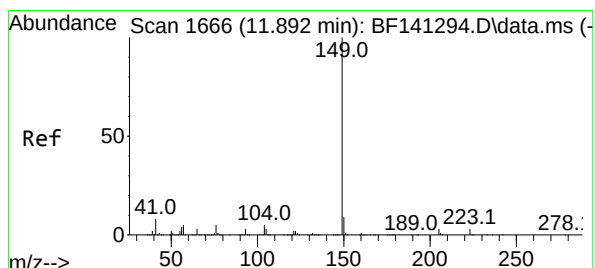
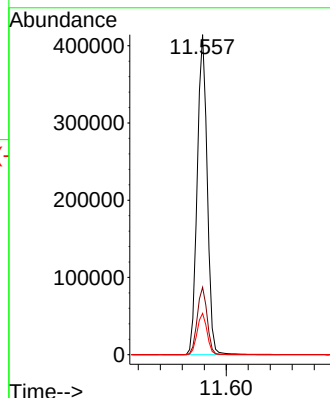
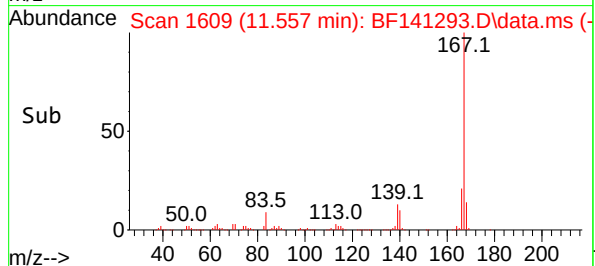
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



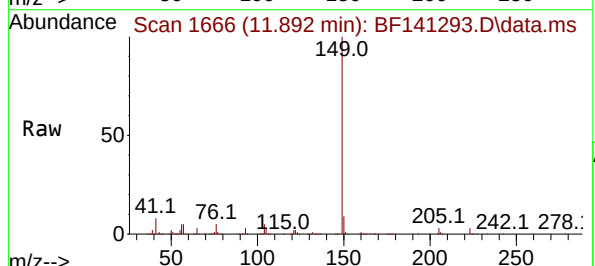
Tgt Ion:167 Resp: 522100
Ion Ratio Lower Upper
167 100
166 21.0 17.0 25.6
139 12.9 10.6 16.0

Manual Integrations
APPROVED

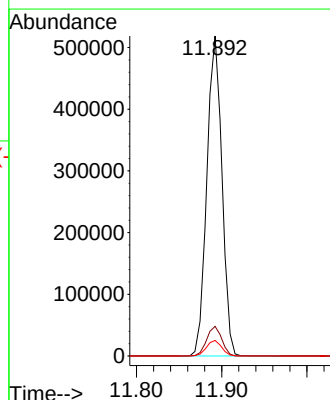
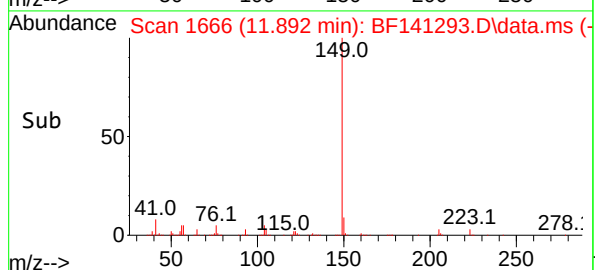
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

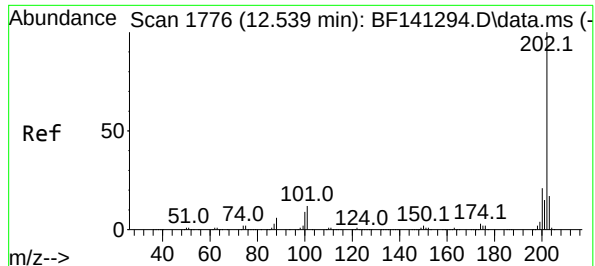


#74
Di-n-butylphthalate
Concen: 22.251 ng
RT: 11.892 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17



Tgt Ion:149 Resp: 636521
Ion Ratio Lower Upper
149 100
150 9.3 7.4 11.2
104 4.8 3.9 5.9





#75

Fluoranthene

Concen: 22.808 ng

RT: 12.539 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF141293.D

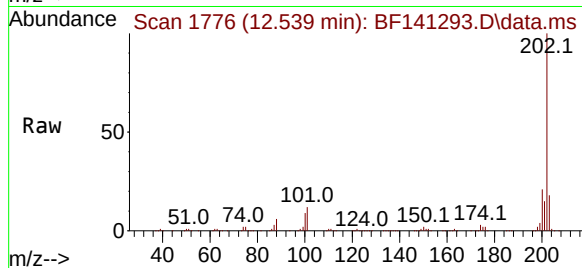
Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

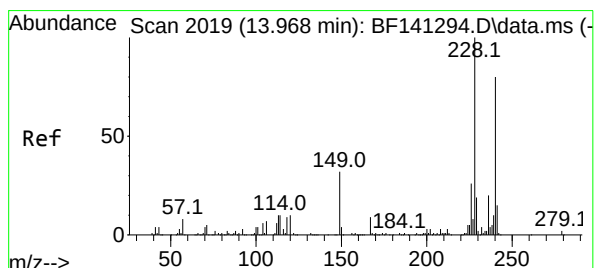
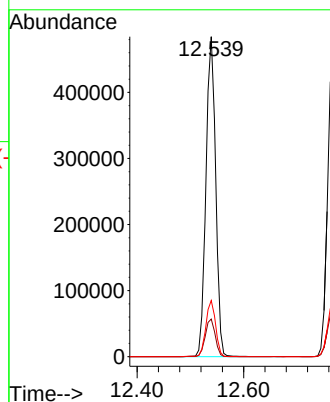


Tgt Ion:	202	Resp:	61149
Ion Ratio	Lower	Upper	
202	100		
101	11.8	0.0	31.7
203	17.5	0.0	37.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#76

Chrysene-d12

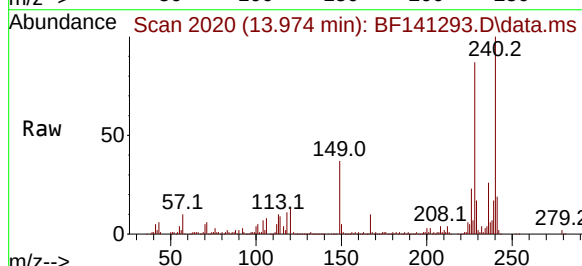
Concen: 20.000 ng

RT: 13.974 min Scan# 2020

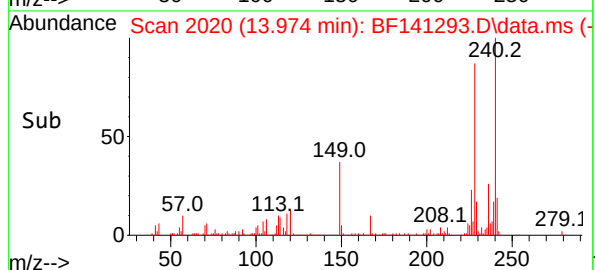
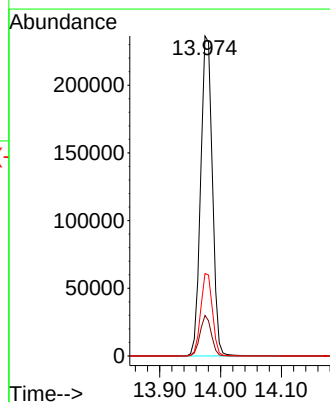
Delta R.T. 0.006 min

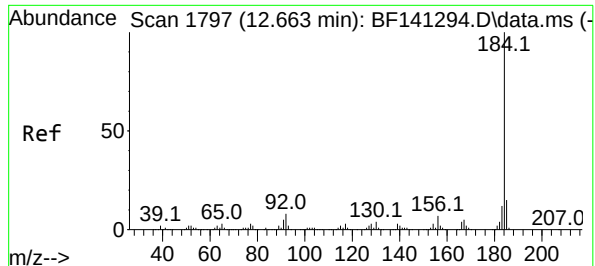
Lab File: BF141293.D

Acq: 29 Jan 2025 15:17



Tgt Ion:	240	Resp:	314234
Ion Ratio	Lower	Upper	
240	100		
120	12.7	10.0	15.0
236	25.8	19.7	29.5





#77

Benzidine

Concen: 6.904 ng

RT: 12.663 min Scan# 1797

Delta R.T. 0.000 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:184 Resp: 6596

Ion Ratio Lower Upper

184 100

185 14.7 11.9 17.9

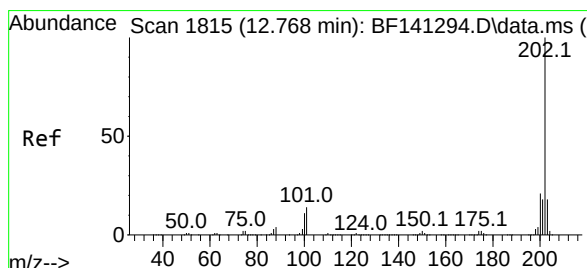
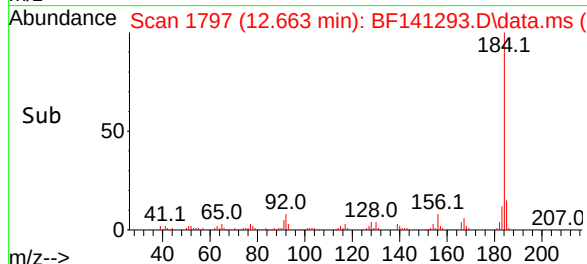
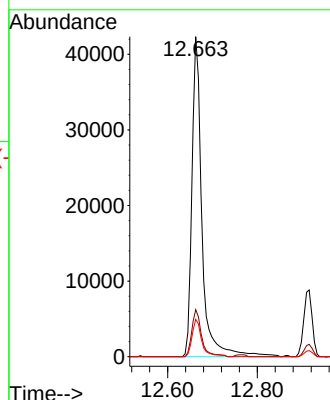
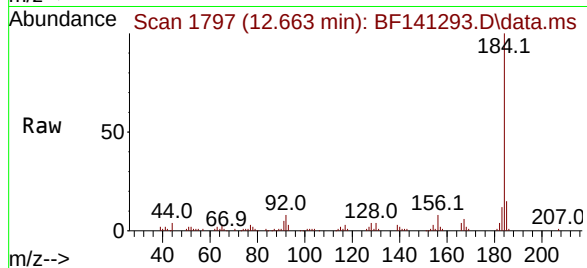
183 11.7 9.5 14.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#78

Pyrene

Concen: 20.739 ng

RT: 12.769 min Scan# 1815

Delta R.T. 0.000 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

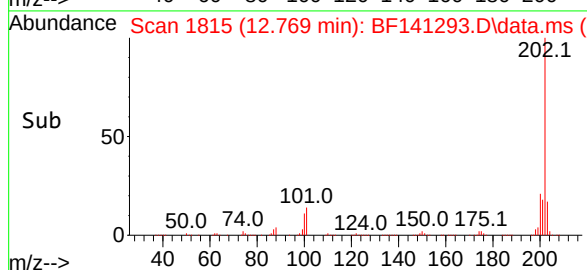
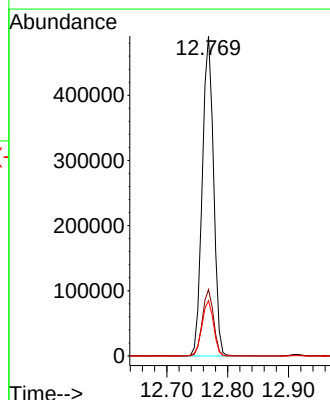
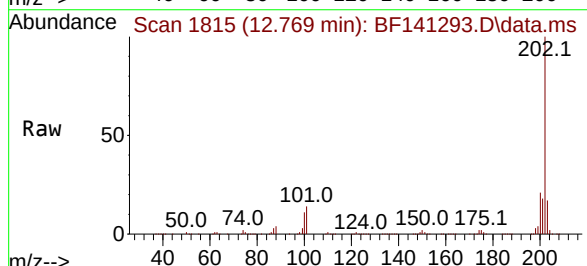
Tgt Ion:202 Resp: 629228

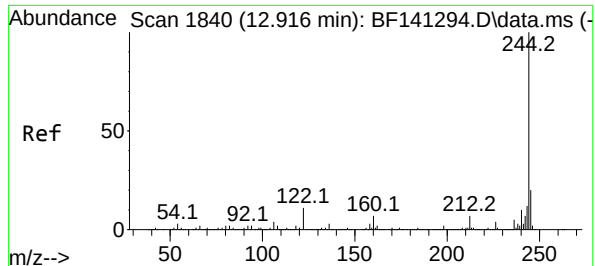
Ion Ratio Lower Upper

202 100

200 20.7 17.0 25.4

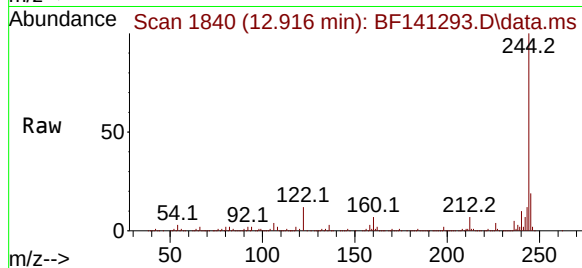
203 17.3 14.3 21.5





#79
Terphenyl-d14
Concen: 42.159 ng
RT: 12.916 min Scan# 1840
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

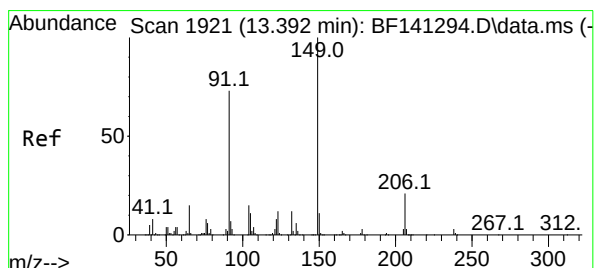
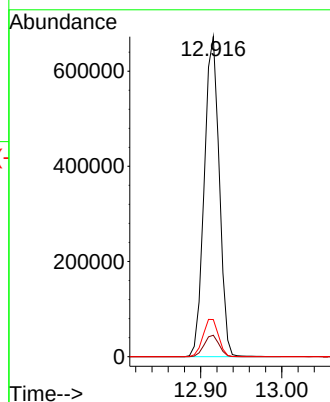
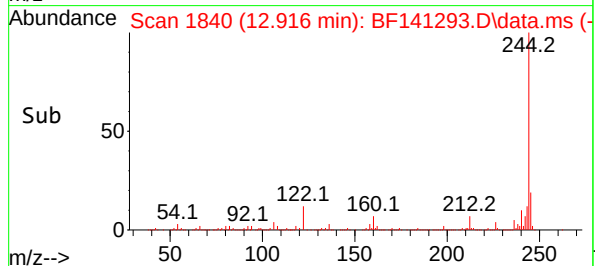
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:244 Resp: 860950
Ion Ratio Lower Upper
244 100
212 6.7 5.4 8.0
122 11.6 8.8 13.2

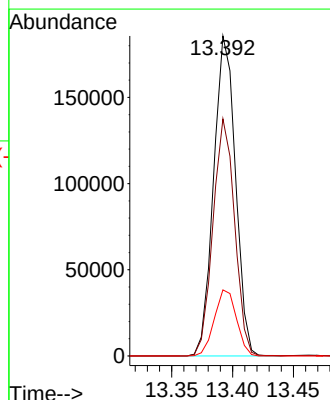
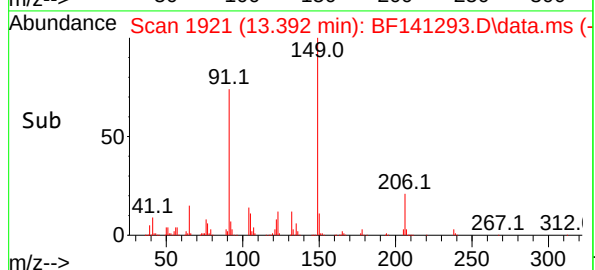
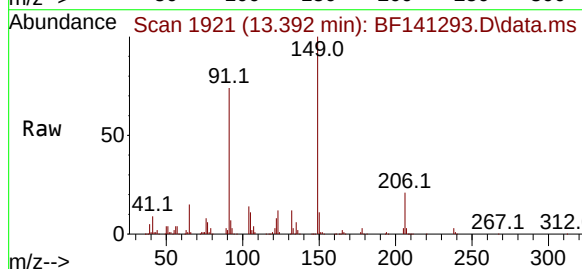
Manual Integrations
APPROVED

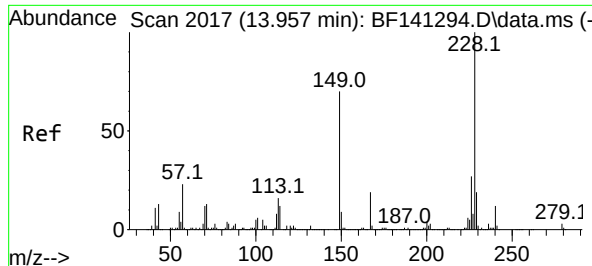
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#80
Butylbenzylphthalate
Concen: 22.149 ng
RT: 13.392 min Scan# 1921
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

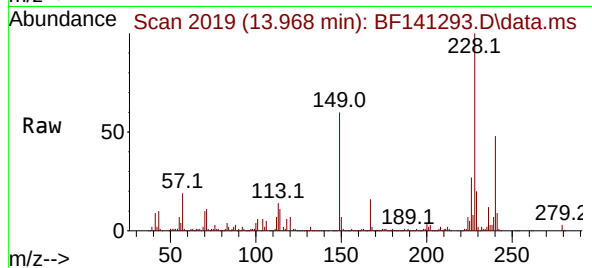
Tgt Ion:149 Resp: 232095
Ion Ratio Lower Upper
149 100
91 74.1 58.6 87.8
206 20.7 16.7 25.1





#81
Benzo(a)anthracene
Concen: 21.197 ng
RT: 13.968 min Scan# 2019
Delta R.T. 0.012 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

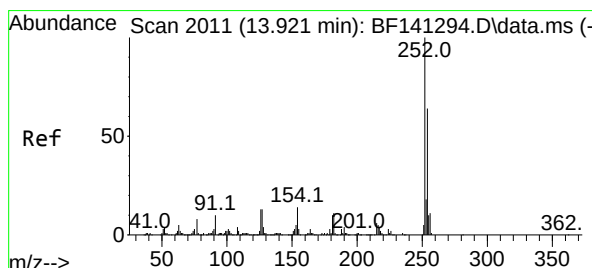
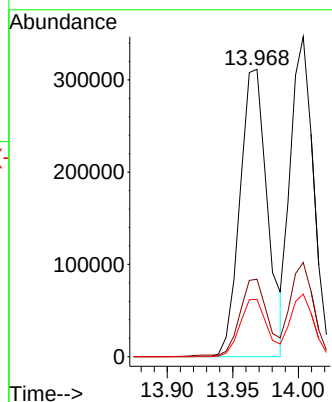
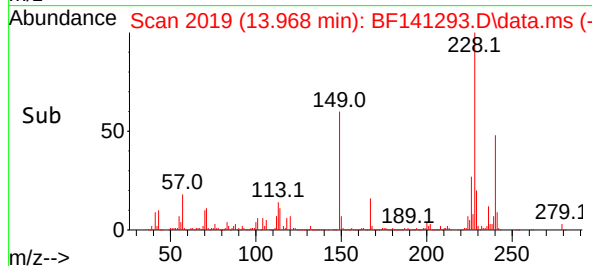
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:228 Resp: 45653
Ion Ratio Lower Upper
228 100
226 27.0 21.4 32.2
229 19.9 15.5 23.3

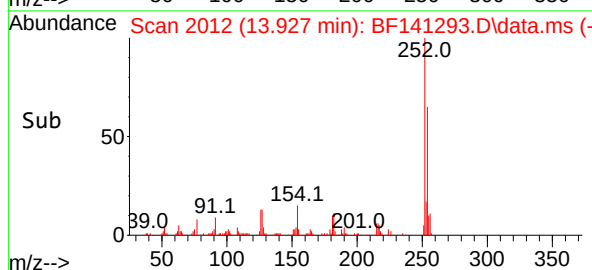
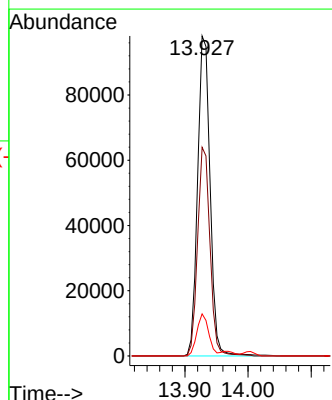
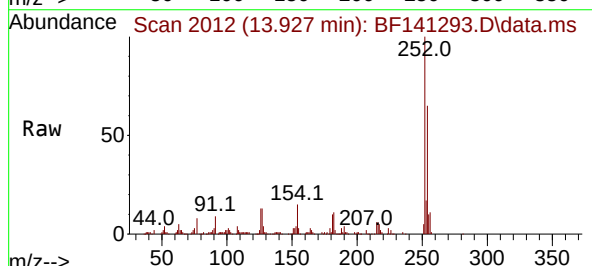
Manual Integrations
APPROVED

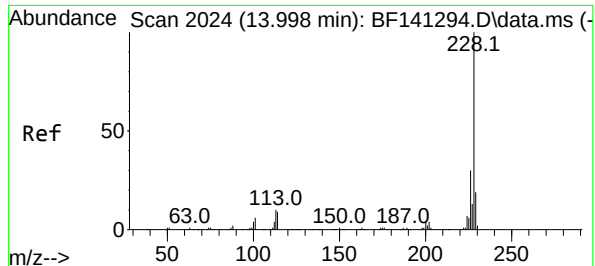
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#82
3,3'-Dichlorobenzidine
Concen: 19.914 ng
RT: 13.927 min Scan# 2012
Delta R.T. 0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

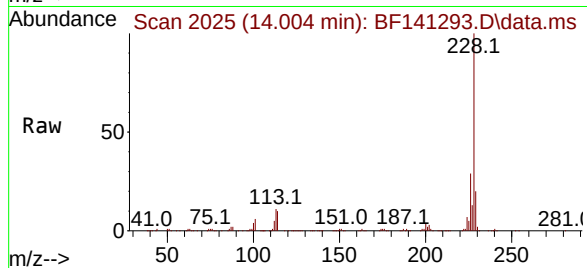
Tgt Ion:252 Resp: 134298
Ion Ratio Lower Upper
252 100
254 65.2 51.3 76.9
126 13.2 10.0 15.0





#83
Chrysene
Concen: 21.122 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

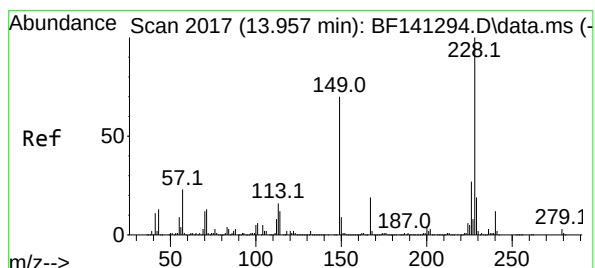
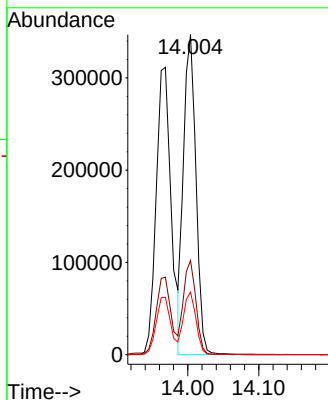
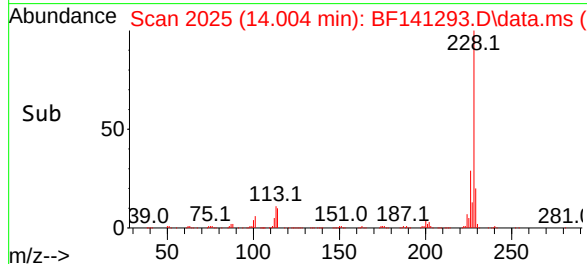
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:228 Resp: 421849
Ion Ratio Lower Upper
228 100
226 29.4 24.1 36.1
229 19.5 15.6 23.4

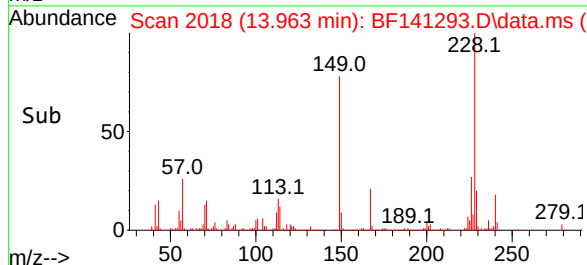
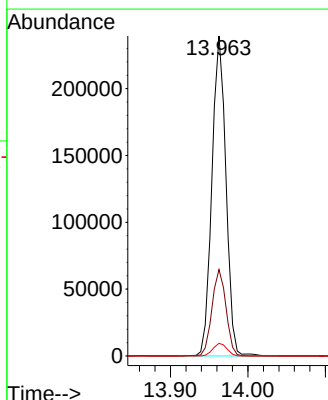
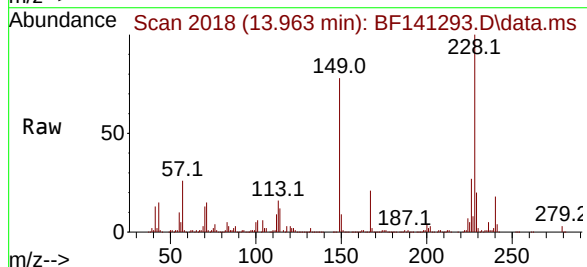
Manual Integrations
APPROVED

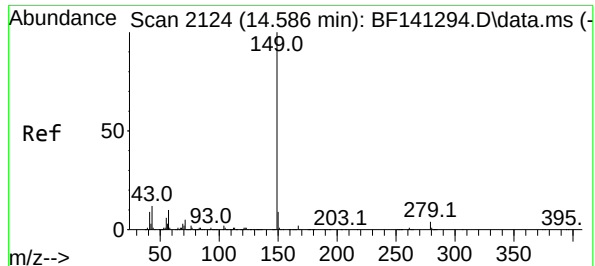
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#84
Bis(2-ethylhexyl)phthalate
Concen: 22.857 ng
RT: 13.963 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

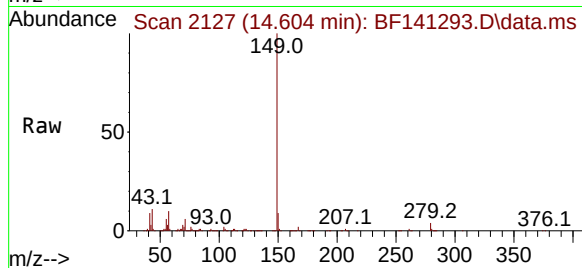
Tgt Ion:149 Resp: 300546
Ion Ratio Lower Upper
149 100
167 27.0 21.8 32.8
279 3.9 3.3 4.9





#85
Di-n-octyl phthalate
Concen: 21.964 ng
RT: 14.604 min Scan# 2124
Delta R.T. 0.018 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

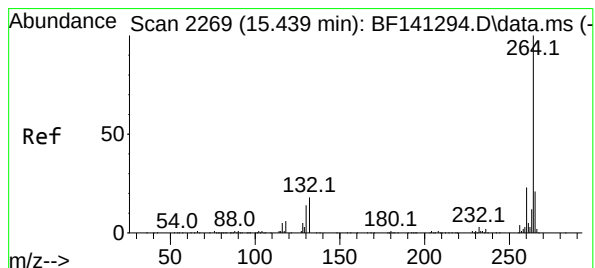
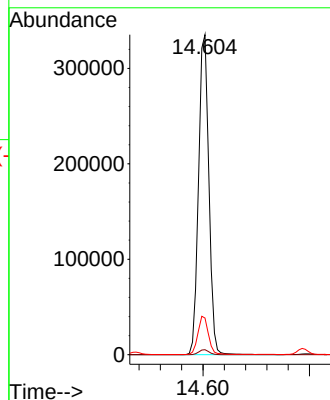
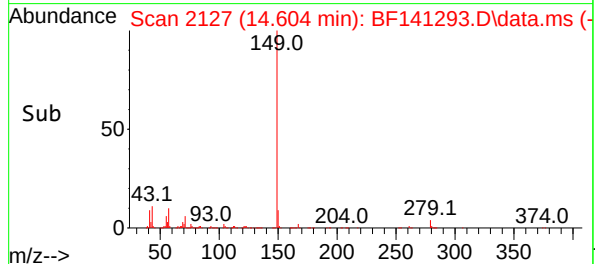
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:149 Resp: 451748
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 12.4 9.8 14.8

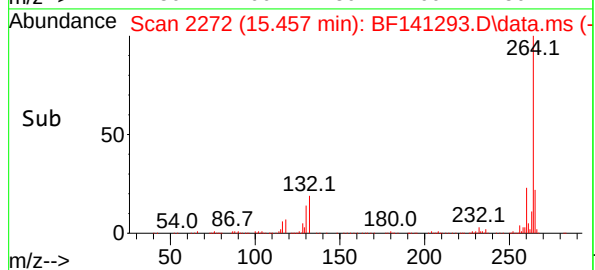
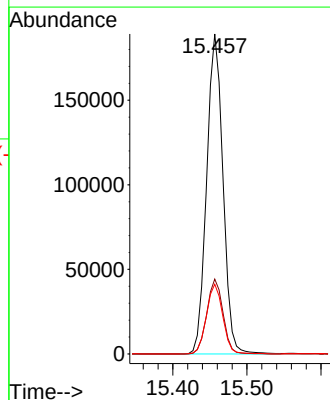
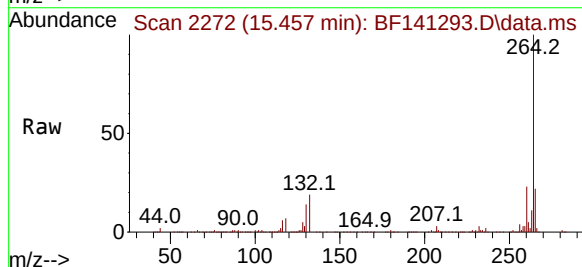
Manual Integrations
APPROVED

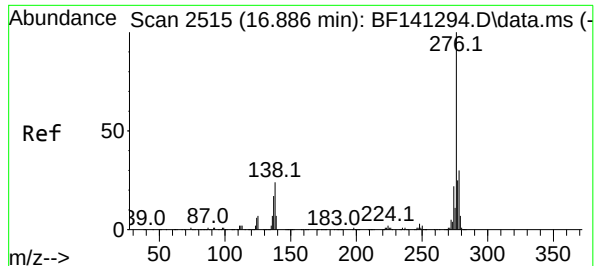
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.457 min Scan# 2272
Delta R.T. 0.018 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:264 Resp: 289582
Ion Ratio Lower Upper
264 100
260 23.4 18.6 27.8
265 21.8 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 20.466 ng

RT: 16.909 min Scan# 21

Delta R.T. 0.024 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:276 Resp: 387089

Ion Ratio Lower Upper

276 100

138 27.6 21.7 32.5

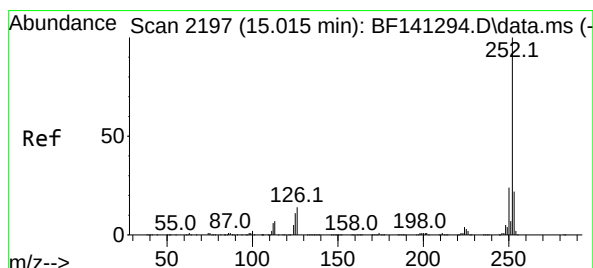
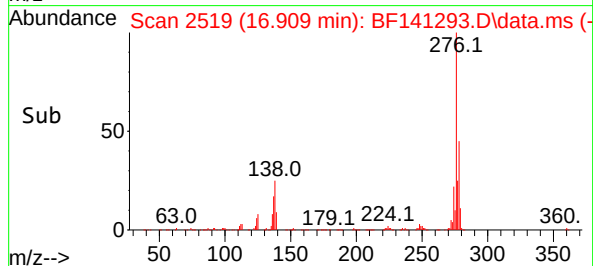
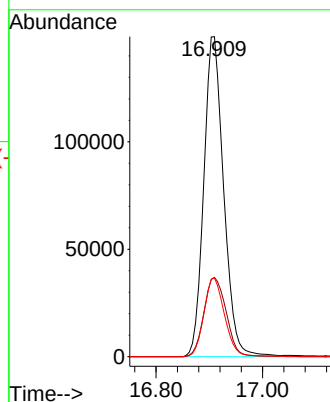
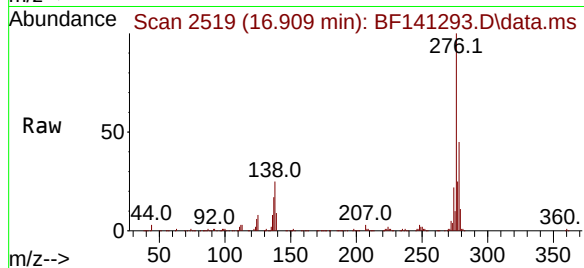
277 25.5 20.3 30.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#88

Benzo(b)fluoranthene

Concen: 21.383 ng

RT: 15.033 min Scan# 2200

Delta R.T. 0.018 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

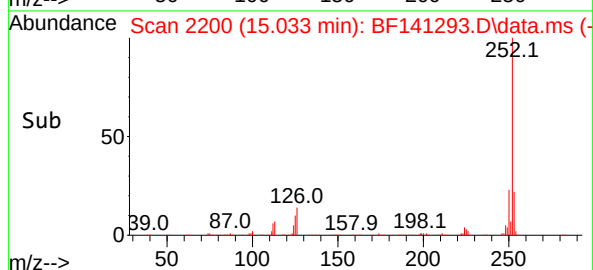
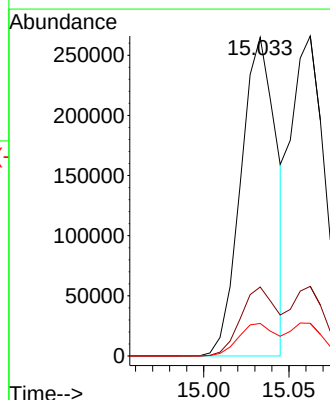
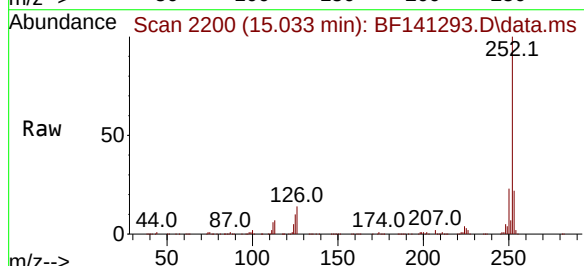
Tgt Ion:252 Resp: 384557

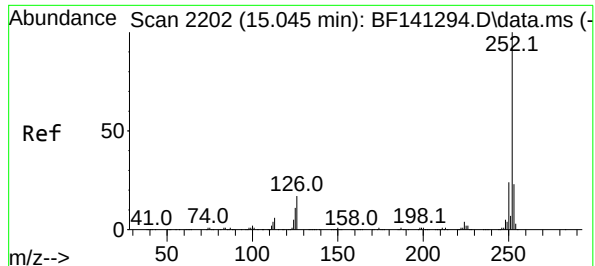
Ion Ratio Lower Upper

252 100

253 21.7 17.4 26.2

125 10.2 8.6 12.8





#89

Benzo(k)fluoranthene

Concen: 22.900 ng

RT: 15.062 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:252 Resp: 36880

Ion Ratio Lower Upper

252 100

253 21.8 17.6 26.4

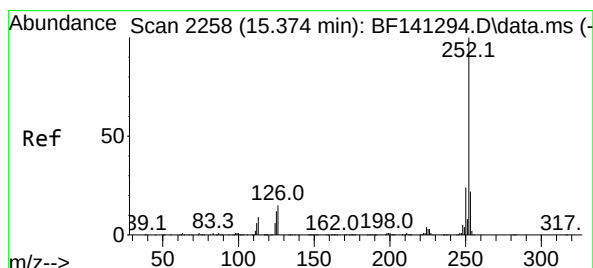
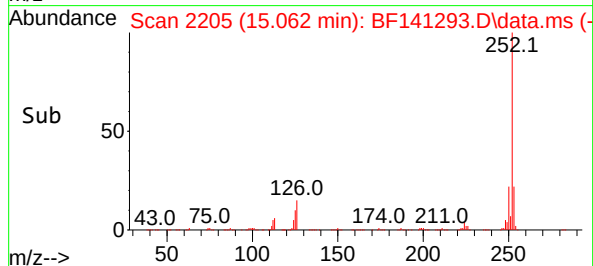
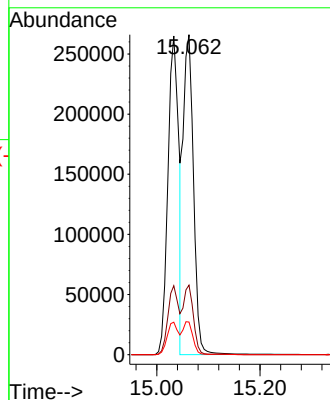
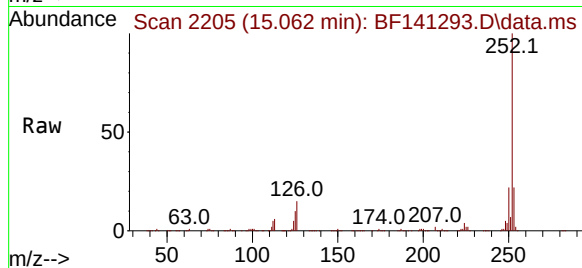
125 10.2 8.4 12.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#90

Benzo(a)pyrene

Concen: 21.317 ng

RT: 15.392 min Scan# 2261

Delta R.T. 0.018 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

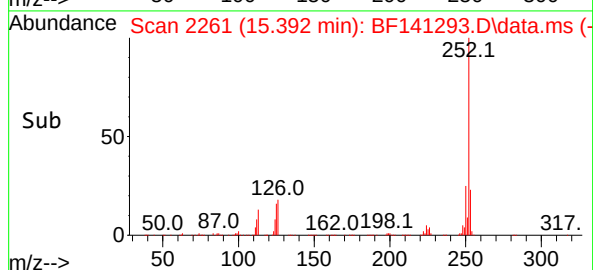
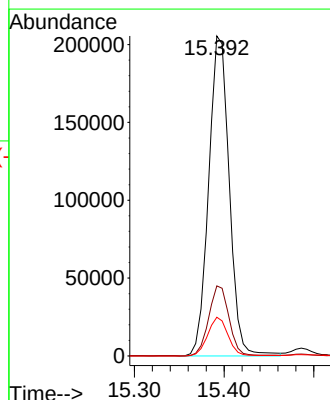
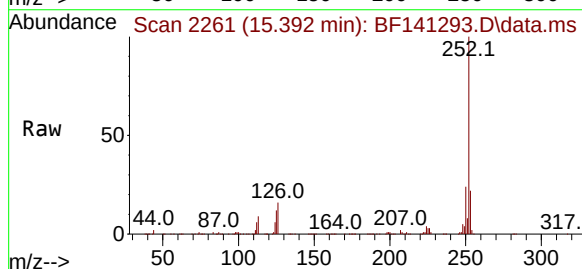
Tgt Ion:252 Resp: 327630

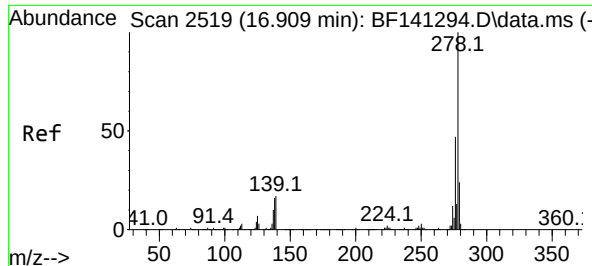
Ion Ratio Lower Upper

252 100

253 21.9 17.2 25.8

125 12.1 9.4 14.2





#91

Dibenzo(a,h)anthracene

Concen: 21.026 ng

RT: 16.927 min Scan# 2519

Delta R.T. 0.018 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:278 Resp: 318776

Ion Ratio Lower Upper

278 100

139 17.7 13.9 20.9

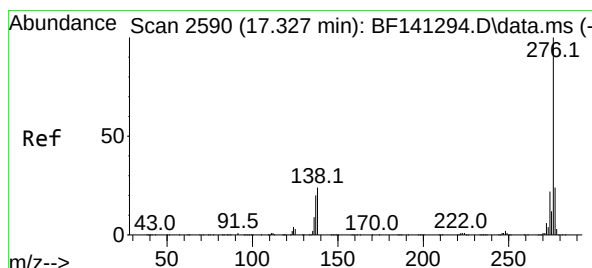
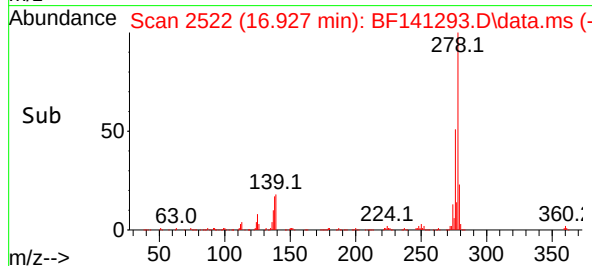
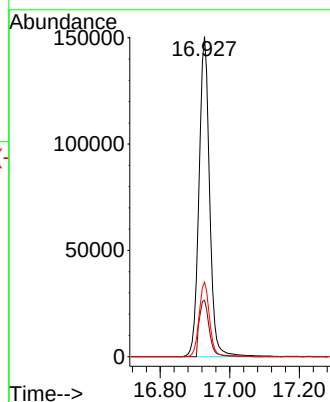
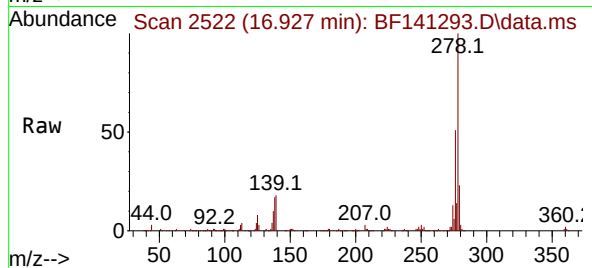
279 23.3 18.8 28.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#92

Benzo(g,h,i)perylene

Concen: 20.684 ng

RT: 17.345 min Scan# 2593

Delta R.T. 0.018 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

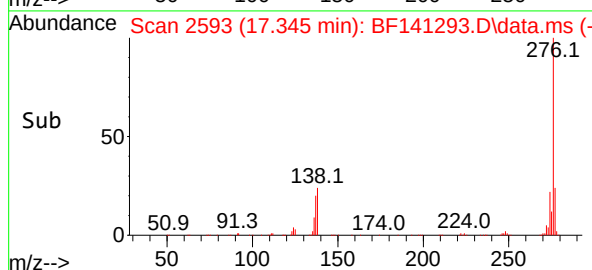
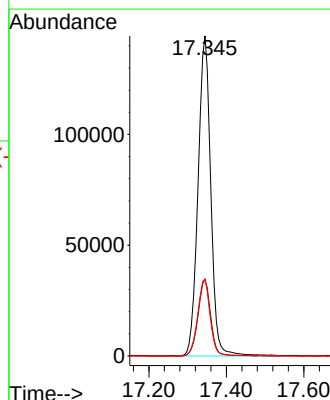
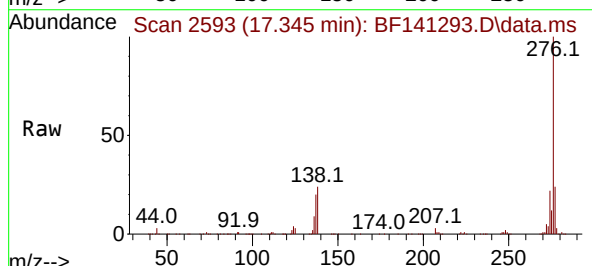
Tgt Ion:276 Resp: 329876

Ion Ratio Lower Upper

276 100

277 24.0 19.2 28.8

138 23.9 19.0 28.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
 Data File : BF141294.D
 Acq On : 29 Jan 2025 15:45
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICCC040

Quant Time: Jan 29 16:29:58 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 16:24:35 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	136511	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	533326	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	282995	20.000	ng	0.00
64) Phenanthrene-d10	11.327	188	458392	20.000	ng	0.00
76) Chrysene-d12	13.968	240	260600	20.000	ng	0.00
86) Perylene-d12	15.439	264	279417	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	655671	74.279	ng	0.00
7) Phenol-d6	6.428	99	829746	73.753	ng	0.00
23) Nitrobenzene-d5	7.363	82	755539	74.958	ng	0.00
42) 2,4,6-Tribromophenol	10.627	330	195693	75.888	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1339709	73.029	ng	0.00
79) Terphenyl-d14	12.916	244	1232977	72.802	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.487	88	146751	37.453	ng	100
3) Pyridine	3.216	79	360381	38.457	ng	100
4) n-Nitrosodimethylamine	3.169	42	205026	38.203	ng	100
6) Aniline	6.463	93	371145	39.471	ng	100
8) 2-Chlorophenol	6.581	128	354141	37.357	ng	100
9) Benzaldehyde	6.345	77	244365	37.402	ng	100
10) Phenol	6.439	94	448441	37.678	ng	100
11) bis(2-Chloroethyl)ether	6.534	93	336429	36.754	ng	100
12) 1,3-Dichlorobenzene	6.739	146	390276	37.328	ng	100
13) 1,4-Dichlorobenzene	6.816	146	390834	37.119	ng	100
14) 1,2-Dichlorobenzene	6.969	146	365173	37.114	ng	100
15) Benzyl Alcohol	6.939	79	295478	38.445	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.075	45	597590	37.578	ng	100
17) 2-Methylphenol	7.051	107	284578	37.077	ng	100
18) Hexachloroethane	7.310	117	144619	37.124	ng	100
19) n-Nitroso-di-n-propyla...	7.210	70	244379	36.524	ng	100
20) 3+4-Methylphenols	7.204	107	351248	37.222	ng	100
22) Acetophenone	7.210	105	465165	36.793	ng	100
24) Nitrobenzene	7.381	77	396149	37.893	ng	100
25) Isophorone	7.622	82	651994	37.429	ng	100
26) 2-Nitrophenol	7.698	139	188435	38.483	ng	100
27) 2,4-Dimethylphenol	7.733	122	239376	38.255	ng	100
28) bis(2-Chloroethoxy)met...	7.833	93	414781	37.367	ng	100
29) 2,4-Dichlorophenol	7.939	162	288763	37.768	ng	100
30) 1,2,4-Trichlorobenzene	8.022	180	323865	36.932	ng	100
31) Naphthalene	8.104	128	1041107	37.116	ng	100
32) Benzoic acid	7.845	122	235596	41.459	ng	100
33) 4-Chloroaniline	8.151	127	361001	38.313	ng	100
34) Hexachlorobutadiene	8.222	225	190772	37.169	ng	100
35) Caprolactam	8.516	113	94819	38.342	ng	100
36) 4-Chloro-3-methylphenol	8.633	107	305768	37.262	ng	100
37) 2-Methylnaphthalene	8.792	142	666038	37.286	ng	100
38) 1-Methylnaphthalene	8.892	142	646346	36.938	ng	100
40) 1,2,4,5-Tetrachloroben...	8.957	216	302471	37.591	ng	100
41) Hexachlorocyclopentadiene	8.945	237	97299	40.295	ng	100
43) 2,4,6-Trichlorophenol	9.069	196	205797	39.181	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
 Data File : BF141294.D
 Acq On : 29 Jan 2025 15:45
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICCC040

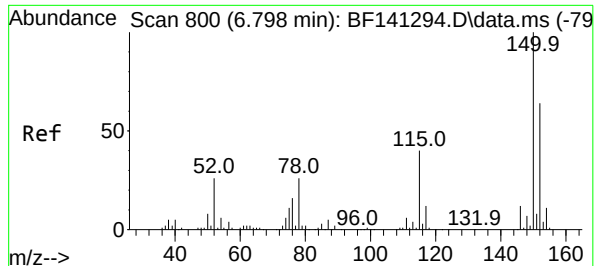
Quant Time: Jan 29 16:29:58 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 16:24:35 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	213401	37.346	ng	100
46) 1,1'-Biphenyl	9.257	154	823004	37.278	ng	100
47) 2-Chloronaphthalene	9.280	162	634814	37.020	ng	100
48) 2-Nitroaniline	9.380	65	205997	38.089	ng	100
49) Acenaphthylene	9.698	152	902715	37.483	ng	100
50) Dimethylphthalate	9.563	163	701107	36.945	ng	100
51) 2,6-Dinitrotoluene	9.622	165	167409	37.909	ng	100
52) Acenaphthene	9.869	154	638597	37.266	ng	100
53) 3-Nitroaniline	9.792	138	171409	39.240	ng	100
54) 2,4-Dinitrophenol	9.898	184	83282	40.011	ng	100
55) Dibenzofuran	10.045	168	859175	37.490	ng	100
56) 4-Nitrophenol	9.945	139	126536	40.349	ng	100
57) 2,4-Dinitrotoluene	10.027	165	218627	38.382	ng	100
58) Fluorene	10.386	166	660612	37.076	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.163	232	172174	38.138	ng	100
60) Diethylphthalate	10.263	149	693066	37.710	ng	100
61) 4-Chlorophenyl-phenyle...	10.380	204	321112	36.929	ng	100
62) 4-Nitroaniline	10.404	138	164154	39.120	ng	100
63) Azobenzene	10.539	77	693050	37.621	ng	100
65) 4,6-Dinitro-2-methylph...	10.433	198	114735	41.914	ng	100
66) n-Nitrosodiphenylamine	10.498	169	573712	38.602	ng	100
67) 4-Bromophenyl-phenylether	10.869	248	198895	38.815	ng	100
68) Hexachlorobenzene	10.933	284	209735	38.586	ng	100
69) Atrazine	11.027	200	195062	39.131	ng	100
70) Pentachlorophenol	11.127	266	131295	41.196	ng	100
71) Phenanthrene	11.351	178	940021	38.175	ng	100
72) Anthracene	11.404	178	925244	38.521	ng	100
73) Carbazole	11.557	167	824095	38.735	ng	100
74) Di-n-butylphthalate	11.892	149	995172	38.805	ng	100
75) Fluoranthene	12.539	202	928946	38.650	ng	100
77) Benzidine	12.663	184	380623	48.034	ng	100
78) Pyrene	12.768	202	914205	36.333	ng	100
80) Butylbenzylphthalate	13.392	149	326158	37.532	ng	100
81) Benzo(a)anthracene	13.957	228	661997	37.062	ng	100
82) 3,3'-Dichlorobenzidine	13.921	252	217856	38.953	ng	100
83) Chrysene	13.998	228	591939	35.738	ng	100
84) Bis(2-ethylhexyl)phtha...	13.957	149	409365	37.540	ng	100
85) Di-n-octyl phthalate	14.586	149	640977	37.578	ng	100
87) Indeno(1,2,3-cd)pyrene	16.886	276	702692	38.503	ng	100
88) Benzo(b)fluoranthene	15.015	252	625758	36.061	ng	100
89) Benzo(k)fluoranthene	15.045	252	605401	38.959	ng	100
90) Benzo(a)pyrene	15.374	252	564975	38.096	ng	100
91) Dibenzo(a,h)anthracene	16.909	278	567762	38.812	ng	100
92) Benzo(g,h,i)perylene	17.327	276	582768	37.870	ng	100

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

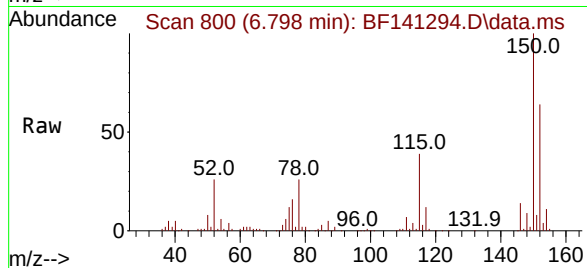
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

[illegible]

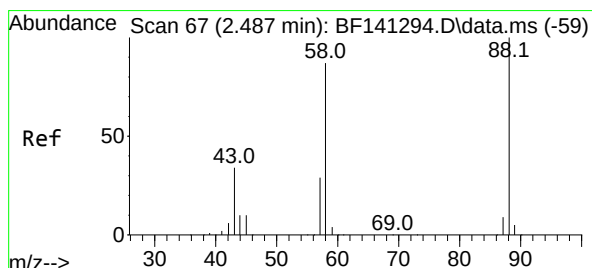
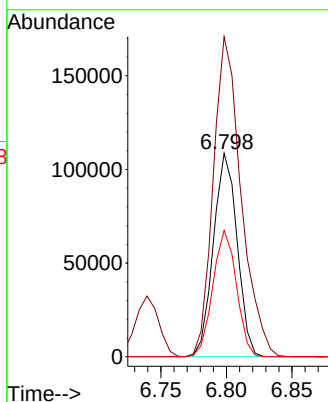
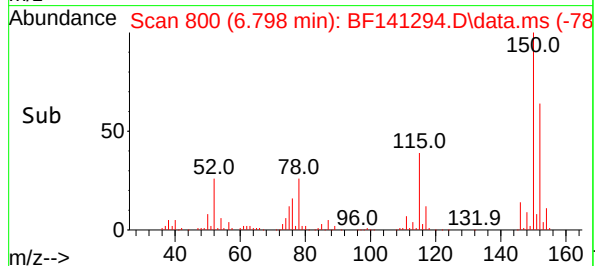


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

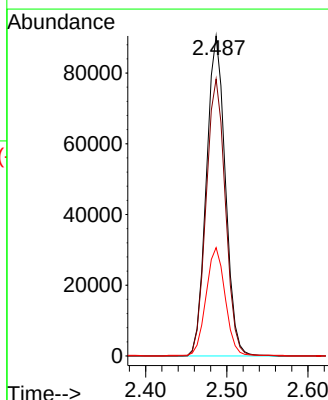
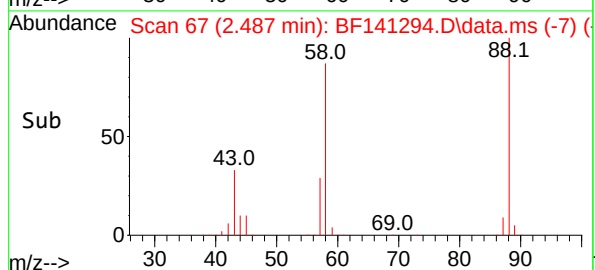
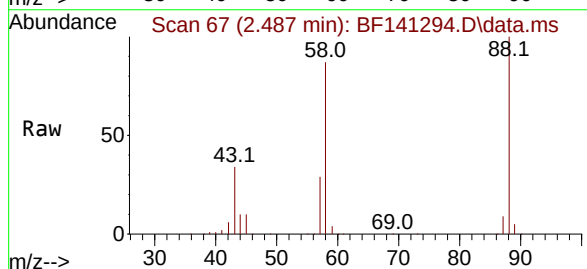


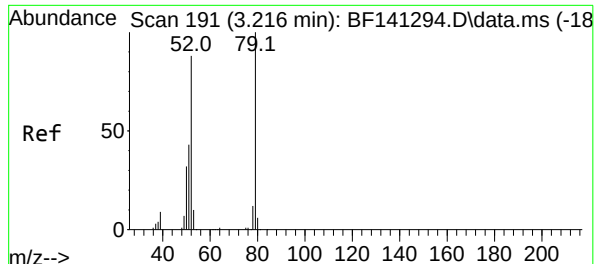
Tgt Ion:152 Resp: 136511
Ion Ratio Lower Upper
152 100
150 157.4 125.9 188.9
115 62.1 49.7 74.5



#2
1,4-Dioxane
Concen: 37.453 ng
RT: 2.487 min Scan# 67
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion: 88 Resp: 146751
Ion Ratio Lower Upper
88 100
58 87.8 70.2 105.4
43 34.5 27.6 41.4





#3

Pyridine

Concen: 38.457 ng

RT: 3.216 min Scan# 191

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

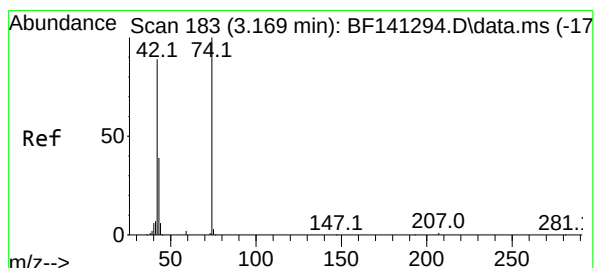
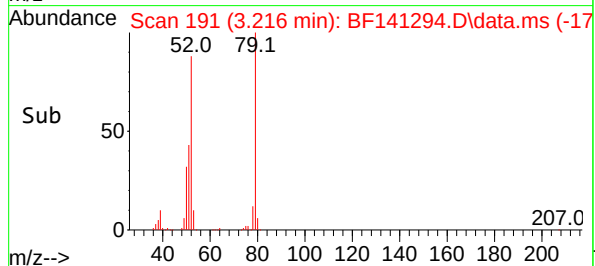
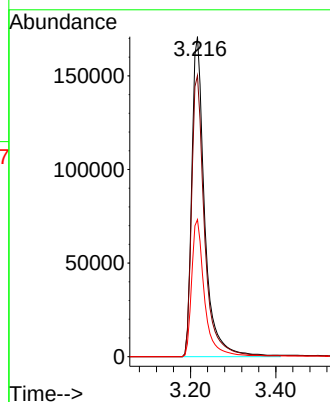
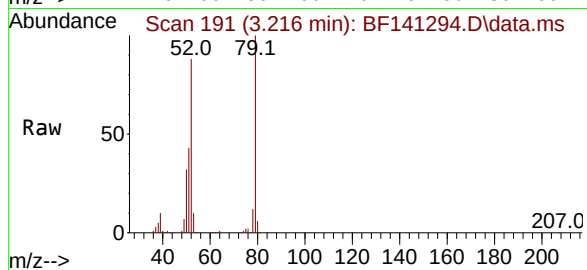
Tgt Ion: 79 Resp: 360381

Ion Ratio Lower Upper

79 100

52 87.9 70.3 105.5

51 42.9 34.3 51.5



#4

n-Nitrosodimethylamine

Concen: 38.203 ng

RT: 3.169 min Scan# 183

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

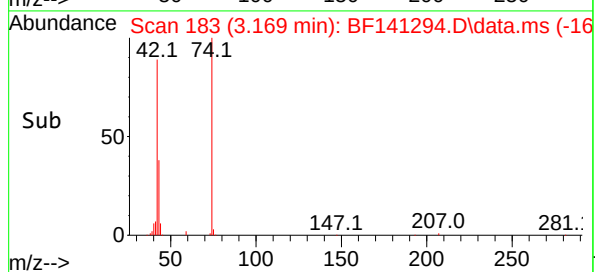
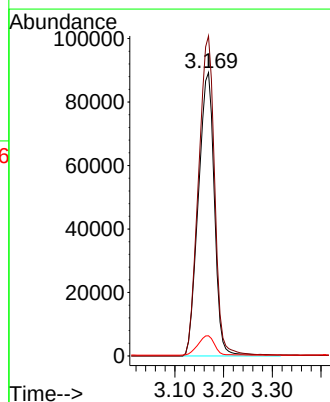
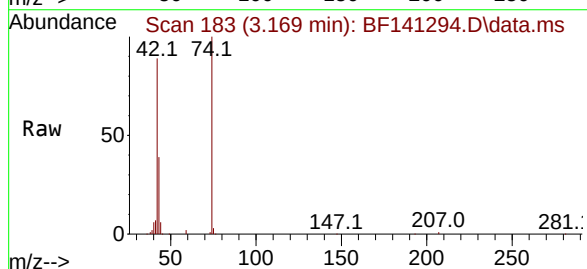
Tgt Ion: 42 Resp: 205026

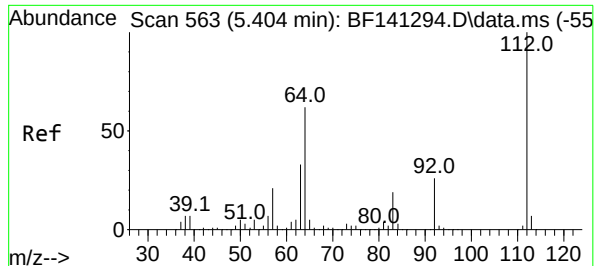
Ion Ratio Lower Upper

42 100

74 112.9 90.3 135.5

44 7.1 5.7 8.5

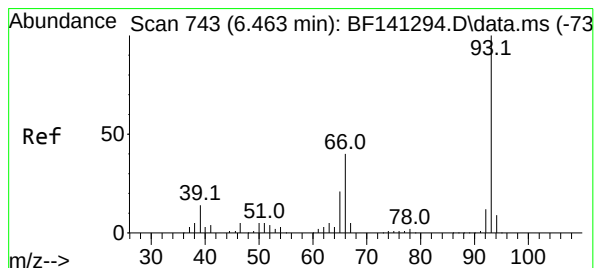
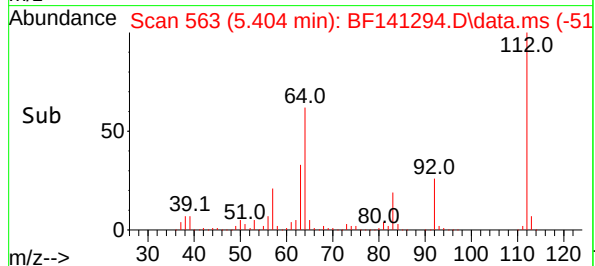
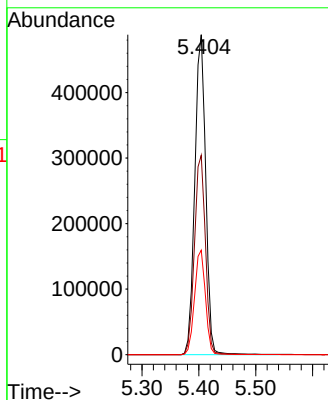
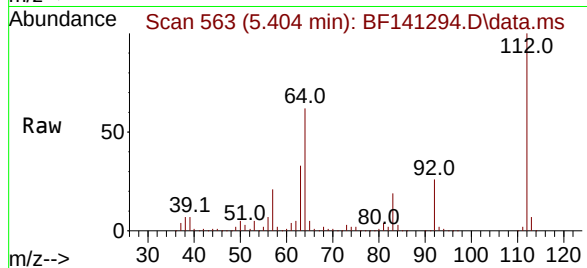




#5
2-Fluorophenol
Concen: 74.279 ng
RT: 5.404 min Scan# 501
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

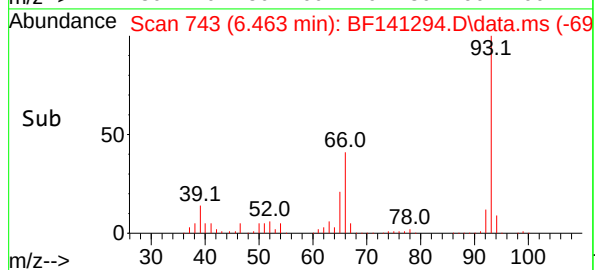
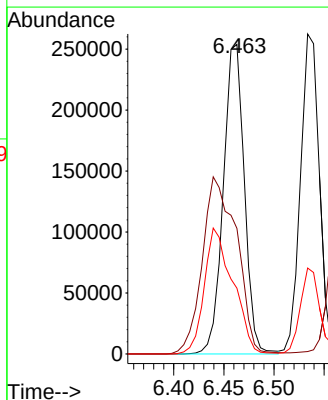
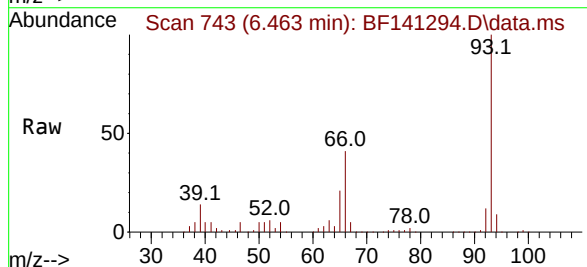
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

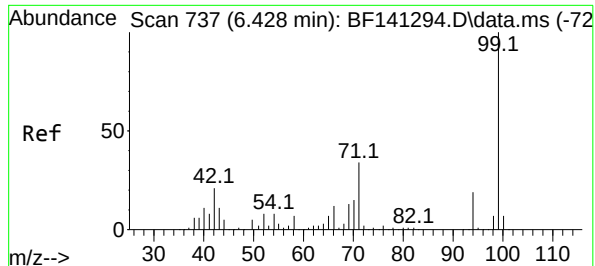
Tgt Ion:112 Resp: 655671
Ion Ratio Lower Upper
112 100
64 62.3 49.8 74.8
63 32.6 26.1 39.1



#6
Aniline
Concen: 39.471 ng
RT: 6.463 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion: 93 Resp: 371145
Ion Ratio Lower Upper
93 100
66 40.6 32.5 48.7
65 21.3 17.0 25.6





#7

Phenol-d6

Concen: 73.753 ng

RT: 6.428 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

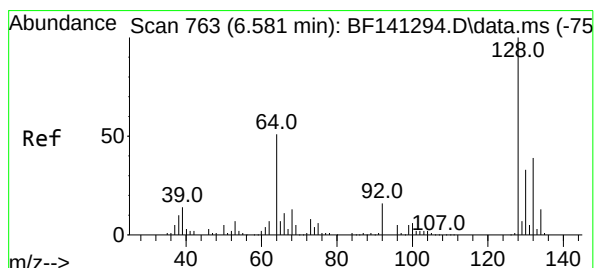
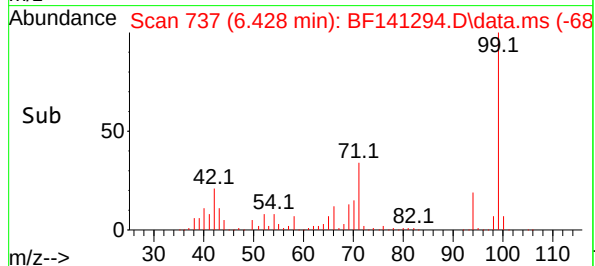
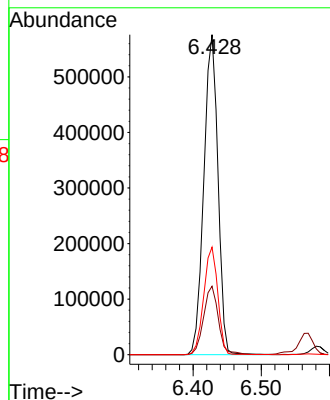
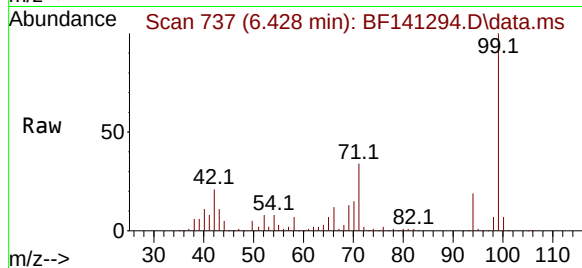
Tgt Ion: 99 Resp: 829746

Ion Ratio Lower Upper

99 100

42 21.4 17.1 25.7

71 33.6 26.9 40.3



#8

2-Chlorophenol

Concen: 37.357 ng

RT: 6.581 min Scan# 763

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

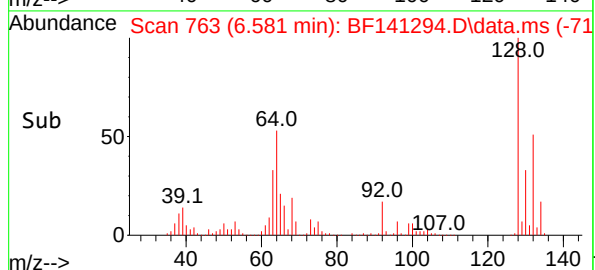
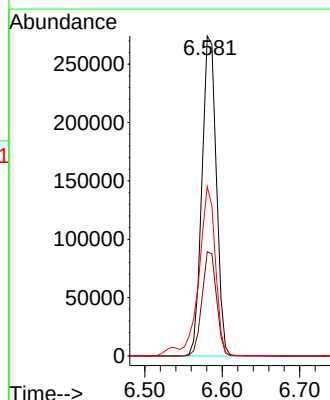
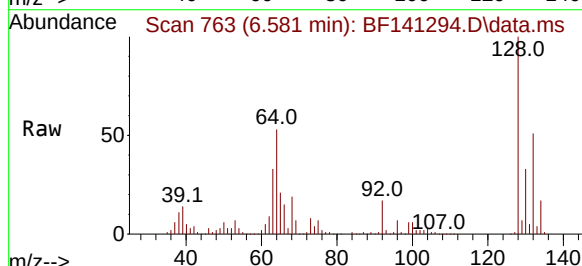
Tgt Ion:128 Resp: 354141

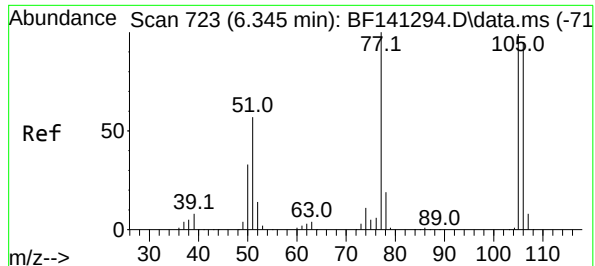
Ion Ratio Lower Upper

128 100

130 32.5 12.5 52.5

64 52.9 32.9 72.9





#9

Benzaldehyde

Concen: 37.402 ng

RT: 6.345 min Scan# 723

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

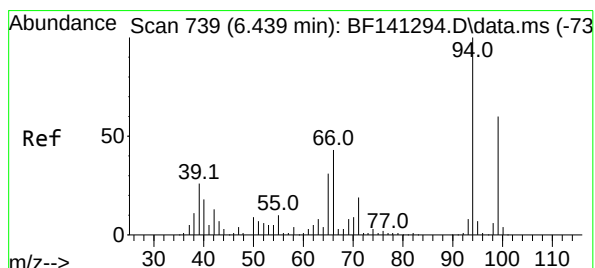
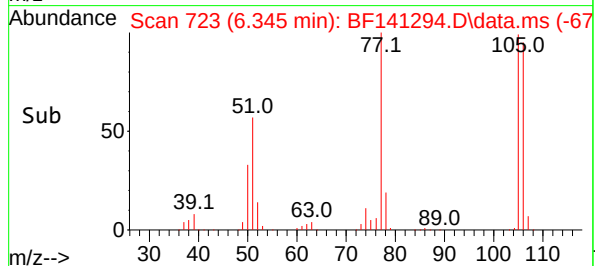
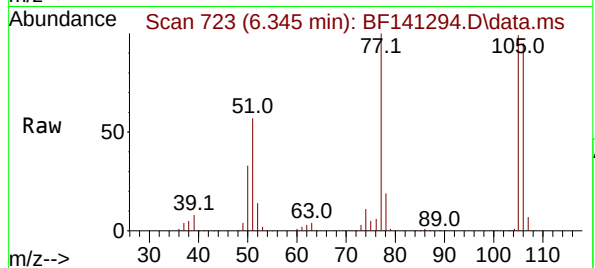
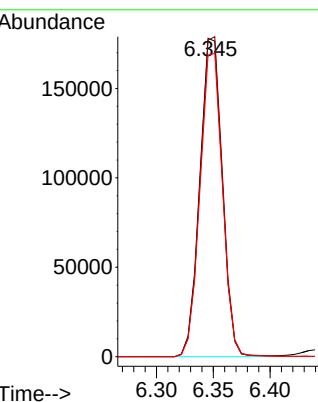
BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 77 Resp: 244365

Ion	Ratio	Lower	Upper
77	100		
105	99.4	79.4	119.4
106	94.6	74.6	114.6



#10

Phenol

Concen: 37.678 ng

RT: 6.439 min Scan# 739

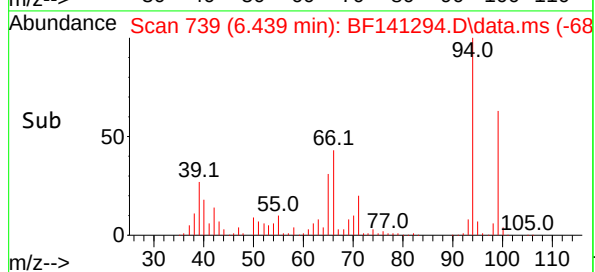
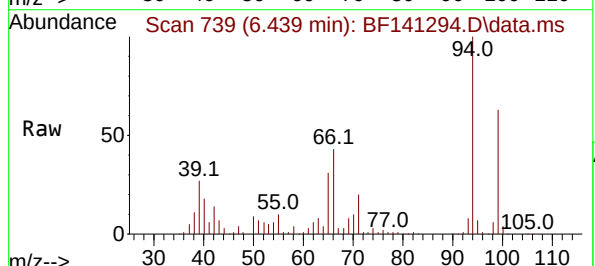
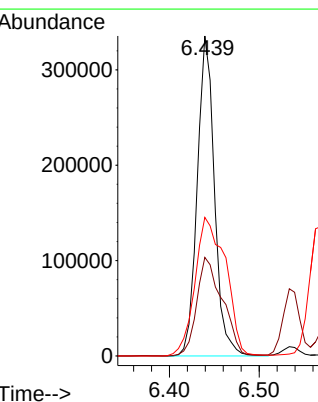
Delta R.T. 0.000 min

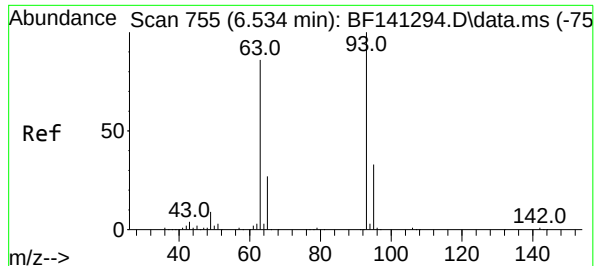
Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Tgt Ion: 94 Resp: 448441

Ion	Ratio	Lower	Upper
94	100		
65	30.8	10.8	50.8
66	43.3	23.3	63.3





#11

bis(2-Chloroethyl)ether

Concen: 36.754 ng

RT: 6.534 min Scan# 755

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

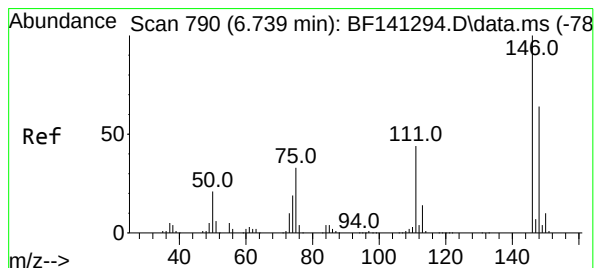
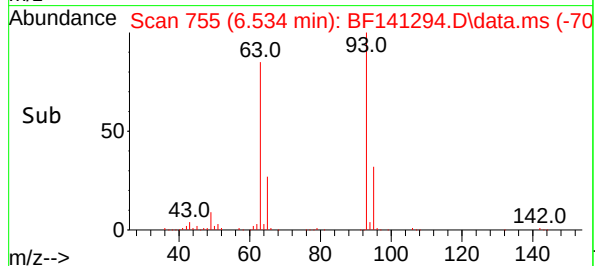
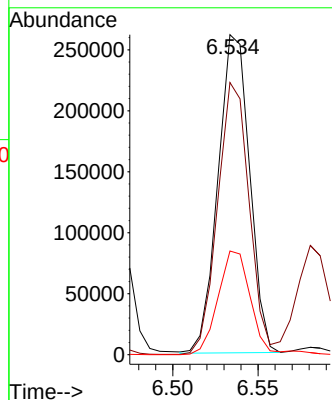
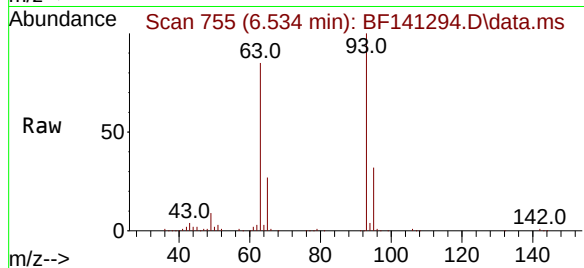
Tgt Ion: 93 Resp: 336429

Ion Ratio Lower Upper

93 100

63 85.0 65.0 105.0

95 32.4 12.4 52.4



#12

1,3-Dichlorobenzene

Concen: 37.328 ng

RT: 6.739 min Scan# 790

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

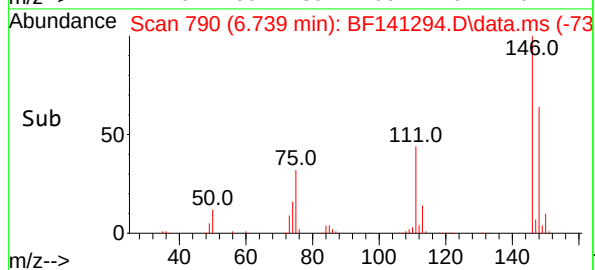
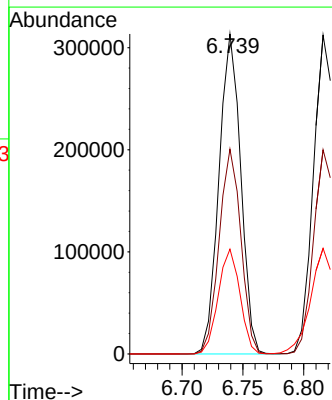
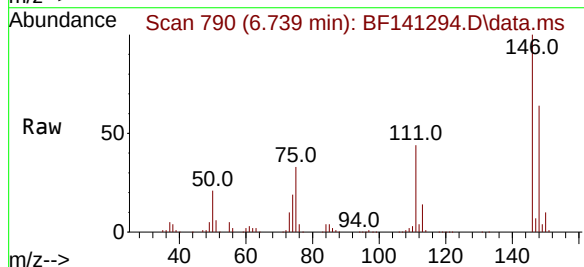
Tgt Ion: 146 Resp: 390276

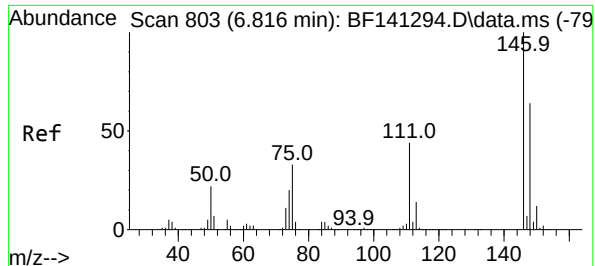
Ion Ratio Lower Upper

146 100

148 64.0 51.2 76.8

75 32.8 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 37.119 ng

RT: 6.816 min Scan# 803

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

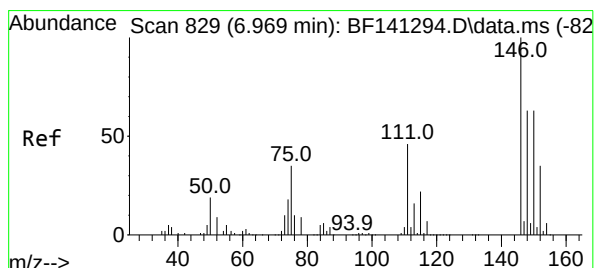
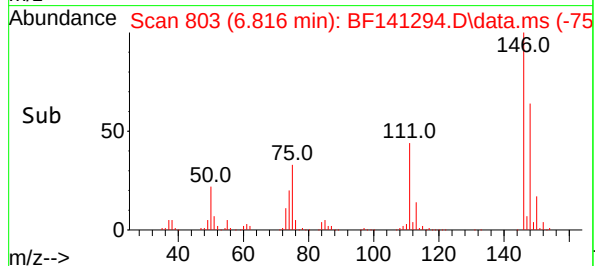
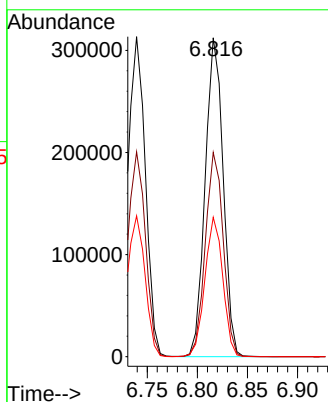
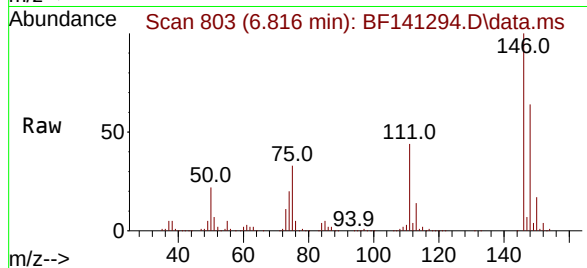
Tgt Ion:146 Resp: 390834

Ion Ratio Lower Upper

146 100

148 64.0 51.2 76.8

111 43.7 35.0 52.4



#14

1,2-Dichlorobenzene

Concen: 37.114 ng

RT: 6.969 min Scan# 829

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

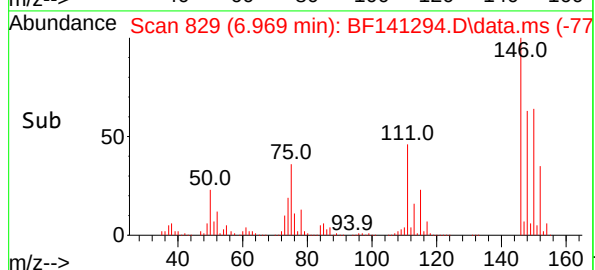
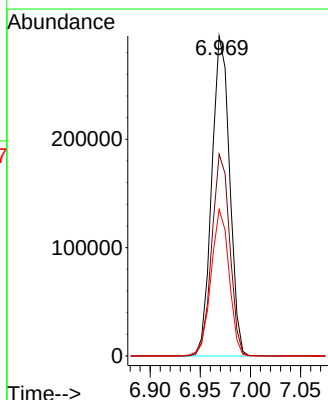
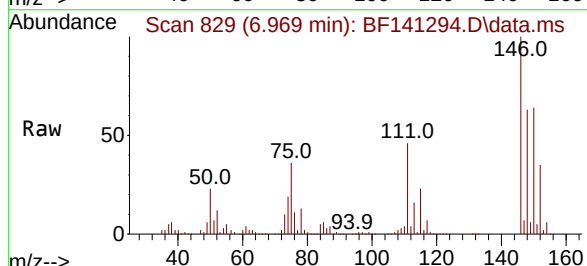
Tgt Ion:146 Resp: 365173

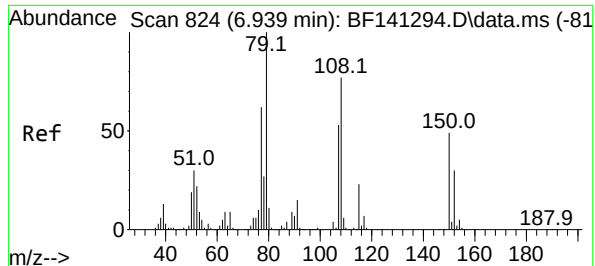
Ion Ratio Lower Upper

146 100

148 63.1 50.5 75.7

111 45.8 36.6 55.0





#15

Benzyl Alcohol

Concen: 38.445 ng

RT: 6.939 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

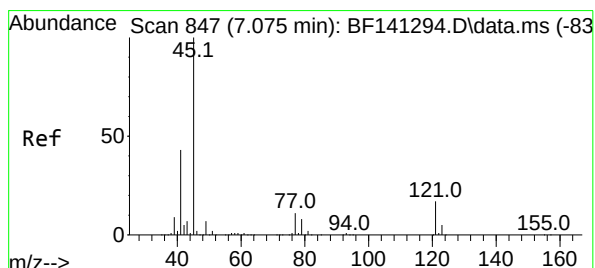
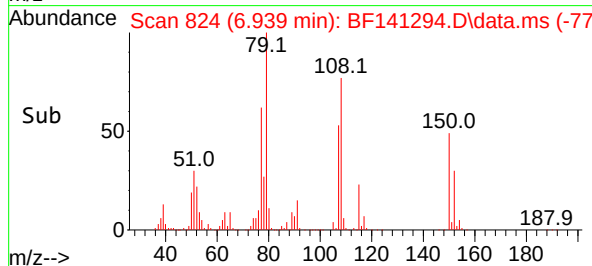
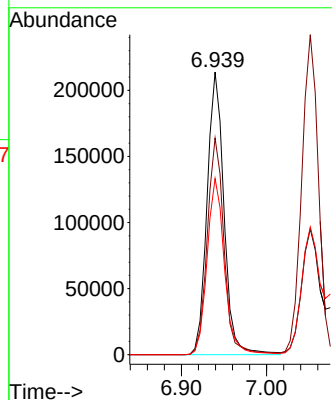
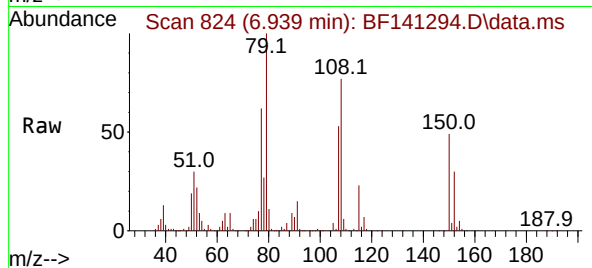
Tgt Ion: 79 Resp: 295478

Ion Ratio Lower Upper

79 100

108 76.7 61.4 92.0

77 62.4 49.9 74.9



#16

2,2'-oxybis(1-Chloropropane)

Concen: 37.578 ng

RT: 7.075 min Scan# 847

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

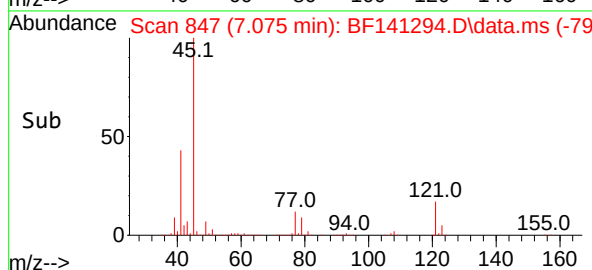
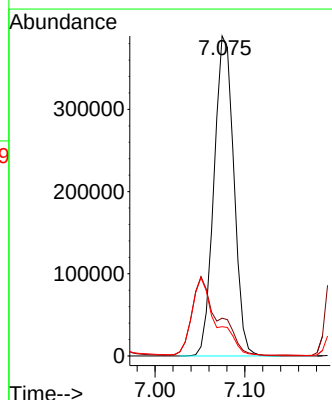
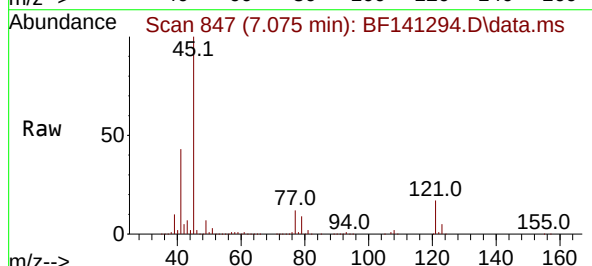
Tgt Ion: 45 Resp: 597590

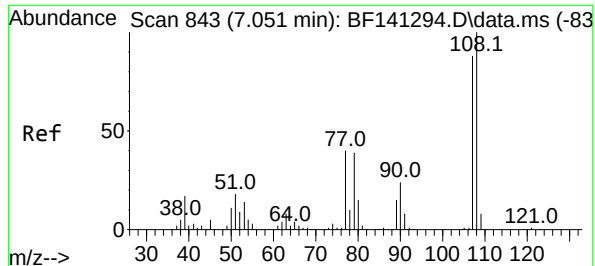
Ion Ratio Lower Upper

45 100

77 11.8 0.0 31.8

79 9.1 0.0 29.1





#17

2-Methylphenol

Concen: 37.077 ng

RT: 7.051 min Scan# 843

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:107 Resp: 284578

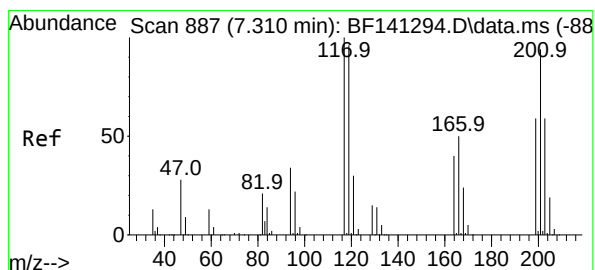
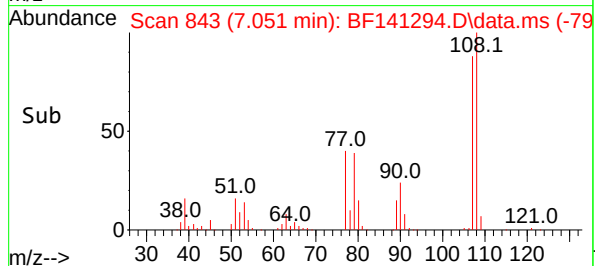
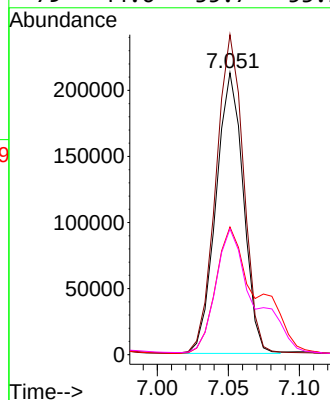
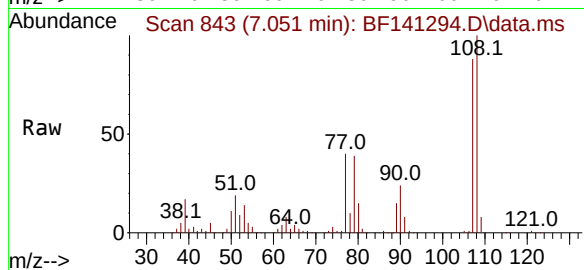
Ion Ratio Lower Upper

107 100

108 113.5 90.8 136.2

77 45.3 36.2 54.4

79 44.6 35.7 53.5



#18

Hexachloroethane

Concen: 37.124 ng

RT: 7.310 min Scan# 887

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

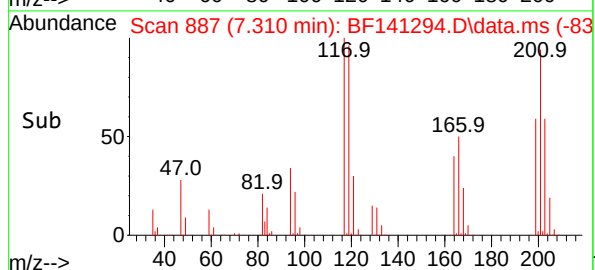
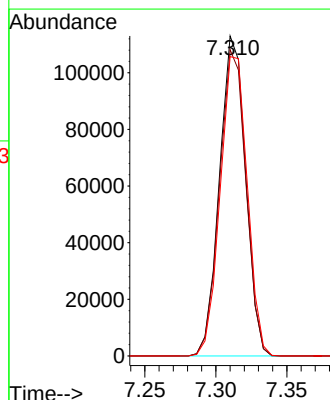
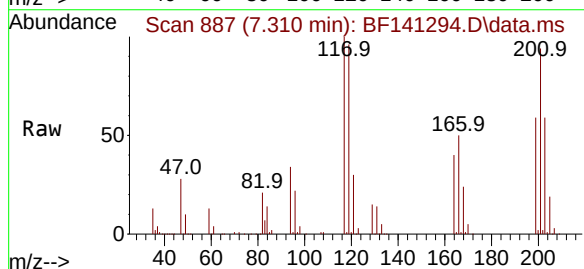
Tgt Ion:117 Resp: 144619

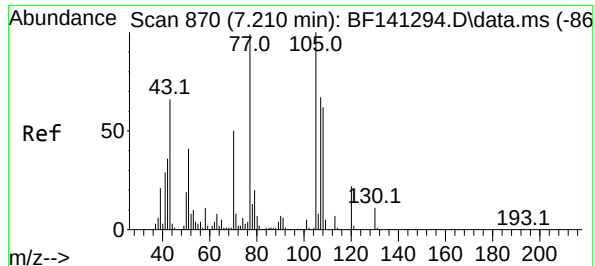
Ion Ratio Lower Upper

117 100

119 95.7 76.6 114.8

201 93.5 74.8 112.2





#19

n-Nitroso-di-n-propylamine

Concen: 36.524 ng

RT: 7.210 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 70 Resp: 244379

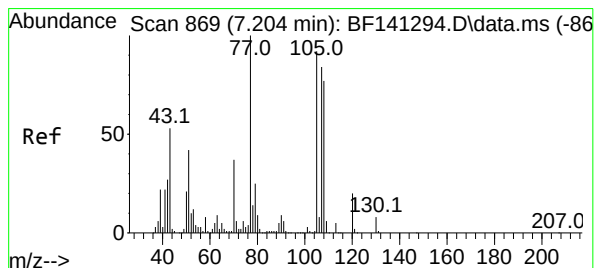
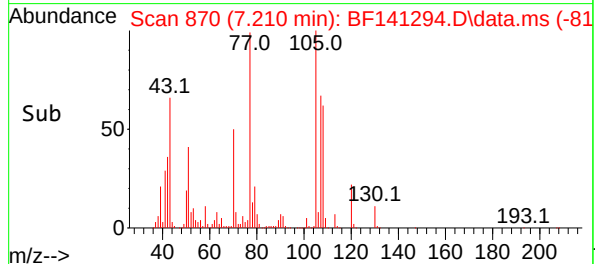
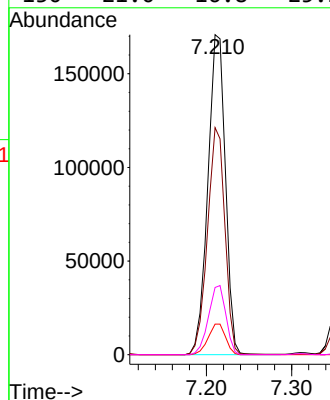
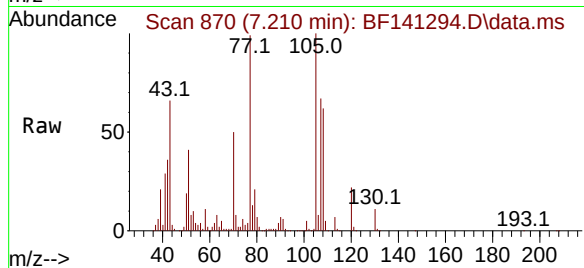
Ion Ratio Lower Upper

70 100

42 71.0 56.8 85.2

101 9.6 7.7 11.5

130 21.0 16.8 25.2



#20

3+4-Methylphenols

Concen: 37.222 ng

RT: 7.204 min Scan# 869

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Tgt Ion: 107 Resp: 351248

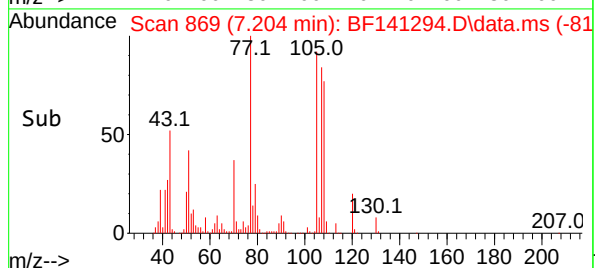
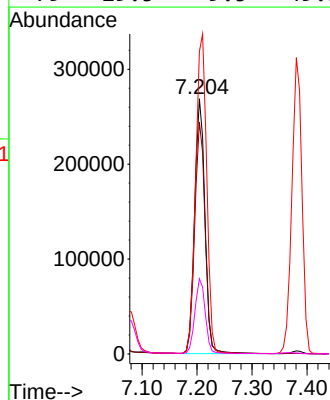
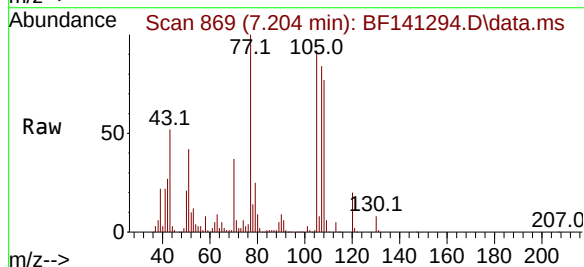
Ion Ratio Lower Upper

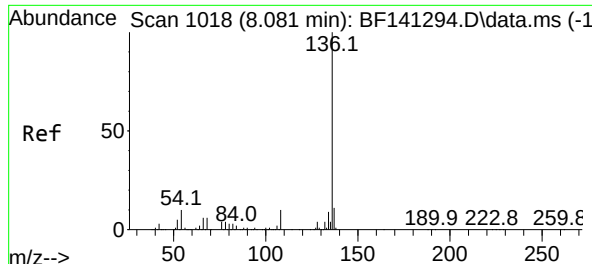
107 100

108 90.9 70.9 110.9

77 118.5 98.5 138.5

79 29.5 9.5 49.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.081 min Scan# 1018

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:136 Resp: 533326

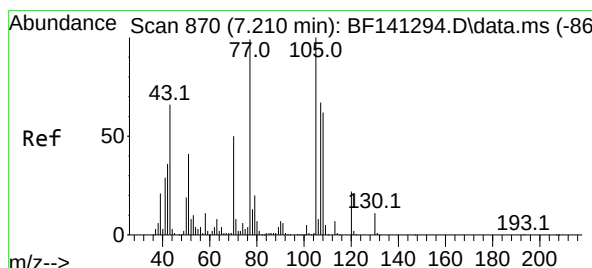
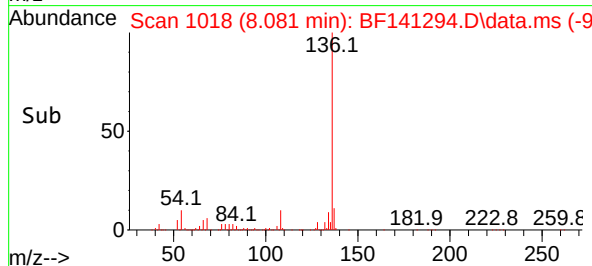
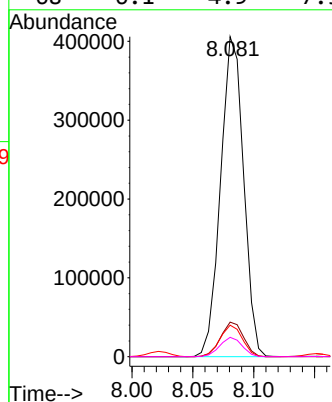
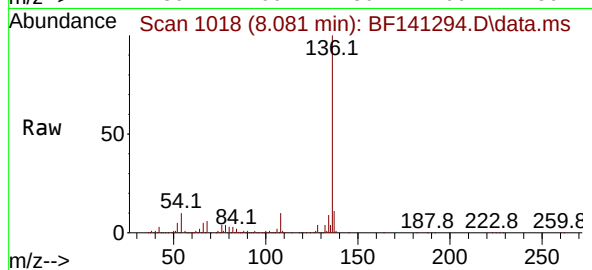
Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

54 9.8 7.8 11.8

68 6.1 4.9 7.3



#22

Acetophenone

Concen: 36.793 ng

RT: 7.210 min Scan# 870

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Tgt Ion:105 Resp: 465165

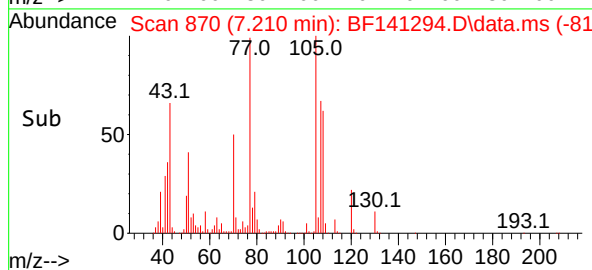
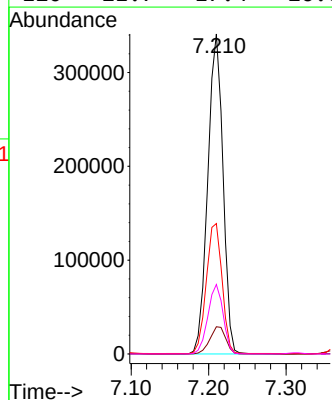
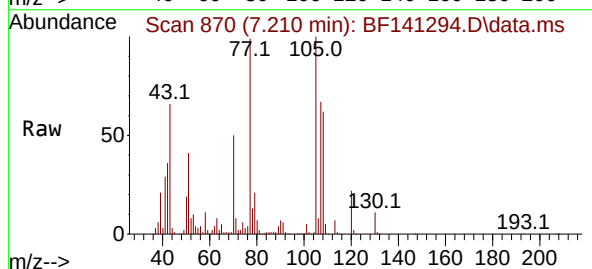
Ion Ratio Lower Upper

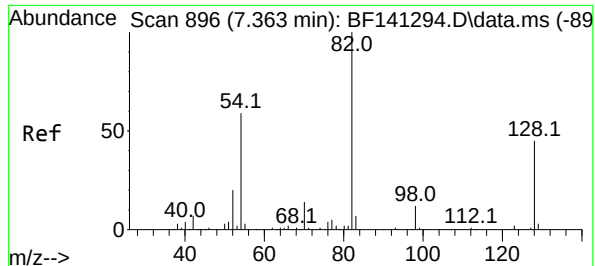
105 100

71 8.5 6.8 10.2

51 40.8 32.6 49.0

120 21.7 17.4 26.0





#23

Nitrobenzene-d5

Concen: 74.958 ng

RT: 7.363 min Scan# 896

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

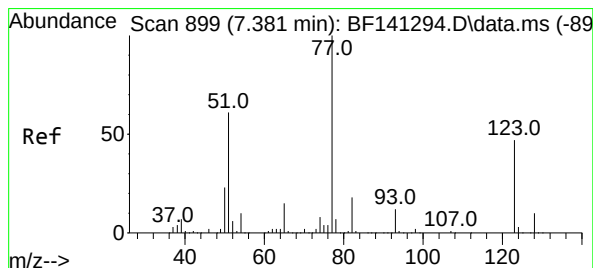
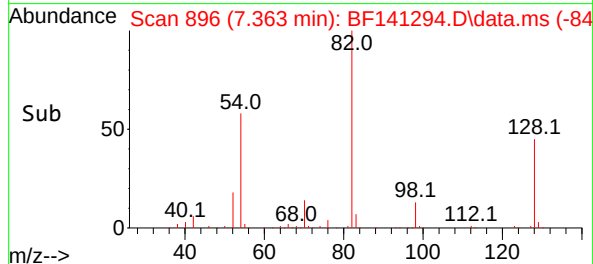
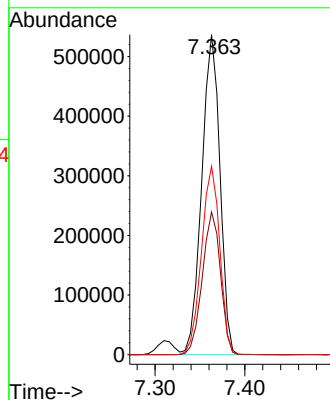
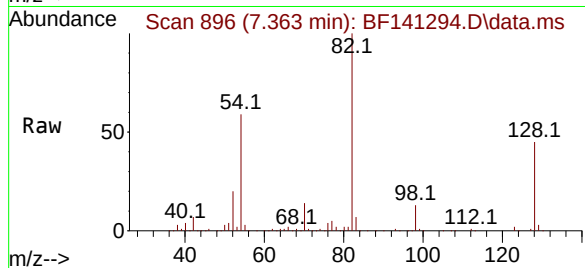
Tgt Ion: 82 Resp: 755539

Ion Ratio Lower Upper

82 100

128 44.6 35.7 53.5

54 58.9 47.1 70.7



#24

Nitrobenzene

Concen: 37.893 ng

RT: 7.381 min Scan# 899

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

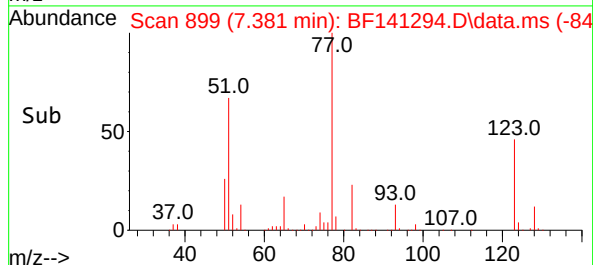
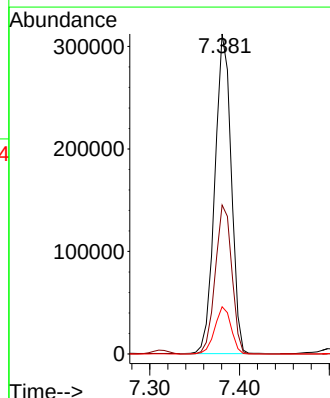
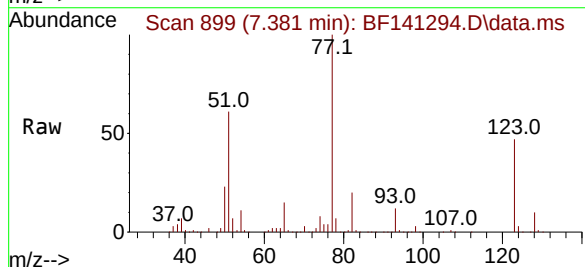
Tgt Ion: 77 Resp: 396149

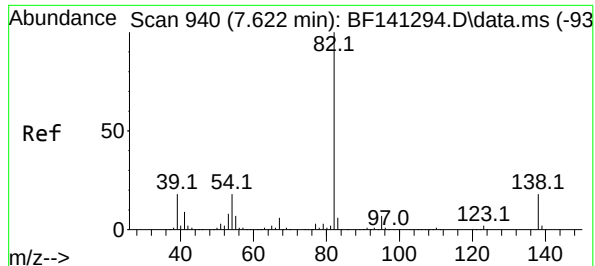
Ion Ratio Lower Upper

77 100

123 46.6 37.3 55.9

65 14.7 11.8 17.6

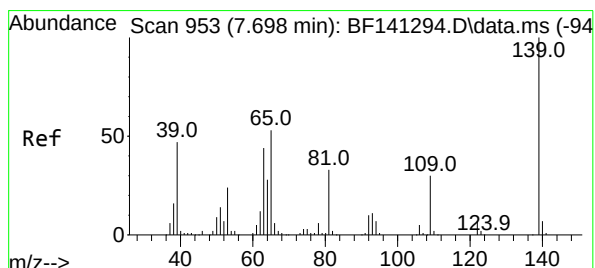
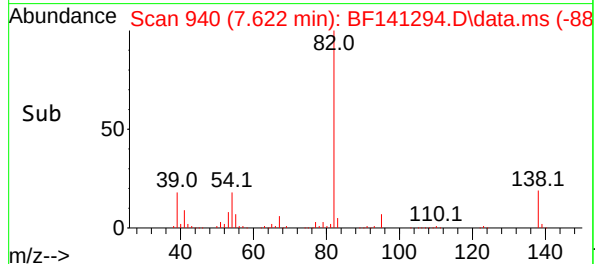
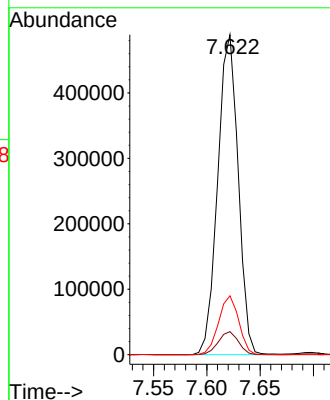
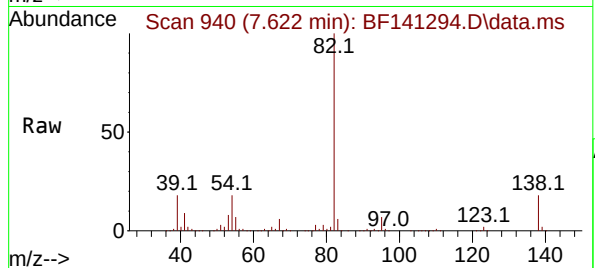




#25
Isophorone
Concen: 37.429 ng
RT: 7.622 min Scan# 940
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

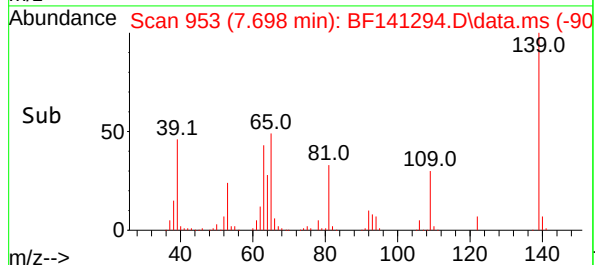
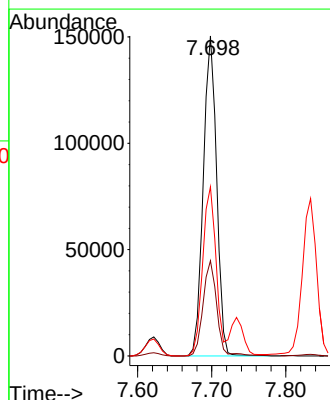
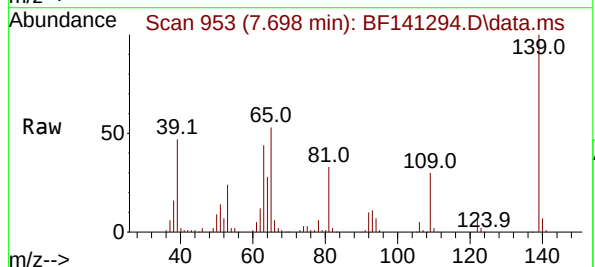
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

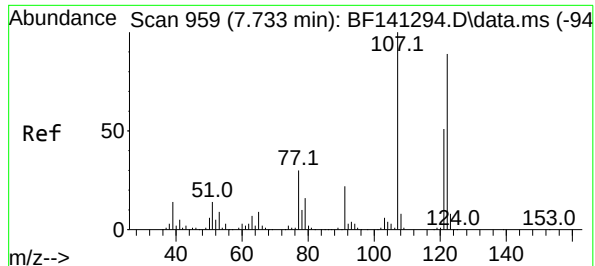
Tgt Ion: 82 Resp: 651994
Ion Ratio Lower Upper
82 100
95 7.2 5.8 8.6
138 18.4 14.7 22.1



#26
2-Nitrophenol
Concen: 38.483 ng
RT: 7.698 min Scan# 953
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion: 139 Resp: 188435
Ion Ratio Lower Upper
139 100
109 29.7 23.8 35.6
65 52.8 42.2 63.4





#27

2,4-Dimethylphenol

Concen: 38.255 ng

RT: 7.733 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

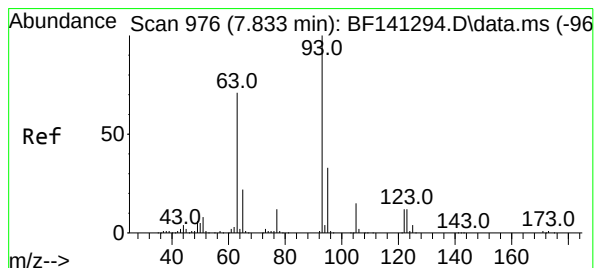
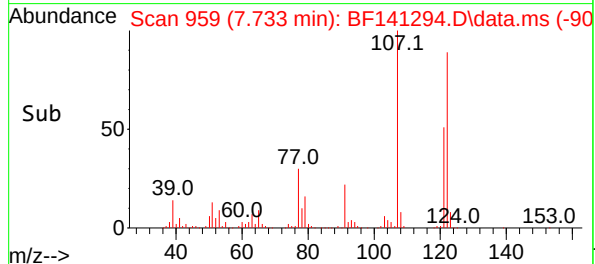
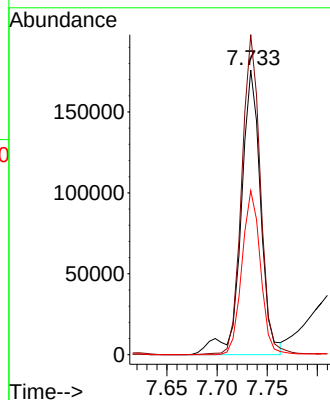
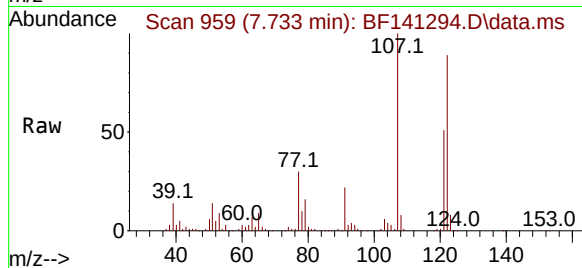
Tgt Ion:122 Resp: 239376

Ion Ratio Lower Upper

122 100

107 112.4 89.9 134.9

121 57.6 46.1 69.1



#28

bis(2-Chloroethoxy)methane

Concen: 37.367 ng

RT: 7.833 min Scan# 976

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

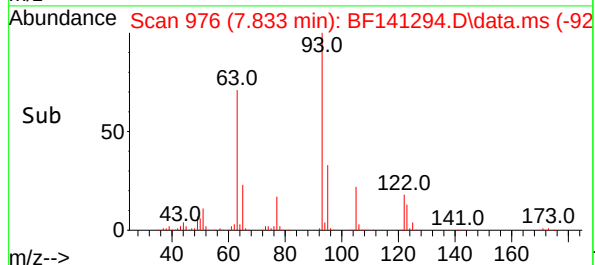
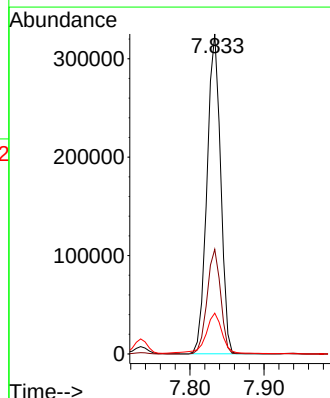
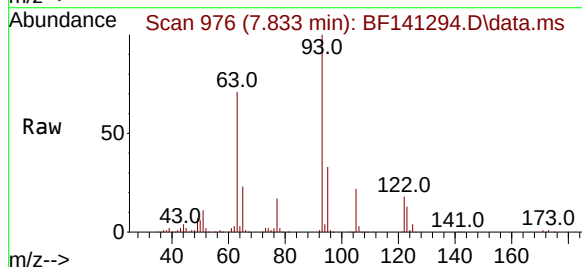
Tgt Ion: 93 Resp: 414781

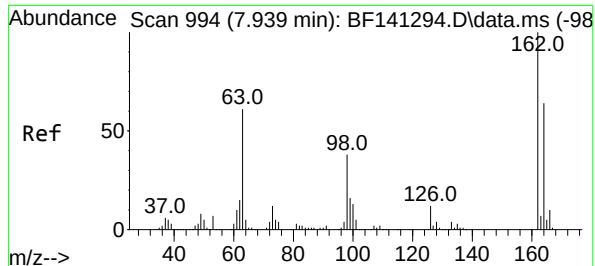
Ion Ratio Lower Upper

93 100

95 32.7 26.2 39.2

123 12.8 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 37.768 ng

RT: 7.939 min Scan# 994

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

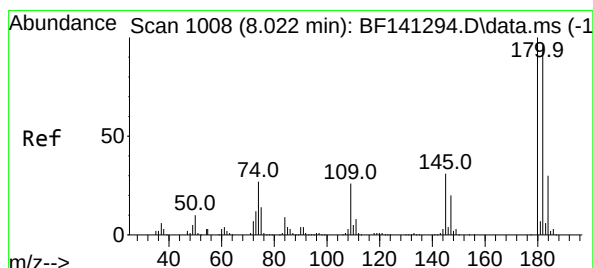
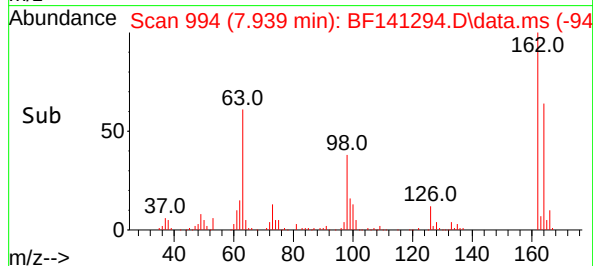
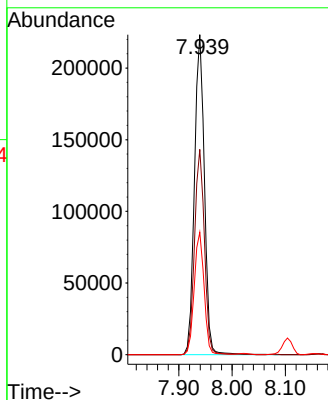
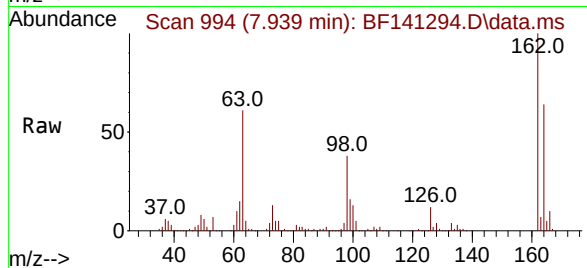
Tgt Ion:162 Resp: 288763

Ion Ratio Lower Upper

162 100

164 64.2 44.2 84.2

98 38.2 18.2 58.2



#30

1,2,4-Trichlorobenzene

Concen: 36.932 ng

RT: 8.022 min Scan# 1008

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

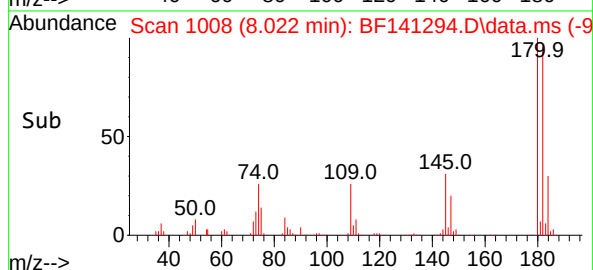
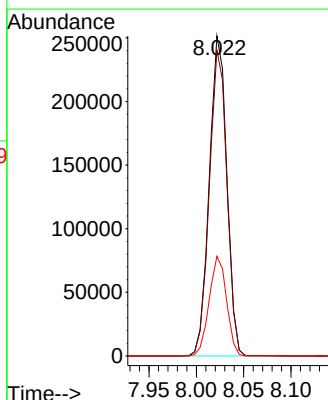
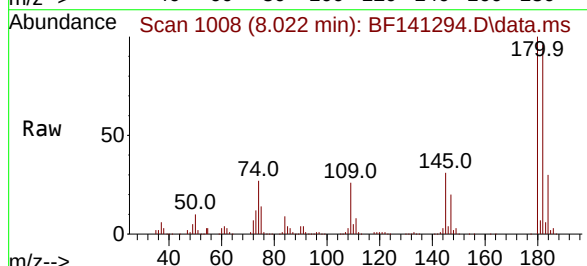
Tgt Ion:180 Resp: 323865

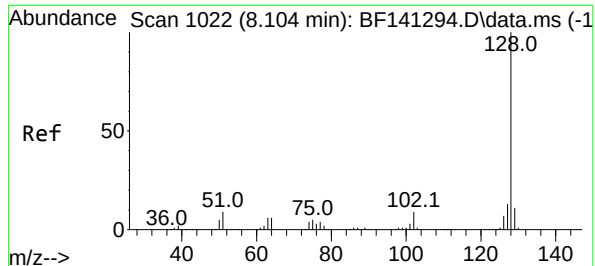
Ion Ratio Lower Upper

180 100

182 95.5 76.4 114.6

145 31.1 24.9 37.3





#31

Naphthalene

Concen: 37.116 ng

RT: 8.104 min Scan# 1022

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

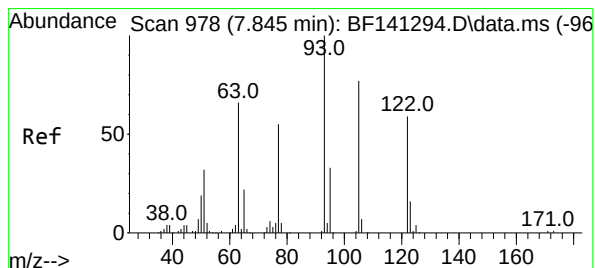
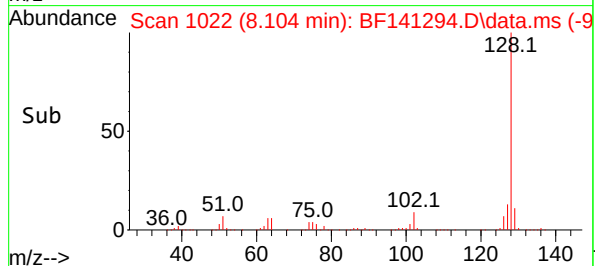
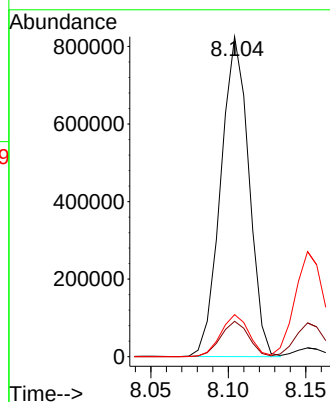
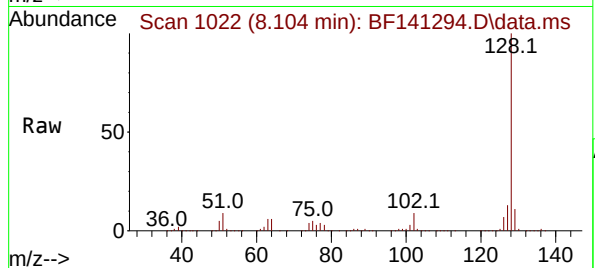
Tgt Ion:128 Resp: 1041107

Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

127 13.2 10.6 15.8



#32

Benzoic acid

Concen: 41.459 ng

RT: 7.845 min Scan# 978

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

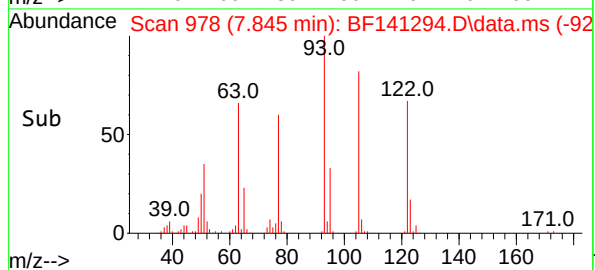
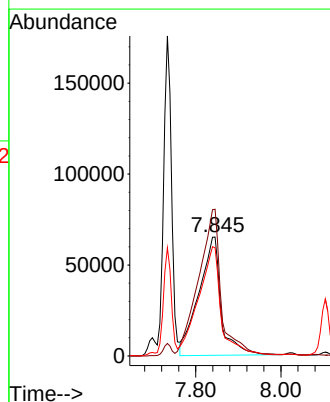
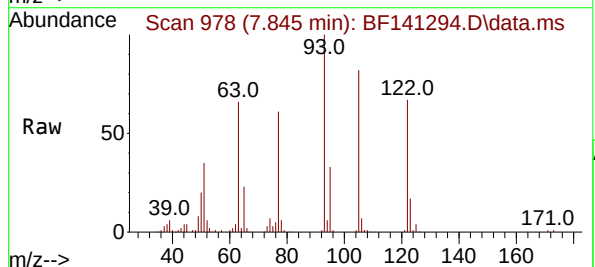
Tgt Ion:122 Resp: 235596

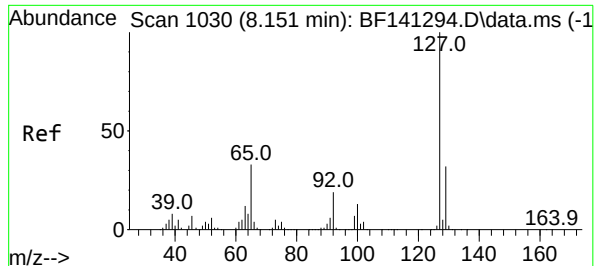
Ion Ratio Lower Upper

122 100

105 123.4 103.4 143.4

77 90.9 70.9 110.9

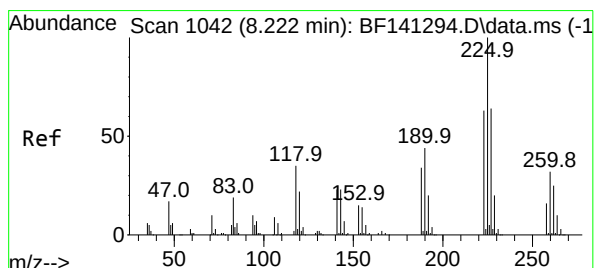
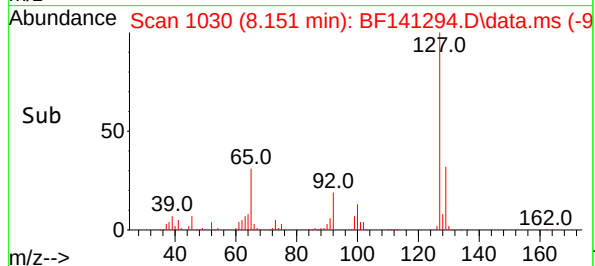
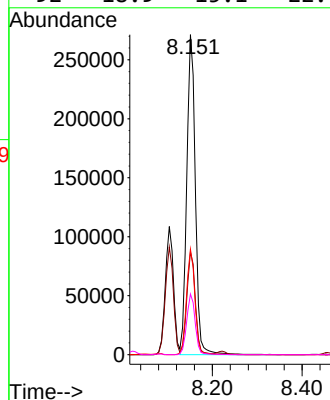
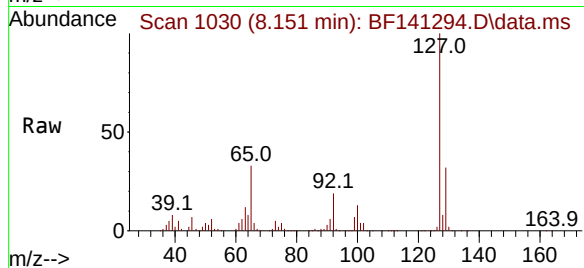




#33
4-Chloroaniline
Concen: 38.313 ng
RT: 8.151 min Scan# 1030
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

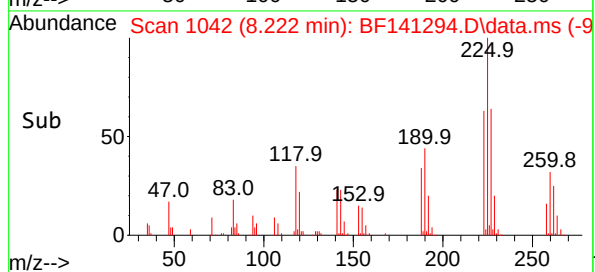
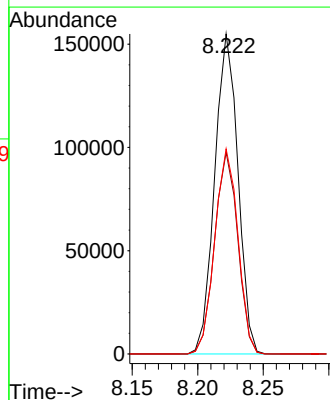
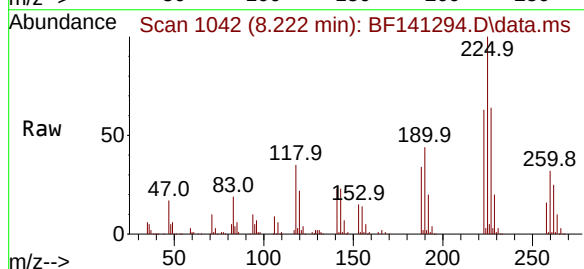
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

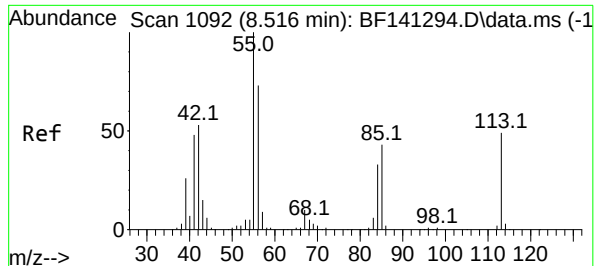
Tgt Ion:127	Resp: 361001
Ion Ratio	Lower Upper
127 100	
129 32.1	25.7 38.5
65 33.0	26.4 39.6
92 18.9	15.1 22.7



#34
Hexachlorobutadiene
Concen: 37.169 ng
RT: 8.222 min Scan# 1042
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:225	Resp: 190772
Ion Ratio	Lower Upper
225 100	
223 63.0	50.4 75.6
227 64.1	51.3 76.9

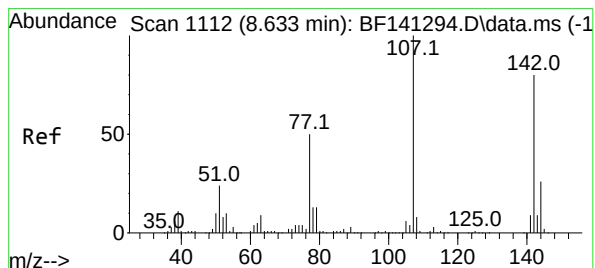
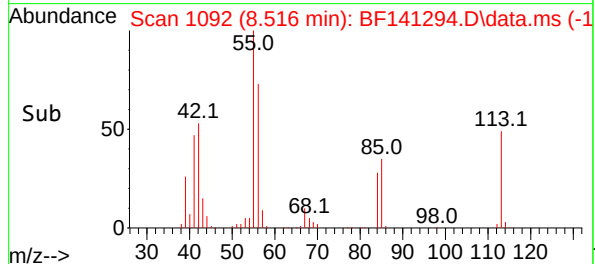
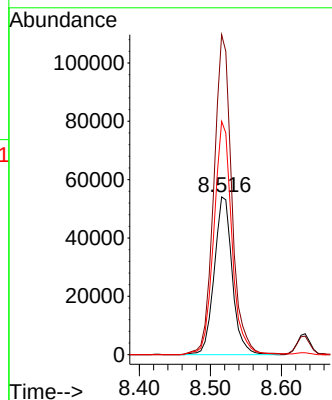
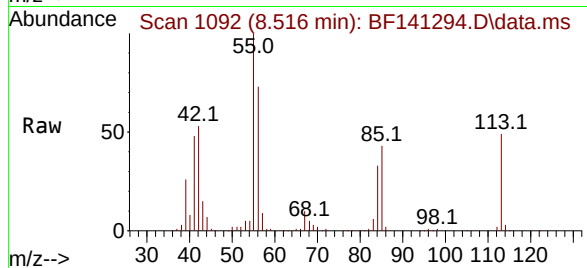




#35
Caprolactam
Concen: 38.342 ng
RT: 8.516 min Scan# 1092
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

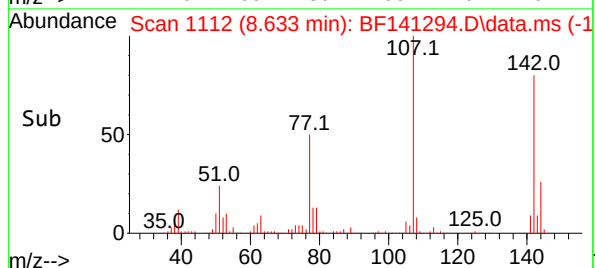
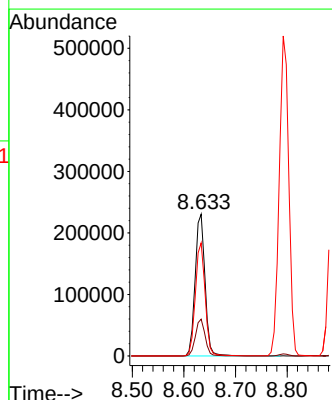
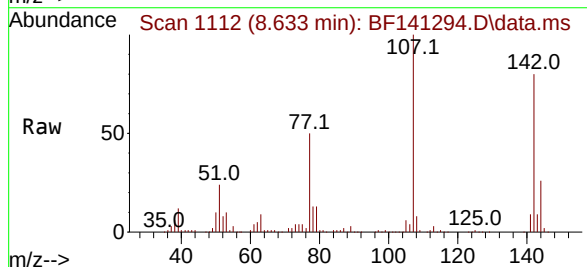
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

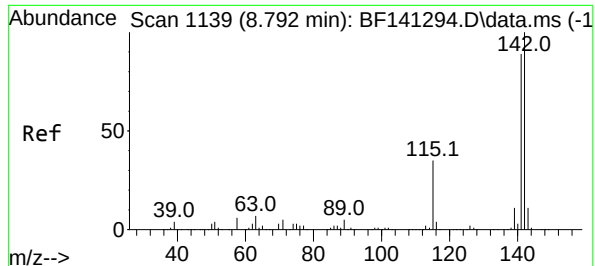
Tgt Ion:113 Resp: 94819
Ion Ratio Lower Upper
113 100
55 202.9 182.9 222.9
56 147.9 127.9 167.9



#36
4-Chloro-3-methylphenol
Concen: 37.262 ng
RT: 8.633 min Scan# 1112
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:107 Resp: 305768
Ion Ratio Lower Upper
107 100
144 25.9 20.7 31.1
142 79.8 63.8 95.8





#37

2-Methylnaphthalene

Concen: 37.286 ng

RT: 8.792 min Scan# 1139

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

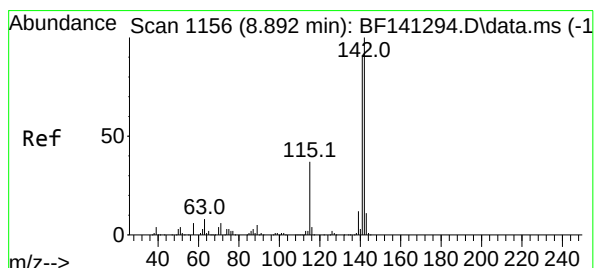
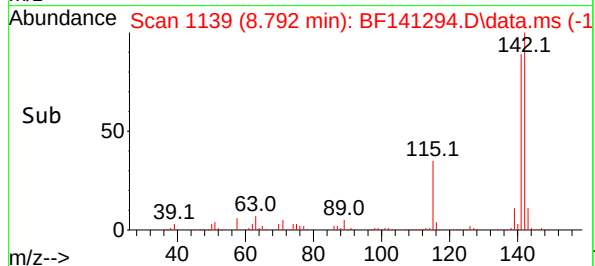
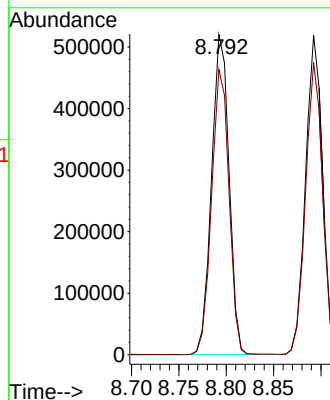
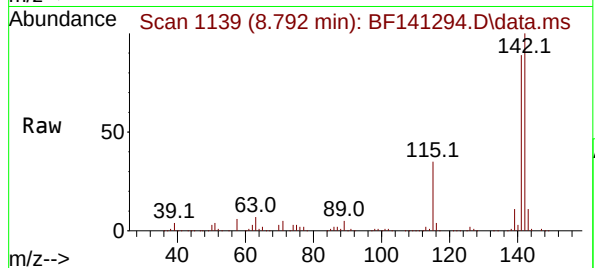
SSTDICCC040

Tgt Ion:142 Resp: 666038

Ion Ratio Lower Upper

142 100

141 89.1 71.3 106.9



#38

1-Methylnaphthalene

Concen: 36.938 ng

RT: 8.892 min Scan# 1156

Delta R.T. 0.000 min

Lab File: BF141294.D

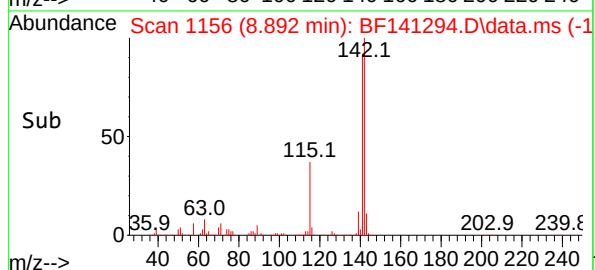
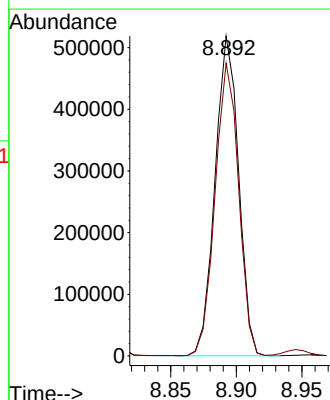
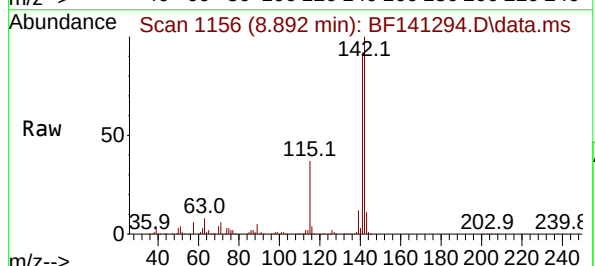
Acq: 29 Jan 2025 15:45

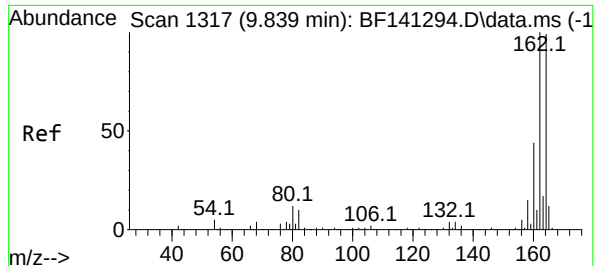
Tgt Ion:142 Resp: 646346

Ion Ratio Lower Upper

142 100

141 91.5 73.2 109.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.839 min Scan# 1167

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

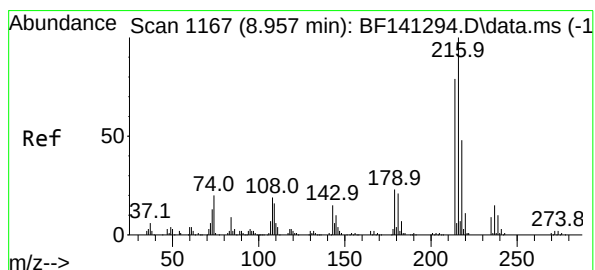
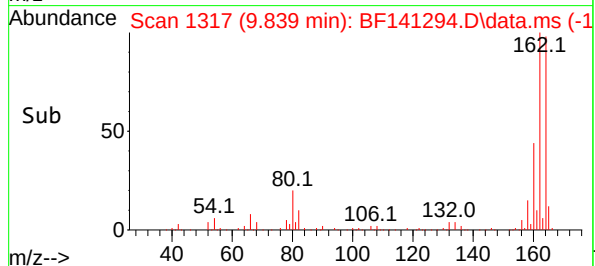
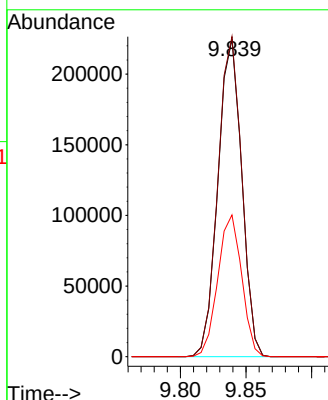
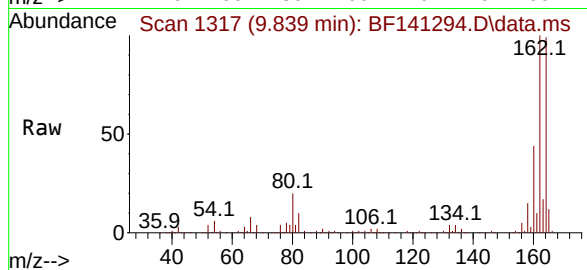
Tgt Ion:164 Resp: 282995

Ion Ratio Lower Upper

164 100

162 100.8 80.6 121.0

160 44.7 35.8 53.6



#40

1,2,4,5-Tetrachlorobenzene

Concen: 37.591 ng

RT: 8.957 min Scan# 1167

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Tgt Ion:216 Resp: 302471

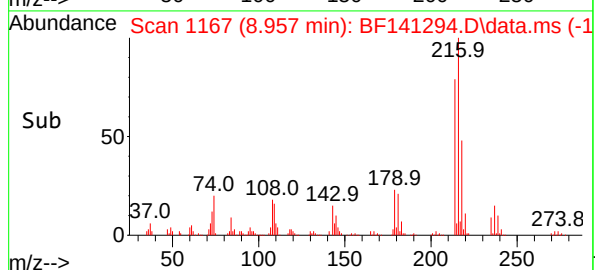
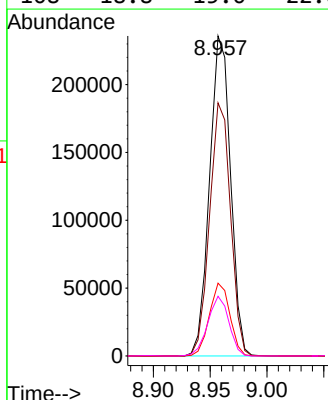
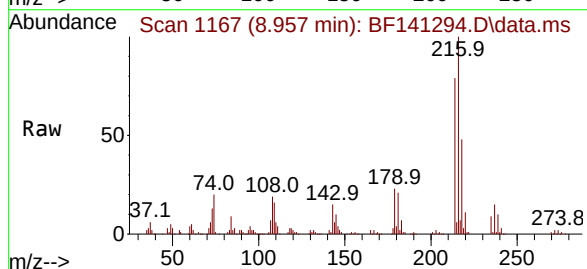
Ion Ratio Lower Upper

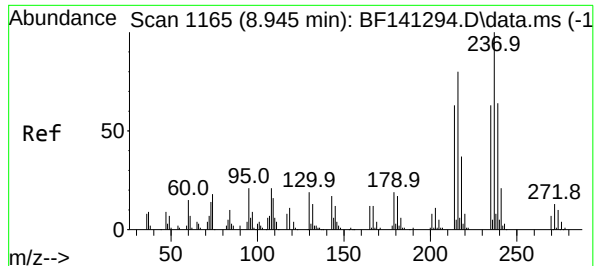
216 100

214 79.0 63.2 94.8

179 22.3 17.8 26.8

108 18.8 15.0 22.6

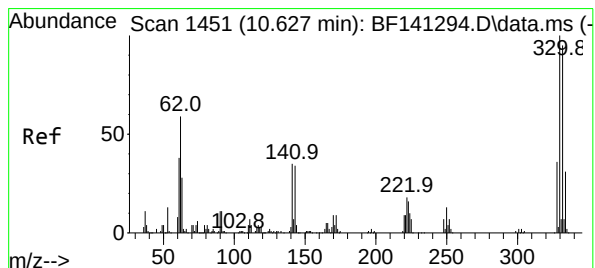
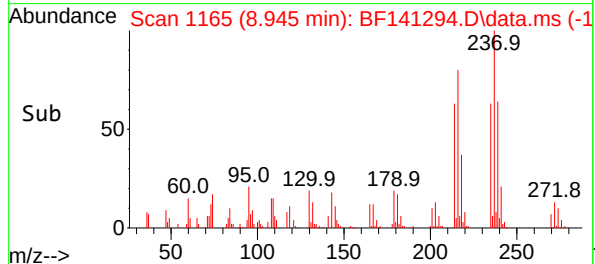
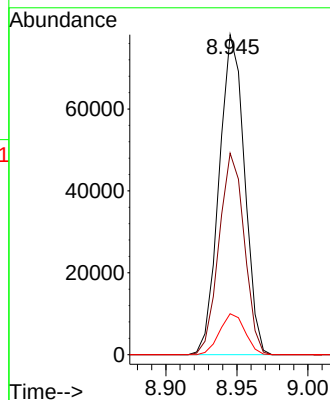
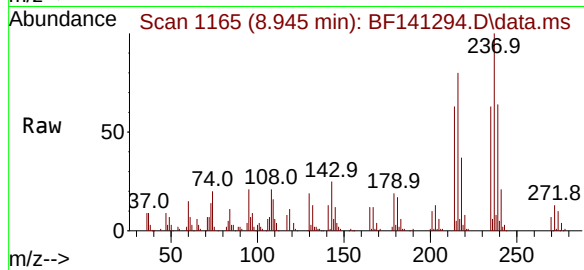




#41
Hexachlorocyclopentadiene
Concen: 40.295 ng
RT: 8.945 min Scan# 1165
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

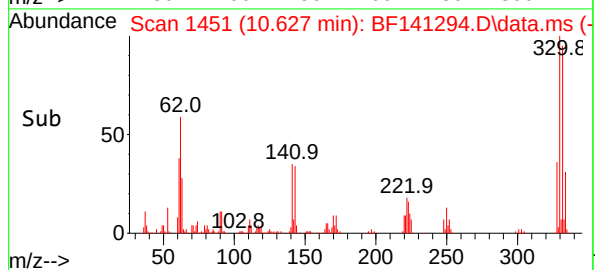
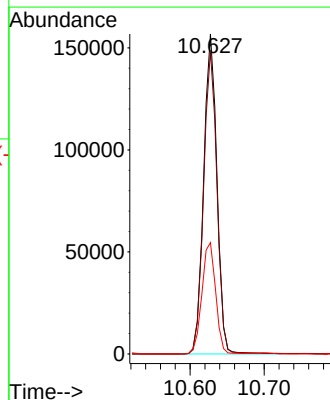
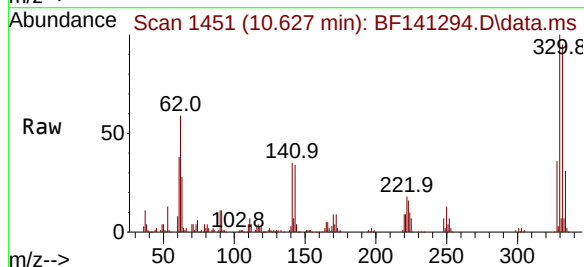
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

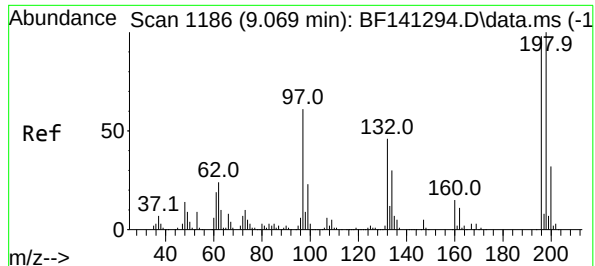
Tgt Ion	Ratio	Lower	Upper
237	100		
235	62.9	42.9	82.9
272	12.8	0.0	32.8



#42
2,4,6-Tribromophenol
Concen: 75.888 ng
RT: 10.627 min Scan# 1451
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.1	76.1	114.1
141	36.0	28.8	43.2





#43

2,4,6-Trichlorophenol

Concen: 39.181 ng

RT: 9.069 min Scan# 1186

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

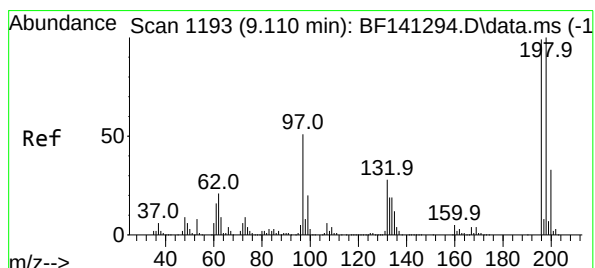
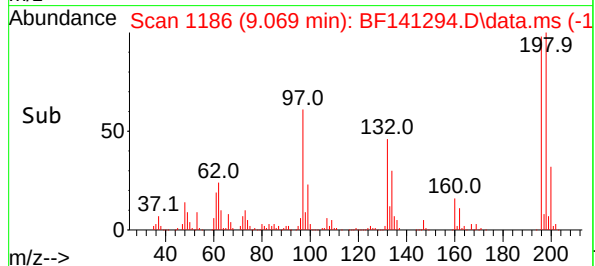
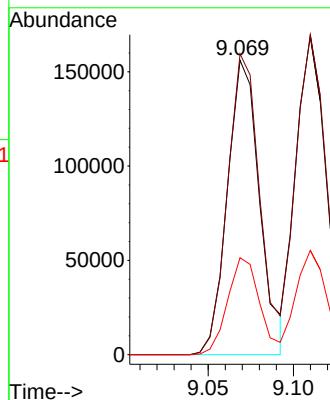
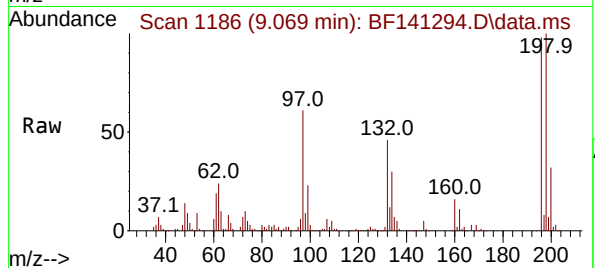
Tgt Ion:196 Resp: 205797

Ion Ratio Lower Upper

196 100

198 102.2 81.8 122.6

200 32.9 26.3 39.5



#44

2,4,5-Trichlorophenol

Concen: 37.346 ng

RT: 9.110 min Scan# 1193

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Tgt Ion:196 Resp: 213401

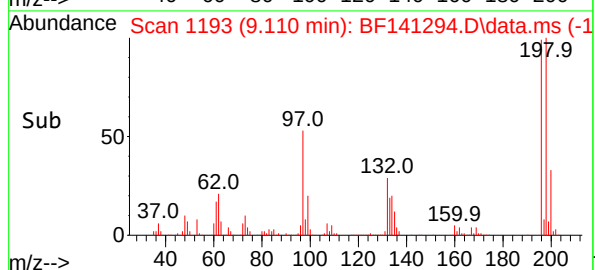
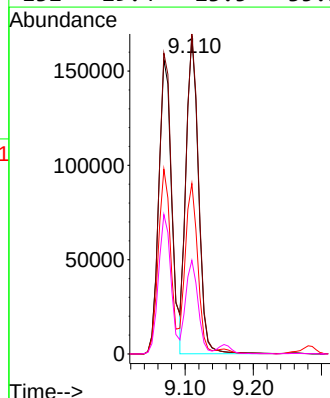
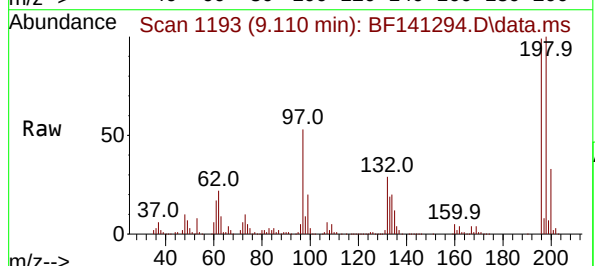
Ion Ratio Lower Upper

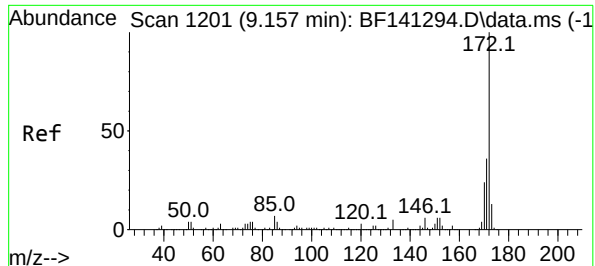
196 100

198 100.6 80.5 120.7

97 53.5 42.8 64.2

132 29.4 23.5 35.3





#45

2-Fluorobiphenyl

Concen: 73.029 ng

RT: 9.157 min Scan# 1201

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

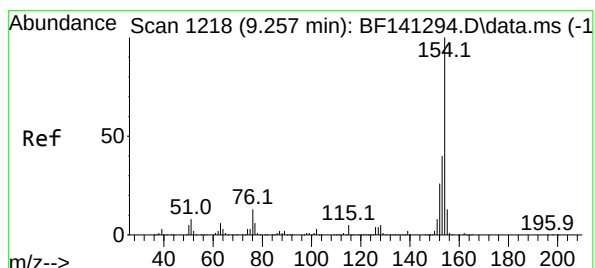
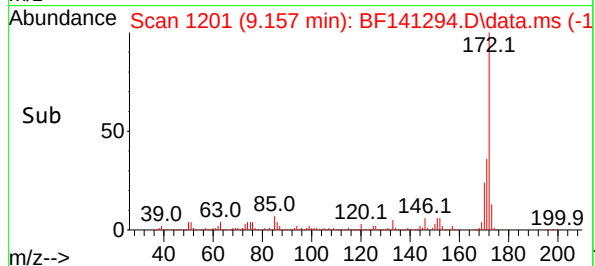
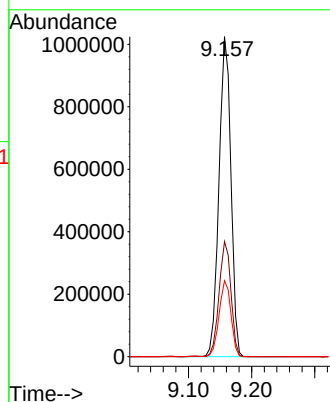
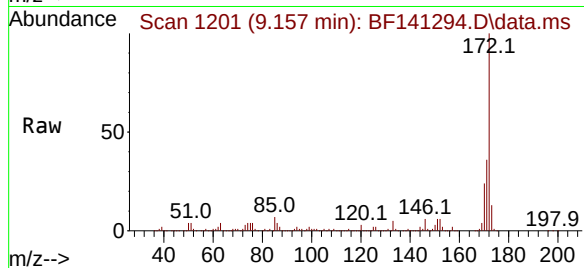
Tgt Ion:172 Resp: 1339709

Ion Ratio Lower Upper

172 100

171 36.0 28.8 43.2

170 23.8 19.0 28.6



#46

1,1'-Biphenyl

Concen: 37.278 ng

RT: 9.257 min Scan# 1218

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

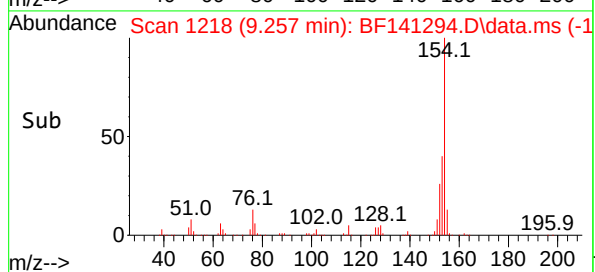
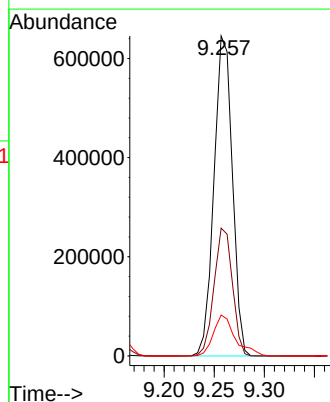
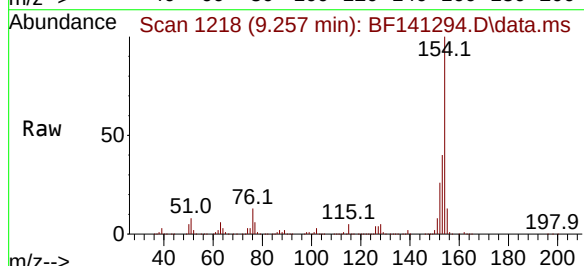
Tgt Ion:154 Resp: 823004

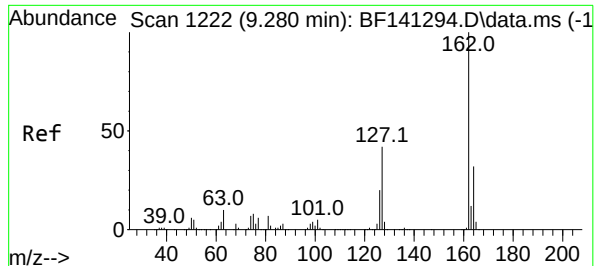
Ion Ratio Lower Upper

154 100

153 40.0 20.0 60.0

76 12.8 0.0 32.8





#47

2-Chloronaphthalene

Concen: 37.020 ng

RT: 9.280 min Scan# 1222

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

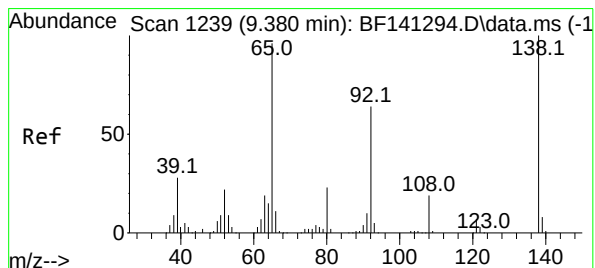
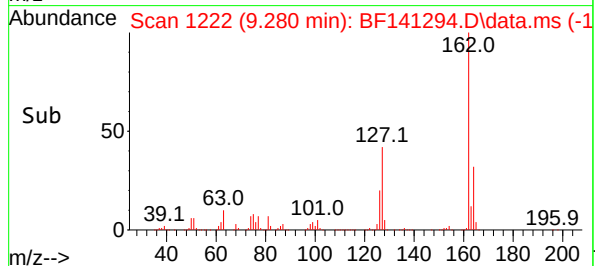
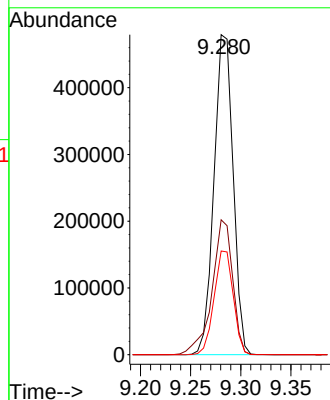
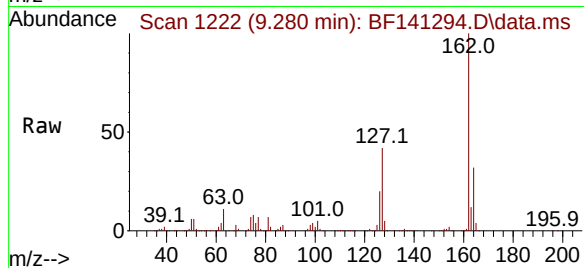
Tgt Ion:162 Resp: 634814

Ion Ratio Lower Upper

162 100

127 42.1 33.7 50.5

164 32.4 25.9 38.9



#48

2-Nitroaniline

Concen: 38.089 ng

RT: 9.380 min Scan# 1239

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

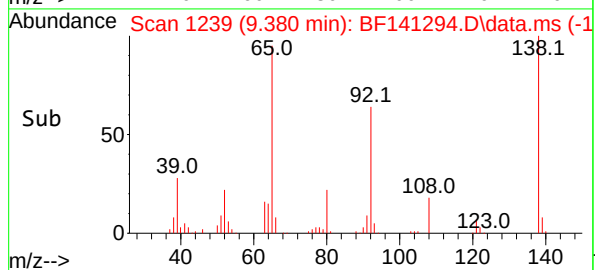
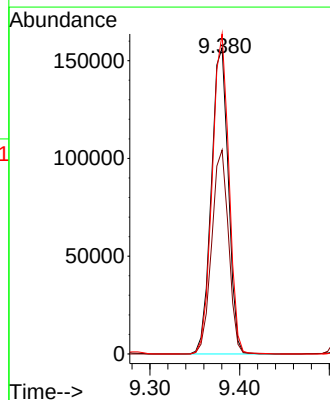
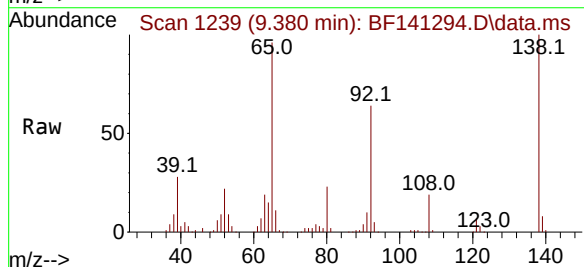
Tgt Ion: 65 Resp: 205997

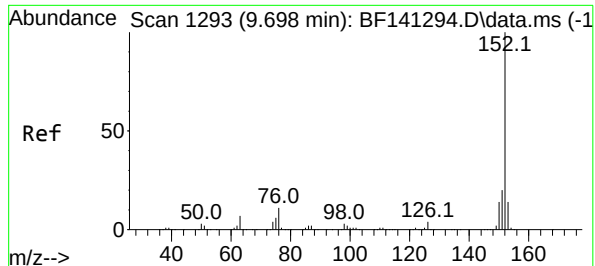
Ion Ratio Lower Upper

65 100

92 66.6 53.3 79.9

138 104.5 83.6 125.4





#49

Acenaphthylene

Concen: 37.483 ng

RT: 9.698 min Scan# 1293

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

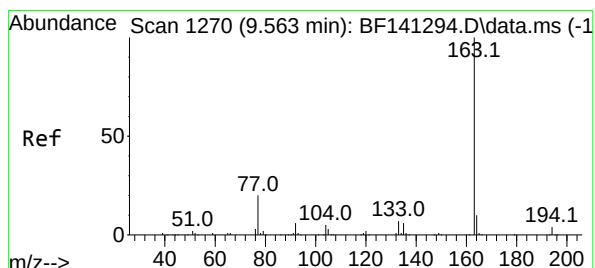
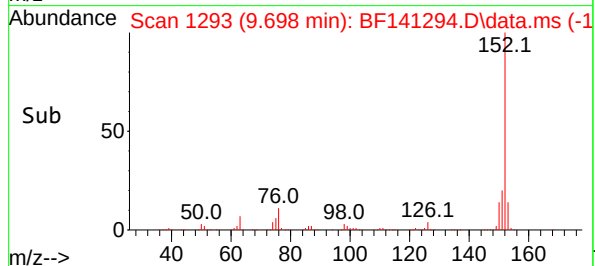
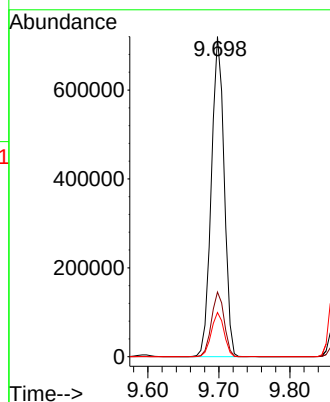
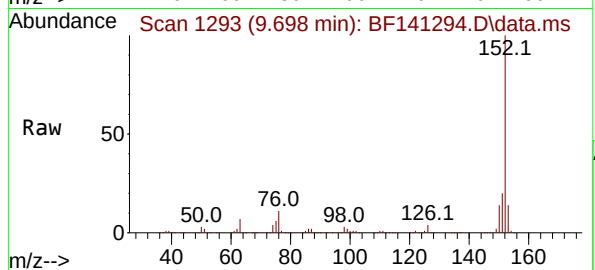
Tgt Ion:152 Resp: 902715

Ion Ratio Lower Upper

152 100

151 20.2 16.2 24.2

153 13.8 11.0 16.6



#50

Dimethylphthalate

Concen: 36.945 ng

RT: 9.563 min Scan# 1270

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

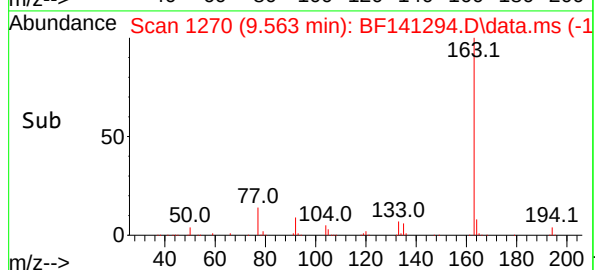
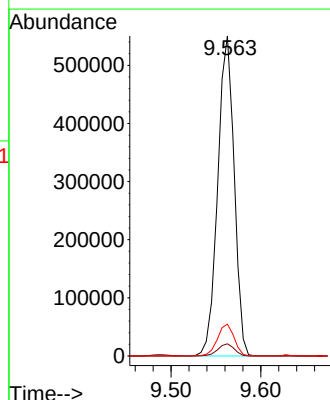
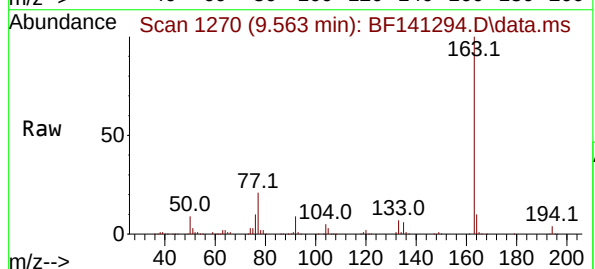
Tgt Ion:163 Resp: 701107

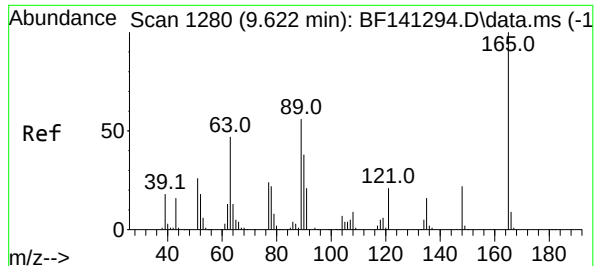
Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.6

164 10.0 8.0 12.0





#51

2,6-Dinitrotoluene

Concen: 37.909 ng

RT: 9.622 min Scan# 1280

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

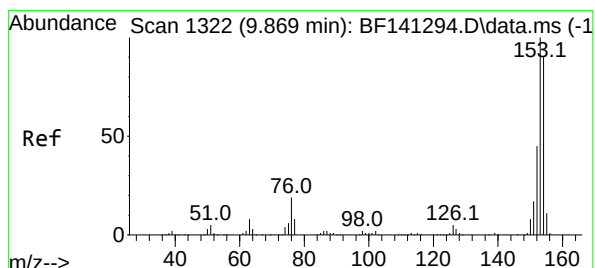
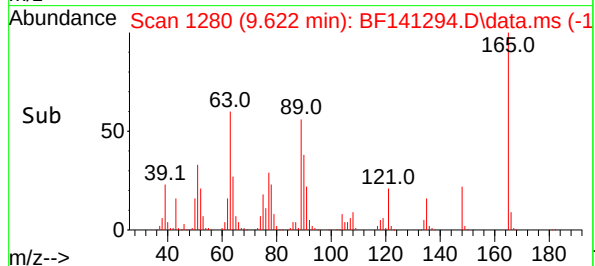
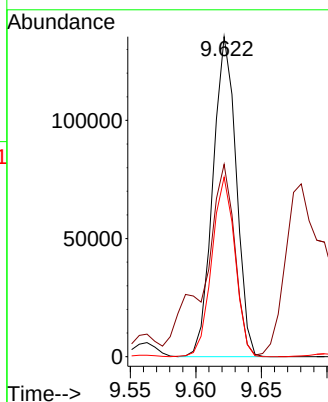
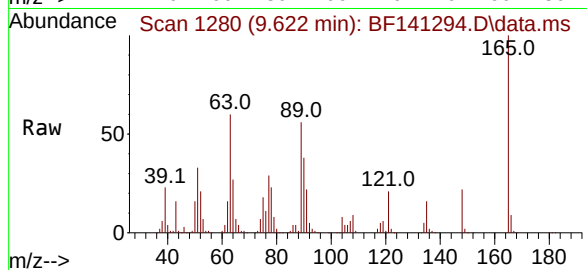
Tgt Ion:165 Resp: 167409

Ion Ratio Lower Upper

165 100

63 60.1 48.1 72.1

89 56.1 44.9 67.3



#52

Acenaphthene

Concen: 37.266 ng

RT: 9.869 min Scan# 1322

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

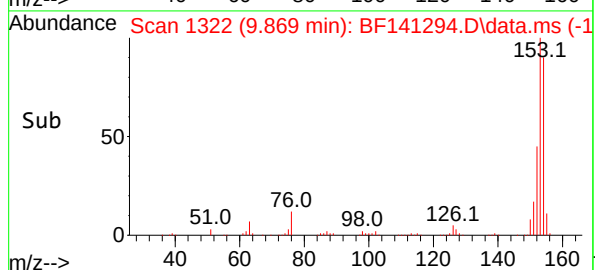
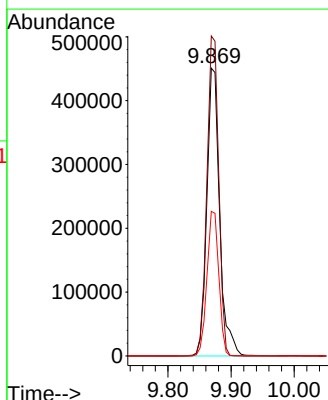
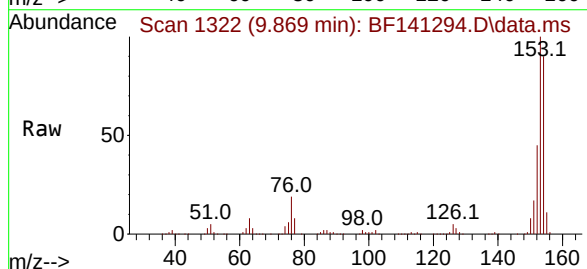
Tgt Ion:154 Resp: 638597

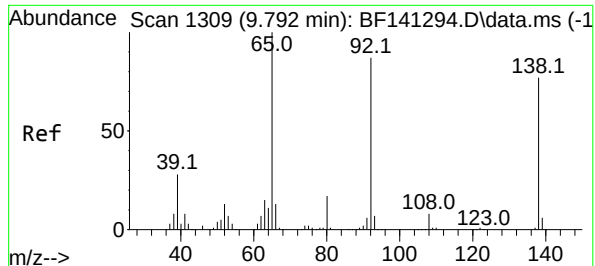
Ion Ratio Lower Upper

154 100

153 111.2 89.0 133.4

152 50.3 40.2 60.4

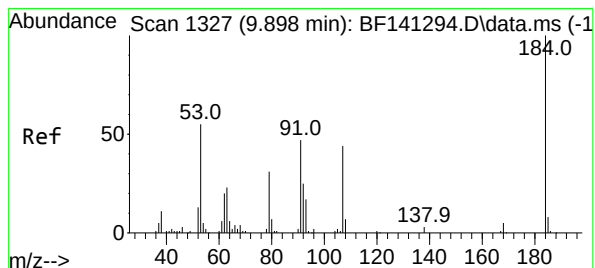
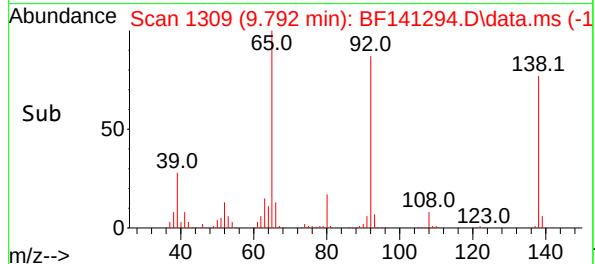
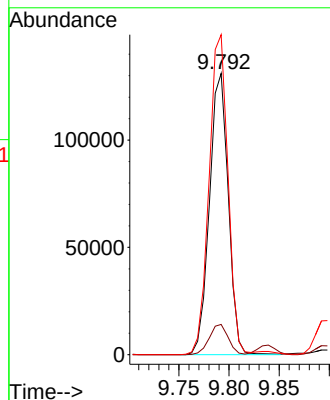
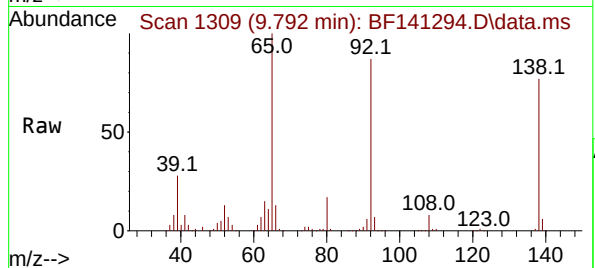




#53
3-Nitroaniline
Concen: 39.240 ng
RT: 9.792 min Scan# 1309
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

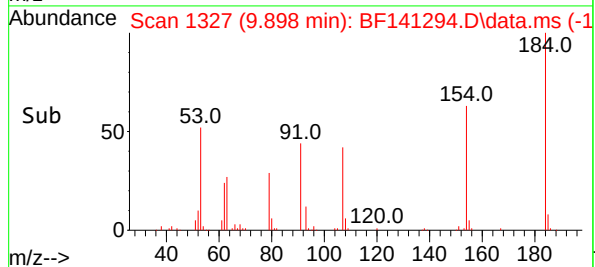
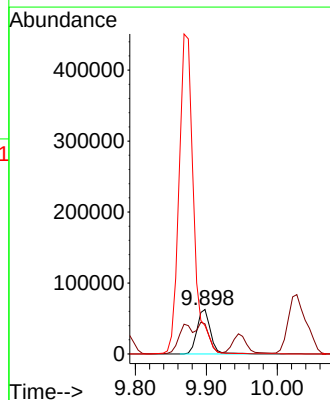
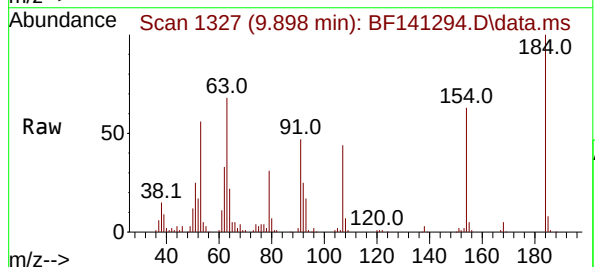
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

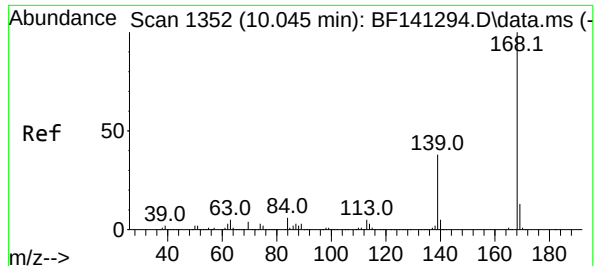
Tgt Ion:138 Resp: 171409
Ion Ratio Lower Upper
138 100
108 10.7 8.6 12.8
92 113.8 91.0 136.6



#54
2,4-Dinitrophenol
Concen: 40.011 ng
RT: 9.898 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:184 Resp: 83282
Ion Ratio Lower Upper
184 100
63 67.6 54.1 81.1
154 63.4 50.7 76.1





#55

Dibenzenofuran

Concen: 37.490 ng

RT: 10.045 min Scan# 1352

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

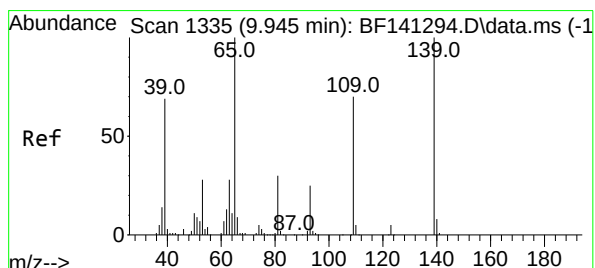
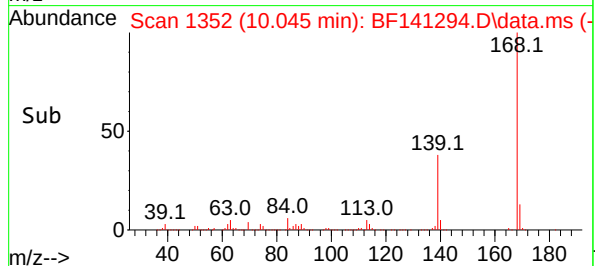
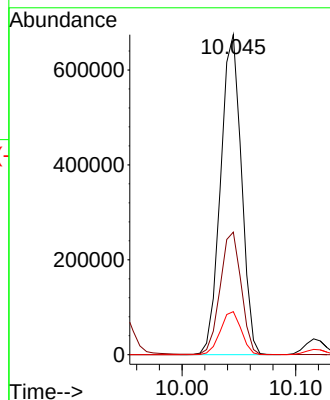
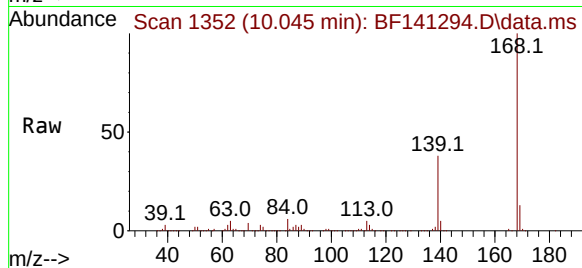
Tgt Ion:168 Resp: 859175

Ion Ratio Lower Upper

168 100

139 38.3 30.6 46.0

169 13.5 10.8 16.2



#56

4-Nitrophenol

Concen: 40.349 ng

RT: 9.945 min Scan# 1335

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

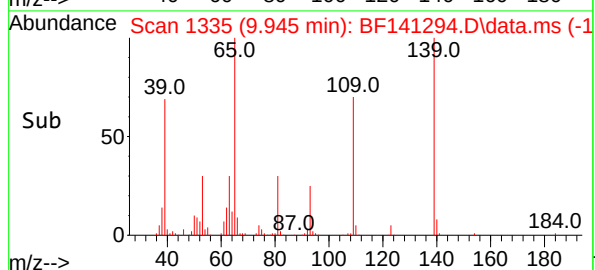
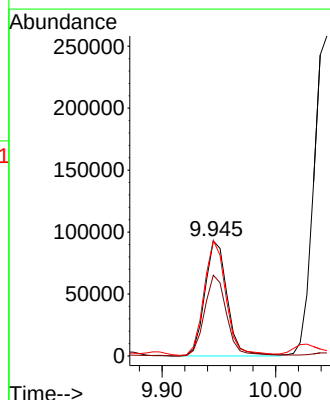
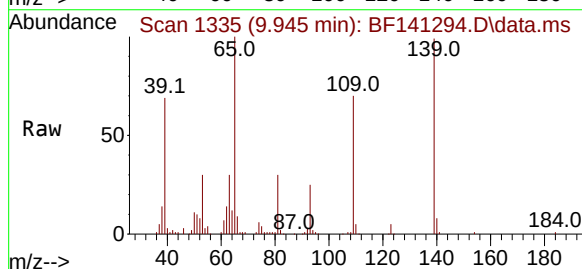
Tgt Ion:139 Resp: 126536

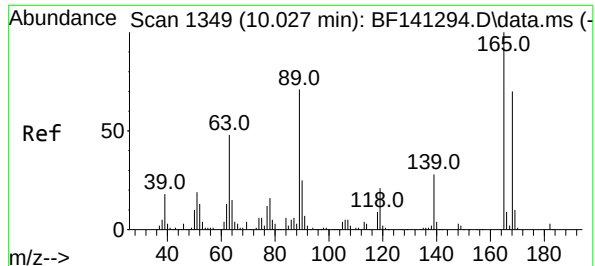
Ion Ratio Lower Upper

139 100

109 70.2 50.2 90.2

65 100.6 80.6 120.6

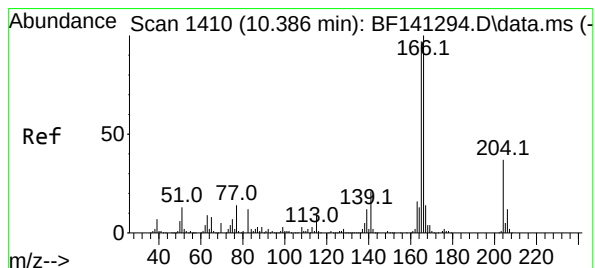
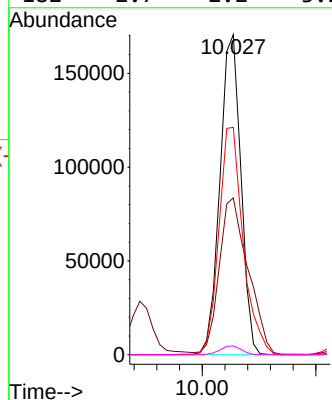
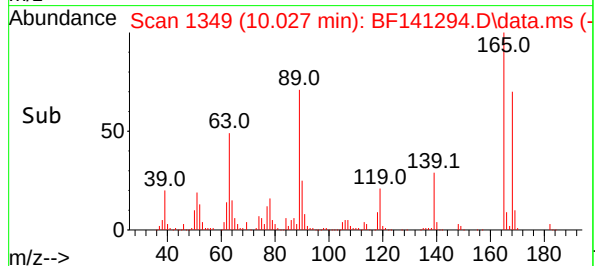
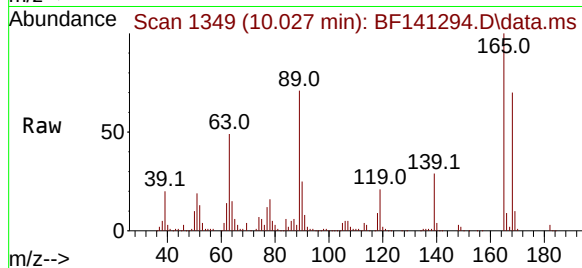




#57
2,4-Dinitrotoluene
Concen: 38.382 ng
RT: 10.027 min Scan# 1349
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

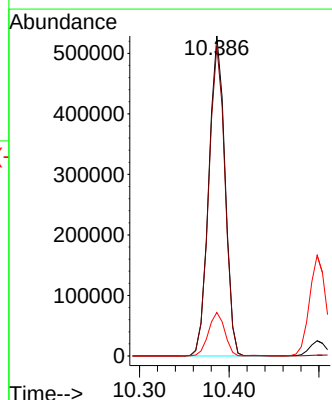
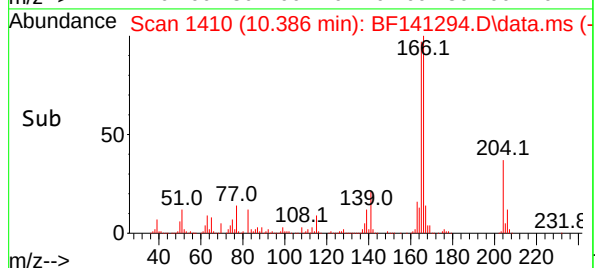
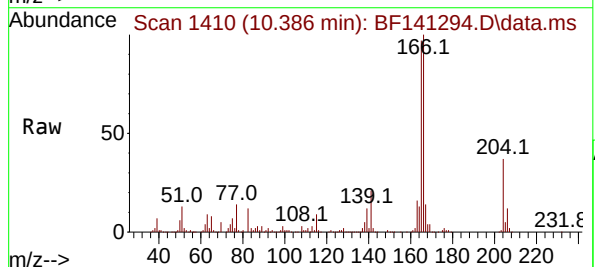
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

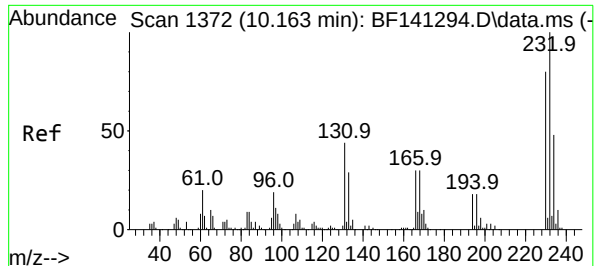
Tgt Ion:165 Resp: 218627
Ion Ratio Lower Upper
165 100
63 49.0 39.2 58.8
89 71.1 56.9 85.3
182 2.7 2.2 3.2



#58
Fluorene
Concen: 37.076 ng
RT: 10.386 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:166 Resp: 660612
Ion Ratio Lower Upper
166 100
165 96.9 77.5 116.3
167 13.6 10.9 16.3

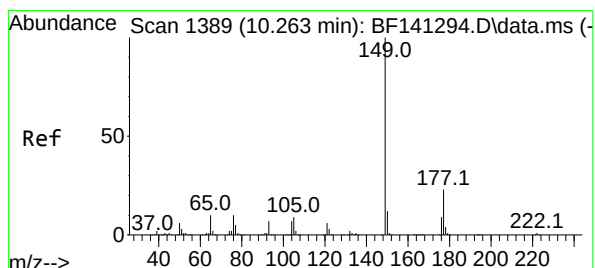
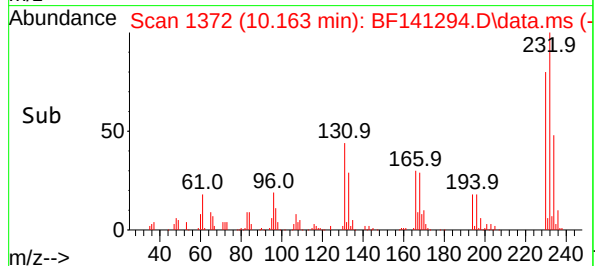
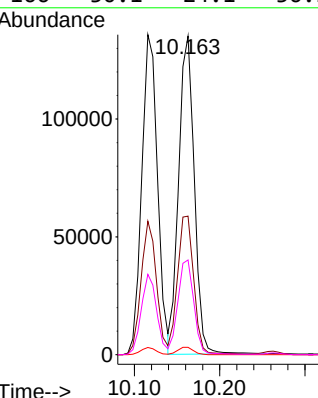
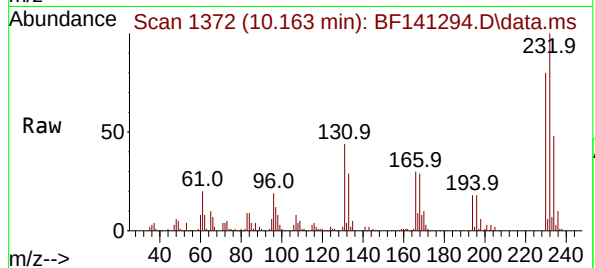




#59
2,3,4,6-Tetrachlorophenol
Concen: 38.138 ng
RT: 10.163 min Scan# 1372
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

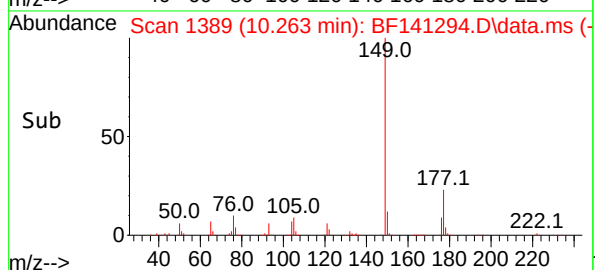
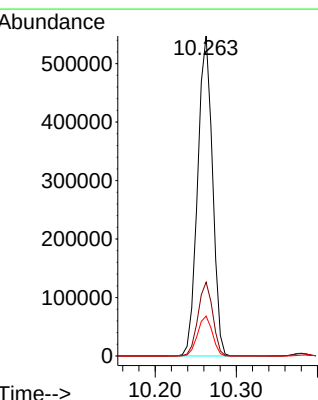
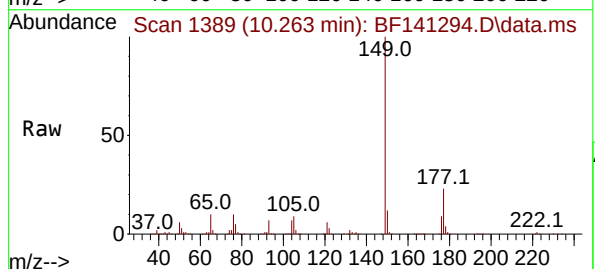
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

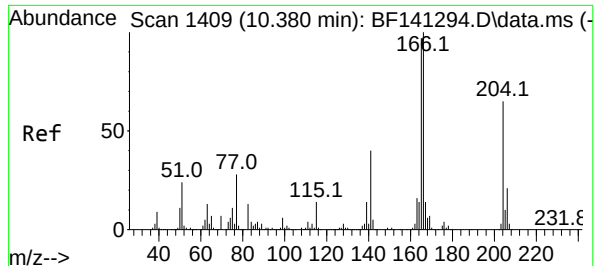
Tgt Ion:232 Resp: 172174
Ion Ratio Lower Upper
232 100
131 45.5 36.4 54.6
130 2.4 1.9 2.9
166 30.1 24.1 36.1



#60
Diethylphthalate
Concen: 37.710 ng
RT: 10.263 min Scan# 1389
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:149 Resp: 693066
Ion Ratio Lower Upper
149 100
177 23.1 18.5 27.7
150 12.5 10.0 15.0

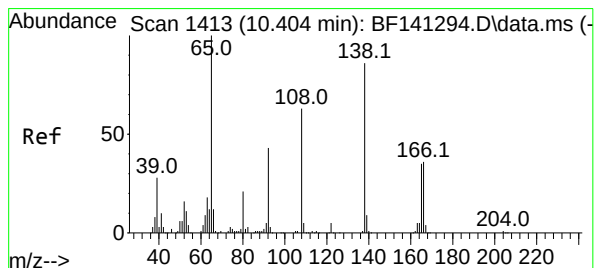
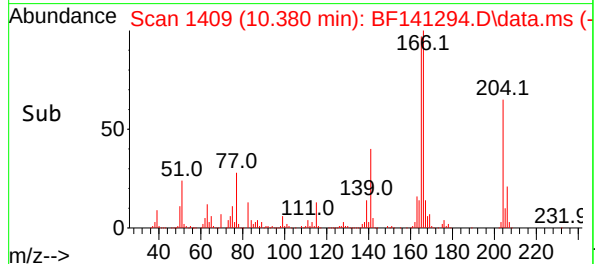
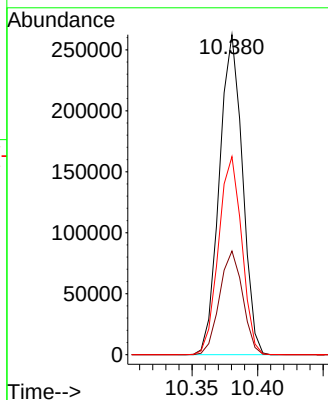
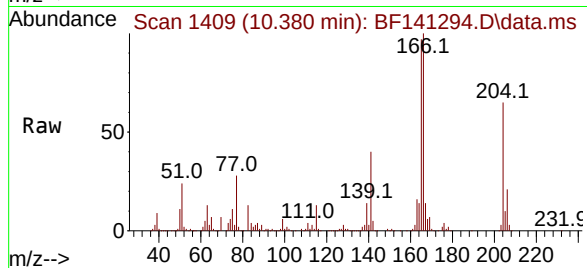




#61
4-Chlorophenyl-phenylether
Concen: 36.929 ng
RT: 10.380 min Scan# 1409
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

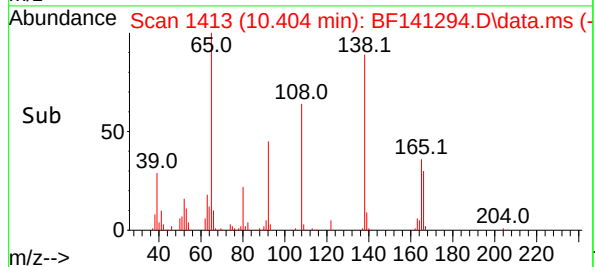
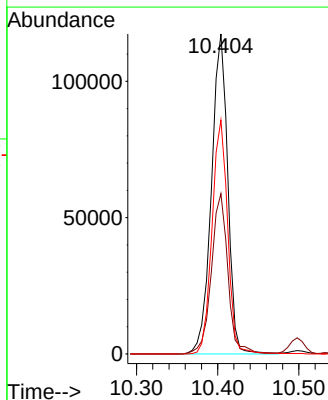
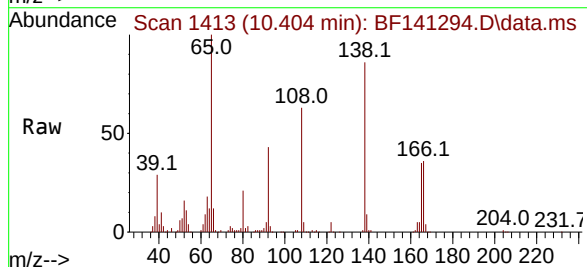
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

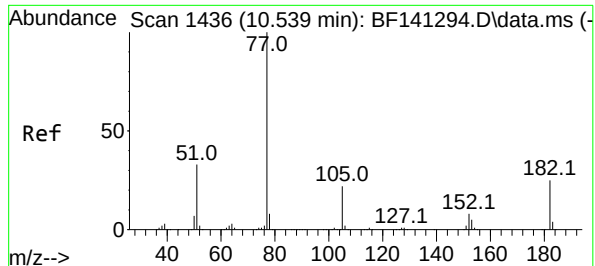
Tgt Ion:204 Resp: 321112
Ion Ratio Lower Upper
204 100
206 32.4 25.9 38.9
141 61.9 49.5 74.3



#62
4-Nitroaniline
Concen: 39.120 ng
RT: 10.404 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:138 Resp: 164154
Ion Ratio Lower Upper
138 100
92 50.1 30.1 70.1
108 73.1 53.1 93.1

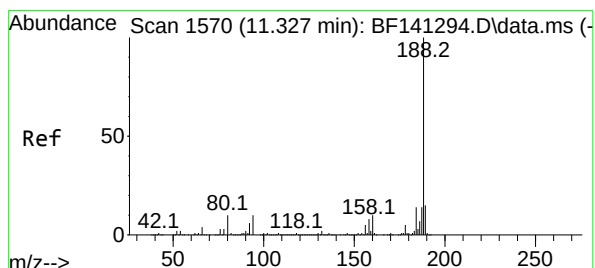
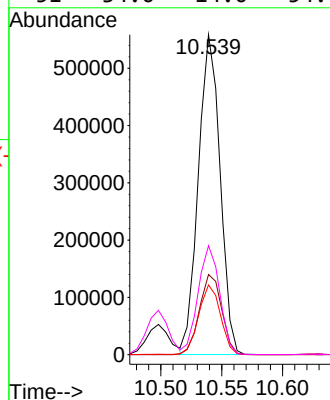
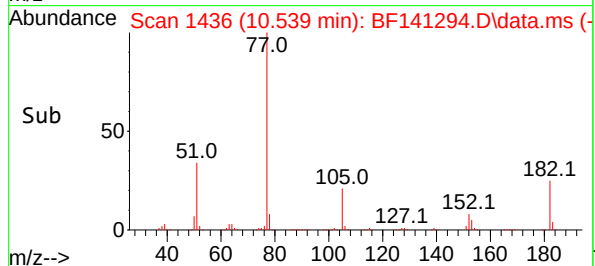
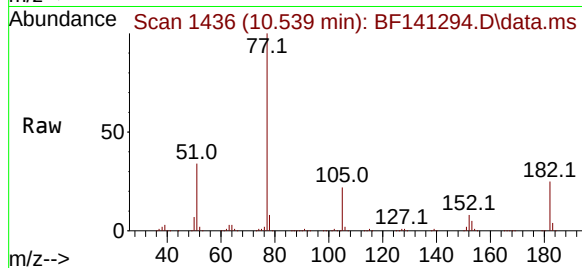




#63
Azobenzene
Concen: 37.621 ng
RT: 10.539 min Scan# 1436
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

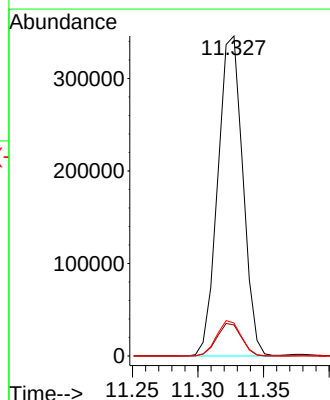
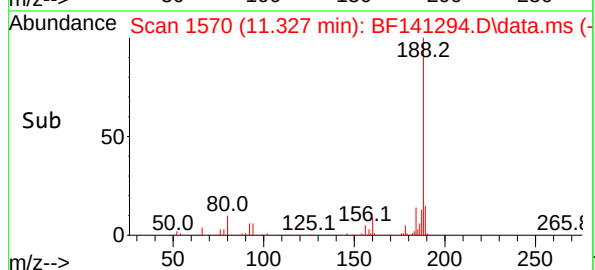
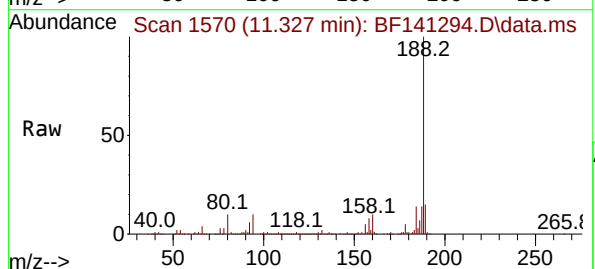
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

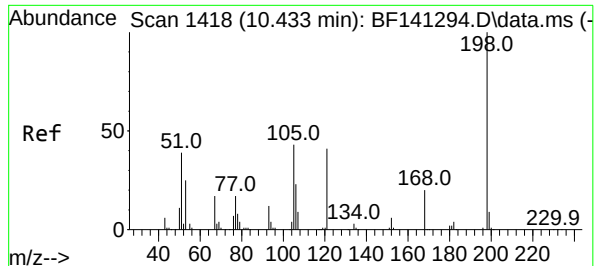
Tgt Ion:	77	Resp:	693050
Ion	Ratio	Lower	Upper
77	100		
182	25.1	5.1	45.1
105	21.8	1.8	41.8
51	34.0	14.0	54.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:	188	Resp:	458392
Ion	Ratio	Lower	Upper
188	100		
94	9.7	7.8	11.6
80	10.3	8.2	12.4

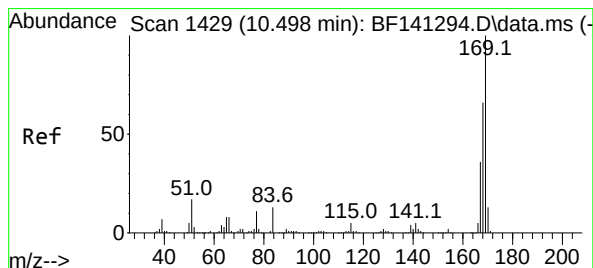
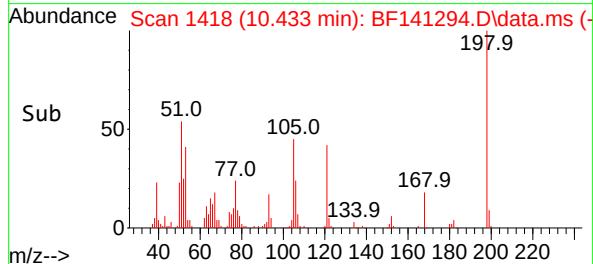
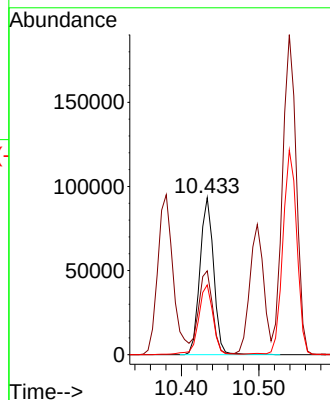
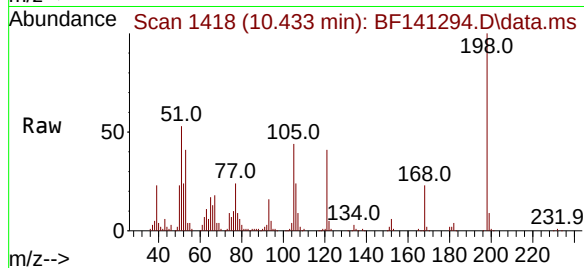




#65
4,6-Dinitro-2-methylphenol
Concen: 41.914 ng
RT: 10.433 min Scan# 1418
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

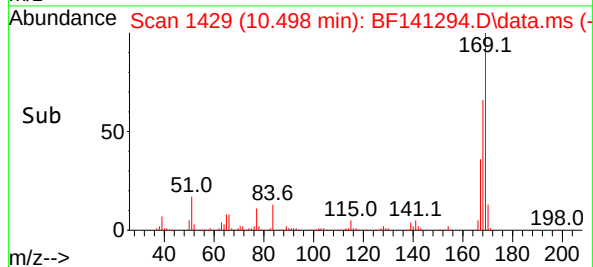
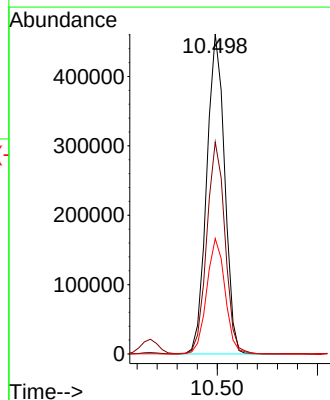
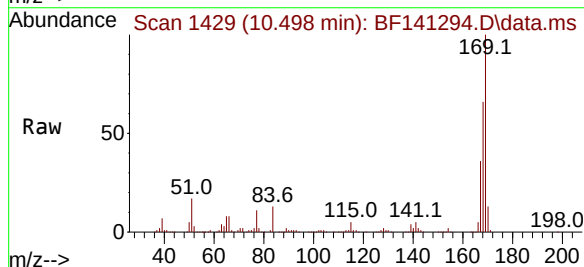
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

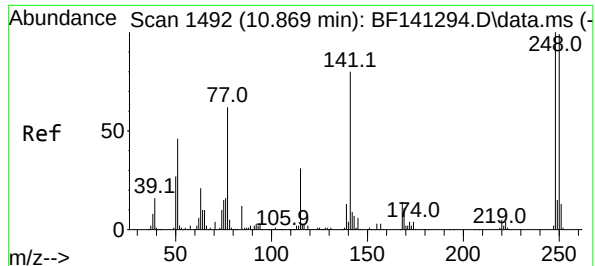
Tgt Ion	Ratio	Lower	Upper
198	100		
51	53.4	33.4	73.4
105	44.4	24.4	64.4



#66
n-Nitrosodiphenylamine
Concen: 38.602 ng
RT: 10.498 min Scan# 1429
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion	Ratio	Lower	Upper
169	100		
168	66.2	53.0	79.4
167	36.0	28.8	43.2

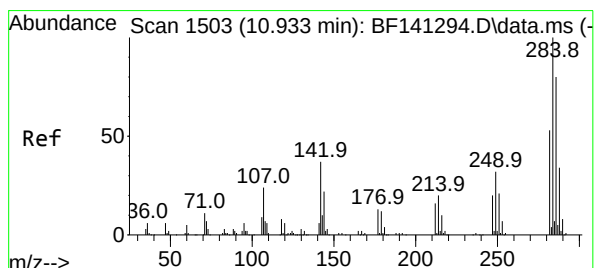
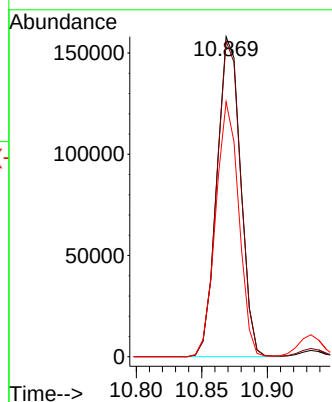
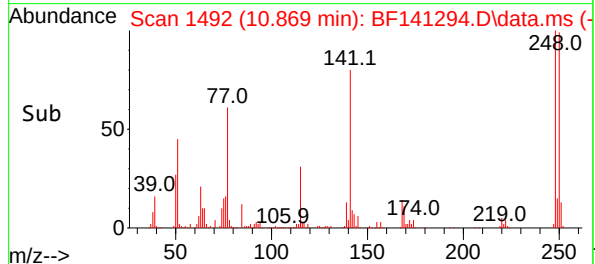
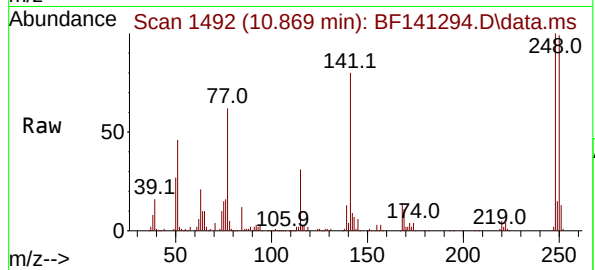




#67
4-Bromophenyl-phenylether
Concen: 38.815 ng
RT: 10.869 min Scan# 1492
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

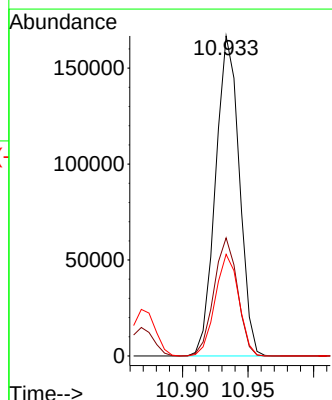
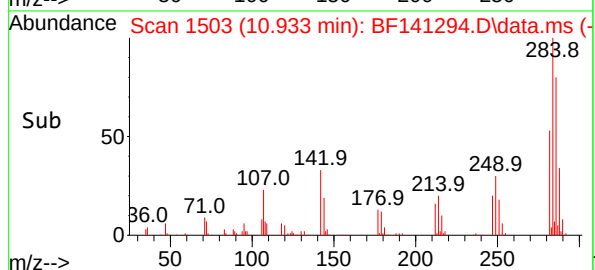
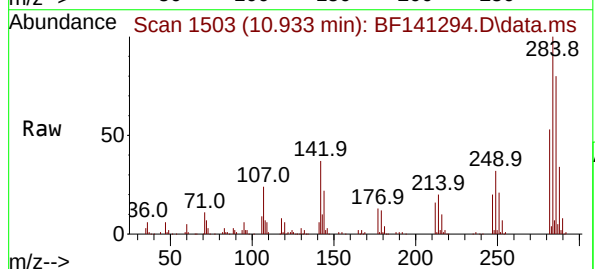
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

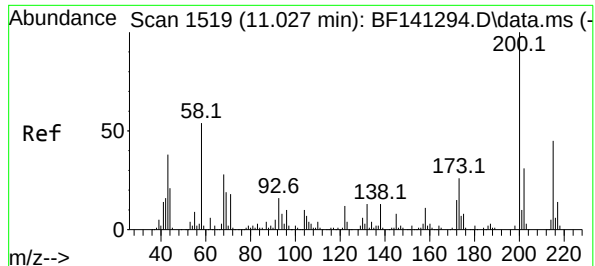
Tgt Ion:248 Resp: 198895
Ion Ratio Lower Upper
248 100
250 98.7 79.0 118.4
141 79.6 63.7 95.5



#68
Hexachlorobenzene
Concen: 38.586 ng
RT: 10.933 min Scan# 1503
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:284 Resp: 209735
Ion Ratio Lower Upper
284 100
142 36.9 29.5 44.3
249 31.8 25.4 38.2

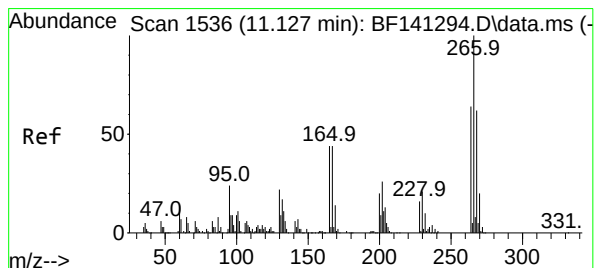
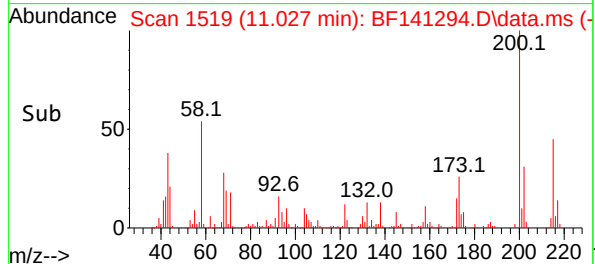
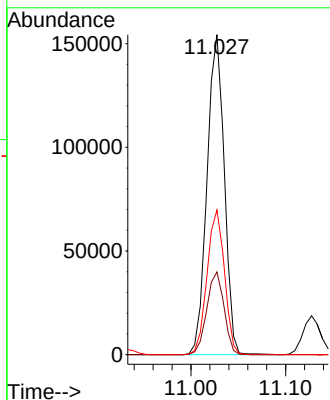
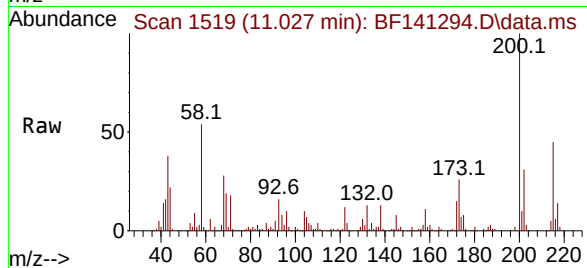




#69
Atrazine
Concen: 39.131 ng
RT: 11.027 min Scan# 1519
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

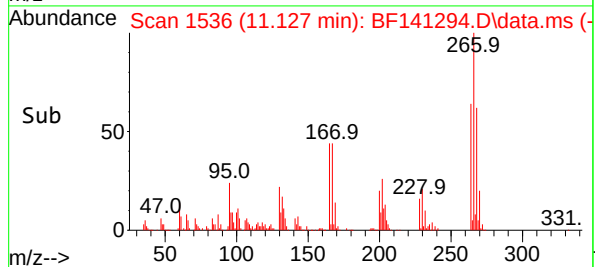
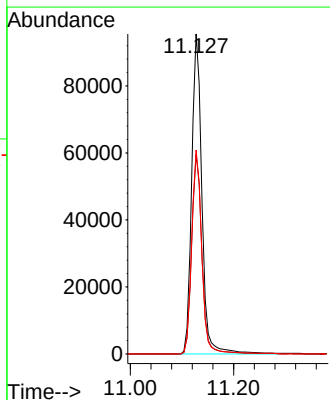
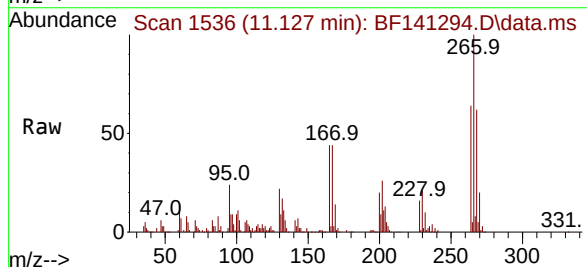
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

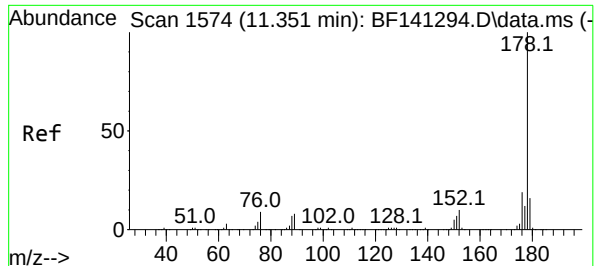
Tgt Ion:200 Resp: 195062
Ion Ratio Lower Upper
200 100
173 25.9 5.9 45.9
215 45.2 25.2 65.2



#70
Pentachlorophenol
Concen: 41.196 ng
RT: 11.127 min Scan# 1536
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:266 Resp: 131295
Ion Ratio Lower Upper
266 100
268 62.4 49.9 74.9
264 63.7 51.0 76.4

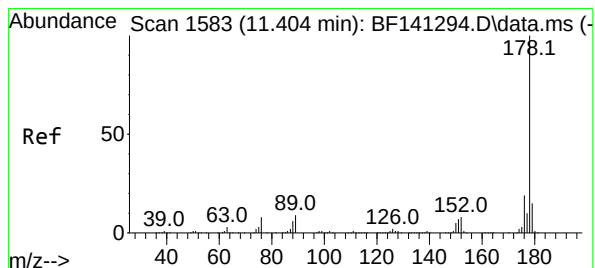
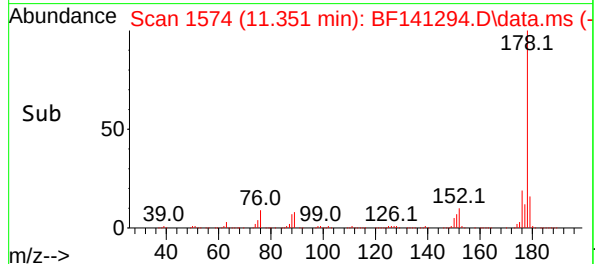
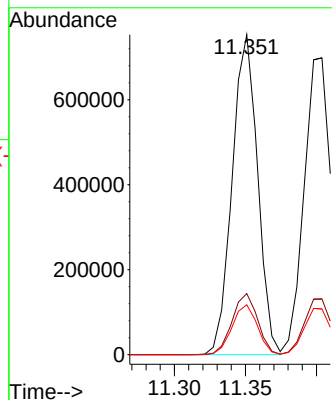
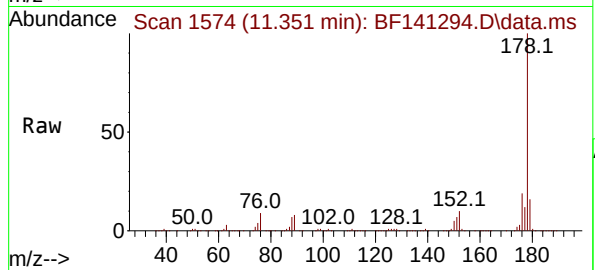




#71
Phenanthrene
Concen: 38.175 ng
RT: 11.351 min Scan# 1574
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

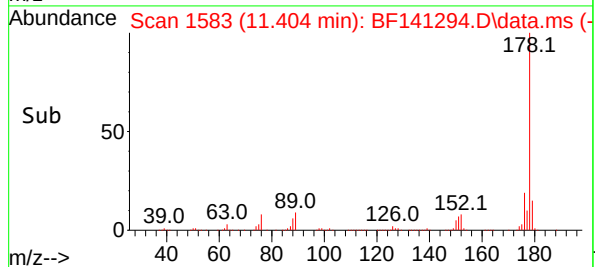
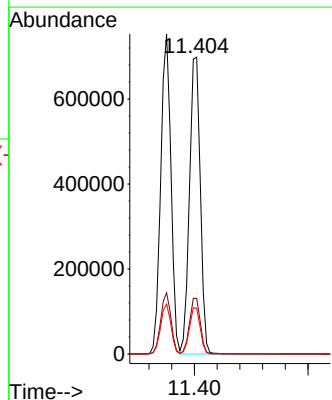
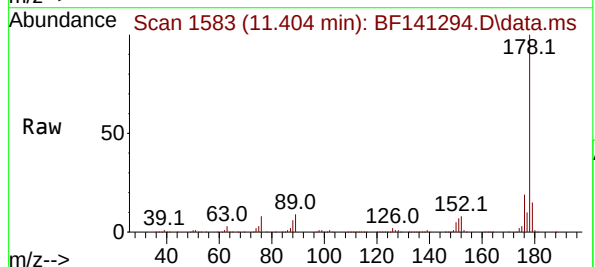
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

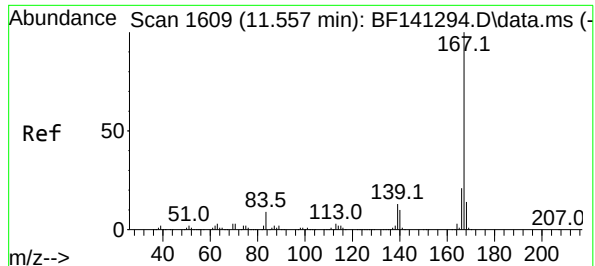
Tgt Ion:178 Resp: 940021
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.6 12.5 18.7



#72
Anthracene
Concen: 38.521 ng
RT: 11.404 min Scan# 1583
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:178 Resp: 925244
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.6
179 15.4 12.3 18.5

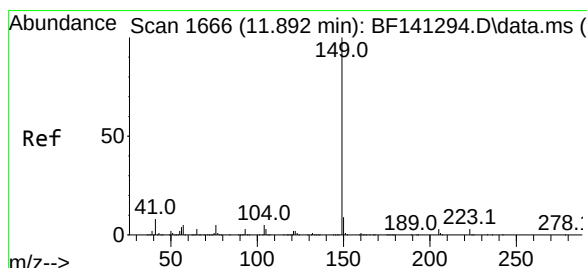
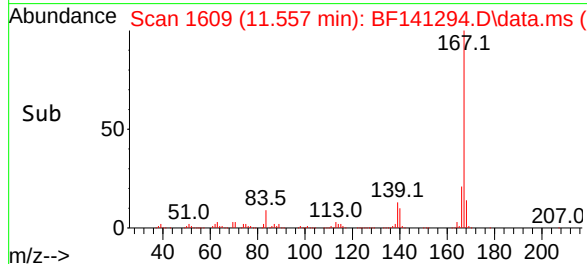
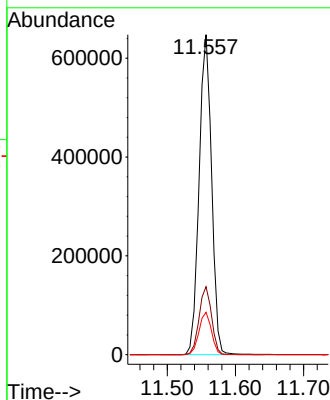
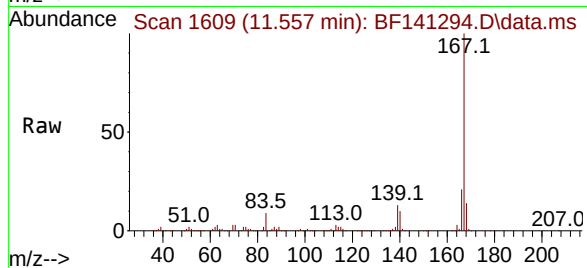




#73
Carbazole
Concen: 38.735 ng
RT: 11.557 min Scan# 1609
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

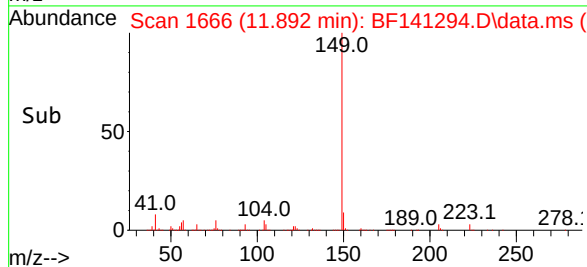
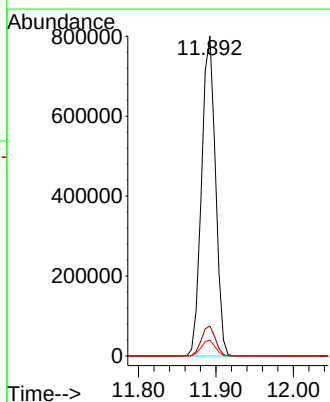
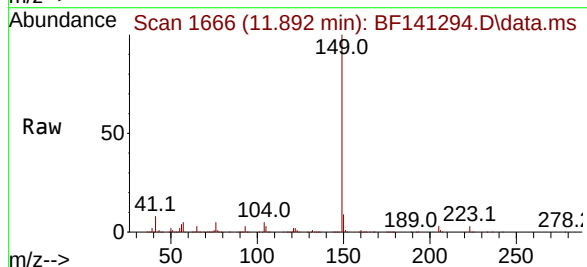
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

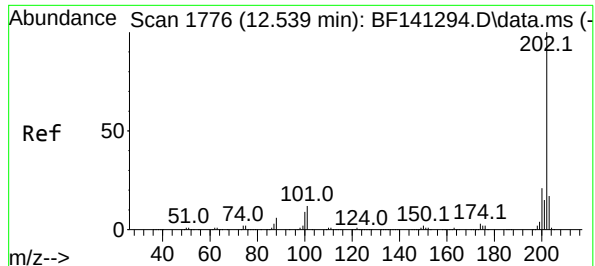
Tgt Ion:167 Resp: 824095
Ion Ratio Lower Upper
167 100
166 21.3 17.0 25.6
139 13.3 10.6 16.0



#74
Di-n-butylphthalate
Concen: 38.805 ng
RT: 11.892 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:149 Resp: 995172
Ion Ratio Lower Upper
149 100
150 9.3 7.4 11.2
104 4.9 3.9 5.9

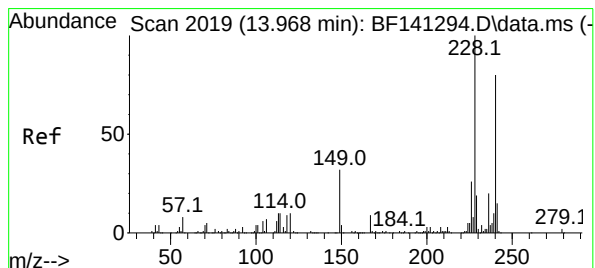
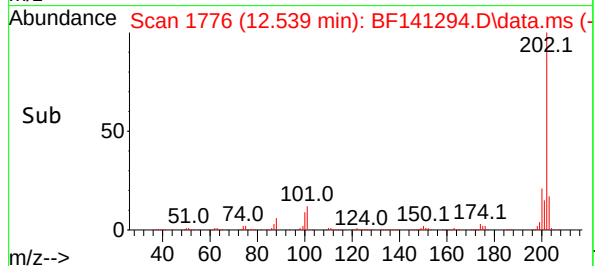
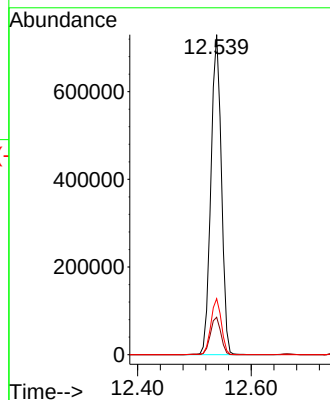
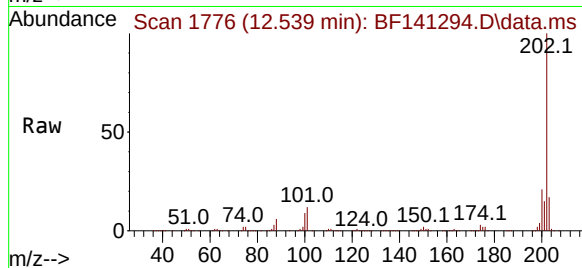




#75
Fluoranthene
Concen: 38.650 ng
RT: 12.539 min Scan# 1776
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

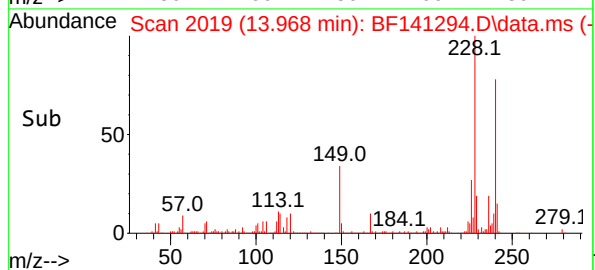
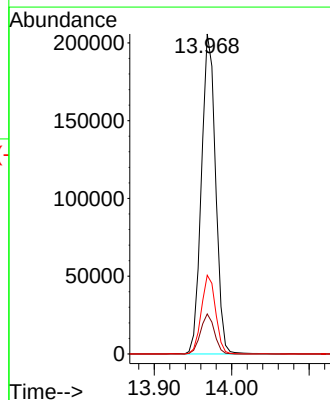
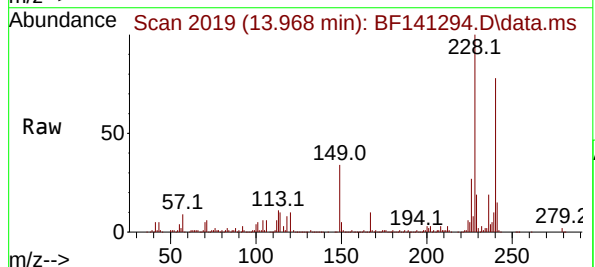
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

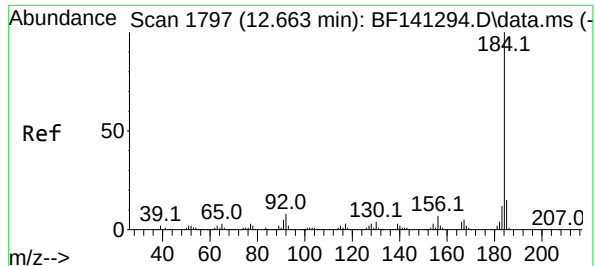
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	31.7
203	17.5	0.0	37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.5	10.0	15.0
236	24.6	19.7	29.5





#77

Benzidine

Concen: 48.034 ng

RT: 12.663 min Scan# 1797

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

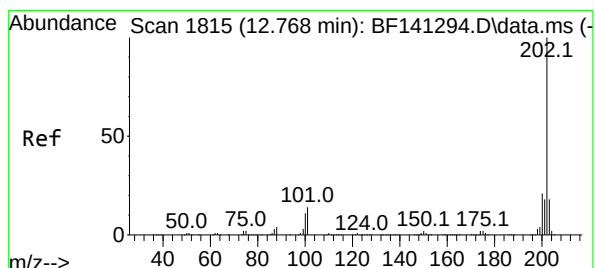
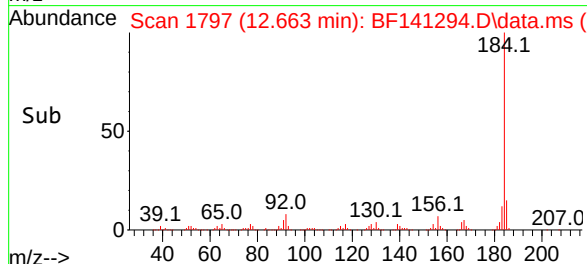
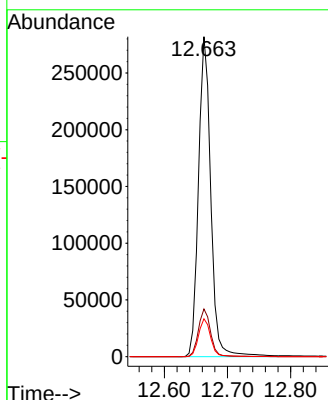
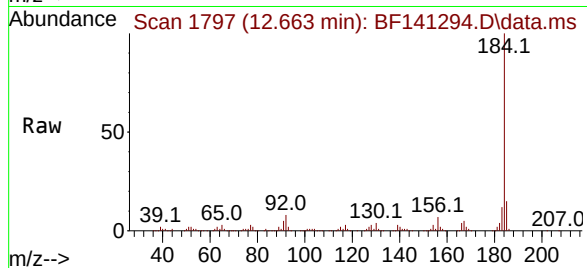
Tgt Ion:184 Resp: 380623

Ion Ratio Lower Upper

184 100

185 14.9 11.9 17.9

183 11.9 9.5 14.3



#78

Pyrene

Concen: 36.333 ng

RT: 12.768 min Scan# 1815

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

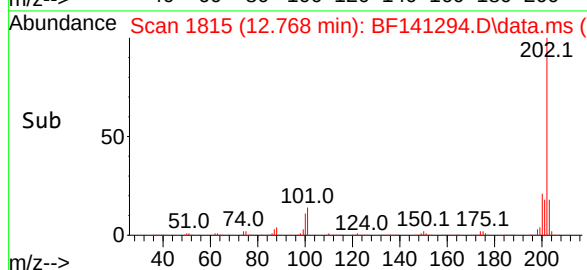
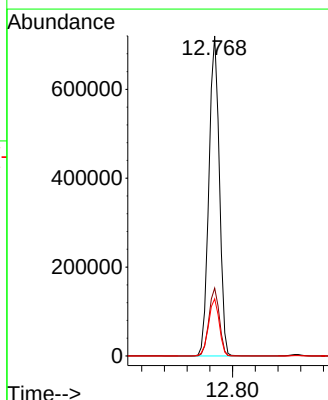
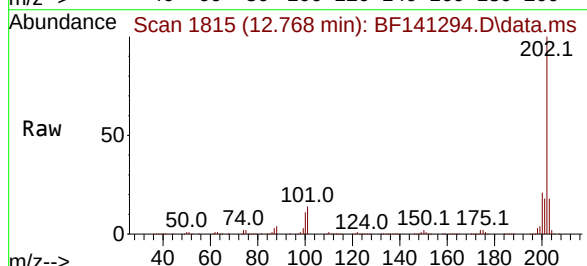
Tgt Ion:202 Resp: 914205

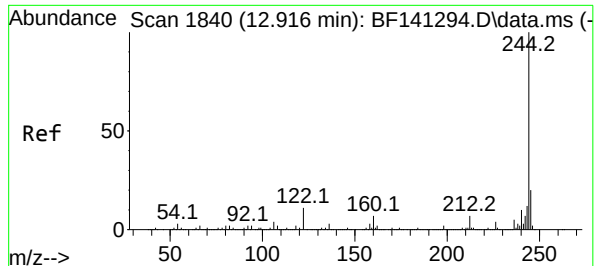
Ion Ratio Lower Upper

202 100

200 21.2 17.0 25.4

203 17.9 14.3 21.5





#79

Terphenyl-d14

Concen: 72.802 ng

RT: 12.916 min Scan# 1840

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

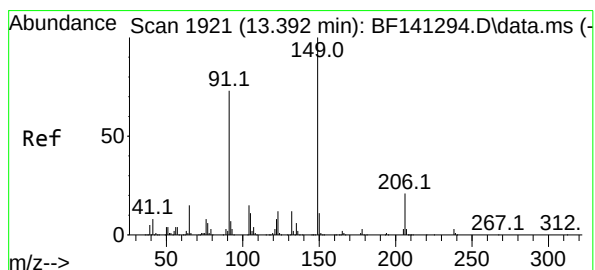
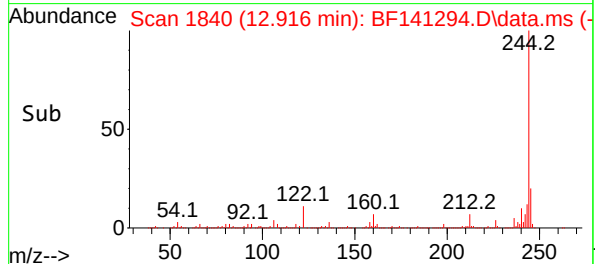
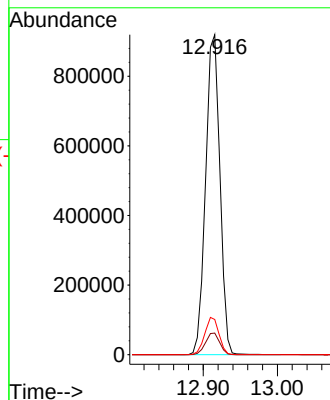
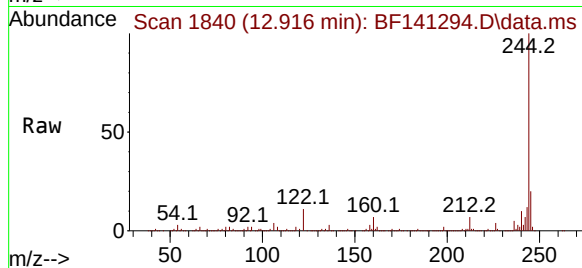
BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:244 Resp: 1232977

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	11.0	8.8	13.2



#80

Butylbenzylphthalate

Concen: 37.532 ng

RT: 13.392 min Scan# 1921

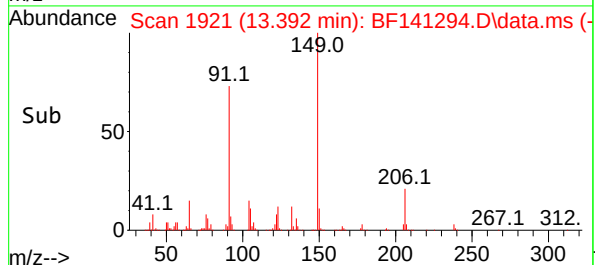
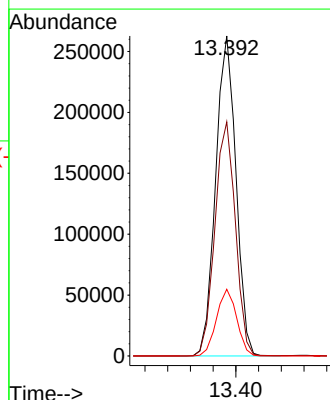
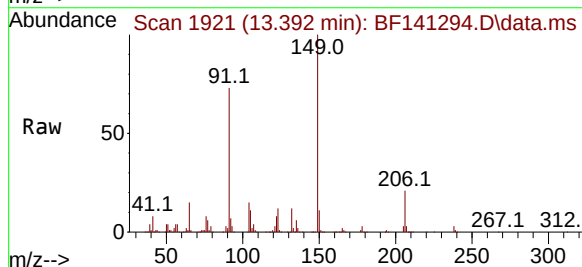
Delta R.T. 0.000 min

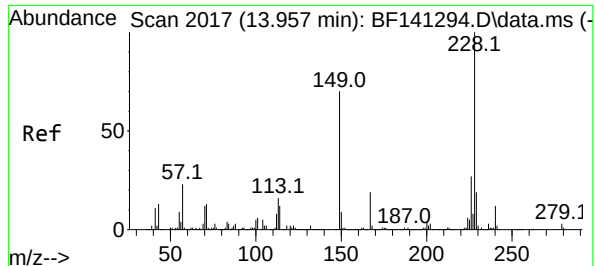
Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Tgt Ion:149 Resp: 326158

Ion	Ratio	Lower	Upper
149	100		
91	73.2	58.6	87.8
206	20.9	16.7	25.1

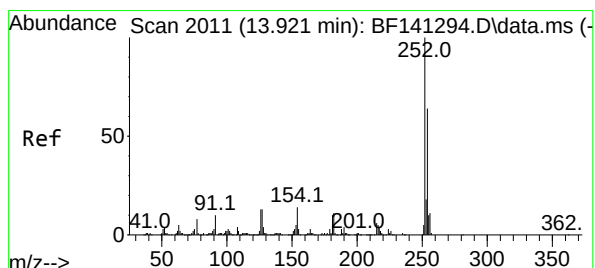
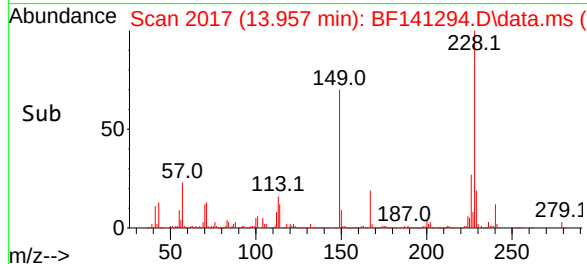
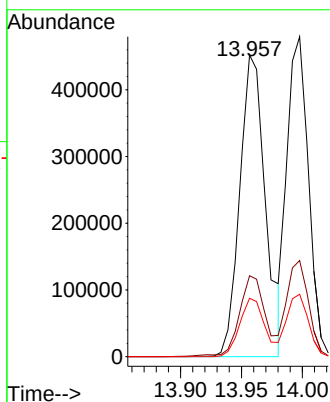
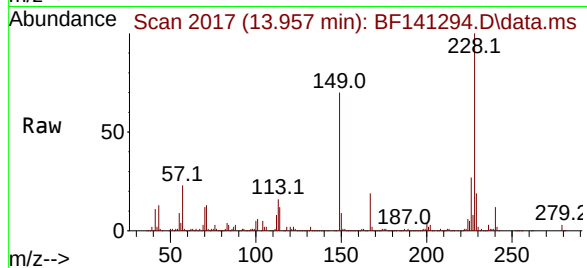




#81
Benzo(a)anthracene
Concen: 37.062 ng
RT: 13.957 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

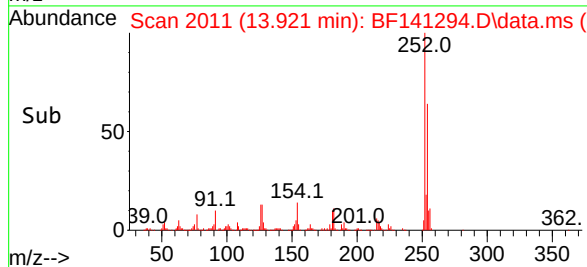
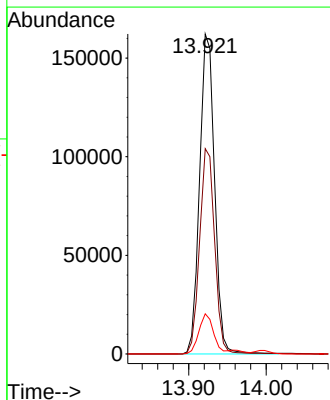
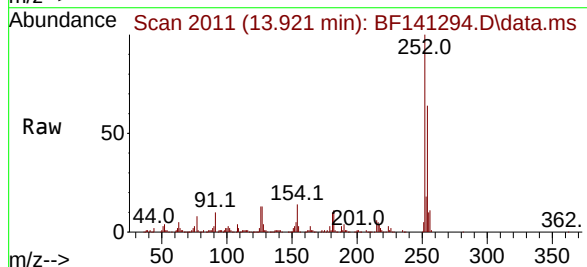
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

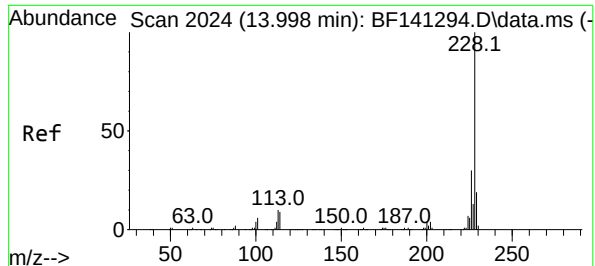
Tgt Ion:228 Resp: 661997
Ion Ratio Lower Upper
228 100
226 26.8 21.4 32.2
229 19.4 15.5 23.3



#82
3,3'-Dichlorobenzidine
Concen: 38.953 ng
RT: 13.921 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:252 Resp: 217856
Ion Ratio Lower Upper
252 100
254 64.1 51.3 76.9
126 12.5 10.0 15.0





#83

Chrysene

Concen: 35.738 ng

RT: 13.998 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

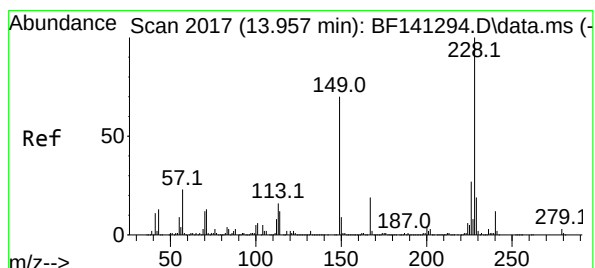
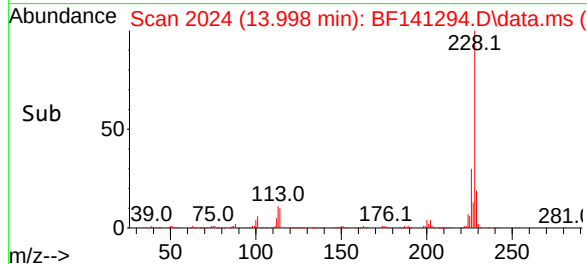
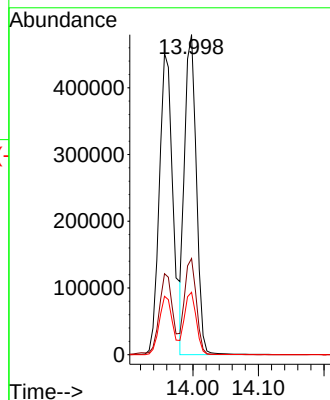
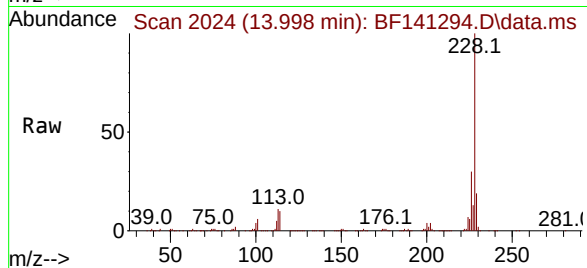
Tgt Ion:228 Resp: 591939

Ion Ratio Lower Upper

228 100

226 30.1 24.1 36.1

229 19.5 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 37.540 ng

RT: 13.957 min Scan# 2017

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

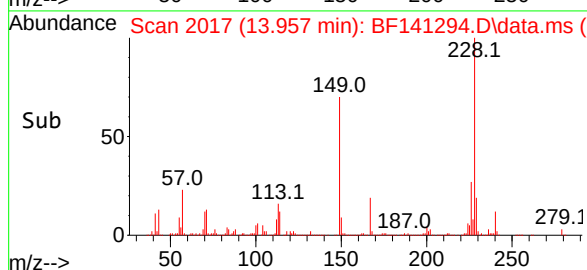
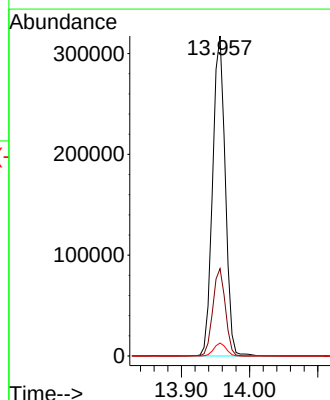
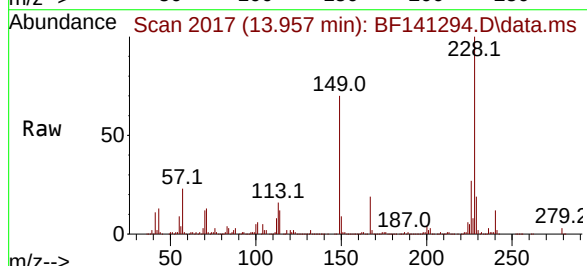
Tgt Ion:149 Resp: 409365

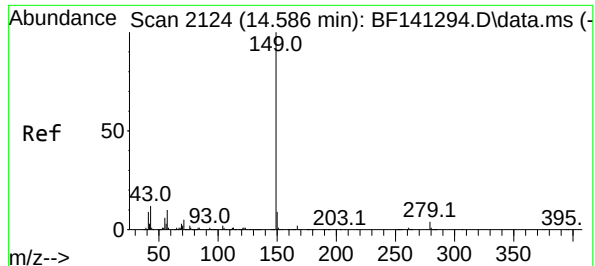
Ion Ratio Lower Upper

149 100

167 27.3 21.8 32.8

279 4.1 3.3 4.9

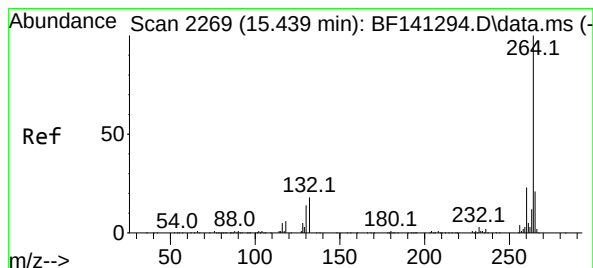
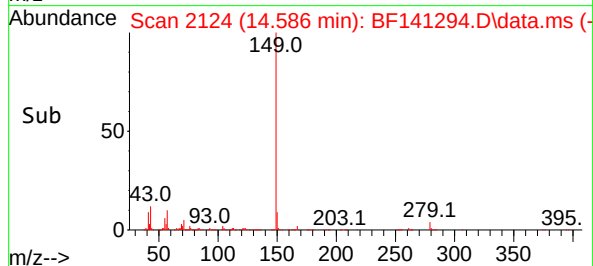
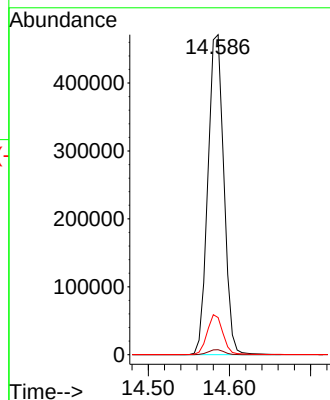
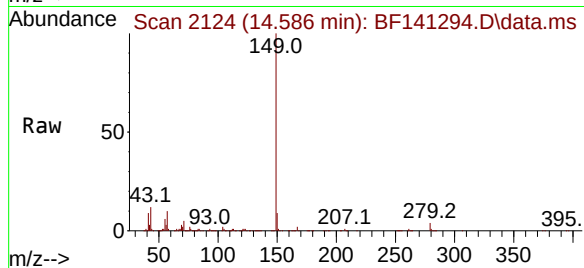




#85
Di-n-octyl phthalate
Concen: 37.578 ng
RT: 14.586 min Scan# 2124
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

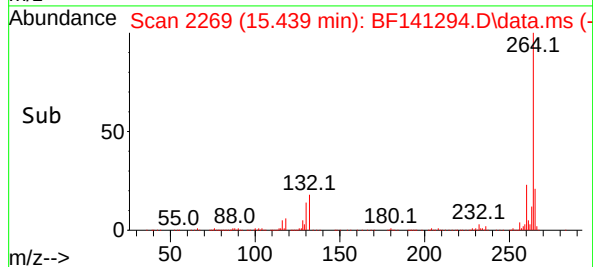
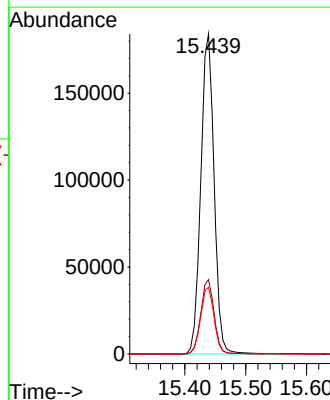
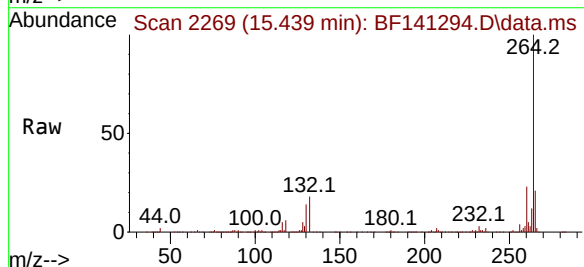
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

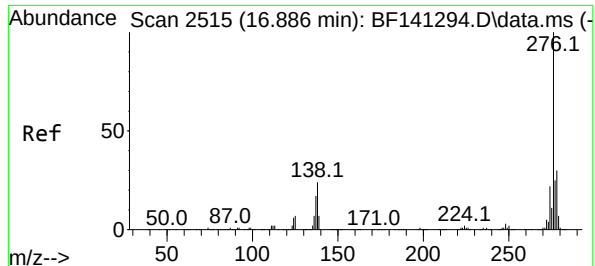
Tgt Ion:149 Resp: 640977
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 12.3 9.8 14.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2269
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:264 Resp: 279417
Ion Ratio Lower Upper
264 100
260 23.2 18.6 27.8
265 20.9 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 38.503 ng

RT: 16.886 min Scan# 2115

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

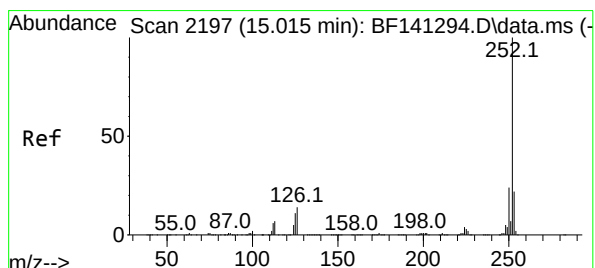
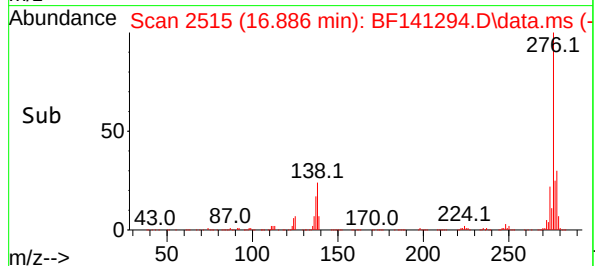
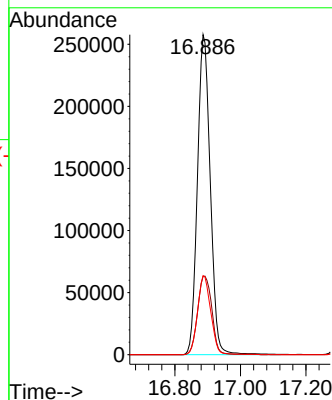
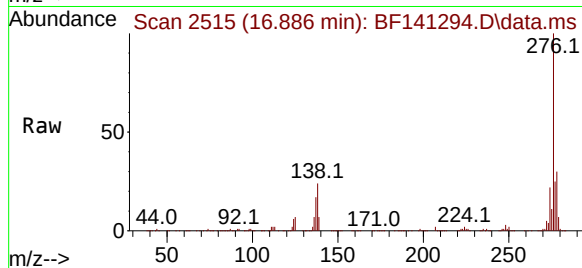
Tgt Ion:276 Resp: 702692

Ion Ratio Lower Upper

276 100

138 27.1 21.7 32.5

277 25.4 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 36.061 ng

RT: 15.015 min Scan# 2197

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

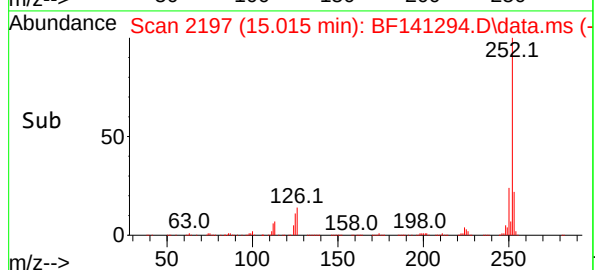
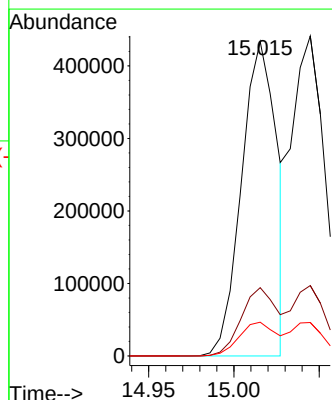
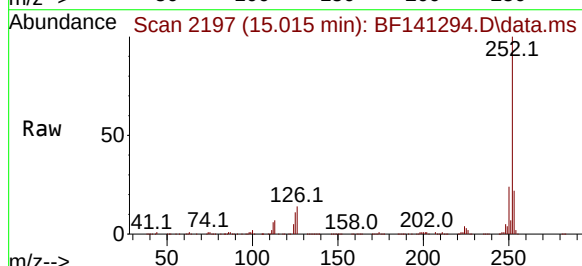
Tgt Ion:252 Resp: 625758

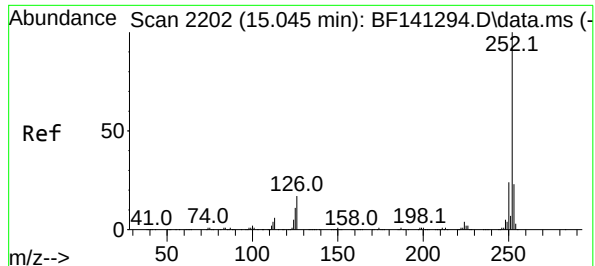
Ion Ratio Lower Upper

252 100

253 21.8 17.4 26.2

125 10.7 8.6 12.8





#89

Benzo(k)fluoranthene

Concen: 38.959 ng

RT: 15.045 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

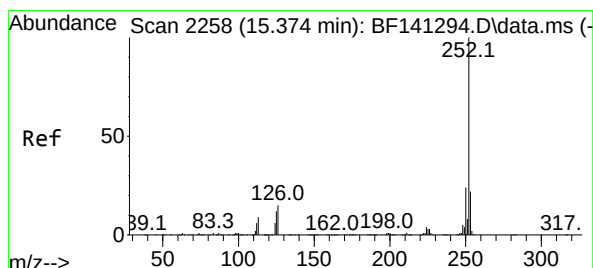
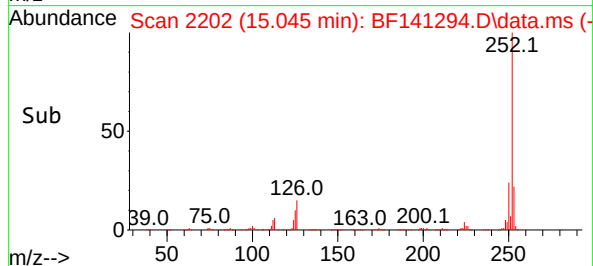
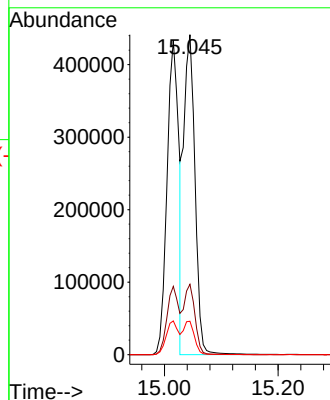
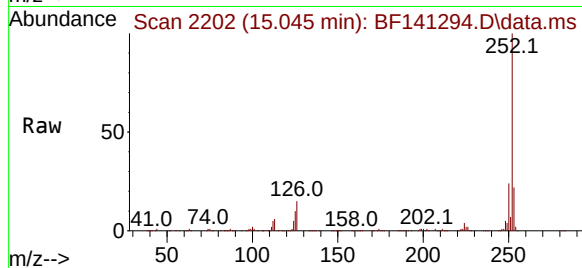
Tgt Ion:252 Resp: 605401

Ion Ratio Lower Upper

252 100

253 22.0 17.6 26.4

125 10.5 8.4 12.6



#90

Benzo(a)pyrene

Concen: 38.096 ng

RT: 15.374 min Scan# 2258

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

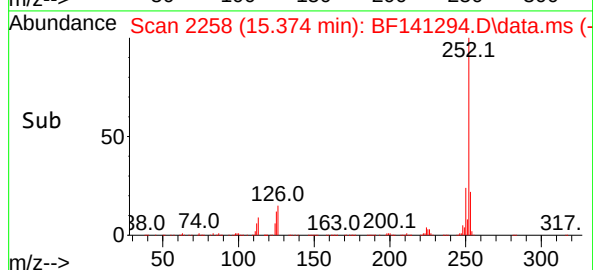
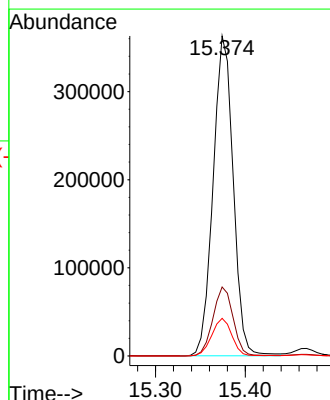
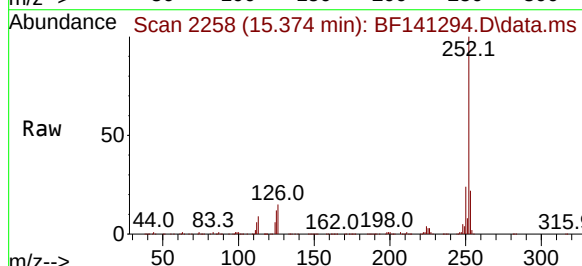
Tgt Ion:252 Resp: 564975

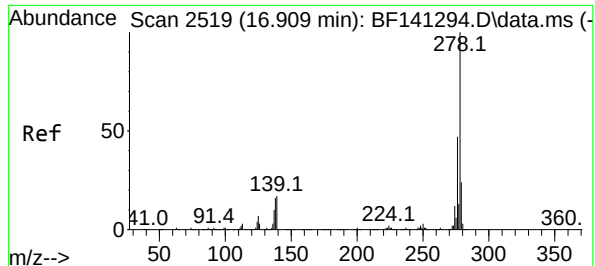
Ion Ratio Lower Upper

252 100

253 21.5 17.2 25.8

125 11.8 9.4 14.2





#91

Dibenzo(a,h)anthracene

Concen: 38.812 ng

RT: 16.909 min Scan# 2519

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

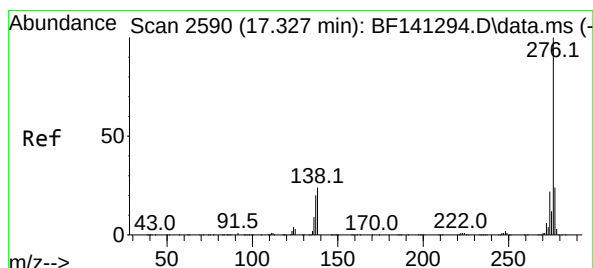
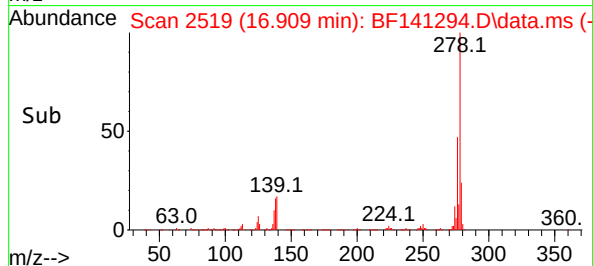
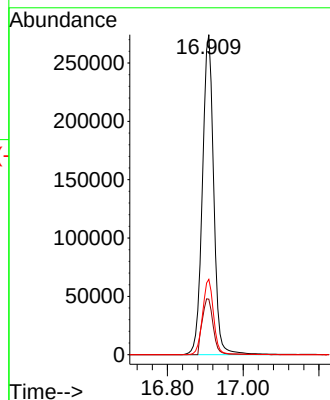
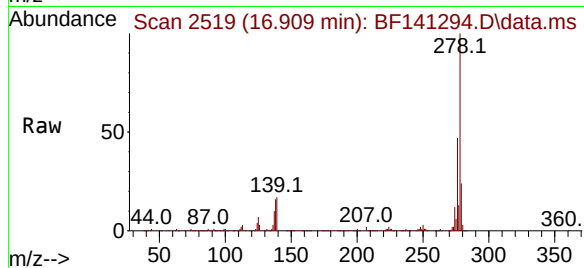
Tgt Ion:278 Resp: 567762

Ion Ratio Lower Upper

278 100

139 17.4 13.9 20.9

279 23.5 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 37.870 ng

RT: 17.327 min Scan# 2590

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

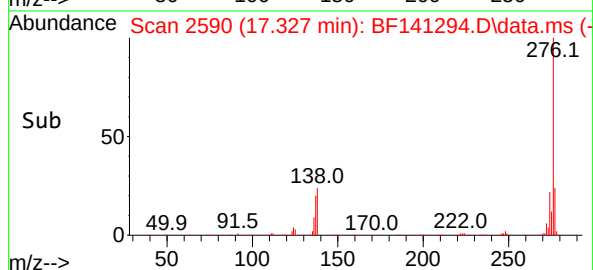
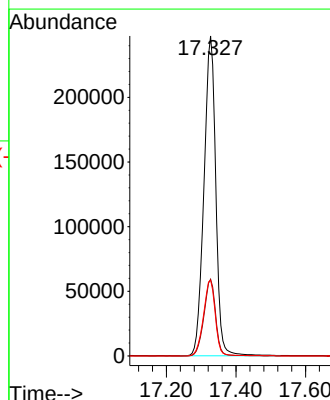
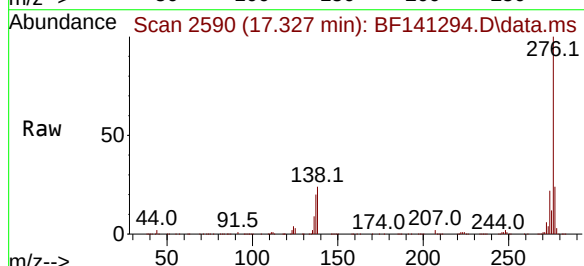
Tgt Ion:276 Resp: 582768

Ion Ratio Lower Upper

276 100

277 24.0 19.2 28.8

138 23.7 19.0 28.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
 Data File : BF141295.D
 Acq On : 29 Jan 2025 16:11
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/30/2025
 Supervised By :mohammad ahmed 02/04/2025

Quant Time: Jan 29 17:01:11 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 16:24:35 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	130633	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	511843	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	269662	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	442506	20.000	ng	0.00
76) Chrysene-d12	13.968	240	226571	20.000	ng	0.00
86) Perylene-d12	15.439	264	272084	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	827672	97.984	ng	0.00
7) Phenol-d6	6.428	99	1052381	97.751	ng	0.00
23) Nitrobenzene-d5	7.369	82	955368	98.761	ng	0.00
42) 2,4,6-Tribromophenol	10.627	330	235884	95.997	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1620825	92.721	ng	0.00
79) Terphenyl-d14	12.916	244	1402103	95.222	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.493	88	187460	49.995	ng	98
3) Pyridine	3.222	79	455306	50.773	ng	100
4) n-Nitrosodimethylamine	3.181	42	262086	51.033	ng	100
6) Aniline	6.463	93	458390	50.942	ng	97
8) 2-Chlorophenol	6.587	128	441862	48.707	ng	98
9) Benzaldehyde	6.351	77	281326	44.996	ng	98
10) Phenol	6.445	94	553844	48.628	ng	95
11) bis(2-Chloroethyl)ether	6.539	93	424248	48.433	ng	98
12) 1,3-Dichlorobenzene	6.739	146	489386	48.913	ng	100
13) 1,4-Dichlorobenzene	6.816	146	490392	48.671	ng	99
14) 1,2-Dichlorobenzene	6.975	146	454569	48.279	ng	99
15) Benzyl Alcohol	6.939	79	371274	50.480	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.081	45	749938	49.280	ng	99
17) 2-Methylphenol	7.051	107	361469	49.214	ng	99
18) Hexachloroethane	7.310	117	182933	49.073	ng	99
19) n-Nitroso-di-n-propyla...	7.216	70	305749	47.753	ng	98
20) 3+4-Methylphenols	7.210	107	434743	48.143	ng	94
22) Acetophenone	7.210	105	574700	47.365	ng	# 97
24) Nitrobenzene	7.386	77	492082	49.046	ng	98
25) Isophorone	7.622	82	818496	48.959	ng	99
26) 2-Nitrophenol	7.698	139	242228	51.545	ng	99
27) 2,4-Dimethylphenol	7.734	122	300079m	49.969	ng	
28) bis(2-Chloroethoxy)met...	7.833	93	518825	48.701	ng	99
29) 2,4-Dichlorophenol	7.939	162	363275	49.507	ng	100
30) 1,2,4-Trichlorobenzene	8.022	180	406562	48.309	ng	100
31) Naphthalene	8.104	128	1304758	48.468	ng	100
32) Benzoic acid	7.857	122	308525	56.571	ng	99
33) 4-Chloroaniline	8.151	127	449543	49.712	ng	100
34) Hexachlorobutadiene	8.222	225	243308	49.395	ng	99
35) Caprolactam	8.528	113	120078	50.594	ng	97
36) 4-Chloro-3-methylphenol	8.633	107	385683	48.973	ng	98
37) 2-Methylnaphthalene	8.792	142	822986	48.006	ng	99
38) 1-Methylnaphthalene	8.892	142	799136	47.586	ng	100
40) 1,2,4,5-Tetrachloroben...	8.963	216	373963	48.774	ng	100
41) Hexachlorocyclopentadiene	8.945	237	122470	53.227	ng	100
43) 2,4,6-Trichlorophenol	9.069	196	252974	50.545	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
 Data File : BF141295.D
 Acq On : 29 Jan 2025 16:11
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025

Quant Time: Jan 29 17:01:11 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Jan 29 16:24:35 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	263745	48.438	ng	98
46) 1,1'-Biphenyl	9.263	154	1005774	47.808	ng	99
47) 2-Chloronaphthalene	9.286	162	781613	47.835	ng	99
48) 2-Nitroaniline	9.380	65	257199	49.907	ng	98
49) Acenaphthylene	9.698	152	1092234	47.595	ng	100
50) Dimethylphthalate	9.563	163	875569	48.419	ng	100
51) 2,6-Dinitrotoluene	9.622	165	204917	48.697	ng	98
52) Acenaphthene	9.875	154	789039	48.322	ng	100
53) 3-Nitroaniline	9.792	138	197832	47.528	ng	99
54) 2,4-Dinitrophenol	9.898	184	105313	53.096	ng	96
55) Dibenzofuran	10.045	168	1028182	47.082	ng	100
56) 4-Nitrophenol	9.951	139	155594	52.067	ng	99
57) 2,4-Dinitrotoluene	10.027	165	264325	48.700	ng	97
58) Fluorene	10.386	166	784644	46.215	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.163	232	205508	47.772	ng	98
60) Diethylphthalate	10.263	149	834803	47.668	ng	99
61) 4-Chlorophenyl-phenyle...	10.380	204	380948	45.976	ng	99
62) 4-Nitroaniline	10.404	138	198241	49.579	ng	98
63) Azobenzene	10.539	77	841797	47.955	ng	100
65) 4,6-Dinitro-2-methylph...	10.433	198	144574	54.710	ng	97
66) n-Nitrosodiphenylamine	10.498	169	688202	47.968	ng	100
67) 4-Bromophenyl-phenylether	10.869	248	241123	48.745	ng	99
68) Hexachlorobenzene	10.933	284	253174	48.250	ng	100
69) Atrazine	11.027	200	237991	49.457	ng	98
70) Pentachlorophenol	11.127	266	161568	52.515	ng	99
71) Phenanthrene	11.351	178	1114920	46.903	ng	99
72) Anthracene	11.404	178	1105681	47.686	ng	100
73) Carbazole	11.557	167	971542	47.304	ng	99
74) Di-n-butylphthalate	11.892	149	1162607	46.961	ng	100
75) Fluoranthene	12.539	202	1065514	45.923	ng	100
77) Benzidine	12.663	184	513358	74.515	ng	99
78) Pyrene	12.768	202	1059044	48.410	ng	99
80) Butylbenzylphthalate	13.392	149	371889	49.222	ng	99
81) Benzo(a)anthracene	13.963	228	778922	50.158	ng	100
82) 3,3'-Dichlorobenzidine	13.921	252	270572	55.645	ng	99
83) Chrysene	13.998	228	717569	49.829	ng	99
84) Bis(2-ethylhexyl)phtha...	13.957	149	470441	49.620	ng	99
85) Di-n-octyl phthalate	14.586	149	773037	52.127	ng	100
87) Indeno(1,2,3-cd)pyrene	16.892	276	916714	51.584	ng	100
88) Benzo(b)fluoranthene	15.015	252	860351	50.916	ng	100
89) Benzo(k)fluoranthene	15.045	252	713500	47.153	ng	99
90) Benzo(a)pyrene	15.380	252	721834	49.985	ng	100
91) Dibenzo(a,h)anthracene	16.915	278	739397	51.907	ng	100
92) Benzo(g,h,i)perylene	17.333	276	764064	50.990	ng	99

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

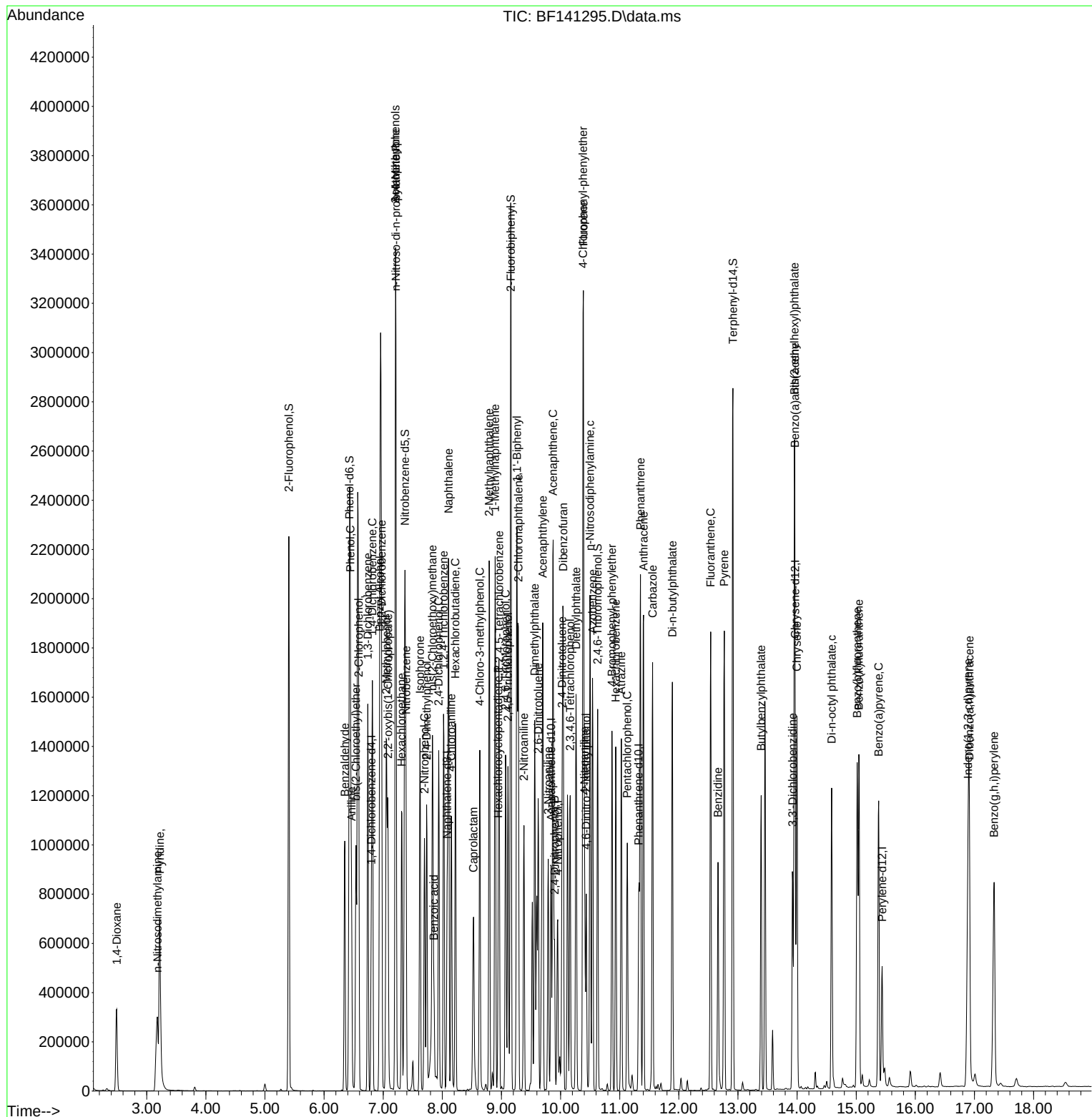
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
 Data File : BF141295.D
 Acq On : 29 Jan 2025 16:11
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

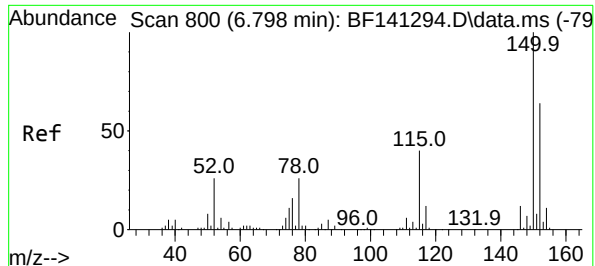
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050

Quant Time: Jan 29 17:01:11 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 16:24:35 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

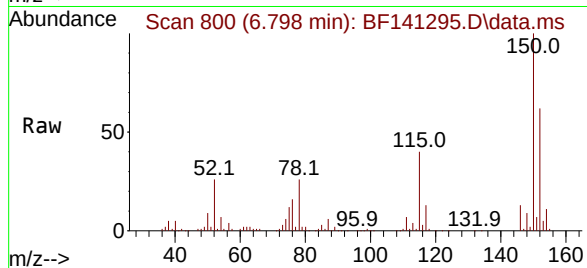
Reviewed By :Yogesh Patel 01/30/2025
 Supervised By :mohammad ahmed 02/04/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

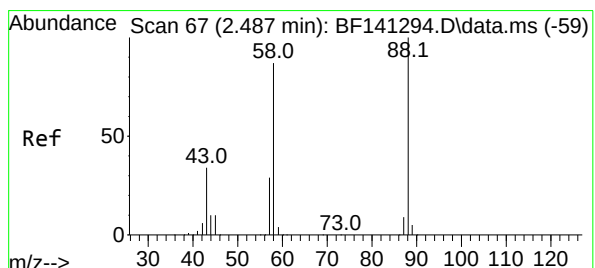
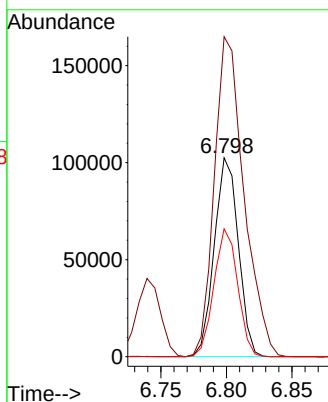
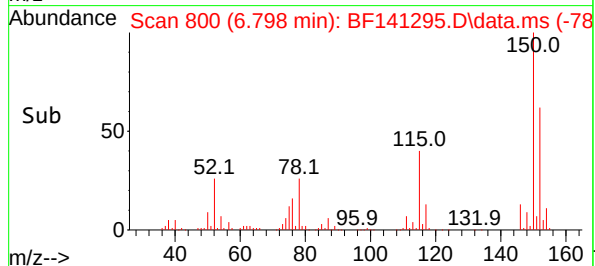
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:152 Resp: 13063
Ion Ratio Lower Upper
152 100
150 160.9 125.9 188.9
115 64.3 49.7 74.5

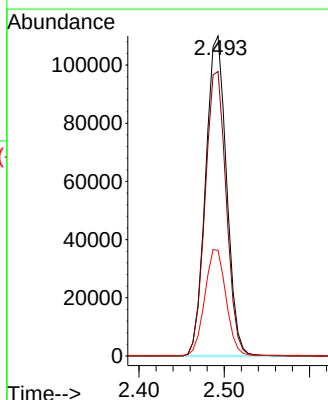
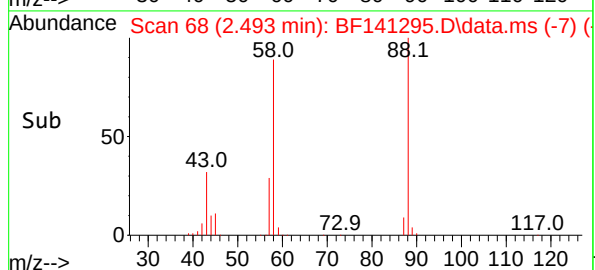
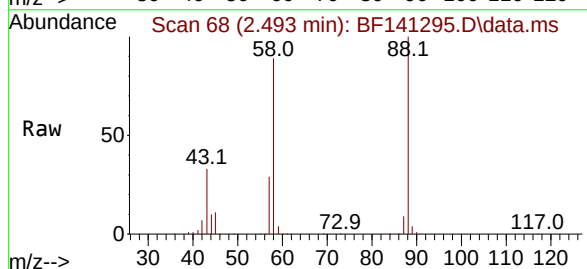
Manual Integrations
APPROVED

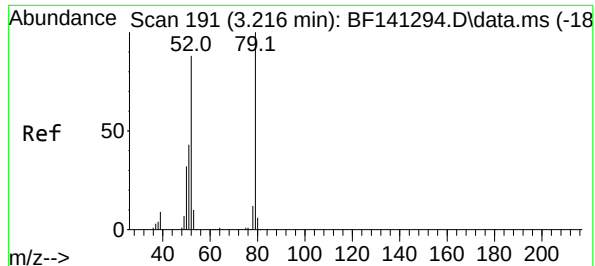
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#2
1,4-Dioxane
Concen: 49.995 ng
RT: 2.493 min Scan# 68
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion: 88 Resp: 187460
Ion Ratio Lower Upper
88 100
58 89.8 70.2 105.4
43 33.5 27.6 41.4





#3

Pyridine

Concen: 50.773 ng

RT: 3.222 min Scan# 191

Delta R.T. 0.006 min

Lab File: BF141295.D

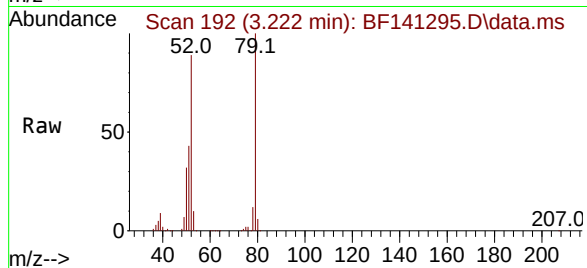
Acq: 29 Jan 2025 16:11

Instrument :

BNA_F

ClientSampleId :

SSTDICC050



Tgt Ion: 79 Resp: 455300

Ion Ratio Lower Upper

79 100

52 88.5 70.3 105.5

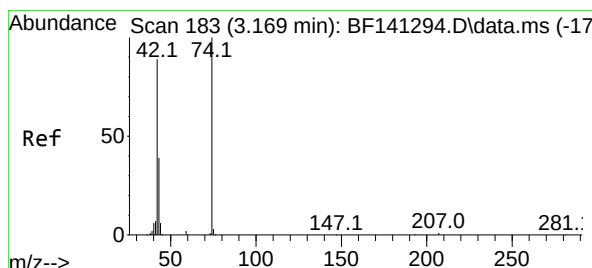
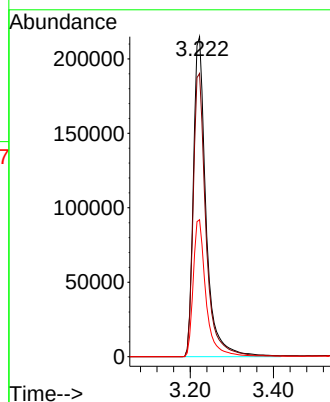
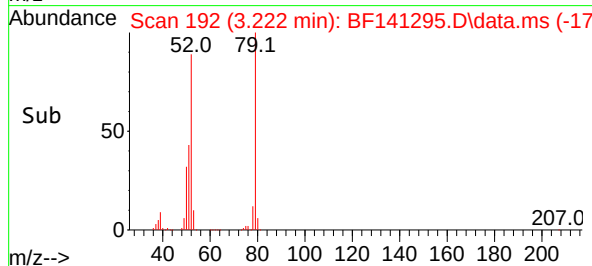
51 42.8 34.3 51.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#4

n-Nitrosodimethylamine

Concen: 51.033 ng

RT: 3.181 min Scan# 185

Delta R.T. 0.012 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

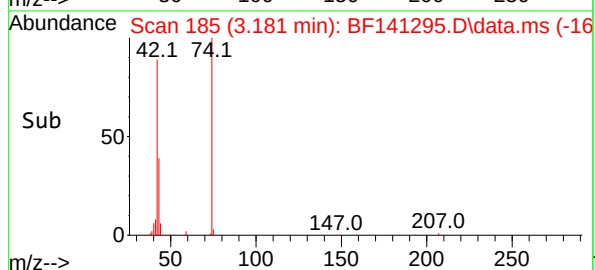
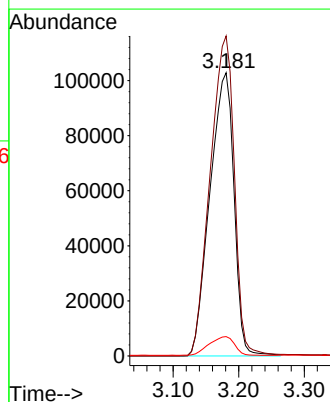
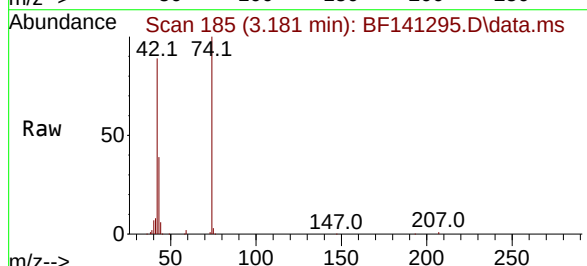
Tgt Ion: 42 Resp: 262086

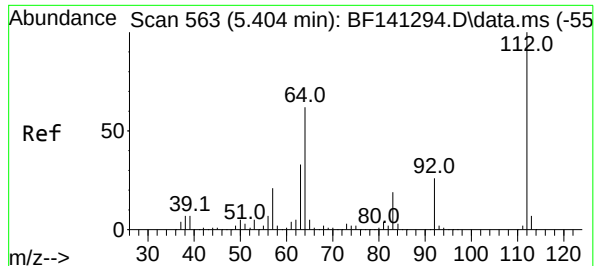
Ion Ratio Lower Upper

42 100

74 113.0 90.3 135.5

44 6.8 5.7 8.5





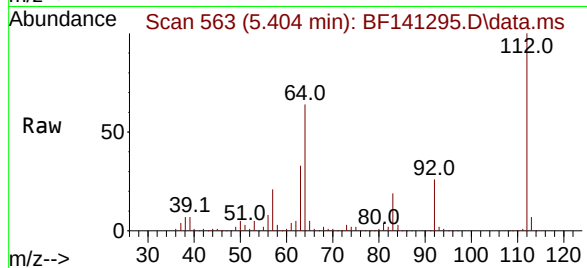
#5
2-Fluorophenol
Concen: 97.984 ng
RT: 5.404 min Scan# 50
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

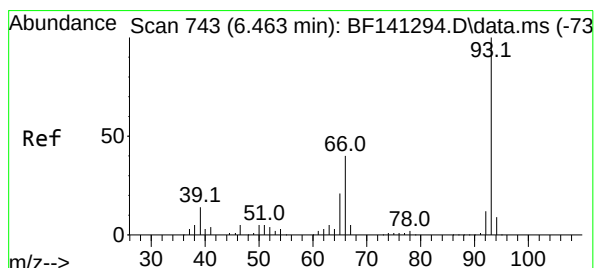
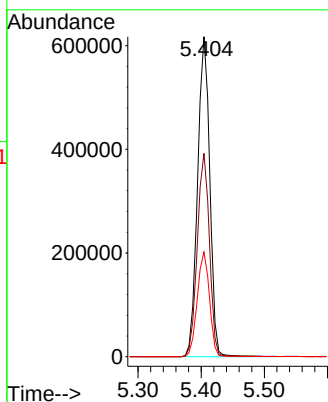
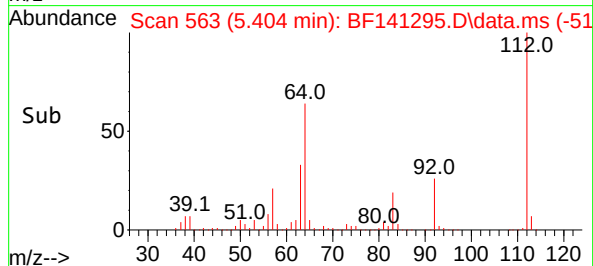


Tgt Ion: 112 Resp: 827672
Ion Ratio Lower Upper
112 100
64 63.5 49.8 74.8
63 32.7 26.1 39.1

Manual Integrations

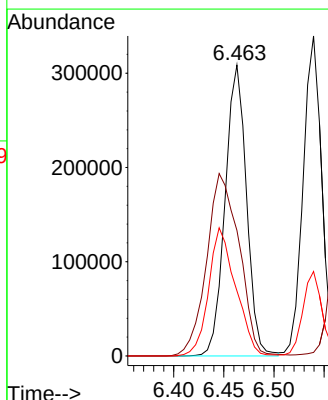
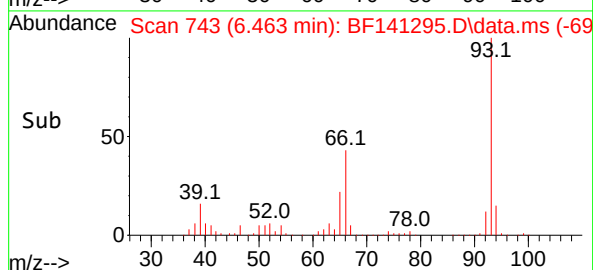
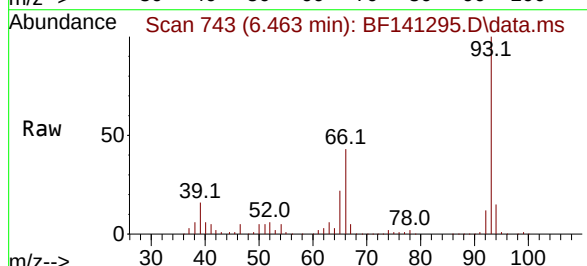
APPROVED

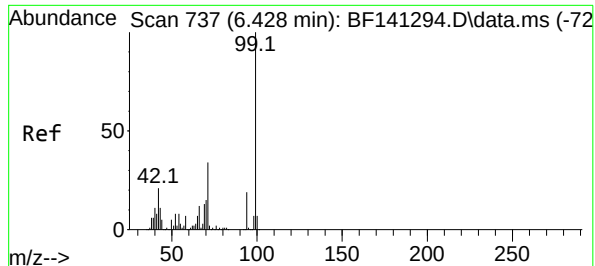
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#6
Aniline
Concen: 50.942 ng
RT: 6.463 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion: 93 Resp: 458390
Ion Ratio Lower Upper
93 100
66 43.2 32.5 48.7
65 22.4 17.0 25.6





#7

Phenol-d6

Concen: 97.751 ng

RT: 6.428 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion: 99 Resp: 105238

Ion Ratio Lower Upper

99 100

42 21.4 17.1 25.7

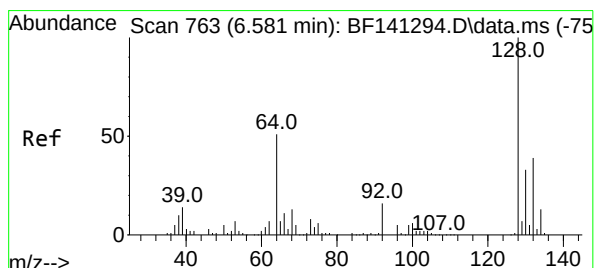
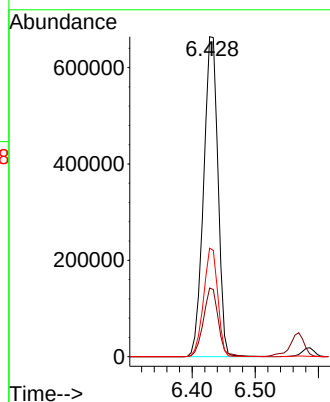
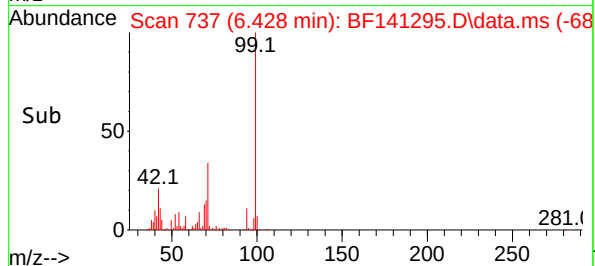
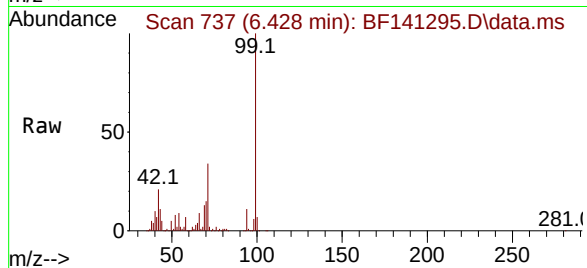
71 33.9 26.9 40.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#8

2-Chlorophenol

Concen: 48.707 ng

RT: 6.587 min Scan# 764

Delta R.T. 0.006 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

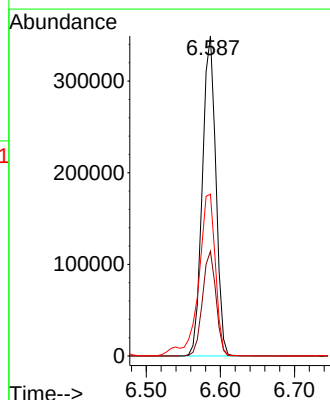
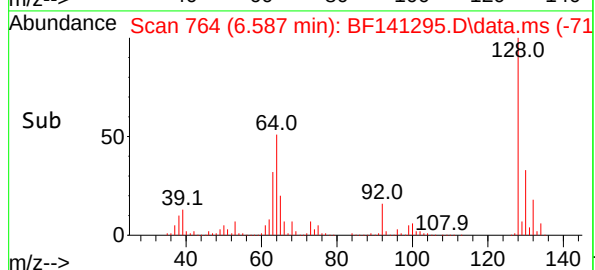
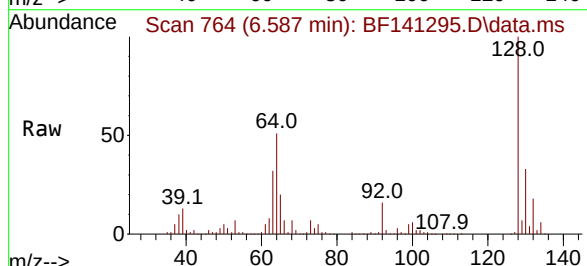
Tgt Ion:128 Resp: 441862

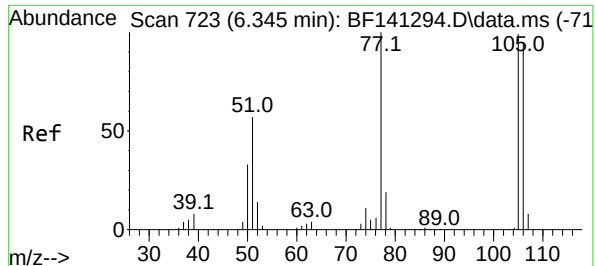
Ion Ratio Lower Upper

128 100

130 32.7 12.5 52.5

64 50.5 32.9 72.9





#9

Benzaldehyde

Concen: 44.996 ng

RT: 6.351 min Scan# 71

Delta R.T. 0.006 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion: 77 Resp: 281320

Ion Ratio Lower Upper

77 100

105 100.8 79.4 119.4

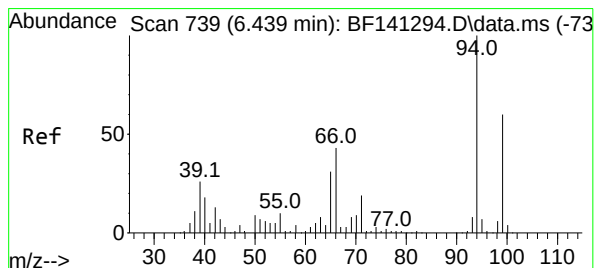
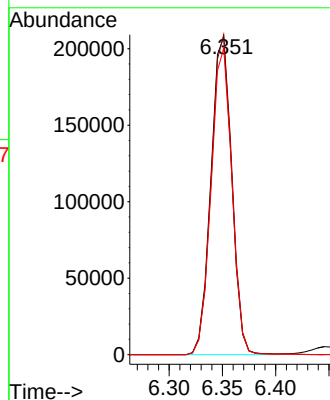
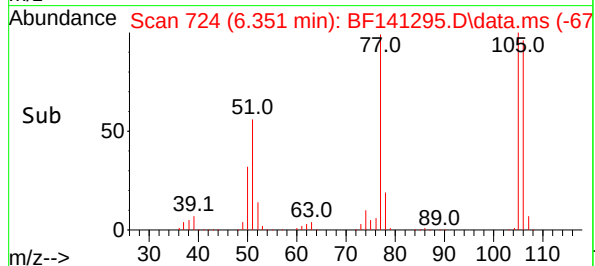
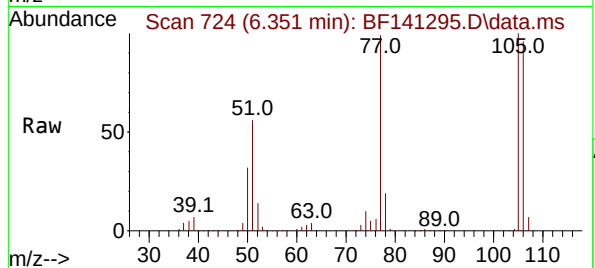
106 96.5 74.6 114.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#10

Phenol

Concen: 48.628 ng

RT: 6.445 min Scan# 740

Delta R.T. 0.006 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

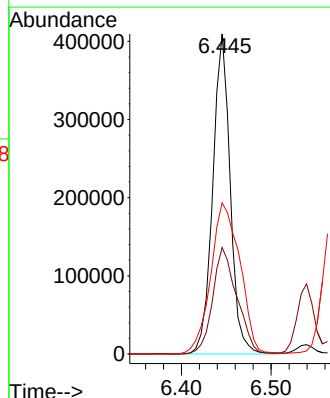
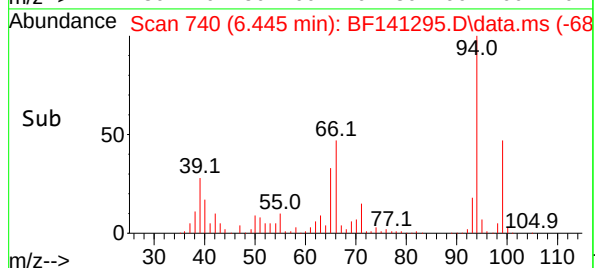
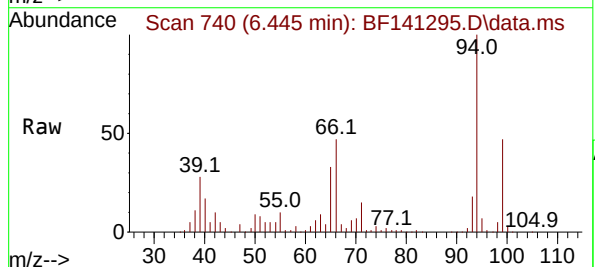
Tgt Ion: 94 Resp: 553844

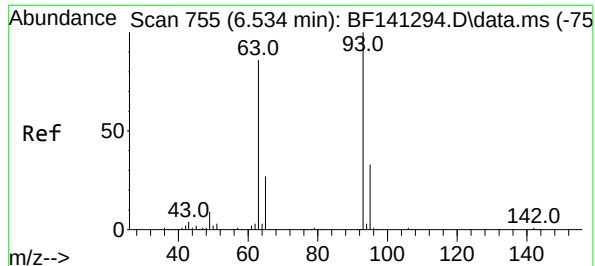
Ion Ratio Lower Upper

94 100

65 33.2 10.8 50.8

66 47.3 23.3 63.3





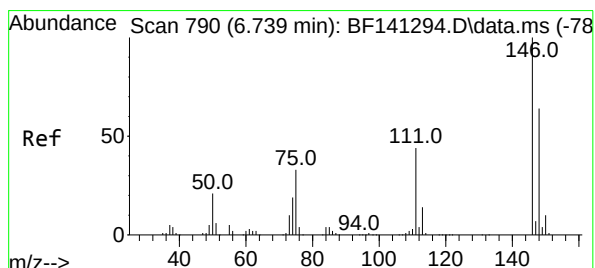
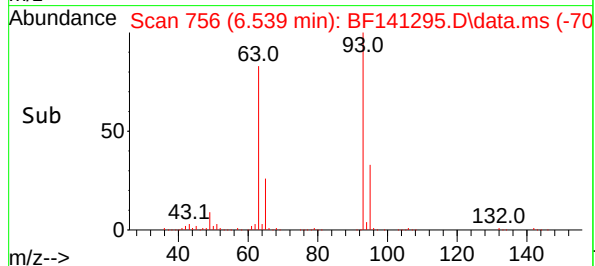
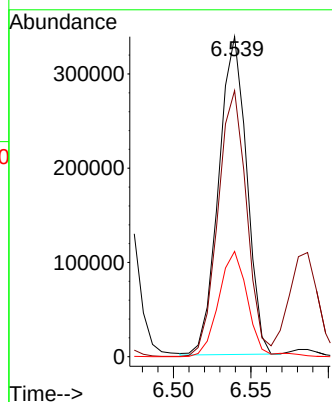
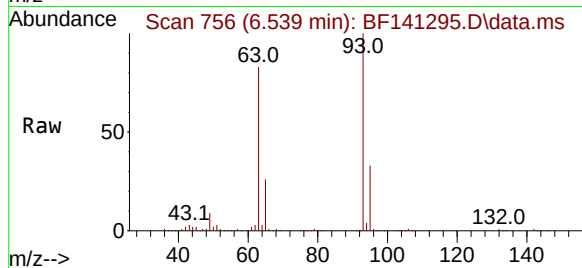
#11
bis(2-Chloroethyl)ether
Concen: 48.433 ng
RT: 6.539 min Scan# 755
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 93 Resp: 424248
Ion Ratio Lower Upper
93 100
63 83.2 65.0 105.0
95 32.9 12.4 52.4

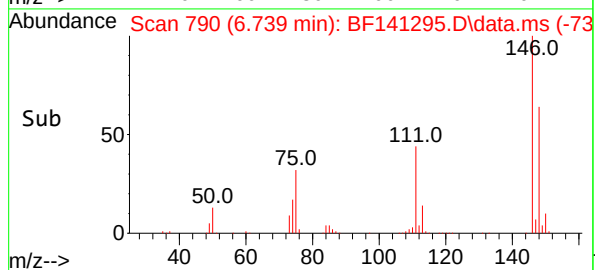
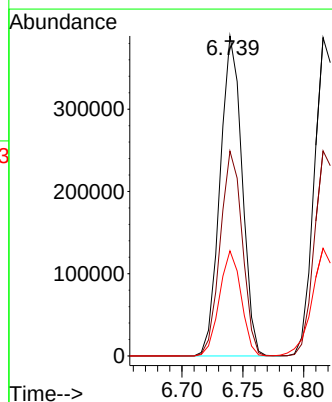
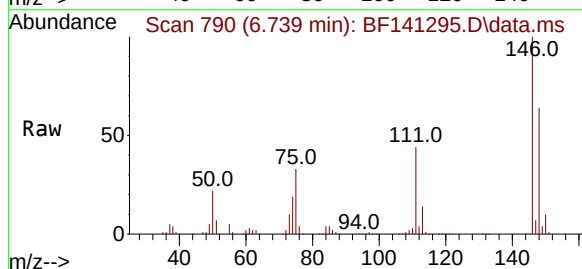
Manual Integrations
APPROVED

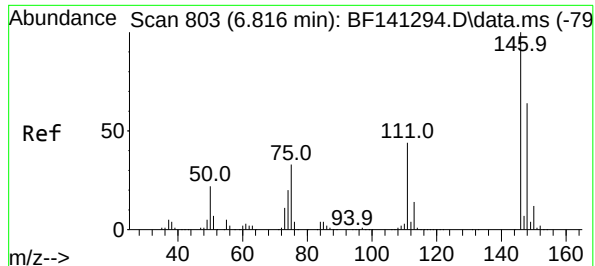
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#12
1,3-Dichlorobenzene
Concen: 48.913 ng
RT: 6.739 min Scan# 790
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:146 Resp: 489386
Ion Ratio Lower Upper
146 100
148 64.0 51.2 76.8
75 32.9 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 48.671 ng

RT: 6.816 min Scan# 80

Delta R.T. 0.000 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:146 Resp: 490392

Ion Ratio Lower Upper

146 100

148 64.4 51.2 76.8

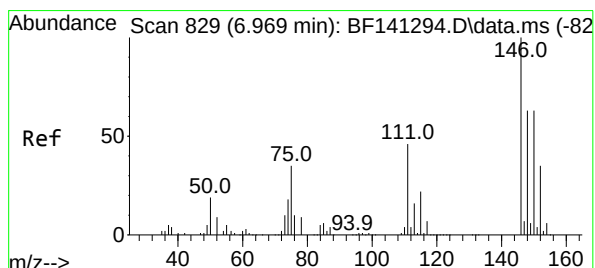
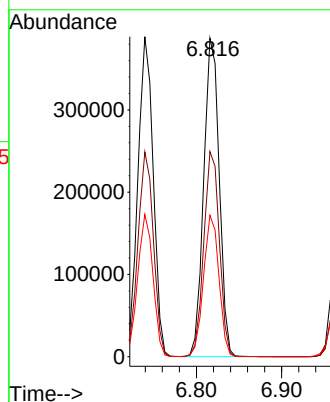
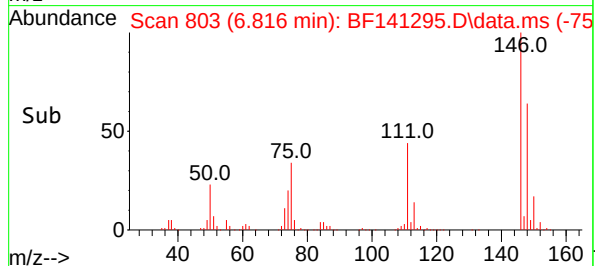
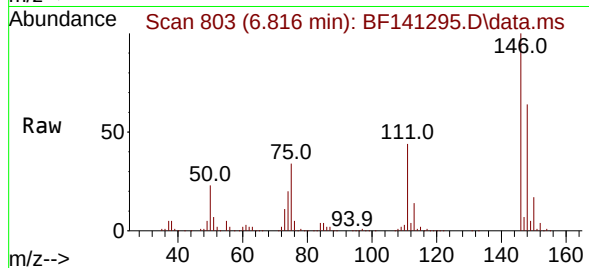
111 44.4 35.0 52.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#14

1,2-Dichlorobenzene

Concen: 48.279 ng

RT: 6.975 min Scan# 830

Delta R.T. 0.006 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

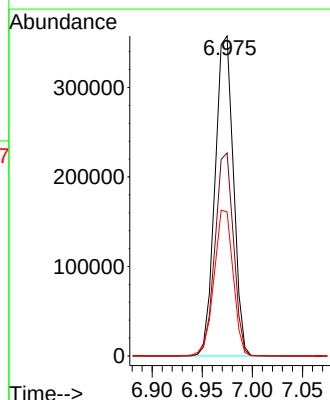
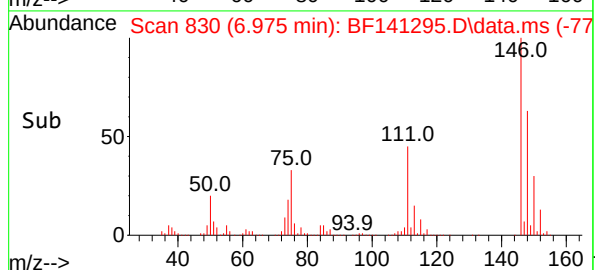
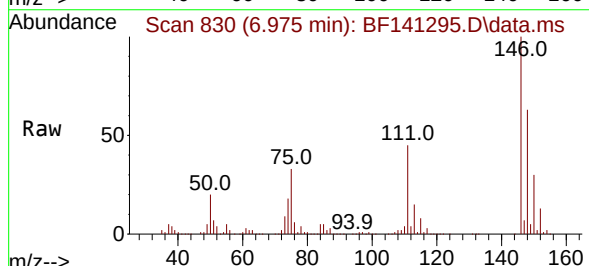
Tgt Ion:146 Resp: 454569

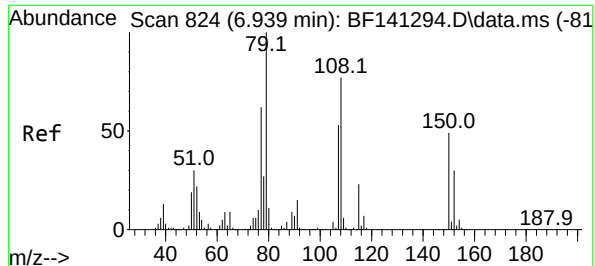
Ion Ratio Lower Upper

146 100

148 63.4 50.5 75.7

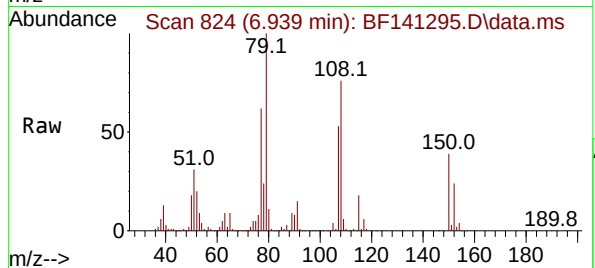
111 45.1 36.6 55.0





#15
Benzyl Alcohol
Concen: 50.480 ng
RT: 6.939 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

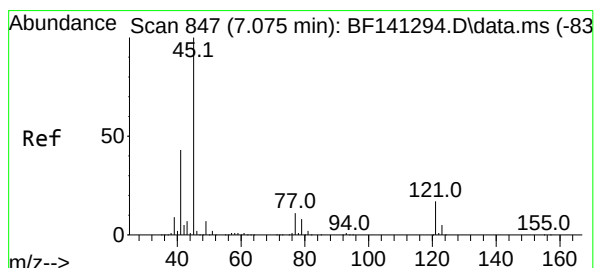
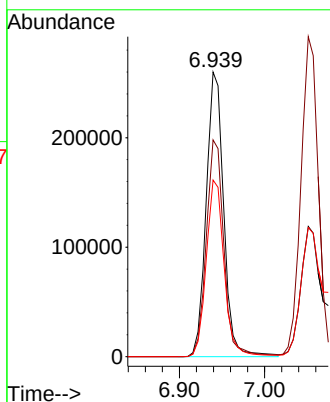
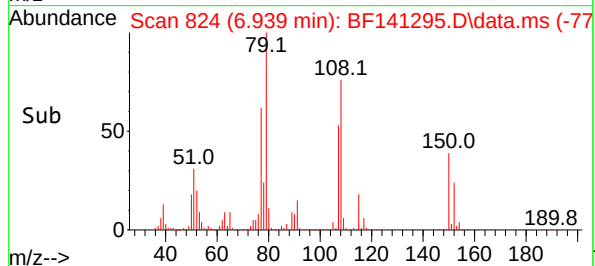
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



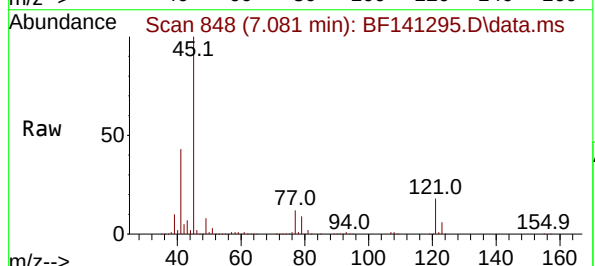
Tgt Ion: 79 Resp: 371274
Ion Ratio Lower Upper
79 100
108 76.2 61.4 92.0
77 62.1 49.9 74.9

Manual Integrations
APPROVED

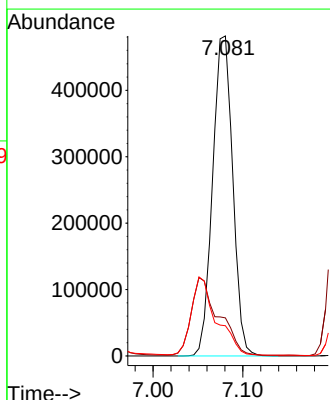
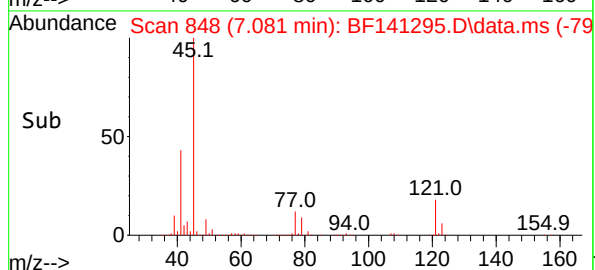
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

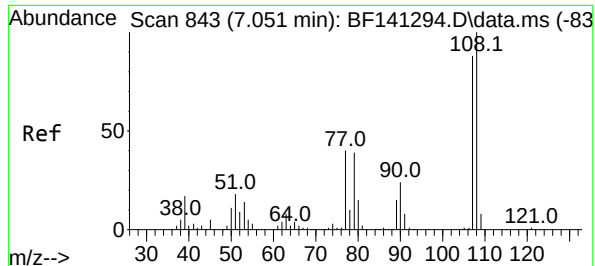


#16
2,2'-oxybis(1-Chloropropane)
Concen: 49.280 ng
RT: 7.081 min Scan# 848
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11



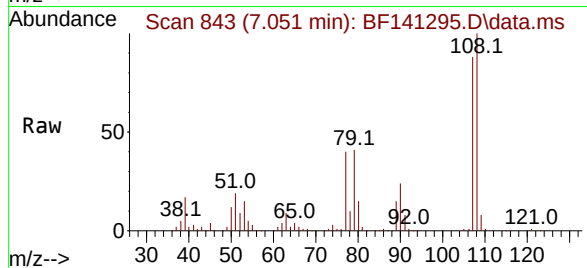
Tgt Ion: 45 Resp: 749938
Ion Ratio Lower Upper
45 100
77 11.9 0.0 31.8
79 9.5 0.0 29.1





#17
2-Methylphenol
Concen: 49.214 ng
RT: 7.051 min Scan# 843
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

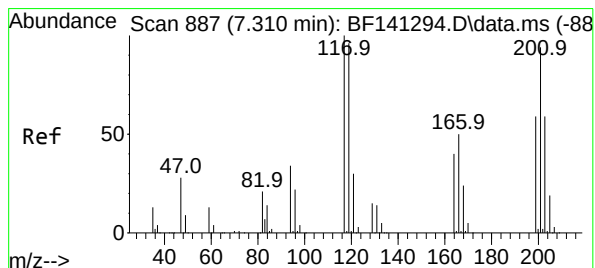
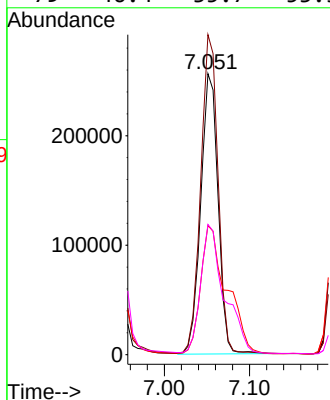
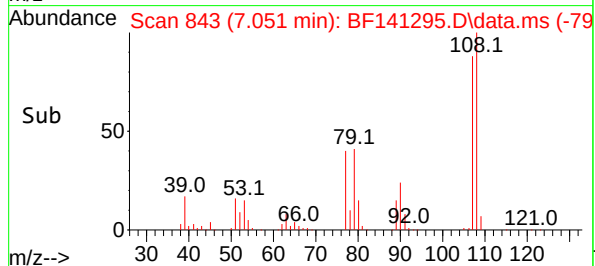
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:107 Resp: 361469
Ion Ratio Lower Upper
107 100
108 113.9 90.8 136.2
77 46.0 36.2 54.4
79 46.4 35.7 53.5

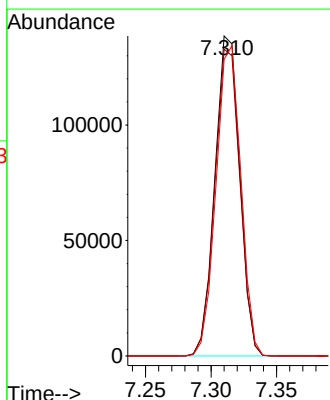
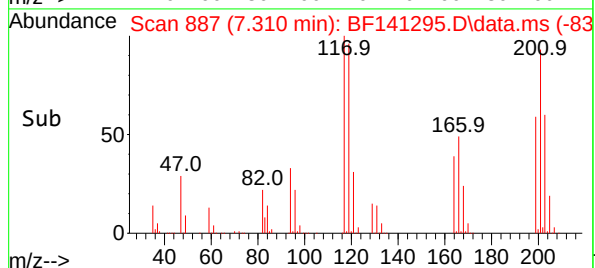
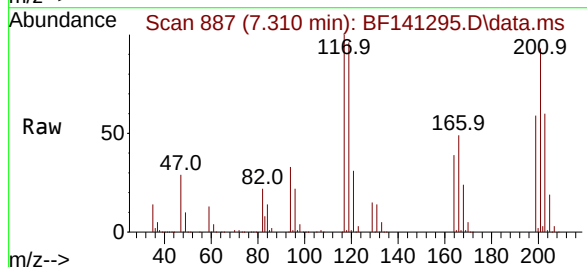
Manual Integrations
APPROVED

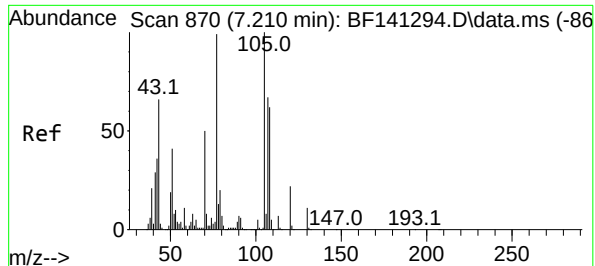
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#18
Hexachloroethane
Concen: 49.073 ng
RT: 7.310 min Scan# 887
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:117 Resp: 182933
Ion Ratio Lower Upper
117 100
119 95.8 76.6 114.8
201 92.7 74.8 112.2





#19

n-Nitroso-di-n-propylamine

Concen: 47.753 ng

RT: 7.216 min Scan# 81

Delta R.T. 0.006 min

Lab File: BF141295.D

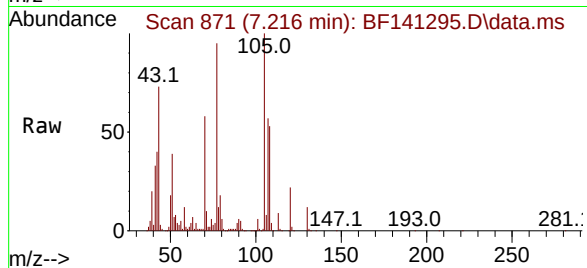
Acq: 29 Jan 2025 16:11

Instrument :

BNA_F

ClientSampleId :

SSTDICC050



Tgt Ion: 70 Resp: 305749

Ion Ratio Lower Upper

70 100

42 69.2 56.8 85.2

101 9.7 7.7 11.5

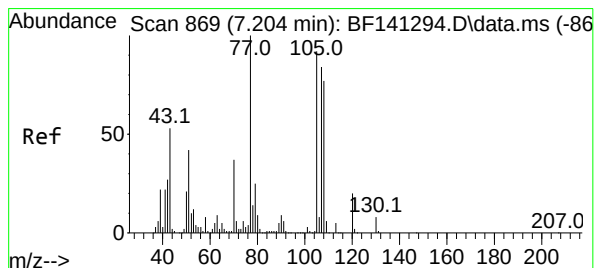
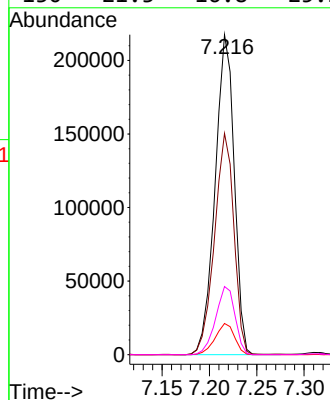
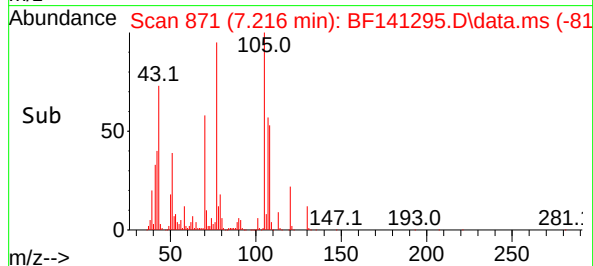
130 21.3 16.8 25.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#20

3+4-Methylphenols

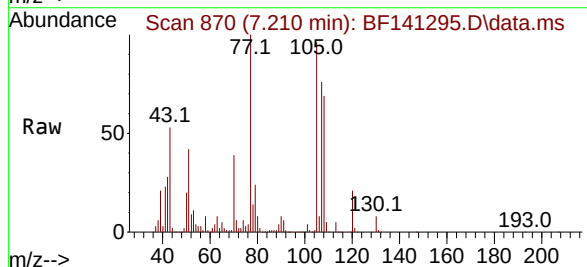
Concen: 48.143 ng

RT: 7.210 min Scan# 870

Delta R.T. 0.006 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11



Tgt Ion:107 Resp: 434743

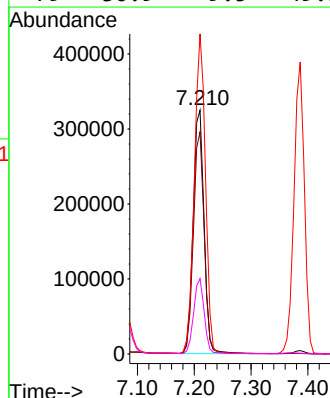
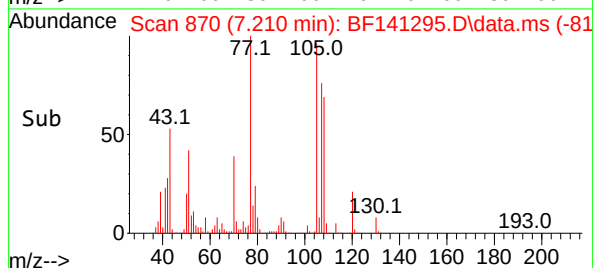
Ion Ratio Lower Upper

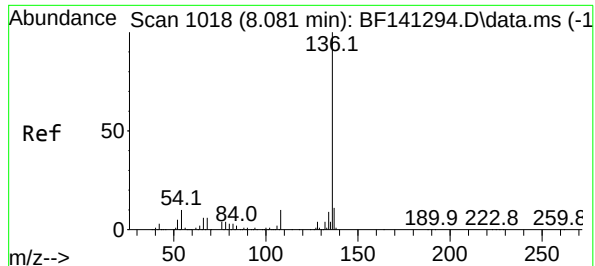
107 100

108 91.2 70.9 110.9

77 131.3 98.5 138.5

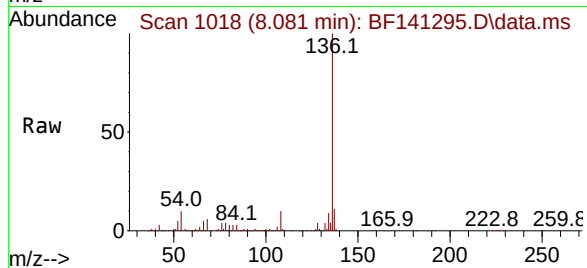
79 30.9 9.5 49.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1018
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

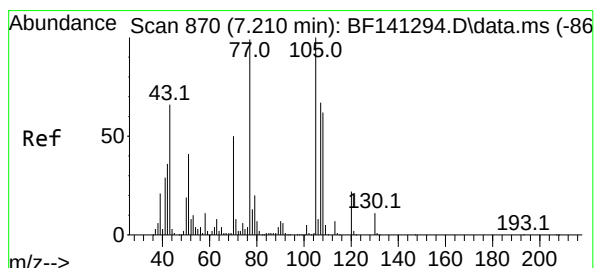
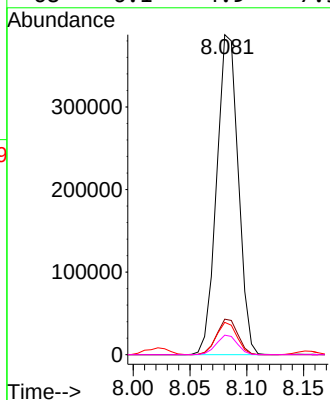
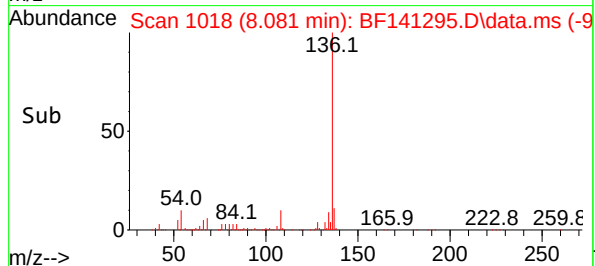
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:136 Resp: 51184
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 10.1 7.8 11.8
68 6.1 4.9 7.3

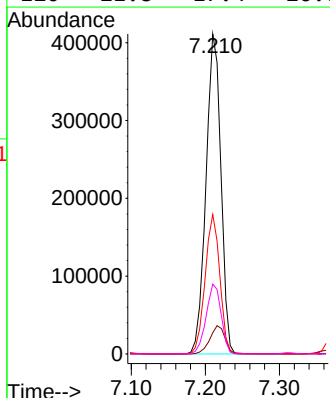
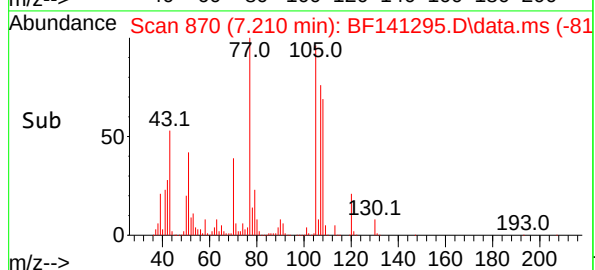
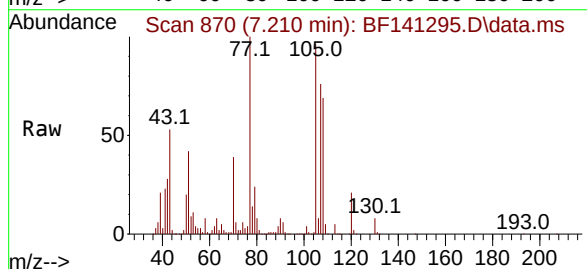
Manual Integrations
APPROVED

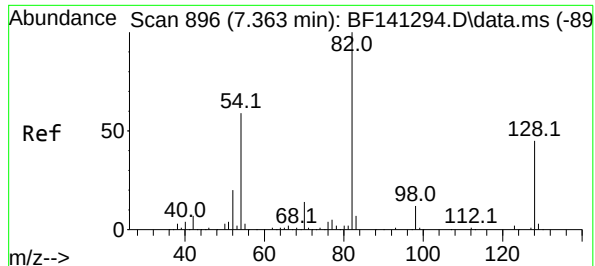
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#22
Acetophenone
Concen: 47.365 ng
RT: 7.210 min Scan# 870
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:105 Resp: 574700
Ion Ratio Lower Upper
105 100
71 6.6 6.8 10.2#
51 43.6 32.6 49.0
120 21.8 17.4 26.0





#23

Nitrobenzene-d5

Concen: 98.761 ng

RT: 7.369 min Scan# 89

Delta R.T. 0.006 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion: 82 Resp: 95536

Ion Ratio Lower Upper

82 100

128 45.3 35.7 53.5

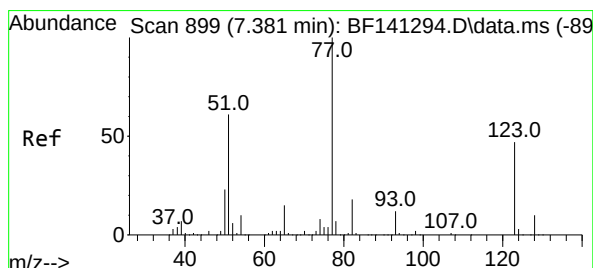
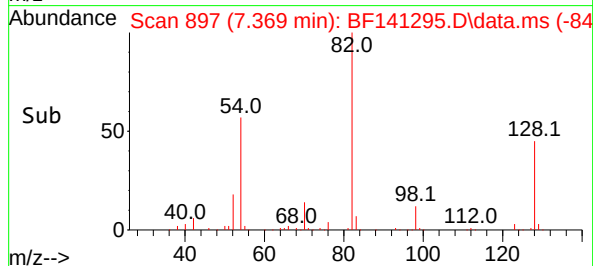
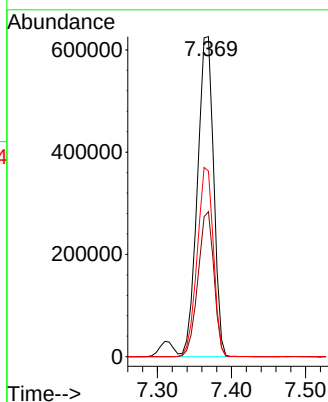
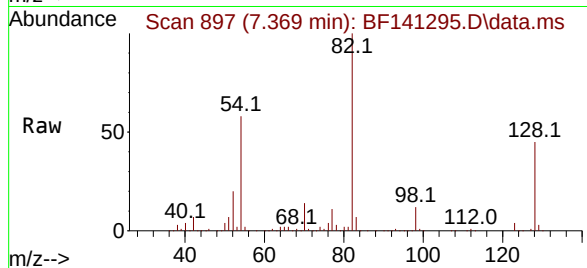
54 58.0 47.1 70.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#24

Nitrobenzene

Concen: 49.046 ng

RT: 7.386 min Scan# 900

Delta R.T. 0.006 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

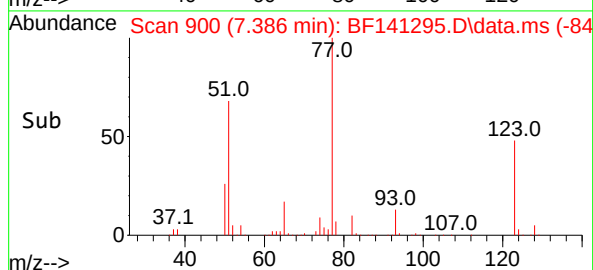
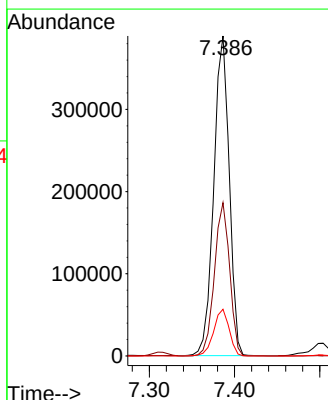
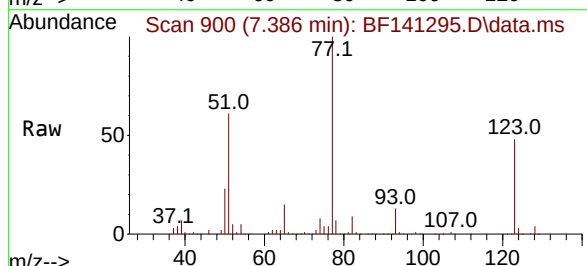
Tgt Ion: 77 Resp: 492082

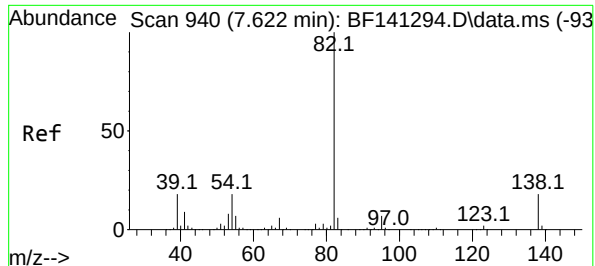
Ion Ratio Lower Upper

77 100

123 47.9 37.3 55.9

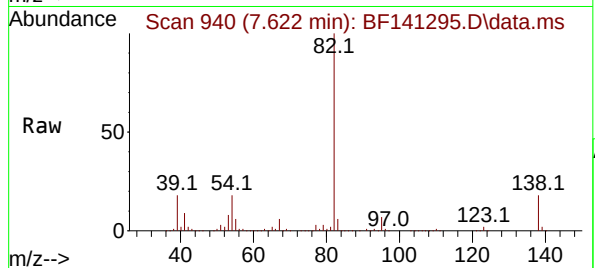
65 14.6 11.8 17.6





#25
Isophorone
Concen: 48.959 ng
RT: 7.622 min Scan# 940
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

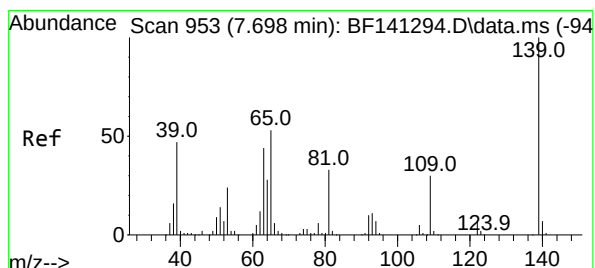
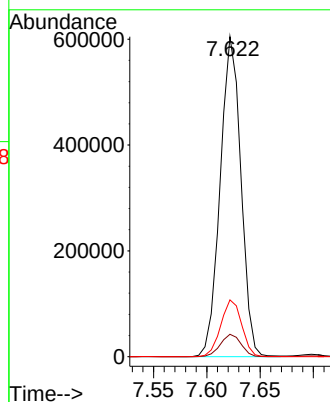
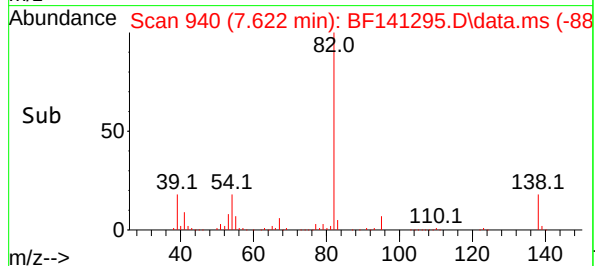
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion: 82 Resp: 818490
Ion Ratio Lower Upper
82 100
95 7.0 5.8 8.6
138 17.7 14.7 22.1

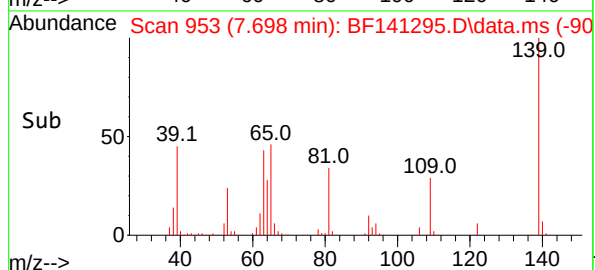
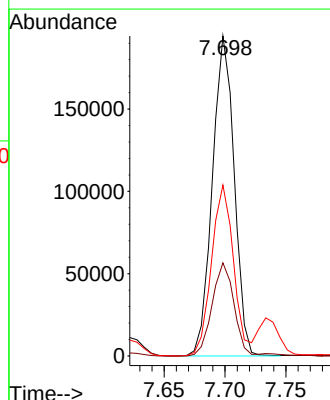
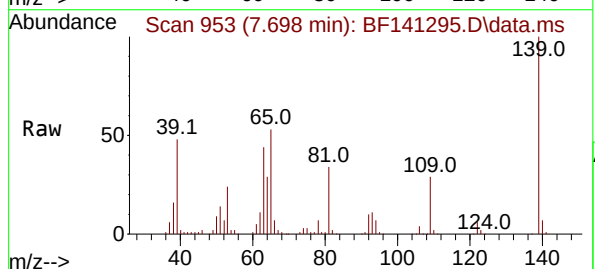
Manual Integrations
APPROVED

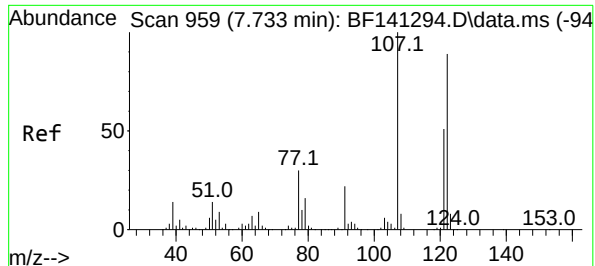
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#26
2-Nitrophenol
Concen: 51.545 ng
RT: 7.698 min Scan# 953
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:139 Resp: 242228
Ion Ratio Lower Upper
139 100
109 29.1 23.8 35.6
65 53.4 42.2 63.4





#27

2,4-Dimethylphenol

Concen: 49.969 ng m

RT: 7.734 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:122 Resp: 300079

Ion Ratio Lower Upper

122 100

107 112.0 89.9 134.9

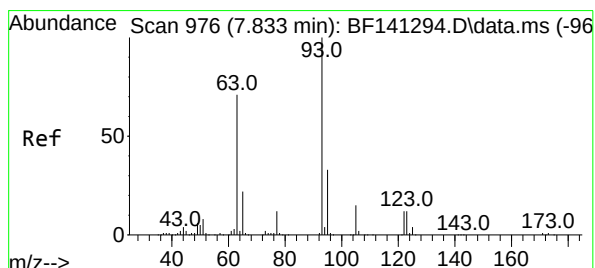
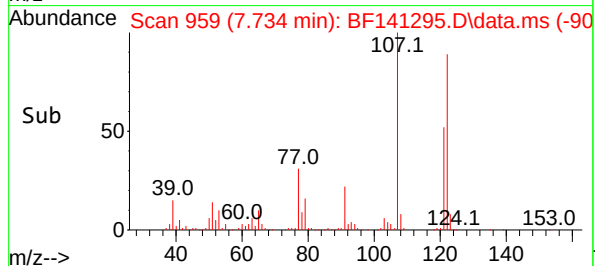
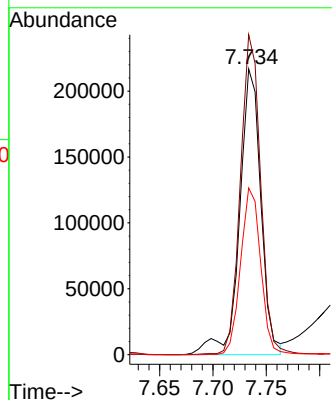
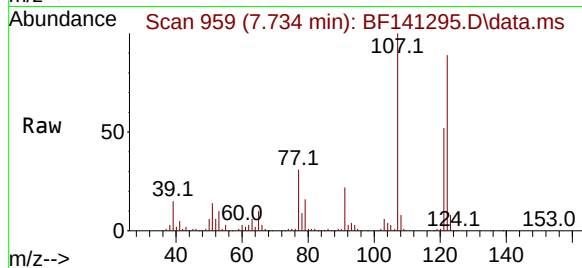
121 58.3 46.1 69.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#28

bis(2-Chloroethoxy)methane

Concen: 48.701 ng

RT: 7.833 min Scan# 976

Delta R.T. 0.000 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

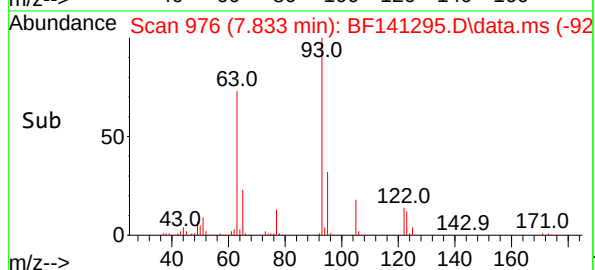
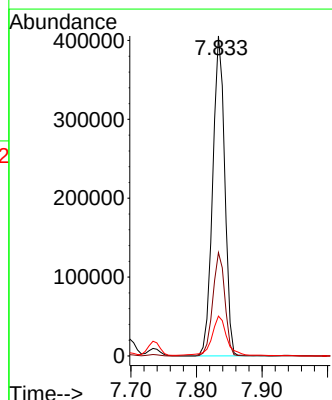
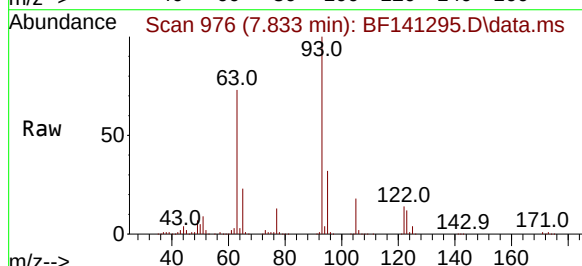
Tgt Ion: 93 Resp: 518825

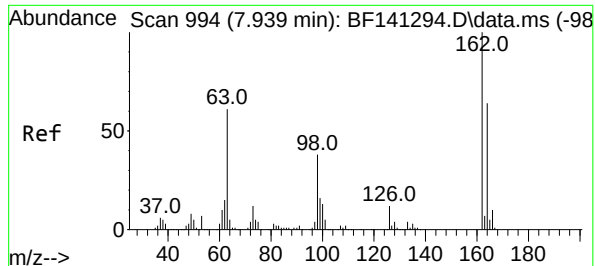
Ion Ratio Lower Upper

93 100

95 32.3 26.2 39.2

123 12.4 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 49.507 ng

RT: 7.939 min Scan# 994

Delta R.T. 0.000 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:162 Resp: 363274

Ion Ratio Lower Upper

162 100

164 64.2 44.2 84.2

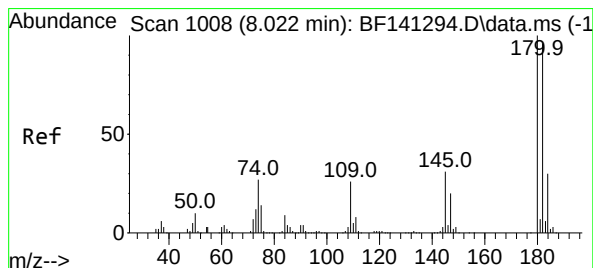
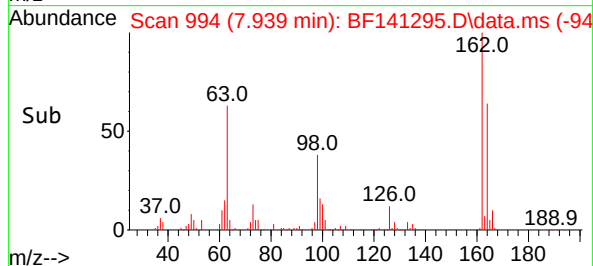
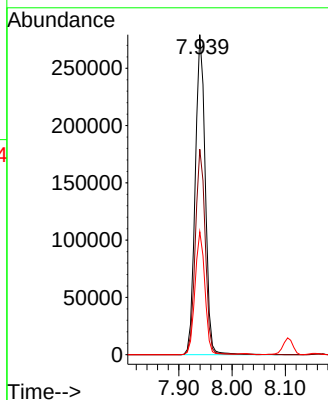
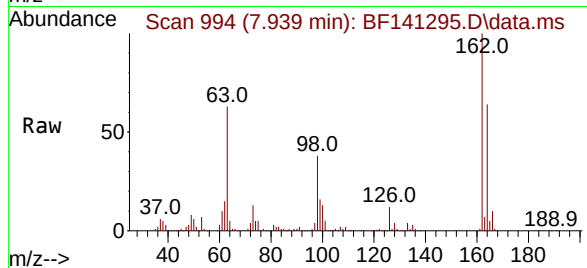
98 38.4 18.2 58.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#30

1,2,4-Trichlorobenzene

Concen: 48.309 ng

RT: 8.022 min Scan# 1008

Delta R.T. 0.000 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

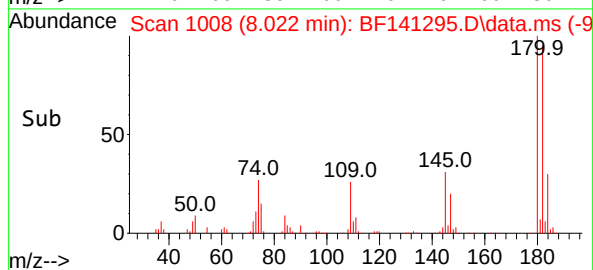
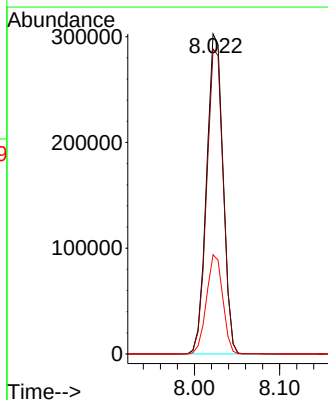
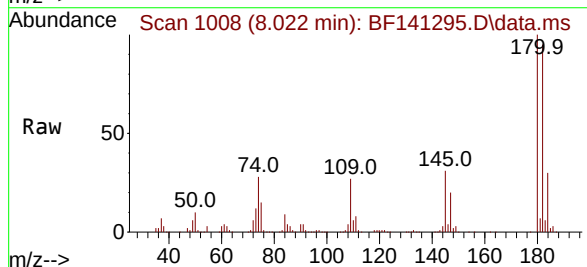
Tgt Ion:180 Resp: 406562

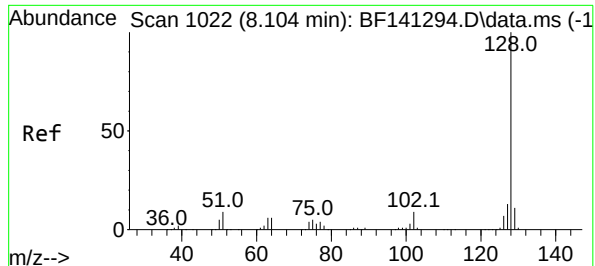
Ion Ratio Lower Upper

180 100

182 95.3 76.4 114.6

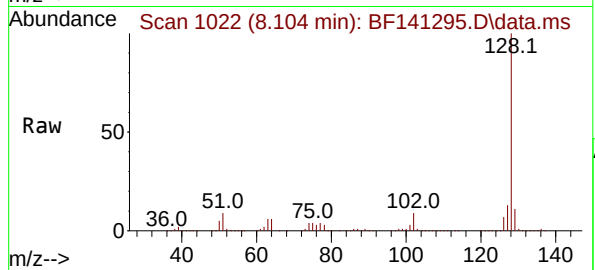
145 31.0 24.9 37.3





#31
Naphthalene
Concen: 48.468 ng
RT: 8.104 min Scan# 1022
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

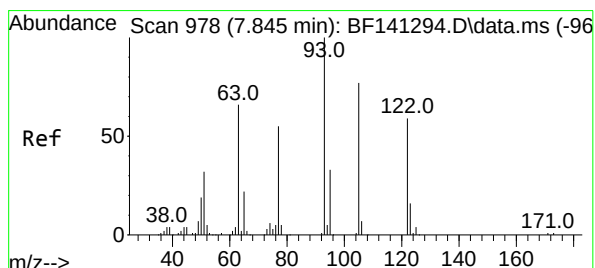
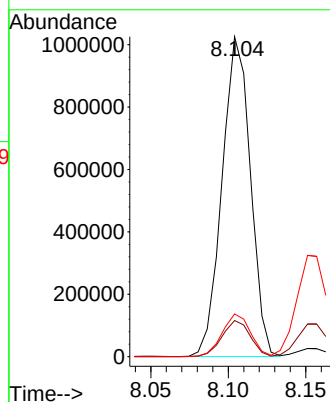
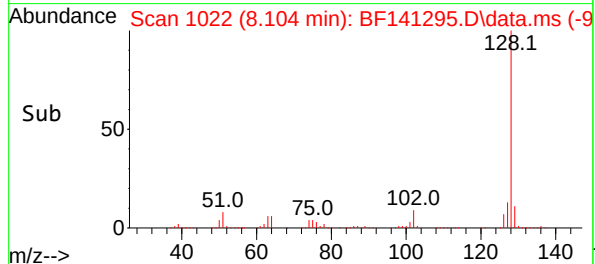
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:128 Resp: 1304758
Ion Ratio Lower Upper
128 100
129 11.3 8.9 13.3
127 13.3 10.6 15.8

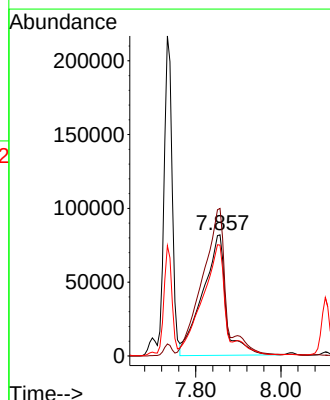
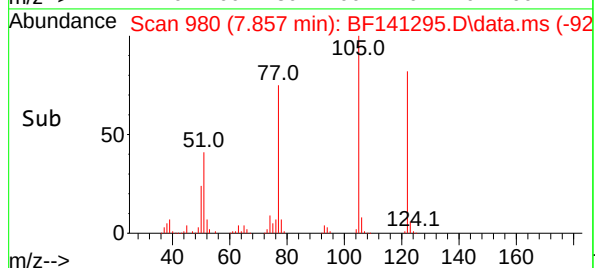
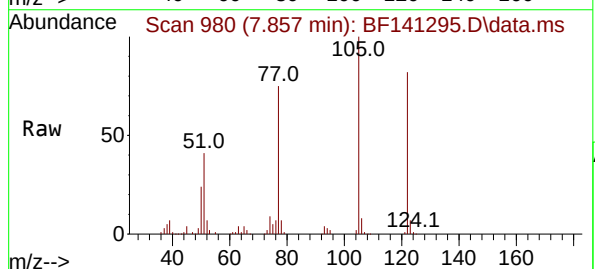
Manual Integrations
APPROVED

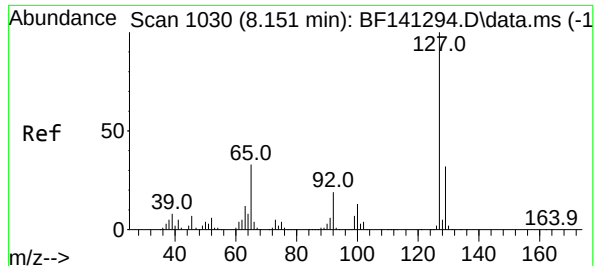
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#32
Benzoic acid
Concen: 56.571 ng
RT: 7.857 min Scan# 980
Delta R.T. 0.012 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

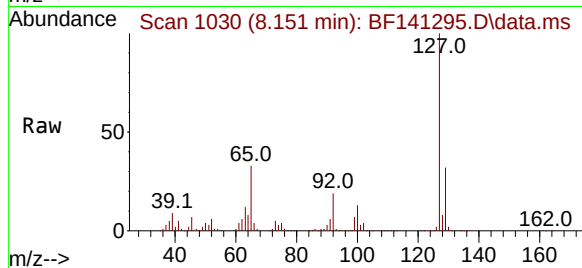
Tgt Ion:122 Resp: 308525
Ion Ratio Lower Upper
122 100
105 121.7 103.4 143.4
77 91.5 70.9 110.9





#33
4-Chloroaniline
Concen: 49.712 ng
RT: 8.151 min Scan# 1030
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

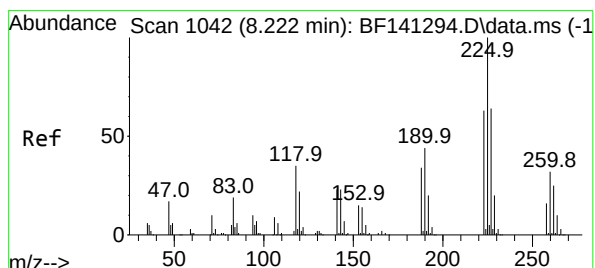
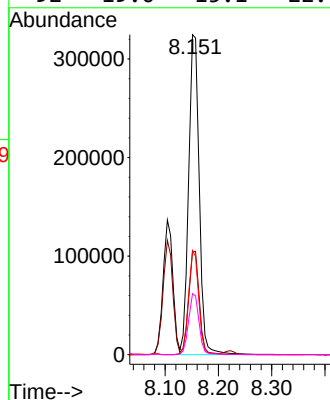
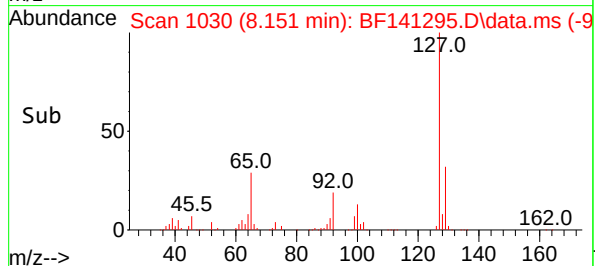
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:127 Resp: 44954
Ion Ratio Lower Upper
127 100
129 32.2 25.7 38.5
65 32.6 26.4 39.6
92 19.0 15.1 22.7

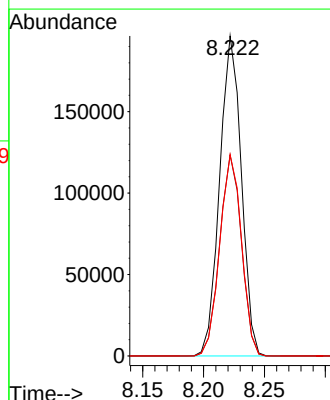
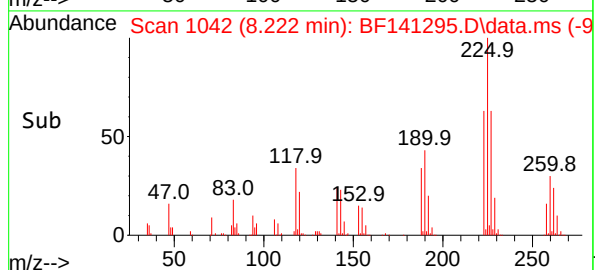
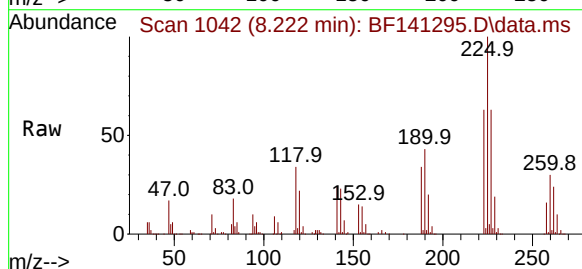
Manual Integrations
APPROVED

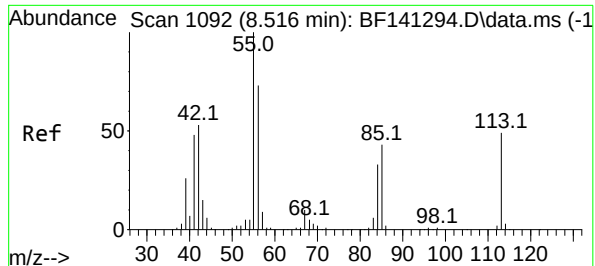
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#34
Hexachlorobutadiene
Concen: 49.395 ng
RT: 8.222 min Scan# 1042
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

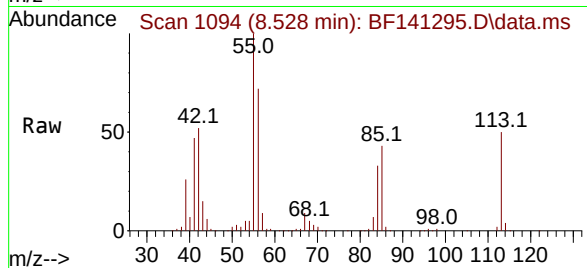
Tgt Ion:225 Resp: 243308
Ion Ratio Lower Upper
225 100
223 62.8 50.4 75.6
227 62.9 51.3 76.9





#35
Caprolactam
Concen: 50.594 ng
RT: 8.528 min Scan# 1094
Delta R.T. 0.012 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

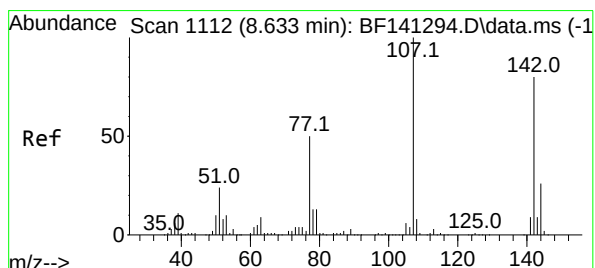
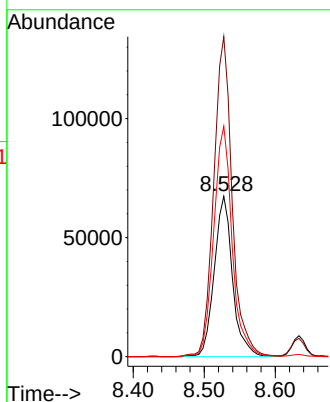
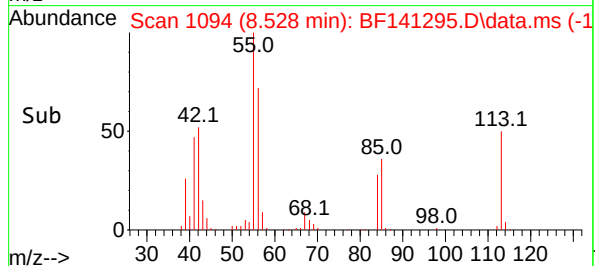
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:113 Resp: 120078
Ion Ratio Lower Upper
113 100
55 199.5 182.9 222.9
56 143.7 127.9 167.9

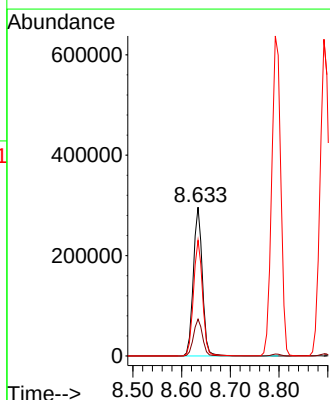
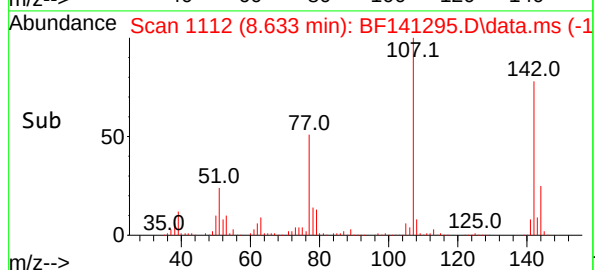
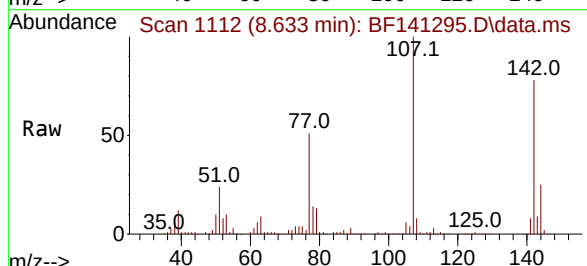
Manual Integrations
APPROVED

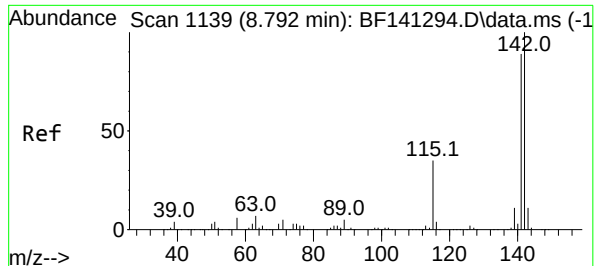
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#36
4-Chloro-3-methylphenol
Concen: 48.973 ng
RT: 8.633 min Scan# 1112
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:107 Resp: 385683
Ion Ratio Lower Upper
107 100
144 24.8 20.7 31.1
142 77.7 63.8 95.8





#37

2-Methylnaphthalene

Concen: 48.006 ng

RT: 8.792 min Scan# 1139

Delta R.T. 0.000 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:142 Resp: 822980

Ion Ratio Lower Upper

142 100

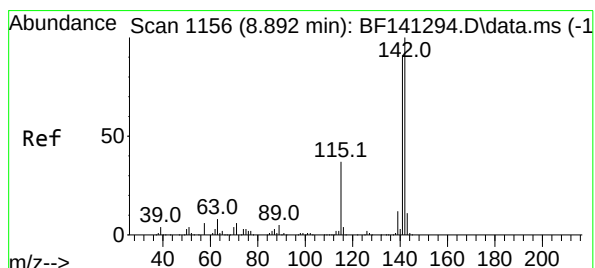
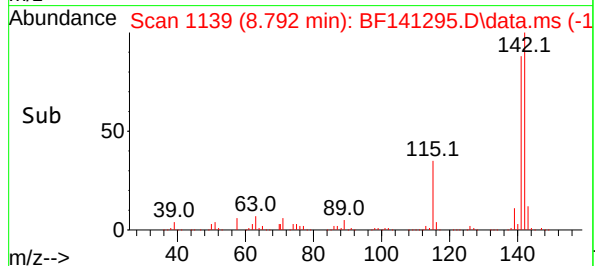
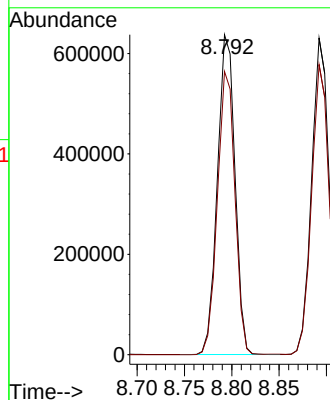
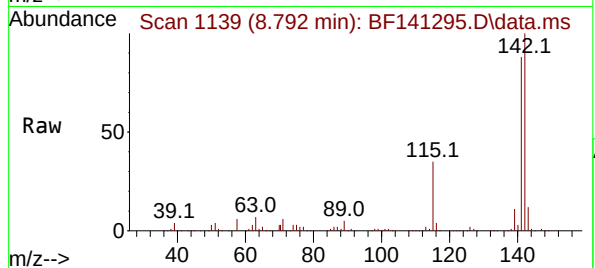
141 88.5 71.3 106.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#38

1-Methylnaphthalene

Concen: 47.586 ng

RT: 8.892 min Scan# 1156

Delta R.T. 0.000 min

Lab File: BF141295.D

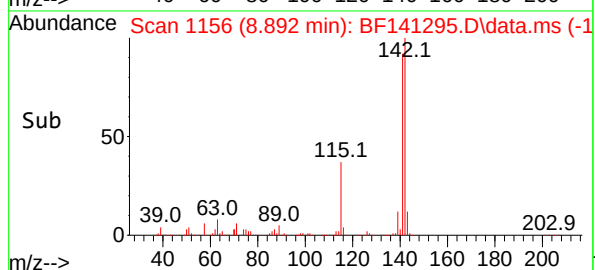
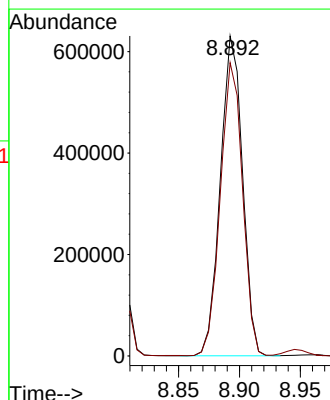
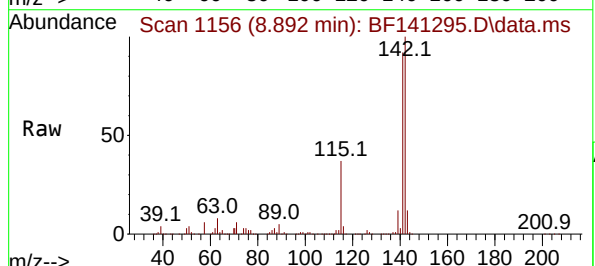
Acq: 29 Jan 2025 16:11

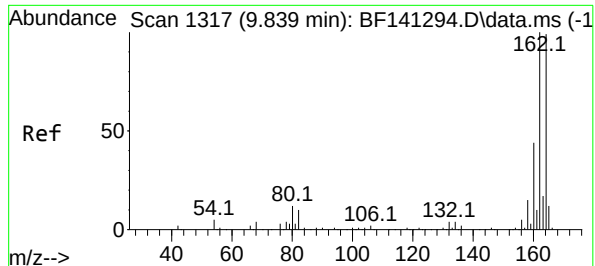
Tgt Ion:142 Resp: 799136

Ion Ratio Lower Upper

142 100

141 91.6 73.2 109.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.839 min Scan# 1167

Delta R.T. 0.000 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:164 Resp: 269662

Ion Ratio Lower Upper

164 100

162 100.1 80.6 121.0

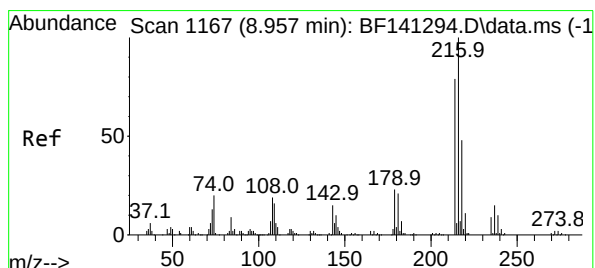
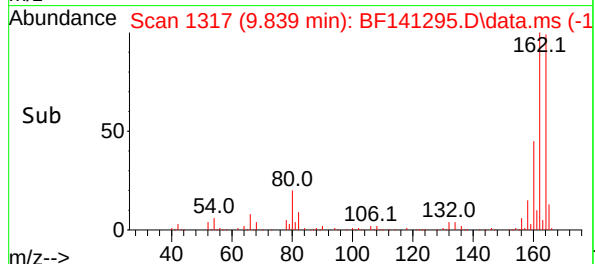
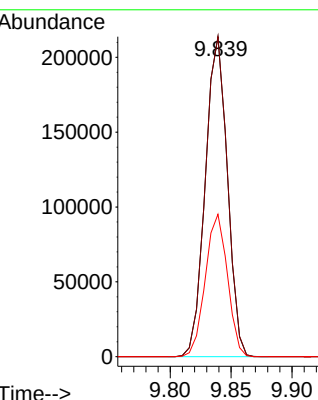
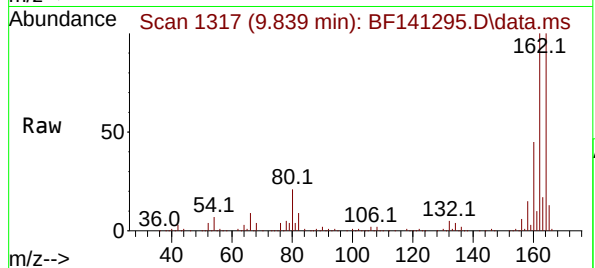
160 44.5 35.8 53.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 48.774 ng

RT: 8.963 min Scan# 1168

Delta R.T. 0.006 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

Tgt Ion:216 Resp: 373963

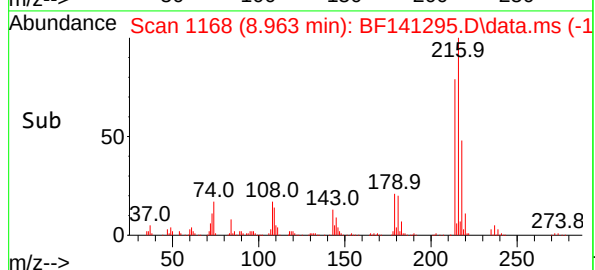
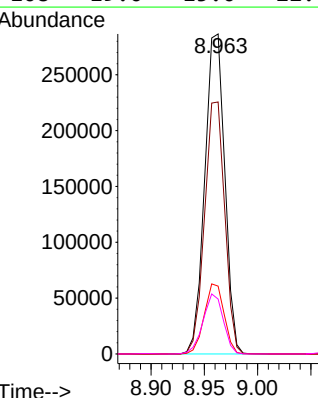
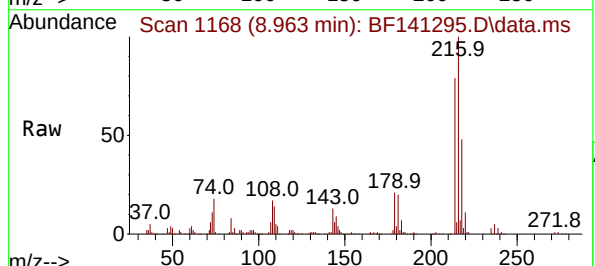
Ion Ratio Lower Upper

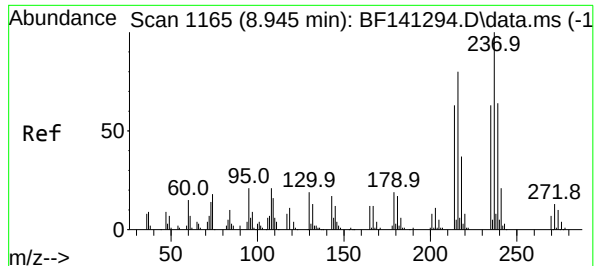
216 100

214 79.0 63.2 94.8

179 21.7 17.8 26.8

108 19.0 15.0 22.6





#41

Hexachlorocyclopentadiene

Concen: 53.227 ng

RT: 8.945 min Scan# 1165

Delta R.T. 0.000 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:237 Resp: 122470

Ion Ratio Lower Upper

237 100

235 63.0 42.9 82.9

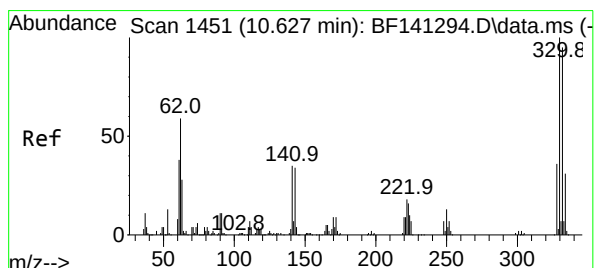
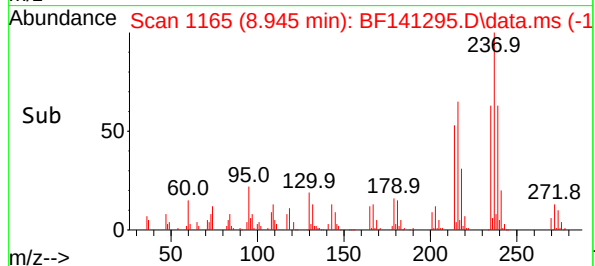
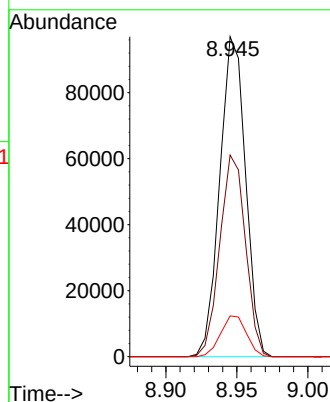
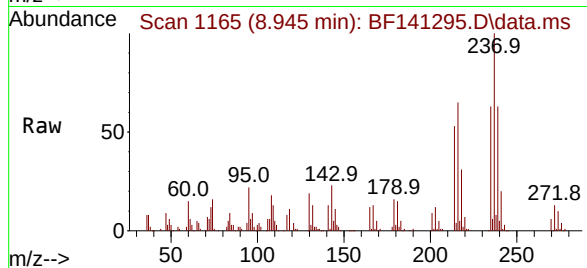
272 12.7 0.0 32.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#42

2,4,6-Tribromophenol

Concen: 95.997 ng

RT: 10.627 min Scan# 1451

Delta R.T. 0.000 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

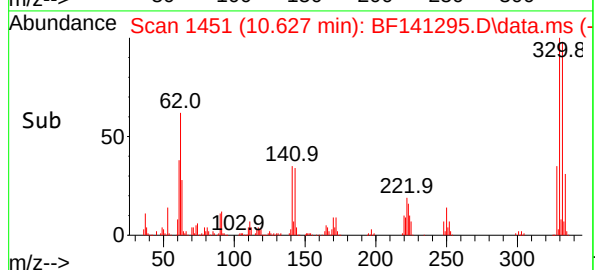
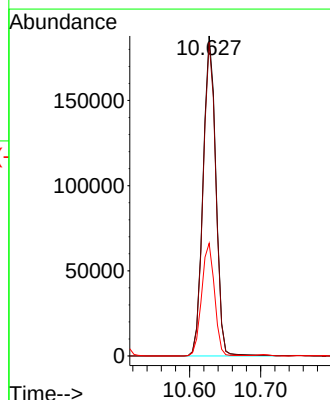
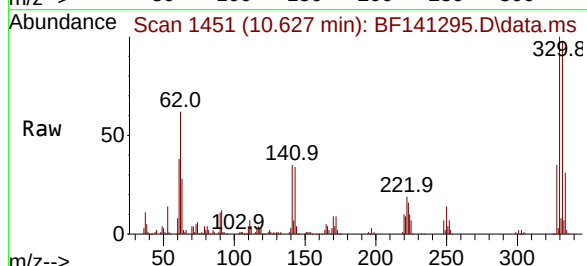
Tgt Ion:330 Resp: 235884

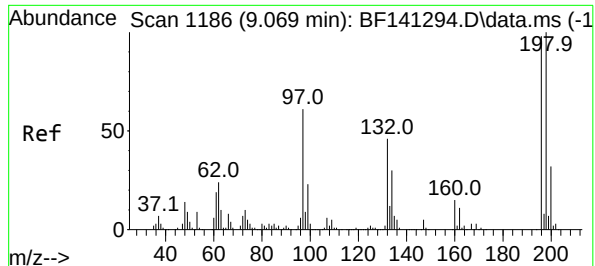
Ion Ratio Lower Upper

330 100

332 97.5 76.1 114.1

141 35.4 28.8 43.2





#43

2,4,6-Trichlorophenol

Concen: 50.545 ng

RT: 9.069 min Scan# 1186

Delta R.T. 0.000 min

Lab File: BF141295.D

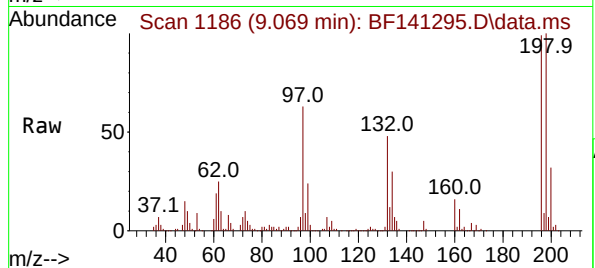
Acq: 29 Jan 2025 16:11

Instrument :

BNA_F

ClientSampleId :

SSTDICC050



Tgt Ion:196 Resp: 252974

Ion Ratio Lower Upper

196 100

198 100.5 81.8 122.6

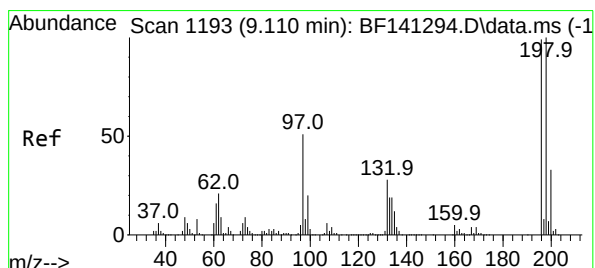
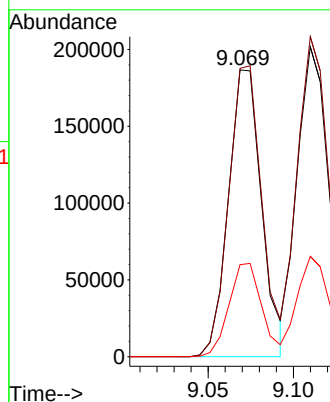
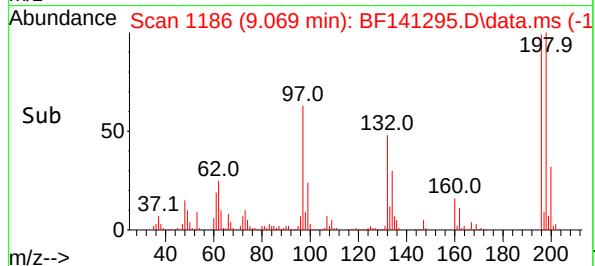
200 32.1 26.3 39.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#44

2,4,5-Trichlorophenol

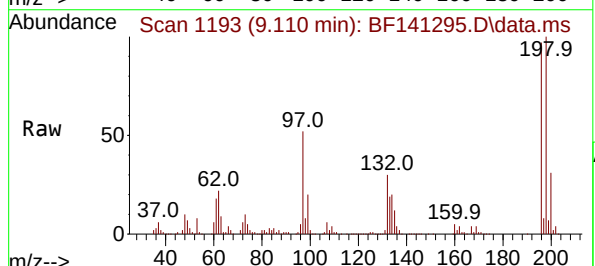
Concen: 48.438 ng

RT: 9.110 min Scan# 1193

Delta R.T. 0.000 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11



Tgt Ion:196 Resp: 263745

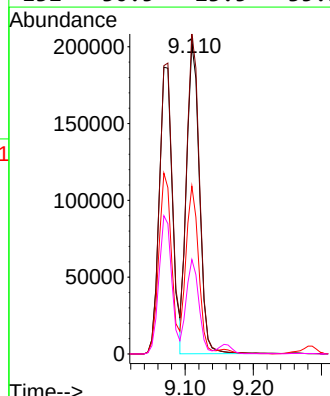
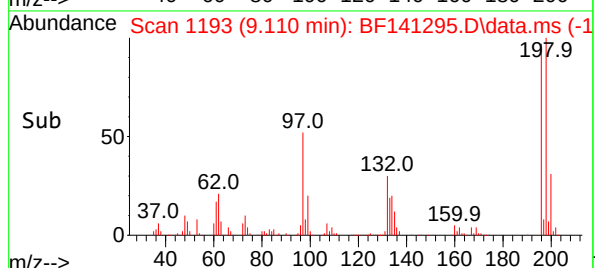
Ion Ratio Lower Upper

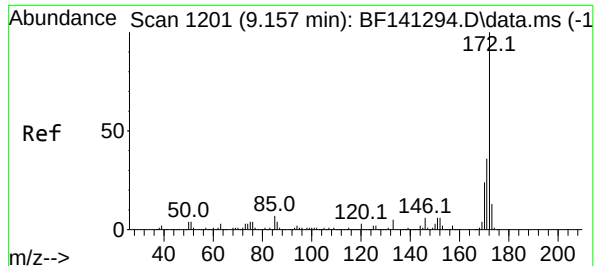
196 100

198 103.2 80.5 120.7

97 54.1 42.8 64.2

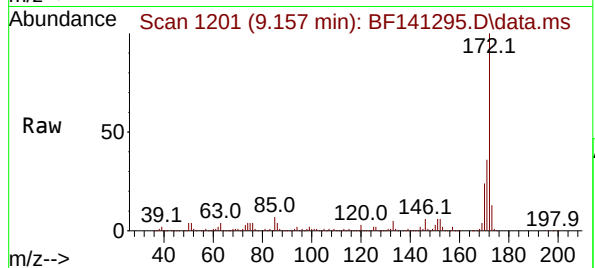
132 30.5 23.5 35.3





#45
2-Fluorobiphenyl
Concen: 92.721 ng
RT: 9.157 min Scan# 1201
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

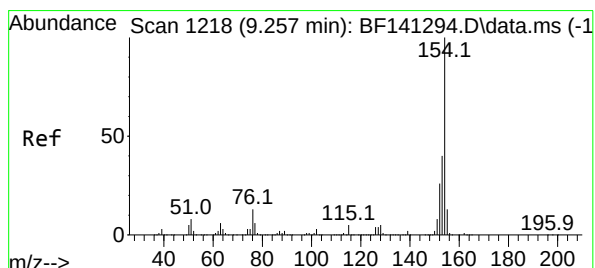
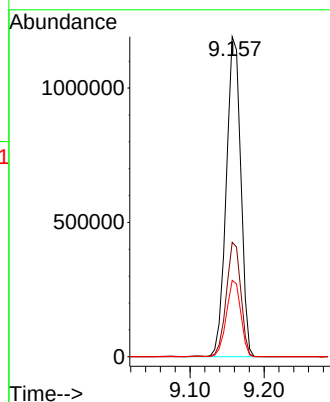
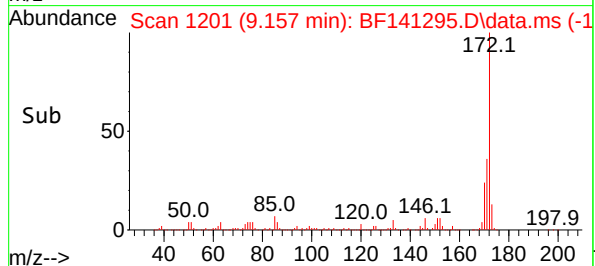
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:172 Resp: 1620825
Ion Ratio Lower Upper
172 100
171 35.7 28.8 43.2
170 23.8 19.0 28.6

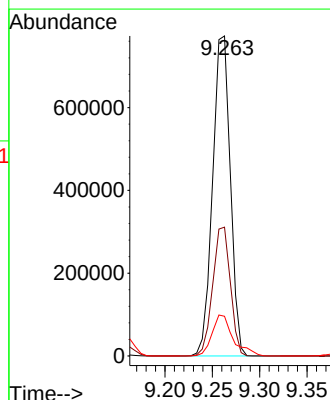
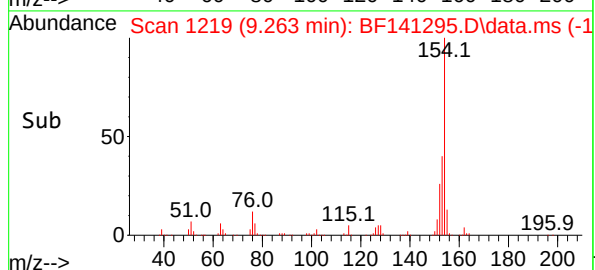
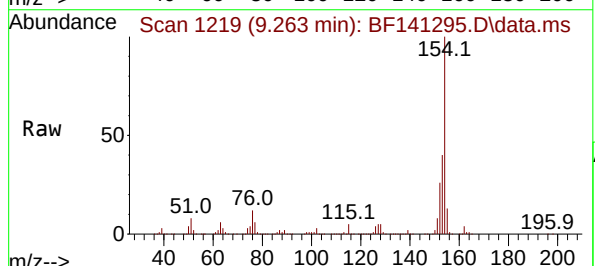
Manual Integrations
APPROVED

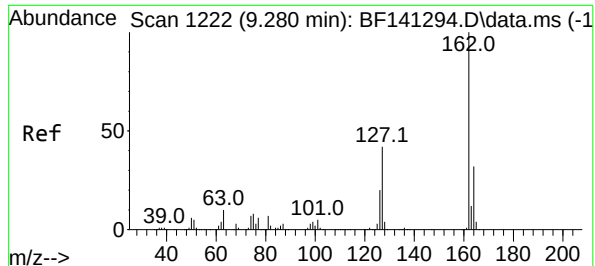
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#46
1,1'-Biphenyl
Concen: 47.808 ng
RT: 9.263 min Scan# 1219
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:154 Resp: 1005774
Ion Ratio Lower Upper
154 100
153 40.3 20.0 60.0
76 12.4 0.0 32.8





#47

2-Chloronaphthalene

Concen: 47.835 ng

RT: 9.286 min Scan# 1222

Delta R.T. 0.006 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:162 Resp: 78161

Ion Ratio Lower Upper

162 100

127 41.3 33.7 50.5

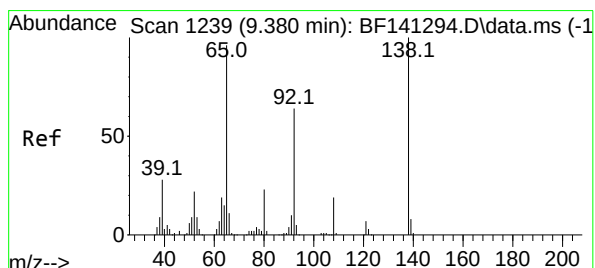
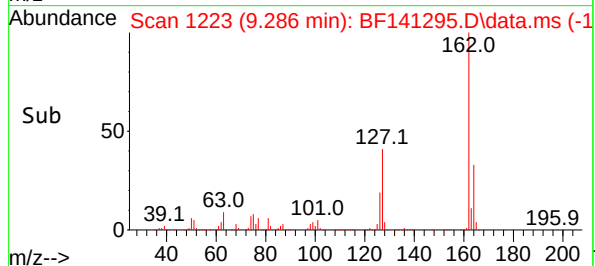
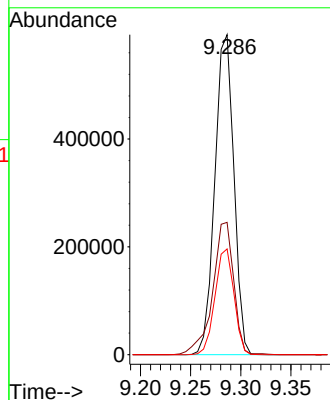
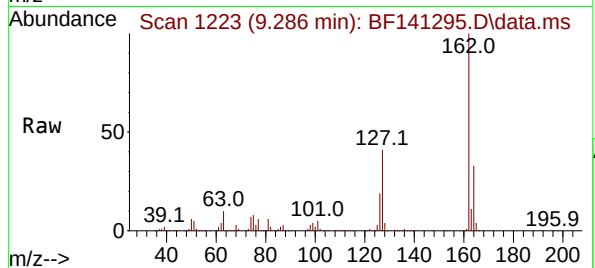
164 33.0 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#48

2-Nitroaniline

Concen: 49.907 ng

RT: 9.380 min Scan# 1239

Delta R.T. 0.000 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

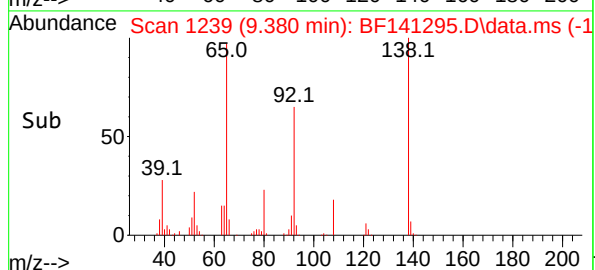
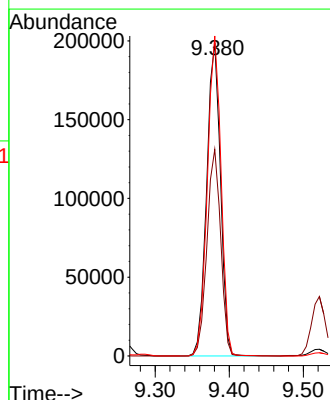
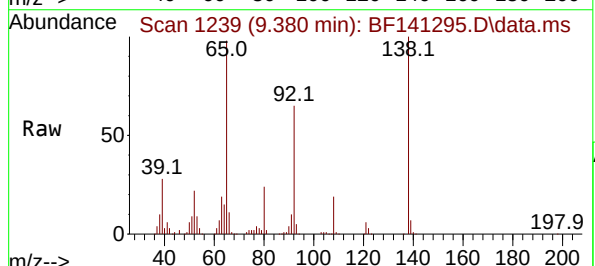
Tgt Ion: 65 Resp: 257199

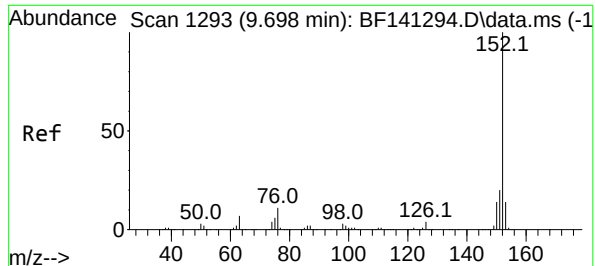
Ion Ratio Lower Upper

65 100

92 66.0 53.3 79.9

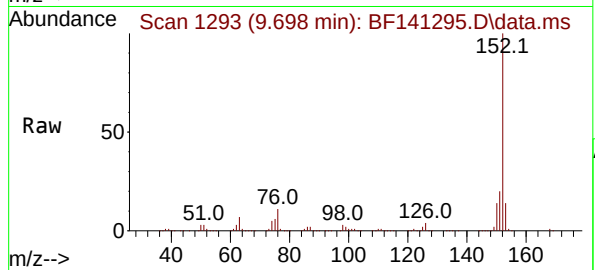
138 102.3 83.6 125.4





#49
Acenaphthylene
Concen: 47.595 ng
RT: 9.698 min Scan# 1293
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

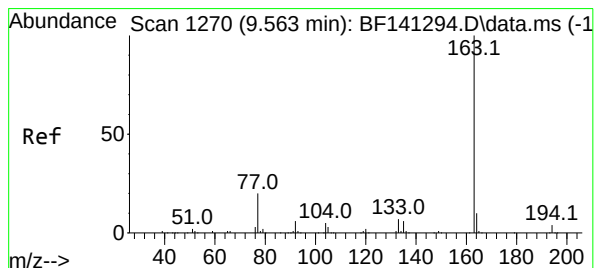
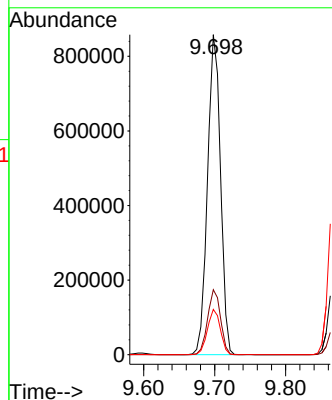
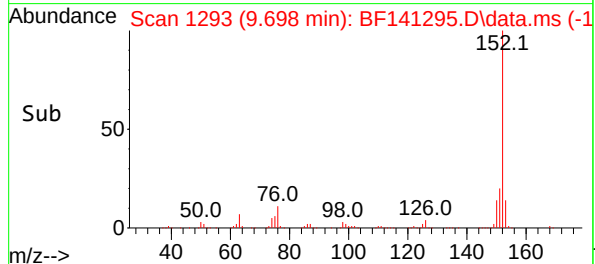
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



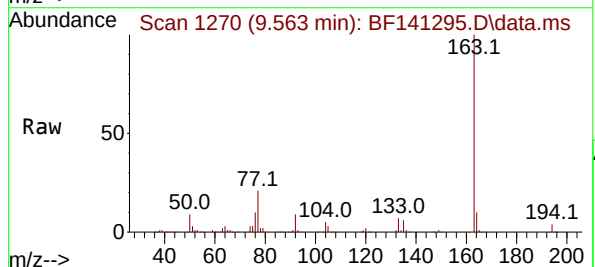
Tgt Ion:152 Resp: 1092234
Ion Ratio Lower Upper
152 100
151 20.3 16.2 24.2
153 14.2 11.0 16.6

Manual Integrations
APPROVED

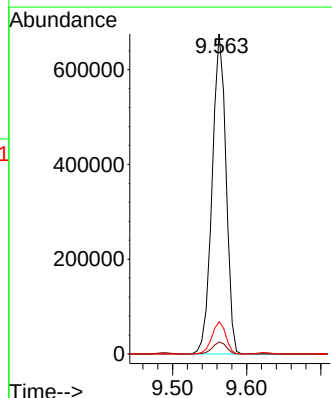
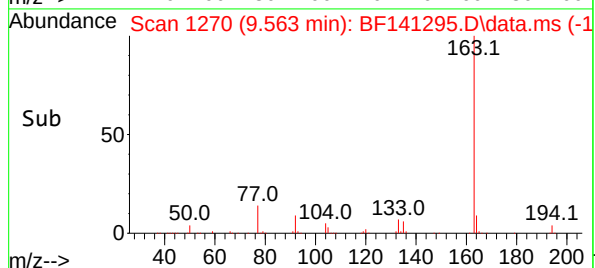
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

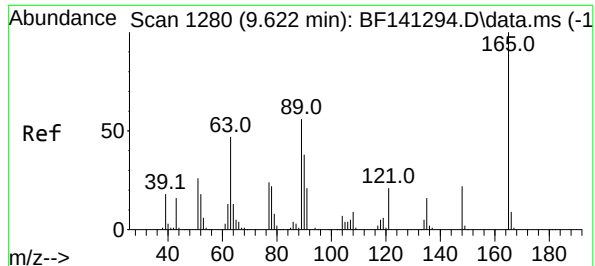


#50
Dimethylphthalate
Concen: 48.419 ng
RT: 9.563 min Scan# 1270
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11



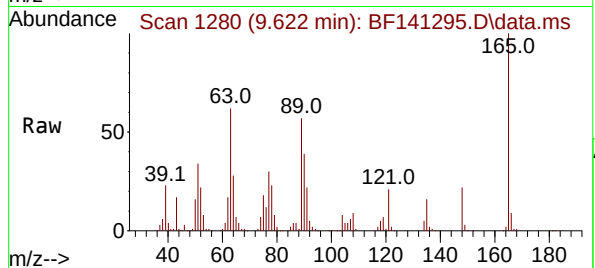
Tgt Ion:163 Resp: 875569
Ion Ratio Lower Upper
163 100
194 3.8 3.0 4.6
164 10.1 8.0 12.0





#51
2,6-Dinitrotoluene
Concen: 48.697 ng
RT: 9.622 min Scan# 1280
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

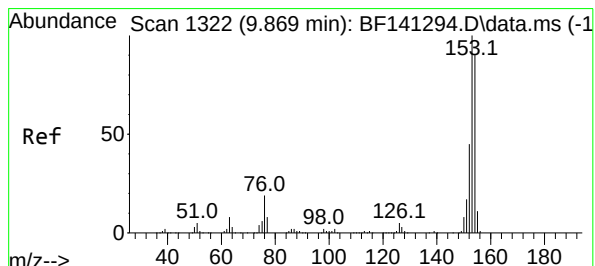
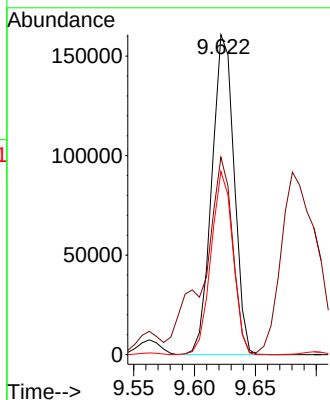
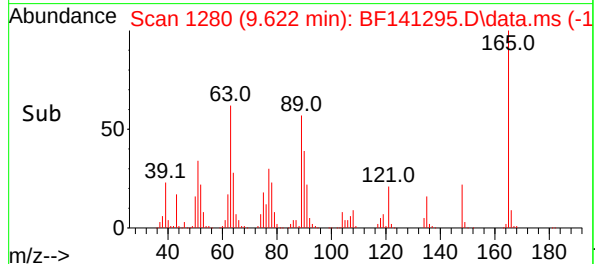
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:165 Resp: 20491
Ion Ratio Lower Upper
165 100
63 61.7 48.1 72.1
89 57.3 44.9 67.3

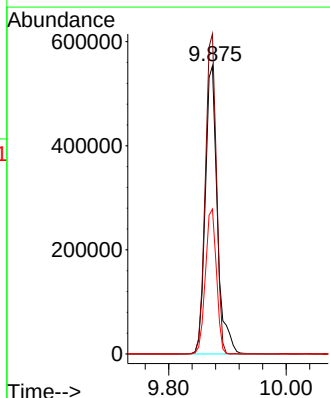
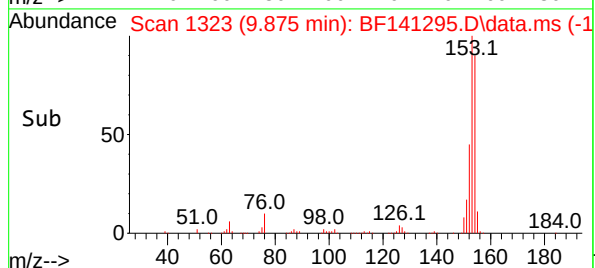
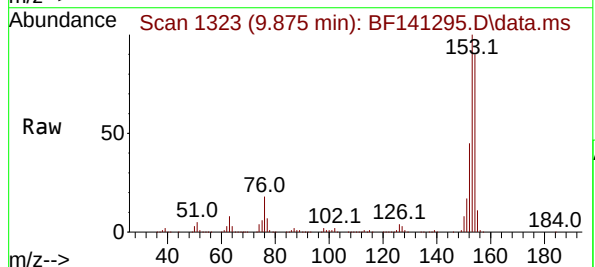
Manual Integrations
APPROVED

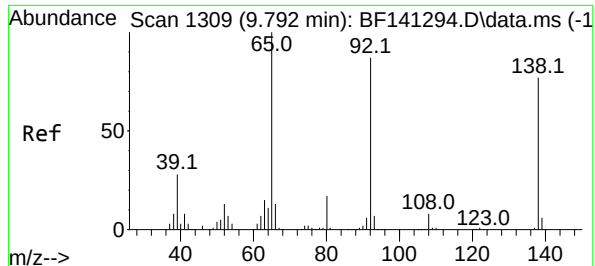
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#52
Acenaphthene
Concen: 48.322 ng
RT: 9.875 min Scan# 1323
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

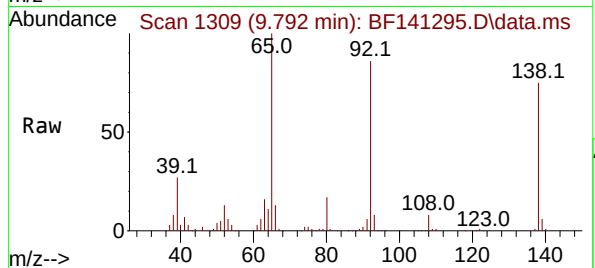
Tgt Ion:154 Resp: 789039
Ion Ratio Lower Upper
154 100
153 111.1 89.0 133.4
152 50.3 40.2 60.4





#53
3-Nitroaniline
Concen: 47.528 ng
RT: 9.792 min Scan# 1309
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

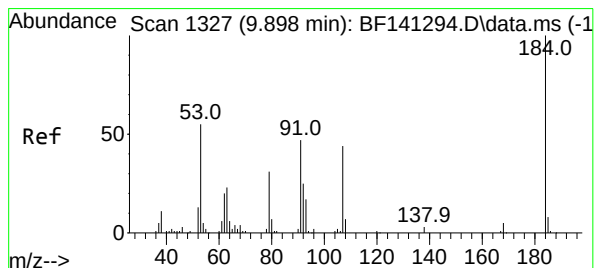
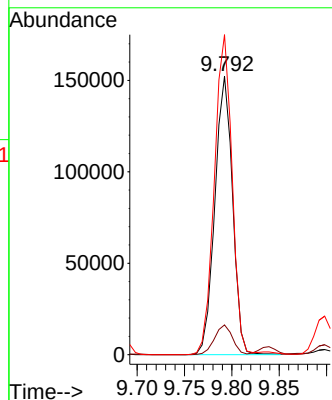
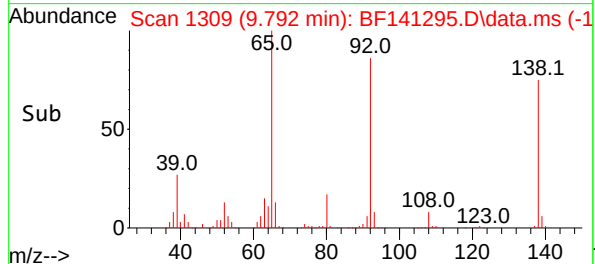
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:138 Resp: 197832
Ion Ratio Lower Upper
138 100
108 10.7 8.6 12.8
92 115.0 91.0 136.6

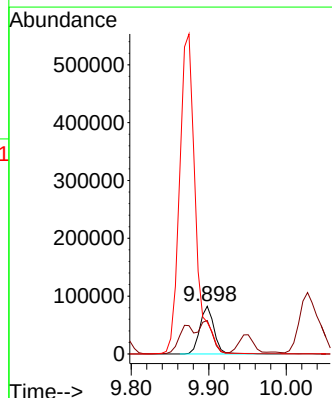
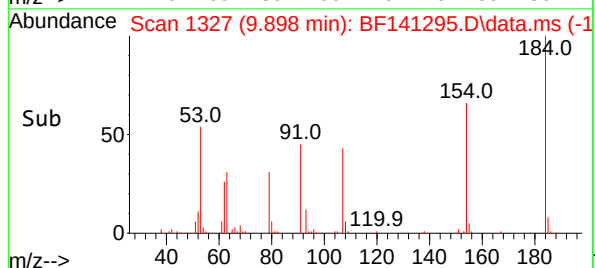
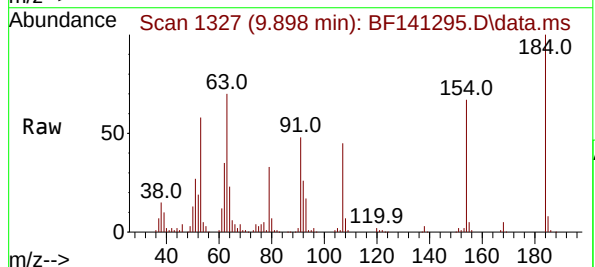
Manual Integrations
APPROVED

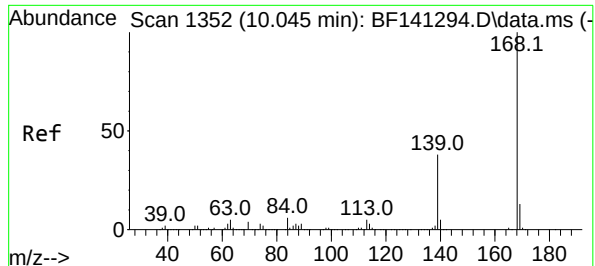
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#54
2,4-Dinitrophenol
Concen: 53.096 ng
RT: 9.898 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

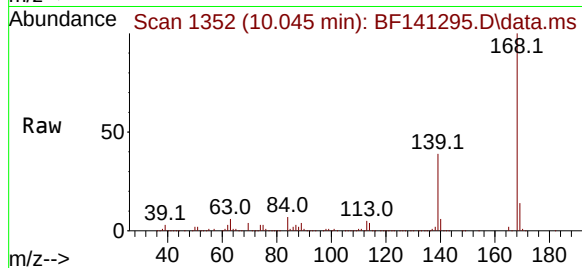
Tgt Ion:184 Resp: 105313
Ion Ratio Lower Upper
184 100
63 70.3 54.1 81.1
154 66.8 50.7 76.1





#55
Dibenzenofuran
Concen: 47.082 ng
RT: 10.045 min Scan# 1352
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

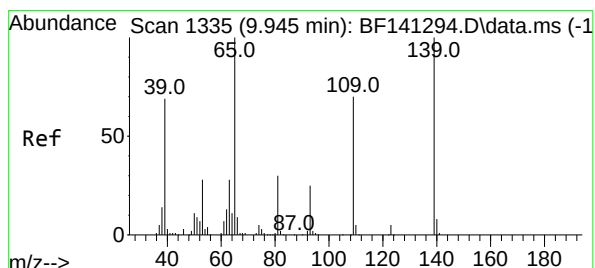
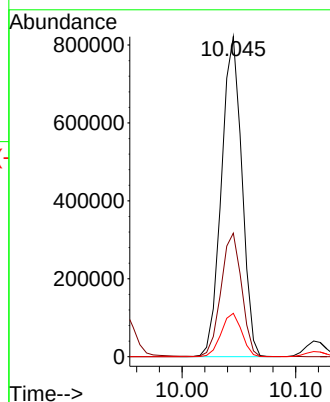
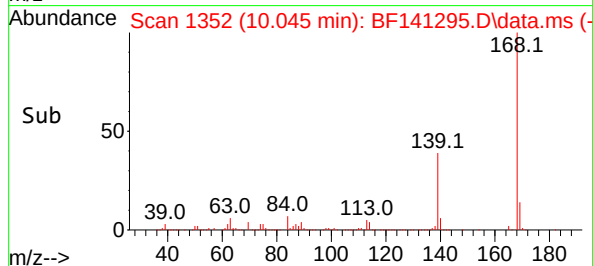
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:168 Resp: 102818
Ion Ratio Lower Upper
168 100
139 38.6 30.6 46.0
169 13.6 10.8 16.2

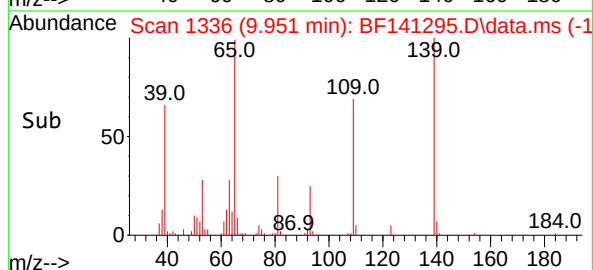
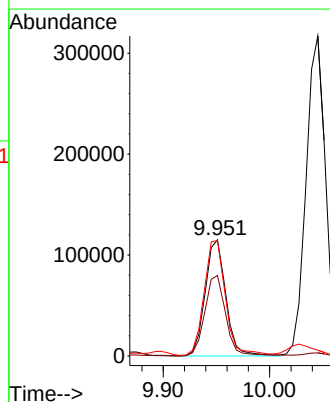
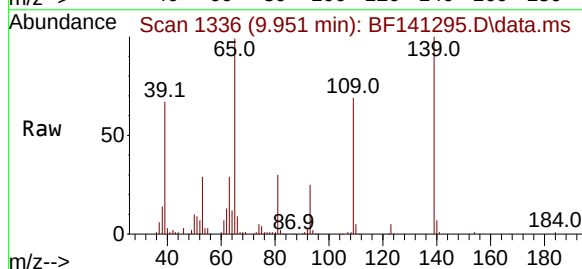
Manual Integrations
APPROVED

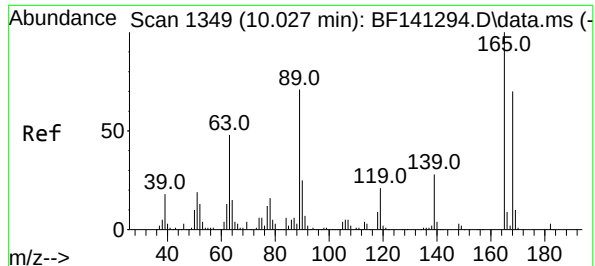
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#56
4-Nitrophenol
Concen: 52.067 ng
RT: 9.951 min Scan# 1336
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

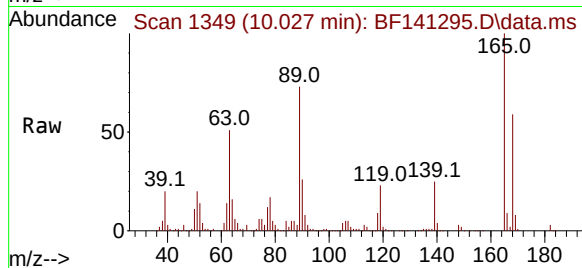
Tgt Ion:139 Resp: 155594
Ion Ratio Lower Upper
139 100
109 69.3 50.2 90.2
65 99.5 80.6 120.6





#57
2,4-Dinitrotoluene
Concen: 48.700 ng
RT: 10.027 min Scan# 1349
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

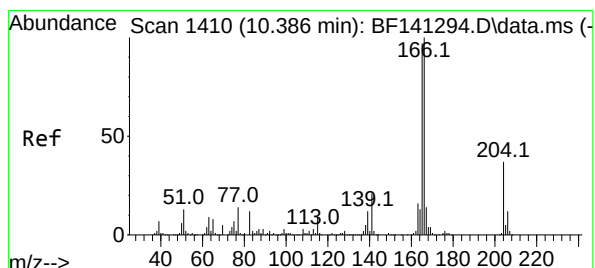
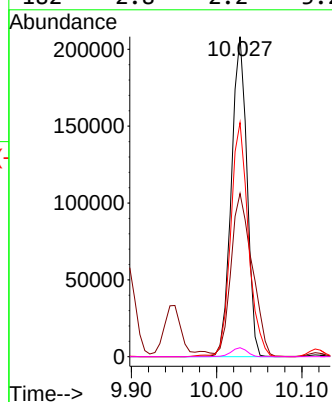
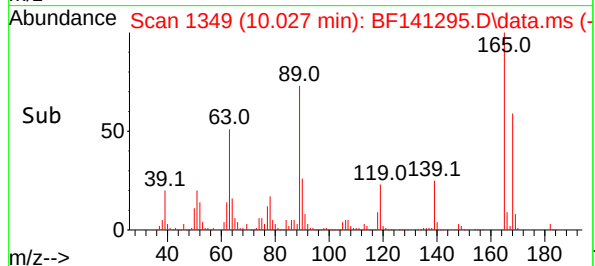
Instrument :
BNA_F
ClientSampleId :
SSTDIC050



Tgt Ion:165 Resp: 264329
Ion Ratio Lower Upper
165 100
63 51.0 39.2 58.8
89 73.1 56.9 85.3
182 2.8 2.2 3.2

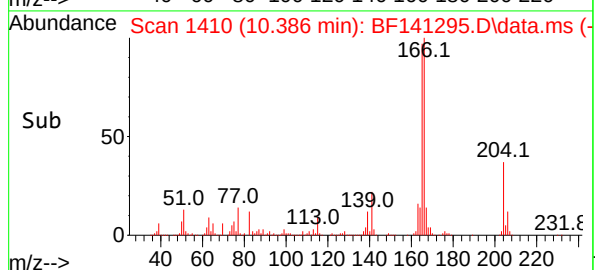
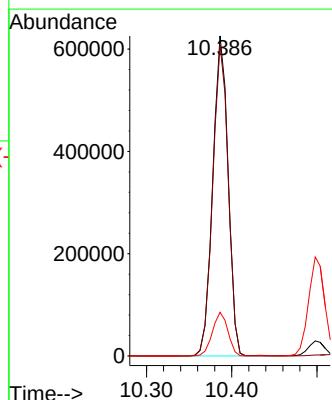
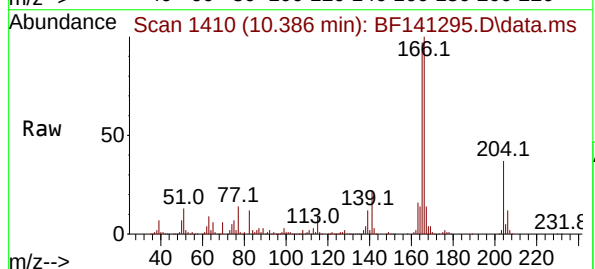
Manual Integrations
APPROVED

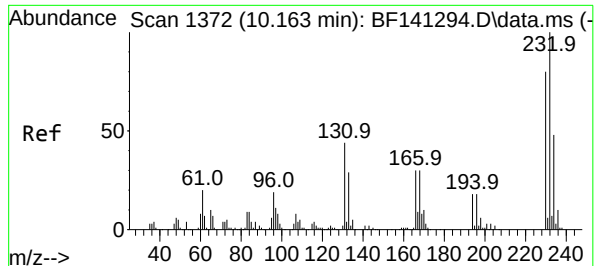
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#58
Fluorene
Concen: 46.215 ng
RT: 10.386 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

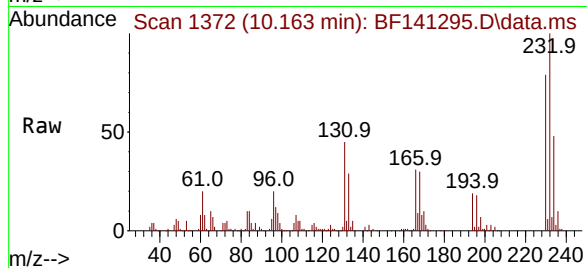
Tgt Ion:166 Resp: 784644
Ion Ratio Lower Upper
166 100
165 97.3 77.5 116.3
167 13.6 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 47.772 ng
RT: 10.163 min Scan# 1372
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

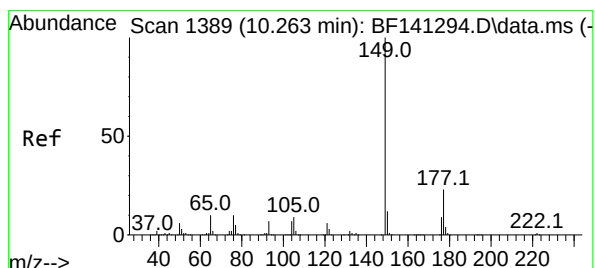
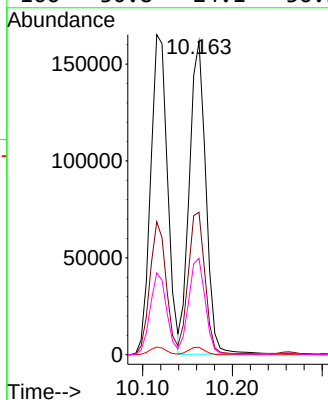
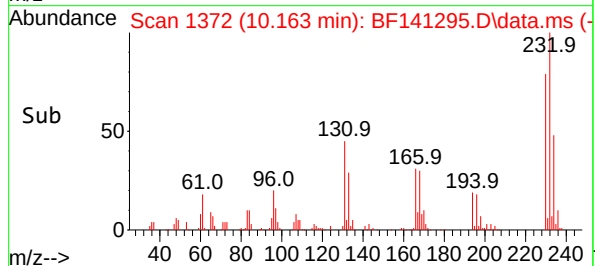
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:232 Resp: 205508
Ion Ratio Lower Upper
232 100
131 46.9 36.4 54.6
130 2.4 1.9 2.9
166 30.8 24.1 36.1

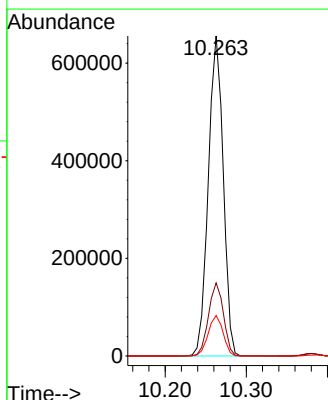
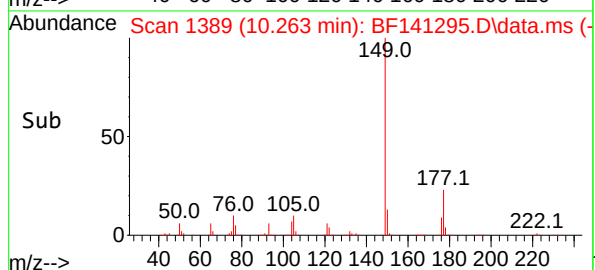
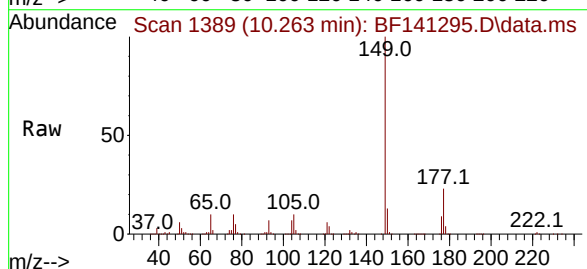
Manual Integrations
APPROVED

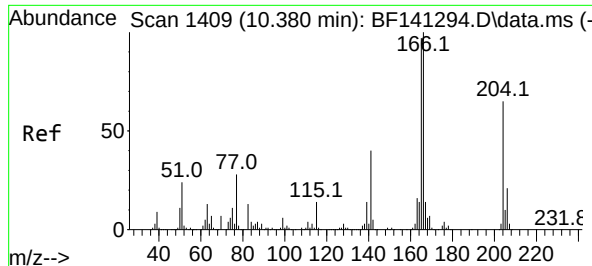
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#60
Diethylphthalate
Concen: 47.668 ng
RT: 10.263 min Scan# 1389
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

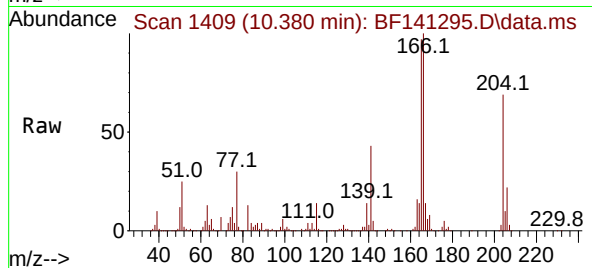
Tgt Ion:149 Resp: 834803
Ion Ratio Lower Upper
149 100
177 22.8 18.5 27.7
150 12.7 10.0 15.0





#61
4-Chlorophenyl-phenylether
Concen: 45.976 ng
RT: 10.380 min Scan# 1409
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

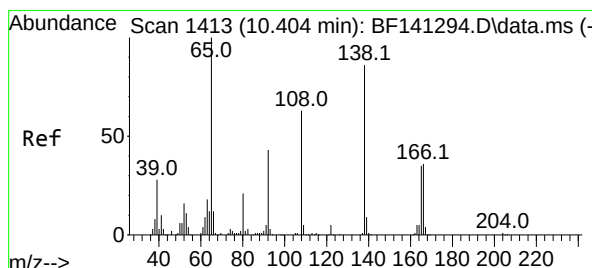
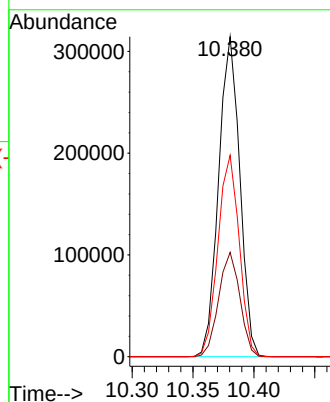
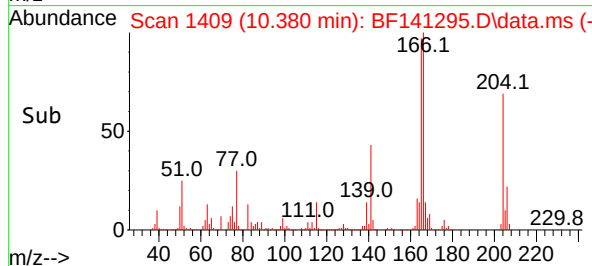
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



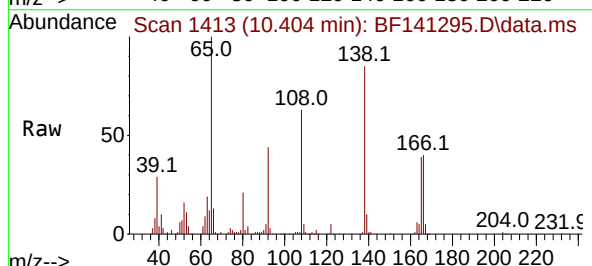
Tgt Ion:204 Resp: 380948
Ion Ratio Lower Upper
204 100
206 32.6 25.9 38.9
141 62.9 49.5 74.3

Manual Integrations
APPROVED

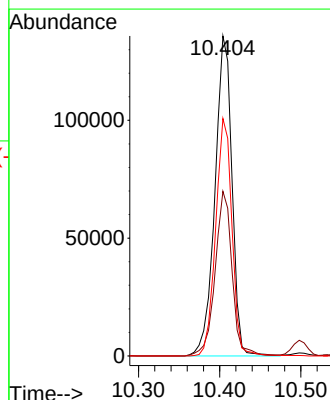
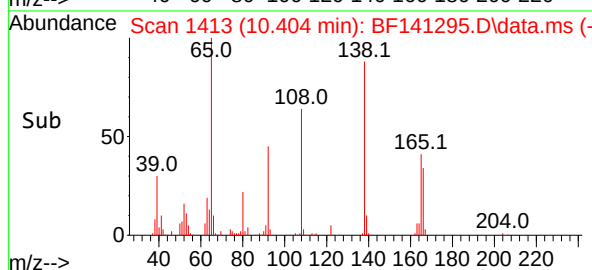
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

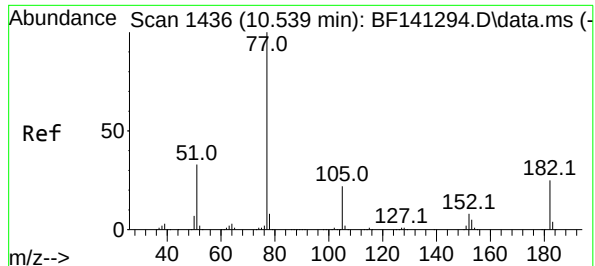


#62
4-Nitroaniline
Concen: 49.579 ng
RT: 10.404 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11



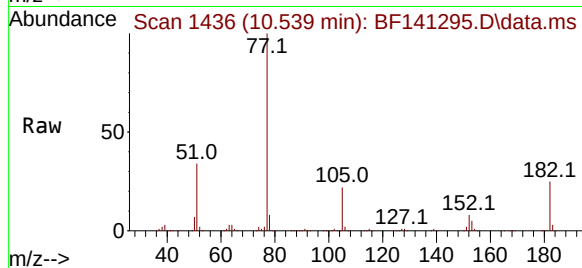
Tgt Ion:138 Resp: 198241
Ion Ratio Lower Upper
138 100
92 51.5 30.1 70.1
108 74.2 53.1 93.1





#63
Azobenzene
Concen: 47.955 ng
RT: 10.539 min Scan# 1436
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

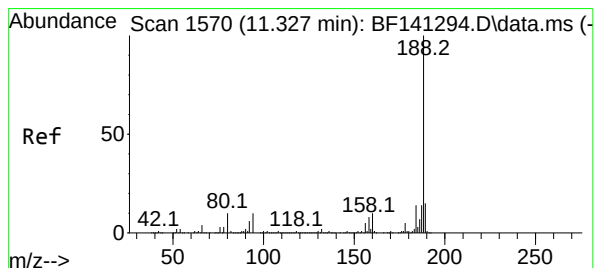
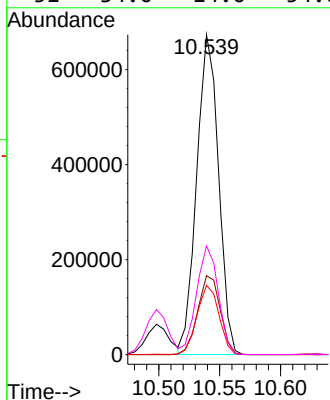
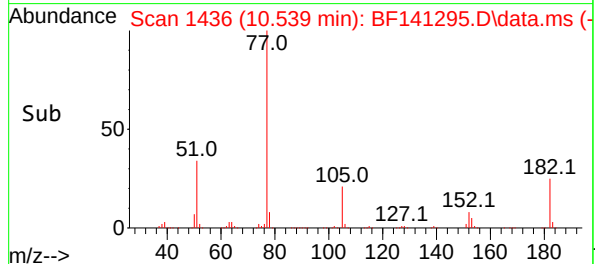
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion: 77 Resp: 84179
Ion Ratio Lower Upper
77 100
182 24.7 5.1 45.1
105 21.7 1.8 41.8
51 34.0 14.0 54.0

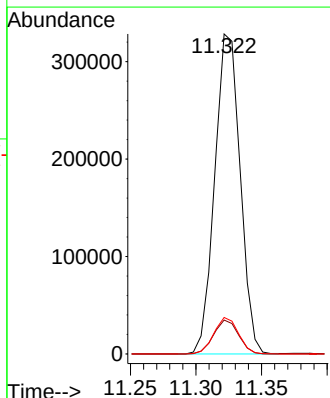
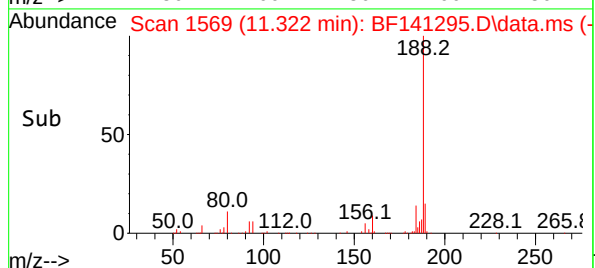
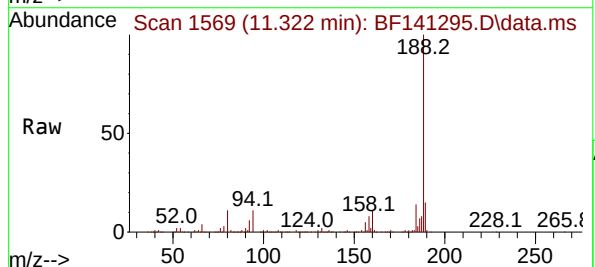
Manual Integrations
APPROVED

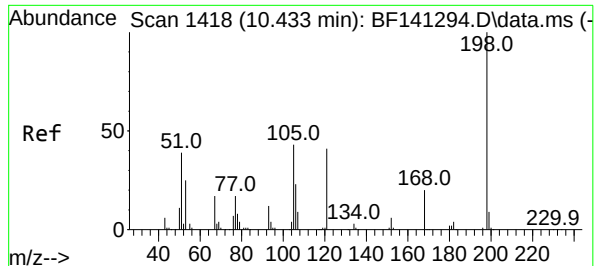
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

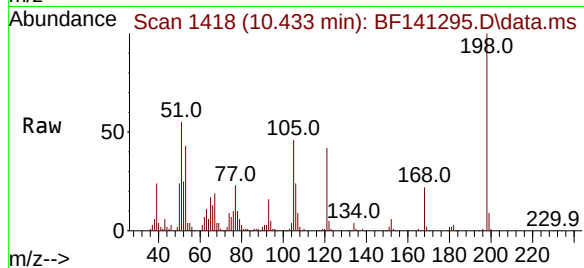
Tgt Ion:188 Resp: 442506
Ion Ratio Lower Upper
188 100
94 10.6 7.8 11.6
80 11.4 8.2 12.4





#65
4,6-Dinitro-2-methylphenol
Concen: 54.710 ng
RT: 10.433 min Scan# 1418
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

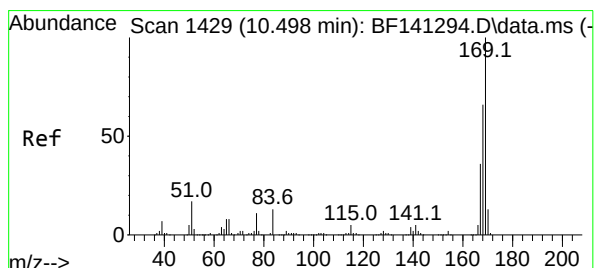
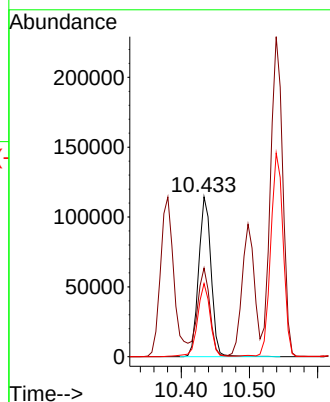
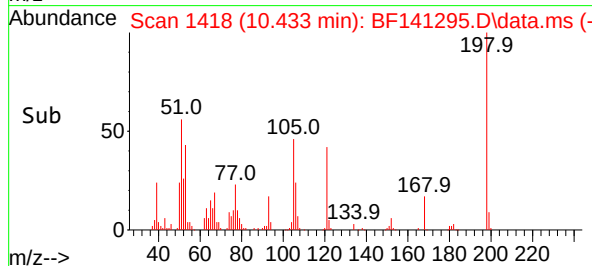
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:198 Resp: 144574
Ion Ratio Lower Upper
198 100
51 55.4 33.4 73.4
105 45.8 24.4 64.4

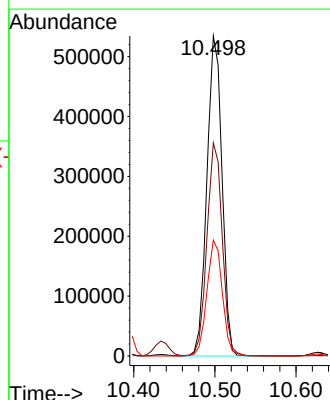
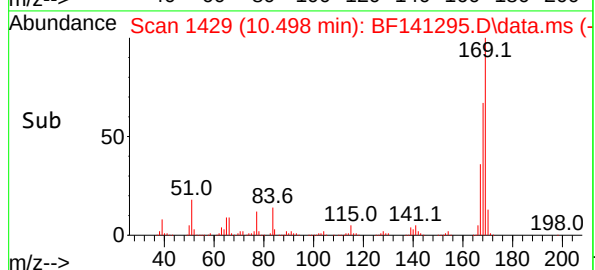
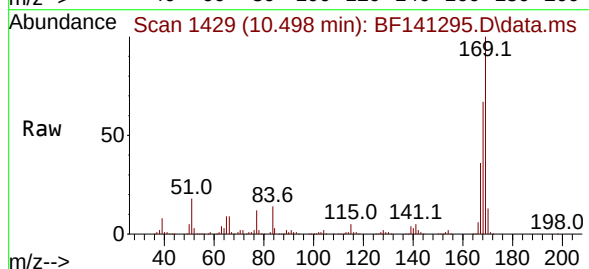
Manual Integrations
APPROVED

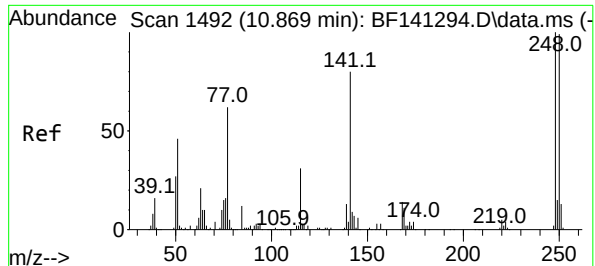
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#66
n-Nitrosodiphenylamine
Concen: 47.968 ng
RT: 10.498 min Scan# 1429
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

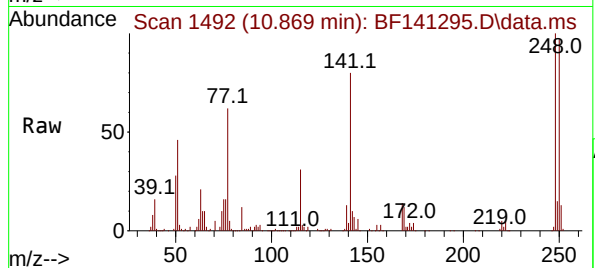
Tgt Ion:169 Resp: 688202
Ion Ratio Lower Upper
169 100
168 66.6 53.0 79.4
167 36.2 28.8 43.2





#67
4-Bromophenyl-phenylether
Concen: 48.745 ng
RT: 10.869 min Scan# 1492
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

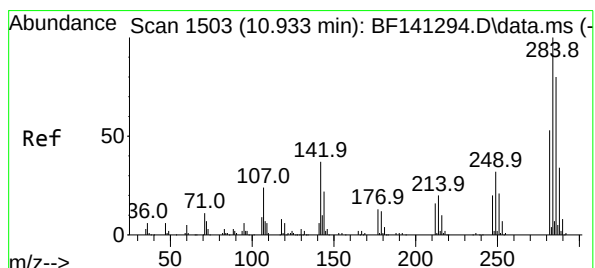
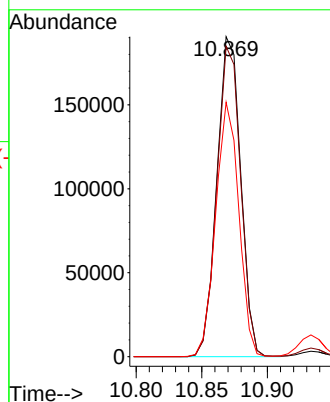
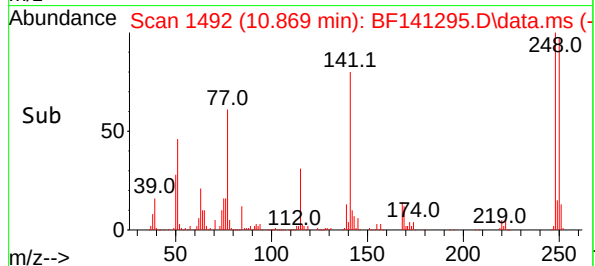
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



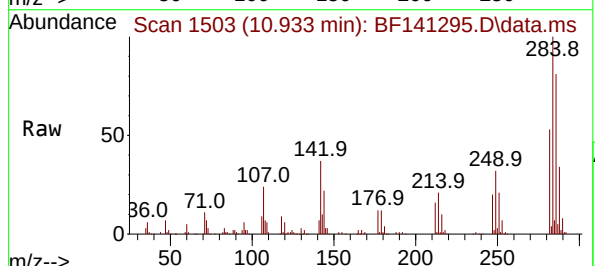
Tgt Ion:248 Resp: 241123
Ion Ratio Lower Upper
248 100
250 97.0 79.0 118.4
141 79.5 63.7 95.5

Manual Integrations
APPROVED

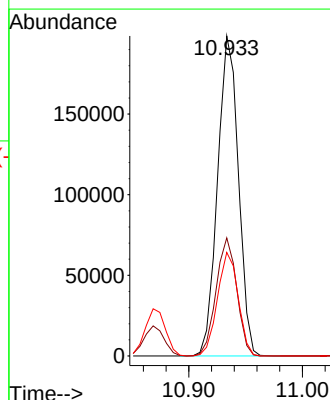
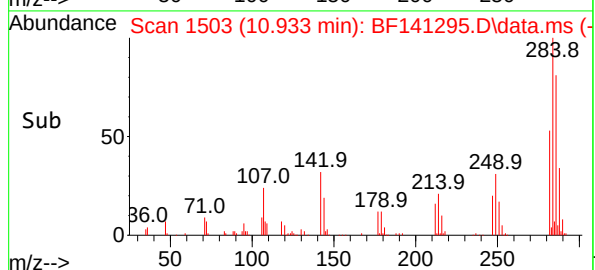
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

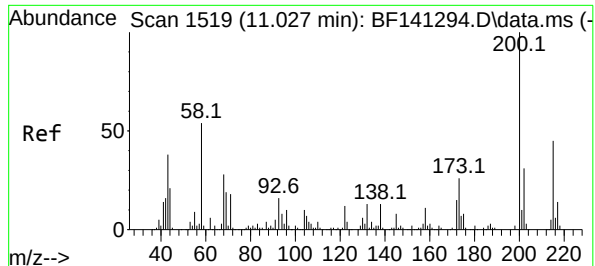


#68
Hexachlorobenzene
Concen: 48.250 ng
RT: 10.933 min Scan# 1503
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11



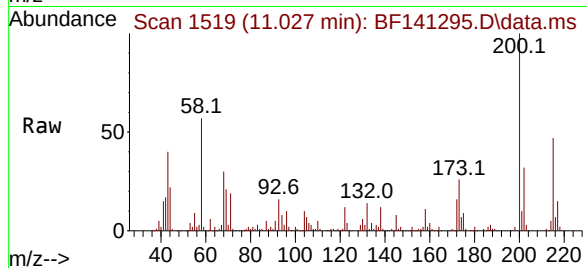
Tgt Ion:284 Resp: 253174
Ion Ratio Lower Upper
284 100
142 36.9 29.5 44.3
249 32.3 25.4 38.2





#69
Atrazine
Concen: 49.457 ng
RT: 11.027 min Scan# 1519
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

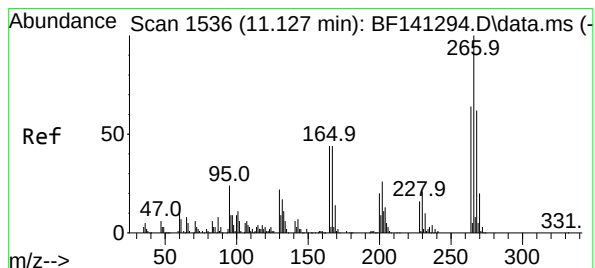
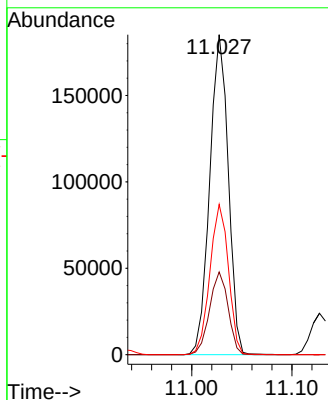
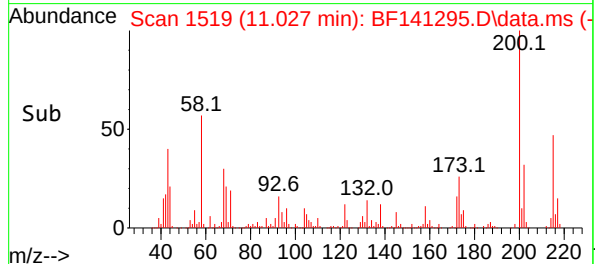
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



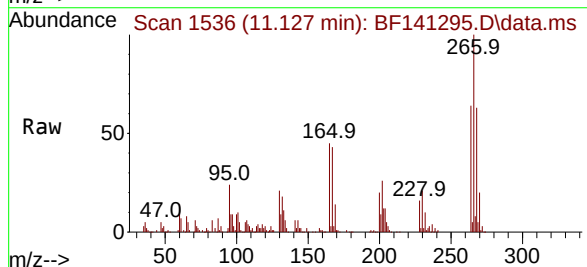
Tgt Ion:200 Resp: 23799
Ion Ratio Lower Upper
200 100
173 25.9 5.9 45.9
215 46.9 25.2 65.2

Manual Integrations
APPROVED

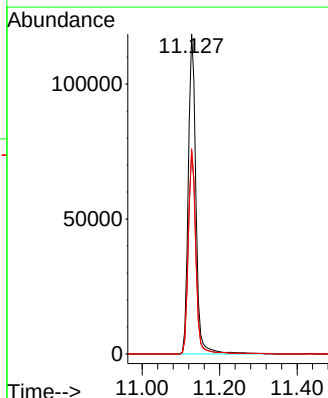
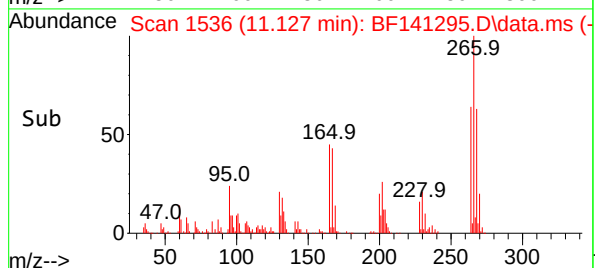
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

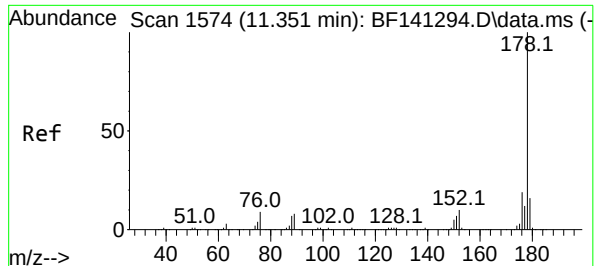


#70
Pentachlorophenol
Concen: 52.515 ng
RT: 11.127 min Scan# 1536
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11



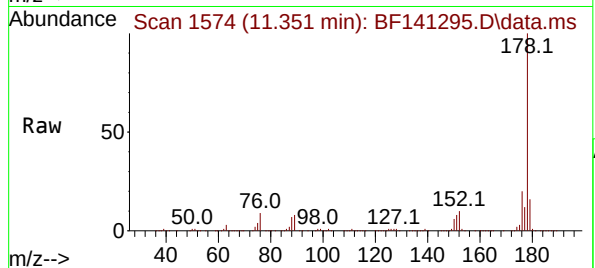
Tgt Ion:266 Resp: 161568
Ion Ratio Lower Upper
266 100
268 63.3 49.9 74.9
264 64.1 51.0 76.4





#71
Phenanthrene
Concen: 46.903 ng
RT: 11.351 min Scan# 1574
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

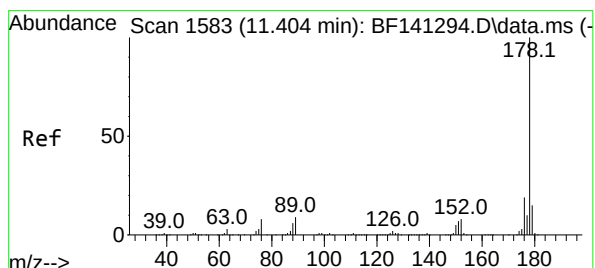
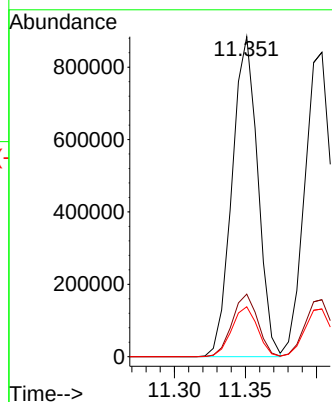
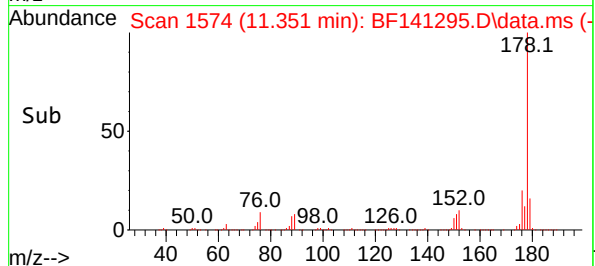
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:178 Resp: 1114920
Ion Ratio Lower Upper
178 100
176 19.5 15.3 22.9
179 15.6 12.5 18.7

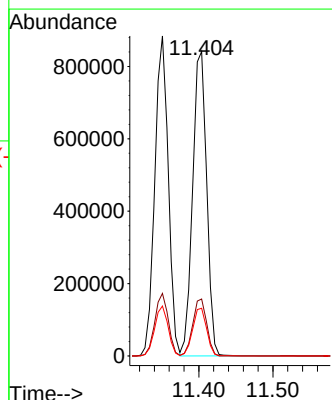
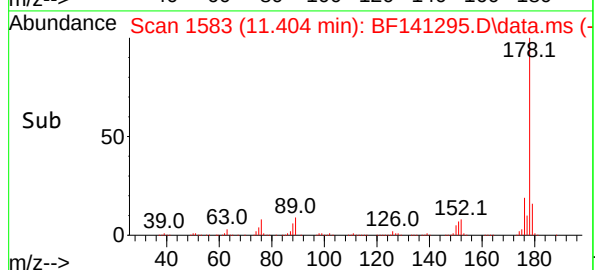
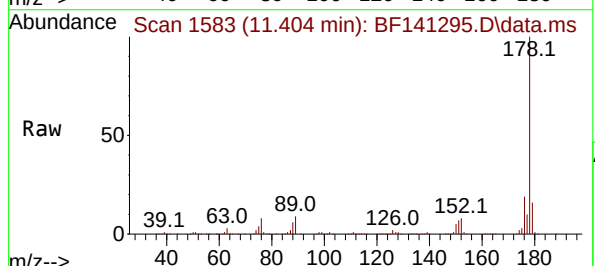
Manual Integrations
APPROVED

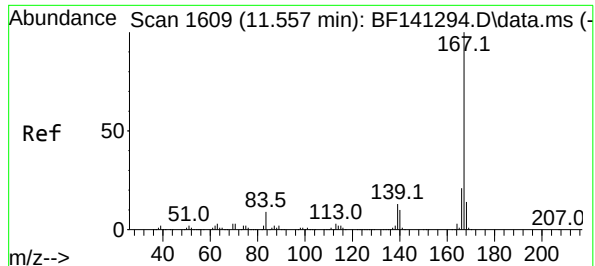
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#72
Anthracene
Concen: 47.686 ng
RT: 11.404 min Scan# 1583
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

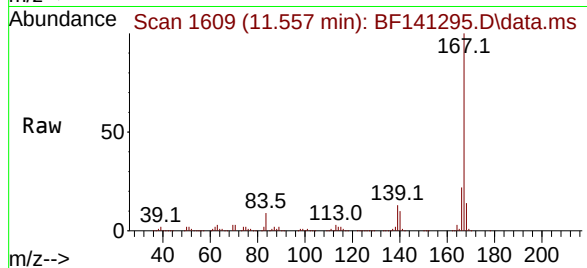
Tgt Ion:178 Resp: 1105681
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.6
179 15.6 12.3 18.5





#73
Carbazole
Concen: 47.304 ng
RT: 11.557 min Scan# 1609
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

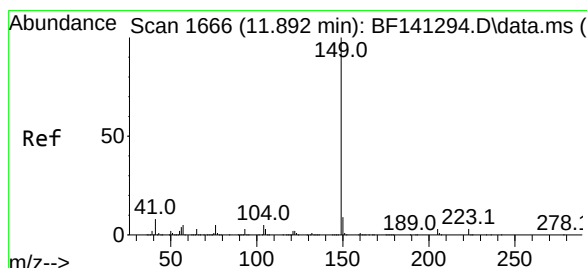
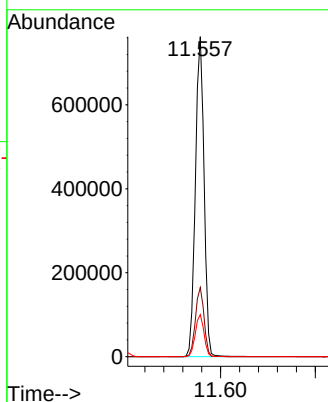
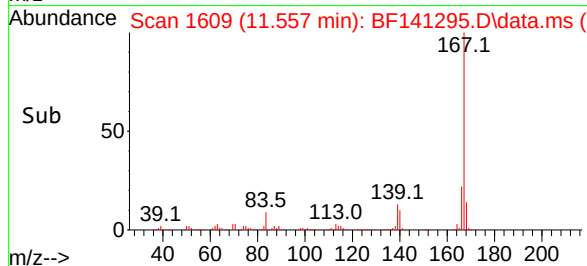
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



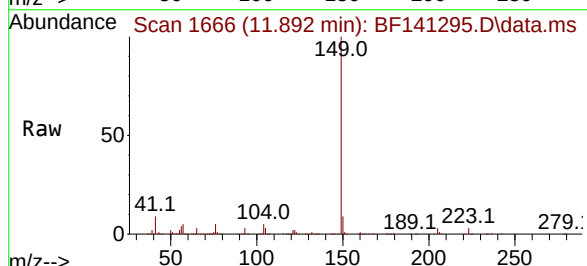
Tgt Ion:167 Resp: 97154
Ion Ratio Lower Upper
167 100
166 21.6 17.0 25.6
139 13.1 10.6 16.0

Manual Integrations
APPROVED

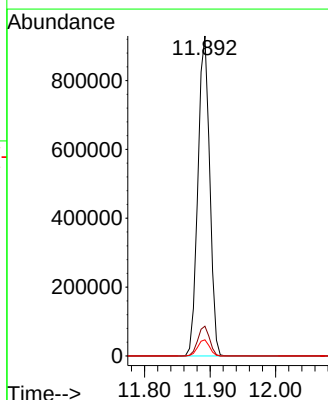
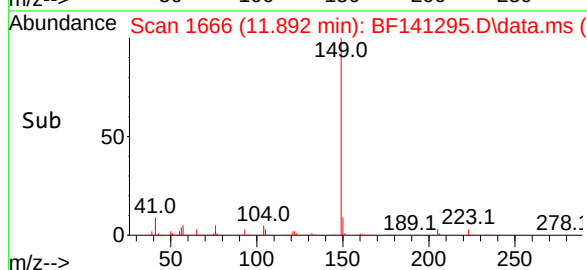
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

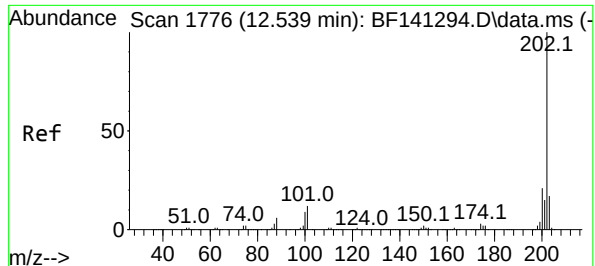


#74
Di-n-butylphthalate
Concen: 46.961 ng
RT: 11.892 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11



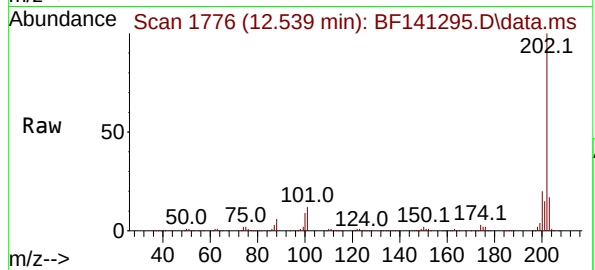
Tgt Ion:149 Resp: 1162607
Ion Ratio Lower Upper
149 100
150 9.3 7.4 11.2
104 5.0 3.9 5.9





#75
Fluoranthene
Concen: 45.923 ng
RT: 12.539 min Scan# 1776
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

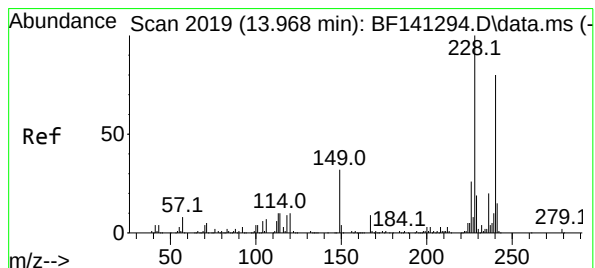
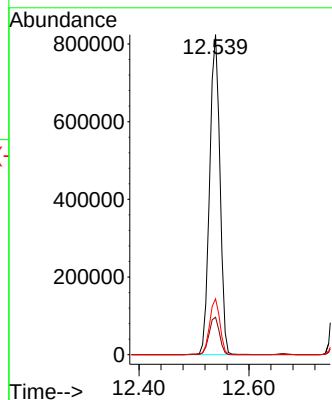
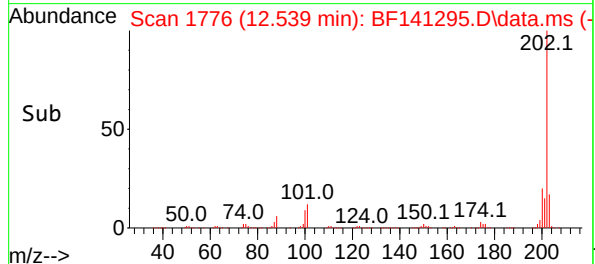
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:202 Resp: 1065514
Ion Ratio Lower Upper
202 100
101 11.7 0.0 31.7
203 17.5 0.0 37.5

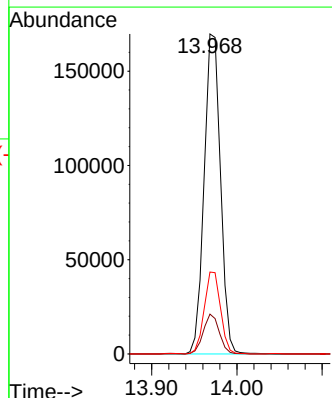
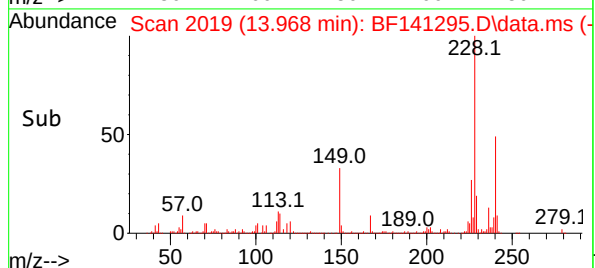
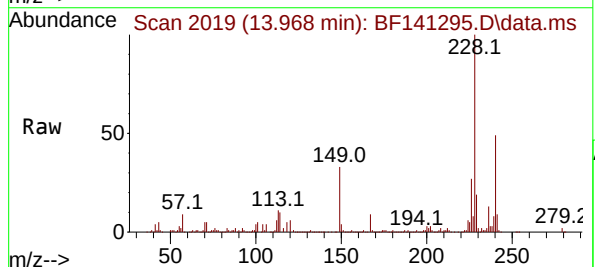
Manual Integrations
APPROVED

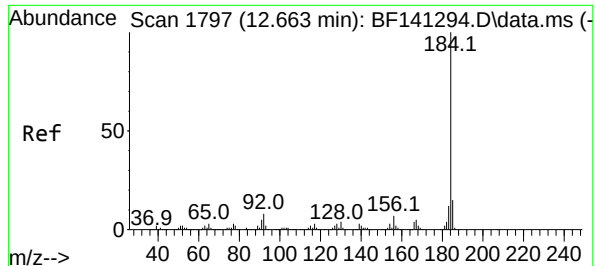
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

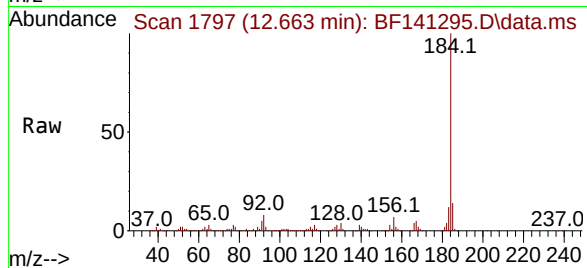
Tgt Ion:240 Resp: 226571
Ion Ratio Lower Upper
240 100
120 12.5 10.0 15.0
236 25.6 19.7 29.5





#77
Benzidine
Concen: 74.515 ng
RT: 12.663 min Scan# 1797
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

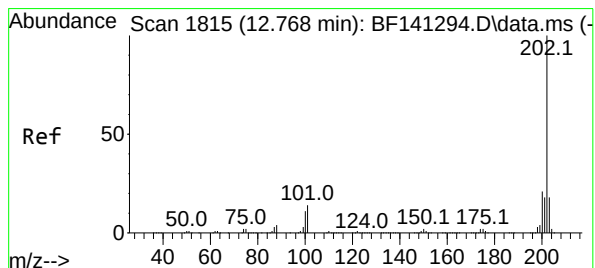
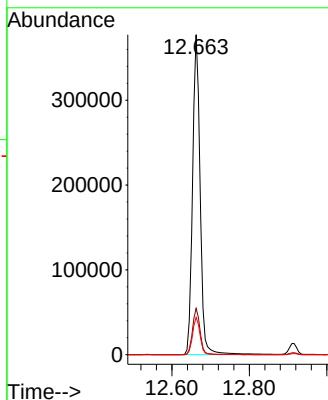
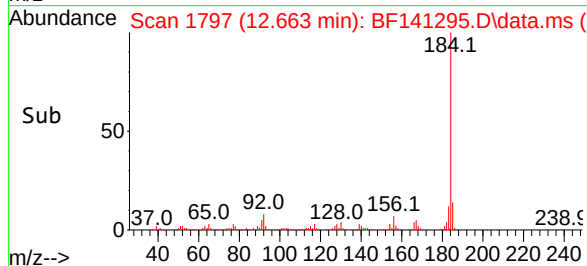
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:184 Resp: 51335
Ion Ratio Lower Upper
184 100
185 14.5 11.9 17.9
183 11.7 9.5 14.3

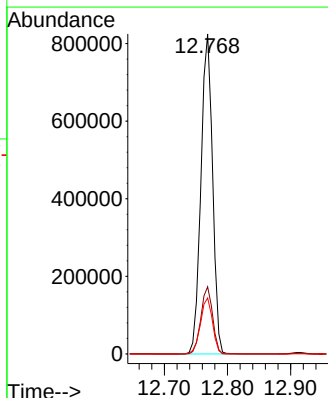
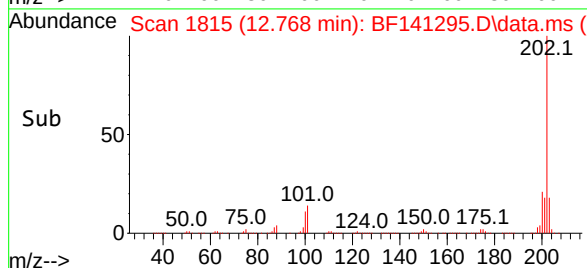
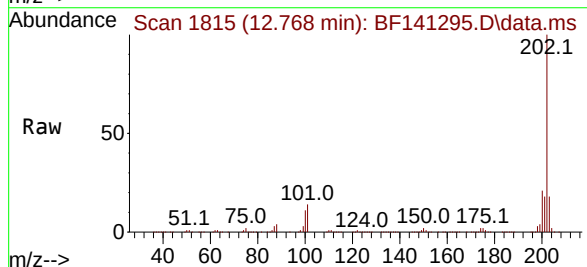
Manual Integrations
APPROVED

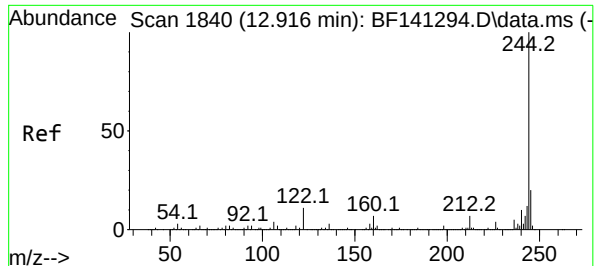
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#78
Pyrene
Concen: 48.410 ng
RT: 12.768 min Scan# 1815
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:202 Resp: 1059044
Ion Ratio Lower Upper
202 100
200 21.0 17.0 25.4
203 17.5 14.3 21.5





#79

Terphenyl-d14

Concen: 95.222 ng

RT: 12.916 min Scan# 1840

Delta R.T. 0.000 min

Lab File: BF141295.D

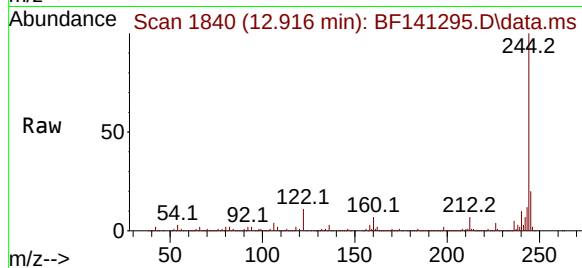
Acq: 29 Jan 2025 16:11

Instrument :

BNA_F

ClientSampleId :

SSTDICC050



Tgt Ion:244 Resp: 140210

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

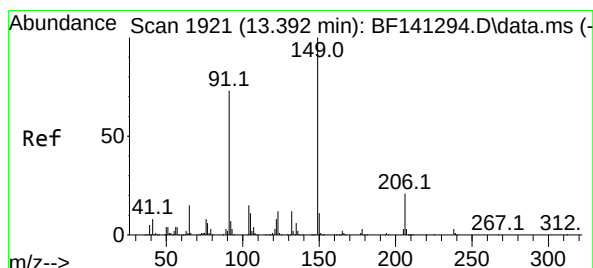
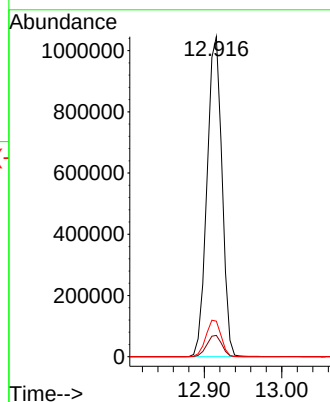
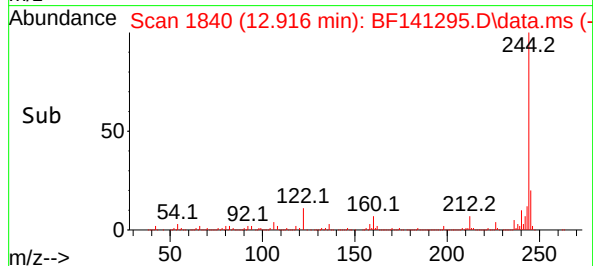
122 11.1 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#80

Butylbenzylphthalate

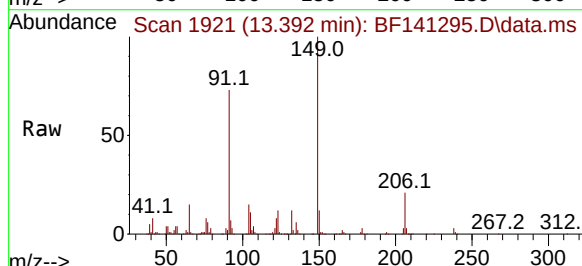
Concen: 49.222 ng

RT: 13.392 min Scan# 1921

Delta R.T. 0.000 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11



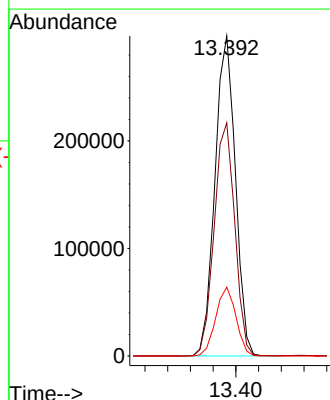
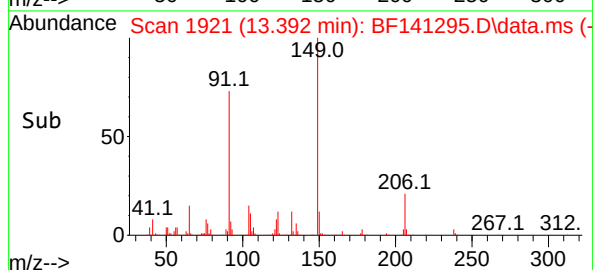
Tgt Ion:149 Resp: 371889

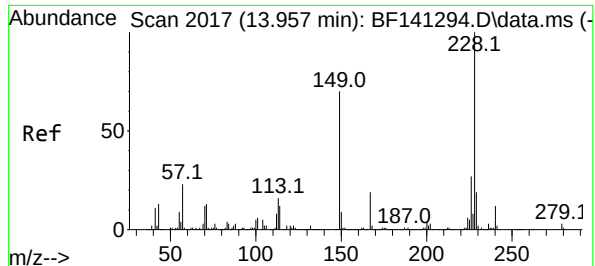
Ion Ratio Lower Upper

149 100

91 72.9 58.6 87.8

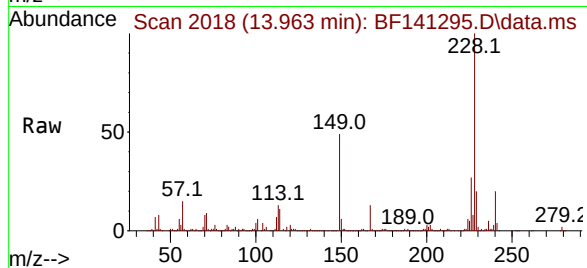
206 21.5 16.7 25.1





#81
Benzo(a)anthracene
Concen: 50.158 ng
RT: 13.963 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

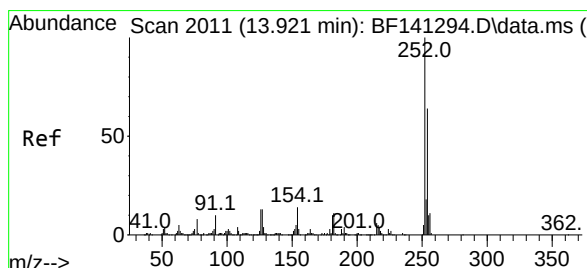
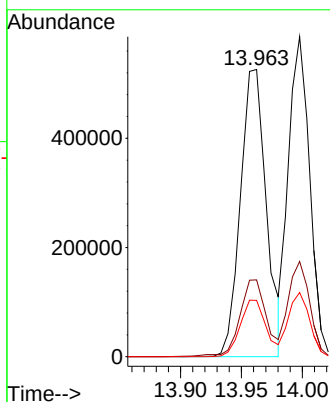
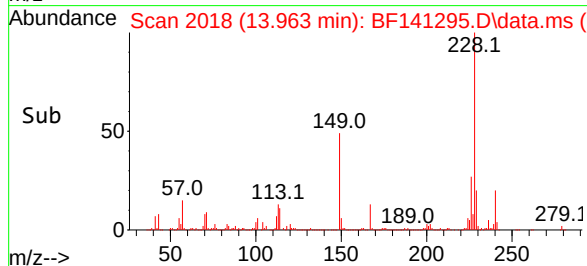
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



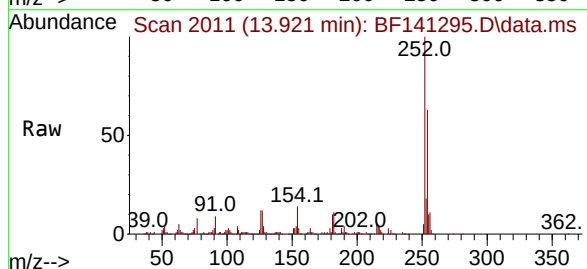
Tgt Ion:228 Resp: 778922
Ion Ratio Lower Upper
228 100
226 26.7 21.4 32.2
229 19.6 15.5 23.3

Manual Integrations
APPROVED

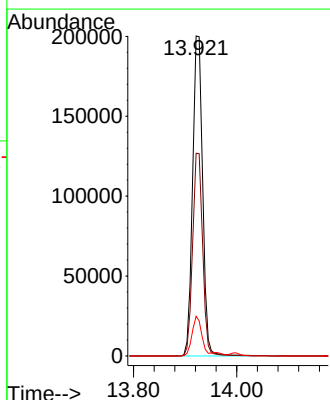
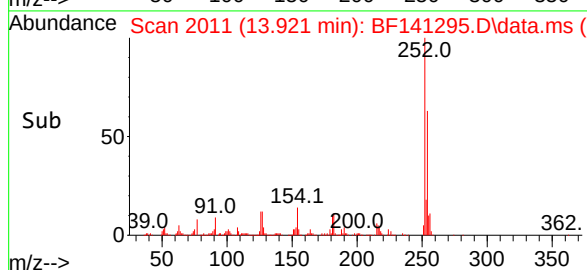
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

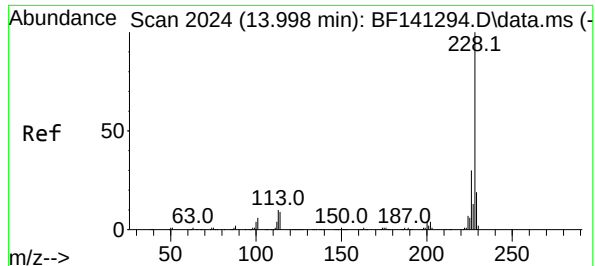


#82
3,3'-Dichlorobenzidine
Concen: 55.645 ng
RT: 13.921 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11



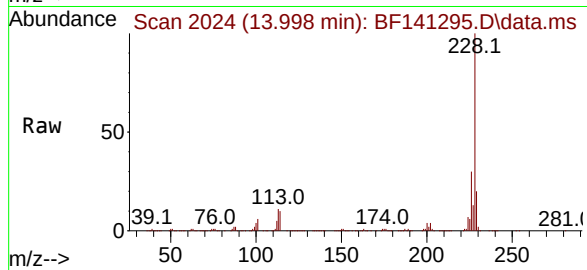
Tgt Ion:252 Resp: 270572
Ion Ratio Lower Upper
252 100
254 63.3 51.3 76.9
126 12.4 10.0 15.0





#83
Chrysene
Concen: 49.829 ng
RT: 13.998 min Scan# 2024
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

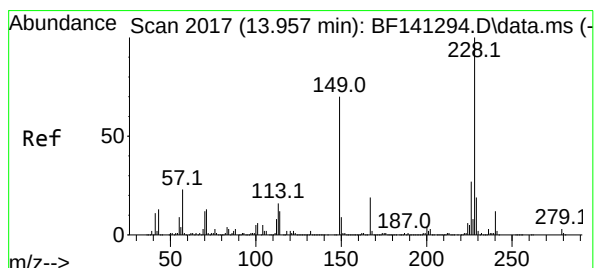
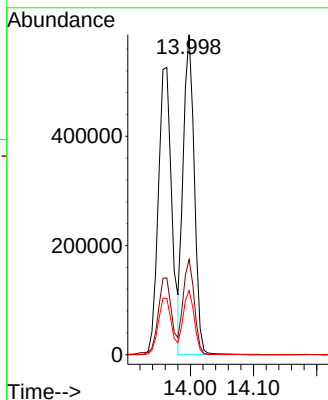
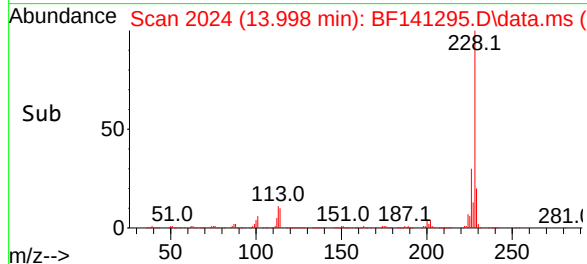
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:228 Resp: 717569
Ion Ratio Lower Upper
228 100
226 29.7 24.1 36.1
229 20.1 15.6 23.4

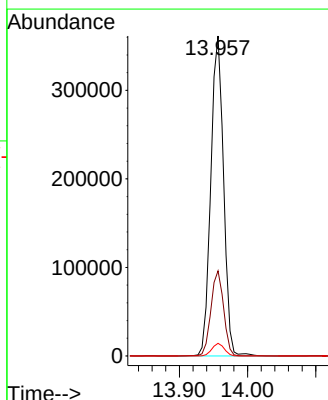
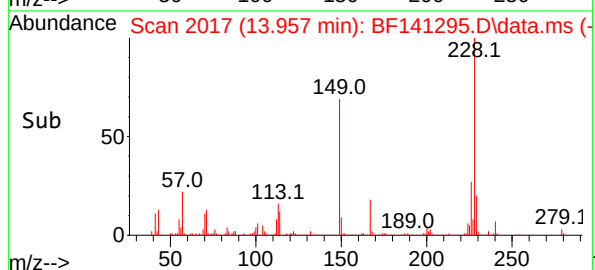
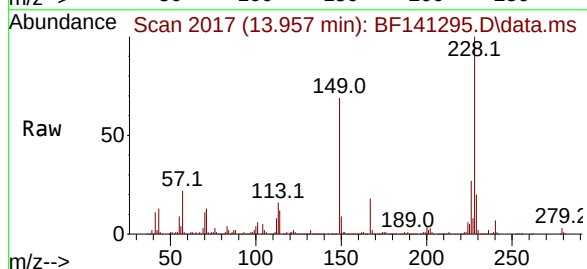
Manual Integrations
APPROVED

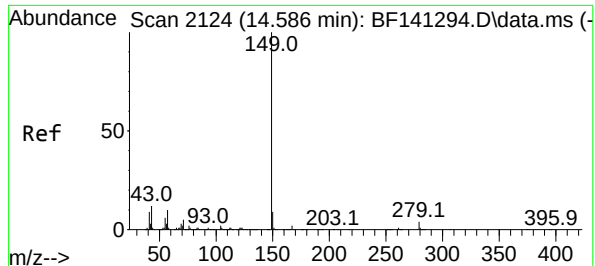
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#84
Bis(2-ethylhexyl)phthalate
Concen: 49.620 ng
RT: 13.957 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

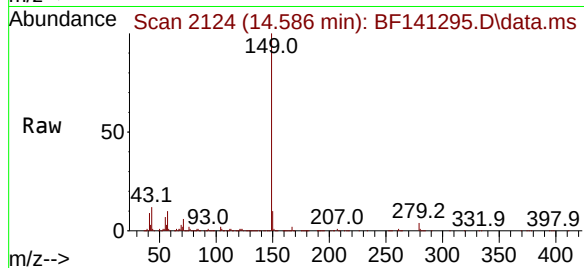
Tgt Ion:149 Resp: 470441
Ion Ratio Lower Upper
149 100
167 26.6 21.8 32.8
279 3.9 3.3 4.9





#85
Di-n-octyl phthalate
Concen: 52.127 ng
RT: 14.586 min Scan# 2124
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

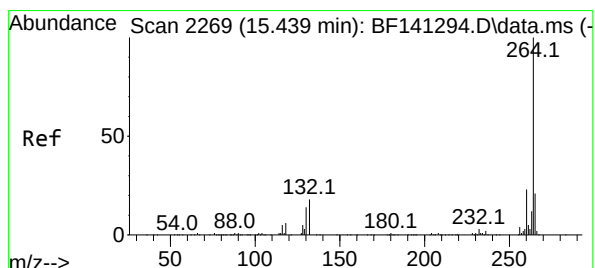
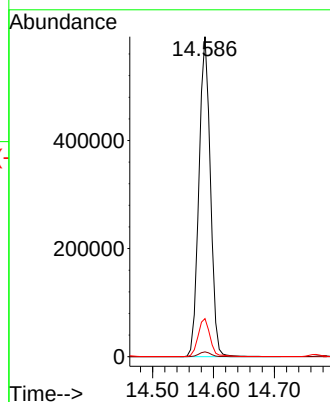
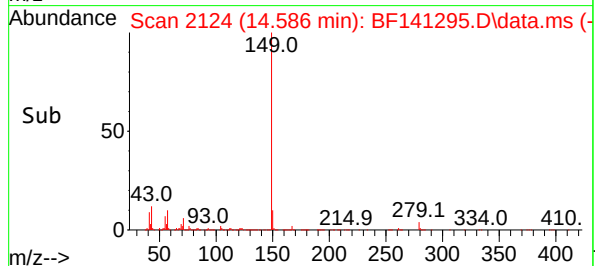
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:149 Resp: 77303
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 12.4 9.8 14.8

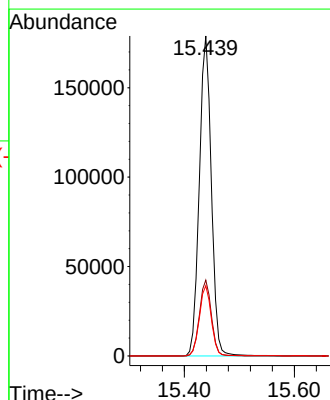
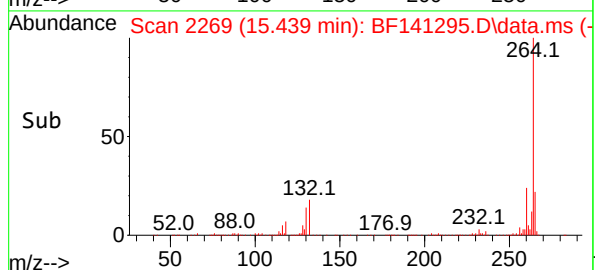
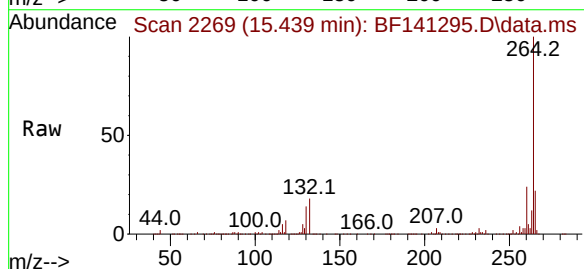
Manual Integrations
APPROVED

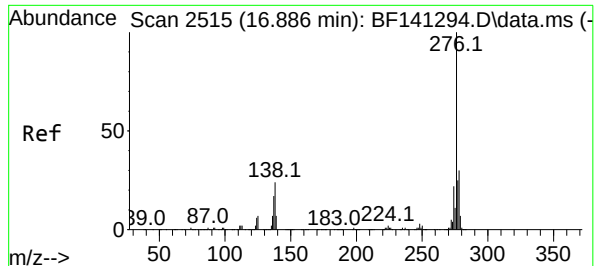
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2269
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:264 Resp: 272084
Ion Ratio Lower Upper
264 100
260 23.7 18.6 27.8
265 22.0 16.7 25.1





#87
Indeno(1,2,3-cd)pyrene
Concen: 51.584 ng
RT: 16.892 min Scan# 2197
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Instrument :

BNA_F

ClientSampleId :

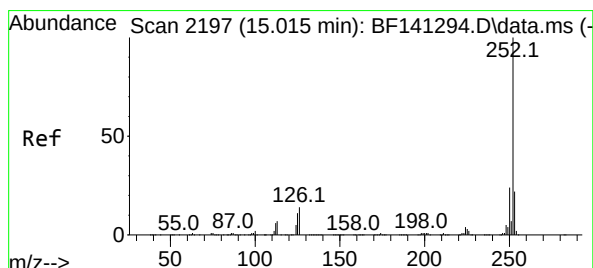
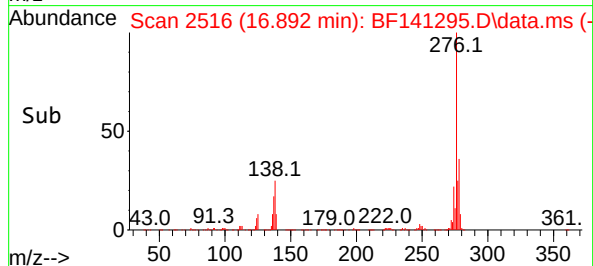
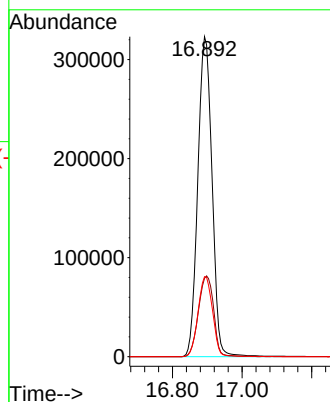
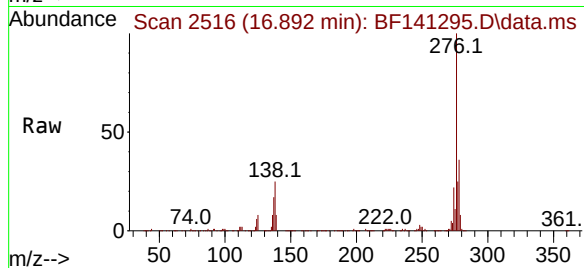
SSTDICC050

Tgt Ion:276 Resp: 916714
Ion Ratio Lower Upper
276 100
138 27.0 21.7 32.5
277 25.5 20.3 30.5

Manual Integrations

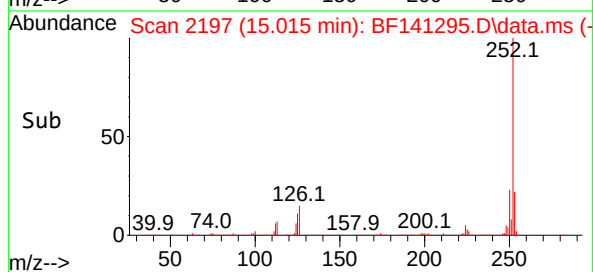
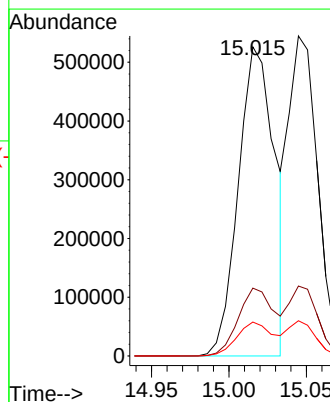
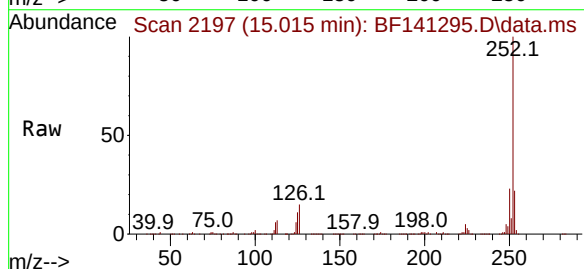
APPROVED

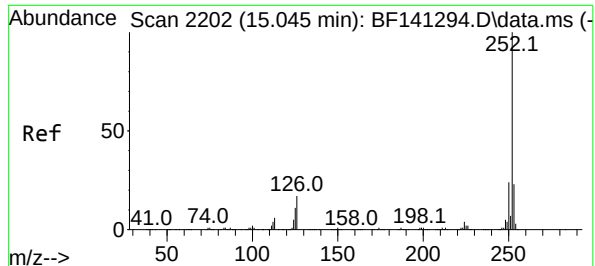
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#88
Benzo(b)fluoranthene
Concen: 50.916 ng
RT: 15.015 min Scan# 2197
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:252 Resp: 860351
Ion Ratio Lower Upper
252 100
253 21.9 17.4 26.2
125 11.0 8.6 12.8





#89

Benzo(k)fluoranthene

Concen: 47.153 ng

RT: 15.045 min Scan# 2202

Delta R.T. 0.000 min

Lab File: BF141295.D

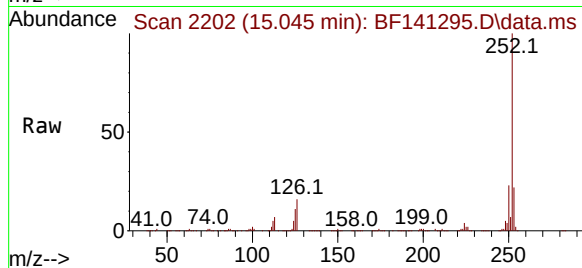
Acq: 29 Jan 2025 16:11

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

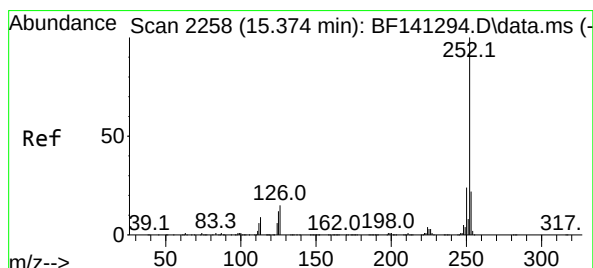
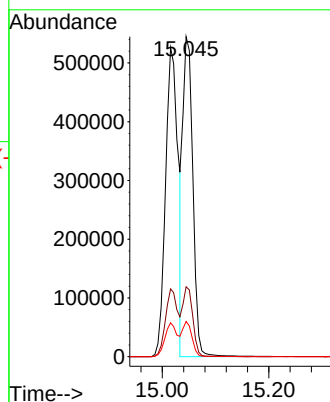
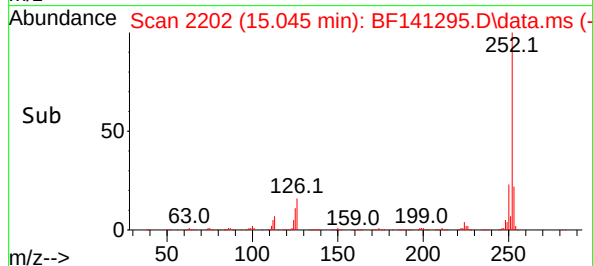


Tgt Ion:	252	Resp:	713500
Ion Ratio	Lower	Upper	
252	100		
253	21.8	17.6	26.4
125	11.0	8.4	12.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#90

Benzo(a)pyrene

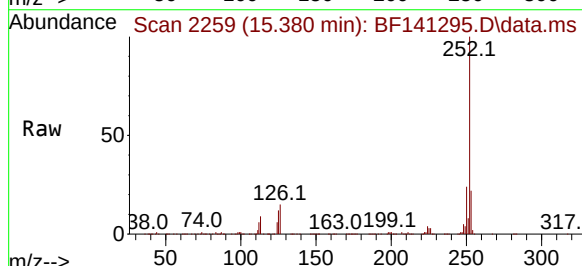
Concen: 49.985 ng

RT: 15.380 min Scan# 2259

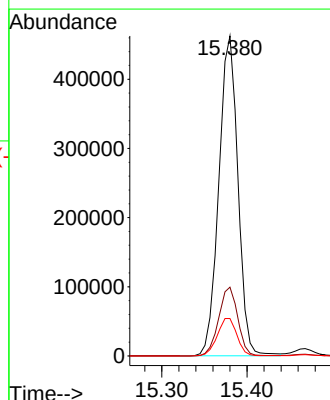
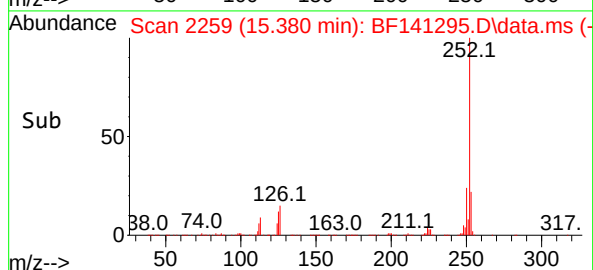
Delta R.T. 0.006 min

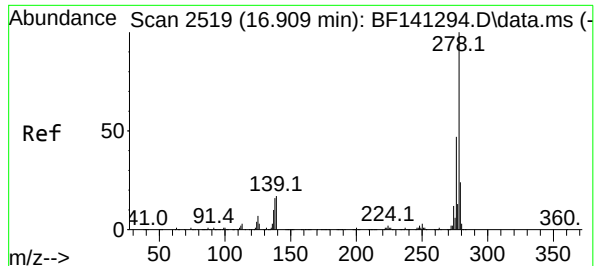
Lab File: BF141295.D

Acq: 29 Jan 2025 16:11



Tgt Ion:	252	Resp:	721834
Ion Ratio	Lower	Upper	
252	100		
253	21.5	17.2	25.8
125	11.7	9.4	14.2





#91

Dibenzo(a,h)anthracene

Concen: 51.907 ng

RT: 16.915 min Scan# 2520

Delta R.T. 0.006 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

Instrument :

BNA_F

ClientSampleId :

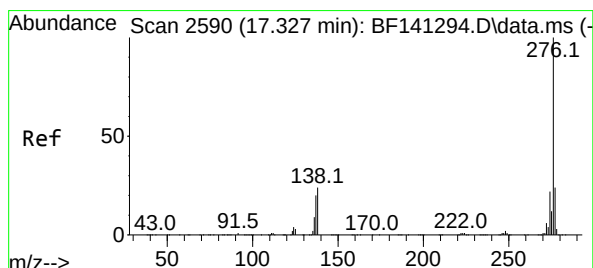
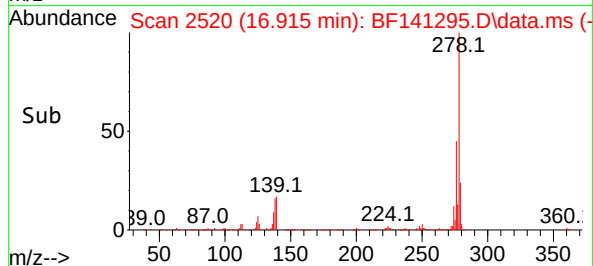
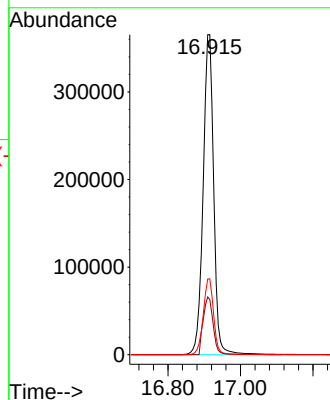
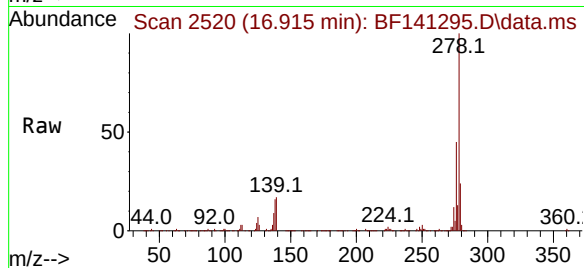
SSTDICC050

Tgt Ion:	278	Resp:	73939
Ion Ratio	Lower	Upper	
278	100		
139	17.2	13.9	20.9
279	23.7	18.8	28.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#92

Benzo(g,h,i)perylene

Concen: 50.990 ng

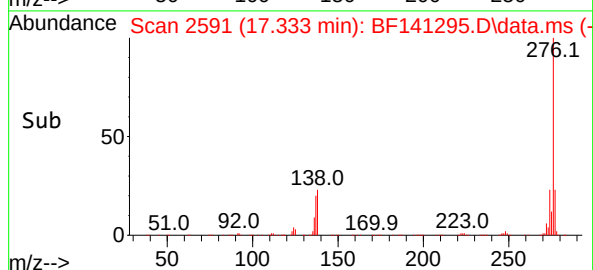
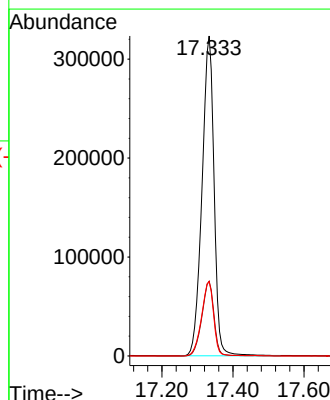
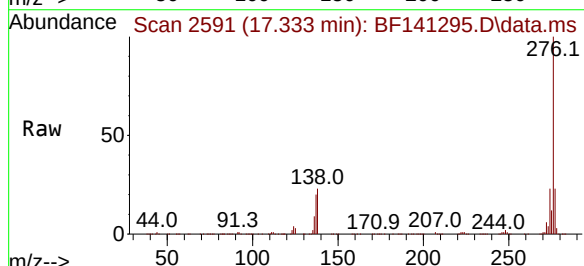
RT: 17.333 min Scan# 2591

Delta R.T. 0.006 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

Tgt Ion:	276	Resp:	764064
Ion Ratio	Lower	Upper	
276	100		
277	23.4	19.2	28.8
138	23.2	19.0	28.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
 Data File : BF141296.D
 Acq On : 29 Jan 2025 16:38
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/30/2025
 Supervised By :mohammad ahmed 02/04/2025

Quant Time: Jan 29 17:20:45 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:14:44 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	125203	20.000	ng	0.00
21) Naphthalene-d8	8.086	136	490777	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	260269	20.000	ng	0.00
64) Phenanthrene-d10	11.327	188	434671	20.000	ng	0.00
76) Chrysene-d12	13.974	240	225615	20.000	ng	0.00
86) Perylene-d12	15.451	264	265921	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	952391	113.729	ng	0.00
7) Phenol-d6	6.434	99	1210477	113.542	ng	0.00
23) Nitrobenzene-d5	7.369	82	1098197	115.711	ng	0.00
42) 2,4,6-Tribromophenol	10.627	330	279105	113.824	ng	0.00
45) 2-Fluorobiphenyl	9.163	172	1824372	102.411	ng	0.00
79) Terphenyl-d14	12.916	244	1665591	109.453	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.487	88	213805	58.657	ng	99
3) Pyridine	3.216	79	527201	60.698	ng	99
4) n-Nitrosodimethylamine	3.181	42	305314	61.956	ng	99
6) Aniline	6.463	93	506937	55.493	ng	# 89
8) 2-Chlorophenol	6.587	128	509043	56.606	ng	98
9) Benzaldehyde	6.351	77	314238	48.677	ng	98
10) Phenol	6.445	94	640034	56.549	ng	94
11) bis(2-Chloroethyl)ether	6.539	93	499321	58.245	ng	99
12) 1,3-Dichlorobenzene	6.739	146	553756	55.698	ng	99
13) 1,4-Dichlorobenzene	6.816	146	558572	55.945	ng	100
14) 1,2-Dichlorobenzene	6.975	146	513179	54.417	ng	99
15) Benzyl Alcohol	6.945	79	422722	58.473	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.081	45	859130	57.194	ng	99
17) 2-Methylphenol	7.057	107	420597	58.211	ng	99
18) Hexachloroethane	7.316	117	210746	57.649	ng	97
19) n-Nitroso-di-n-propyla...	7.222	70	355036	56.162	ng	97
20) 3+4-Methylphenols	7.210	107	496888	54.781	ng	98
22) Acetophenone	7.216	105	651575	53.679	ng	99
24) Nitrobenzene	7.386	77	572234	58.138	ng	99
25) Isophorone	7.622	82	953671	58.383	ng	98
26) 2-Nitrophenol	7.698	139	280785	61.652	ng	99
27) 2,4-Dimethylphenol	7.739	122	350784m	60.006	ng	
28) bis(2-Chloroethoxy)met...	7.833	93	605644	57.853	ng	99
29) 2,4-Dichlorophenol	7.939	162	421748	58.315	ng	99
30) 1,2,4-Trichlorobenzene	8.022	180	465841	55.787	ng	99
31) Naphthalene	8.104	128	1475900	54.933	ng	99
32) Benzoic acid	7.863	122	380664m	76.193	ng	
33) 4-Chloroaniline	8.157	127	513149	56.786	ng	99
34) Hexachlorobutadiene	8.222	225	275524	56.533	ng	100
35) Caprolactam	8.533	113	141023	60.337	ng	99
36) 4-Chloro-3-methylphenol	8.633	107	452438	58.389	ng	97
37) 2-Methylnaphthalene	8.792	142	941153	55.126	ng	98
38) 1-Methylnaphthalene	8.892	142	917389	54.632	ng	100
40) 1,2,4,5-Tetrachloroben...	8.963	216	430239	56.609	ng	100
41) Hexachlorocyclopentadiene	8.945	237	141387	66.154	ng	100
43) 2,4,6-Trichlorophenol	9.075	196	288290	58.588	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
 Data File : BF141296.D
 Acq On : 29 Jan 2025 16:38
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/30/2025
 Supervised By :mohammad ahmed 02/04/2025

Quant Time: Jan 29 17:20:45 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:14:44 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	314912	59.000	ng	99
46) 1,1'-Biphenyl	9.263	154	1139946	54.084	ng	99
47) 2-Chloronaphthalene	9.286	162	902561	55.247	ng	99
48) 2-Nitroaniline	9.380	65	300339	59.861	ng	98
49) Acenaphthylene	9.698	152	1258733	54.924	ng	100
50) Dimethylphthalate	9.569	163	1012298	56.075	ng	100
51) 2,6-Dinitrotoluene	9.627	165	241241	58.050	ng	98
52) Acenaphthene	9.875	154	921519	56.639	ng	100
53) 3-Nitroaniline	9.792	138	232680	56.245	ng	99
54) 2,4-Dinitrophenol	9.898	184	132244	84.109	ng	95
55) Dibenzofuran	10.045	168	1202027	54.629	ng	99
56) 4-Nitrophenol	9.951	139	190620	66.120	ng	99
57) 2,4-Dinitrotoluene	10.027	165	315221	58.312	ng	97
58) Fluorene	10.386	166	915246	53.236	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.163	232	252964	60.106	ng	100
60) Diethylphthalate	10.263	149	983788	55.897	ng	100
61) 4-Chlorophenyl-phenyle...	10.380	204	445841	53.136	ng	99
62) 4-Nitroaniline	10.410	138	242716	61.216	ng	99
63) Azobenzene	10.539	77	996603	56.821	ng	99
65) 4,6-Dinitro-2-methylph...	10.439	198	174248	71.103	ng	99
66) n-Nitrosodiphenylamine	10.504	169	800147	55.423	ng	99
67) 4-Bromophenyl-phenylether	10.874	248	286647	57.957	ng	96
68) Hexachlorobenzene	10.933	284	302508	57.366	ng	99
69) Atrazine	11.033	200	306524	66.863	ng	99
70) Pentachlorophenol	11.127	266	194335	65.443	ng	99
71) Phenanthrene	11.351	178	1316980	54.311	ng	100
72) Anthracene	11.404	178	1298334	54.763	ng	99
73) Carbazole	11.557	167	1173330	55.874	ng	99
74) Di-n-butylphthalate	11.892	149	1410222	55.325	ng	100
75) Fluoranthene	12.539	202	1279995	52.878	ng	99
77) Benzidine	12.663	184	490009	67.692	ng	100
78) Pyrene	12.768	202	1284820	57.717	ng	100
80) Butylbenzylphthalate	13.392	149	465533	60.745	ng	99
81) Benzo(a)anthracene	13.962	228	917219	57.742	ng	99
82) 3,3'-Dichlorobenzidine	13.927	252	315503	64.819	ng	100
83) Chrysene	14.004	228	841120	58.239	ng	100
84) Bis(2-ethylhexyl)phtha...	13.957	149	564642	57.438	ng	99
85) Di-n-octyl phthalate	14.598	149	951473	64.953	ng	99
87) Indeno(1,2,3-cd)pyrene	16.909	276	1054987	61.732	ng	99
88) Benzo(b)fluoranthene	15.033	252	971433	56.615	ng	99
89) Benzo(k)fluoranthene	15.062	252	845842	55.934	ng	100
90) Benzo(a)pyrene	15.392	252	838283	58.588	ng	99
91) Dibenzo(a,h)anthracene	16.927	278	854214	62.119	ng	98
92) Benzo(g,h,i)perylene	17.351	276	881804	61.510	ng	100

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

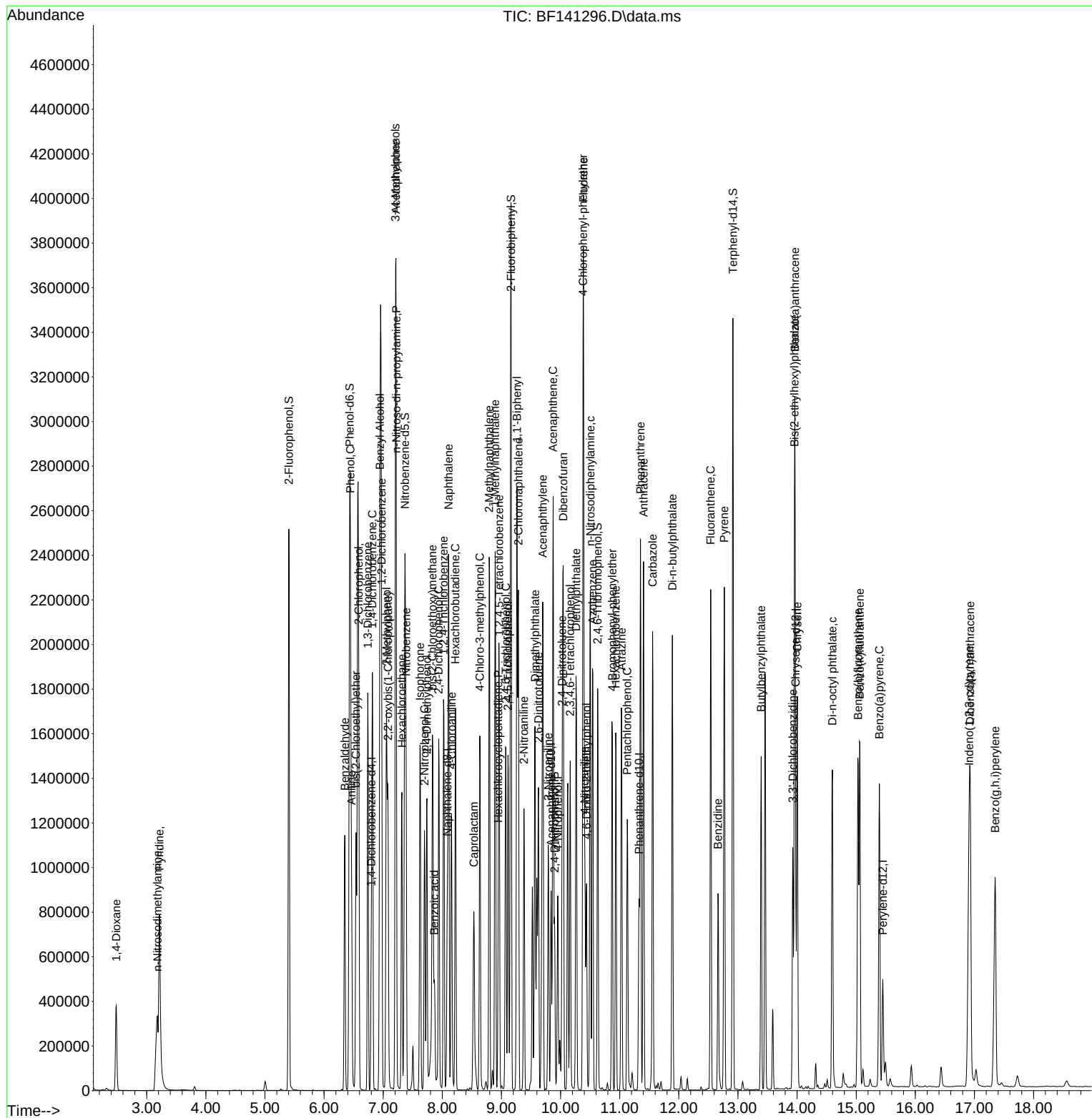
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
 Data File : BF141296.D
 Acq On : 29 Jan 2025 16:38
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

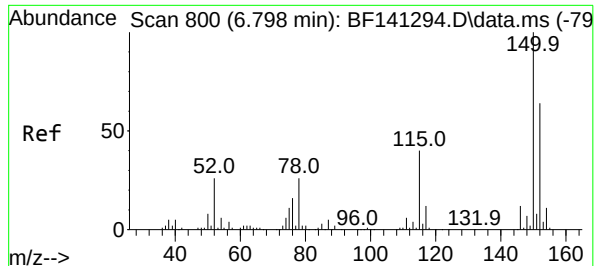
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/30/2025
 Supervised By :mohammad ahmed 02/04/2025

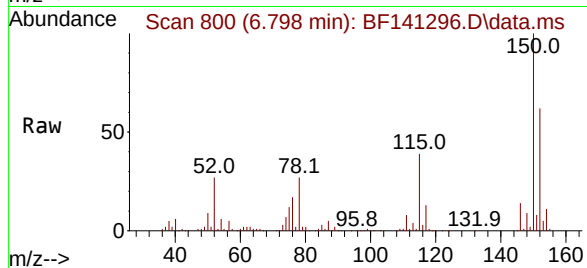
Quant Time: Jan 29 17:20:45 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:14:44 2025
 Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

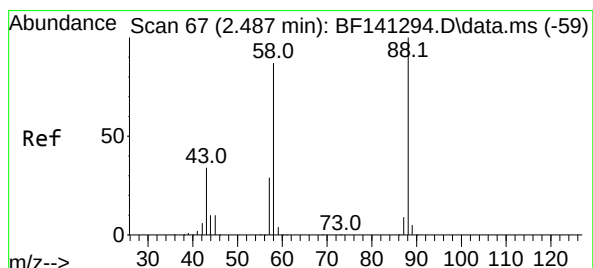
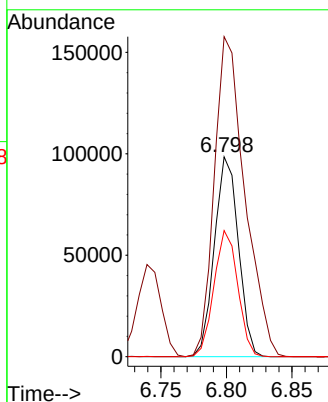
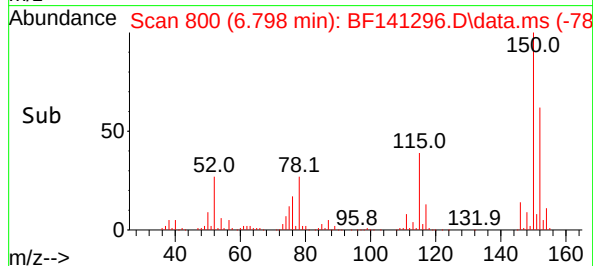
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion: 152 Resp: 125200
Ion Ratio Lower Upper
152 100
150 160.2 125.9 188.9
115 63.2 49.7 74.5

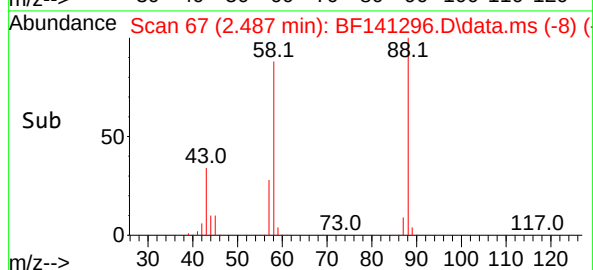
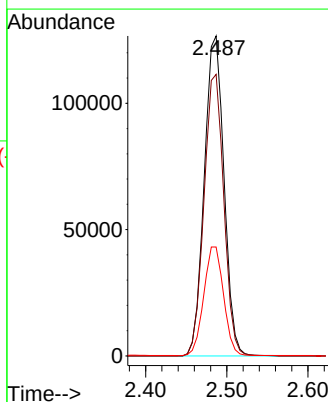
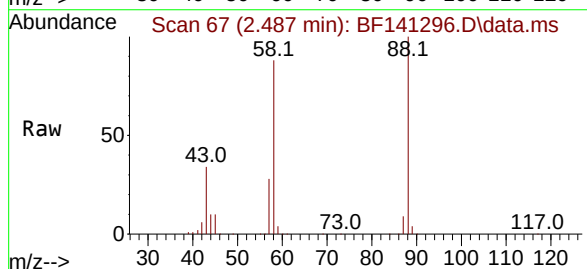
Manual Integrations
APPROVED

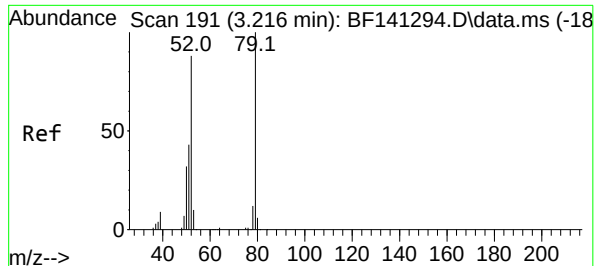
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#2
1,4-Dioxane
Concen: 58.657 ng
RT: 2.487 min Scan# 67
Delta R.T. -0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion: 88 Resp: 213805
Ion Ratio Lower Upper
88 100
58 88.5 70.2 105.4
43 34.0 27.6 41.4





#3

Pyridine

Concen: 60.698 ng

RT: 3.216 min Scan# 191

Delta R.T. -0.006 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion: 79 Resp: 52720

Ion Ratio Lower Upper

79 100

52 89.0 70.3 105.5

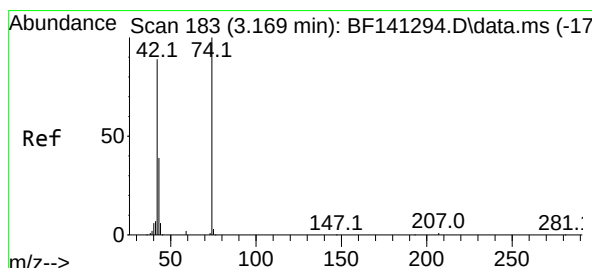
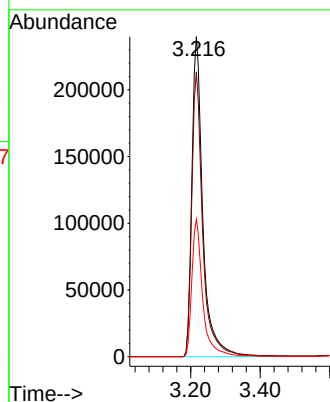
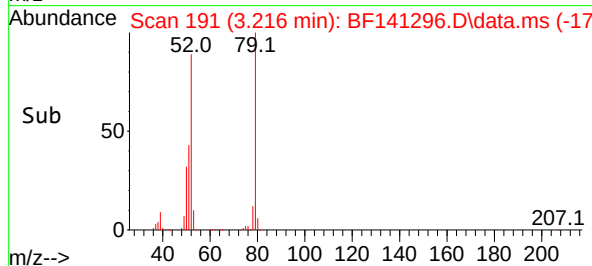
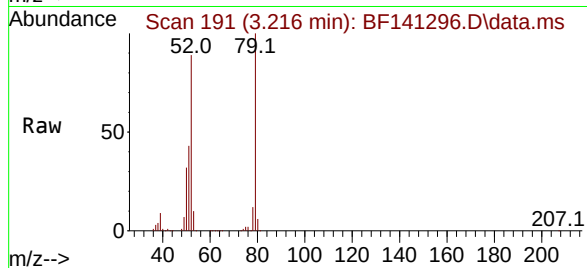
51 42.9 34.3 51.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#4

n-Nitrosodimethylamine

Concen: 61.956 ng

RT: 3.181 min Scan# 185

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

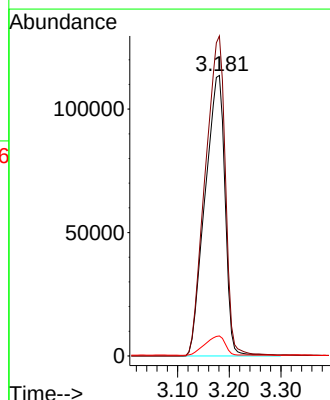
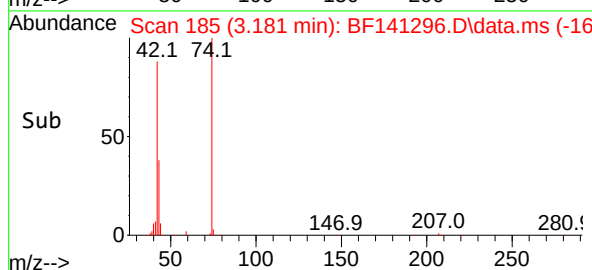
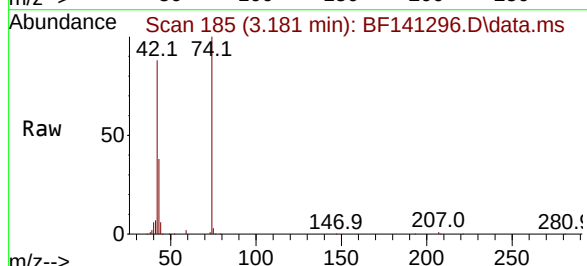
Tgt Ion: 42 Resp: 305314

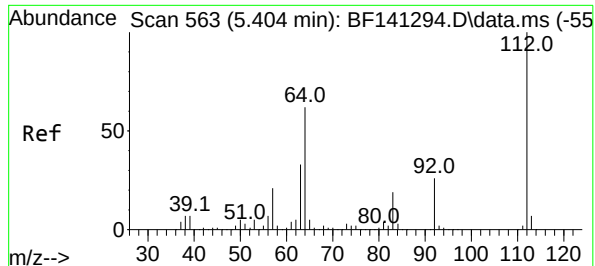
Ion Ratio Lower Upper

42 100

74 114.1 90.3 135.5

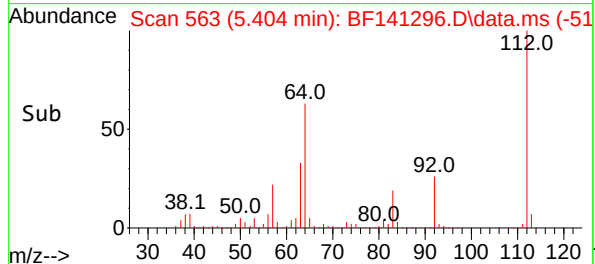
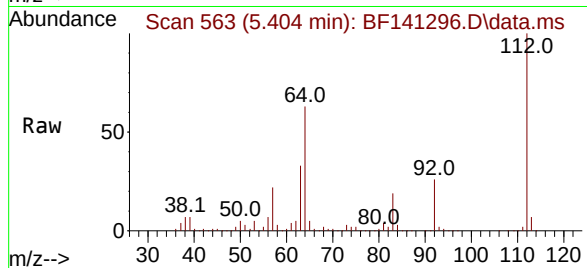
44 7.2 5.7 8.5





#5
2-Fluorophenol
Concen: 113.729 ng
RT: 5.404 min Scan# 50
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

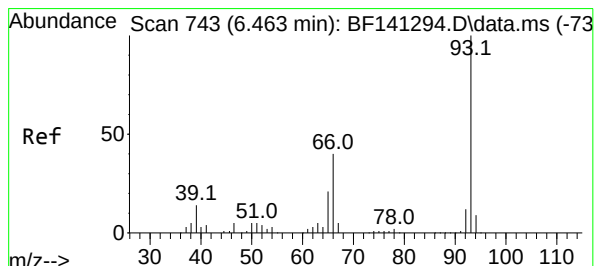
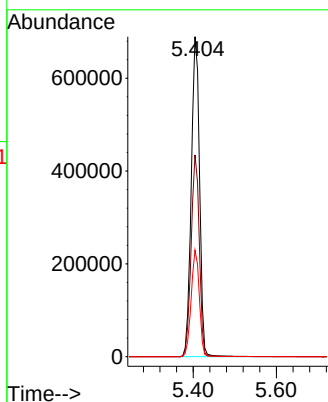
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:112 Resp: 95239
Ion Ratio Lower Upper
112 100
64 63.0 49.8 74.8
63 33.3 26.1 39.1

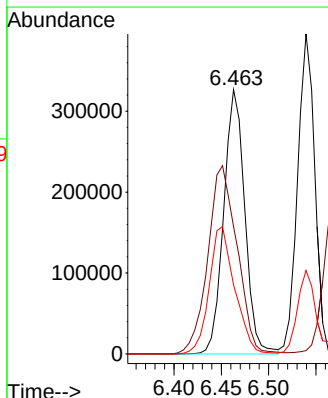
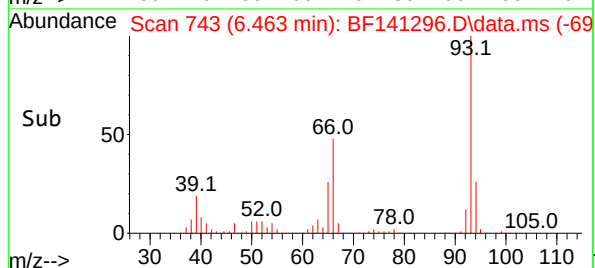
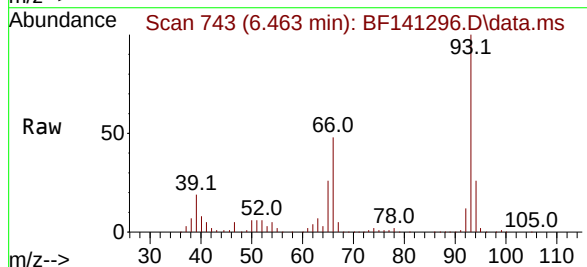
Manual Integrations
APPROVED

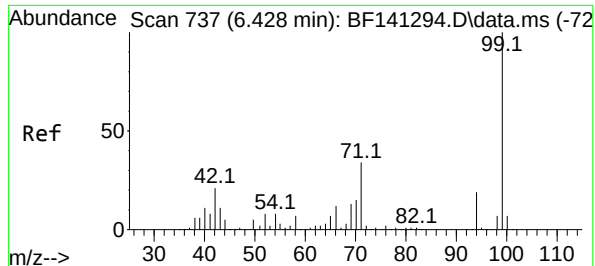
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#6
Aniline
Concen: 55.493 ng
RT: 6.463 min Scan# 743
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

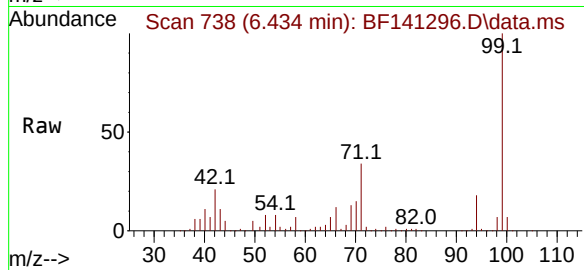
Tgt Ion: 93 Resp: 506937
Ion Ratio Lower Upper
93 100
66 48.2 32.5 48.7
65 26.1 17.0 25.6#





#7
Phenol-d6
Concen: 113.542 ng
RT: 6.434 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

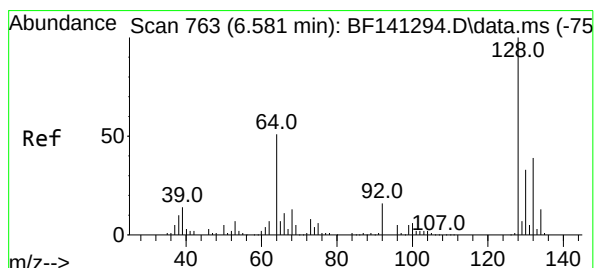
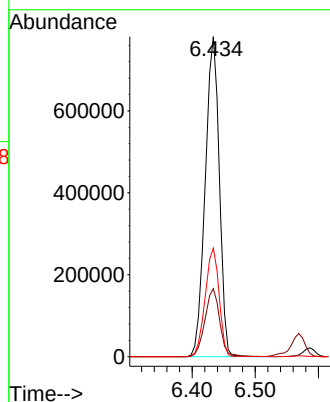
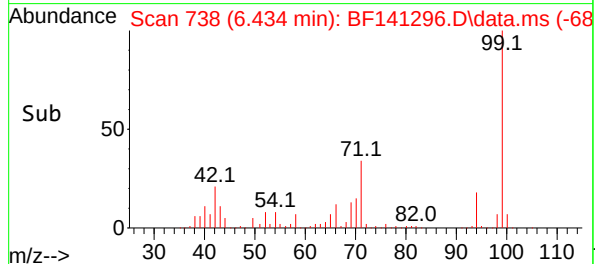
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion: 99 Resp: 121047
Ion Ratio Lower Upper
99 100
42 21.2 17.1 25.7
71 33.9 26.9 40.3

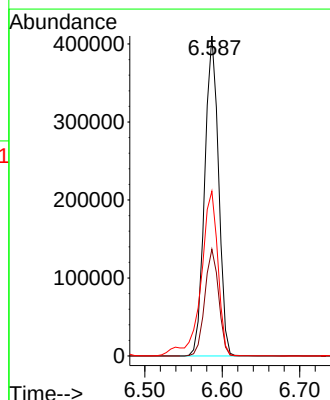
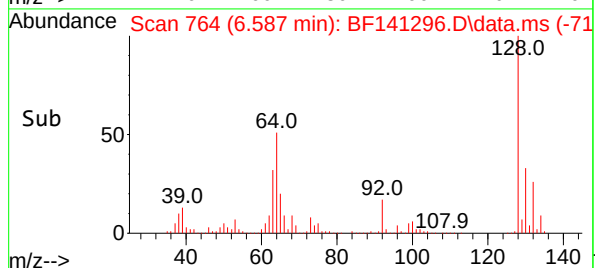
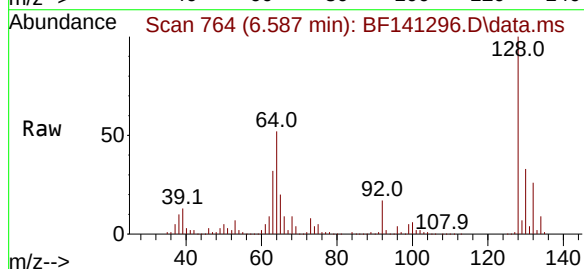
Manual Integrations
APPROVED

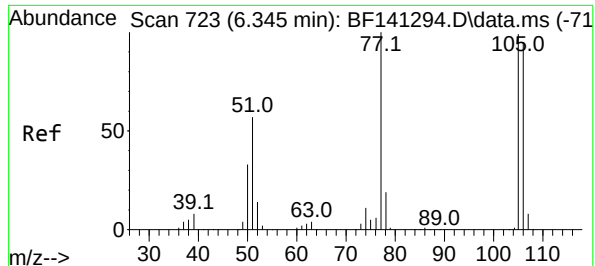
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#8
2-Chlorophenol
Concen: 56.606 ng
RT: 6.587 min Scan# 764
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:128 Resp: 509043
Ion Ratio Lower Upper
128 100
130 33.4 12.5 52.5
64 51.5 32.9 72.9





#9

Benzaldehyde

Concen: 48.677 ng

RT: 6.351 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion: 77 Resp: 314238

Ion Ratio Lower Upper

77 100

105 101.2 79.4 119.4

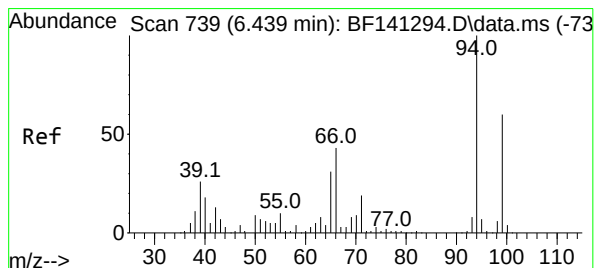
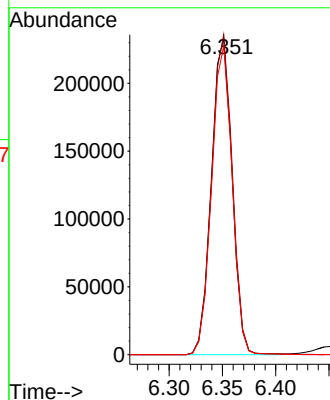
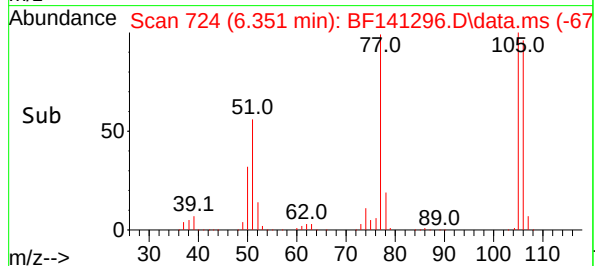
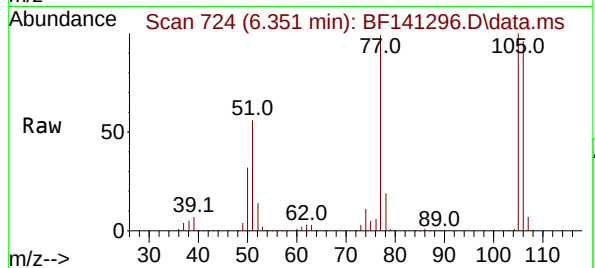
106 97.6 74.6 114.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#10

Phenol

Concen: 56.549 ng

RT: 6.445 min Scan# 740

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

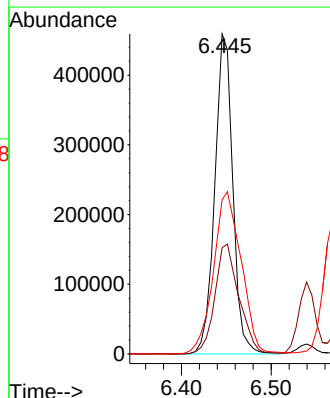
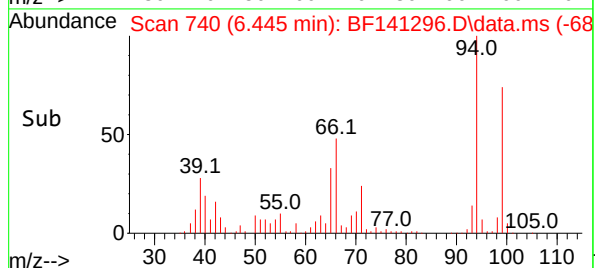
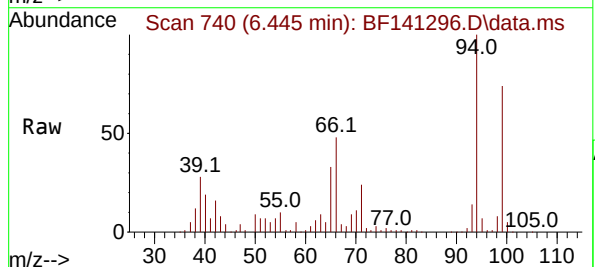
Tgt Ion: 94 Resp: 640034

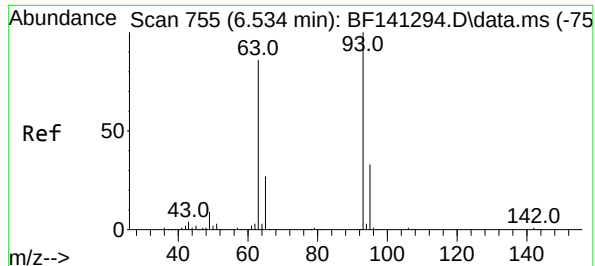
Ion Ratio Lower Upper

94 100

65 33.2 10.8 50.8

66 48.2 23.3 63.3





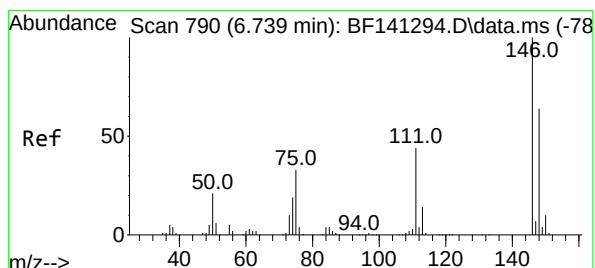
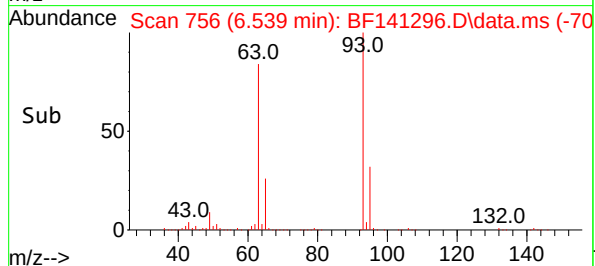
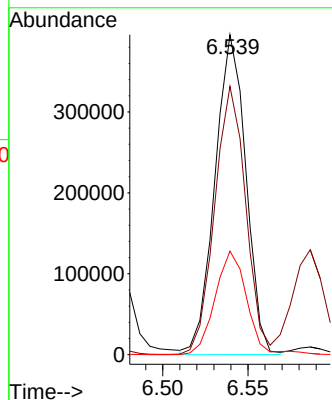
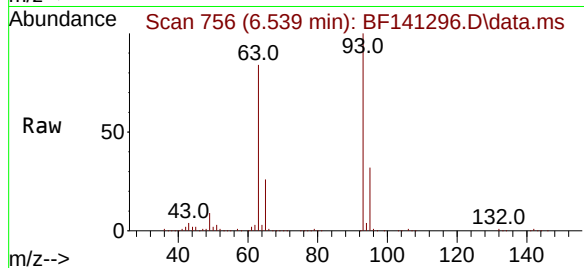
#11
bis(2-Chloroethyl)ether
Concen: 58.245 ng
RT: 6.539 min Scan# 755
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 93 Resp: 49932
Ion Ratio Lower Upper
93 100
63 83.9 65.0 105.0
95 32.3 12.4 52.4

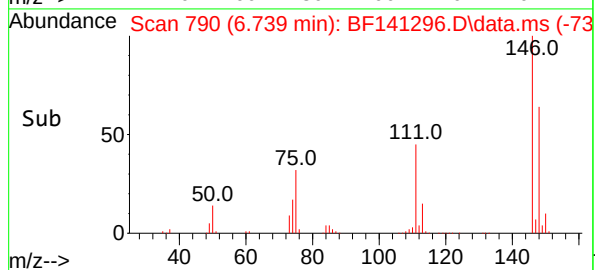
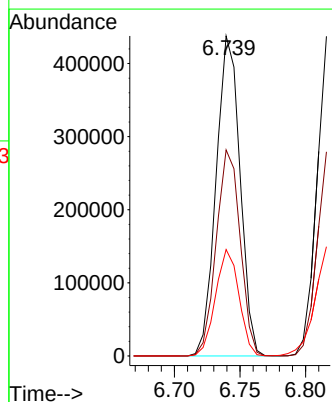
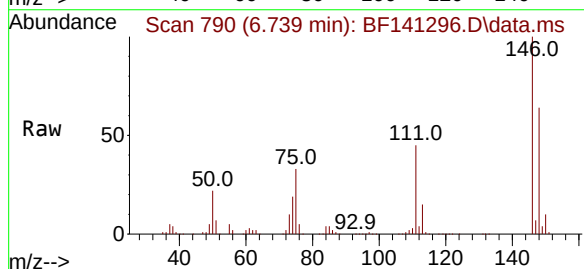
Manual Integrations
APPROVED

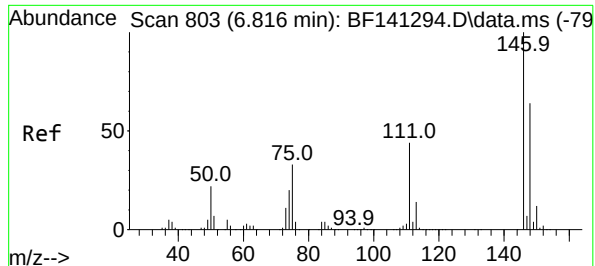
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#12
1,3-Dichlorobenzene
Concen: 55.698 ng
RT: 6.739 min Scan# 790
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:146 Resp: 553756
Ion Ratio Lower Upper
146 100
148 64.4 51.2 76.8
75 33.2 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 55.945 ng

RT: 6.816 min Scan# 803

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:146 Resp: 558572

Ion Ratio Lower Upper

146 100

148 63.8 51.2 76.8

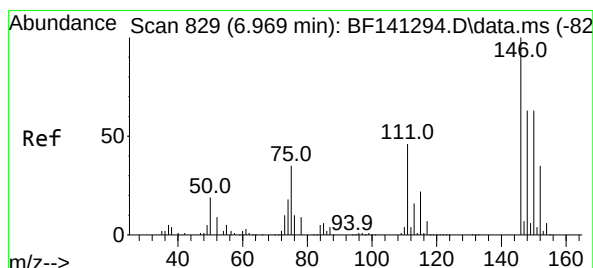
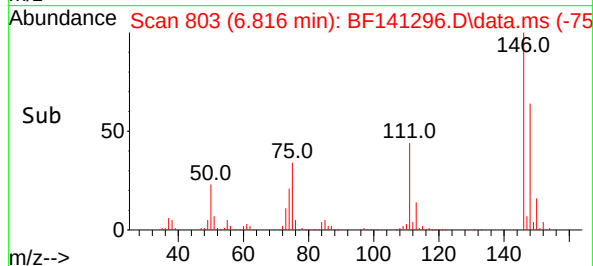
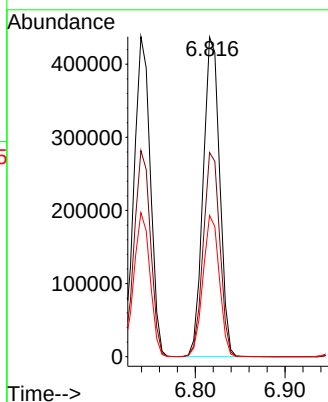
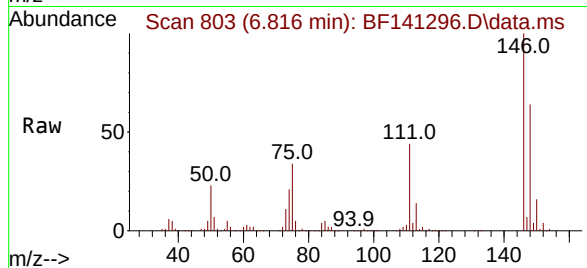
111 44.2 35.0 52.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#14

1,2-Dichlorobenzene

Concen: 54.417 ng

RT: 6.975 min Scan# 830

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

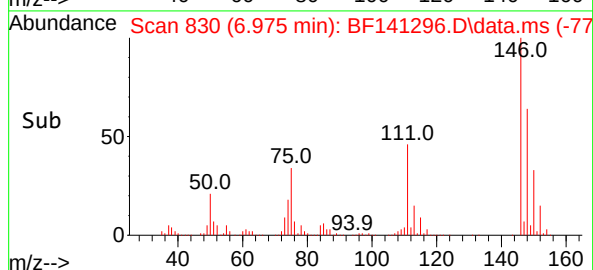
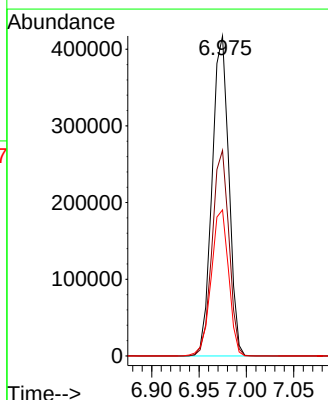
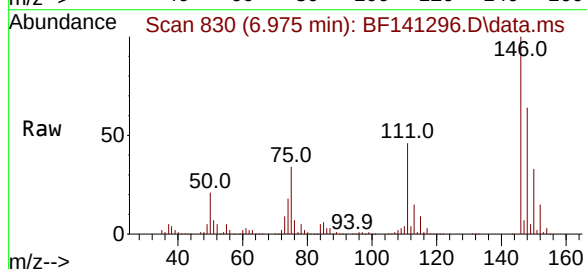
Tgt Ion:146 Resp: 513179

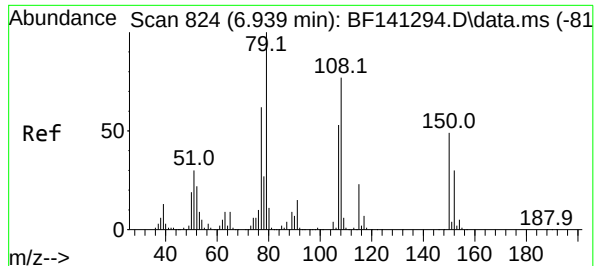
Ion Ratio Lower Upper

146 100

148 64.3 50.5 75.7

111 45.7 36.6 55.0





#15

Benzyl Alcohol

Concen: 58.473 ng

RT: 6.945 min Scan# 81

Delta R.T. 0.006 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion: 79 Resp: 42272

Ion Ratio Lower Upper

79 100

108 76.4 61.4 92.0

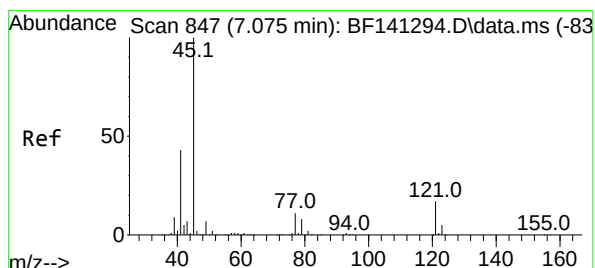
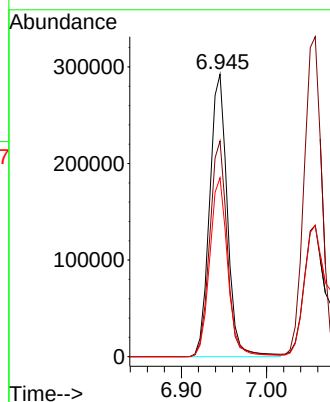
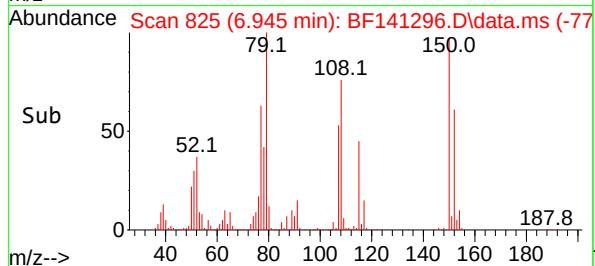
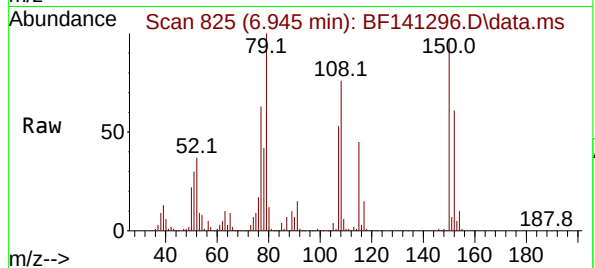
77 63.3 49.9 74.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#16

2,2'-oxybis(1-Chloropropane)

Concen: 57.194 ng

RT: 7.081 min Scan# 848

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

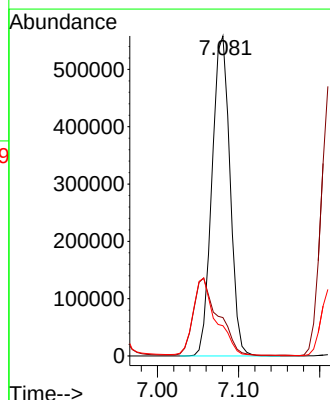
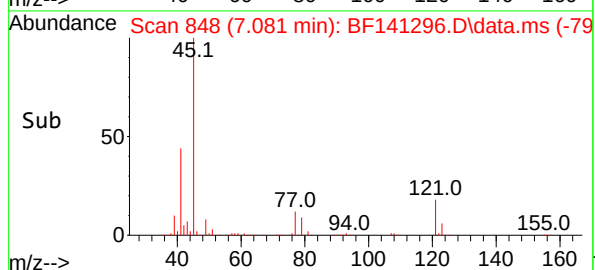
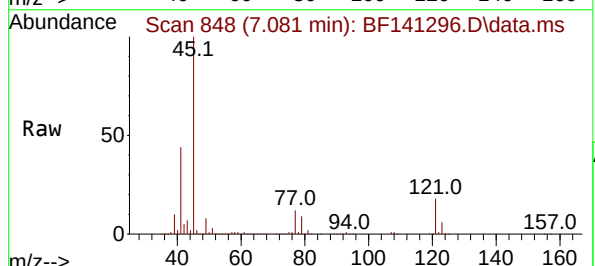
Tgt Ion: 45 Resp: 859130

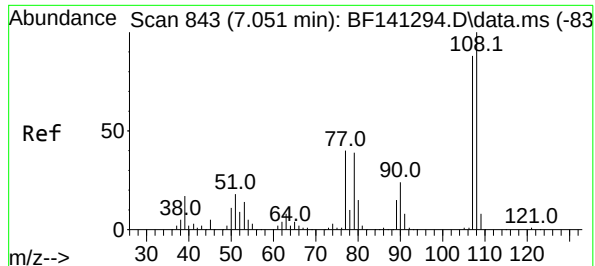
Ion Ratio Lower Upper

45 100

77 12.0 0.0 31.8

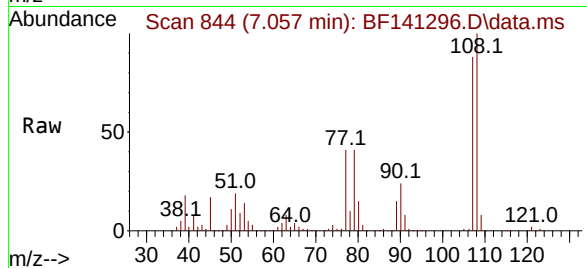
79 9.4 0.0 29.1





#17
2-Methylphenol
Concen: 58.211 ng
RT: 7.057 min Scan# 843
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

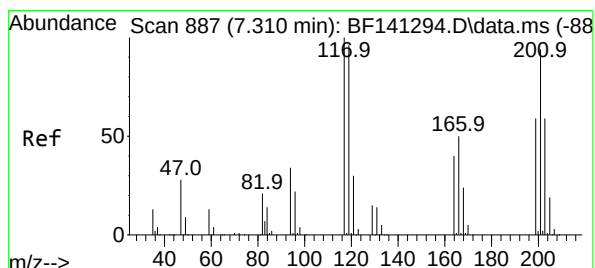
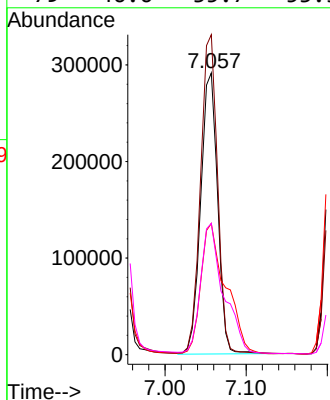
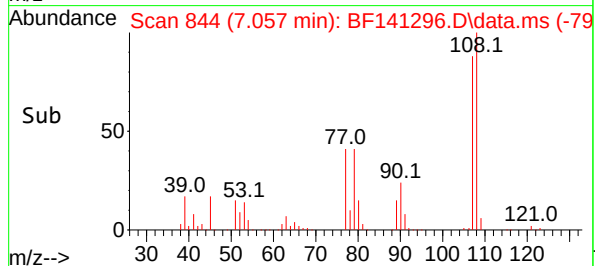
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



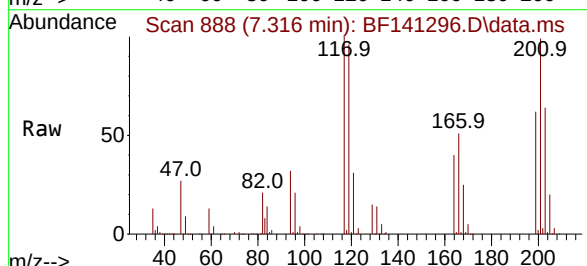
Tgt Ion:107 Resp: 420597
Ion Ratio Lower Upper
107 100
108 113.6 90.8 136.2
77 46.6 36.2 54.4
79 46.6 35.7 53.5

Manual Integrations
APPROVED

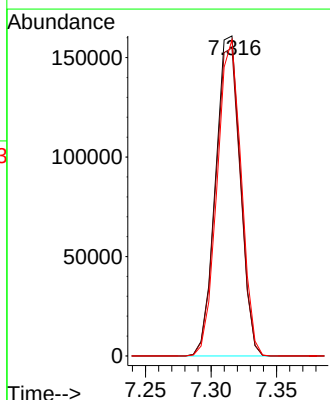
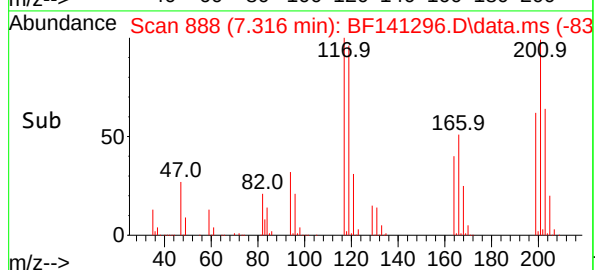
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

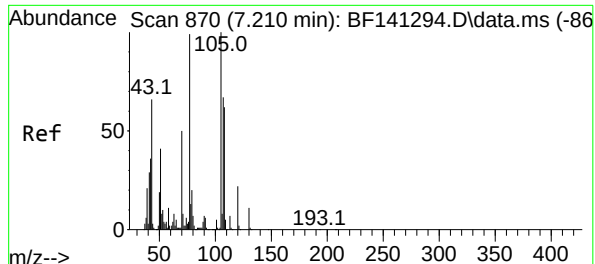


#18
Hexachloroethane
Concen: 57.649 ng
RT: 7.316 min Scan# 888
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38



Tgt Ion:117 Resp: 210746
Ion Ratio Lower Upper
117 100
119 96.3 76.6 114.8
201 98.8 74.8 112.2





#19

n-Nitroso-di-n-propylamine

Concen: 56.162 ng

RT: 7.222 min Scan# 81

Delta R.T. 0.006 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion: 70 Resp: 355030

Ion Ratio Lower Upper

70 100

42 68.3 56.8 85.2

101 10.0 7.7 11.5

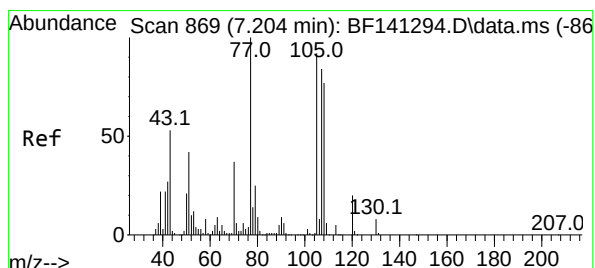
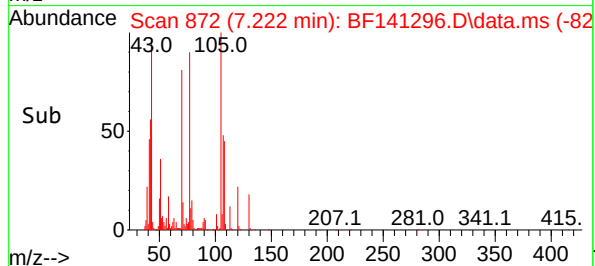
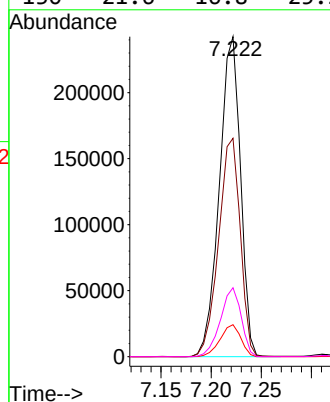
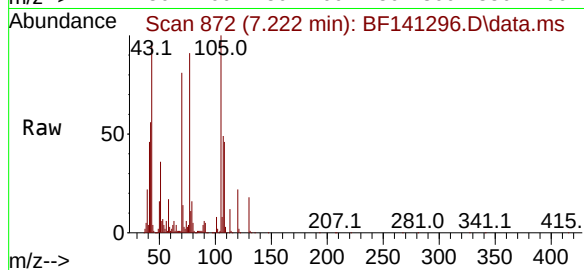
130 21.6 16.8 25.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#20

3+4-Methylphenols

Concen: 54.781 ng

RT: 7.210 min Scan# 870

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

Tgt Ion:107 Resp: 496888

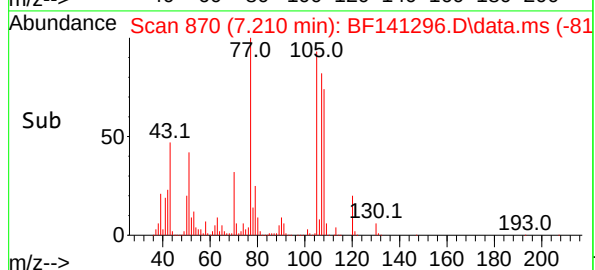
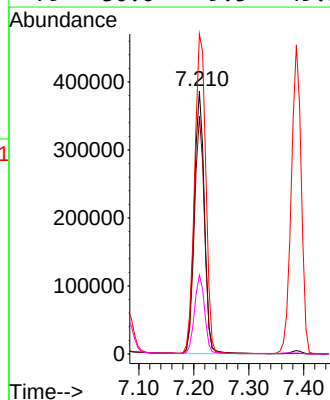
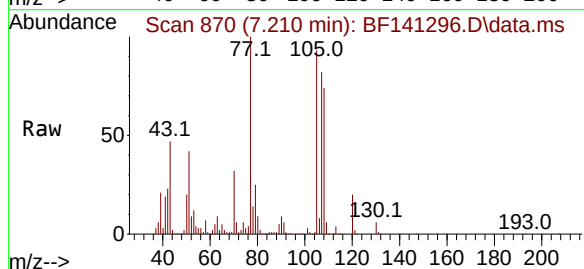
Ion Ratio Lower Upper

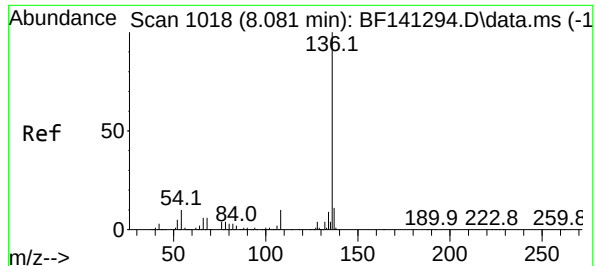
107 100

108 90.4 70.9 110.9

77 121.7 98.5 138.5

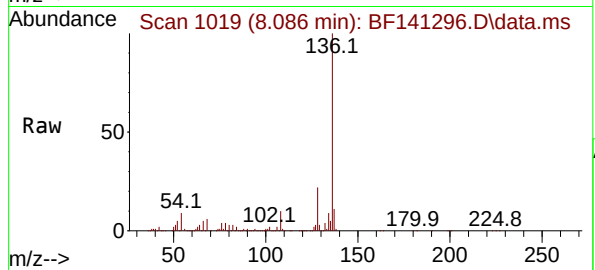
79 30.0 9.5 49.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.086 min Scan# 1018
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

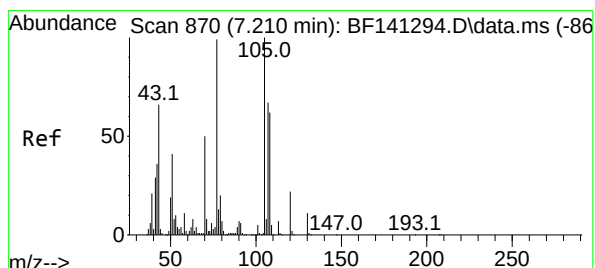
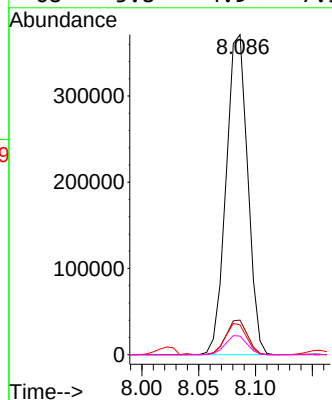
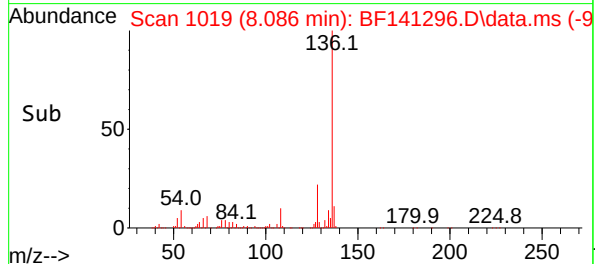
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:136 Resp: 490777
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 9.3 7.8 11.8
68 5.8 4.9 7.3

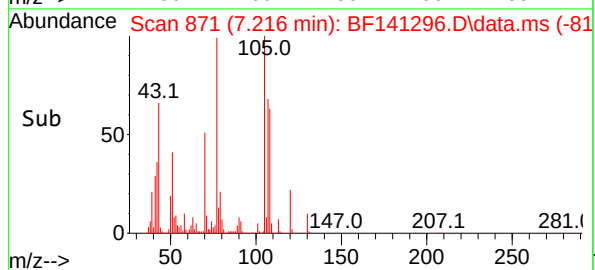
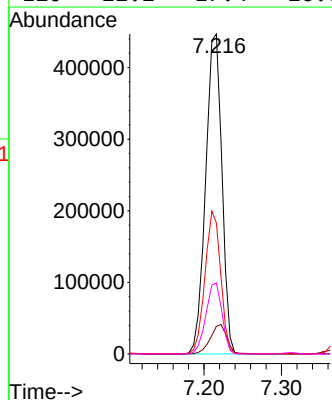
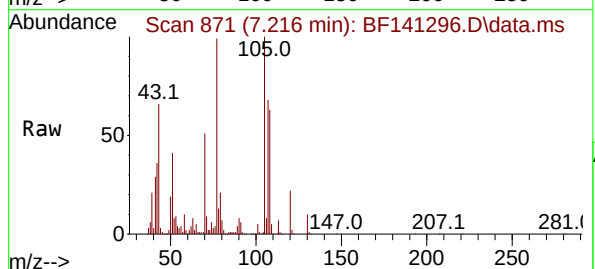
Manual Integrations
APPROVED

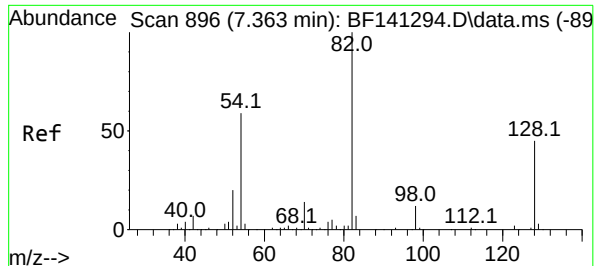
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#22
Acetophenone
Concen: 53.679 ng
RT: 7.216 min Scan# 871
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:105 Resp: 651575
Ion Ratio Lower Upper
105 100
71 8.6 6.8 10.2
51 41.0 32.6 49.0
120 22.2 17.4 26.0





#23

Nitrobenzene-d5

Concen: 115.711 ng

RT: 7.369 min Scan# 89

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion: 82 Resp: 109819

Ion Ratio Lower Upper

82 100

128 44.6 35.7 53.5

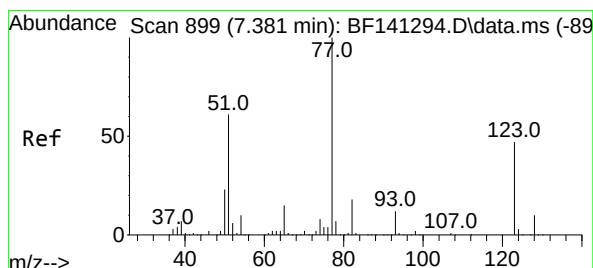
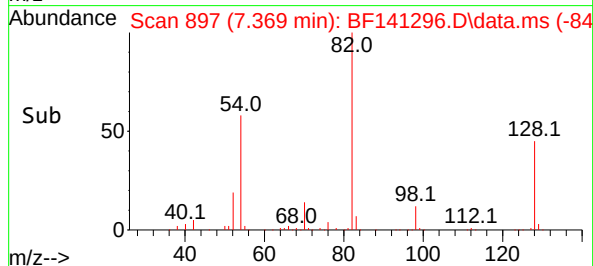
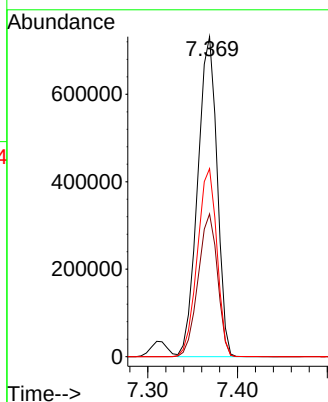
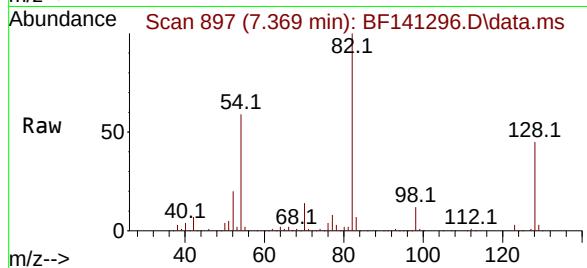
54 58.7 47.1 70.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#24

Nitrobenzene

Concen: 58.138 ng

RT: 7.386 min Scan# 900

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

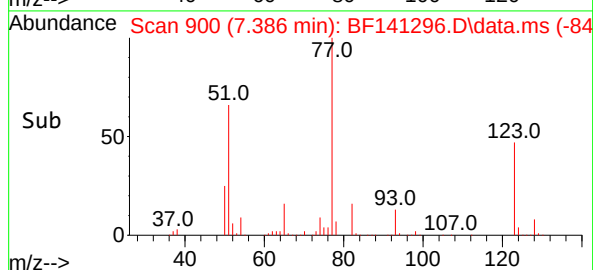
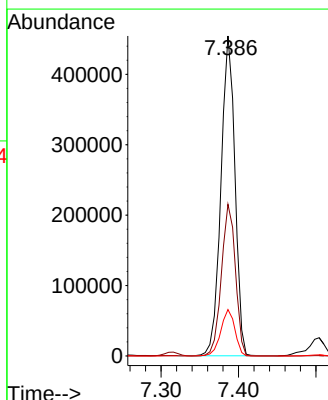
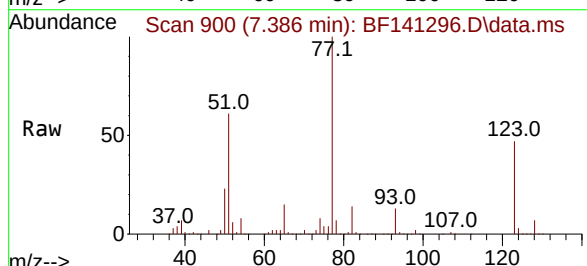
Tgt Ion: 77 Resp: 572234

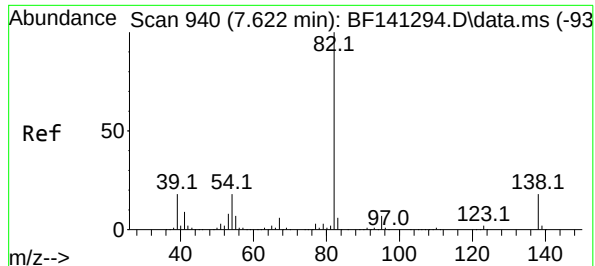
Ion Ratio Lower Upper

77 100

123 47.4 37.3 55.9

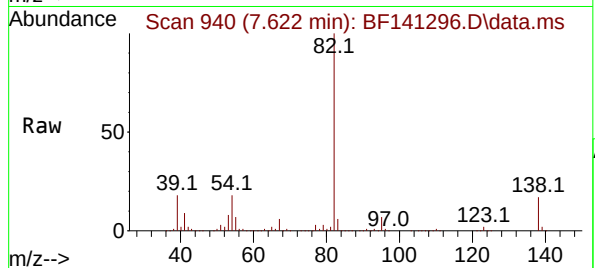
65 14.5 11.8 17.6





#25
Isophorone
Concen: 58.383 ng
RT: 7.622 min Scan# 940
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

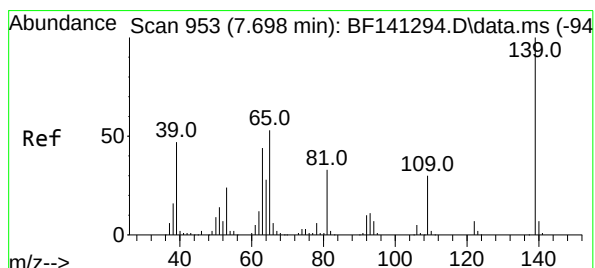
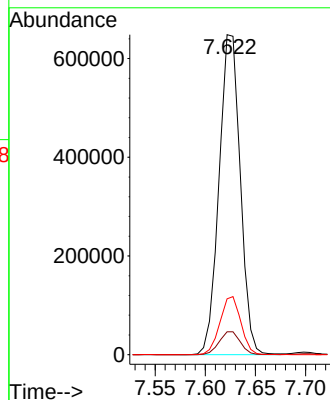
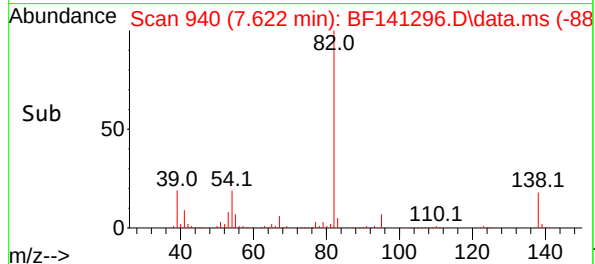
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



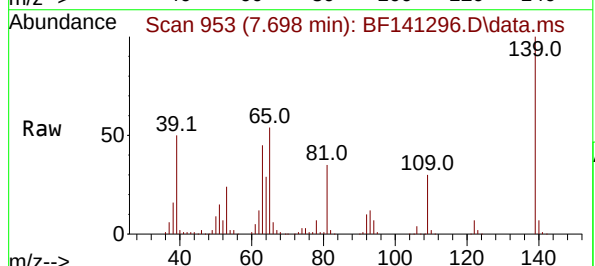
Tgt Ion: 82 Resp: 95367
Ion Ratio Lower Upper
82 100
95 7.2 5.8 8.6
138 17.5 14.7 22.1

Manual Integrations
APPROVED

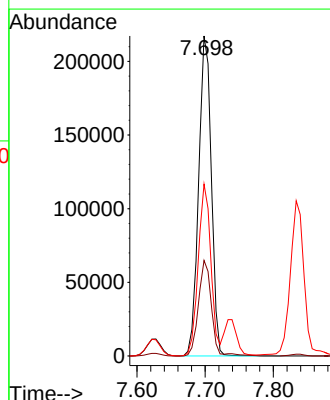
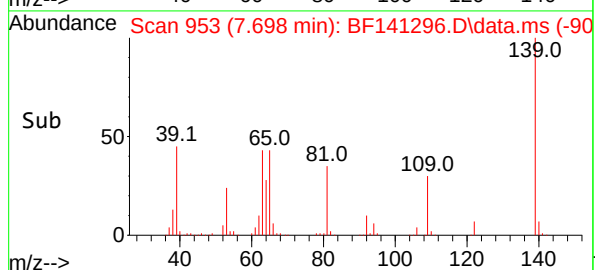
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

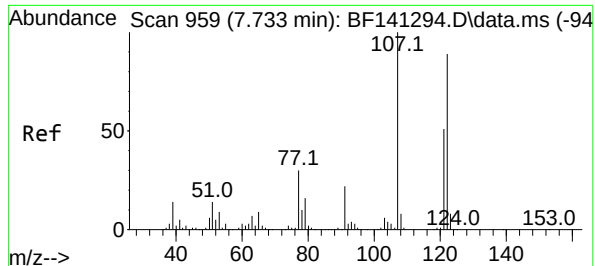


#26
2-Nitrophenol
Concen: 61.652 ng
RT: 7.698 min Scan# 953
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38



Tgt Ion:139 Resp: 280785
Ion Ratio Lower Upper
139 100
109 29.9 23.8 35.6
65 53.7 42.2 63.4





#27

2,4-Dimethylphenol

Concen: 60.006 ng m

RT: 7.739 min Scan# 9

Delta R.T. 0.006 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:122 Resp: 350784

Ion Ratio Lower Upper

122 100

107 110.7 89.9 134.9

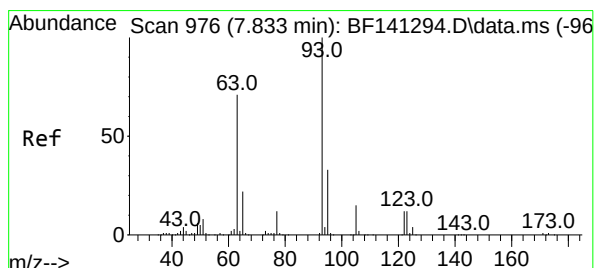
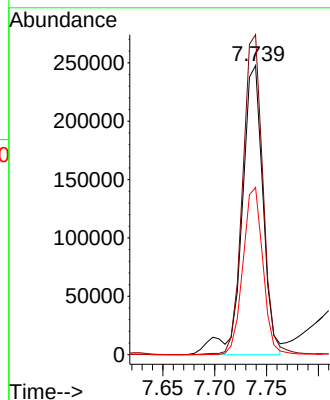
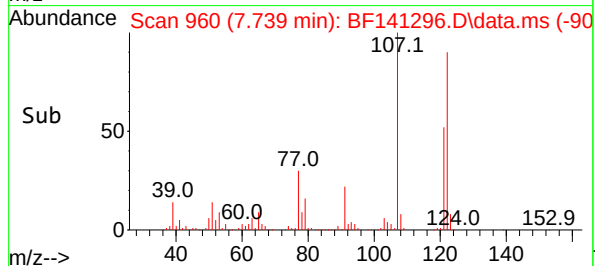
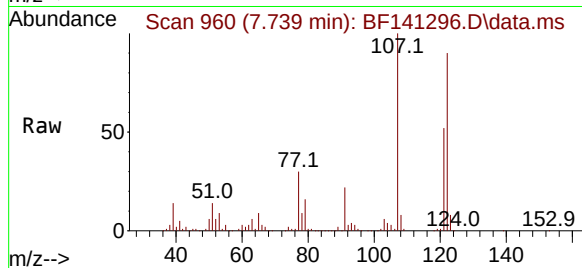
121 57.8 46.1 69.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#28

bis(2-Chloroethoxy)methane

Concen: 57.853 ng

RT: 7.833 min Scan# 976

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

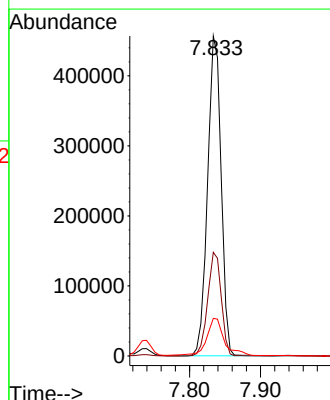
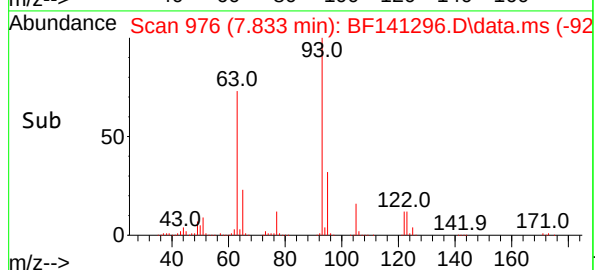
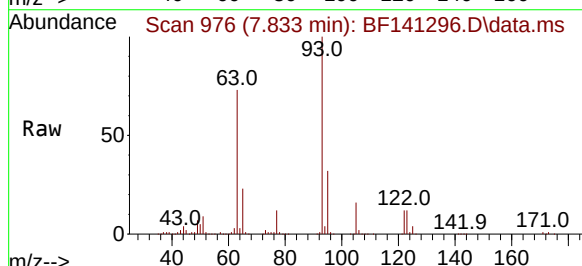
Tgt Ion: 93 Resp: 605644

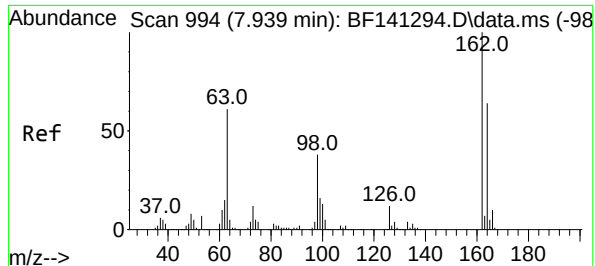
Ion Ratio Lower Upper

93 100

95 32.4 26.2 39.2

123 11.8 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 58.315 ng

RT: 7.939 min Scan# 994

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

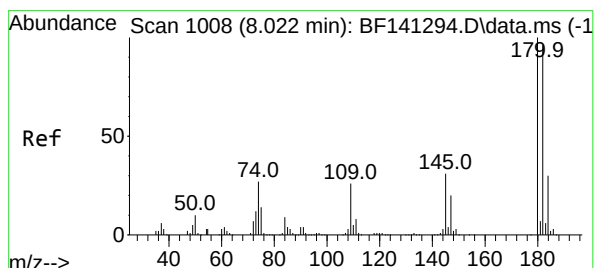
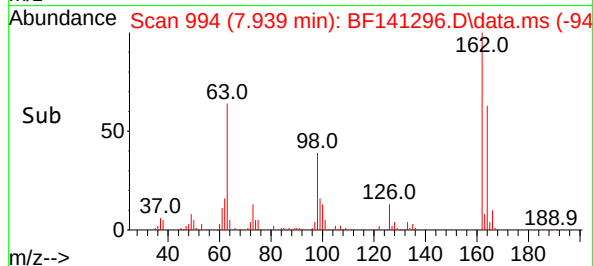
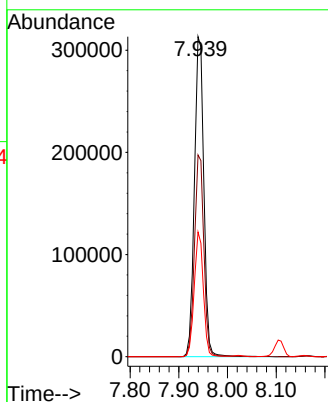
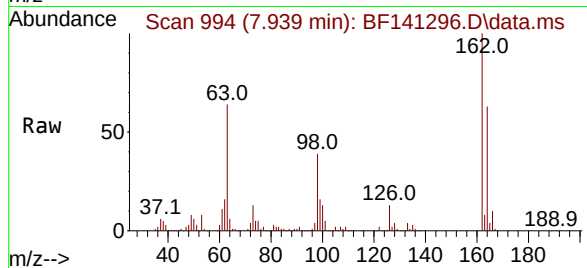
Tgt Ion:162 Resp: 421744
Ion Ratio Lower Upper
162 100
164 63.0 44.2 84.2
98 38.9 18.2 58.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#30

1,2,4-Trichlorobenzene

Concen: 55.787 ng

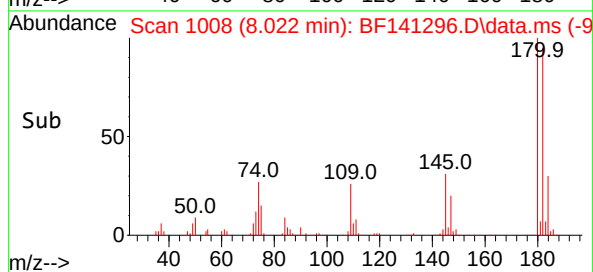
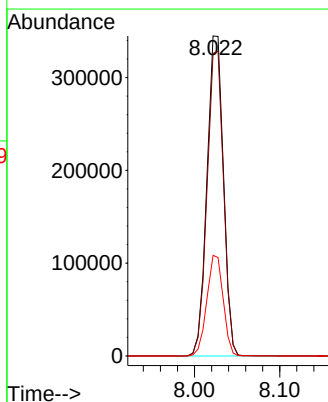
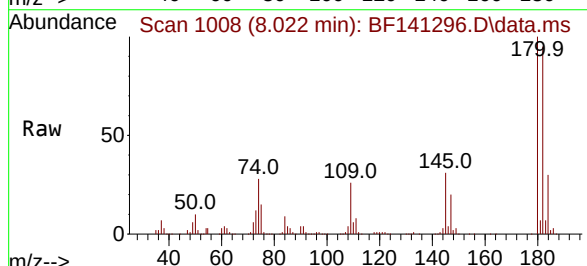
RT: 8.022 min Scan# 1008

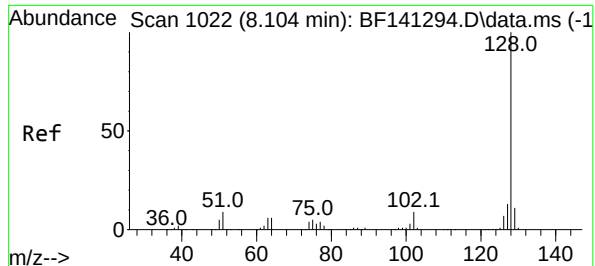
Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

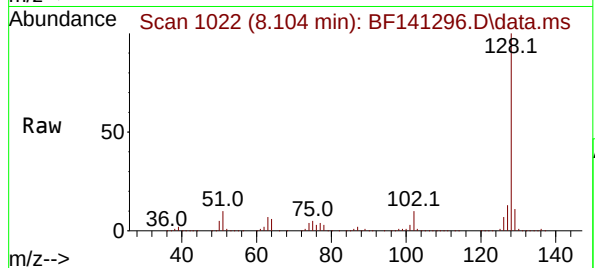
Tgt Ion:180 Resp: 465841
Ion Ratio Lower Upper
180 100
182 94.5 76.4 114.6
145 31.4 24.9 37.3





#31
Naphthalene
Concen: 54.933 ng
RT: 8.104 min Scan# 1022
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

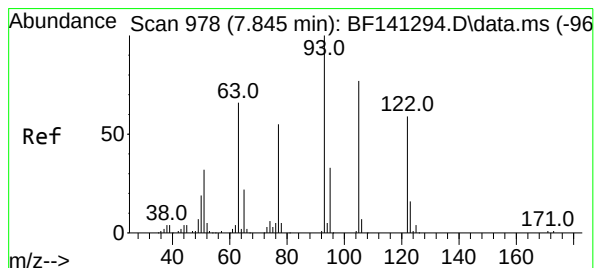
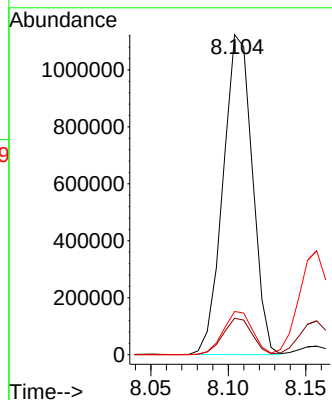
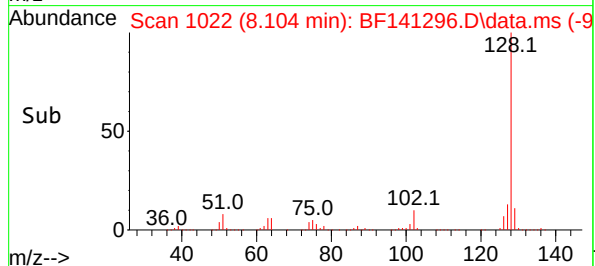
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:128 Resp: 1475900
Ion Ratio Lower Upper
128 100
129 11.4 8.9 13.3
127 13.5 10.6 15.8

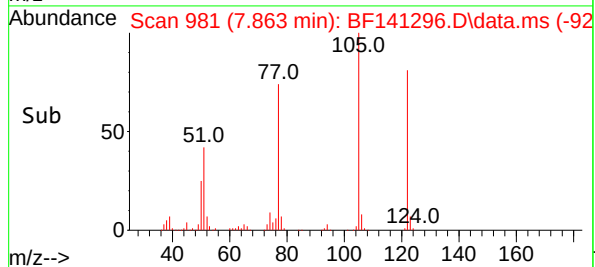
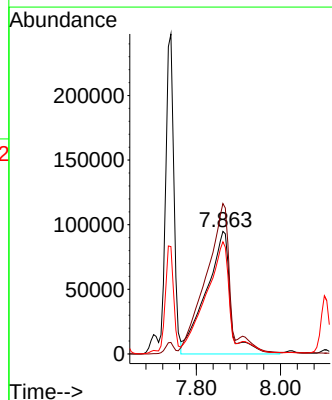
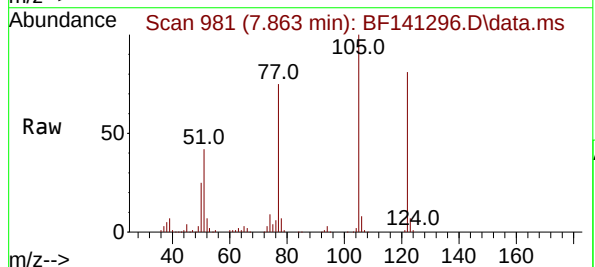
Manual Integrations
APPROVED

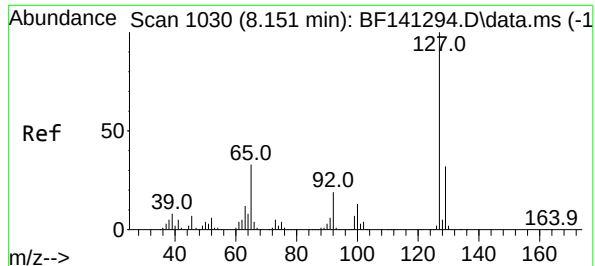
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#32
Benzoic acid
Concen: 76.193 ng m
RT: 7.863 min Scan# 981
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:122 Resp: 380664
Ion Ratio Lower Upper
122 100
105 122.7 103.4 143.4
77 91.6 70.9 110.9





#33

4-Chloroaniline

Concen: 56.786 ng

RT: 8.157 min Scan# 1031

Delta R.T. 0.006 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:127 Resp: 513149

Ion Ratio Lower Upper

127 100

129 32.4 25.7 38.5

65 31.7 26.4 39.6

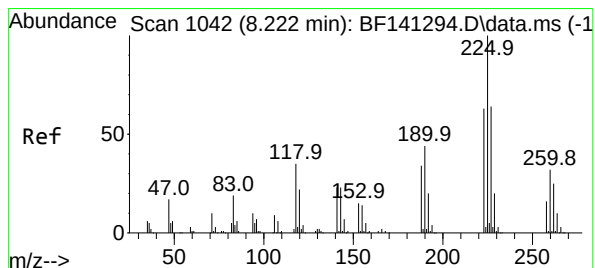
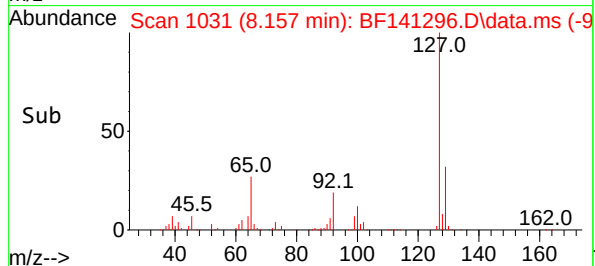
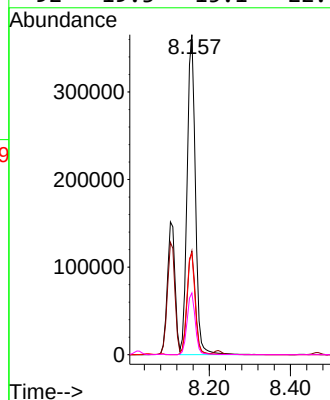
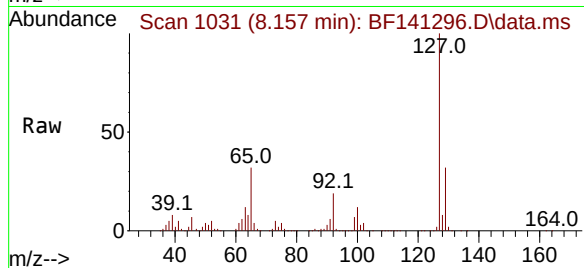
92 19.3 15.1 22.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#34

Hexachlorobutadiene

Concen: 56.533 ng

RT: 8.222 min Scan# 1042

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

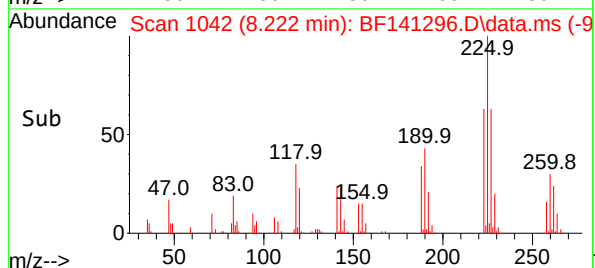
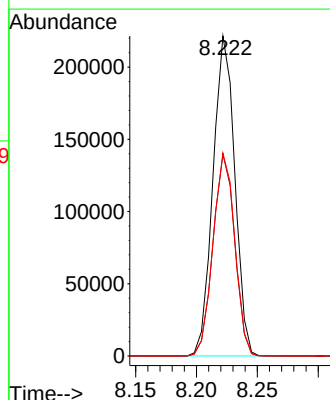
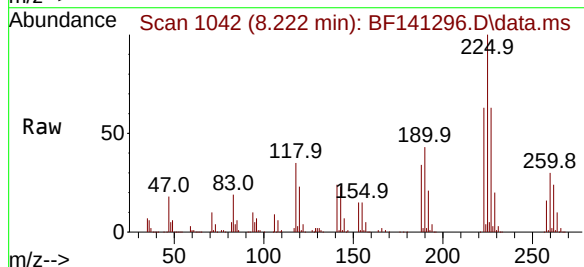
Tgt Ion:225 Resp: 275524

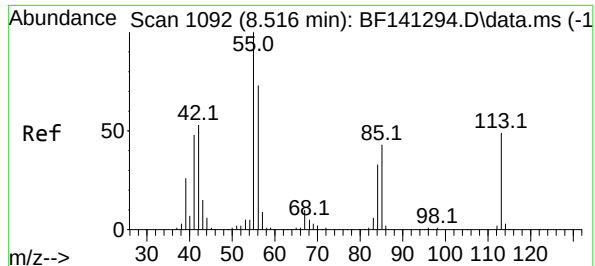
Ion Ratio Lower Upper

225 100

223 63.0 50.4 75.6

227 63.4 51.3 76.9





#35

Caprolactam

Concen: 60.337 ng

RT: 8.533 min Scan# 1109

Delta R.T. 0.006 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:113 Resp: 14102

Ion Ratio Lower Upper

113 100

55 200.2 182.9 222.9

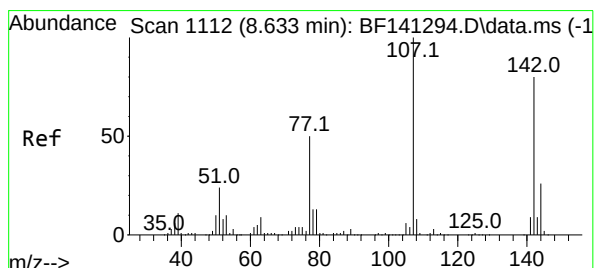
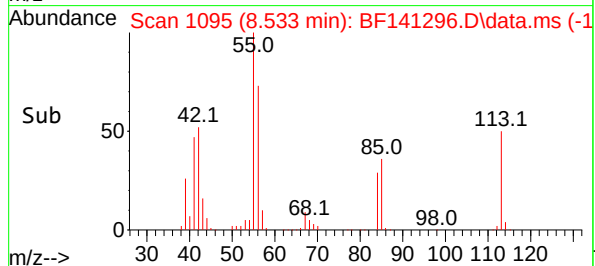
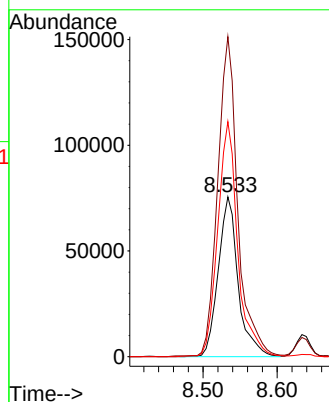
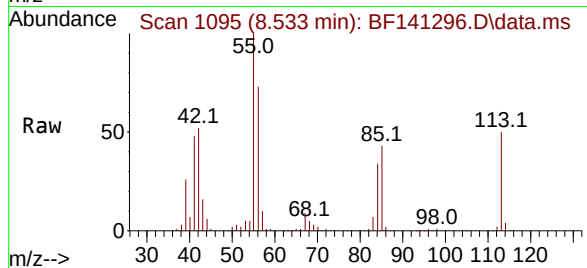
56 147.0 127.9 167.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#36

4-Chloro-3-methylphenol

Concen: 58.389 ng

RT: 8.633 min Scan# 1112

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

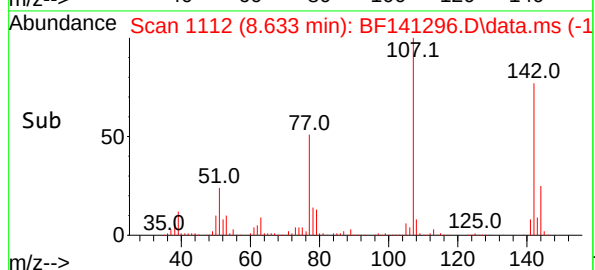
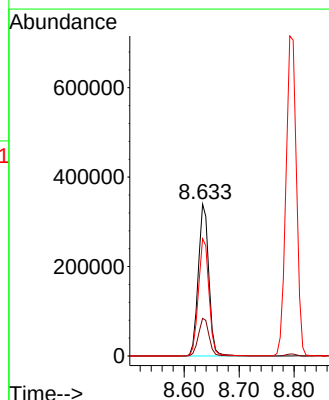
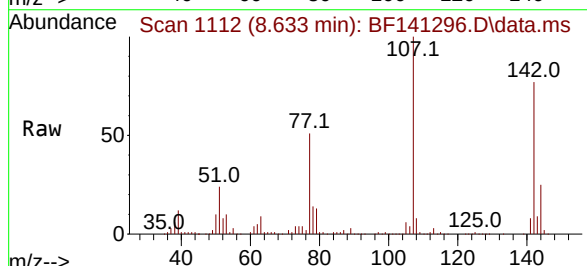
Tgt Ion:107 Resp: 452438

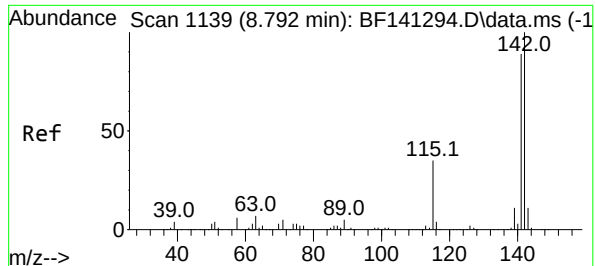
Ion Ratio Lower Upper

107 100

144 24.8 20.7 31.1

142 77.2 63.8 95.8





#37

2-Methylnaphthalene

Concen: 55.126 ng

RT: 8.792 min Scan# 1139

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:142 Resp: 94115

Ion Ratio Lower Upper

142 100

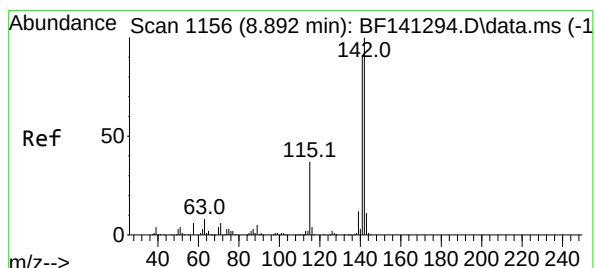
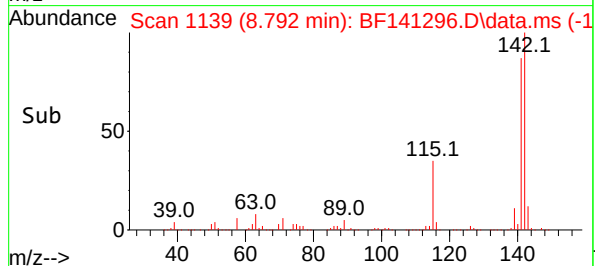
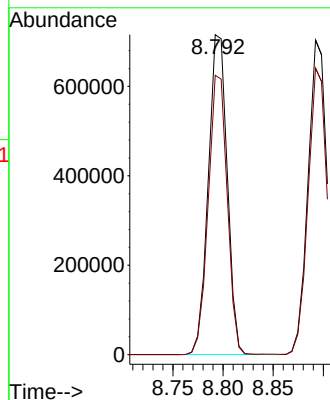
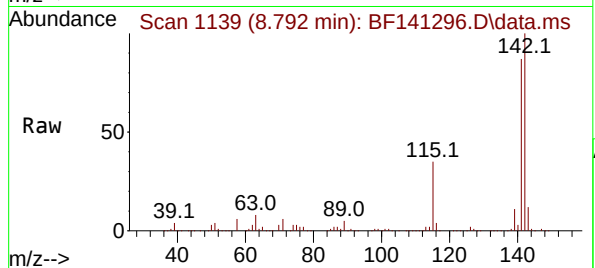
141 87.3 71.3 106.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#38

1-Methylnaphthalene

Concen: 54.632 ng

RT: 8.892 min Scan# 1156

Delta R.T. -0.000 min

Lab File: BF141296.D

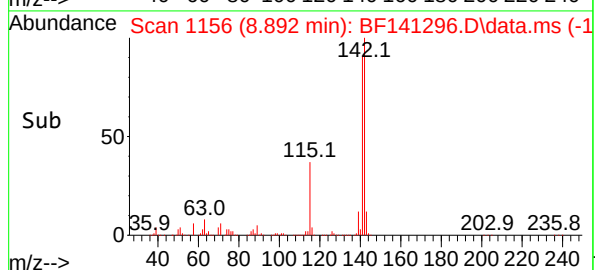
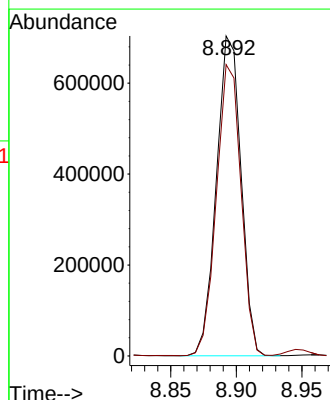
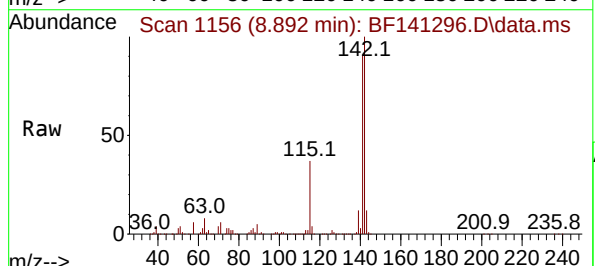
Acq: 29 Jan 2025 16:38

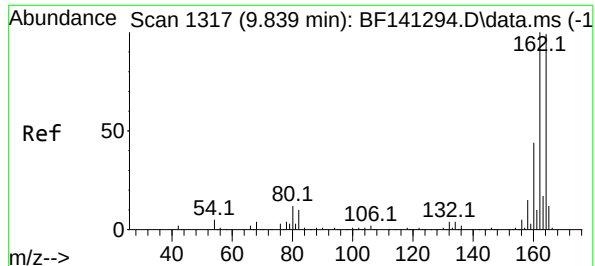
Tgt Ion:142 Resp: 917389

Ion Ratio Lower Upper

142 100

141 91.1 73.2 109.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.839 min Scan# 1167

Delta R.T. -0.000 min

Lab File: BF141296.D

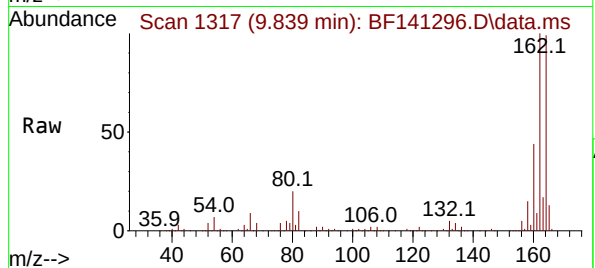
Acq: 29 Jan 2025 16:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC060



Tgt Ion:164 Resp: 260269

Ion Ratio Lower Upper

164 100

162 101.4 80.6 121.0

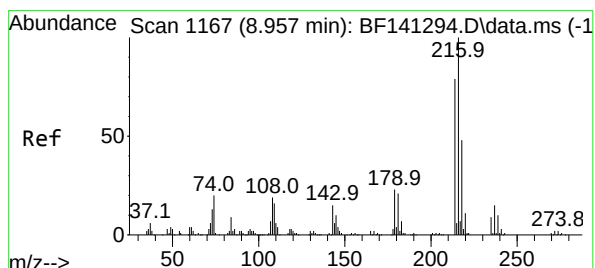
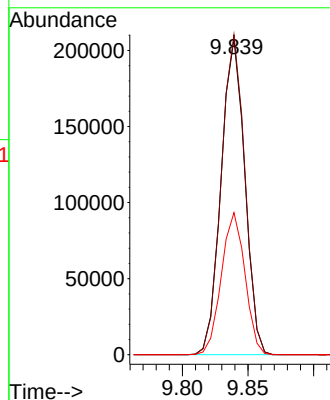
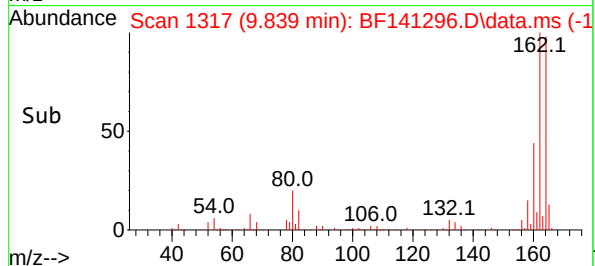
160 45.0 35.8 53.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#40

1,2,4,5-Tetrachlorobenzene

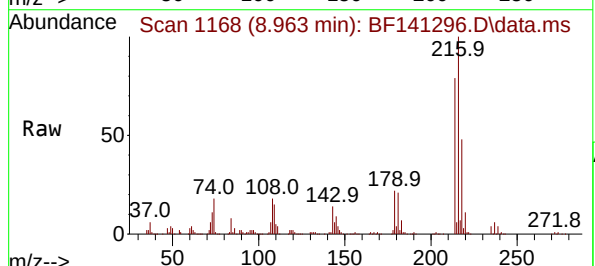
Concen: 56.609 ng

RT: 8.963 min Scan# 1168

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38



Tgt Ion:216 Resp: 430239

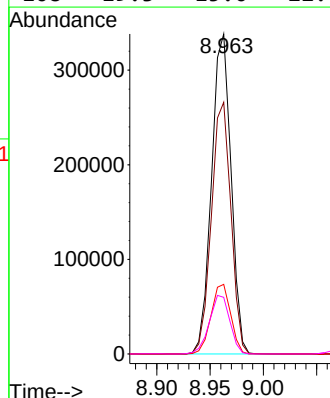
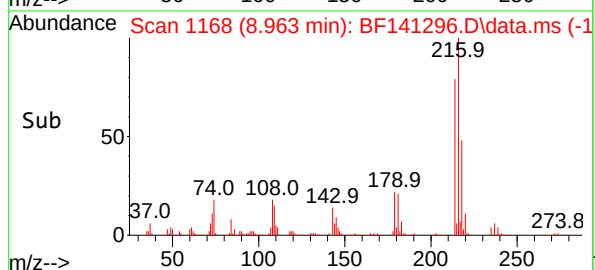
Ion Ratio Lower Upper

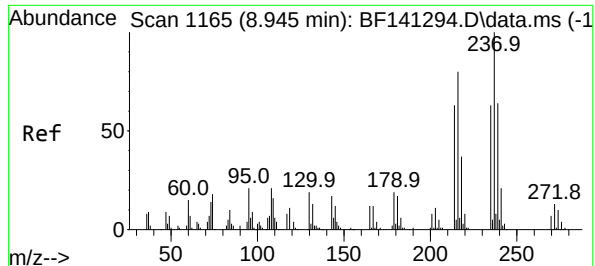
216 100

214 78.9 63.2 94.8

179 22.0 17.8 26.8

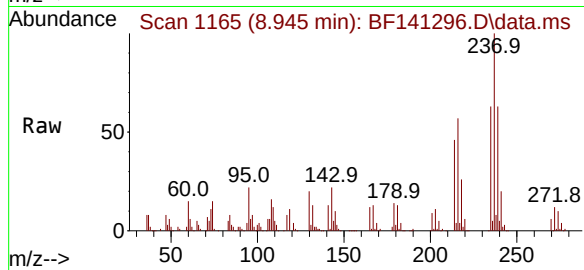
108 19.3 15.0 22.6





#41
Hexachlorocyclopentadiene
Concen: 66.154 ng
RT: 8.945 min Scan# 1165
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

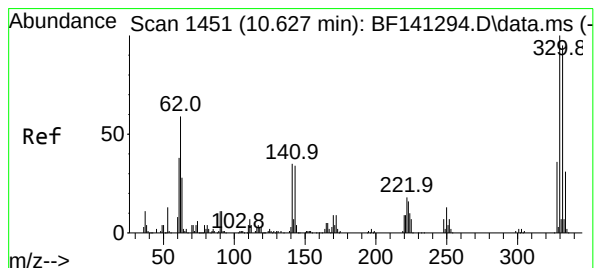
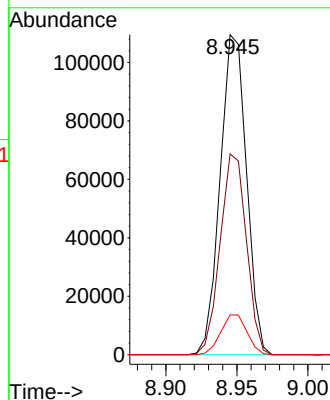
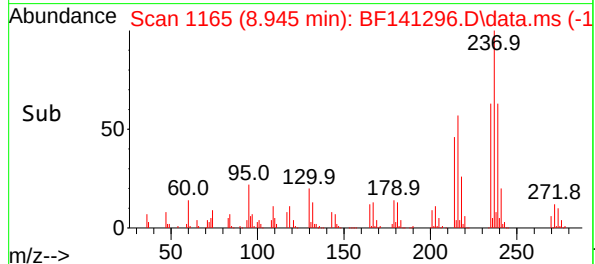
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion: 237 Resp: 14138
Ion Ratio Lower Upper
237 100
235 62.8 42.9 82.9
272 12.5 0.0 32.8

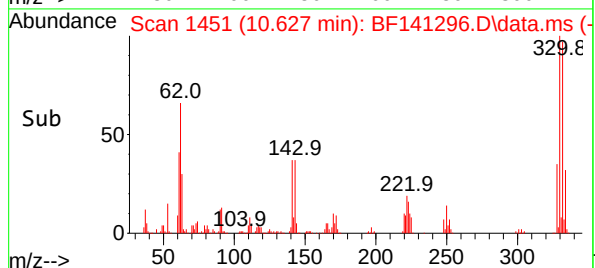
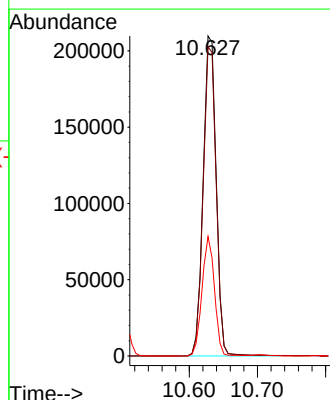
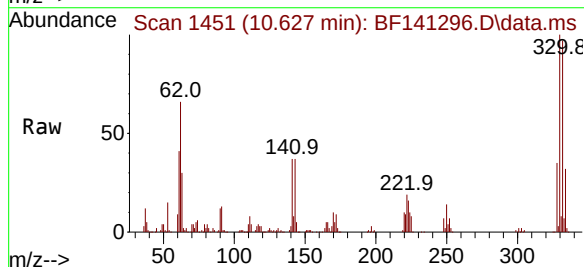
Manual Integrations
APPROVED

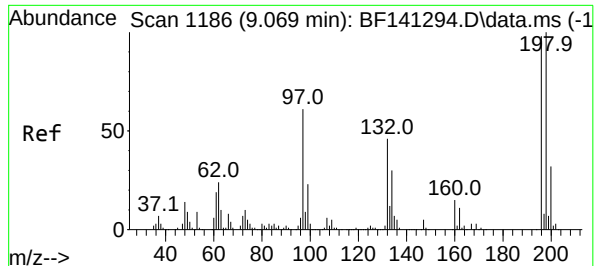
Reviewed By : Yogesh Patel 01/30/2025
Supervised By : mohammad ahmed 02/04/2025



#42
2,4,6-Tribromophenol
Concen: 113.824 ng
RT: 10.627 min Scan# 1451
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion: 330 Resp: 279105
Ion Ratio Lower Upper
330 100
332 96.7 76.1 114.1
141 35.8 28.8 43.2





#43

2,4,6-Trichlorophenol

Concen: 58.588 ng

RT: 9.075 min Scan# 1186

Delta R.T. 0.006 min

Lab File: BF141296.D

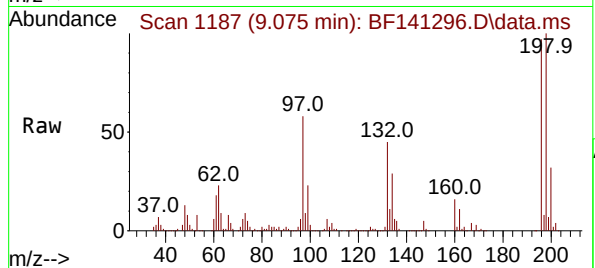
Acq: 29 Jan 2025 16:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC060



Tgt Ion:196 Resp: 288290

Ion Ratio Lower Upper

196 100

198 102.9 81.8 122.6

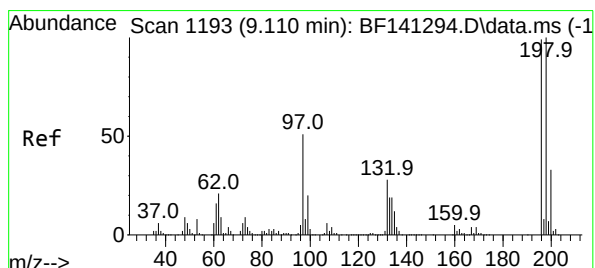
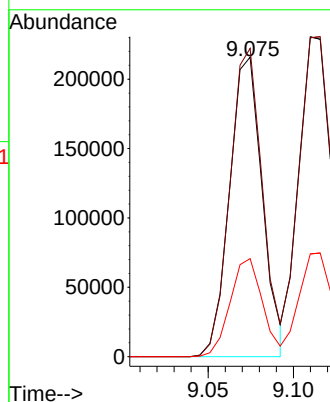
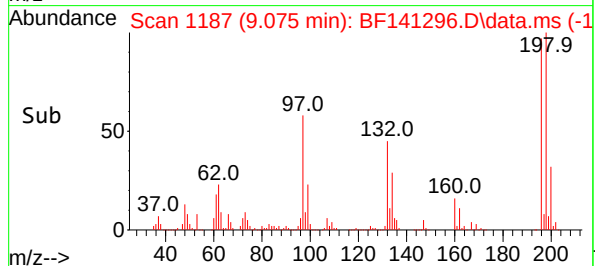
200 32.7 26.3 39.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#44

2,4,5-Trichlorophenol

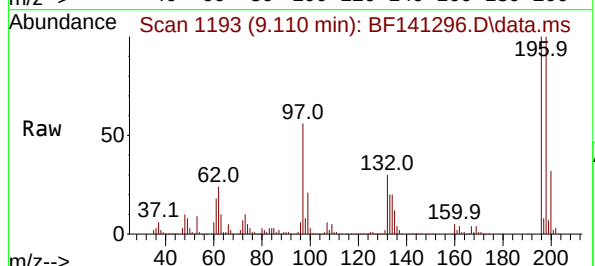
Concen: 59.000 ng

RT: 9.110 min Scan# 1193

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38



Tgt Ion:196 Resp: 314912

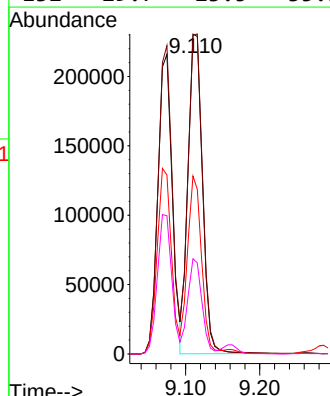
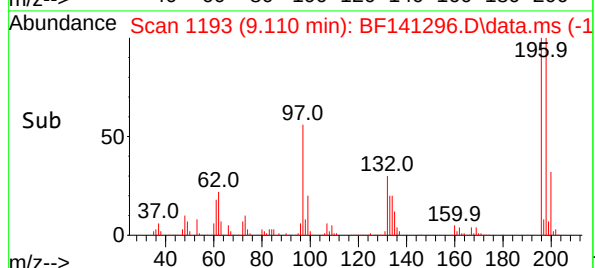
Ion Ratio Lower Upper

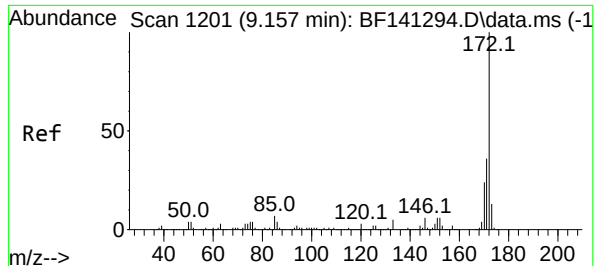
196 100

198 99.7 80.5 120.7

97 55.7 42.8 64.2

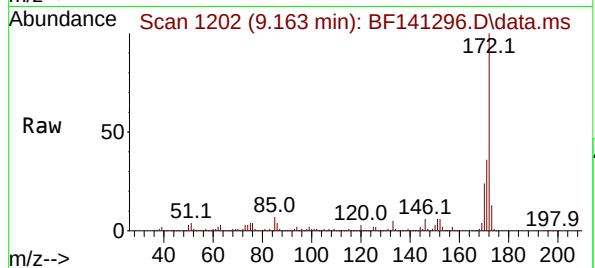
132 29.7 23.5 35.3





#45
2-Fluorobiphenyl
Concen: 102.411 ng
RT: 9.163 min Scan# 1202
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

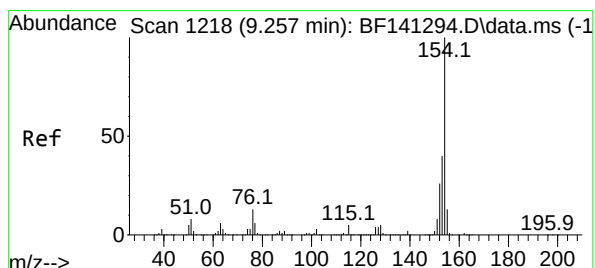
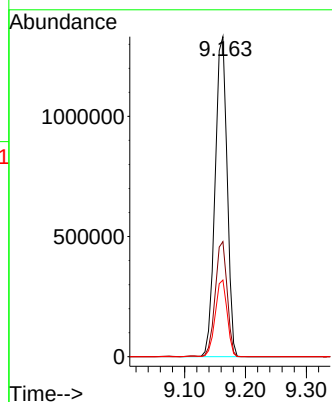
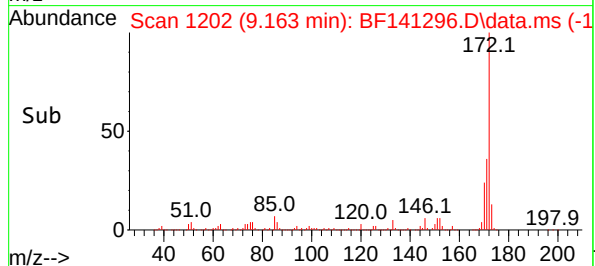
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:172 Resp: 1824372
Ion Ratio Lower Upper
172 100
171 36.0 28.8 43.2
170 24.0 19.0 28.6

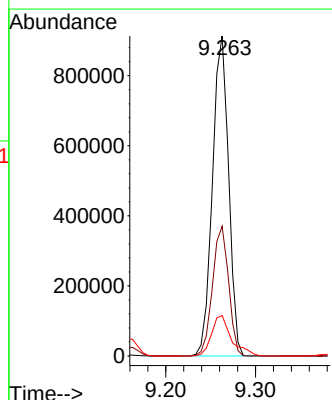
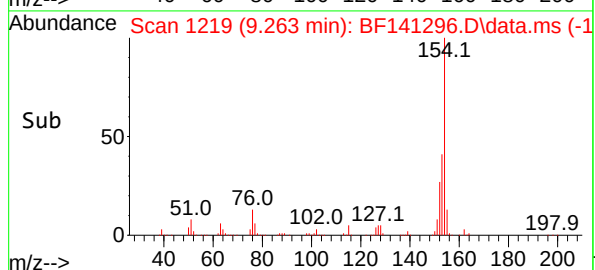
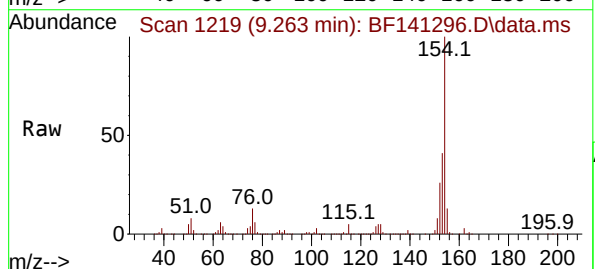
Manual Integrations
APPROVED

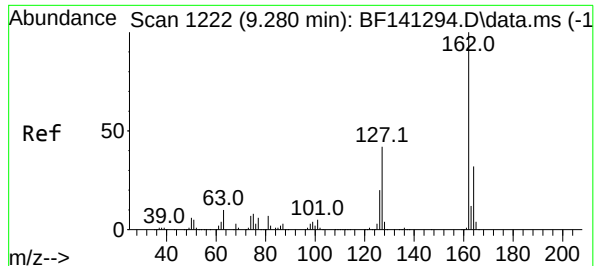
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#46
1,1'-Biphenyl
Concen: 54.084 ng
RT: 9.263 min Scan# 1219
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:154 Resp: 1139946
Ion Ratio Lower Upper
154 100
153 40.6 20.0 60.0
76 12.7 0.0 32.8





#47

2-Chloronaphthalene

Concen: 55.247 ng

RT: 9.286 min Scan# 1222

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:162 Resp: 90256

Ion Ratio Lower Upper

162 100

127 41.8 33.7 50.5

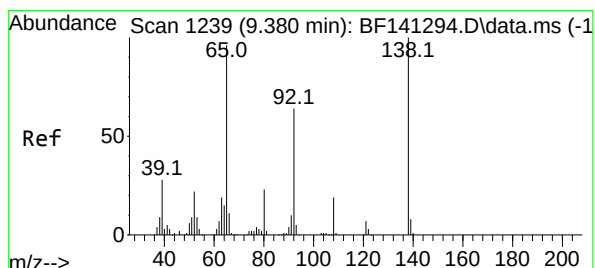
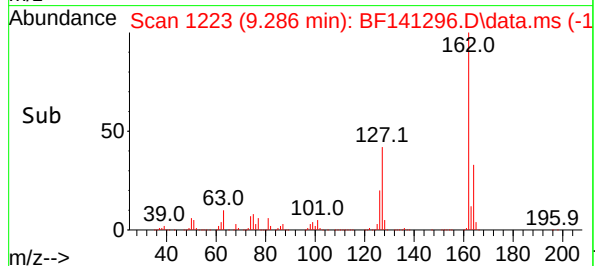
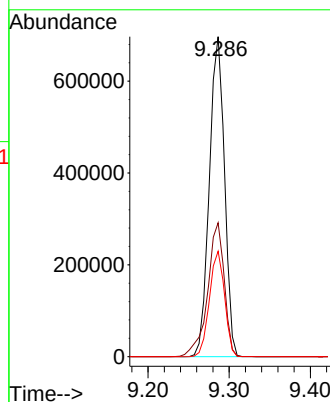
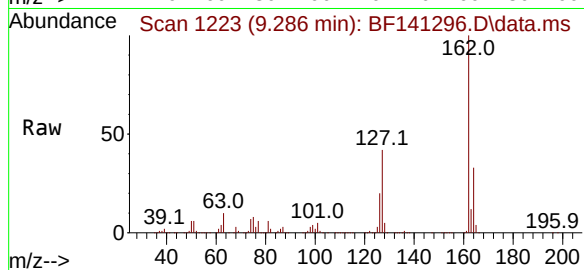
164 33.0 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#48

2-Nitroaniline

Concen: 59.861 ng

RT: 9.380 min Scan# 1239

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

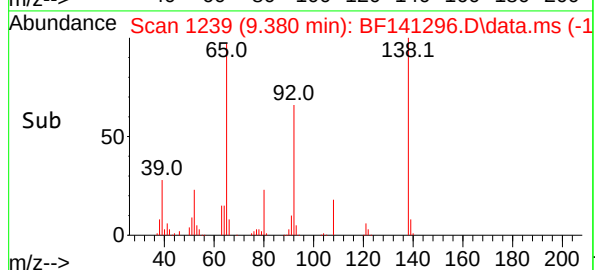
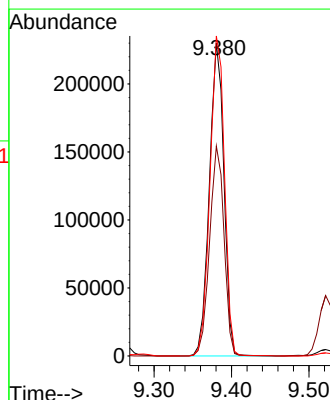
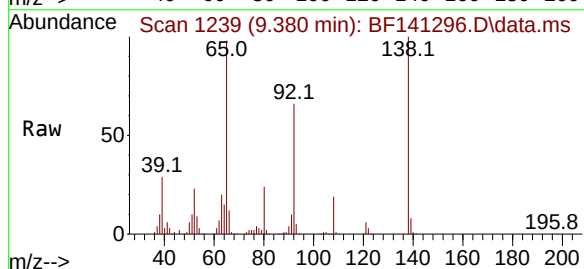
Tgt Ion: 65 Resp: 300339

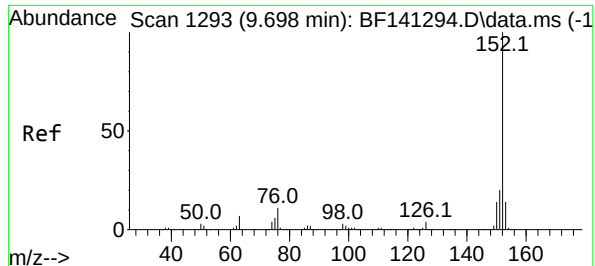
Ion Ratio Lower Upper

65 100

92 67.1 53.3 79.9

138 102.3 83.6 125.4





#49

Acenaphthylene

Concen: 54.924 ng

RT: 9.698 min Scan# 1293

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:152 Resp: 125873

Ion Ratio Lower Upper

152 100

151 20.3 16.2 24.2

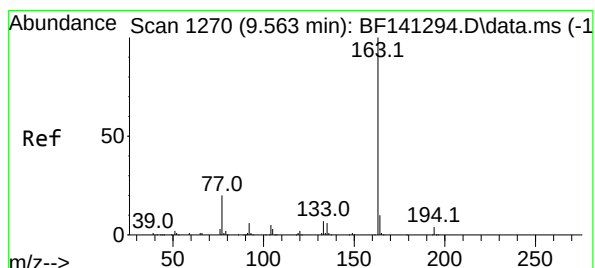
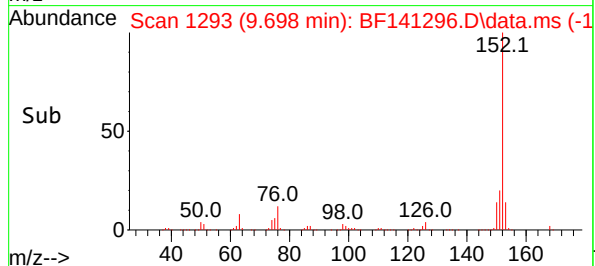
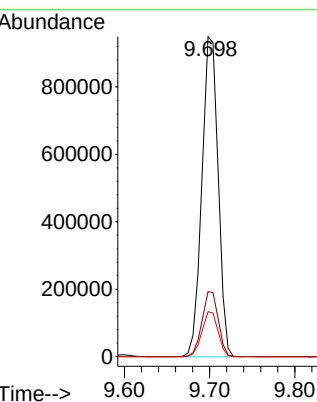
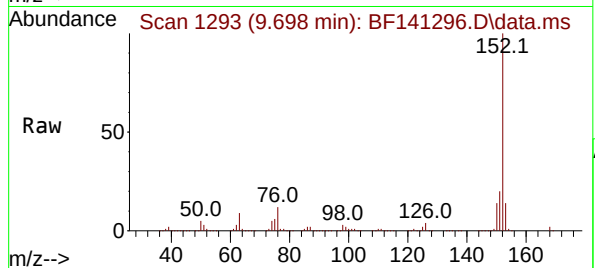
153 14.1 11.0 16.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#50

Dimethylphthalate

Concen: 56.075 ng

RT: 9.569 min Scan# 1271

Delta R.T. 0.006 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

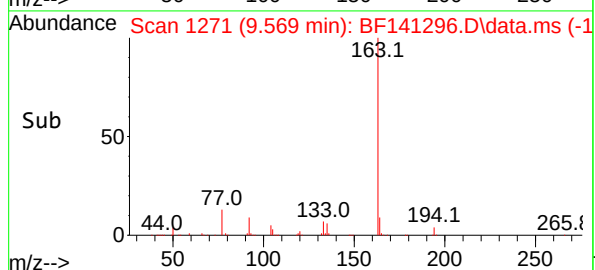
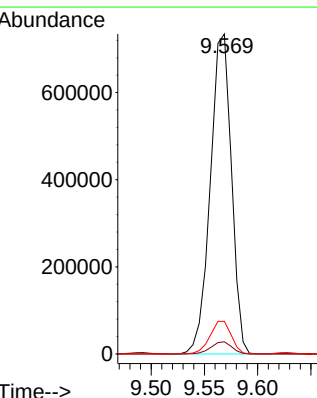
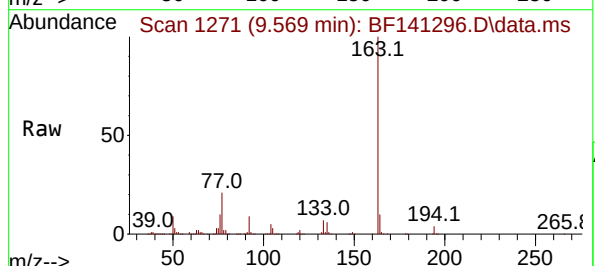
Tgt Ion:163 Resp: 1012298

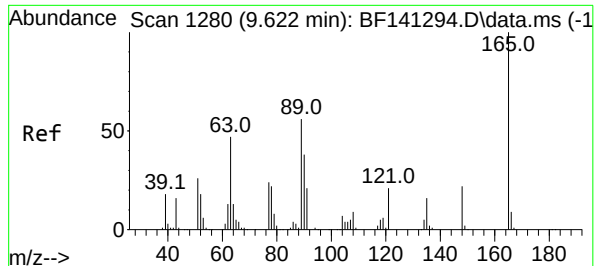
Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.6

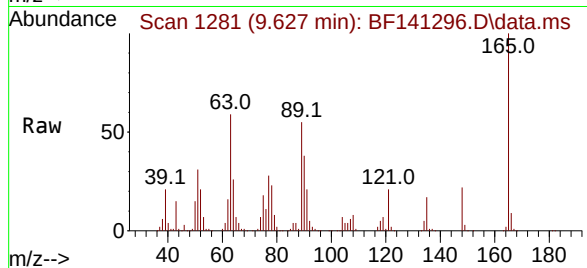
164 10.2 8.0 12.0





#51
2,6-Dinitrotoluene
Concen: 58.050 ng
RT: 9.627 min Scan# 1280
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

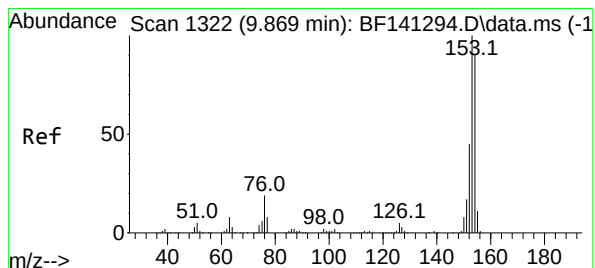
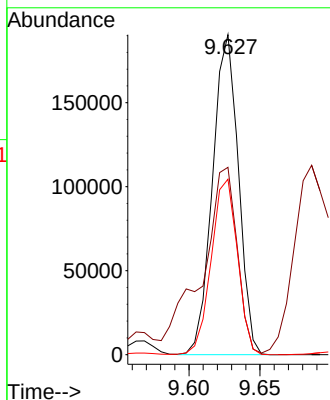
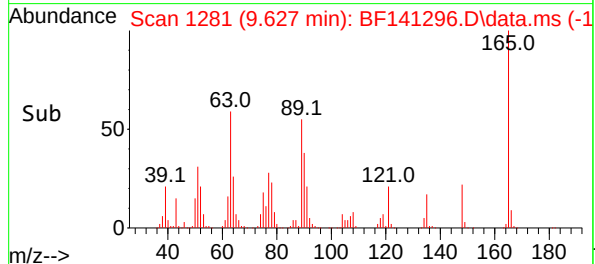
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:165 Resp: 24124
Ion Ratio Lower Upper
165 100
63 58.5 48.1 72.1
89 54.8 44.9 67.3

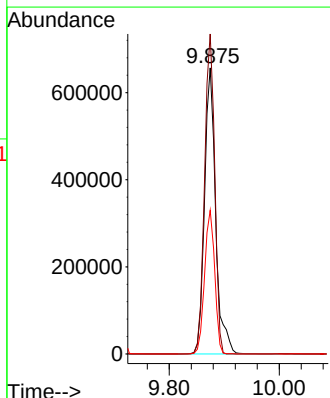
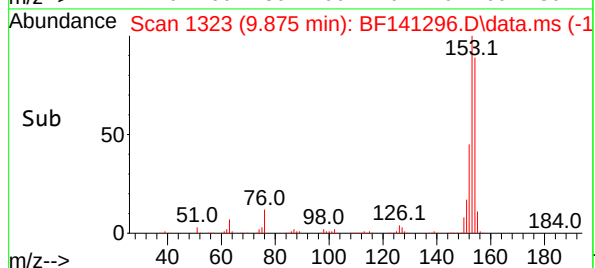
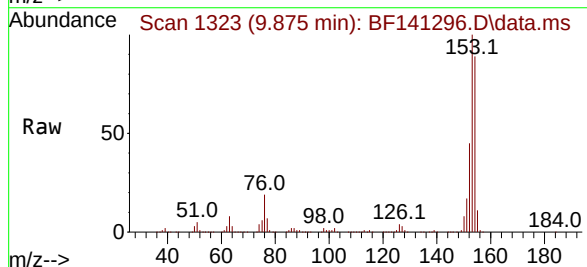
Manual Integrations
APPROVED

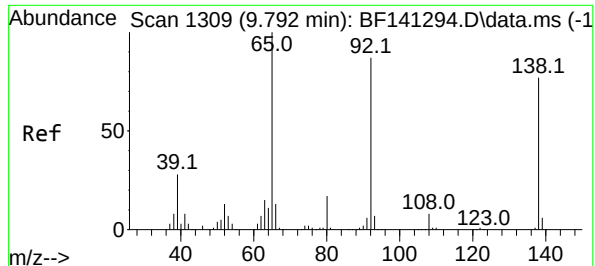
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#52
Acenaphthene
Concen: 56.639 ng
RT: 9.875 min Scan# 1323
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

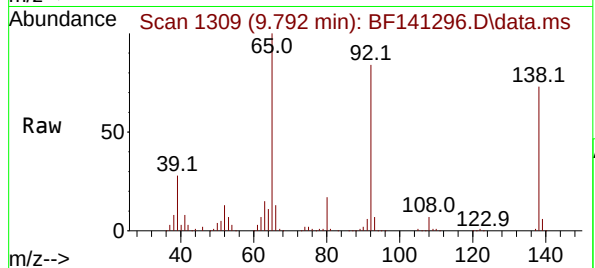
Tgt Ion:154 Resp: 921519
Ion Ratio Lower Upper
154 100
153 111.8 89.0 133.4
152 50.2 40.2 60.4





#53
3-Nitroaniline
Concen: 56.245 ng
RT: 9.792 min Scan# 1309
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

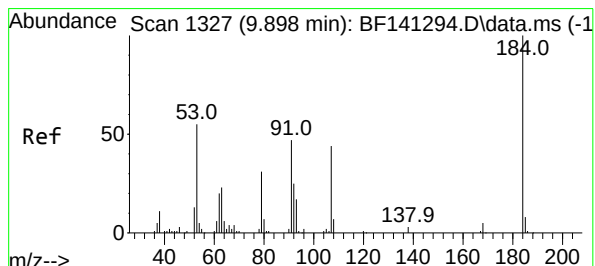
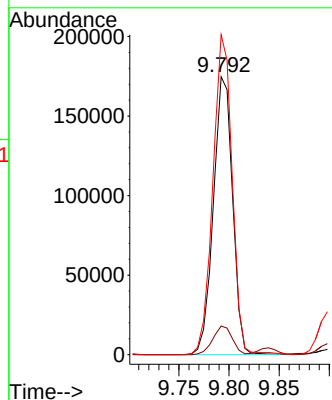
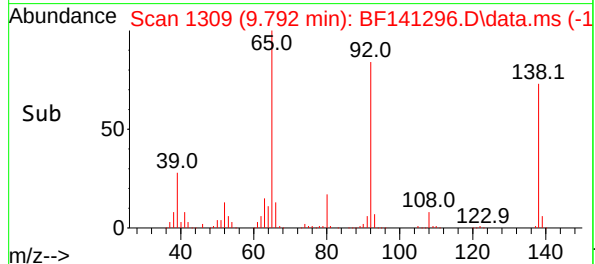
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:138 Resp: 232680
Ion Ratio Lower Upper
138 100
108 10.3 8.6 12.8
92 115.2 91.0 136.6

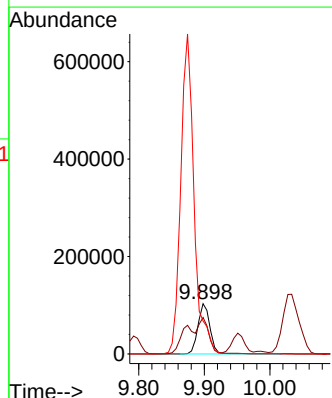
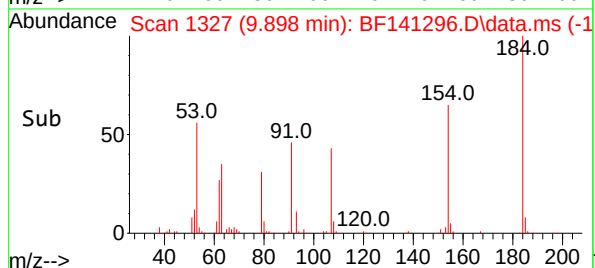
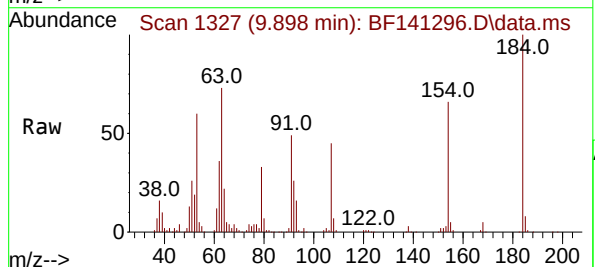
Manual Integrations
APPROVED

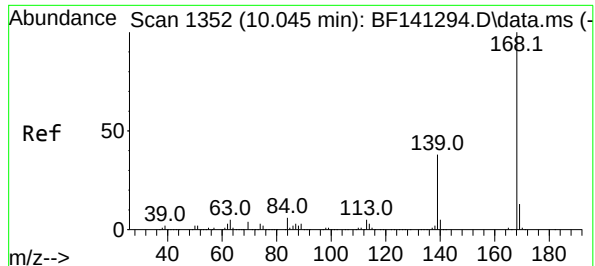
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#54
2,4-Dinitrophenol
Concen: 84.109 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:184 Resp: 132244
Ion Ratio Lower Upper
184 100
63 72.8 54.1 81.1
154 65.5 50.7 76.1





#55

Dibenzenofuran

Concen: 54.629 ng

RT: 10.045 min Scan# 1352

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:168 Resp: 120202

Ion Ratio Lower Upper

168 100

139 38.8 30.6 46.0

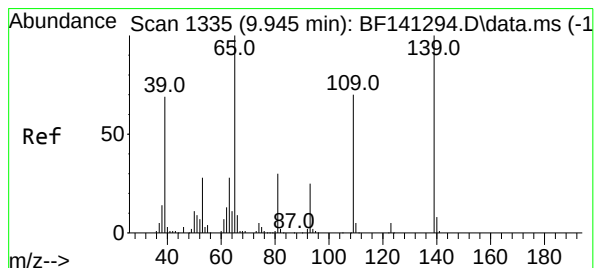
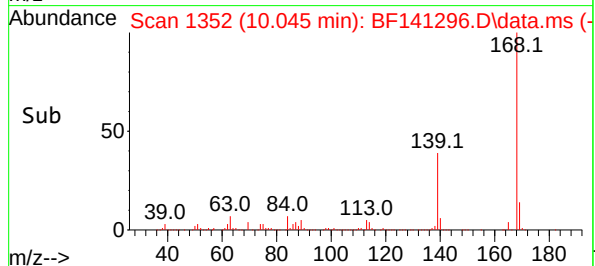
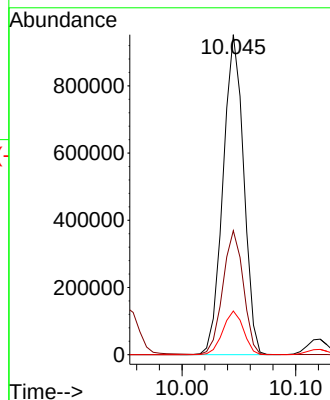
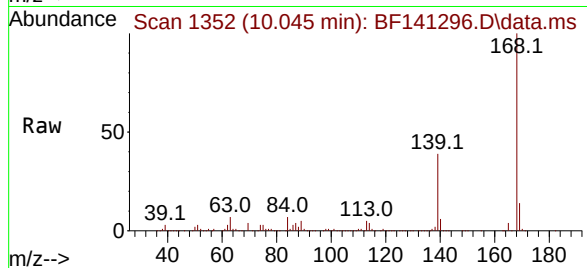
169 13.7 10.8 16.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#56

4-Nitrophenol

Concen: 66.120 ng

RT: 9.951 min Scan# 1336

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

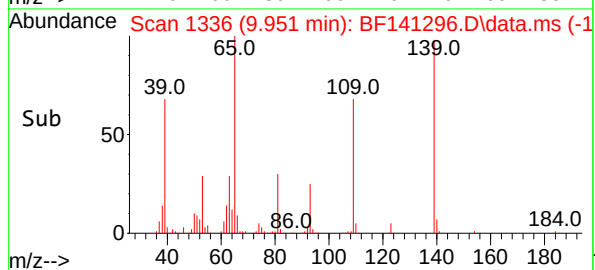
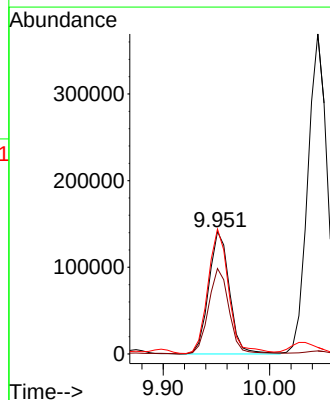
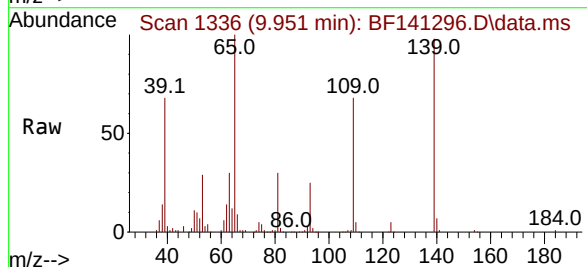
Tgt Ion:139 Resp: 190620

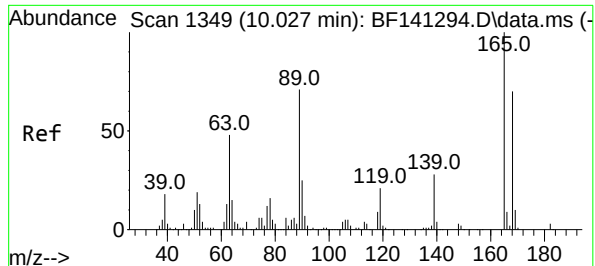
Ion Ratio Lower Upper

139 100

109 69.8 50.2 90.2

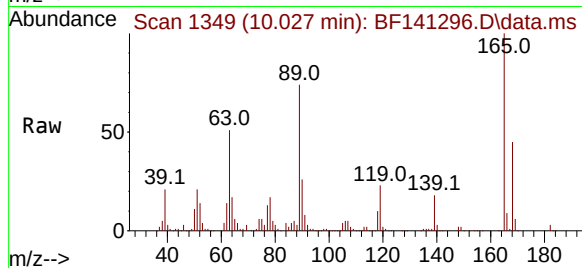
65 102.1 80.6 120.6





#57
2,4-Dinitrotoluene
Concen: 58.312 ng
RT: 10.027 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

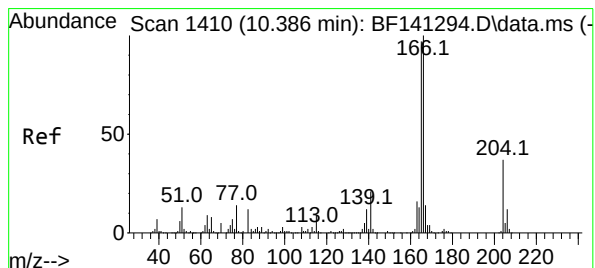
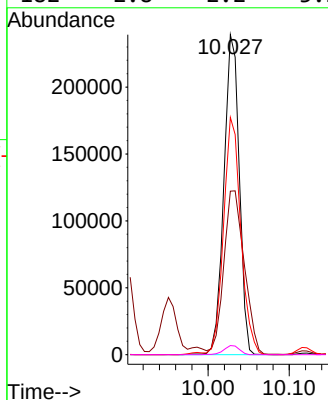
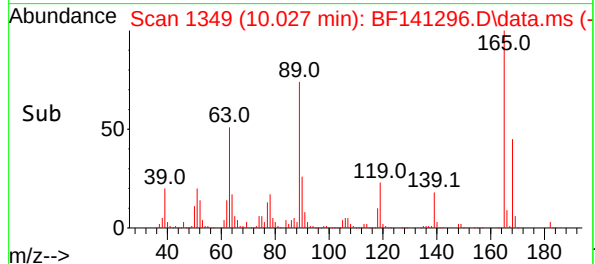
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



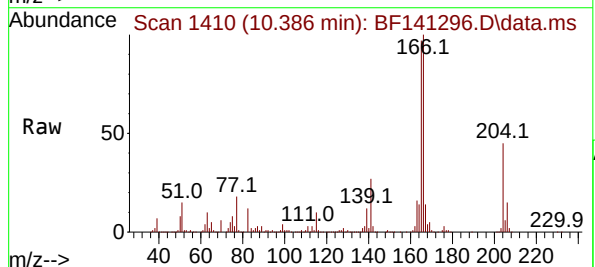
Tgt Ion:165 Resp: 31522
Ion Ratio Lower Upper
165 100
63 51.1 39.2 58.8
89 74.2 56.9 85.3
182 2.8 2.2 3.2

Manual Integrations
APPROVED

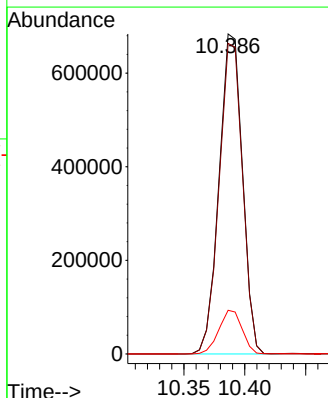
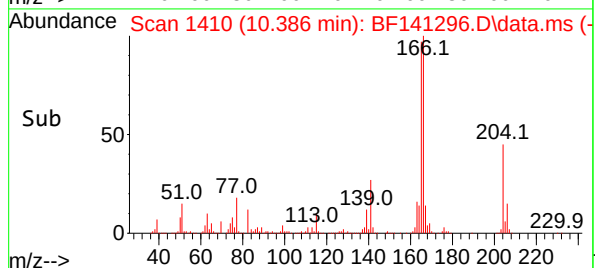
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

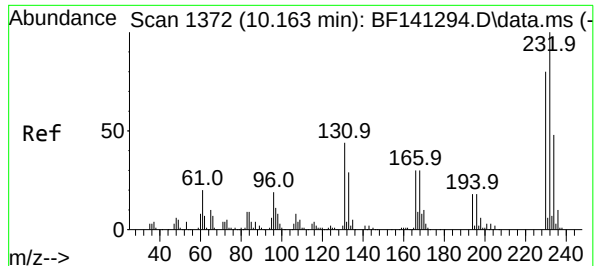


#58
Fluorene
Concen: 53.236 ng
RT: 10.386 min Scan# 1410
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38



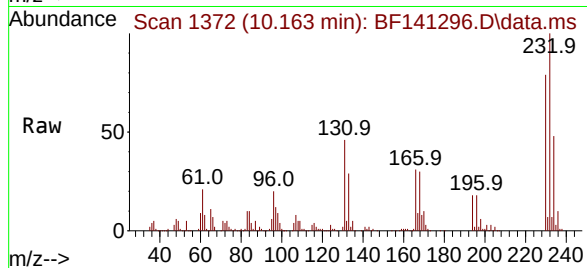
Tgt Ion:166 Resp: 915246
Ion Ratio Lower Upper
166 100
165 97.1 77.5 116.3
167 13.6 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 60.106 ng
RT: 10.163 min Scan# 1372
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

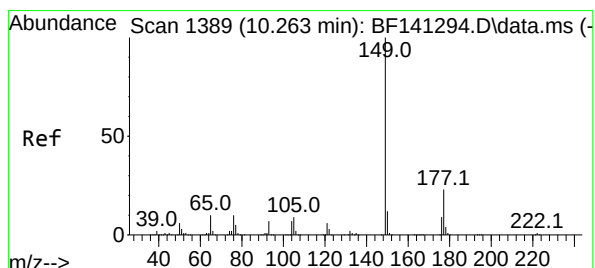
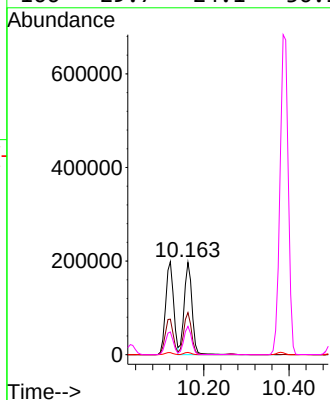
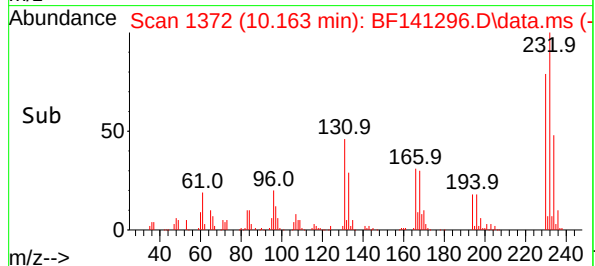
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



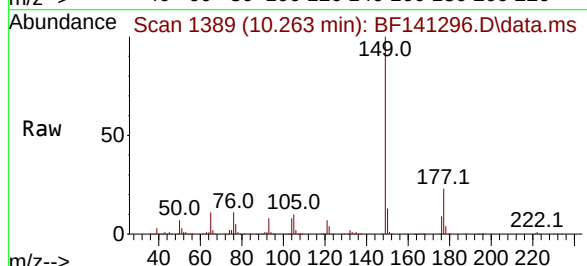
Tgt Ion:232 Resp: 252964
Ion Ratio Lower Upper
232 100
131 45.3 36.4 54.6
130 2.3 1.9 2.9
166 29.7 24.1 36.1

Manual Integrations
APPROVED

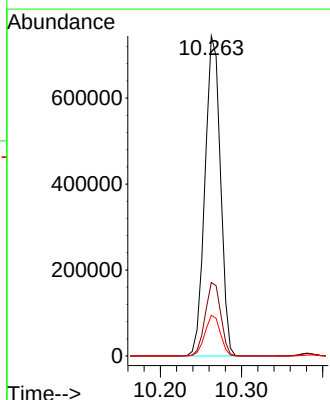
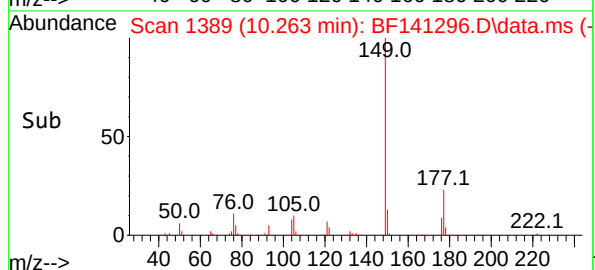
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

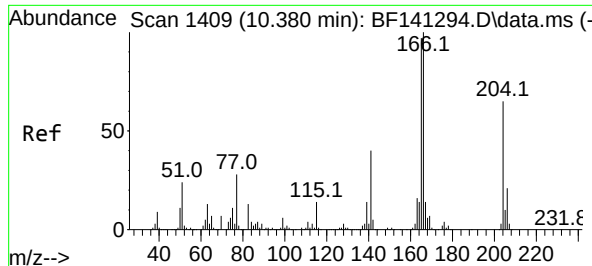


#60
Diethylphthalate
Concen: 55.897 ng
RT: 10.263 min Scan# 1389
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38



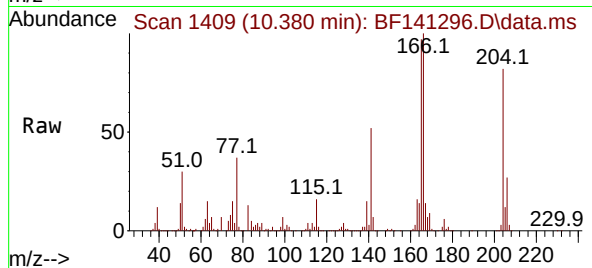
Tgt Ion:149 Resp: 983788
Ion Ratio Lower Upper
149 100
177 22.9 18.5 27.7
150 12.7 10.0 15.0





#61
4-Chlorophenyl-phenylether
Concen: 53.136 ng
RT: 10.380 min Scan# 1409
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

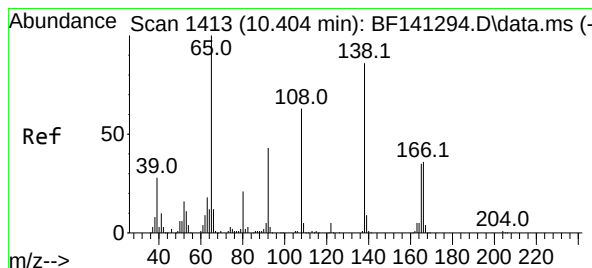
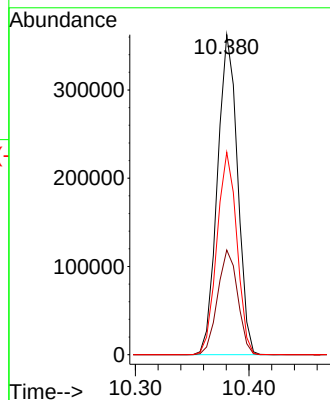
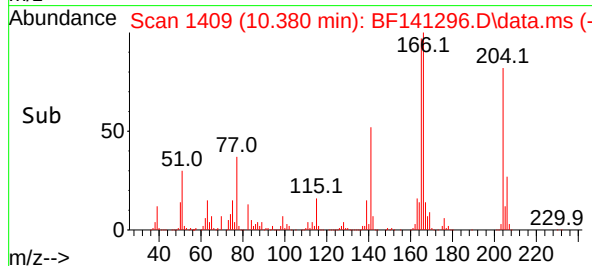
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



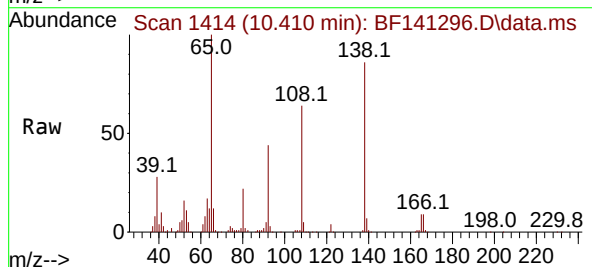
Tgt Ion:204 Resp: 44584
Ion Ratio Lower Upper
204 100
206 32.7 25.9 38.9
141 63.2 49.5 74.3

Manual Integrations
APPROVED

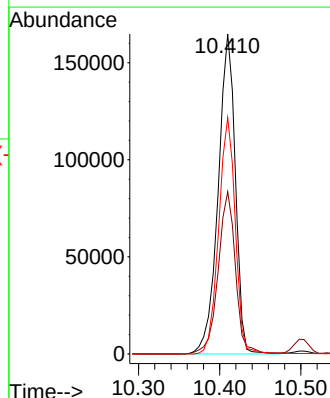
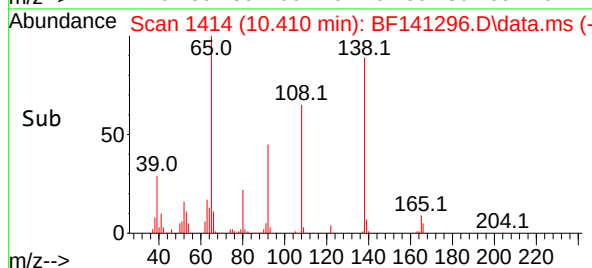
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

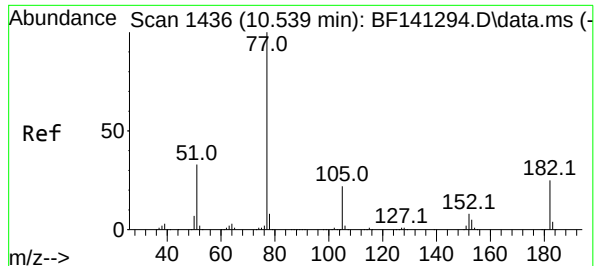


#62
4-Nitroaniline
Concen: 61.216 ng
RT: 10.410 min Scan# 1414
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38



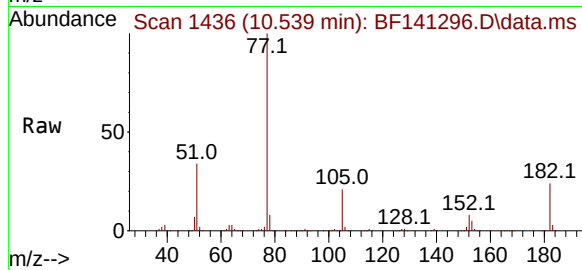
Tgt Ion:138 Resp: 242716
Ion Ratio Lower Upper
138 100
92 50.7 30.1 70.1
108 73.8 53.1 93.1





#63
Azobenzene
Concen: 56.821 ng
RT: 10.539 min Scan# 1436
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

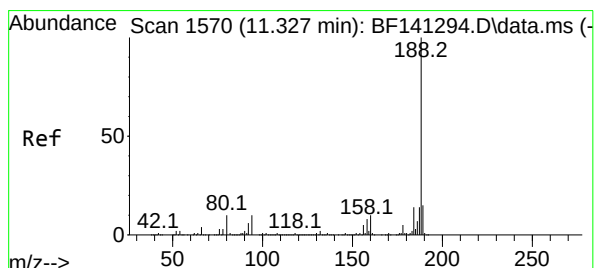
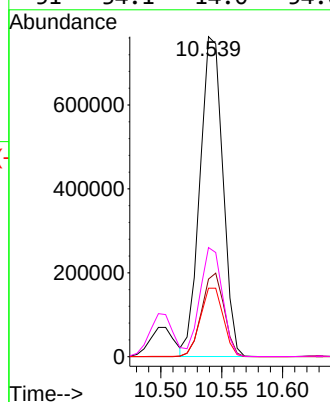
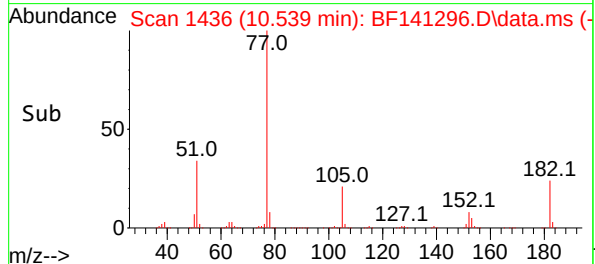
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



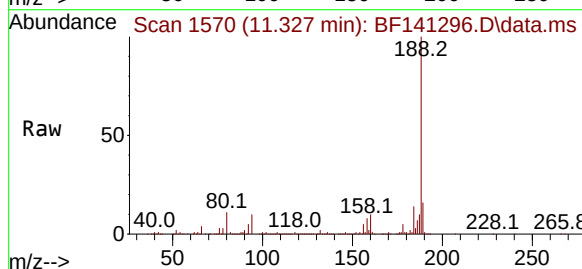
Tgt Ion: 77 Resp: 996600
Ion Ratio Lower Upper
77 100
182 24.3 5.1 45.1
105 21.4 1.8 41.8
51 34.1 14.0 54.0

Manual Integrations
APPROVED

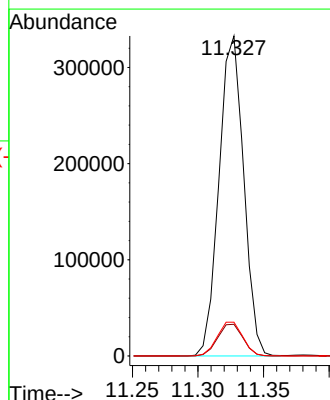
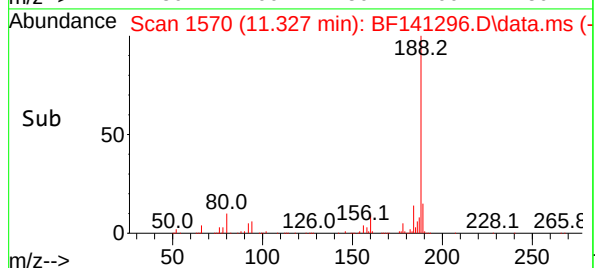
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

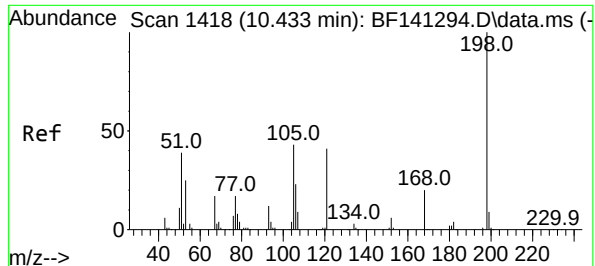


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 1570
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38



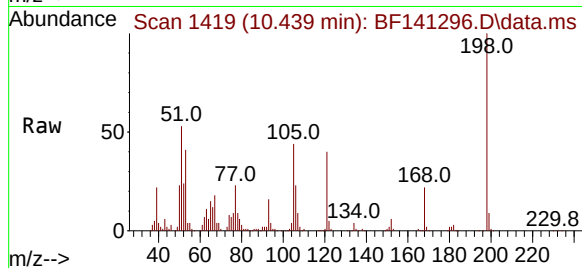
Tgt Ion:188 Resp: 434671
Ion Ratio Lower Upper
188 100
94 9.9 7.8 11.6
80 10.6 8.2 12.4





#65
4,6-Dinitro-2-methylphenol
Concen: 71.103 ng
RT: 10.439 min Scan# 1418
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

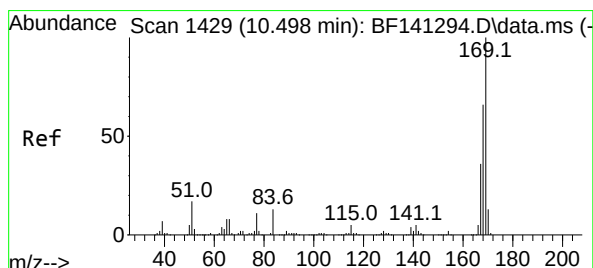
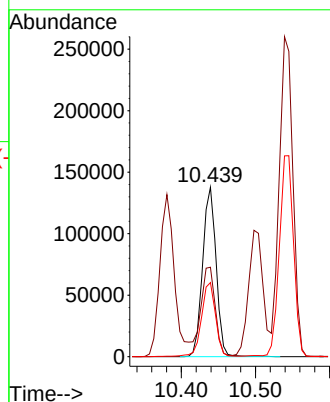
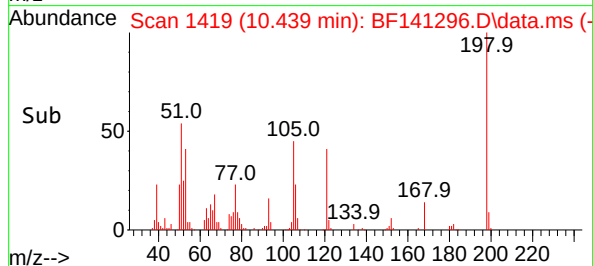
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:198 Resp: 174248
Ion Ratio Lower Upper
198 100
51 52.8 33.4 73.4
105 43.7 24.4 64.4

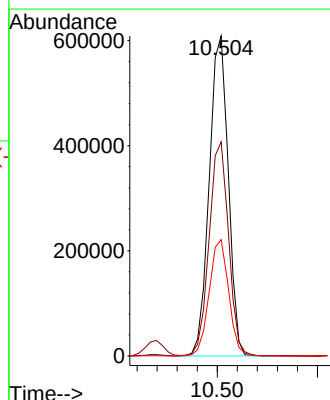
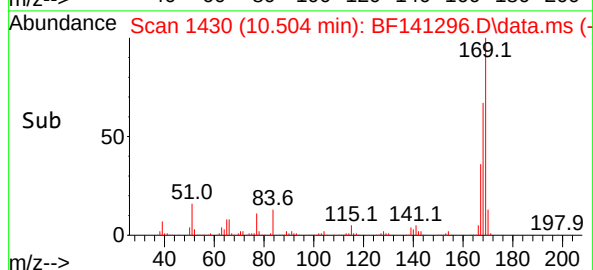
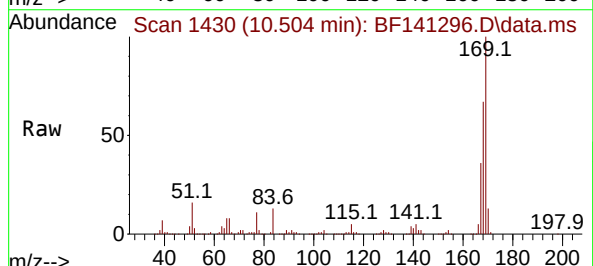
Manual Integrations
APPROVED

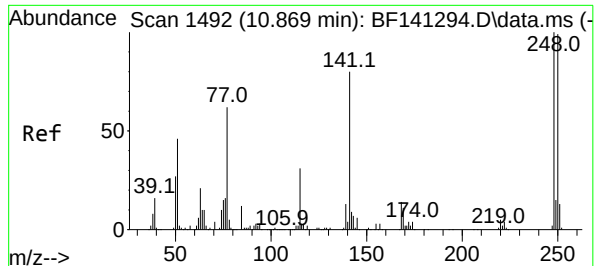
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#66
n-Nitrosodiphenylamine
Concen: 55.423 ng
RT: 10.504 min Scan# 1430
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

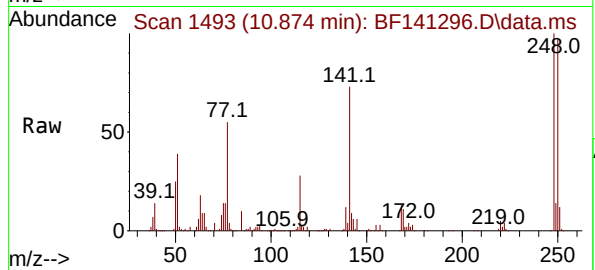
Tgt Ion:169 Resp: 800147
Ion Ratio Lower Upper
169 100
168 66.9 53.0 79.4
167 36.3 28.8 43.2





#67
4-Bromophenyl-phenylether
Concen: 57.957 ng
RT: 10.874 min Scan# 1492
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

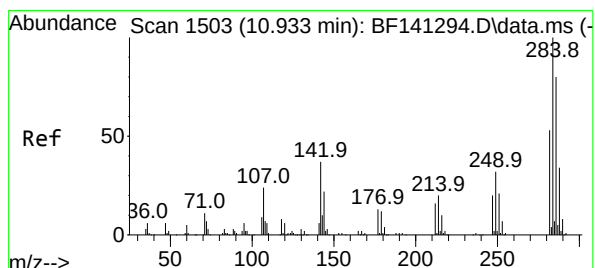
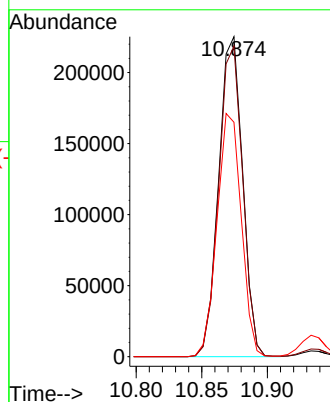
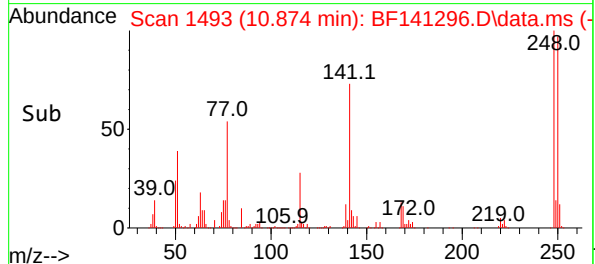
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



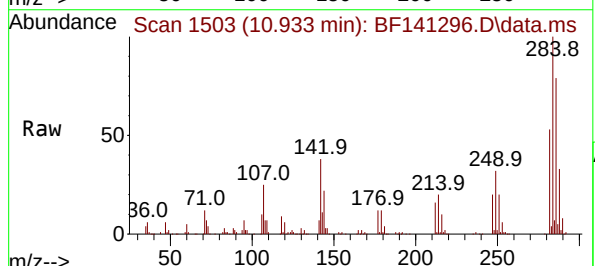
Tgt Ion:248 Resp: 28664
Ion Ratio Lower Upper
248 100
250 97.0 79.0 118.4
141 73.2 63.7 95.5

Manual Integrations
APPROVED

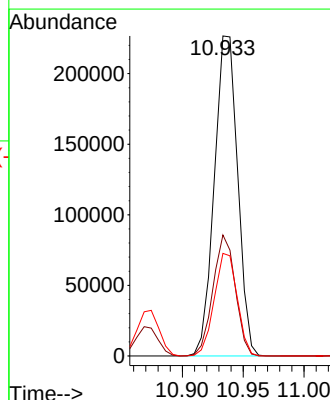
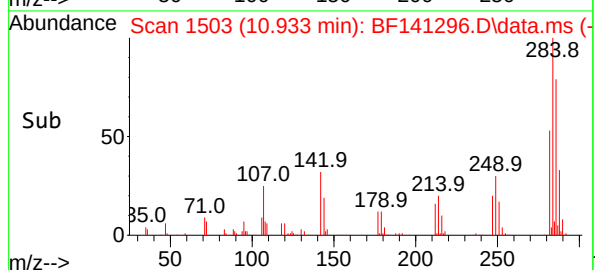
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

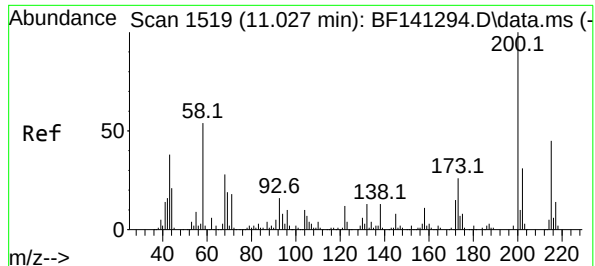


#68
Hexachlorobenzene
Concen: 57.366 ng
RT: 10.933 min Scan# 1503
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38



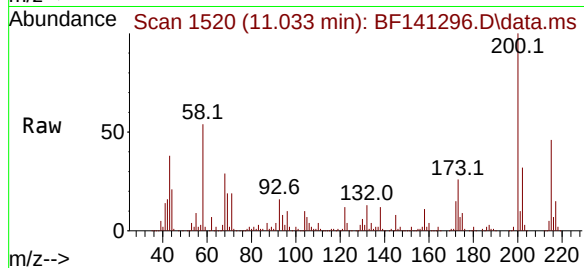
Tgt Ion:284 Resp: 302508
Ion Ratio Lower Upper
284 100
142 37.8 29.5 44.3
249 32.0 25.4 38.2





#69
Atrazine
Concen: 66.863 ng
RT: 11.033 min Scan# 1520
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

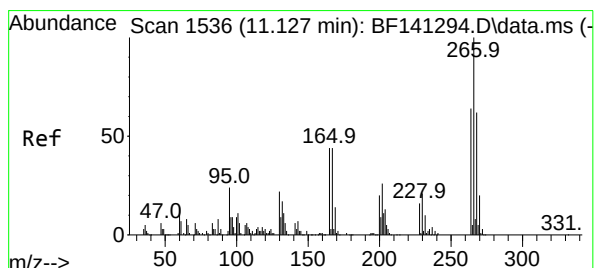
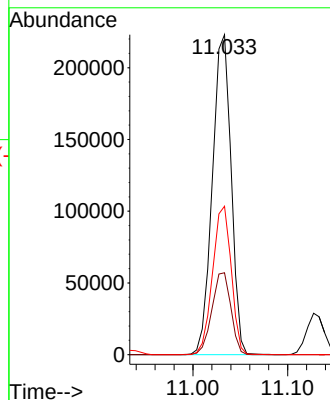
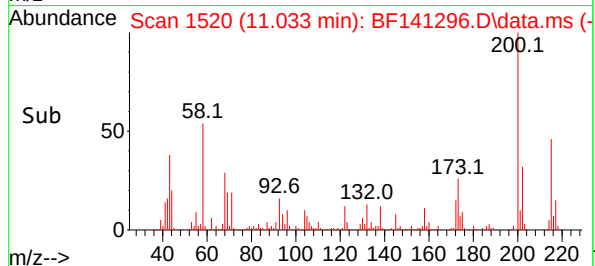
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



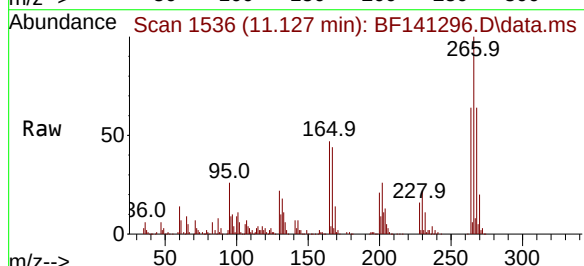
Tgt Ion:200 Resp: 306524
Ion Ratio Lower Upper
200 100
173 25.6 5.9 45.9
215 46.4 25.2 65.2

Manual Integrations
APPROVED

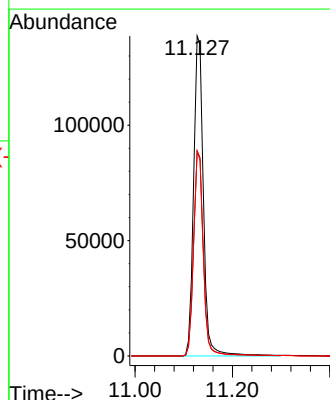
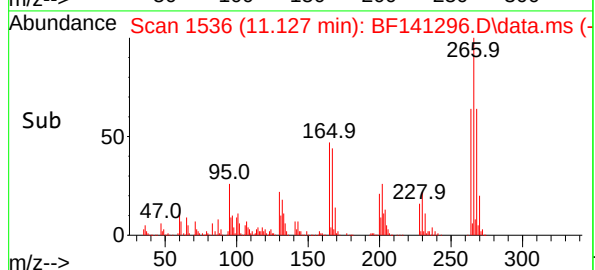
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

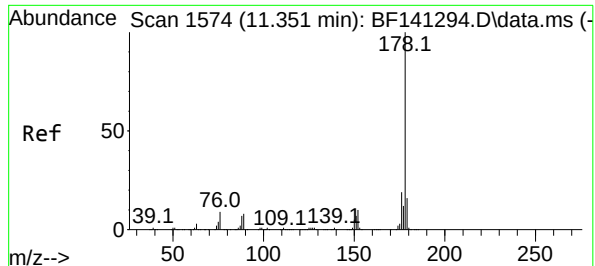


#70
Pentachlorophenol
Concen: 65.443 ng
RT: 11.127 min Scan# 1536
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38



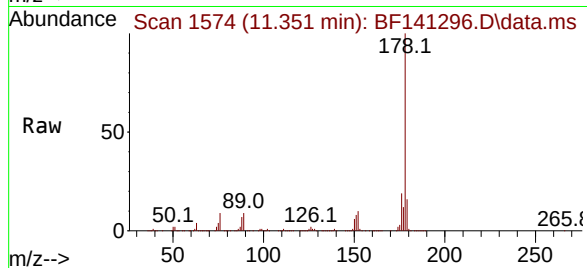
Tgt Ion:266 Resp: 194335
Ion Ratio Lower Upper
266 100
268 64.1 49.9 74.9
264 63.9 51.0 76.4





#71
Phenanthrene
Concen: 54.311 ng
RT: 11.351 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

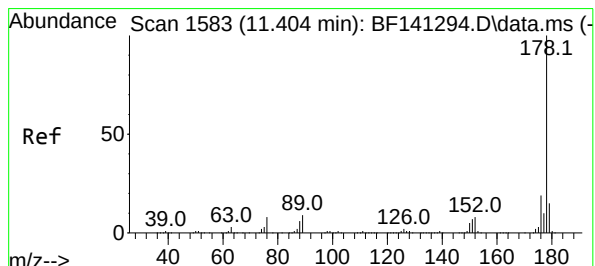
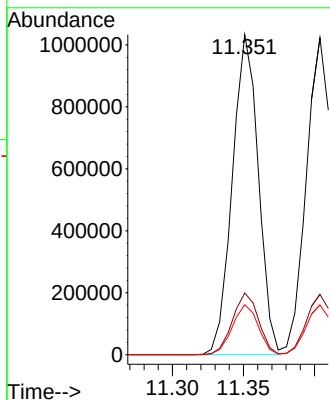
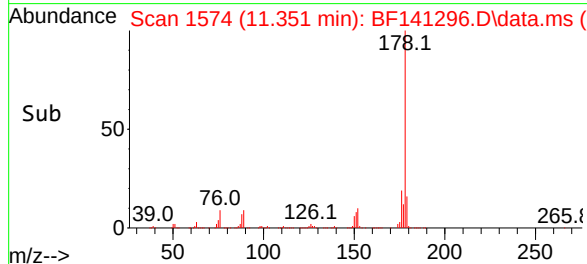
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:178 Resp: 1316980
Ion Ratio Lower Upper
178 100
176 19.2 15.3 22.9
179 15.6 12.5 18.7

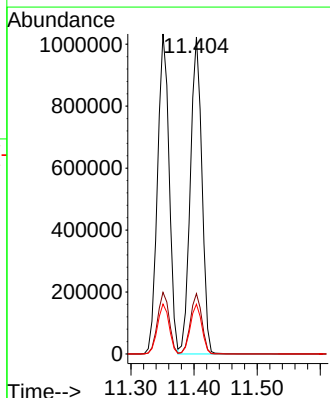
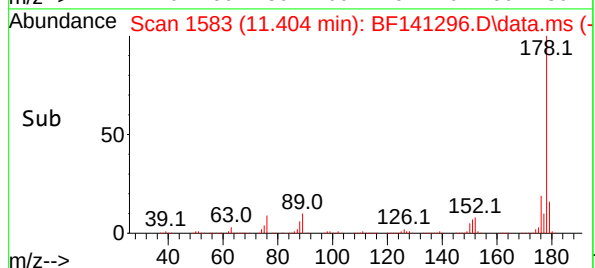
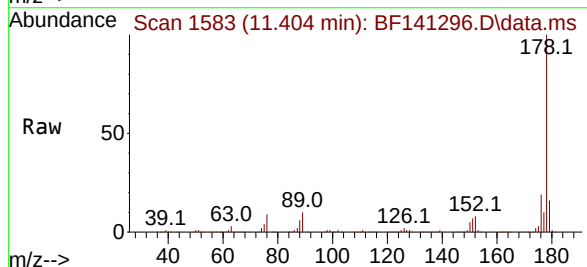
Manual Integrations
APPROVED

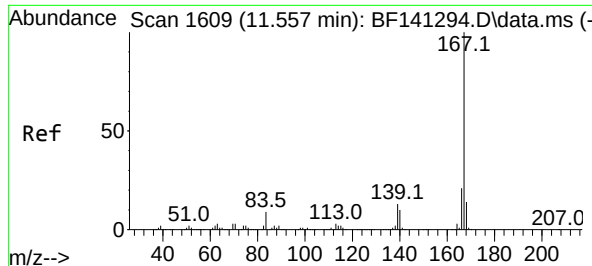
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#72
Anthracene
Concen: 54.763 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

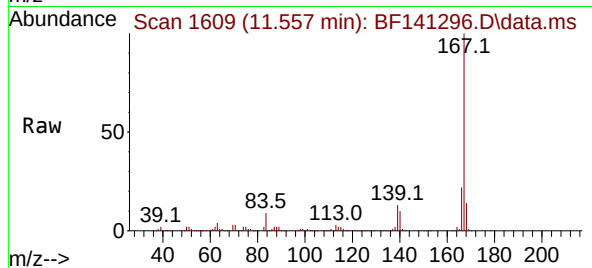
Tgt Ion:178 Resp: 1298334
Ion Ratio Lower Upper
178 100
176 19.0 15.0 22.6
179 15.7 12.3 18.5





#73
Carbazole
Concen: 55.874 ng
RT: 11.557 min Scan# 1609
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

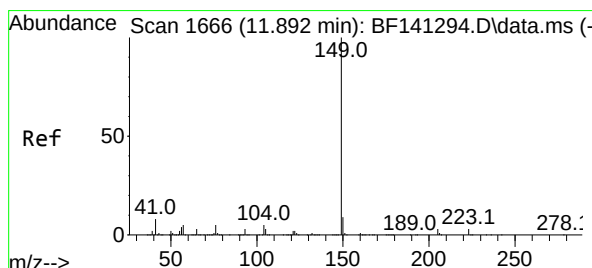
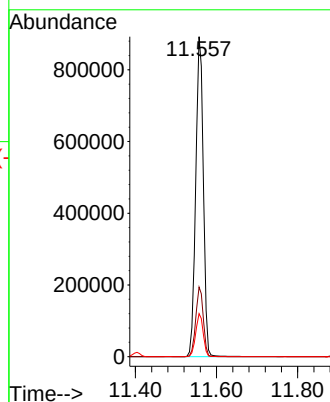
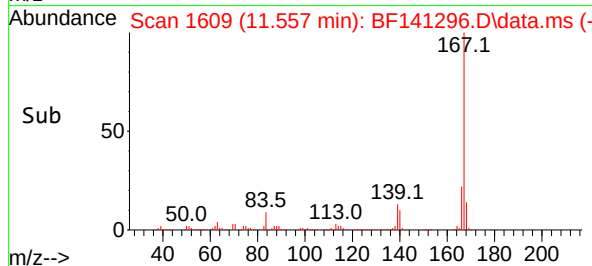
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:167 Resp: 1173330
Ion Ratio Lower Upper
167 100
166 21.7 17.0 25.6
139 13.4 10.6 16.0

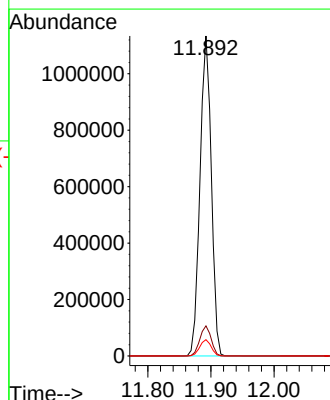
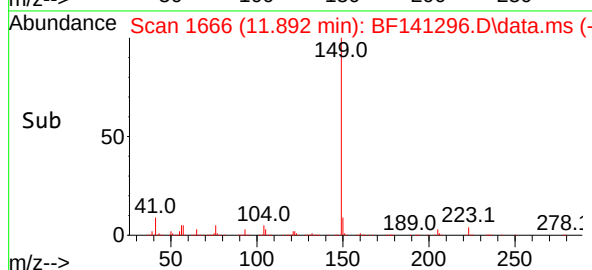
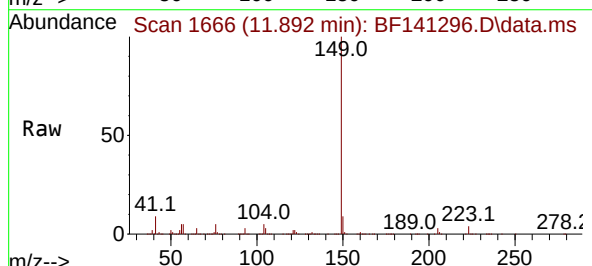
Manual Integrations
APPROVED

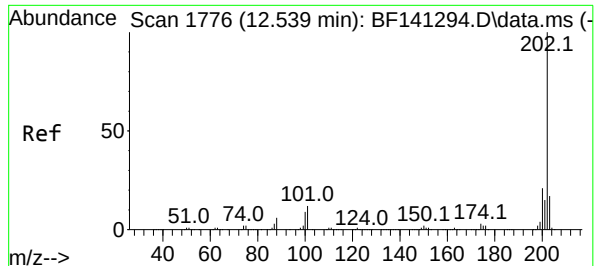
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#74
Di-n-butylphthalate
Concen: 55.325 ng
RT: 11.892 min Scan# 1666
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

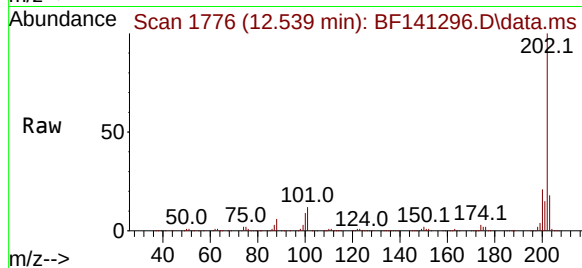
Tgt Ion:149 Resp: 1410222
Ion Ratio Lower Upper
149 100
150 9.4 7.4 11.2
104 5.1 3.9 5.9





#75
Fluoranthene
Concen: 52.878 ng
RT: 12.539 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

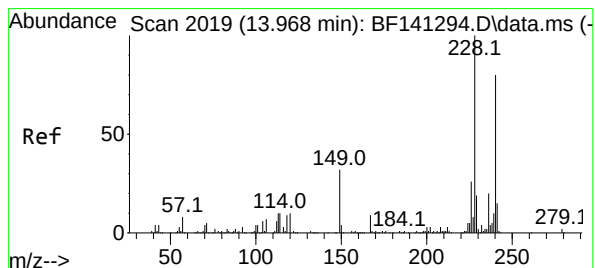
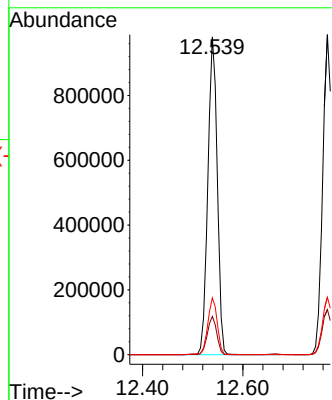
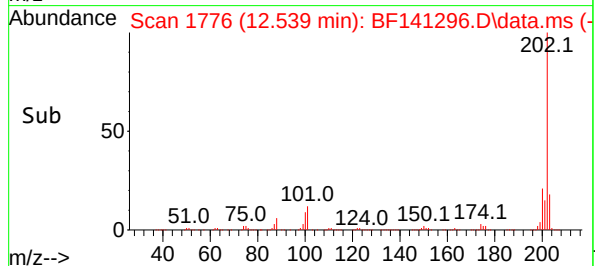
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:202 Resp: 1279999
Ion Ratio Lower Upper
202 100
101 12.0 0.0 31.7
203 17.9 0.0 37.5

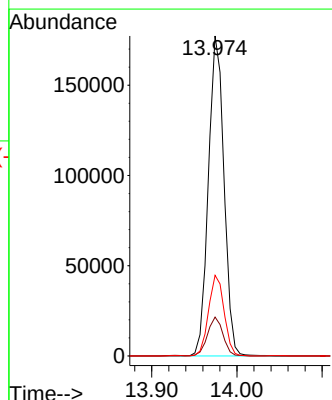
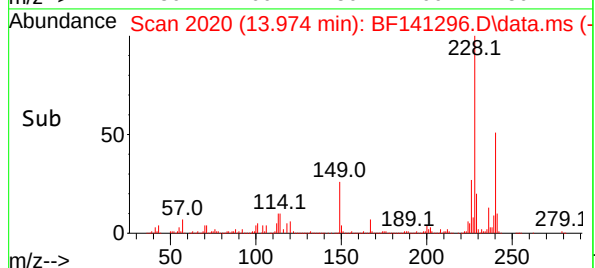
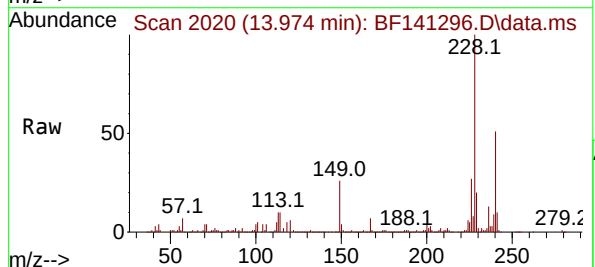
Manual Integrations
APPROVED

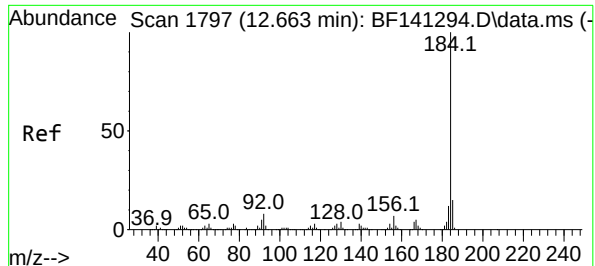
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

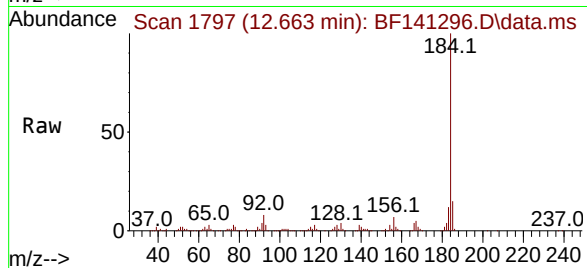
Tgt Ion:240 Resp: 225615
Ion Ratio Lower Upper
240 100
120 12.1 10.0 15.0
236 25.2 19.7 29.5





#77
Benzidine
Concen: 67.692 ng
RT: 12.663 min Scan# 1797
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

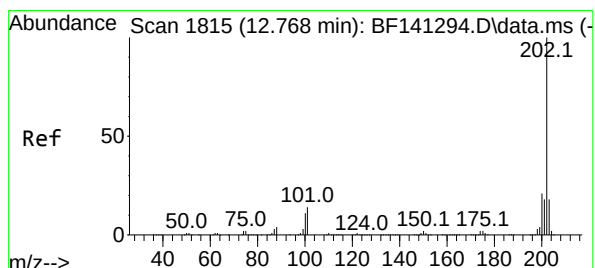
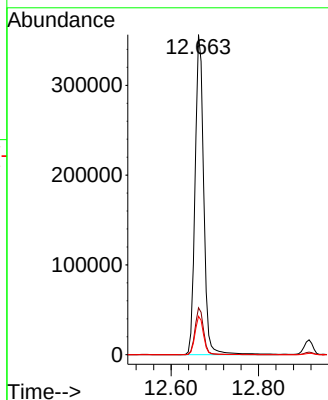
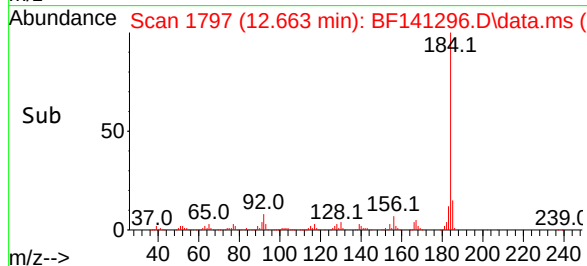
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:184 Resp: 490009
Ion Ratio Lower Upper
184 100
185 14.7 11.9 17.9
183 12.0 9.5 14.3

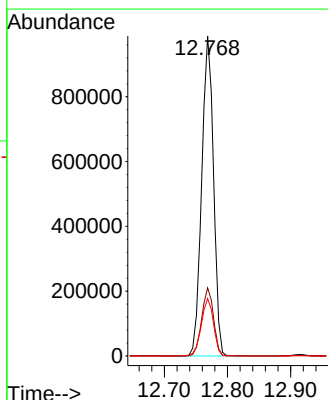
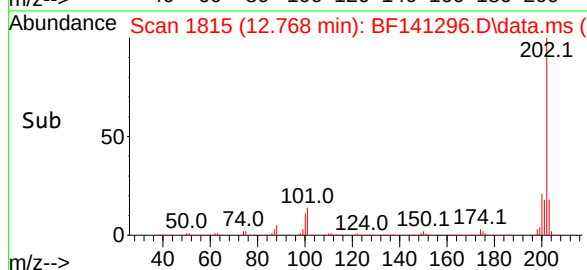
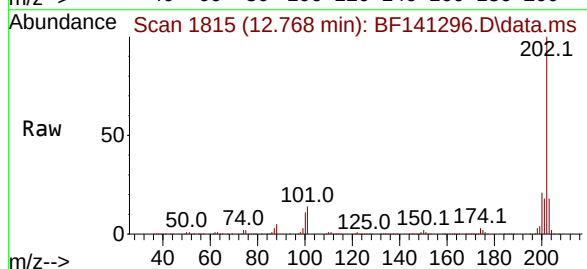
Manual Integrations
APPROVED

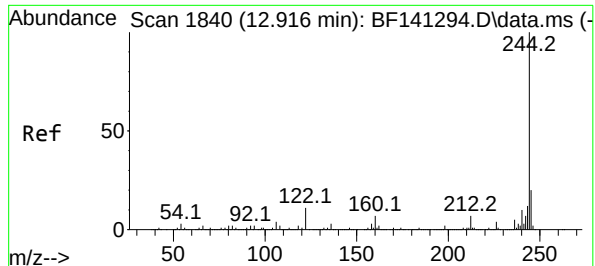
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#78
Pyrene
Concen: 57.717 ng
RT: 12.768 min Scan# 1815
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

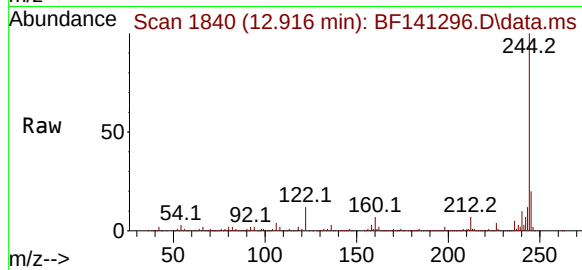
Tgt Ion:202 Resp: 1284820
Ion Ratio Lower Upper
202 100
200 21.3 17.0 25.4
203 18.0 14.3 21.5





#79
Terphenyl-d14
Concen: 109.453 ng
RT: 12.916 min Scan# 1840
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

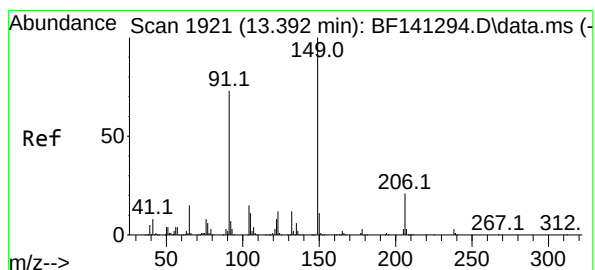
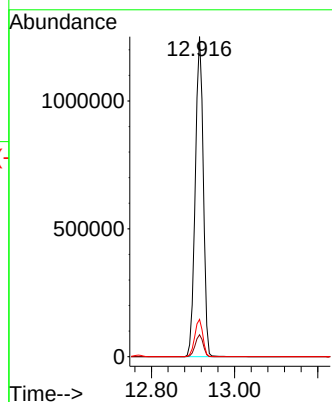
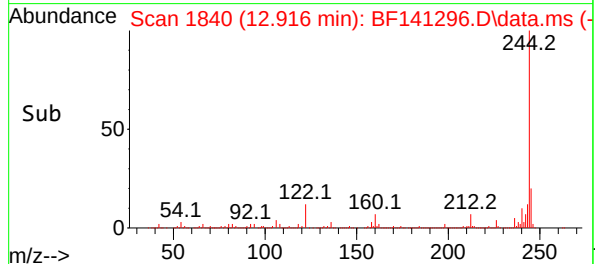
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:244 Resp: 166559
Ion Ratio Lower Upper
244 100
212 6.9 5.4 8.0
122 11.6 8.8 13.2

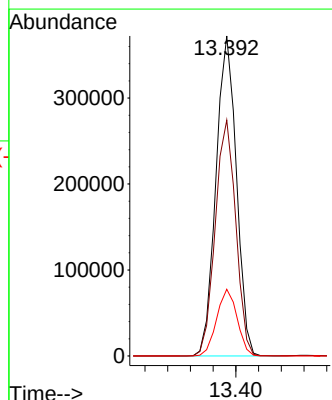
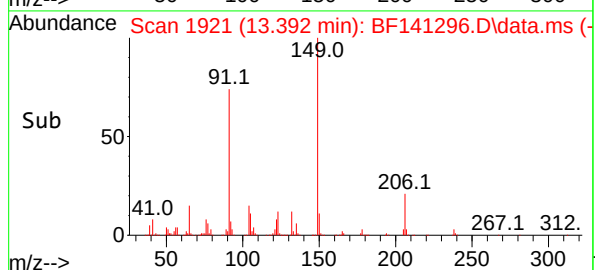
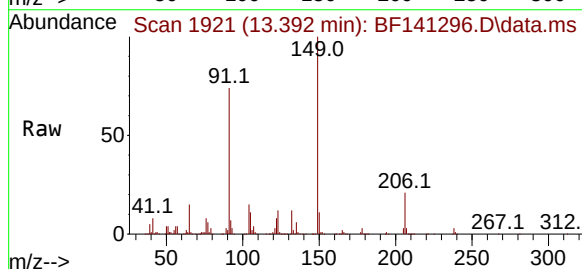
Manual Integrations
APPROVED

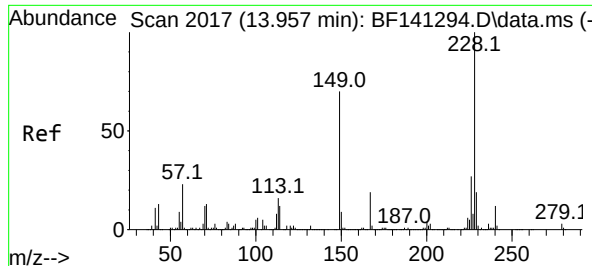
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#80
Butylbenzylphthalate
Concen: 60.745 ng
RT: 13.392 min Scan# 1921
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

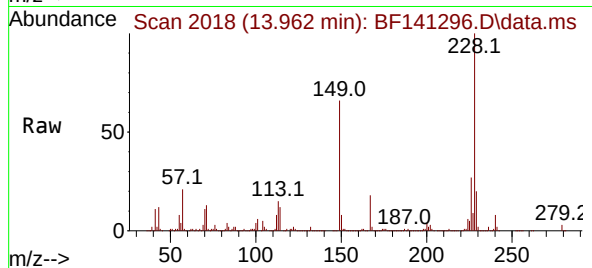
Tgt Ion:149 Resp: 465533
Ion Ratio Lower Upper
149 100
91 73.7 58.6 87.8
206 20.8 16.7 25.1





#81
Benzo(a)anthracene
Concen: 57.742 ng
RT: 13.962 min Scan# 2018
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

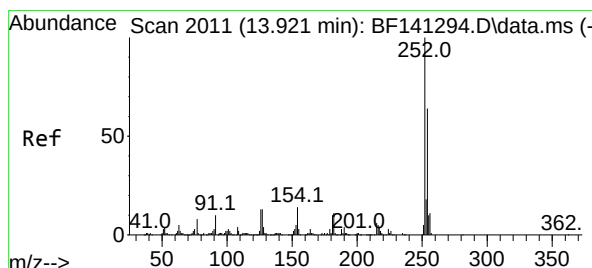
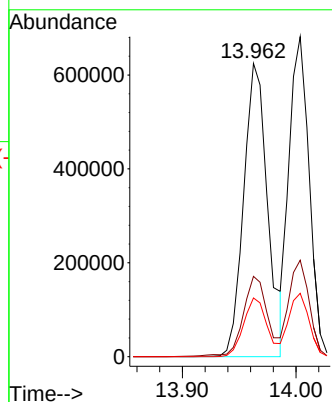
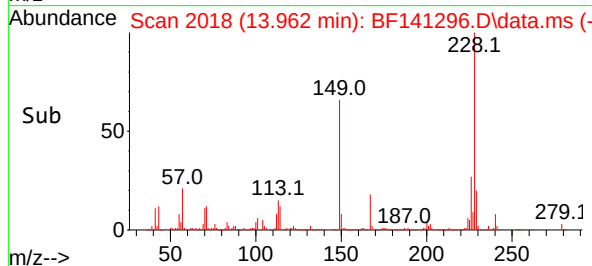
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:228 Resp: 917219
Ion Ratio Lower Upper
228 100
226 27.4 21.4 32.2
229 20.0 15.5 23.3

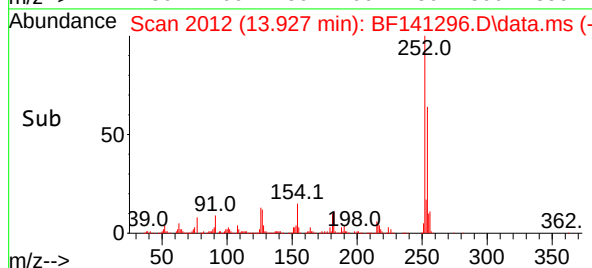
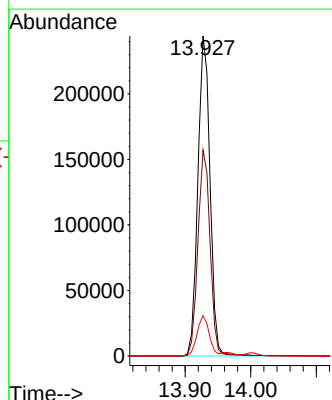
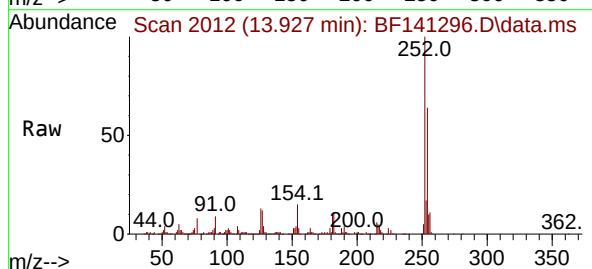
Manual Integrations
APPROVED

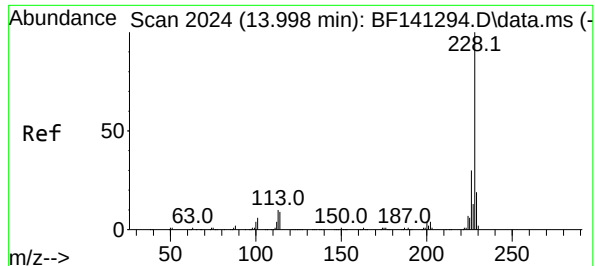
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#82
3,3'-Dichlorobenzidine
Concen: 64.819 ng
RT: 13.927 min Scan# 2012
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

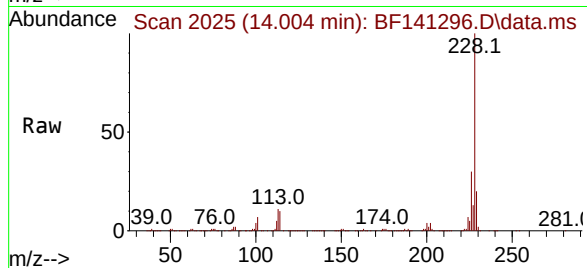
Tgt Ion:252 Resp: 315503
Ion Ratio Lower Upper
252 100
254 64.4 51.3 76.9
126 12.6 10.0 15.0





#83
Chrysene
Concen: 58.239 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

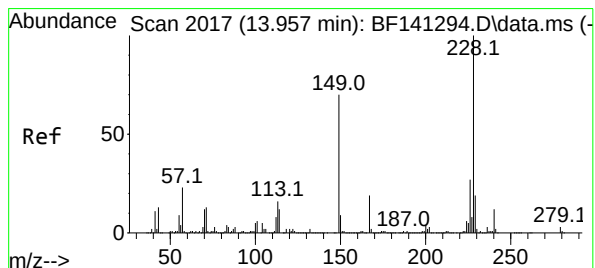
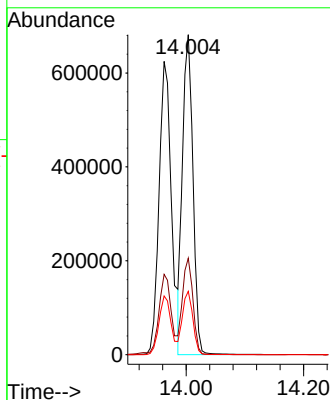
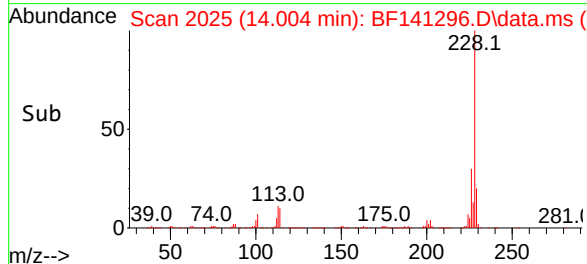
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:228 Resp: 841120
Ion Ratio Lower Upper
228 100
226 30.1 24.1 36.1
229 19.8 15.6 23.4

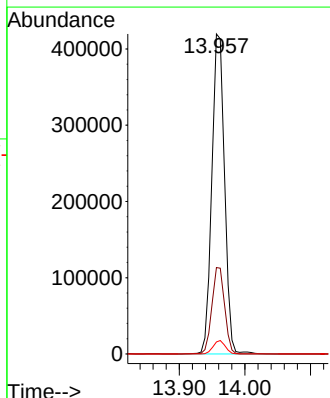
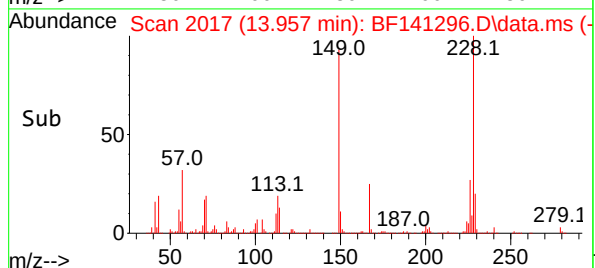
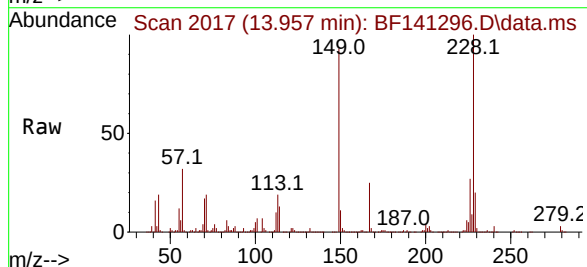
Manual Integrations
APPROVED

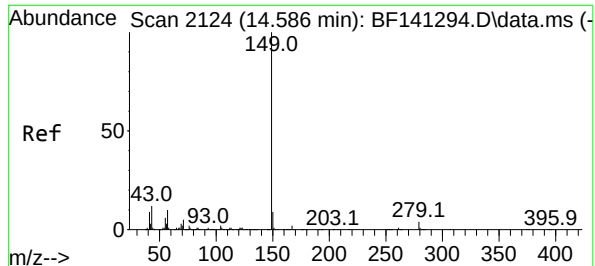
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#84
Bis(2-ethylhexyl)phthalate
Concen: 57.438 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

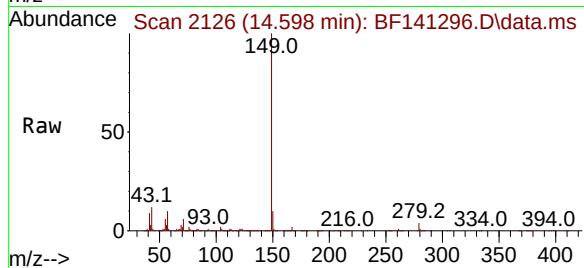
Tgt Ion:149 Resp: 564642
Ion Ratio Lower Upper
149 100
167 27.0 21.8 32.8
279 3.8 3.3 4.9





#85
Di-n-octyl phthalate
Concen: 64.953 ng
RT: 14.598 min Scan# 2124
Delta R.T. 0.012 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

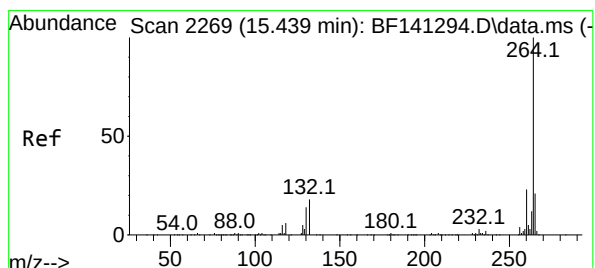
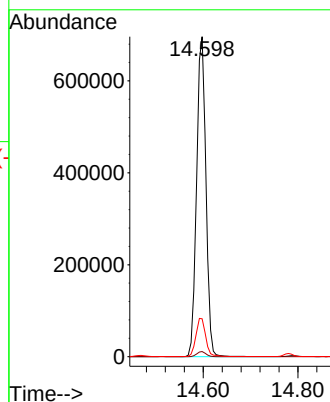
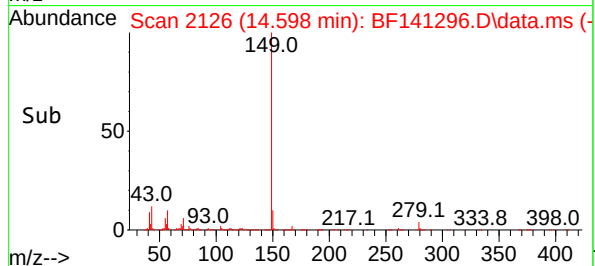
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



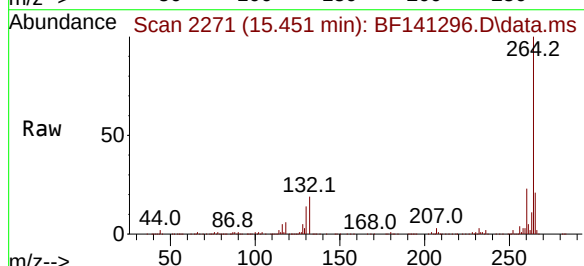
Tgt Ion:149 Resp: 95147
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 12.6 9.8 14.8

Manual Integrations
APPROVED

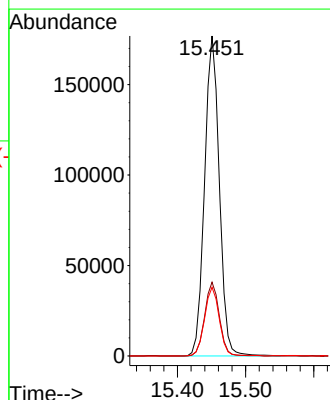
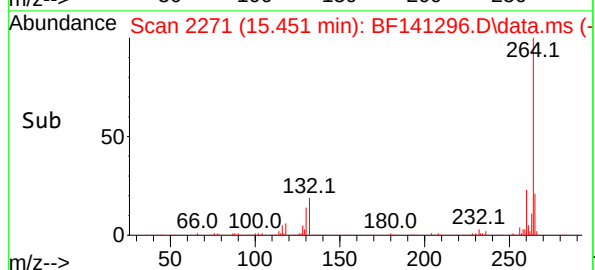
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

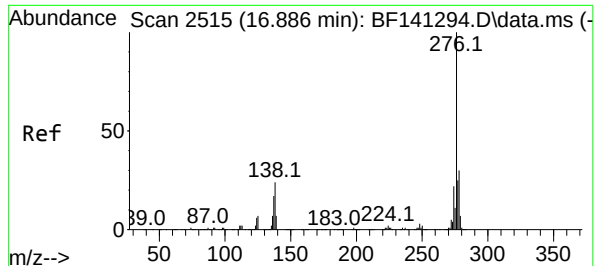


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 2271
Delta R.T. 0.012 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38



Tgt Ion:264 Resp: 265921
Ion Ratio Lower Upper
264 100
260 23.0 18.6 27.8
265 21.5 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 61.732 ng

RT: 16.909 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:276 Resp: 105498

Ion Ratio Lower Upper

276 100

138 27.6 21.7 32.5

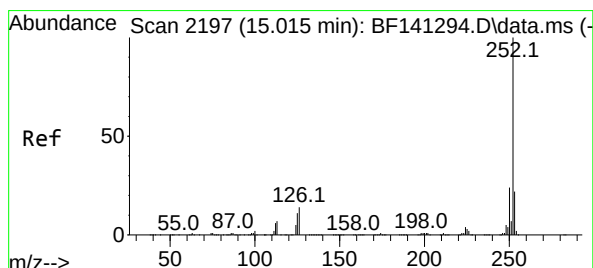
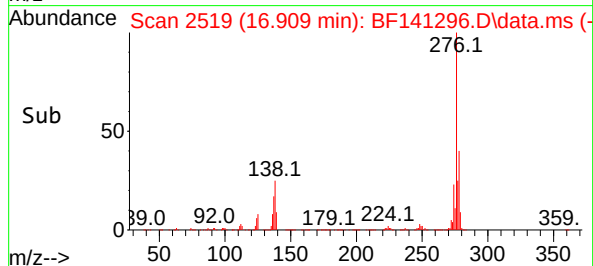
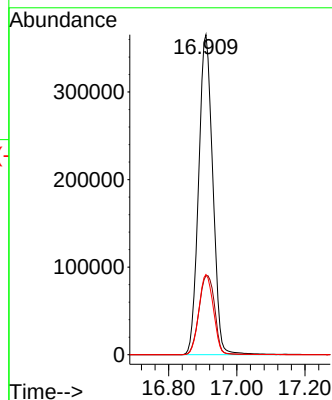
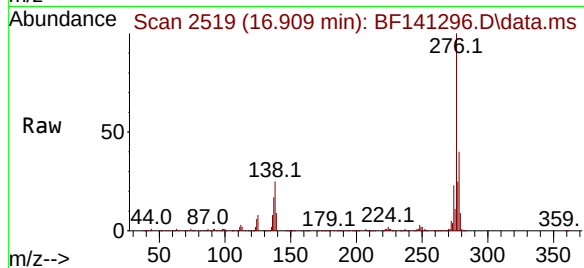
277 25.8 20.3 30.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#88

Benzo(b)fluoranthene

Concen: 56.615 ng

RT: 15.033 min Scan# 2200

Delta R.T. 0.018 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

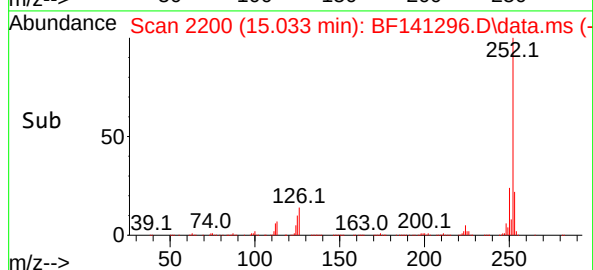
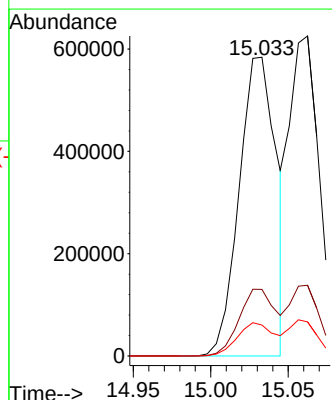
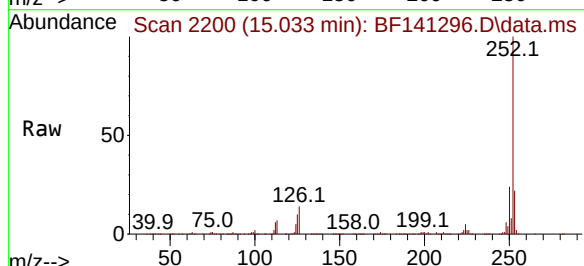
Tgt Ion:252 Resp: 971433

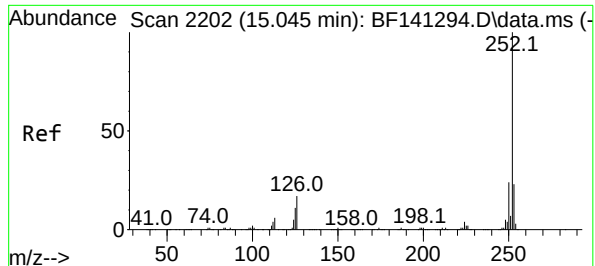
Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.2

125 10.3 8.6 12.8





#89

Benzo(k)fluoranthene

Concen: 55.934 ng

RT: 15.062 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:252 Resp: 84584

Ion Ratio Lower Upper

252 100

253 22.1 17.6 26.4

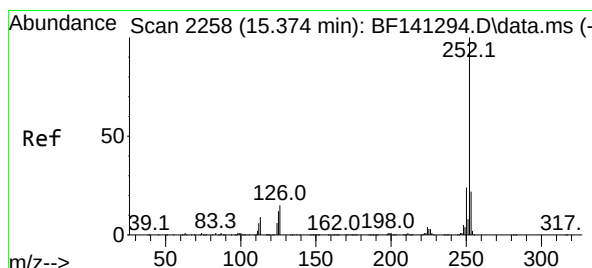
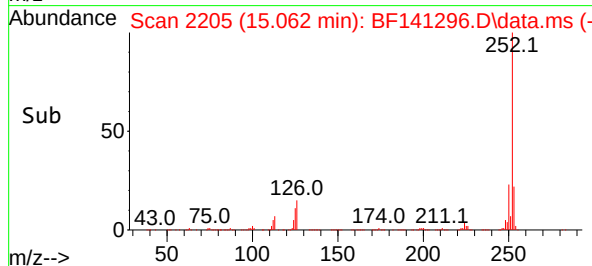
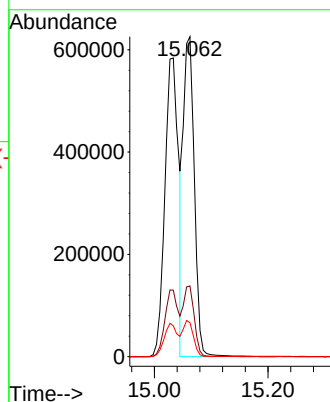
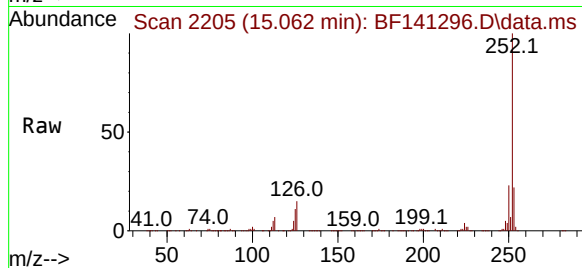
125 10.6 8.4 12.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#90

Benzo(a)pyrene

Concen: 58.588 ng

RT: 15.392 min Scan# 2261

Delta R.T. 0.012 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

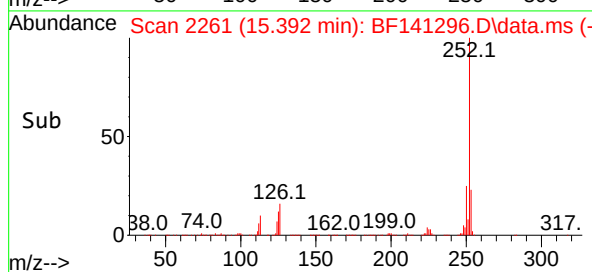
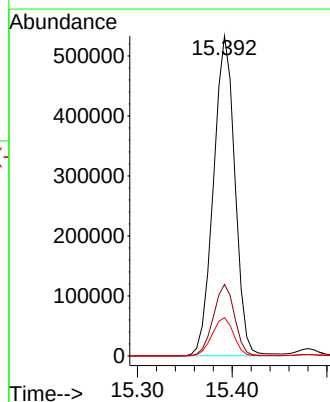
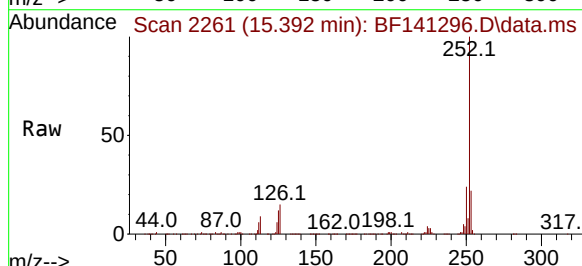
Tgt Ion:252 Resp: 838283

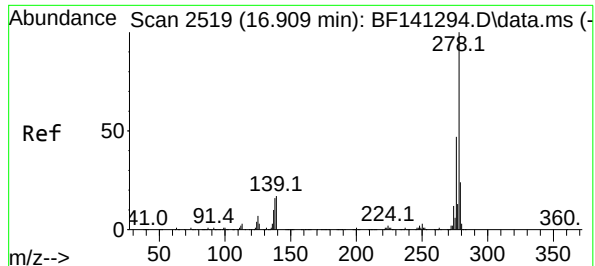
Ion Ratio Lower Upper

252 100

253 22.4 17.2 25.8

125 12.0 9.4 14.2





#91

Dibenzo(a,h)anthracene

Concen: 62.119 ng

RT: 16.927 min Scan# 2519

Delta R.T. 0.012 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:278 Resp: 854214

Ion Ratio Lower Upper

278 100

139 18.7 13.9 20.9

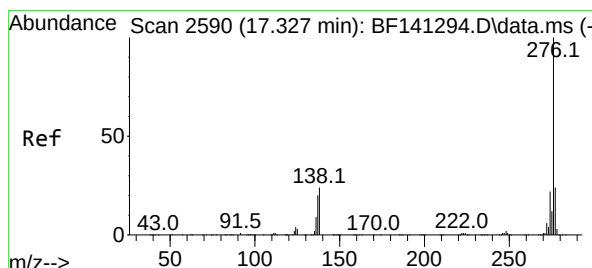
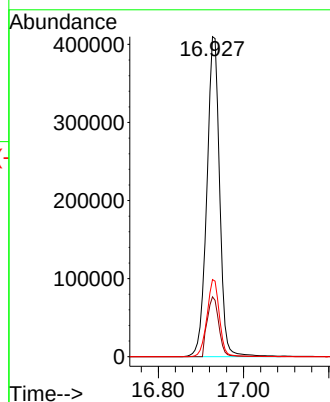
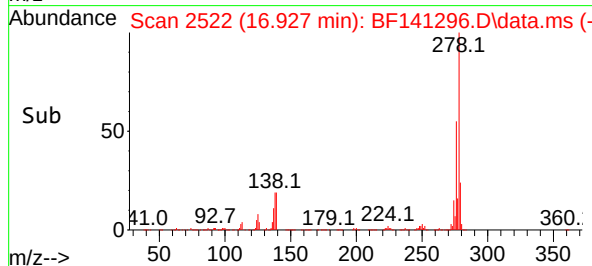
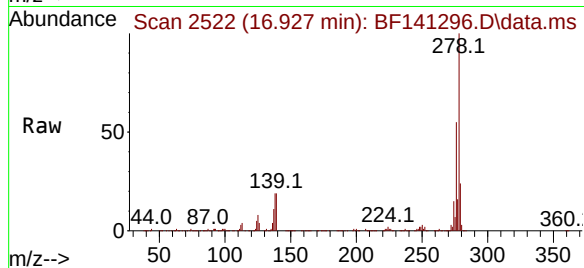
279 24.1 18.8 28.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#92

Benzo(g,h,i)perylene

Concen: 61.510 ng

RT: 17.351 min Scan# 2594

Delta R.T. 0.018 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

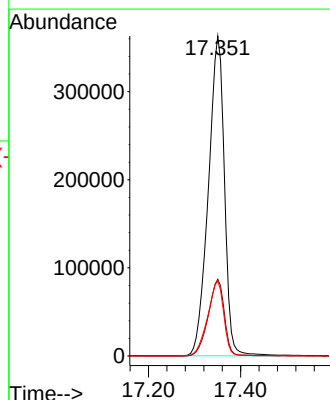
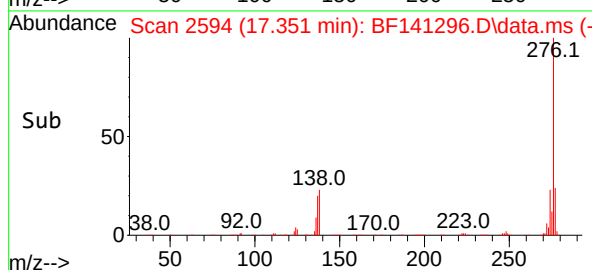
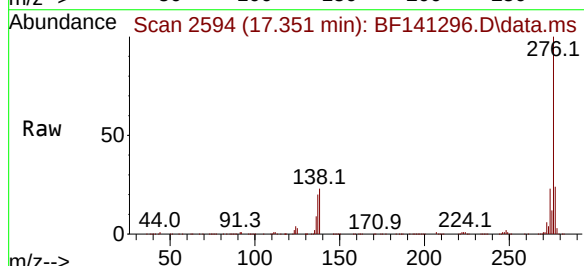
Tgt Ion:276 Resp: 881804

Ion Ratio Lower Upper

276 100

277 24.0 19.2 28.8

138 23.4 19.0 28.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
 Data File : BF141297.D
 Acq On : 29 Jan 2025 17:05
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC080

Quant Time: Jan 29 17:32:13 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:26:12 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	129386	20.000	ng	0.00
21) Naphthalene-d8	8.087	136	500219	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	259556	20.000	ng	0.00
64) Phenanthrene-d10	11.328	188	415634	20.000	ng	0.00
76) Chrysene-d12	13.974	240	216592	20.000	ng	0.00
86) Perylene-d12	15.439	264	271797	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	1203835	140.330	ng	0.00
7) Phenol-d6	6.440	99	1526343	139.796	ng	0.00
23) Nitrobenzene-d5	7.369	82	1396346	145.214	ng	0.00
42) 2,4,6-Tribromophenol	10.634	330	337670	139.281	ng	0.00
45) 2-Fluorobiphenyl	9.163	172	2248567	129.739	ng	0.00
79) Terphenyl-d14	12.916	244	1910783	132.741	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.493	88	274366	73.111	ng	100
3) Pyridine	3.228	79	684346	76.095	ng	99
4) n-Nitrosodimethylamine	3.199	42	399245	77.974	ng	99
6) Aniline	6.469	93	607667	65.185	ng	# 86
8) 2-Chlorophenol	6.593	128	639957	69.519	ng	97
9) Benzaldehyde	6.351	77	376227	58.226	ng	100
10) Phenol	6.451	94	804078	69.411	ng	90
11) bis(2-Chloroethyl)ether	6.546	93	648287	73.535	ng	98
12) 1,3-Dichlorobenzene	6.746	146	704973	69.446	ng	99
13) 1,4-Dichlorobenzene	6.822	146	706528	69.256	ng	99
14) 1,2-Dichlorobenzene	6.975	146	641551	66.867	ng	99
15) Benzyl Alcohol	6.946	79	532270	71.549	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.081	45	1092827	70.953	ng	98
17) 2-Methylphenol	7.057	107	545097	73.368	ng	97
18) Hexachloroethane	7.316	117	265593	70.765	ng	97
19) n-Nitroso-di-n-propyla...	7.228	70	452303	69.874	ng	97
20) 3+4-Methylphenols	7.216	107	613997	66.467	ng	96
22) Acetophenone	7.216	105	824220	67.811	ng	# 96
24) Nitrobenzene	7.393	77	716200	71.762	ng	99
25) Isophorone	7.628	82	1229697	74.193	ng	99
26) 2-Nitrophenol	7.704	139	358664	76.912	ng	98
27) 2,4-Dimethylphenol	7.740	122	445560	74.779	ng	99
28) bis(2-Chloroethoxy)met...	7.840	93	767960	72.405	ng	99
29) 2,4-Dichlorophenol	7.945	162	525117	71.573	ng	100
30) 1,2,4-Trichlorobenzene	8.028	180	584061	69.437	ng	100
31) Naphthalene	8.110	128	1838789	68.107	ng	99
32) Benzoic acid	7.881	122	484583	91.066	ng	99
33) 4-Chloroaniline	8.157	127	636568	69.737	ng	99
34) Hexachlorobutadiene	8.222	225	348822	70.904	ng	99
35) Caprolactam	8.545	113	177093	74.270	ng	99
36) 4-Chloro-3-methylphenol	8.640	107	566827	72.094	ng	98
37) 2-Methylnaphthalene	8.798	142	1165995	67.926	ng	98
38) 1-Methylnaphthalene	8.898	142	1146275	67.988	ng	100
40) 1,2,4,5-Tetrachloroben...	8.963	216	531237	70.756	ng	100
41) Hexachlorocyclopentadiene	8.951	237	180658	83.336	ng	99
43) 2,4,6-Trichlorophenol	9.075	196	360370	73.727	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
 Data File : BF141297.D
 Acq On : 29 Jan 2025 17:05
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC080

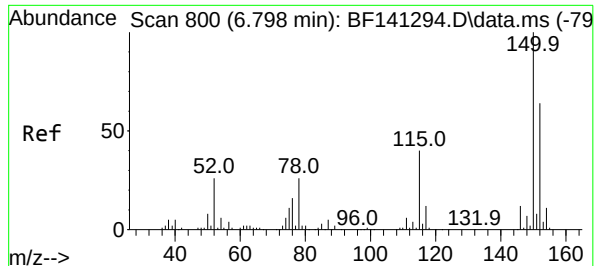
Quant Time: Jan 29 17:32:13 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:26:12 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.116	196	397887	74.958	ng	99
46) 1,1'-Biphenyl	9.263	154	1412015	68.298	ng	99
47) 2-Chloronaphthalene	9.287	162	1118593	69.578	ng	99
48) 2-Nitroaniline	9.381	65	378379	75.652	ng	97
49) Acenaphthylene	9.704	152	1552508	68.901	ng	99
50) Dimethylphthalate	9.569	163	1269770	71.308	ng	100
51) 2,6-Dinitrotoluene	9.628	165	300867	72.992	ng	99
52) Acenaphthene	9.875	154	1120345	69.700	ng	99
53) 3-Nitroaniline	9.798	138	274410	67.215	ng	99
54) 2,4-Dinitrophenol	9.904	184	169946	101.582	ng	99
55) Dibenzofuran	10.045	168	1451668	67.158	ng	98
56) 4-Nitrophenol	9.957	139	230369	78.788	ng	100
57) 2,4-Dinitrotoluene	10.034	165	375659	70.012	ng	93
58) Fluorene	10.392	166	1099129	65.335	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.163	232	302300	72.005	ng	98
60) Diethylphthalate	10.269	149	1189833	68.571	ng	99
61) 4-Chlorophenyl-phenyle...	10.381	204	541468	65.968	ng	99
62) 4-Nitroaniline	10.416	138	292019	73.604	ng	99
63) Azobenzene	10.545	77	1206328	69.582	ng	99
65) 4,6-Dinitro-2-methylph...	10.439	198	217265	89.943	ng	96
66) n-Nitrosodiphenylamine	10.504	169	986121	72.353	ng	100
67) 4-Bromophenyl-phenylether	10.875	248	348615	74.136	ng	97
68) Hexachlorobenzene	10.939	284	361469	72.215	ng	97
69) Atrazine	11.033	200	372792	83.452	ng	99
70) Pentachlorophenol	11.133	266	235030	81.539	ng	99
71) Phenanthrene	11.351	178	1557660	68.257	ng	99
72) Anthracene	11.404	178	1535860	68.749	ng	99
73) Carbazole	11.557	167	1342447	67.630	ng	99
74) Di-n-butylphthalate	11.892	149	1626342	67.604	ng	99
75) Fluoranthene	12.539	202	1463196	64.490	ng	99
77) Benzidine	12.663	184	481470	67.834	ng	99
78) Pyrene	12.769	202	1450076	68.287	ng	100
80) Butylbenzylphthalate	13.392	149	528754	71.721	ng	99
81) Benzo(a)anthracene	13.963	228	1095972	72.323	ng	99
82) 3,3'-Dichlorobenzidine	13.927	252	389044	82.157	ng	99
83) Chrysene	13.998	228	1048083	75.964	ng	100
84) Bis(2-ethylhexyl)phtha...	13.957	149	662151	70.666	ng	99
85) Di-n-octyl phthalate	14.586	149	1171131	82.148	ng	99
87) Indeno(1,2,3-cd)pyrene	16.898	276	1399119	79.715	ng	100
88) Benzo(b)fluoranthene	15.021	252	1235245	71.102	ng	100
89) Benzo(k)fluoranthene	15.051	252	1146296	75.010	ng	100
90) Benzo(a)pyrene	15.380	252	1098491	75.410	ng	99
91) Dibenzo(a,h)anthracene	16.921	278	1117397	79.035	ng	99
92) Benzo(g,h,i)perylene	17.345	276	1155250	78.512	ng	100

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

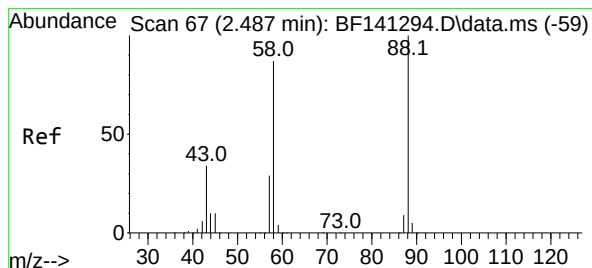
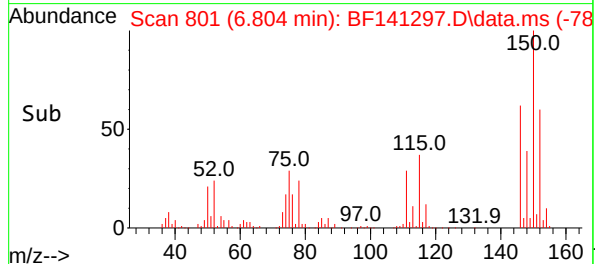
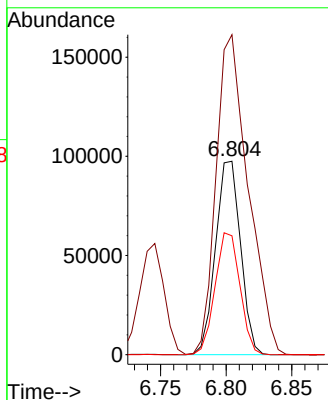
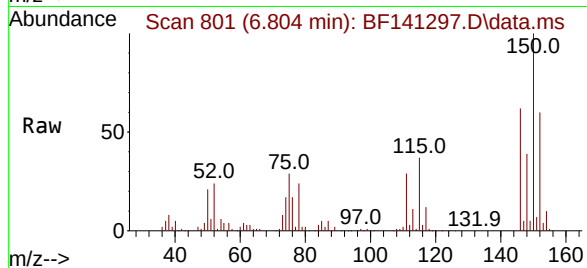
[illegible]



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 80
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

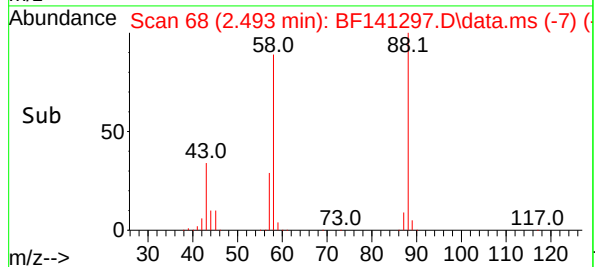
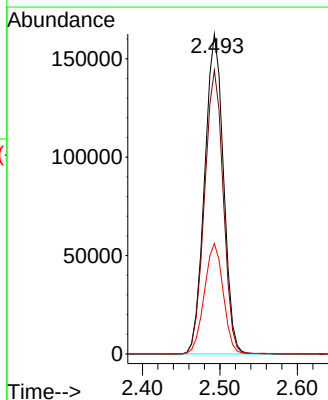
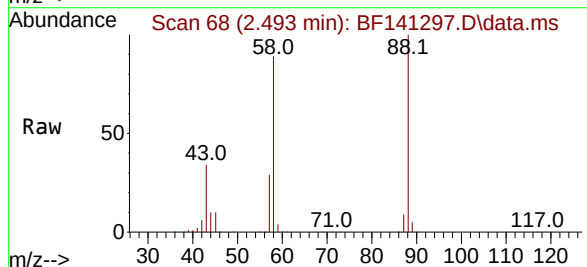
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

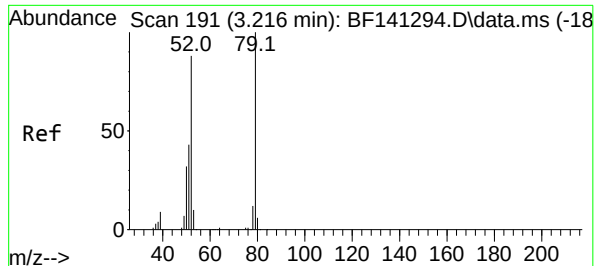
Tgt Ion:152 Resp: 129386
Ion Ratio Lower Upper
152 100
150 165.5 125.9 188.9
115 61.4 49.7 74.5



#2
1,4-Dioxane
Concen: 73.111 ng
RT: 2.493 min Scan# 68
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion: 88 Resp: 274366
Ion Ratio Lower Upper
88 100
58 88.2 70.2 105.4
43 34.3 27.6 41.4





#3

Pyridine

Concen: 76.095 ng

RT: 3.228 min Scan# 191

Delta R.T. 0.012 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

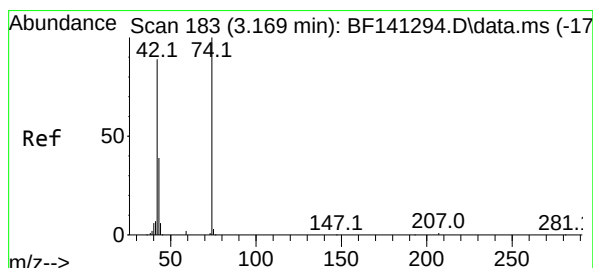
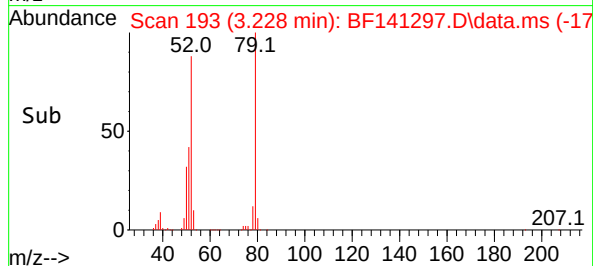
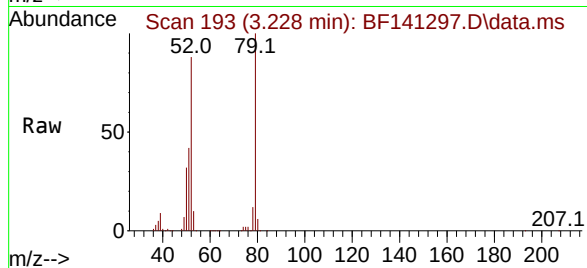
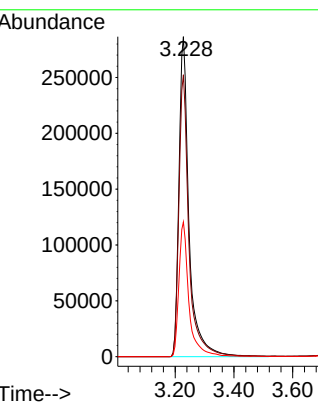
BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion: 79 Resp: 684346

Ion	Ratio	Lower	Upper
79	100		
52	88.1	70.3	105.5
51	42.1	34.3	51.5



#4

n-Nitrosodimethylamine

Concen: 77.974 ng

RT: 3.199 min Scan# 188

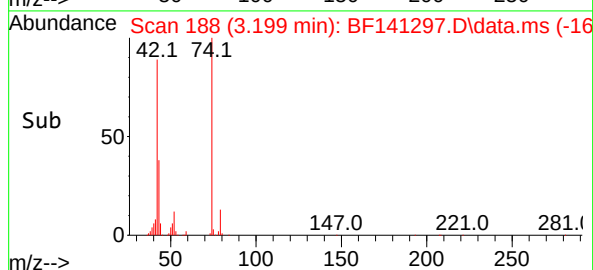
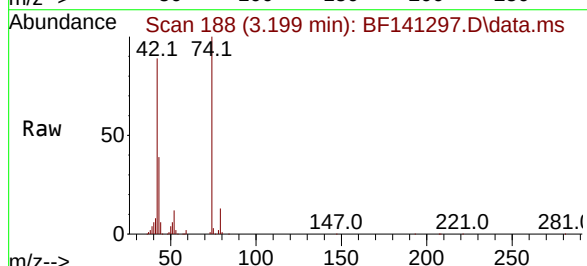
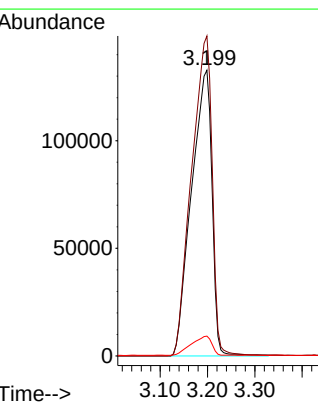
Delta R.T. 0.018 min

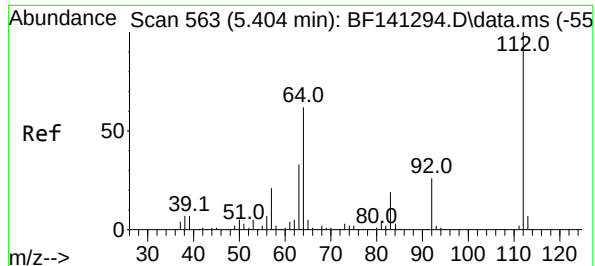
Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Tgt Ion: 42 Resp: 399245

Ion	Ratio	Lower	Upper
42	100		
74	112.0	90.3	135.5
44	6.9	5.7	8.5

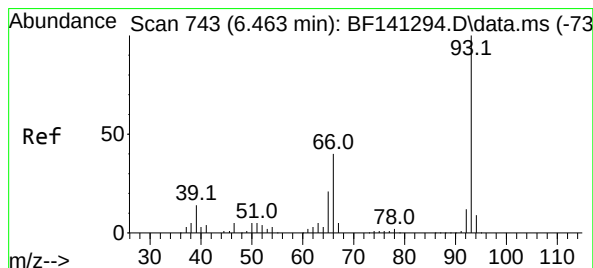
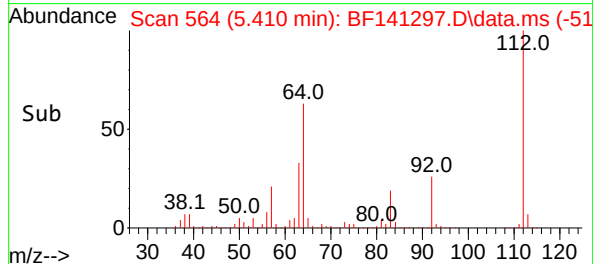
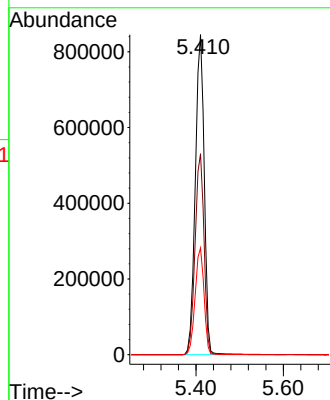
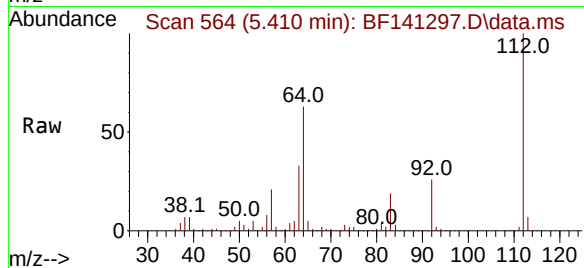




#5
2-Fluorophenol
Concen: 140.330 ng
RT: 5.410 min Scan# 50
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

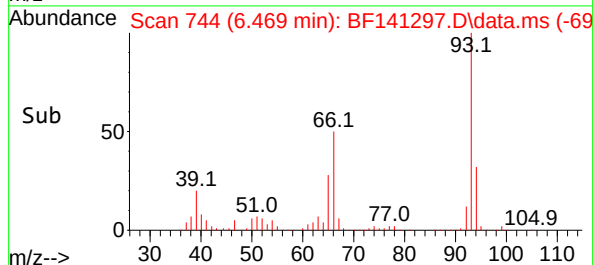
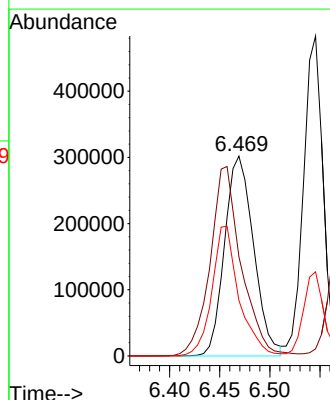
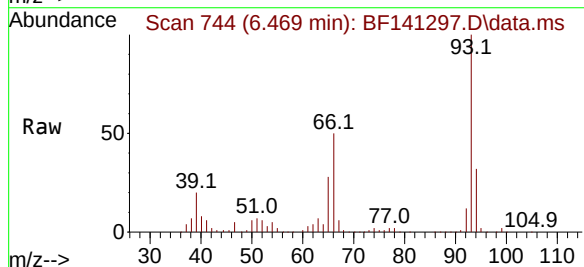
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

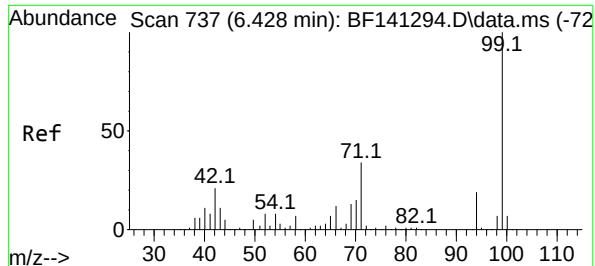
Tgt Ion:112 Resp: 1203835
Ion Ratio Lower Upper
112 100
64 62.8 49.8 74.8
63 33.4 26.1 39.1



#6
Aniline
Concen: 65.185 ng
RT: 6.469 min Scan# 744
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion: 93 Resp: 607667
Ion Ratio Lower Upper
93 100
66 49.7 32.5 48.7#
65 27.8 17.0 25.6#





#7

Phenol-d6

Concen: 139.796 ng

RT: 6.440 min Scan# 71

Delta R.T. 0.006 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

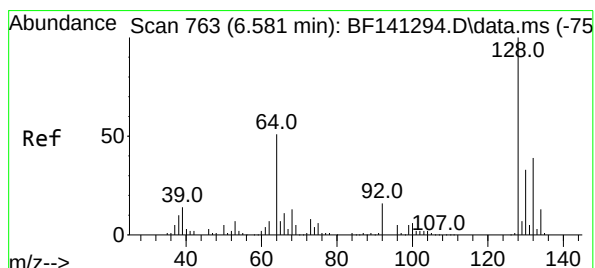
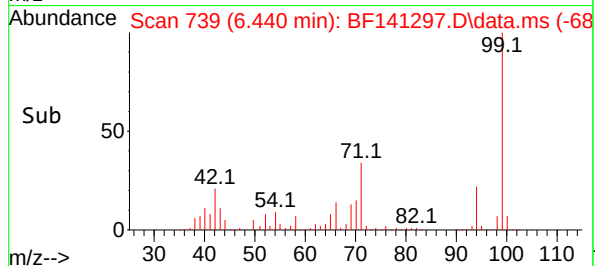
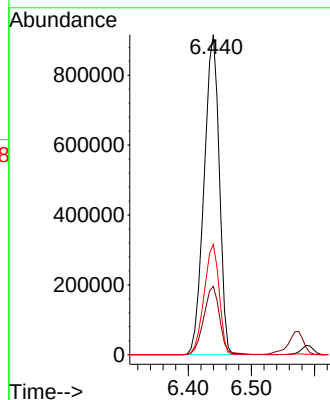
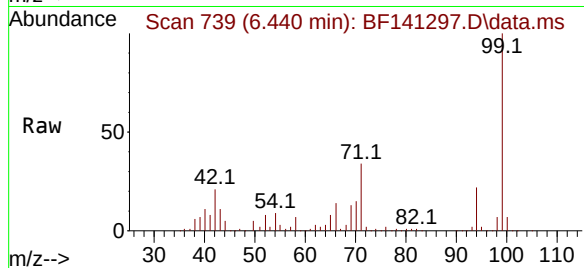
Tgt Ion: 99 Resp: 1526343

Ion Ratio Lower Upper

99 100

42 21.4 17.1 25.7

71 34.4 26.9 40.3



#8

2-Chlorophenol

Concen: 69.519 ng

RT: 6.593 min Scan# 765

Delta R.T. 0.006 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

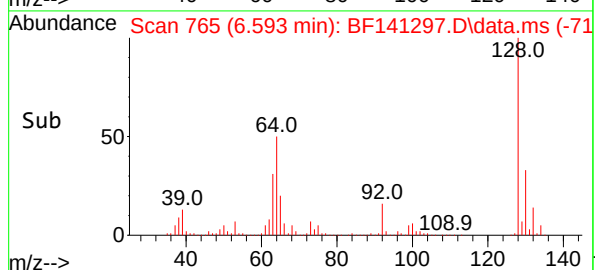
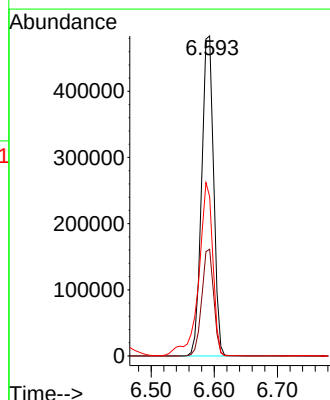
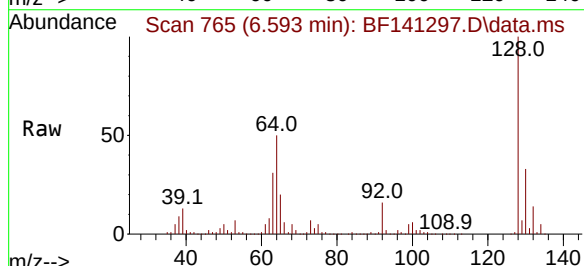
Tgt Ion:128 Resp: 639957

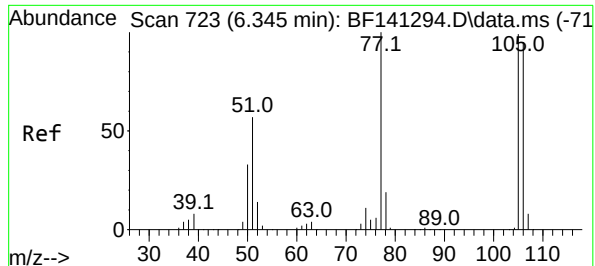
Ion Ratio Lower Upper

128 100

130 33.4 12.5 52.5

64 49.8 32.9 72.9





#9

Benzaldehyde

Concen: 58.226 ng

RT: 6.351 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

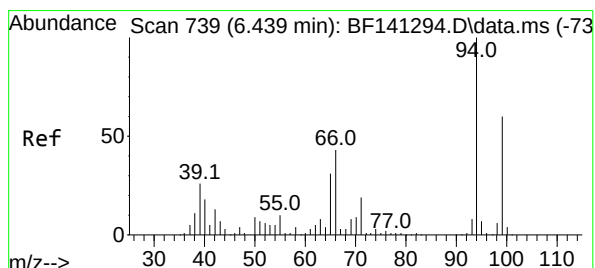
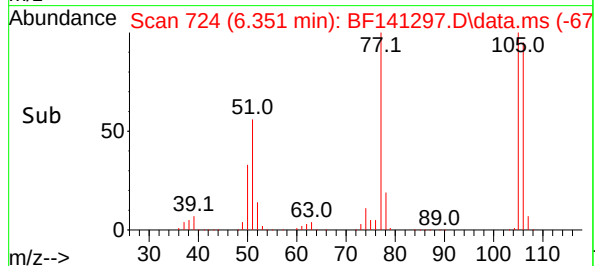
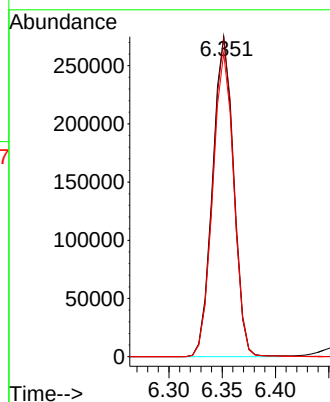
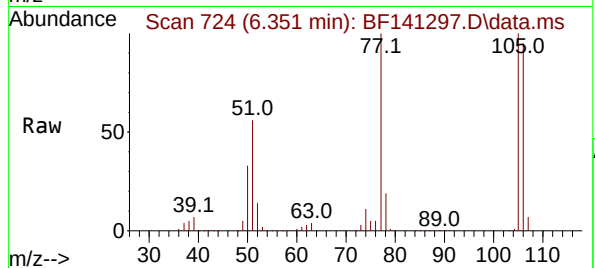
Tgt Ion: 77 Resp: 376227

Ion Ratio Lower Upper

77 100

105 99.7 79.4 119.4

106 94.9 74.6 114.6



#10

Phenol

Concen: 69.411 ng

RT: 6.451 min Scan# 741

Delta R.T. 0.006 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

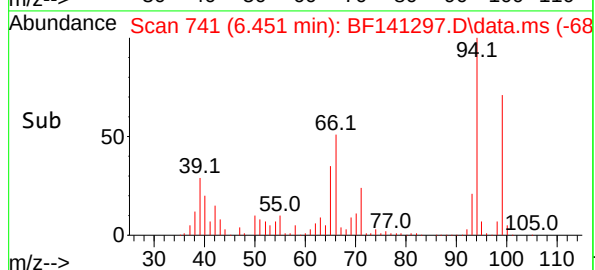
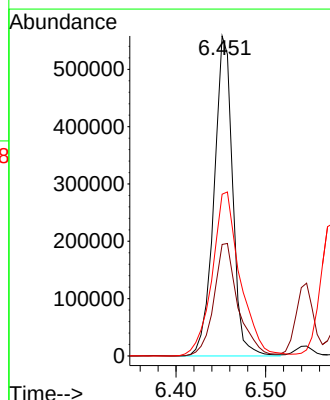
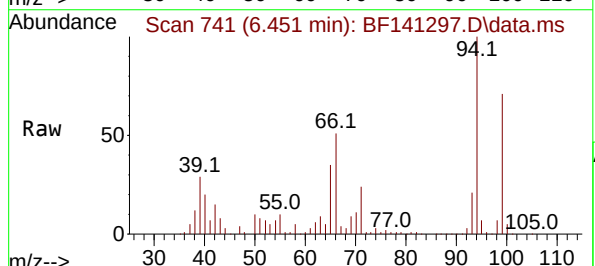
Tgt Ion: 94 Resp: 804078

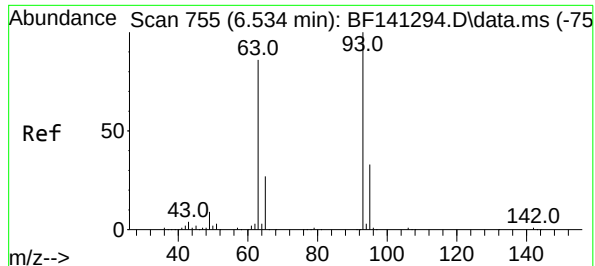
Ion Ratio Lower Upper

94 100

65 34.9 10.8 50.8

66 50.6 23.3 63.3

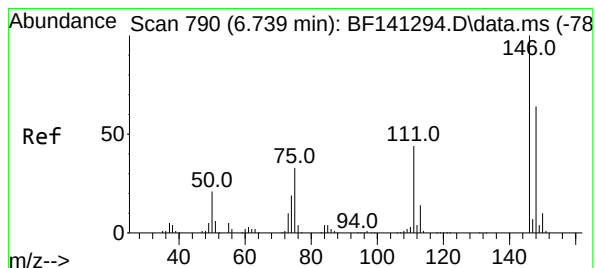
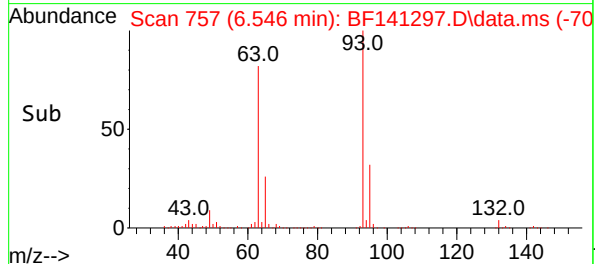
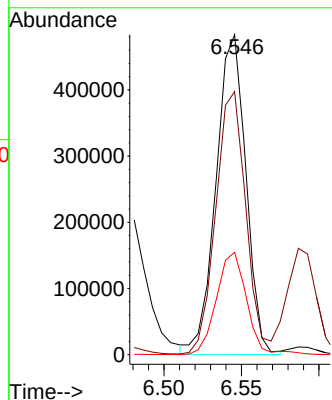
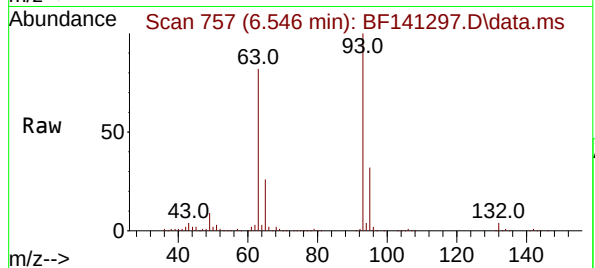




#11
bis(2-Chloroethyl)ether
Concen: 73.535 ng
RT: 6.546 min Scan# 709
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

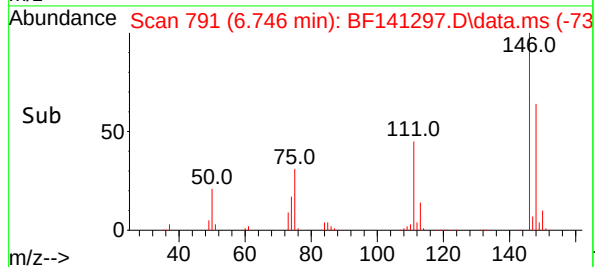
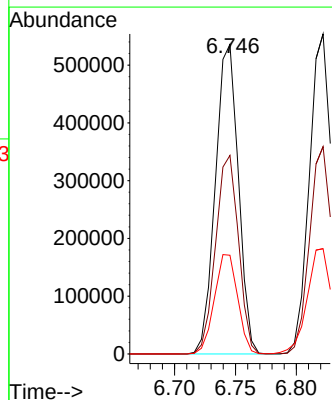
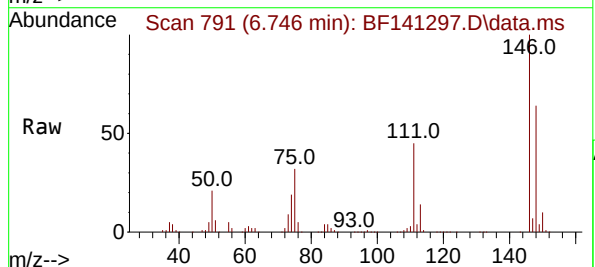
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

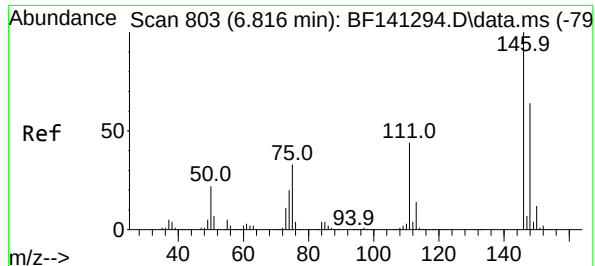
Tgt Ion: 93 Resp: 648287
Ion Ratio Lower Upper
93 100
63 82.2 65.0 105.0
95 32.0 12.4 52.4



#12
1,3-Dichlorobenzene
Concen: 69.446 ng
RT: 6.746 min Scan# 791
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion: 146 Resp: 704973
Ion Ratio Lower Upper
146 100
148 64.2 51.2 76.8
75 31.9 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 69.256 ng

RT: 6.822 min Scan# 80

Delta R.T. 0.006 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

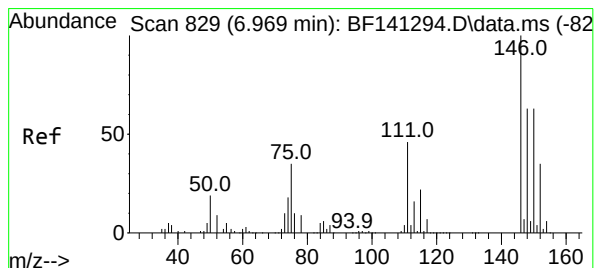
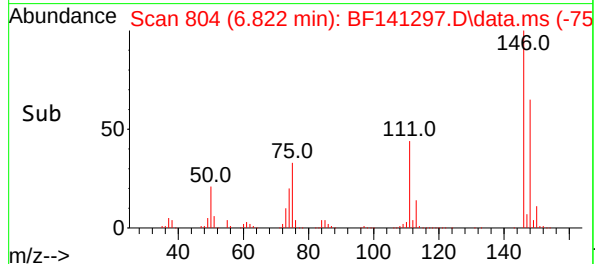
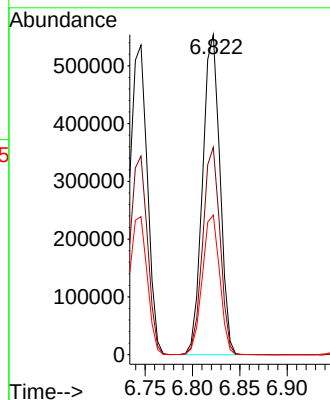
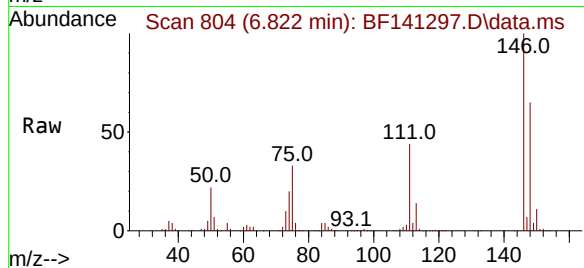
Tgt Ion:146 Resp: 706528

Ion Ratio Lower Upper

146 100

148 64.8 51.2 76.8

111 43.6 35.0 52.4



#14

1,2-Dichlorobenzene

Concen: 66.867 ng

RT: 6.975 min Scan# 830

Delta R.T. 0.000 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

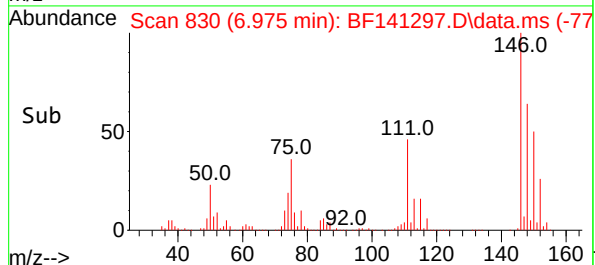
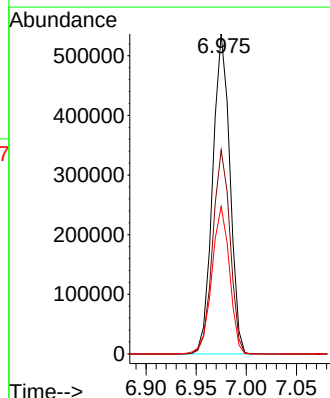
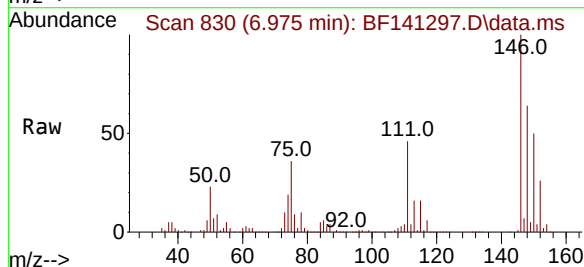
Tgt Ion:146 Resp: 641551

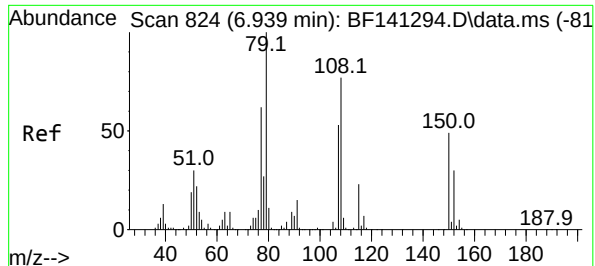
Ion Ratio Lower Upper

146 100

148 63.7 50.5 75.7

111 46.1 36.6 55.0

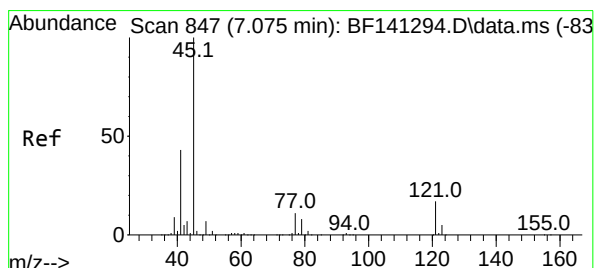
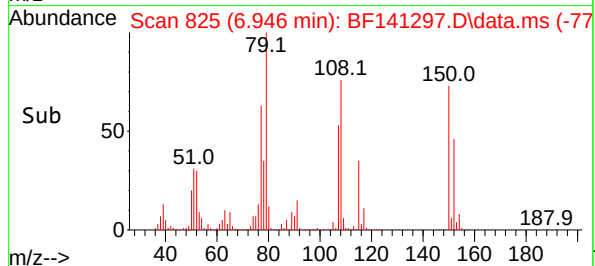
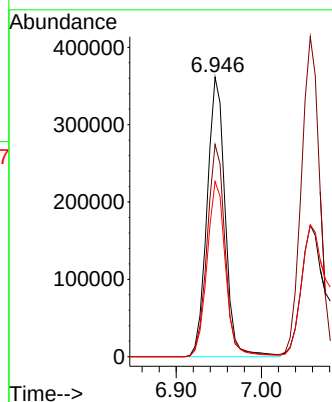
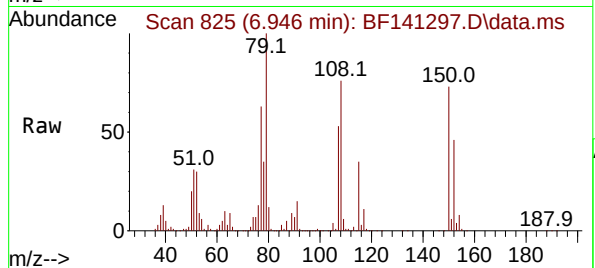




#15
Benzyl Alcohol
Concen: 71.549 ng
RT: 6.946 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

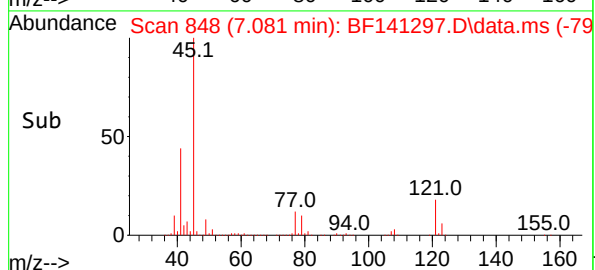
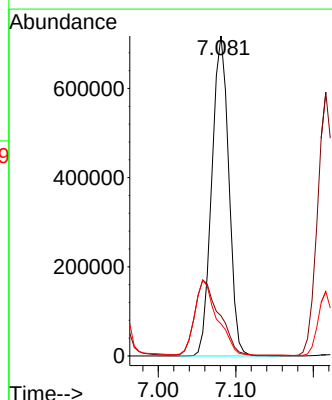
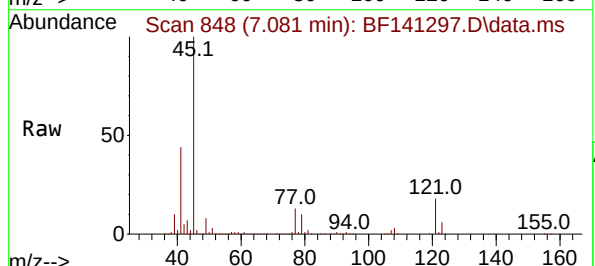
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

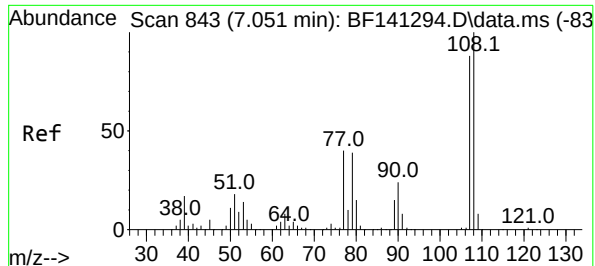
Tgt Ion: 79 Resp: 532270
Ion Ratio Lower Upper
79 100
108 75.9 61.4 92.0
77 62.7 49.9 74.9



#16
2,2'-oxybis(1-Chloropropane)
Concen: 70.953 ng
RT: 7.081 min Scan# 848
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion: 45 Resp: 1092827
Ion Ratio Lower Upper
45 100
77 12.6 0.0 31.8
79 10.0 0.0 29.1

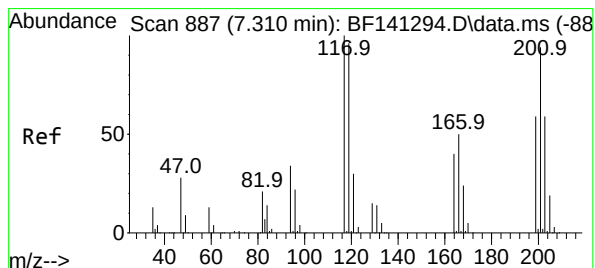
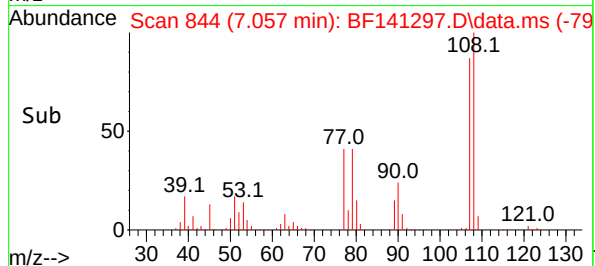
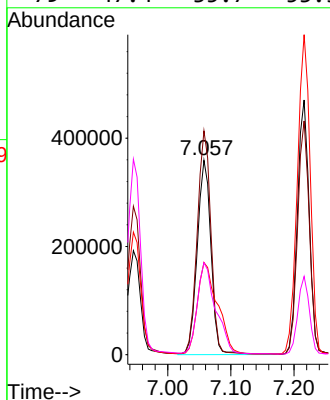
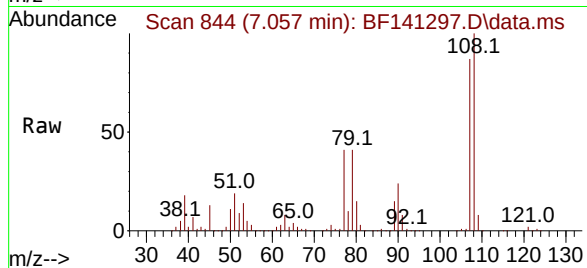




#17
2-Methylphenol
Concen: 73.368 ng
RT: 7.057 min Scan# 843
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

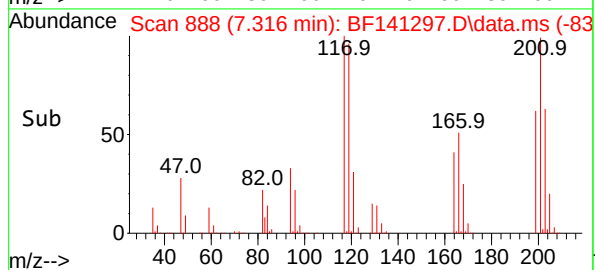
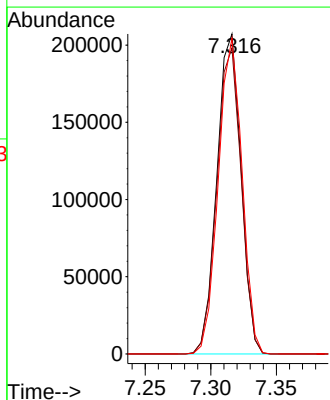
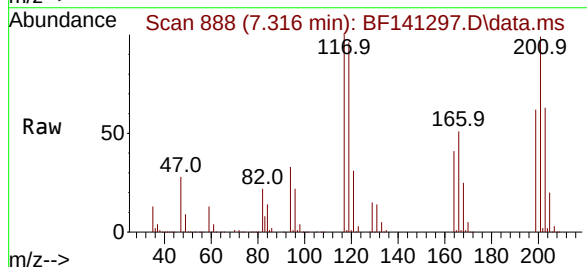
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

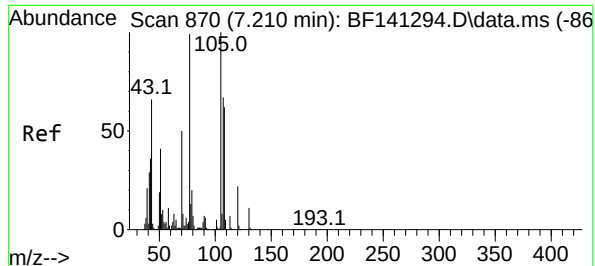
Tgt Ion:107 Resp: 545097
Ion Ratio Lower Upper
107 100
108 115.2 90.8 136.2
77 47.5 36.2 54.4
79 47.4 35.7 53.5



#18
Hexachloroethane
Concen: 70.765 ng
RT: 7.316 min Scan# 888
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:117 Resp: 265593
Ion Ratio Lower Upper
117 100
119 95.7 76.6 114.8
201 98.6 74.8 112.2

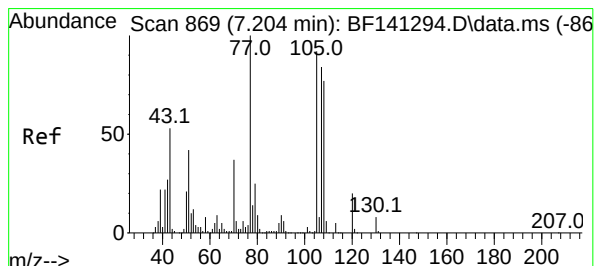
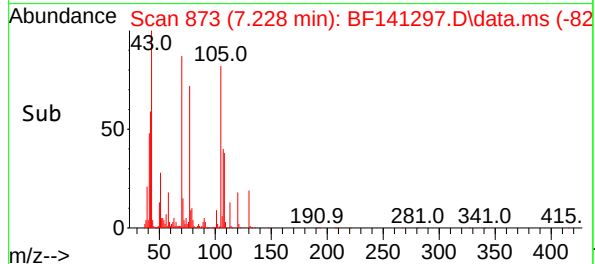
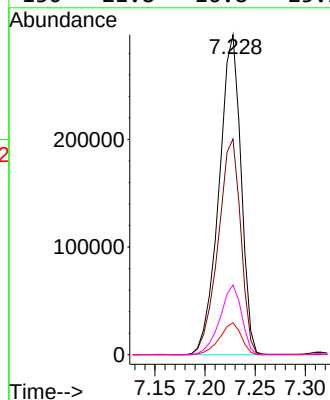
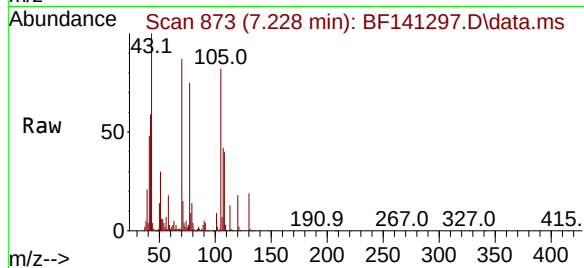




#19
n-Nitroso-di-n-propylamine
Concen: 69.874 ng
RT: 7.228 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

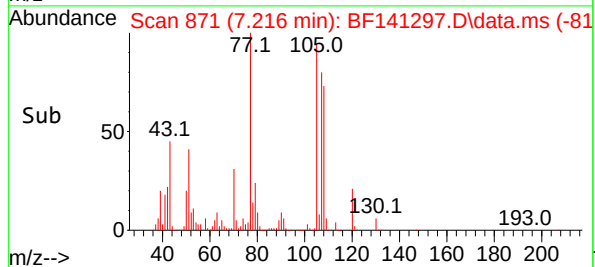
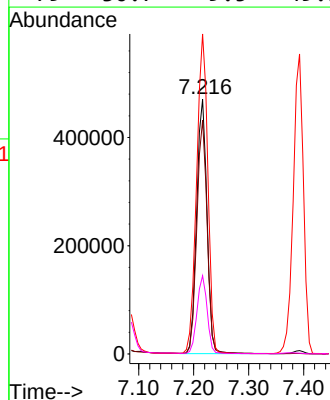
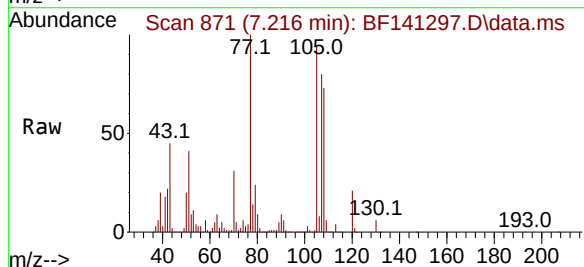
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

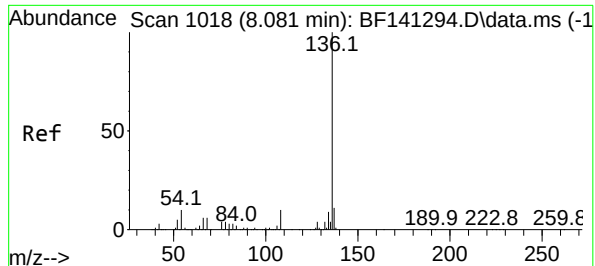
Tgt Ion: 70 Resp: 452303
Ion Ratio Lower Upper
70 100
42 67.4 56.8 85.2
101 9.9 7.7 11.5
130 21.8 16.8 25.2



#20
3+4-Methylphenols
Concen: 66.467 ng
RT: 7.216 min Scan# 871
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion: 107 Resp: 613997
Ion Ratio Lower Upper
107 100
108 91.8 70.9 110.9
77 125.6 98.5 138.5
79 30.7 9.5 49.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.087 min Scan# 1018

Delta R.T. 0.000 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:136 Resp: 500219

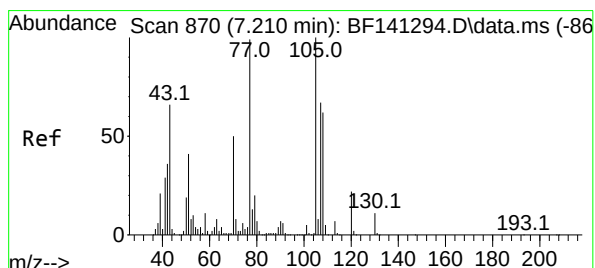
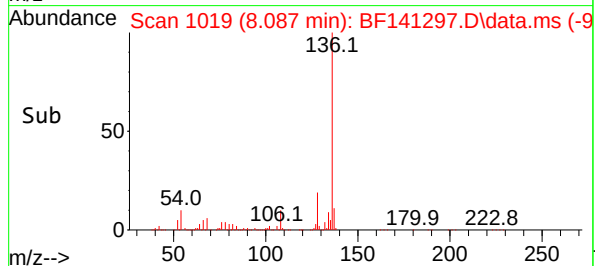
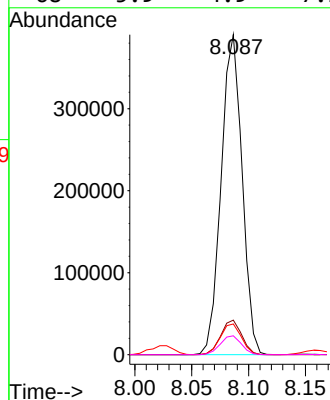
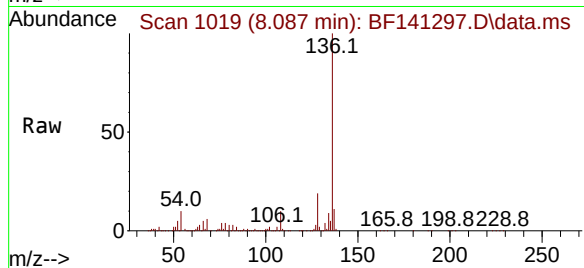
Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

54 9.6 7.8 11.8

68 5.9 4.9 7.3



#22

Acetophenone

Concen: 67.811 ng

RT: 7.216 min Scan# 871

Delta R.T. 0.000 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Tgt Ion:105 Resp: 824220

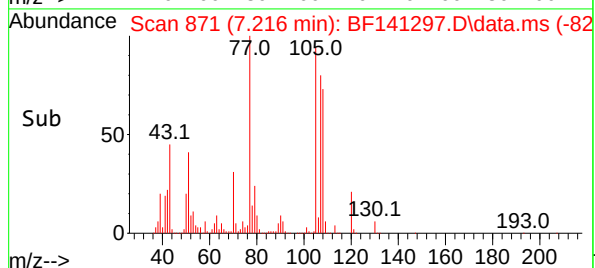
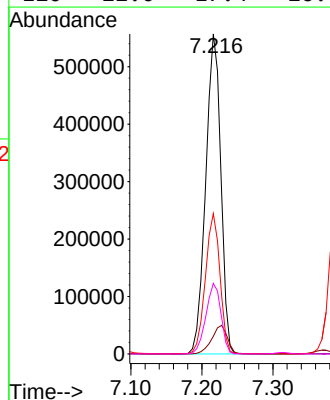
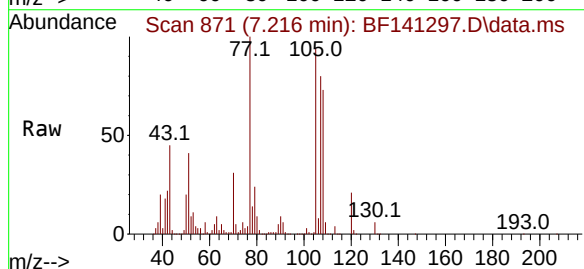
Ion Ratio Lower Upper

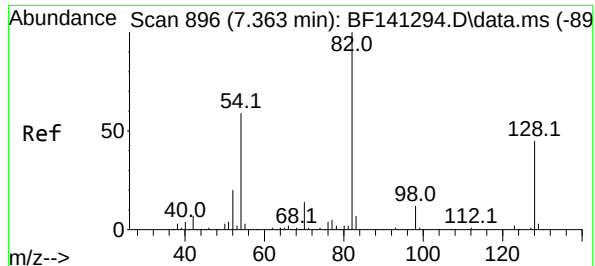
105 100

71 5.5 6.8 10.2#

51 43.9 32.6 49.0

120 22.0 17.4 26.0





#23

Nitrobenzene-d5

Concen: 145.214 ng

RT: 7.369 min Scan# 89

Delta R.T. 0.000 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

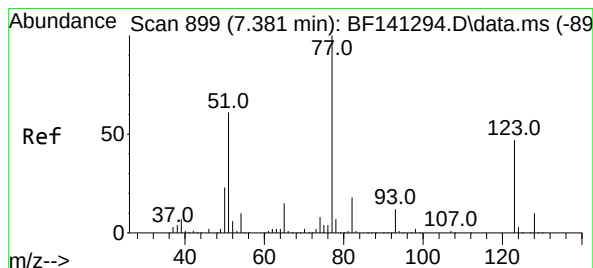
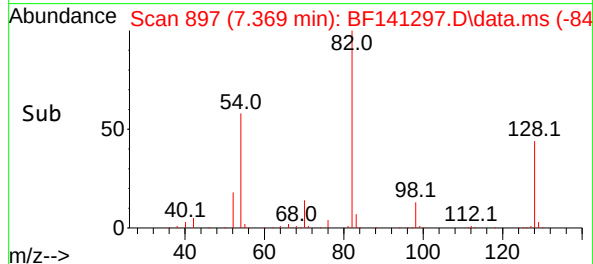
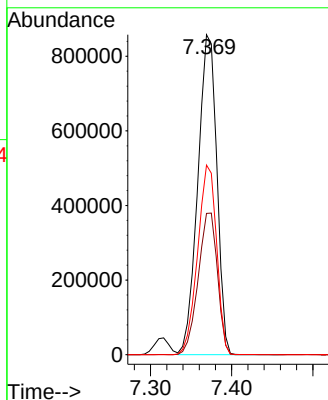
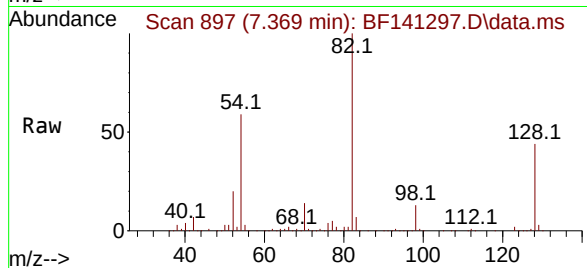
BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion: 82 Resp: 1396346

Ion	Ratio	Lower	Upper
82	100		
128	44.2	35.7	53.5
54	59.3	47.1	70.7



#24

Nitrobenzene

Concen: 71.762 ng

RT: 7.393 min Scan# 901

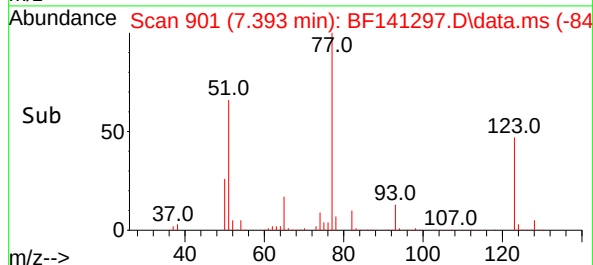
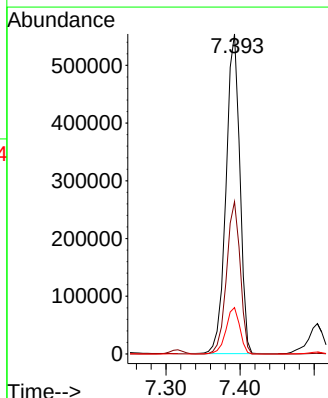
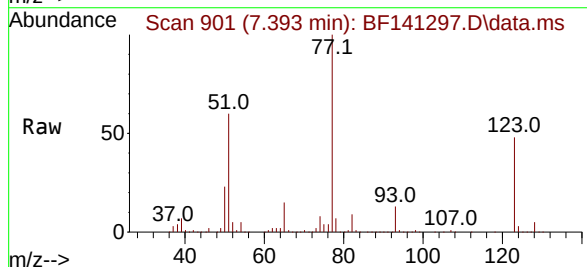
Delta R.T. 0.006 min

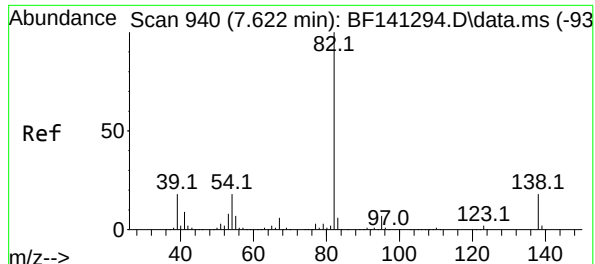
Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Tgt Ion: 77 Resp: 716200

Ion	Ratio	Lower	Upper
77	100		
123	47.6	37.3	55.9
65	14.5	11.8	17.6





#25

Isophorone

Concen: 74.193 ng

RT: 7.628 min Scan# 941

Delta R.T. 0.006 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

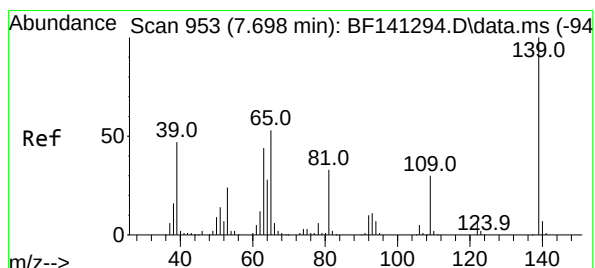
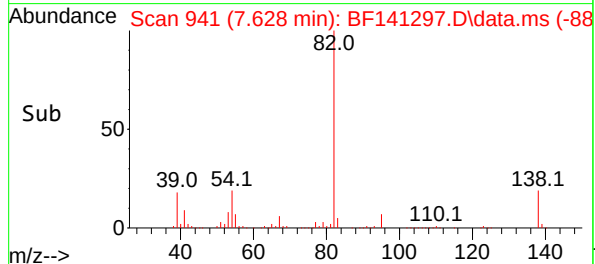
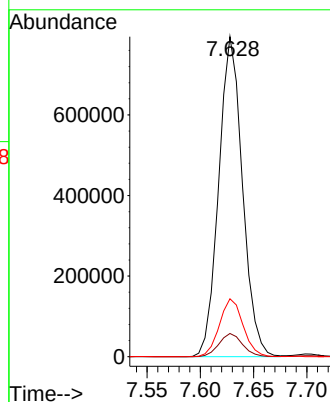
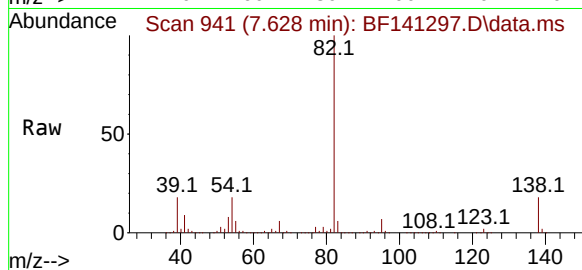
BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion: 82 Resp: 1229697

Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.8	8.6
138	18.1	14.7	22.1



#26

2-Nitrophenol

Concen: 76.912 ng

RT: 7.704 min Scan# 954

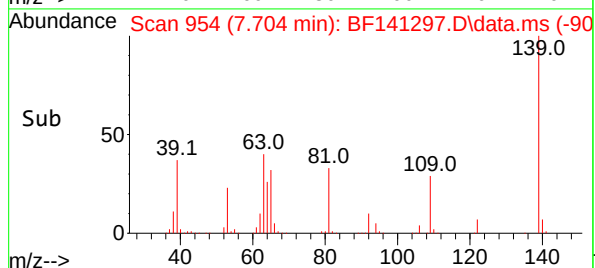
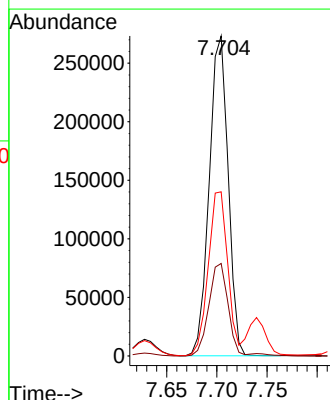
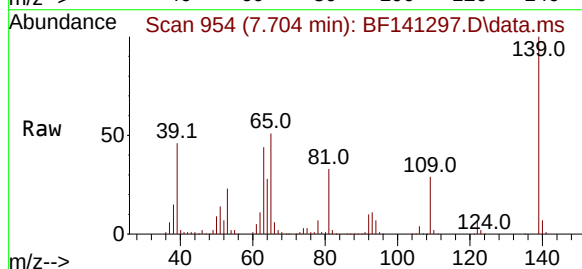
Delta R.T. 0.006 min

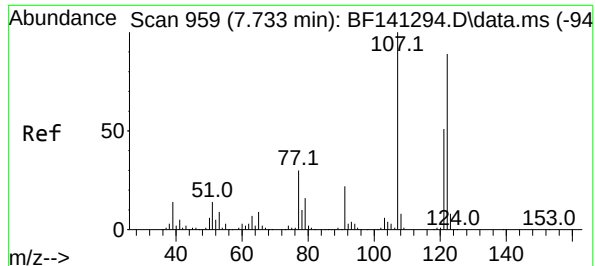
Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Tgt Ion:139 Resp: 358664

Ion	Ratio	Lower	Upper
139	100		
109	28.9	23.8	35.6
65	51.3	42.2	63.4





#27

2,4-Dimethylphenol

Concen: 74.779 ng

RT: 7.740 min Scan# 90

Delta R.T. 0.000 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

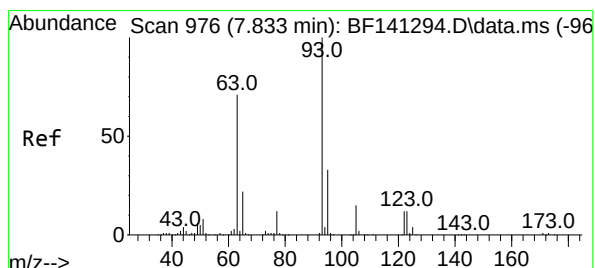
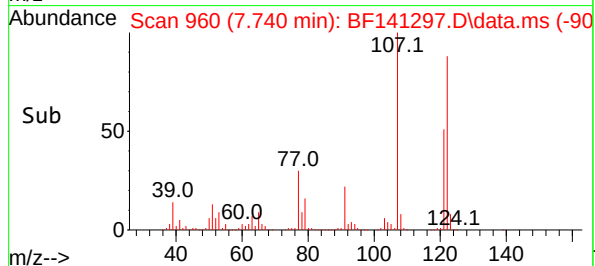
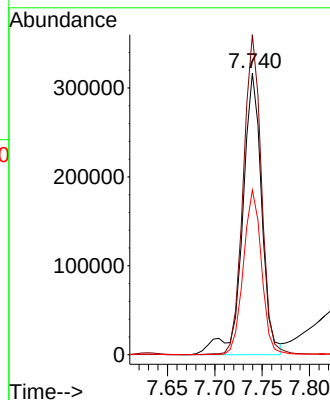
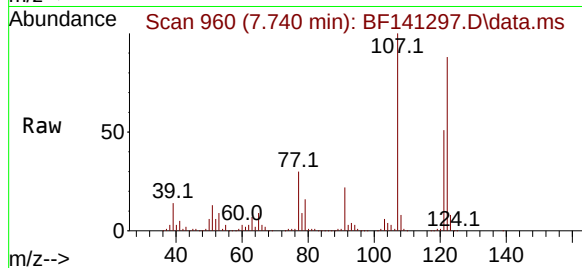
Tgt Ion:122 Resp: 445560

Ion Ratio Lower Upper

122 100

107 113.7 89.9 134.9

121 58.5 46.1 69.1



#28

bis(2-Chloroethoxy)methane

Concen: 72.405 ng

RT: 7.840 min Scan# 977

Delta R.T. 0.006 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

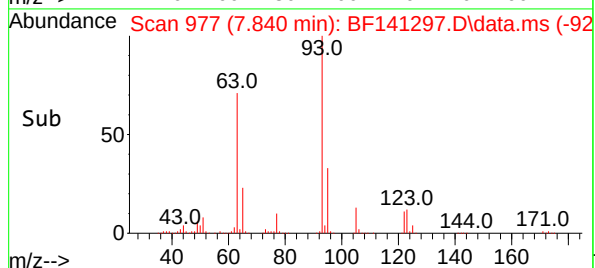
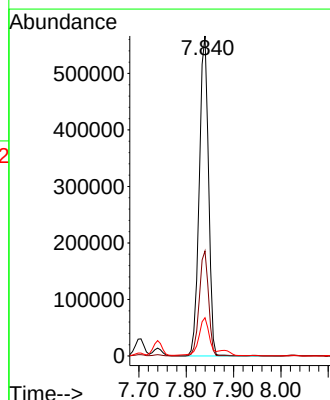
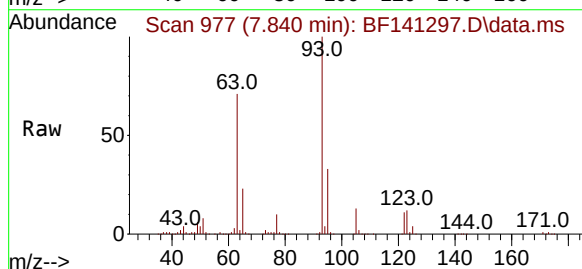
Tgt Ion: 93 Resp: 767960

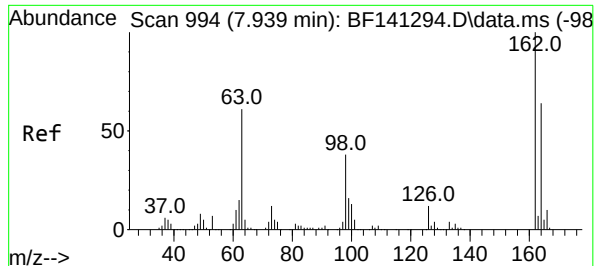
Ion Ratio Lower Upper

93 100

95 32.8 26.2 39.2

123 12.0 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 71.573 ng

RT: 7.945 min Scan# 994

Delta R.T. 0.006 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

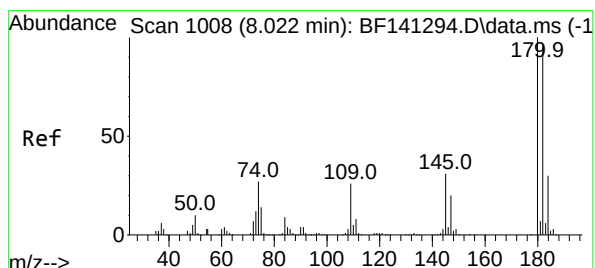
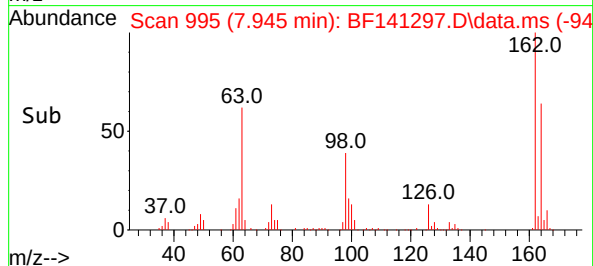
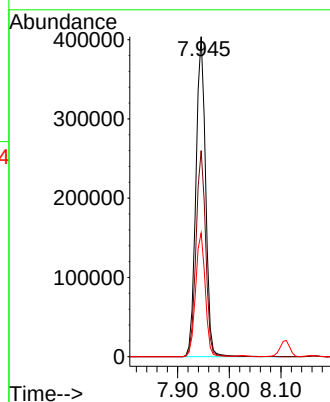
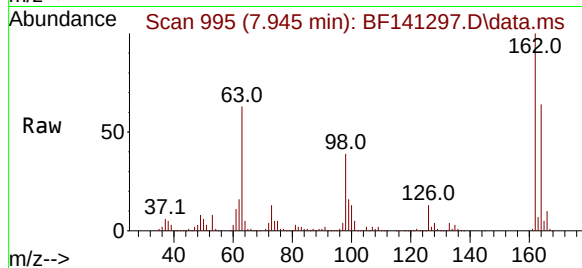
Tgt Ion:162 Resp: 525117

Ion Ratio Lower Upper

162 100

164 64.4 44.2 84.2

98 38.6 18.2 58.2



#30

1,2,4-Trichlorobenzene

Concen: 69.437 ng

RT: 8.028 min Scan# 1009

Delta R.T. 0.006 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

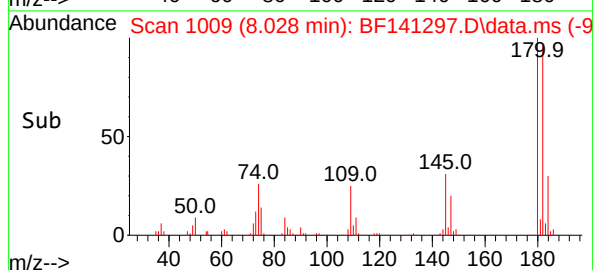
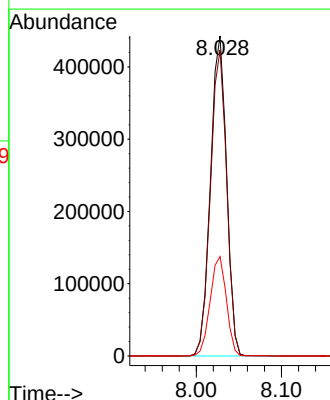
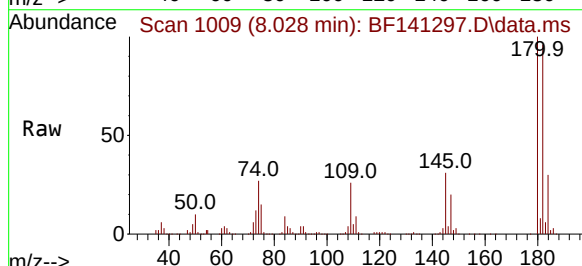
Tgt Ion:180 Resp: 584061

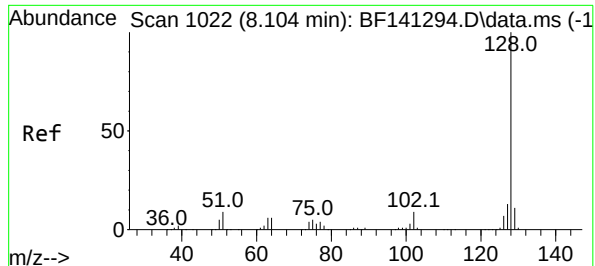
Ion Ratio Lower Upper

180 100

182 95.6 76.4 114.6

145 31.0 24.9 37.3

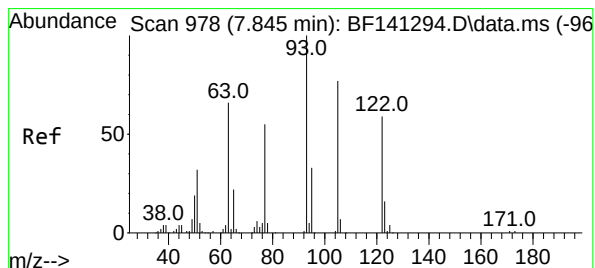
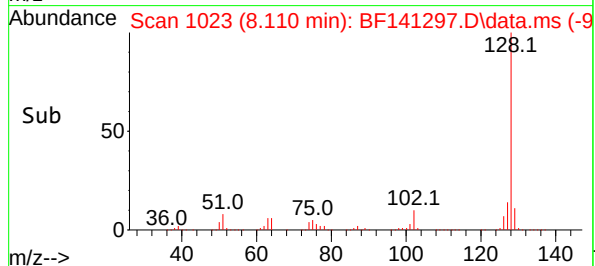
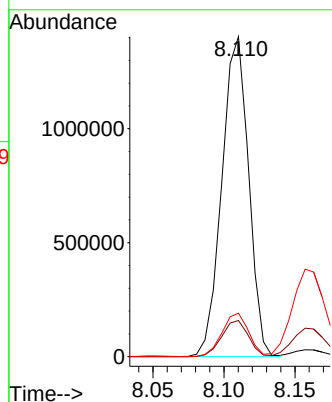
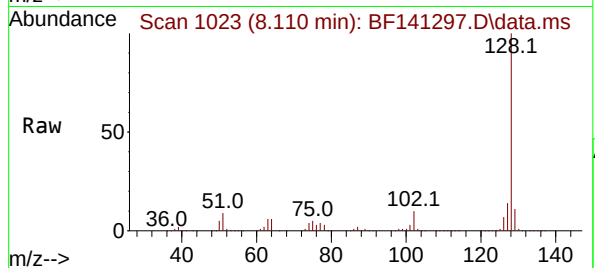




#31
Naphthalene
Concen: 68.107 ng
RT: 8.110 min Scan# 1022
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

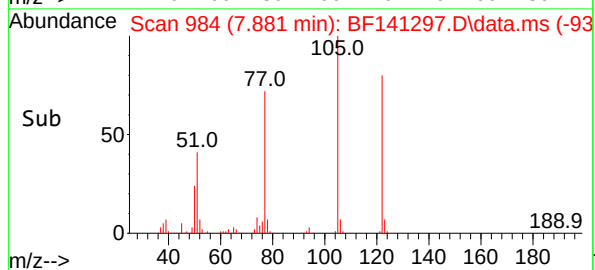
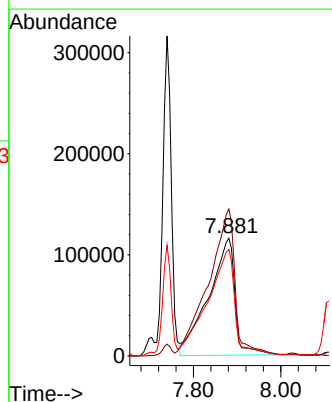
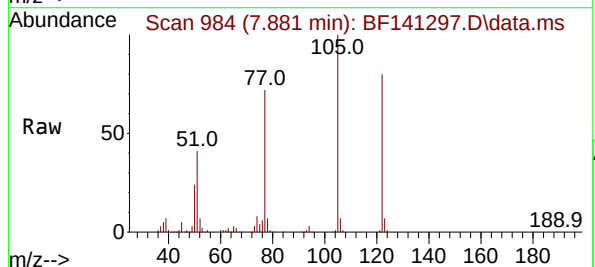
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

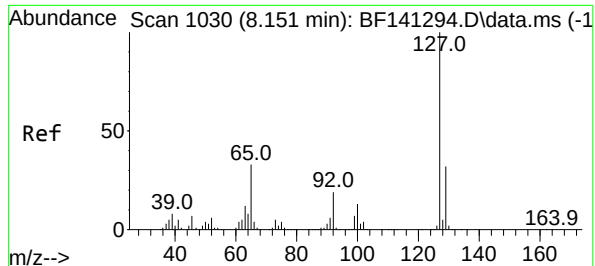
Tgt Ion:128 Resp: 1838789
Ion Ratio Lower Upper
128 100
129 11.3 8.9 13.3
127 13.6 10.6 15.8



#32
Benzoic acid
Concen: 91.066 ng
RT: 7.881 min Scan# 984
Delta R.T. 0.018 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:122 Resp: 484583
Ion Ratio Lower Upper
122 100
105 124.8 103.4 143.4
77 90.5 70.9 110.9

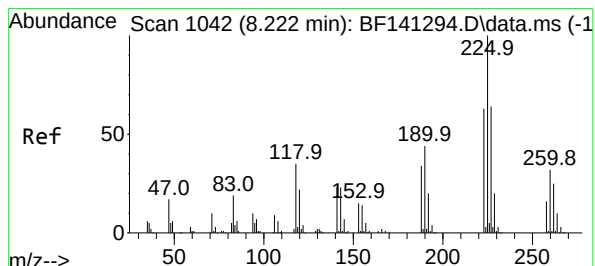
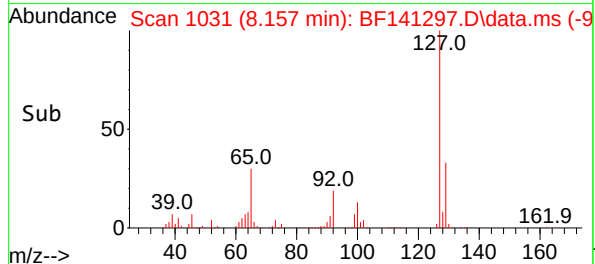
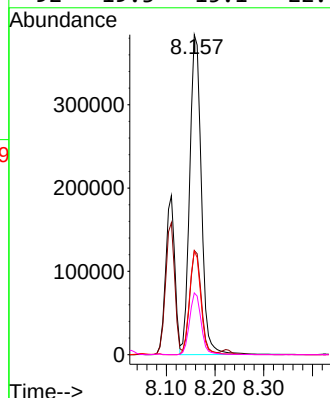
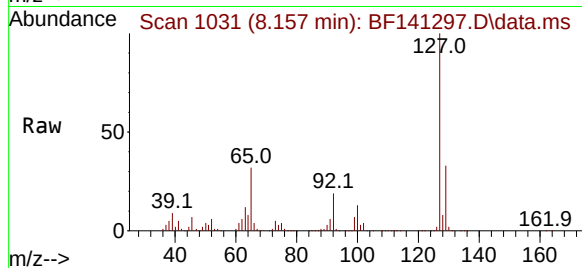




#33
4-Chloroaniline
Concen: 69.737 ng
RT: 8.157 min Scan# 1030
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

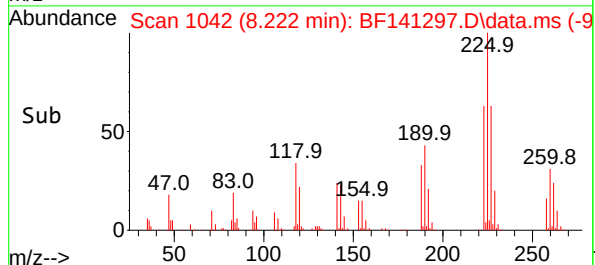
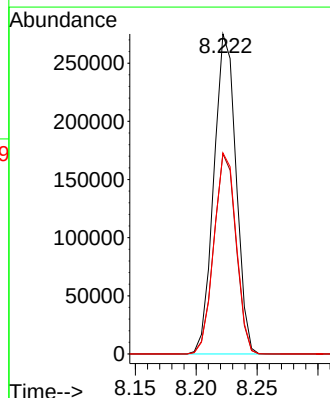
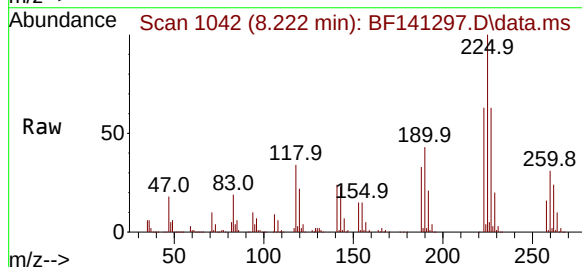
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

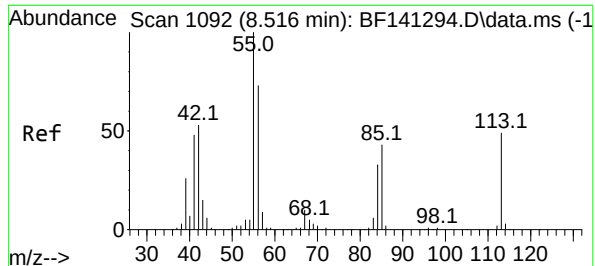
Tgt Ion:127	Resp: 636568
Ion Ratio	Lower Upper
127 100	
129 32.6	25.7 38.5
65 32.4	26.4 39.6
92 19.3	15.1 22.7



#34
Hexachlorobutadiene
Concen: 70.904 ng
RT: 8.222 min Scan# 1042
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:225	Resp: 348822
Ion Ratio	Lower Upper
225 100	
223 62.5	50.4 75.6
227 62.9	51.3 76.9

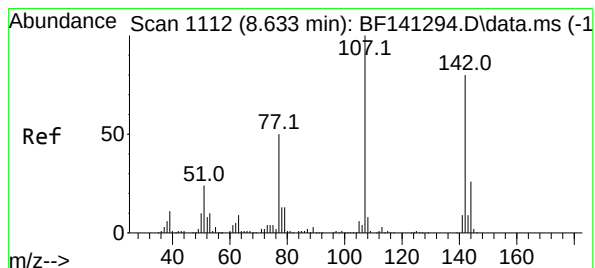
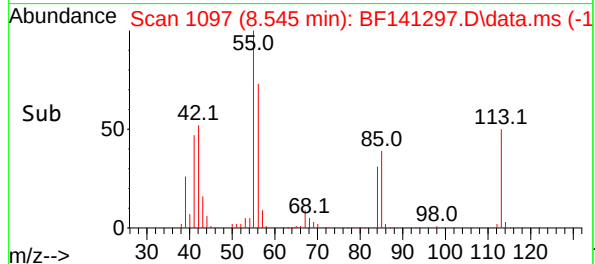
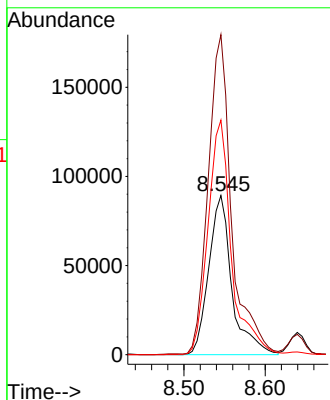
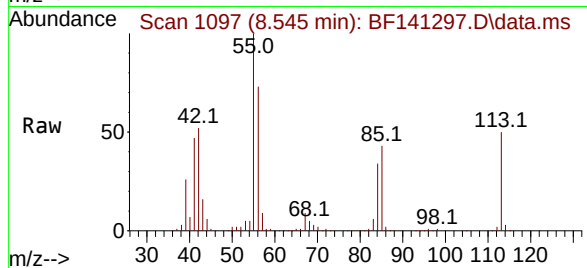




#35
Caprolactam
Concen: 74.270 ng
RT: 8.545 min Scan# 1097
Delta R.T. 0.012 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

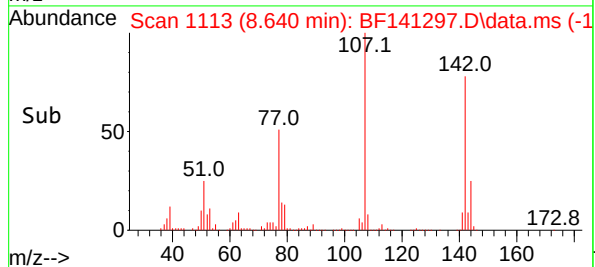
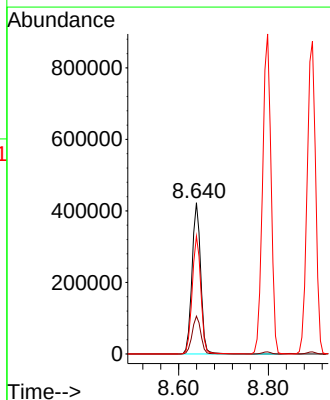
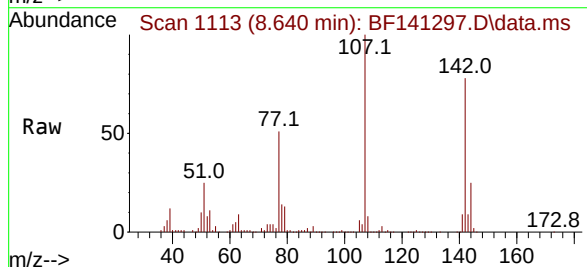
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

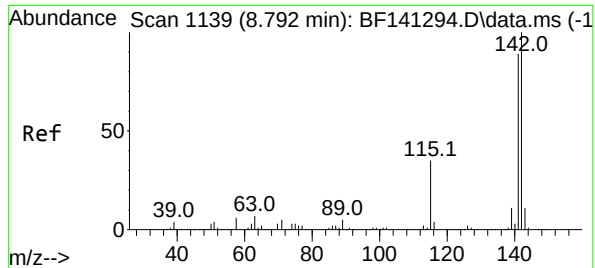
Tgt Ion:113 Resp: 177093
Ion Ratio Lower Upper
113 100
55 201.0 182.9 222.9
56 147.3 127.9 167.9



#36
4-Chloro-3-methylphenol
Concen: 72.094 ng
RT: 8.640 min Scan# 1113
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:107 Resp: 566827
Ion Ratio Lower Upper
107 100
144 24.9 20.7 31.1
142 77.9 63.8 95.8





#37

2-Methylnaphthalene

Concen: 67.926 ng

RT: 8.798 min Scan# 1139

Delta R.T. 0.006 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

BNA_F

ClientSampleId :

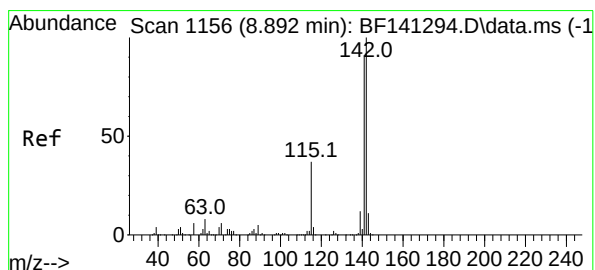
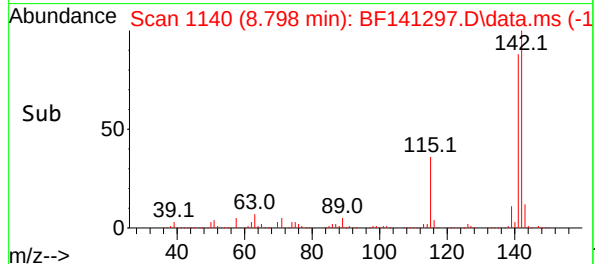
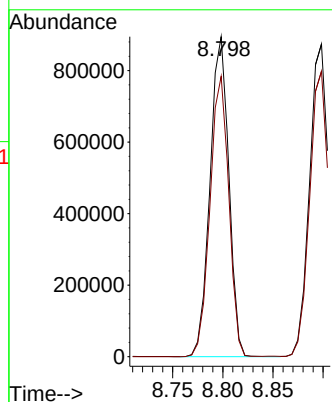
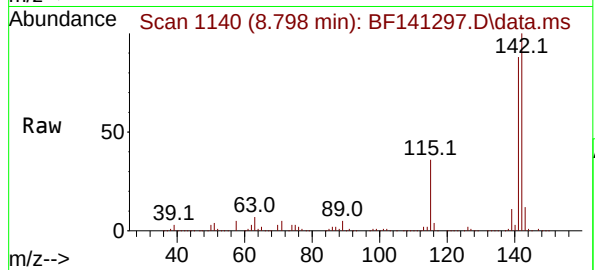
SSTDICC080

Tgt Ion:142 Resp: 1165995

Ion Ratio Lower Upper

142 100

141 87.6 71.3 106.9



#38

1-Methylnaphthalene

Concen: 67.988 ng

RT: 8.898 min Scan# 1157

Delta R.T. 0.006 min

Lab File: BF141297.D

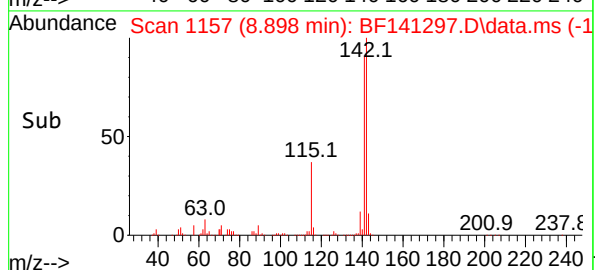
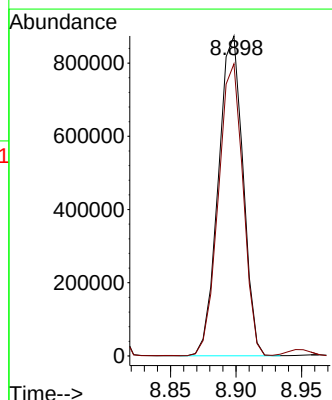
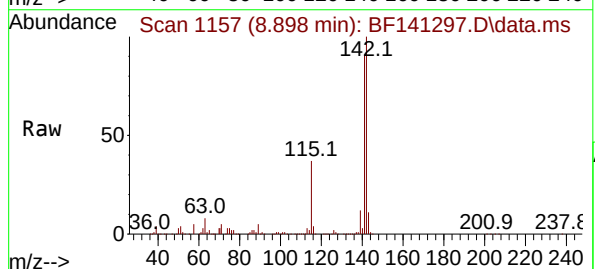
Acq: 29 Jan 2025 17:05

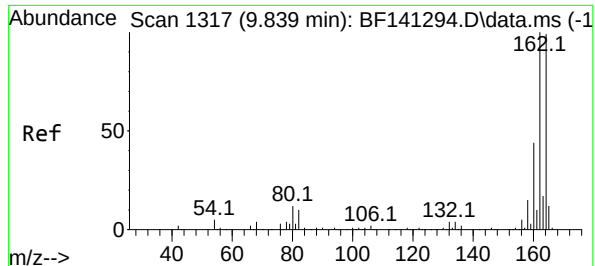
Tgt Ion:142 Resp: 1146275

Ion Ratio Lower Upper

142 100

141 91.3 73.2 109.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.839 min Scan# 1167

Delta R.T. 0.000 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

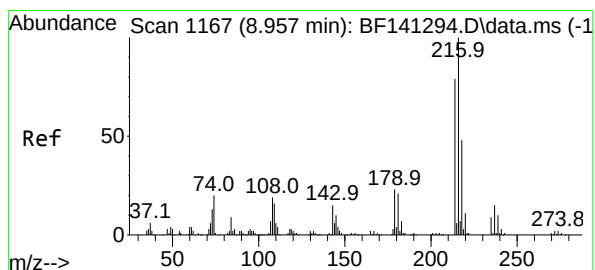
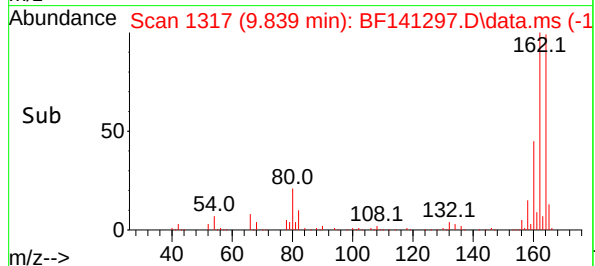
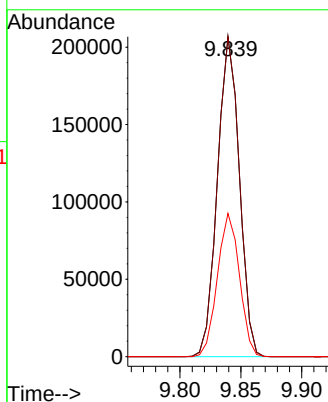
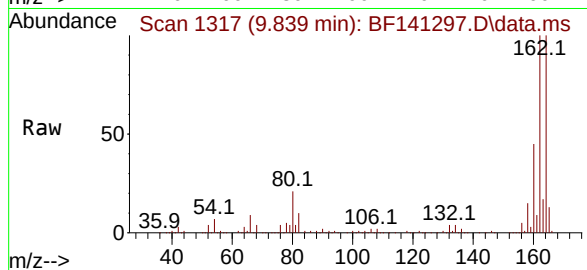
Tgt Ion:164 Resp: 259556

Ion Ratio Lower Upper

164 100

162 99.9 80.6 121.0

160 44.8 35.8 53.6



#40

1,2,4,5-Tetrachlorobenzene

Concen: 70.756 ng

RT: 8.963 min Scan# 1168

Delta R.T. 0.000 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Tgt Ion:216 Resp: 531237

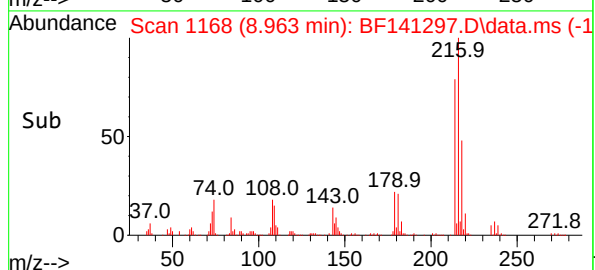
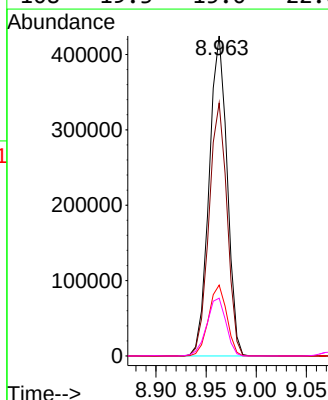
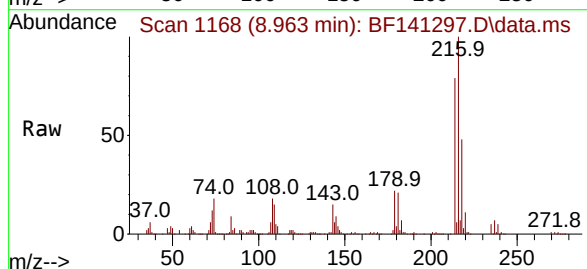
Ion Ratio Lower Upper

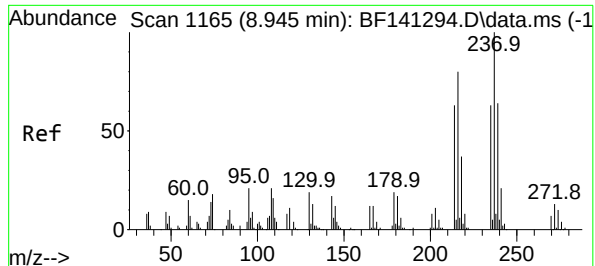
216 100

214 79.2 63.2 94.8

179 22.3 17.8 26.8

108 19.3 15.0 22.6

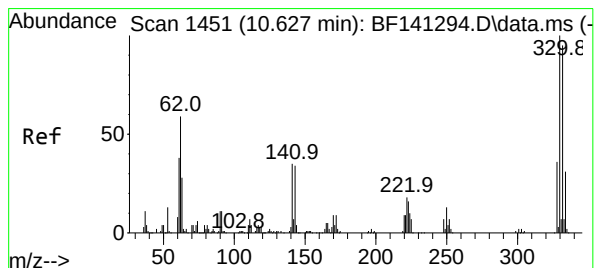
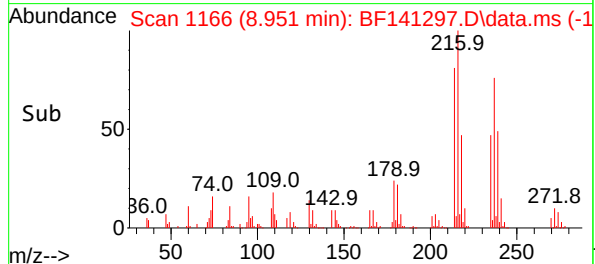
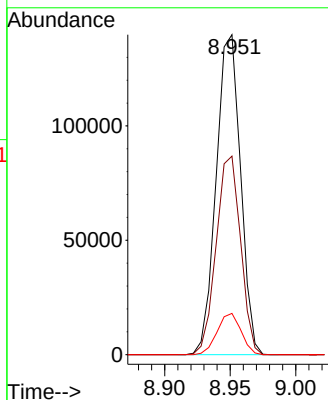
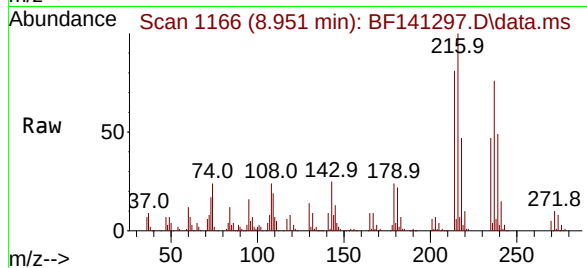




#41
Hexachlorocyclopentadiene
Concen: 83.336 ng
RT: 8.951 min Scan# 1166
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

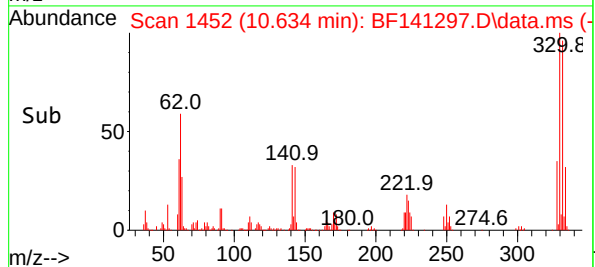
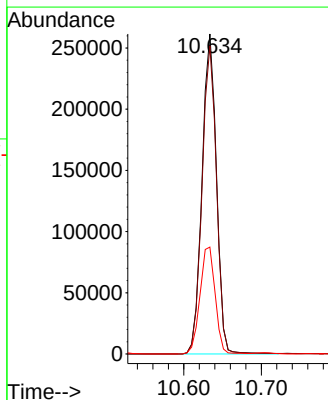
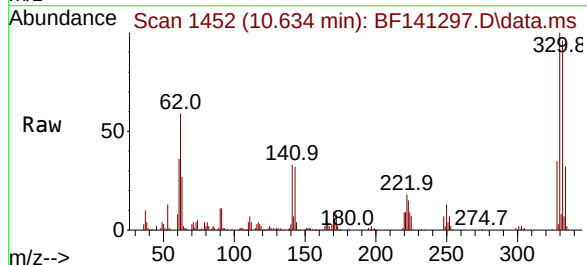
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

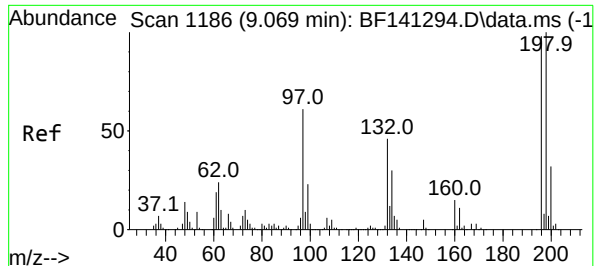
Tgt Ion:237 Resp: 180658
Ion Ratio Lower Upper
237 100
235 62.0 42.9 82.9
272 12.9 0.0 32.8



#42
2,4,6-Tribromophenol
Concen: 139.281 ng
RT: 10.634 min Scan# 1452
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:330 Resp: 337670
Ion Ratio Lower Upper
330 100
332 96.7 76.1 114.1
141 35.3 28.8 43.2





#43

2,4,6-Trichlorophenol

Concen: 73.727 ng

RT: 9.075 min Scan# 1186

Delta R.T. 0.000 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

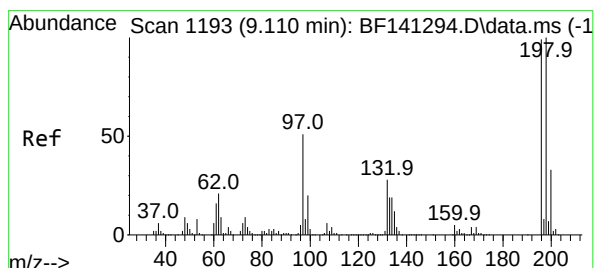
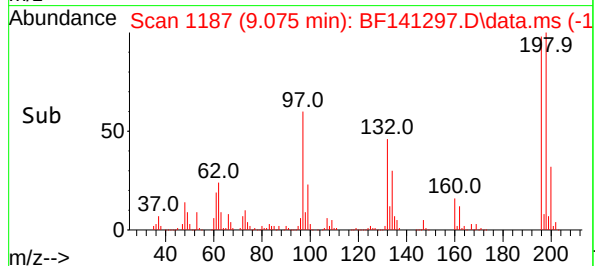
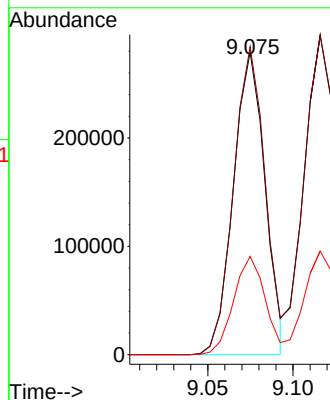
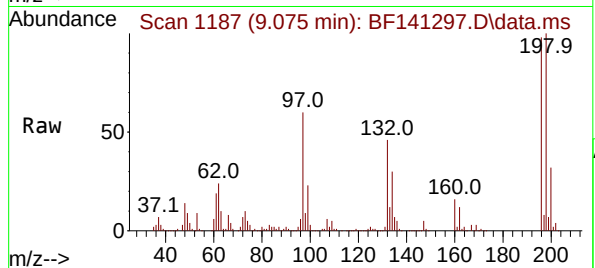
Tgt Ion:196 Resp: 360370

Ion Ratio Lower Upper

196 100

198 101.8 81.8 122.6

200 32.5 26.3 39.5



#44

2,4,5-Trichlorophenol

Concen: 74.958 ng

RT: 9.116 min Scan# 1194

Delta R.T. 0.006 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Tgt Ion:196 Resp: 397887

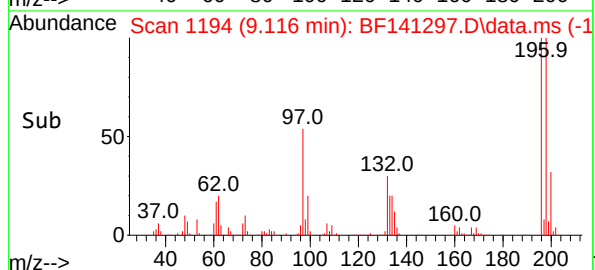
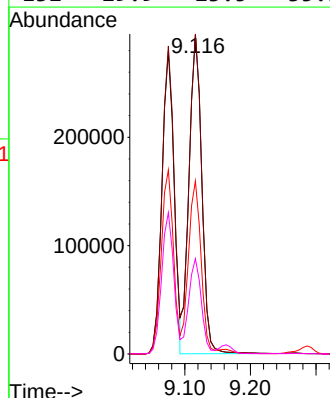
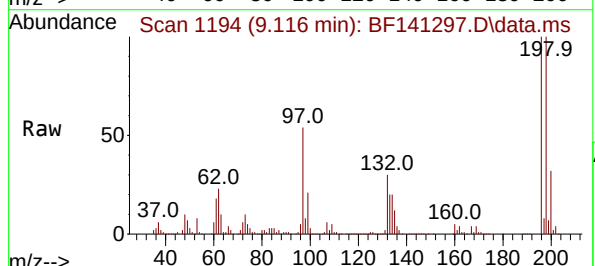
Ion Ratio Lower Upper

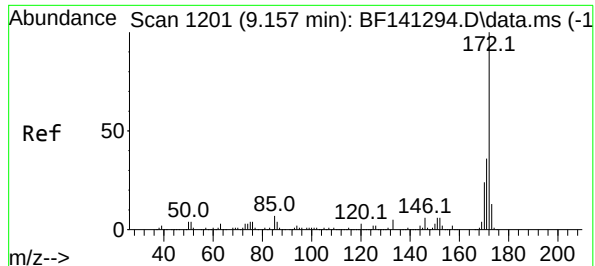
196 100

198 100.3 80.5 120.7

97 54.2 42.8 64.2

132 29.9 23.5 35.3





#45

2-Fluorobiphenyl

Concen: 129.739 ng

RT: 9.163 min Scan# 1202

Delta R.T. 0.000 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

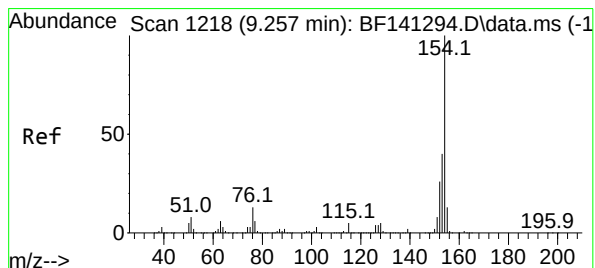
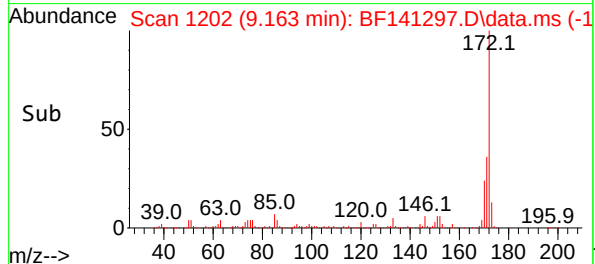
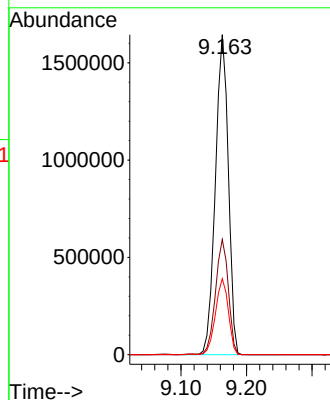
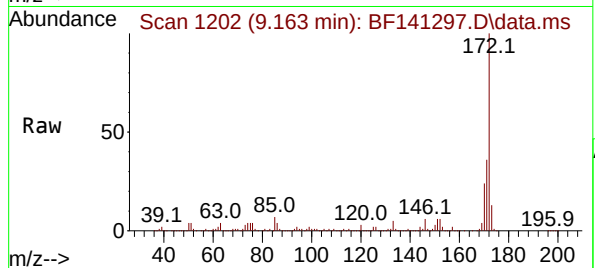
Tgt Ion:172 Resp: 2248567

Ion Ratio Lower Upper

172 100

171 36.0 28.8 43.2

170 23.7 19.0 28.6



#46

1,1'-Biphenyl

Concen: 68.298 ng

RT: 9.263 min Scan# 1219

Delta R.T. 0.000 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

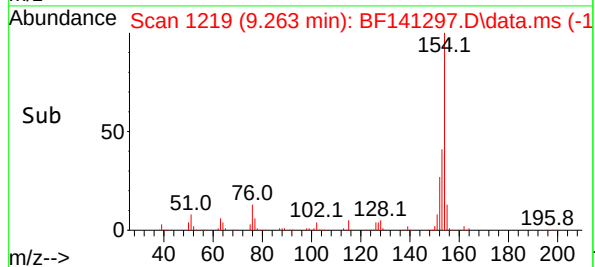
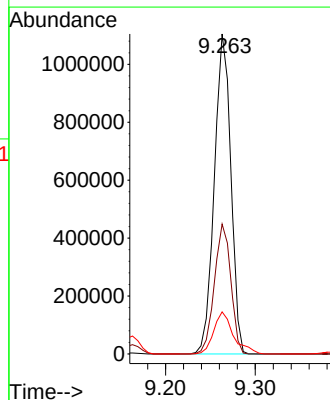
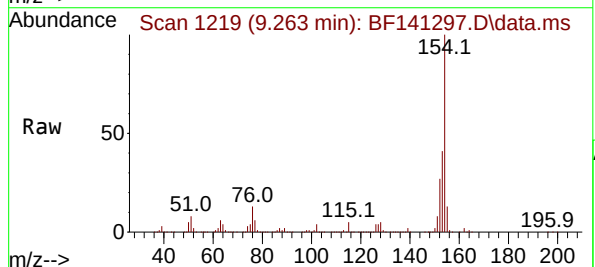
Tgt Ion:154 Resp: 1412015

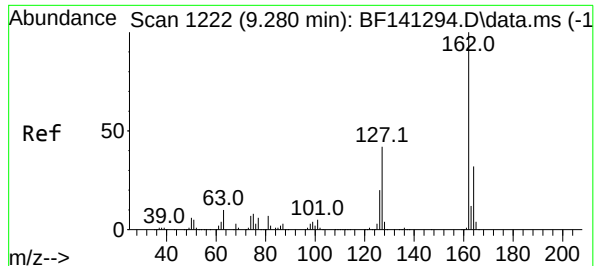
Ion Ratio Lower Upper

154 100

153 40.6 20.0 60.0

76 13.2 0.0 32.8





#47

2-Chloronaphthalene

Concen: 69.578 ng

RT: 9.287 min Scan# 1222

Delta R.T. 0.000 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

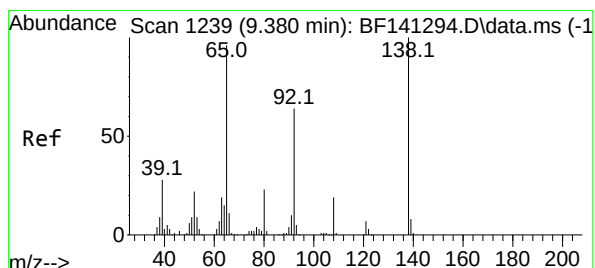
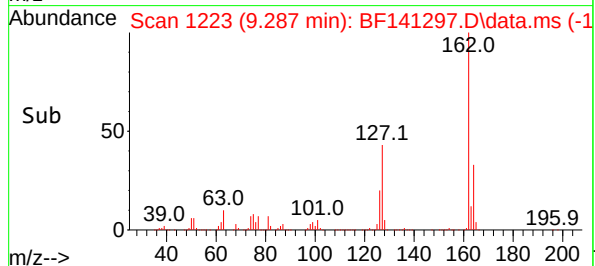
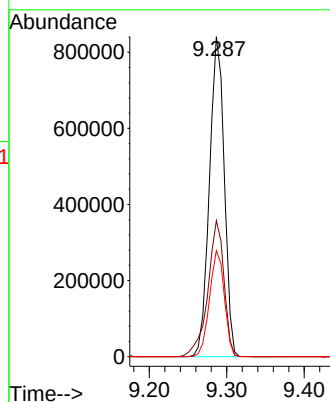
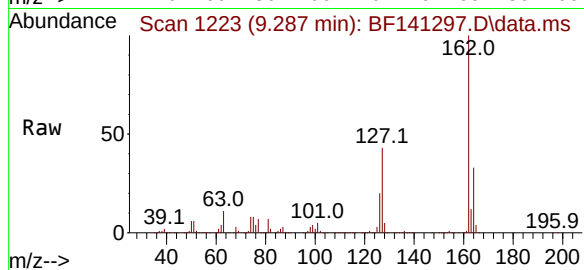
Tgt Ion:162 Resp: 1118593

Ion Ratio Lower Upper

162 100

127 42.5 33.7 50.5

164 33.1 25.9 38.9



#48

2-Nitroaniline

Concen: 75.652 ng

RT: 9.381 min Scan# 1239

Delta R.T. 0.000 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

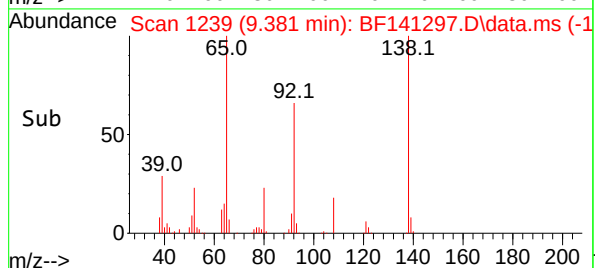
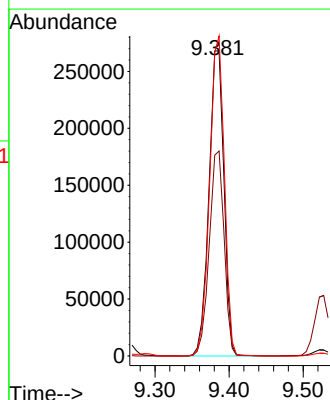
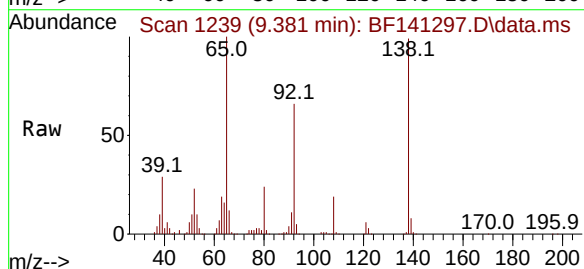
Tgt Ion: 65 Resp: 378379

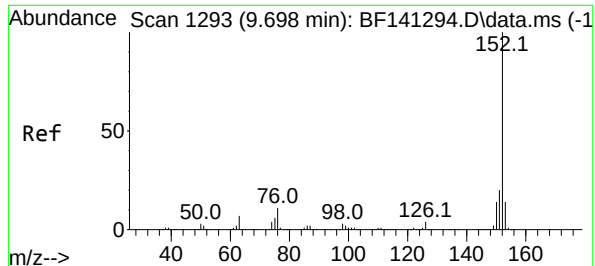
Ion Ratio Lower Upper

65 100

92 65.8 53.3 79.9

138 99.5 83.6 125.4





#49

Acenaphthylene

Concen: 68.901 ng

RT: 9.704 min Scan# 1294

Delta R.T. 0.006 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

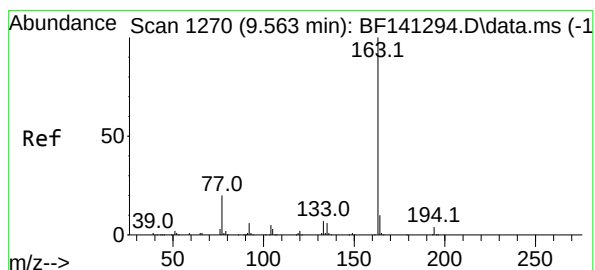
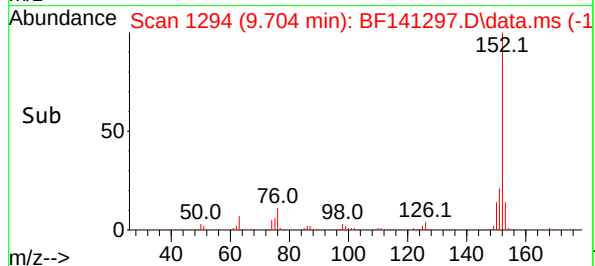
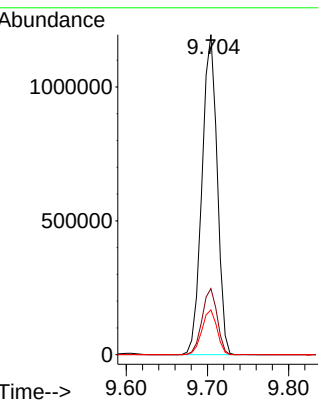
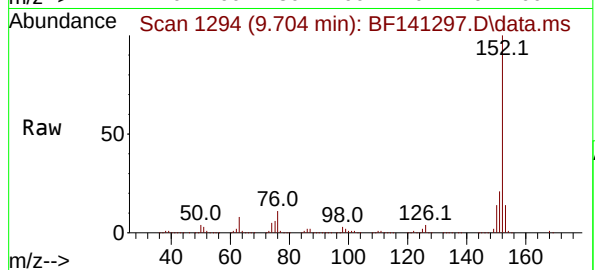
BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:152 Resp: 1552508

Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.2	24.2
153	14.0	11.0	16.6



#50

Dimethylphthalate

Concen: 71.308 ng

RT: 9.569 min Scan# 1271

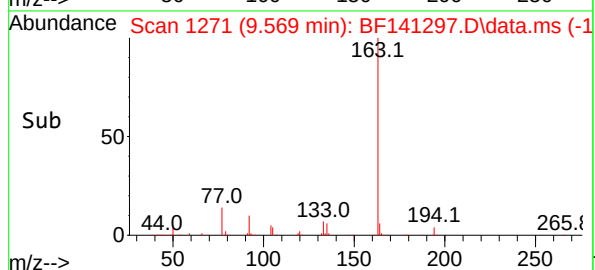
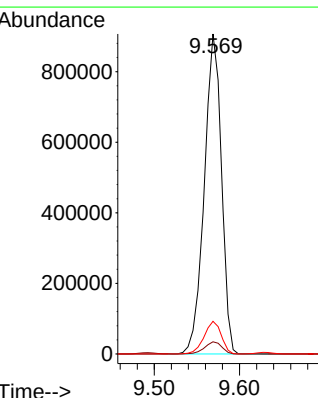
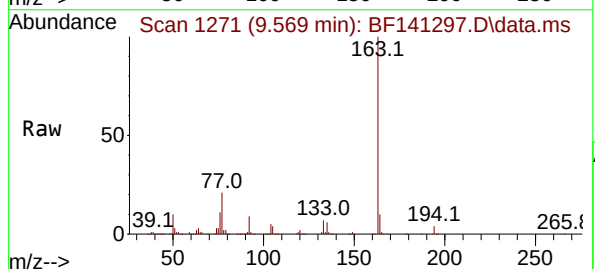
Delta R.T. 0.000 min

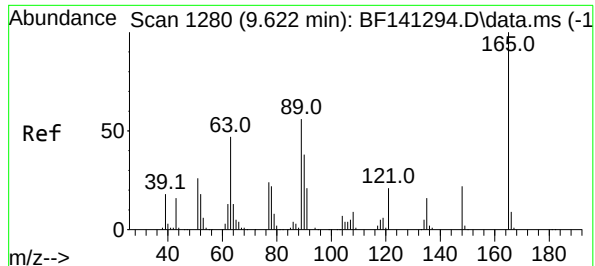
Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Tgt Ion:163 Resp: 1269770

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.6
164	10.2	8.0	12.0

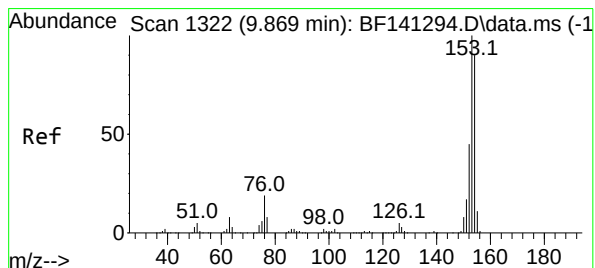
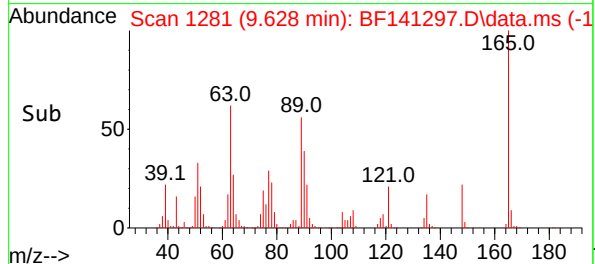
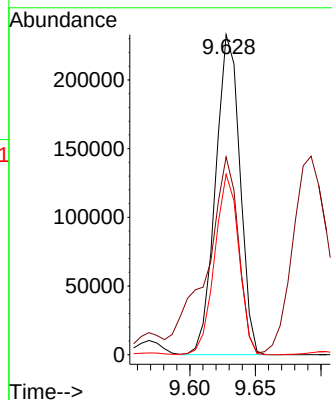
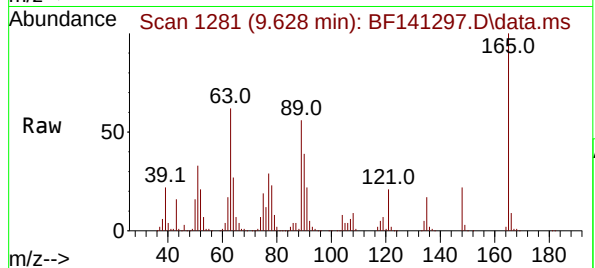




#51
2,6-Dinitrotoluene
Concen: 72.992 ng
RT: 9.628 min Scan# 1280
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

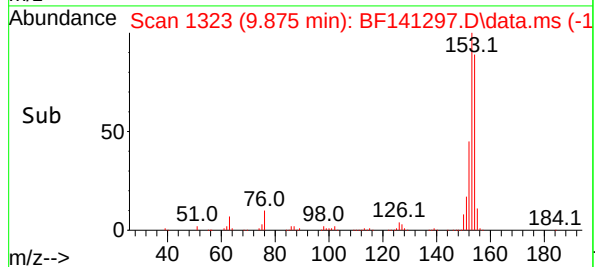
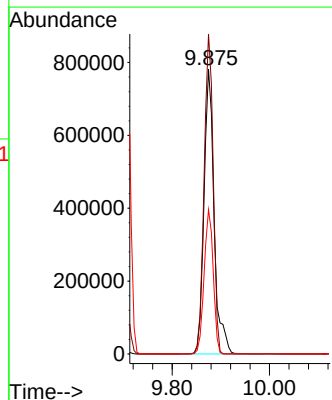
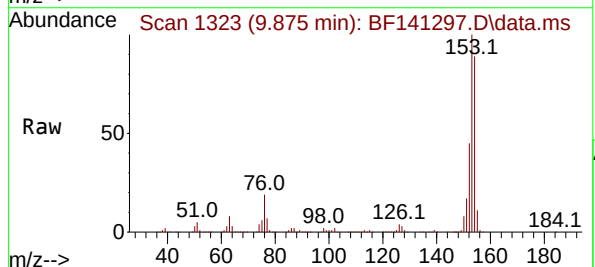
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

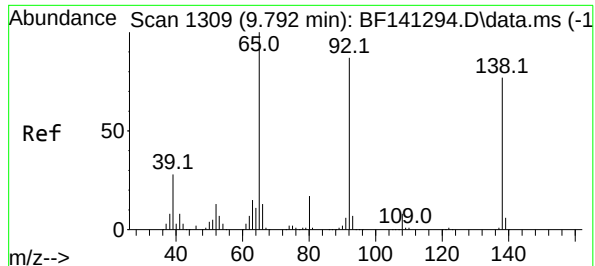
Tgt Ion:165 Resp: 300867
Ion Ratio Lower Upper
165 100
63 61.8 48.1 72.1
89 56.4 44.9 67.3



#52
Acenaphthene
Concen: 69.700 ng
RT: 9.875 min Scan# 1323
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:154 Resp: 1120345
Ion Ratio Lower Upper
154 100
153 112.5 89.0 133.4
152 50.7 40.2 60.4

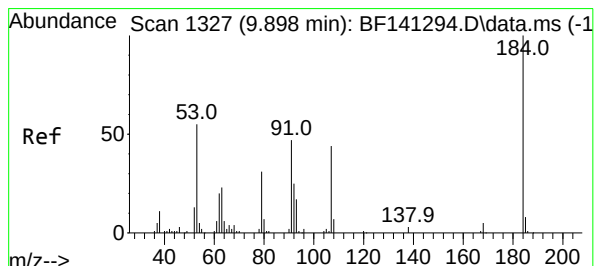
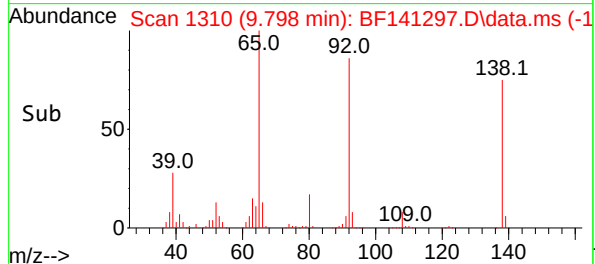
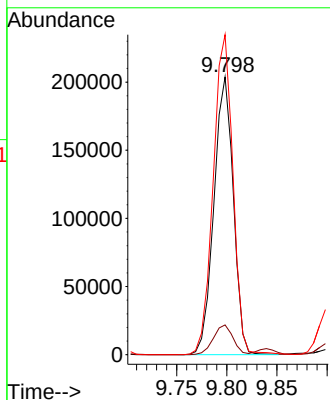
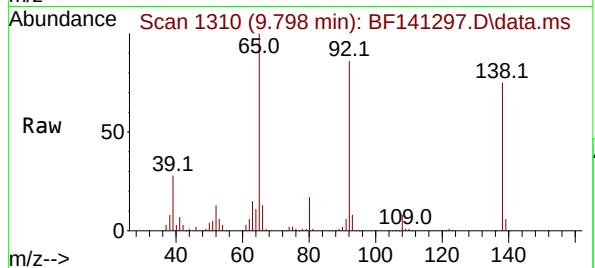




#53
3-Nitroaniline
Concen: 67.215 ng
RT: 9.798 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

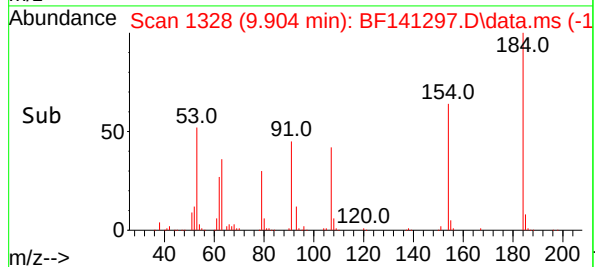
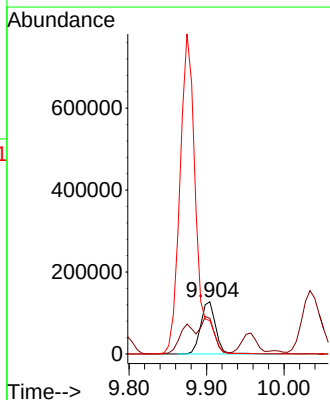
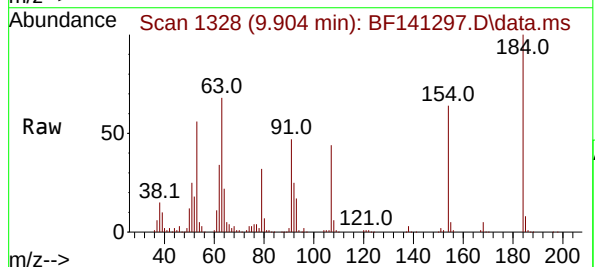
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

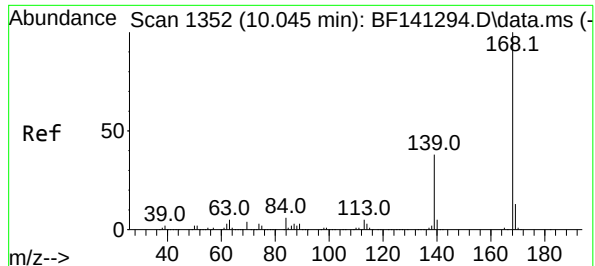
Tgt Ion:138 Resp: 274410
Ion Ratio Lower Upper
138 100
108 10.7 8.6 12.8
92 115.2 91.0 136.6



#54
2,4-Dinitrophenol
Concen: 101.582 ng
RT: 9.904 min Scan# 1328
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:184 Resp: 169946
Ion Ratio Lower Upper
184 100
63 68.3 54.1 81.1
154 64.0 50.7 76.1





#55

Dibenzenofuran

Concen: 67.158 ng

RT: 10.045 min Scan# 1352

Delta R.T. 0.000 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

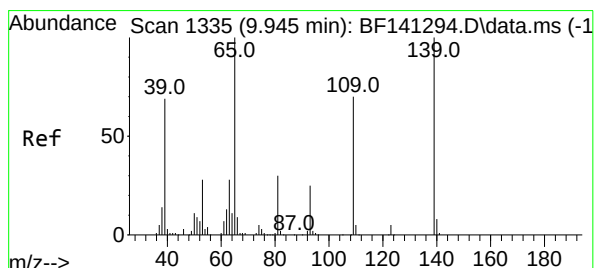
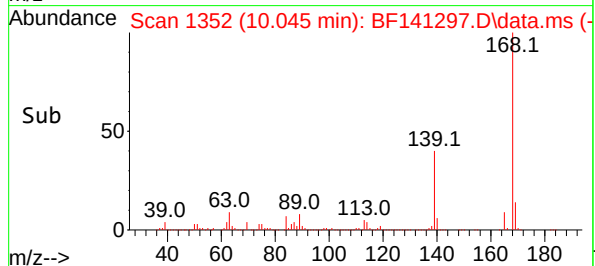
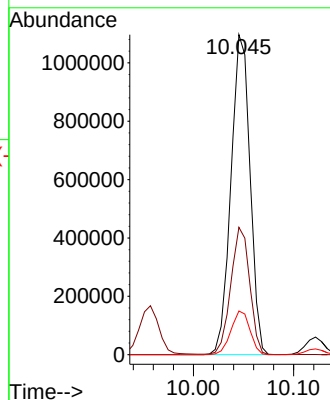
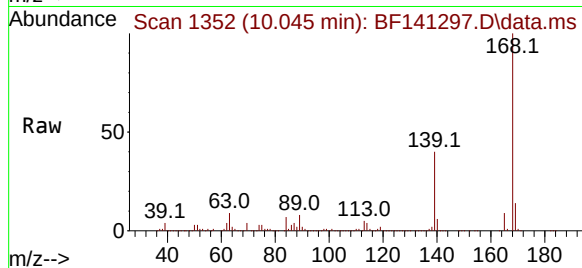
Tgt Ion:168 Resp: 1451668

Ion Ratio Lower Upper

168 100

139 39.8 30.6 46.0

169 13.7 10.8 16.2



#56

4-Nitrophenol

Concen: 78.788 ng

RT: 9.957 min Scan# 1337

Delta R.T. 0.006 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

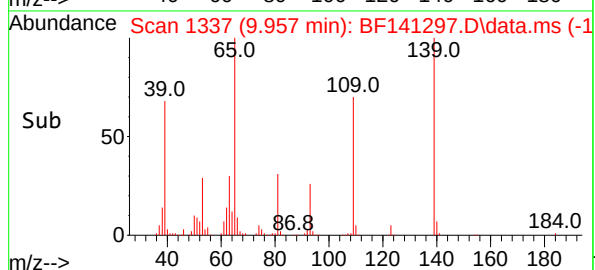
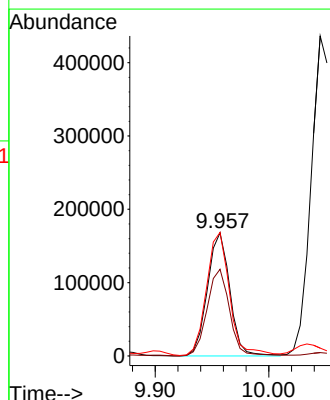
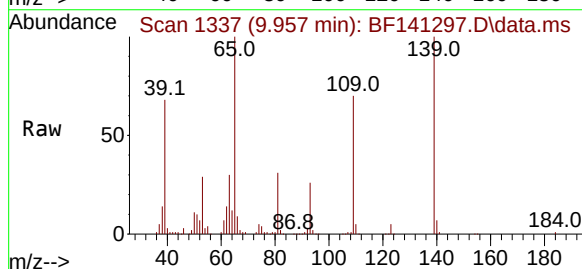
Tgt Ion:139 Resp: 230369

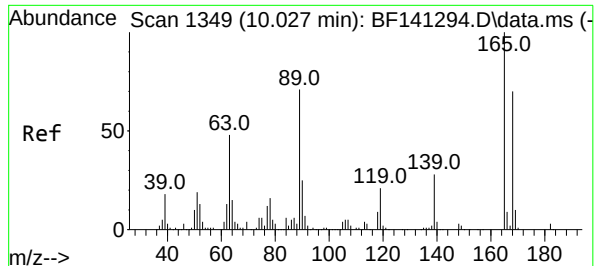
Ion Ratio Lower Upper

139 100

109 70.4 50.2 90.2

65 100.3 80.6 120.6

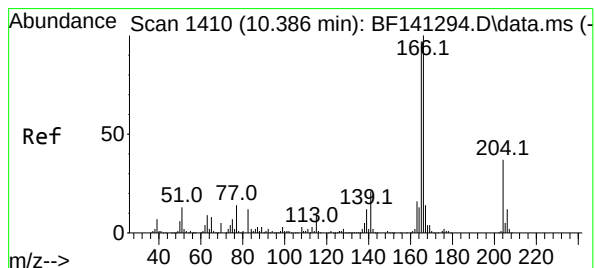
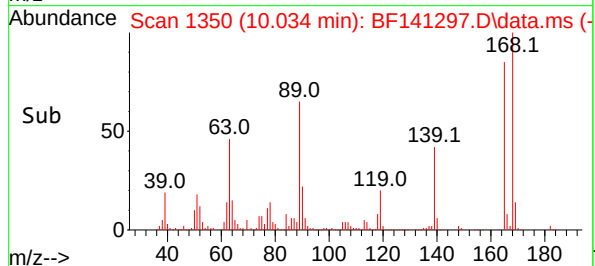
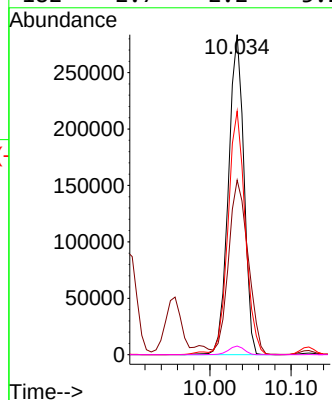
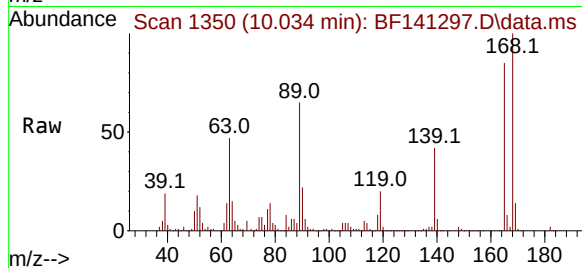




#57
2,4-Dinitrotoluene
Concen: 70.012 ng
RT: 10.034 min Scan# 1410
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

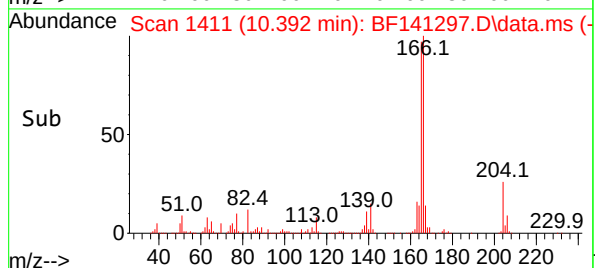
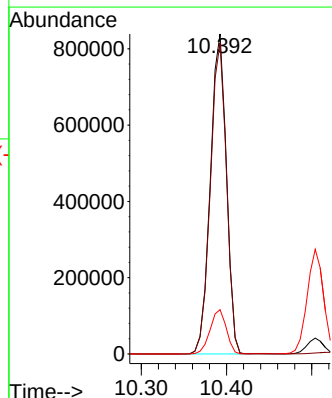
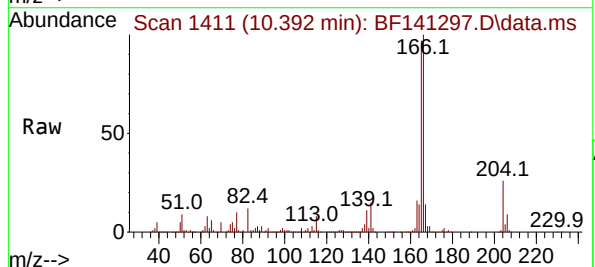
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

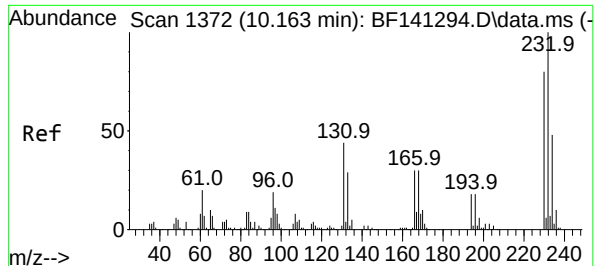
Tgt Ion:165 Resp: 375659
Ion Ratio Lower Upper
165 100
63 54.5 39.2 58.8
89 76.1 56.9 85.3
182 2.7 2.2 3.2



#58
Fluorene
Concen: 65.335 ng
RT: 10.392 min Scan# 1411
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

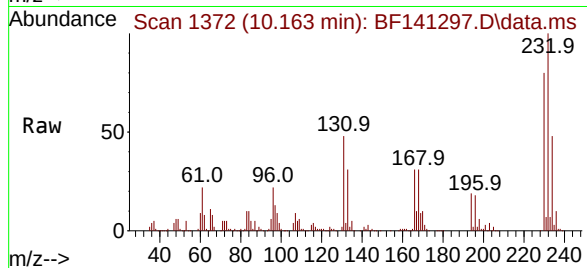
Tgt Ion:166 Resp: 1099129
Ion Ratio Lower Upper
166 100
165 97.2 77.5 116.3
167 13.9 10.9 16.3



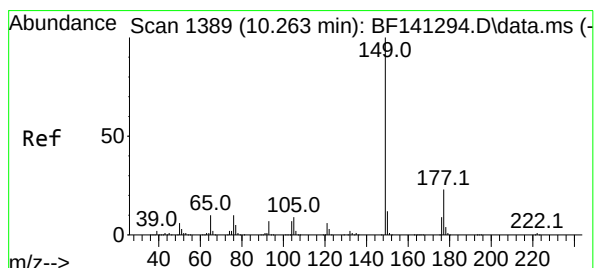
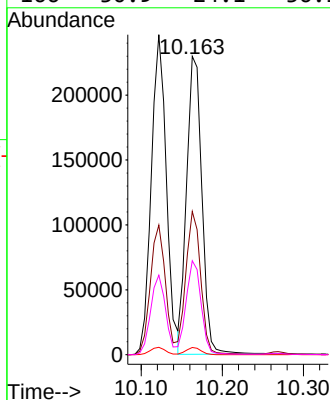
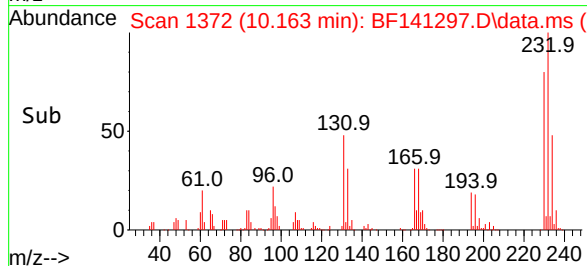


#59
2,3,4,6-Tetrachlorophenol
Concen: 72.005 ng
RT: 10.163 min Scan# 1372
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

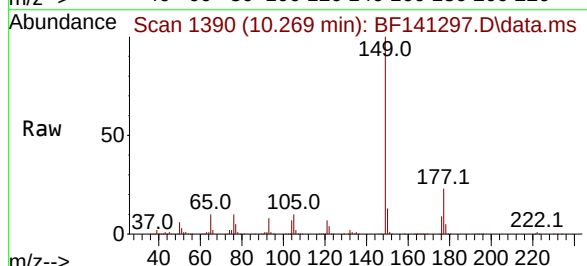
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



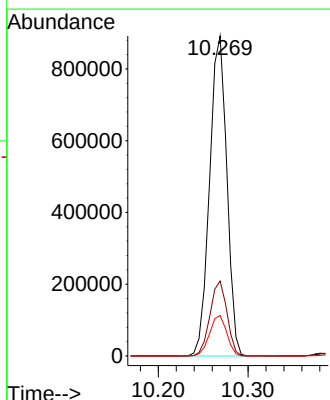
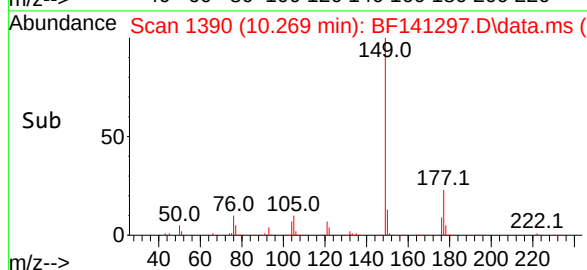
Tgt Ion:232 Resp: 302300
Ion Ratio Lower Upper
232 100
131 47.5 36.4 54.6
130 2.4 1.9 2.9
166 30.9 24.1 36.1

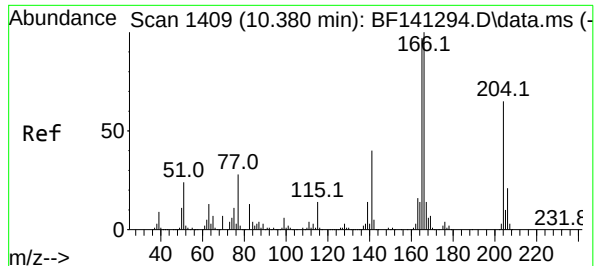


#60
Diethylphthalate
Concen: 68.571 ng
RT: 10.269 min Scan# 1390
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05



Tgt Ion:149 Resp: 1189833
Ion Ratio Lower Upper
149 100
177 23.4 18.5 27.7
150 12.7 10.0 15.0

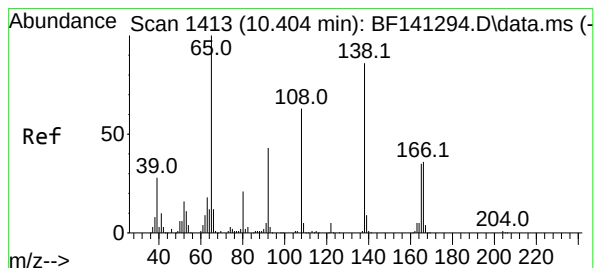
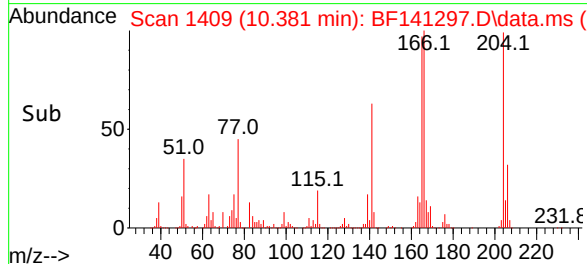
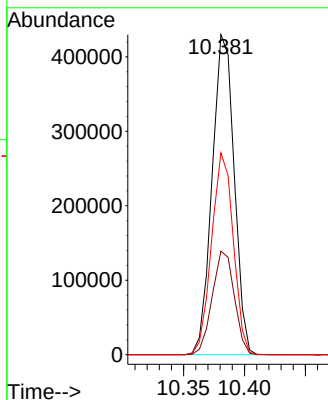
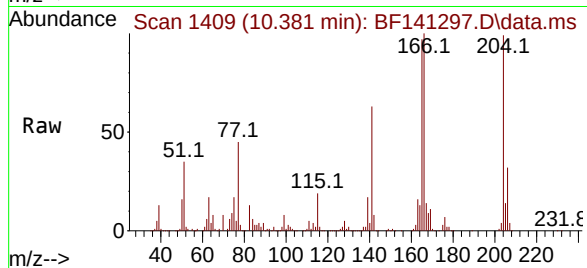




#61
4-Chlorophenyl-phenylether
Concen: 65.968 ng
RT: 10.381 min Scan# 1409
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

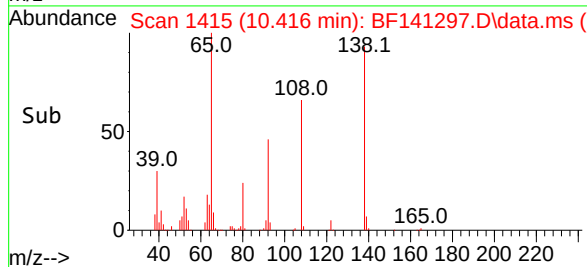
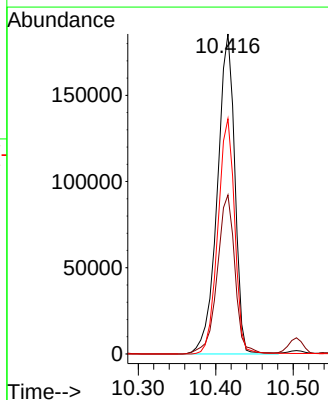
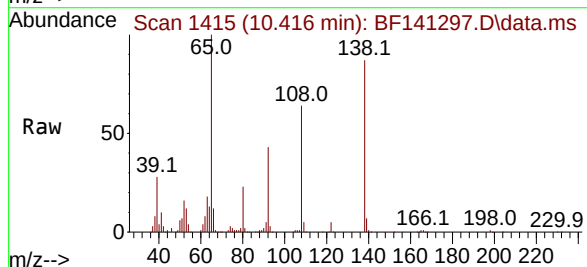
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

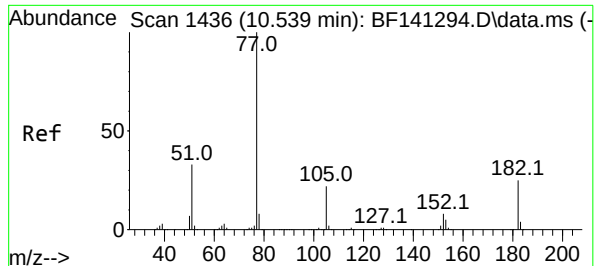
Tgt Ion:204 Resp: 541468
Ion Ratio Lower Upper
204 100
206 32.4 25.9 38.9
141 63.1 49.5 74.3



#62
4-Nitroaniline
Concen: 73.604 ng
RT: 10.416 min Scan# 1415
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:138 Resp: 292019
Ion Ratio Lower Upper
138 100
92 49.7 30.1 70.1
108 73.5 53.1 93.1



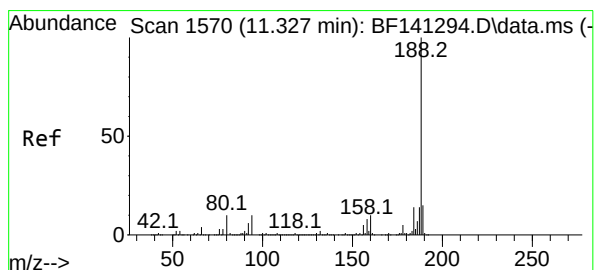
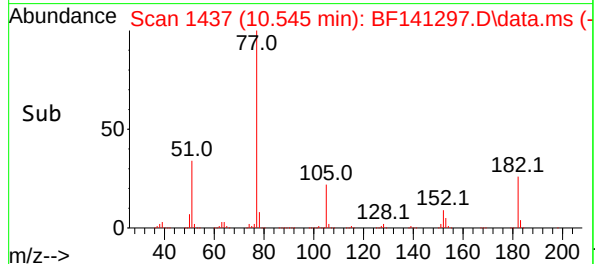
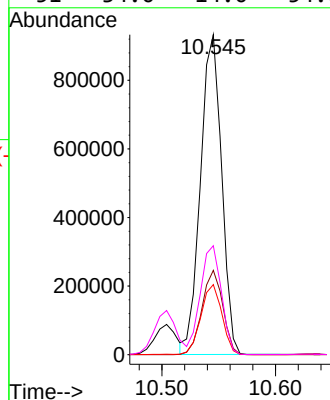
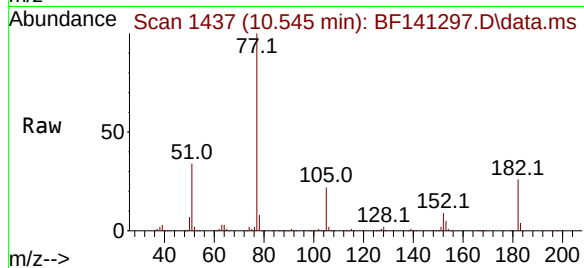


#63
Azobenzene
Concen: 69.582 ng
RT: 10.545 min Scan# 1436
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 77 Resp: 1206328

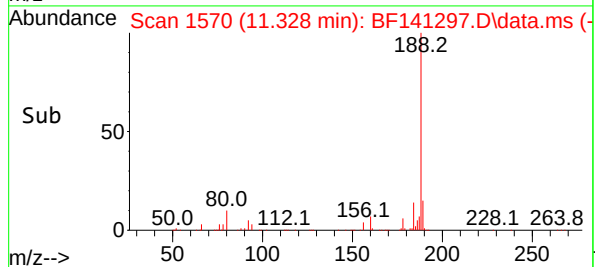
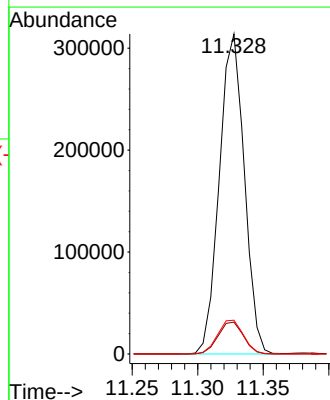
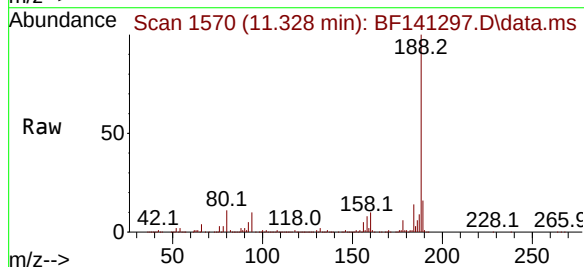
Ion	Ratio	Lower	Upper
77	100		
182	26.3	5.1	45.1
105	21.9	1.8	41.8
51	34.0	14.0	54.0

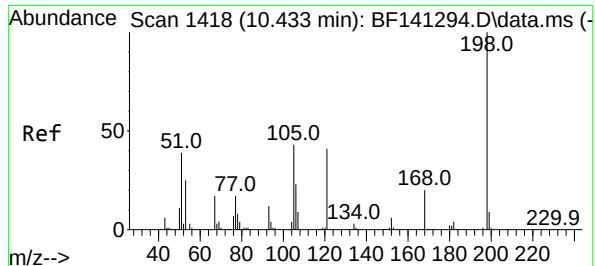


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.328 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion: 188 Resp: 415634

Ion	Ratio	Lower	Upper
188	100		
94	10.0	7.8	11.6
80	10.6	8.2	12.4

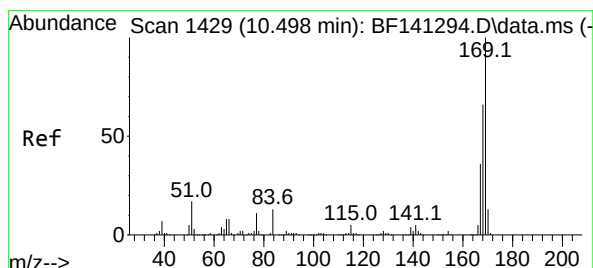
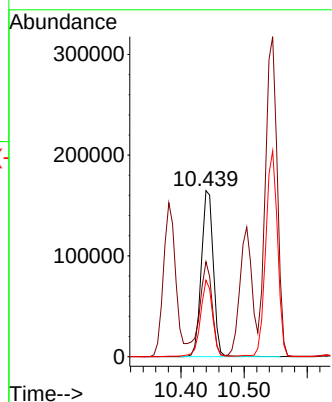
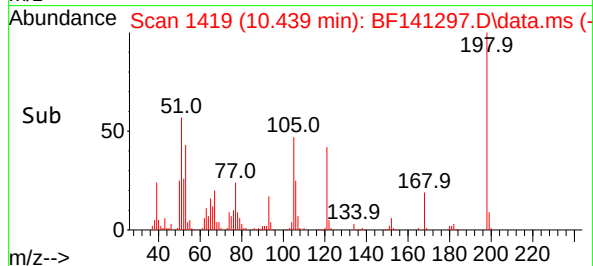
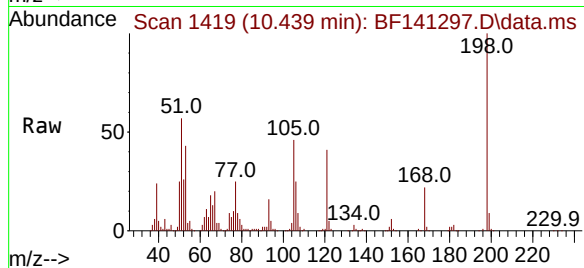




#65
4,6-Dinitro-2-methylphenol
Concen: 89.943 ng
RT: 10.439 min Scan# 1418
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

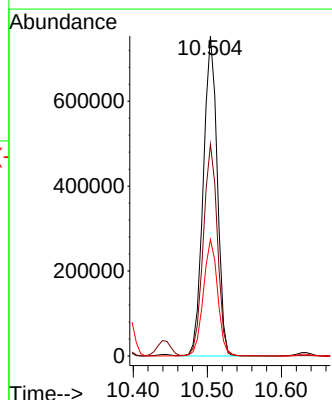
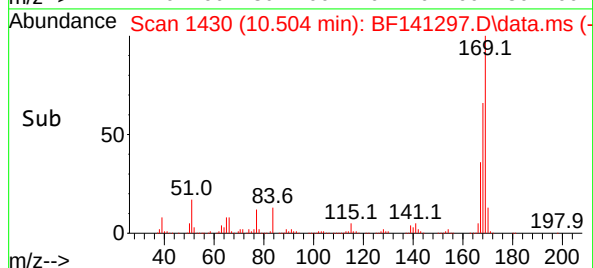
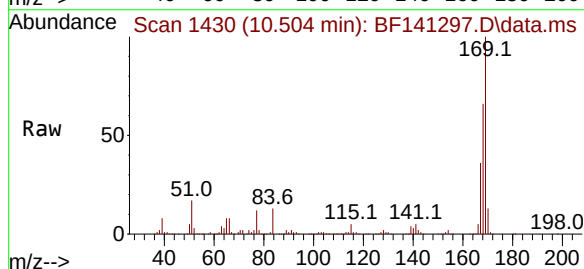
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

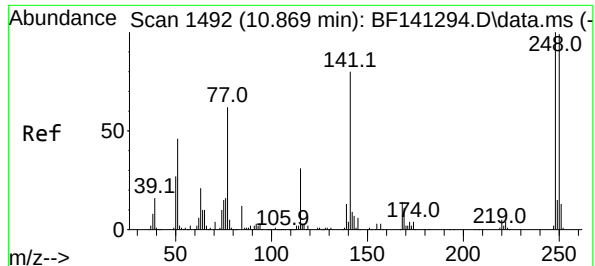
Tgt Ion:198 Resp: 217265
Ion Ratio Lower Upper
198 100
51 57.1 33.4 73.4
105 46.0 24.4 64.4



#66
n-Nitrosodiphenylamine
Concen: 72.353 ng
RT: 10.504 min Scan# 1430
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:169 Resp: 986121
Ion Ratio Lower Upper
169 100
168 66.2 53.0 79.4
167 36.4 28.8 43.2

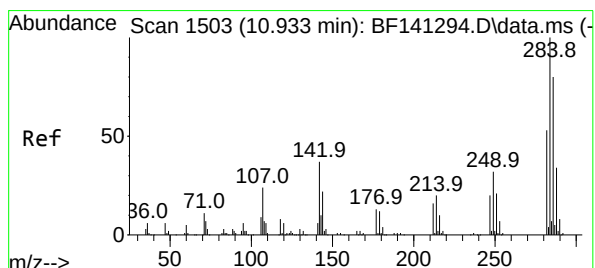
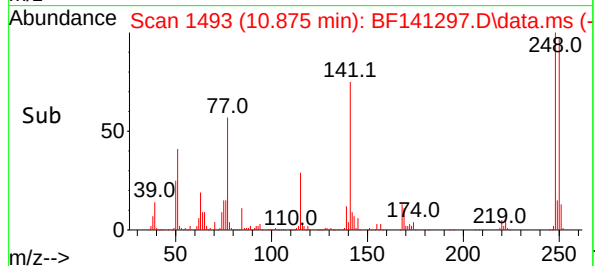
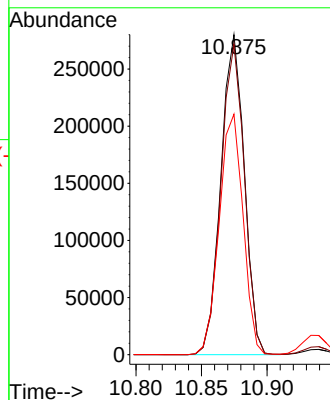
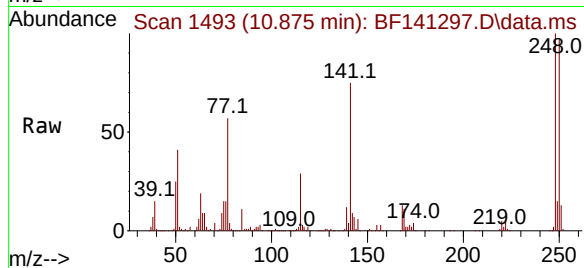




#67
4-Bromophenyl-phenylether
Concen: 74.136 ng
RT: 10.875 min Scan# 1493
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

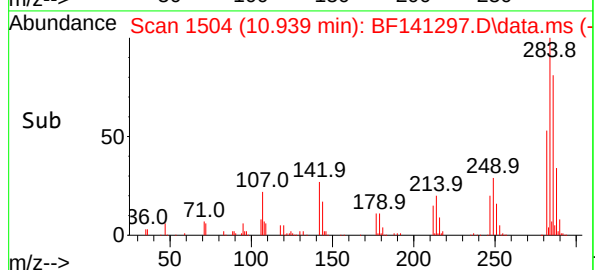
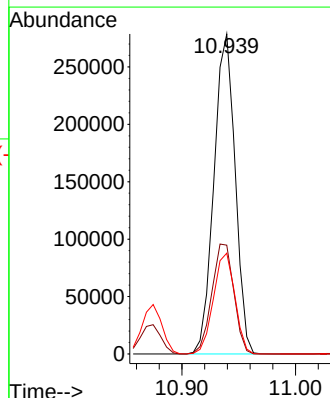
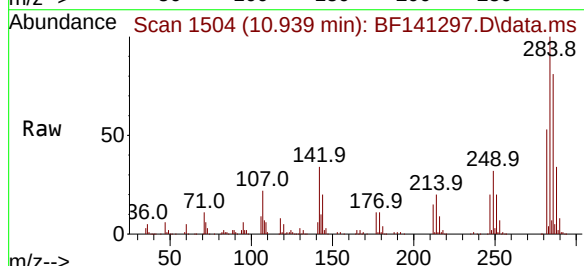
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

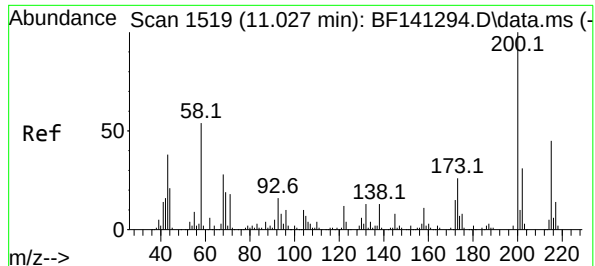
Tgt Ion:248 Resp: 348615
Ion Ratio Lower Upper
248 100
250 97.0 79.0 118.4
141 75.1 63.7 95.5



#68
Hexachlorobenzene
Concen: 72.215 ng
RT: 10.939 min Scan# 1504
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:284 Resp: 361469
Ion Ratio Lower Upper
284 100
142 34.0 29.5 44.3
249 31.5 25.4 38.2

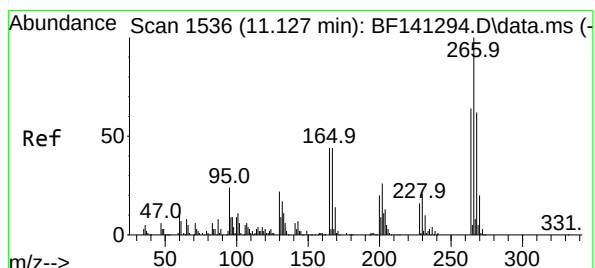
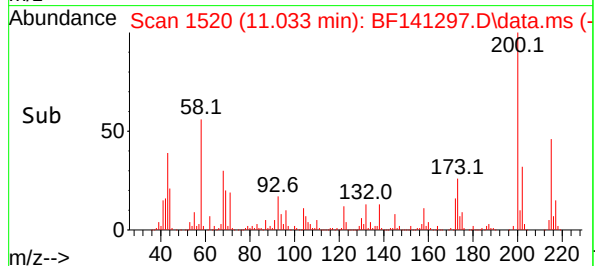
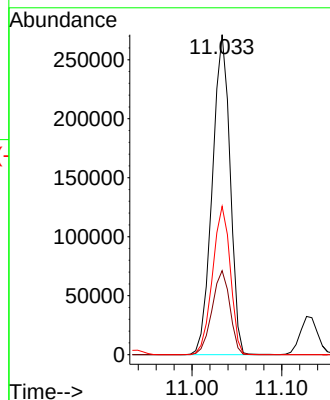
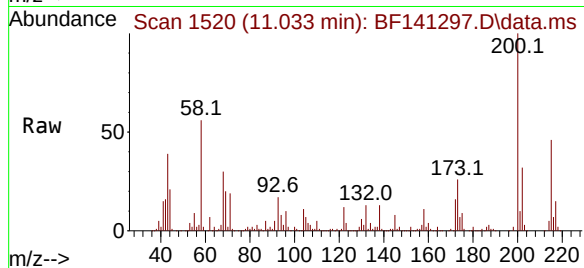




#69
Atrazine
Concen: 83.452 ng
RT: 11.033 min Scan# 1520
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

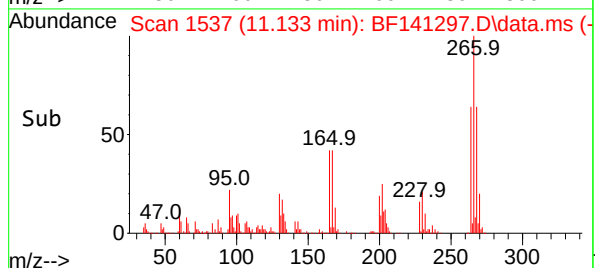
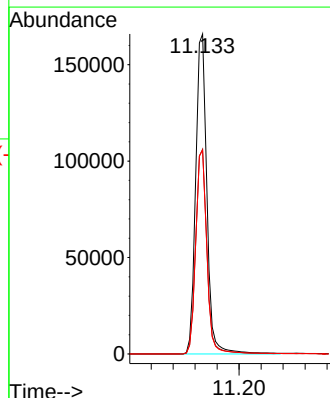
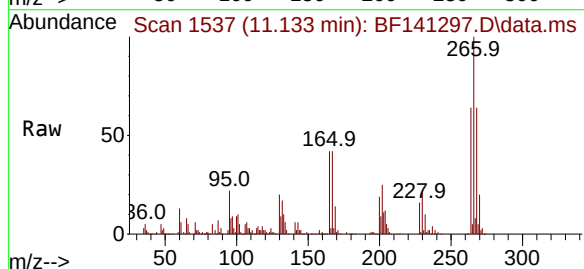
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

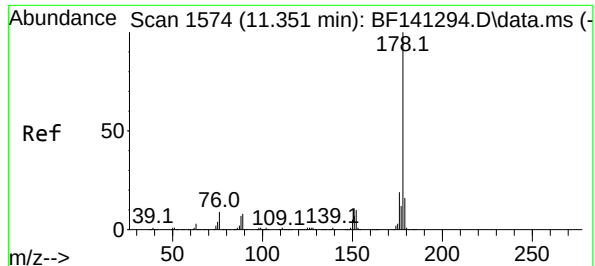
Tgt Ion:200 Resp: 372792
Ion Ratio Lower Upper
200 100
173 26.2 5.9 45.9
215 46.4 25.2 65.2



#70
Pentachlorophenol
Concen: 81.539 ng
RT: 11.133 min Scan# 1537
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:266 Resp: 235030
Ion Ratio Lower Upper
266 100
268 64.0 49.9 74.9
264 63.7 51.0 76.4

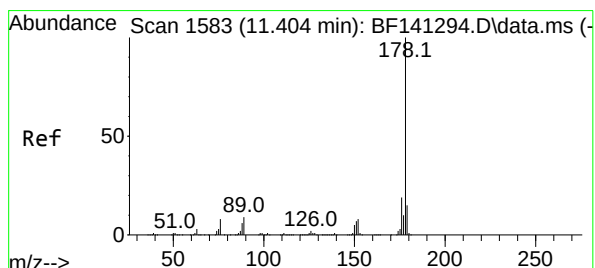
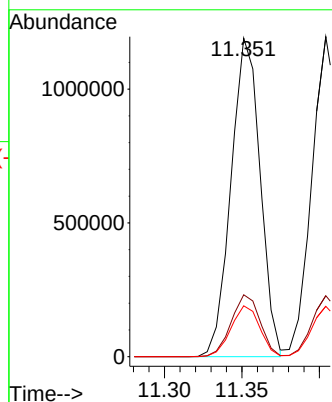
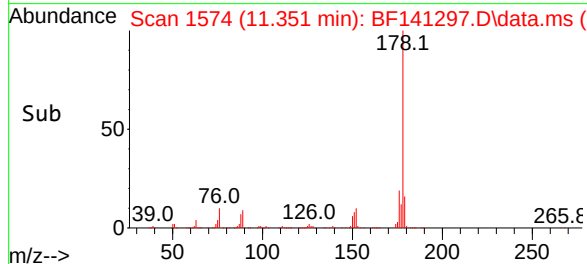
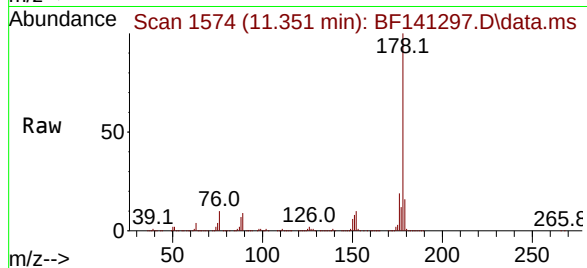




#71
Phenanthrene
Concen: 68.257 ng
RT: 11.351 min Scan# 1574
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

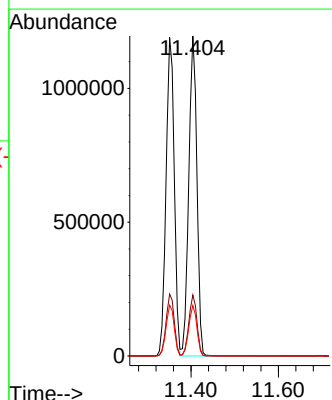
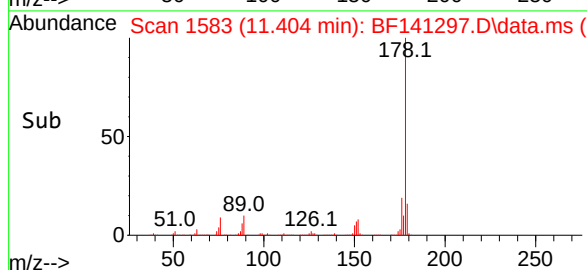
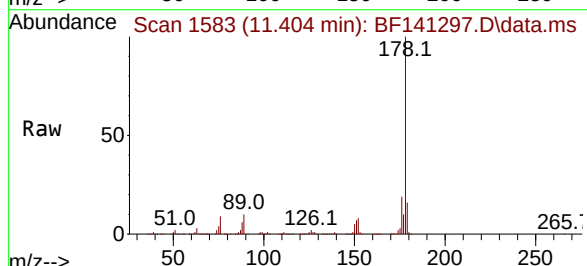
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

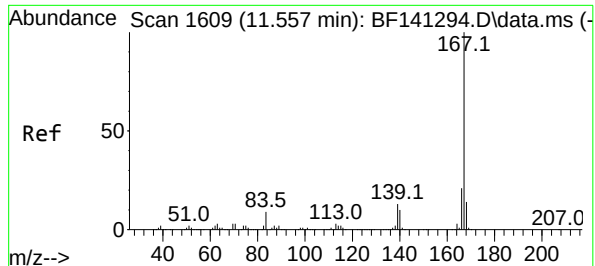
Tgt Ion:178 Resp: 1557660
Ion Ratio Lower Upper
178 100
176 19.5 15.3 22.9
179 16.0 12.5 18.7



#72
Anthracene
Concen: 68.749 ng
RT: 11.404 min Scan# 1583
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:178 Resp: 1535860
Ion Ratio Lower Upper
178 100
176 19.1 15.0 22.6
179 15.8 12.3 18.5

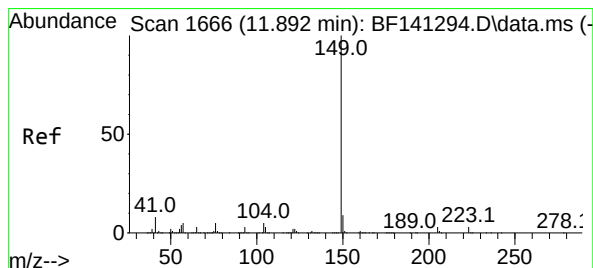
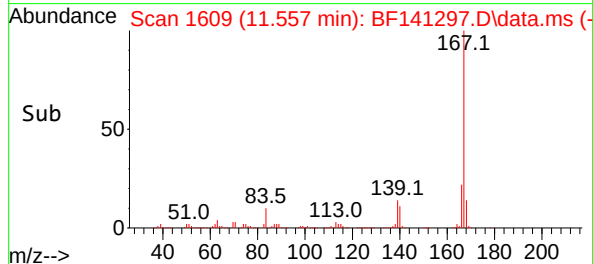
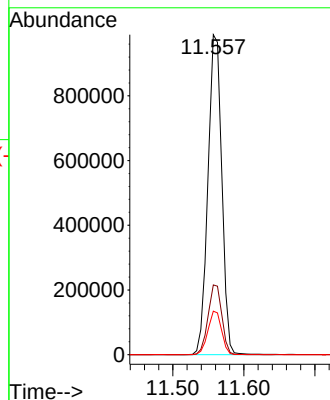
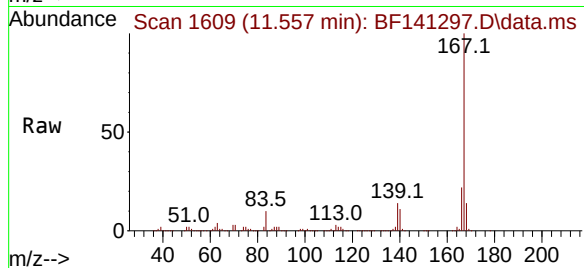




#73
Carbazole
Concen: 67.630 ng
RT: 11.557 min Scan# 1609
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

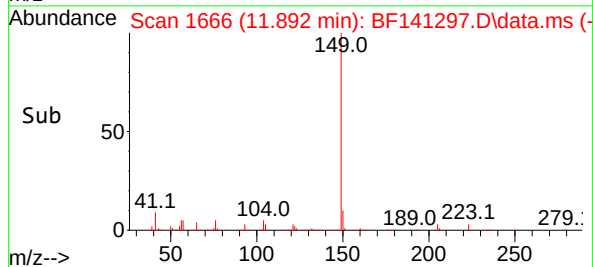
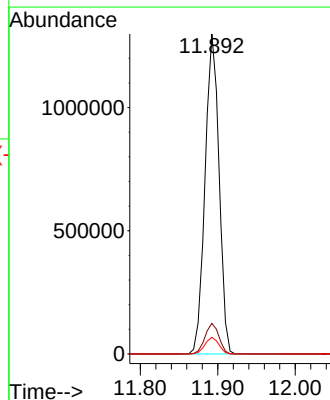
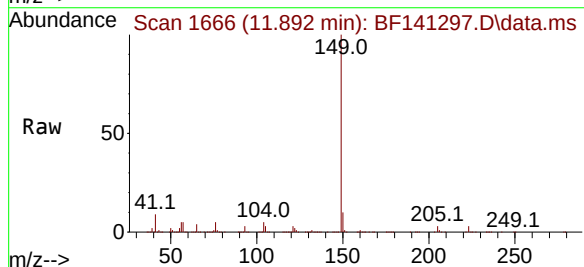
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

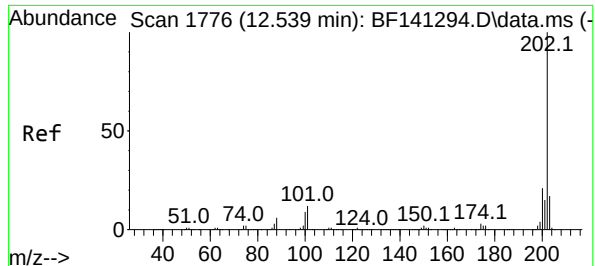
Tgt Ion:167 Resp: 1342447
Ion Ratio Lower Upper
167 100
166 21.8 17.0 25.6
139 13.6 10.6 16.0



#74
Di-n-butylphthalate
Concen: 67.604 ng
RT: 11.892 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:149 Resp: 1626342
Ion Ratio Lower Upper
149 100
150 9.6 7.4 11.2
104 5.2 3.9 5.9

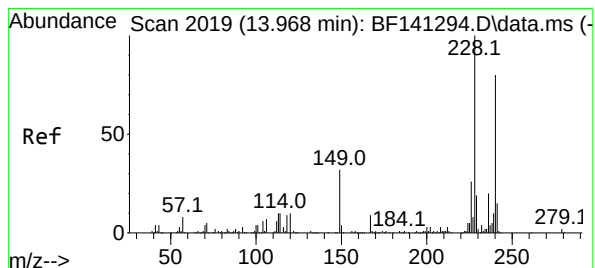
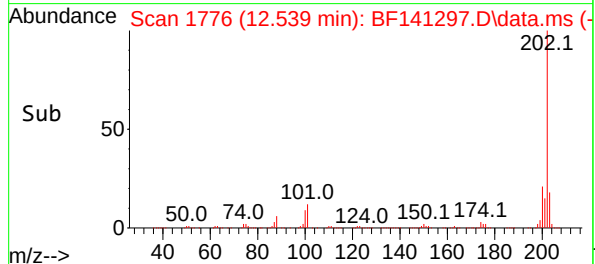
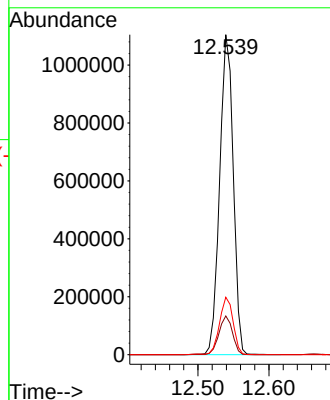
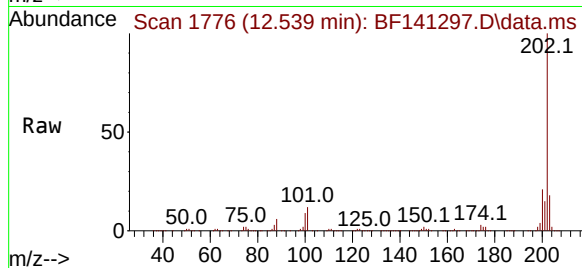




#75
Fluoranthene
Concen: 64.490 ng
RT: 12.539 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

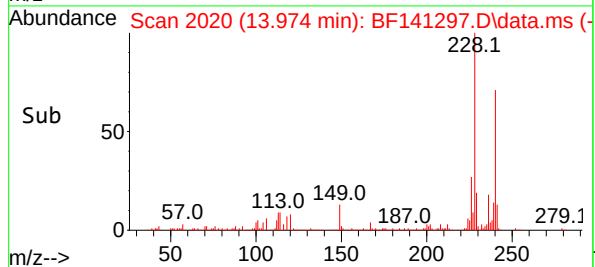
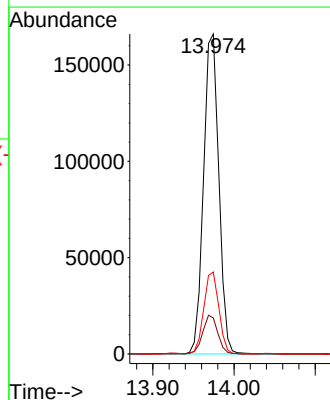
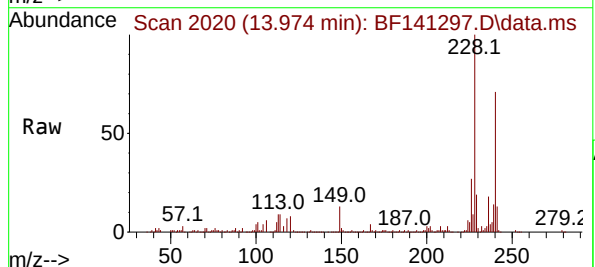
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

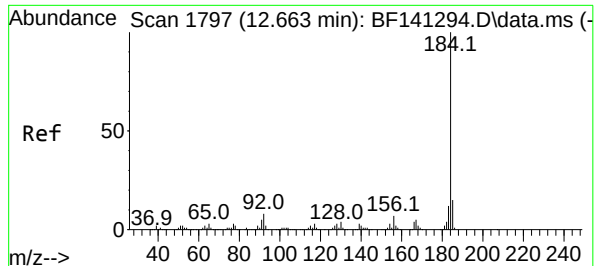
Tgt Ion:202 Resp: 1463196
Ion Ratio Lower Upper
202 100
101 12.1 0.0 31.7
203 18.0 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:240 Resp: 216592
Ion Ratio Lower Upper
240 100
120 11.2 10.0 15.0
236 25.6 19.7 29.5

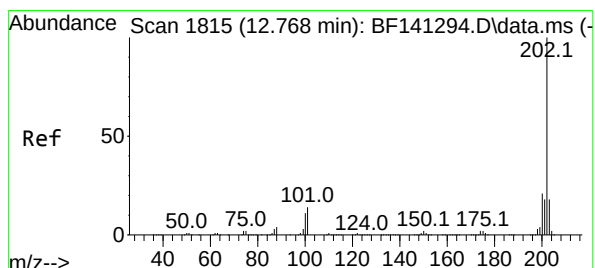
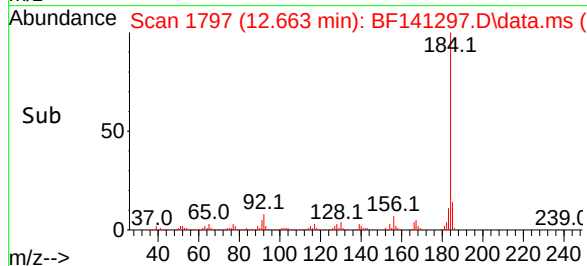
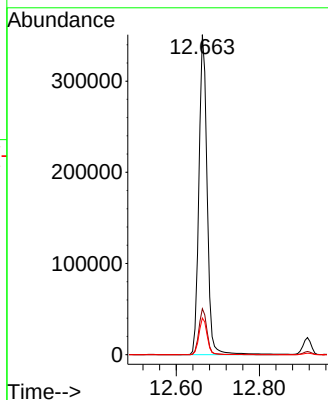
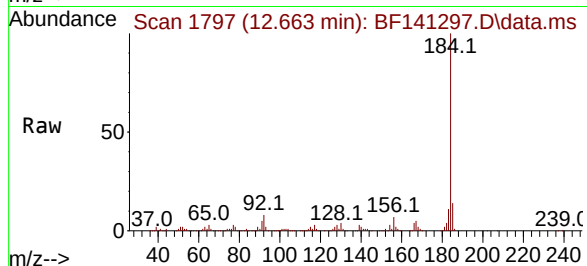




#77
Benzidine
Concen: 67.834 ng
RT: 12.663 min Scan# 1797
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

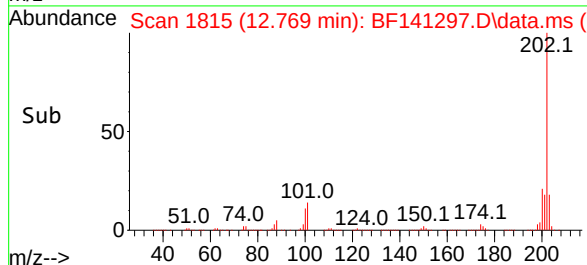
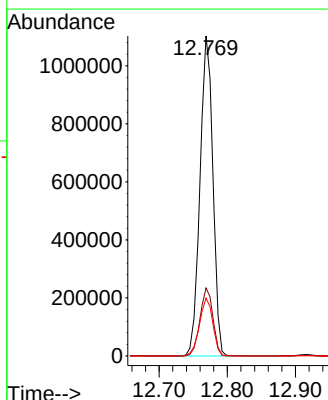
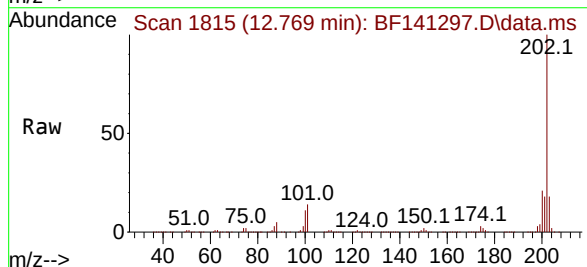
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

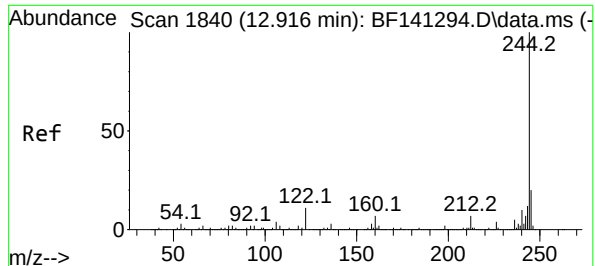
Tgt Ion:184 Resp: 481470
Ion Ratio Lower Upper
184 100
185 14.3 11.9 17.9
183 11.5 9.5 14.3



#78
Pyrene
Concen: 68.287 ng
RT: 12.769 min Scan# 1815
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

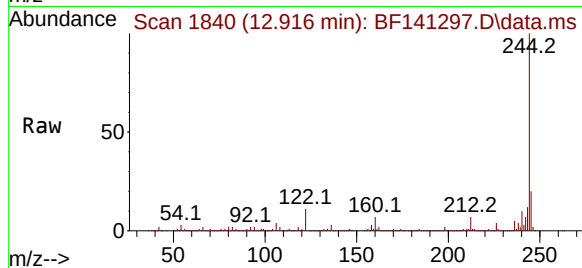
Tgt Ion:202 Resp: 1450076
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.4
203 18.0 14.3 21.5



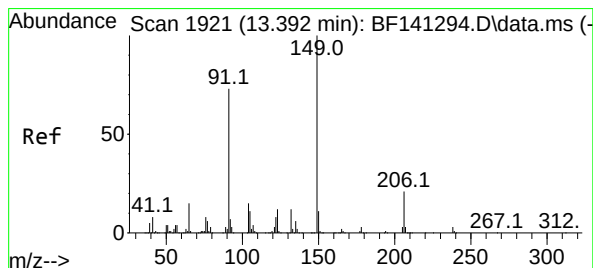
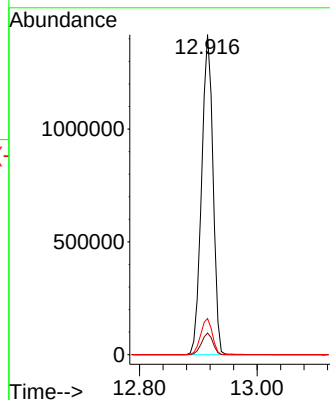
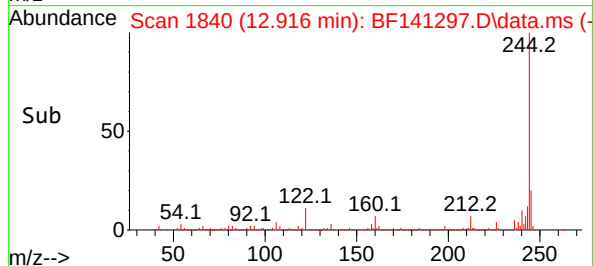


#79
Terphenyl-d14
Concen: 132.741 ng
RT: 12.916 min Scan# 1840
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

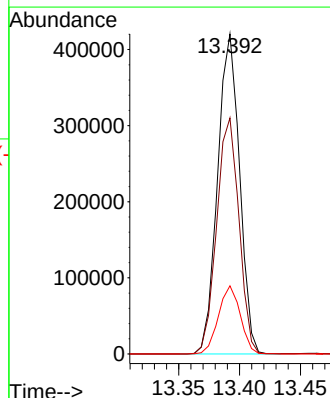
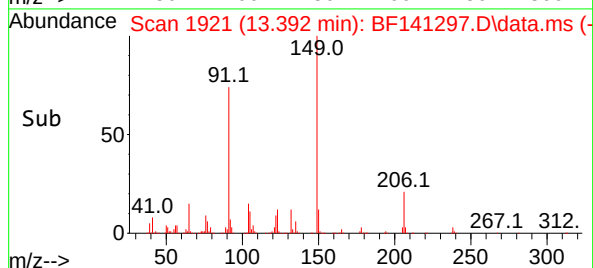
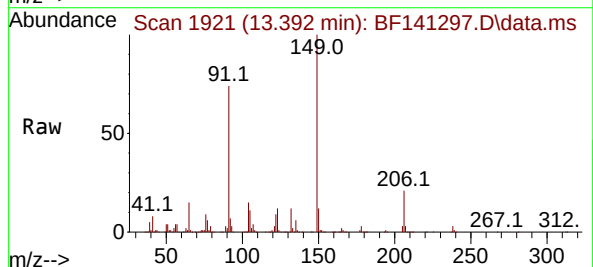


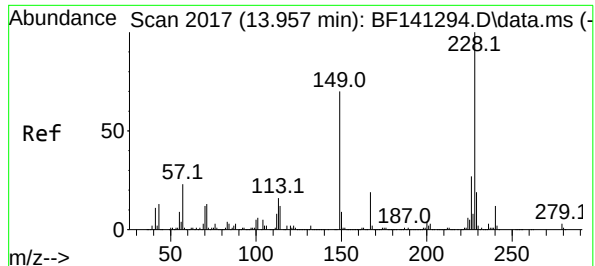
Tgt Ion:244 Resp: 1910783
Ion Ratio Lower Upper
244 100
212 6.7 5.4 8.0
122 11.3 8.8 13.2



#80
Butylbenzylphthalate
Concen: 71.721 ng
RT: 13.392 min Scan# 1921
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:149 Resp: 528754
Ion Ratio Lower Upper
149 100
91 73.8 58.6 87.8
206 21.3 16.7 25.1

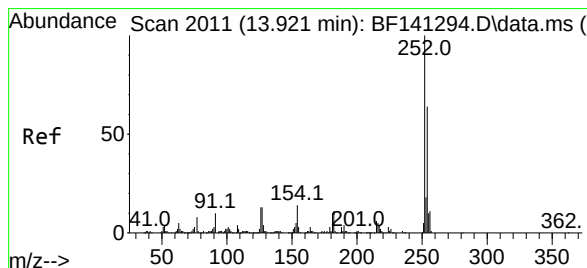
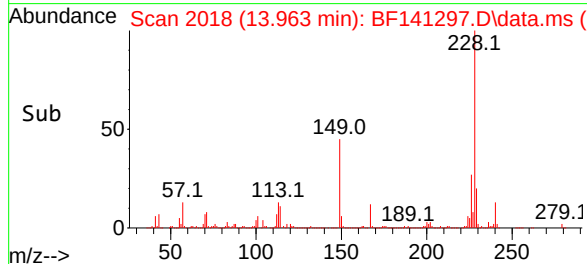
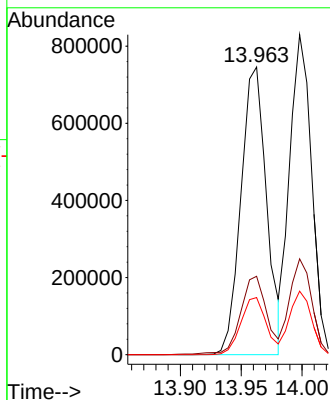
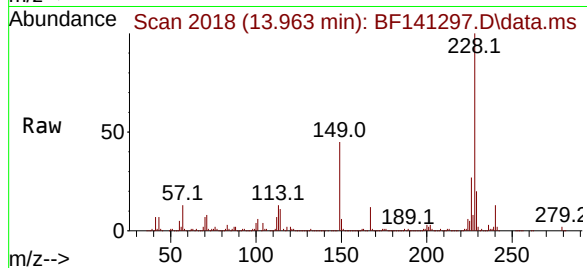




#81
Benzo(a)anthracene
Concen: 72.323 ng
RT: 13.963 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

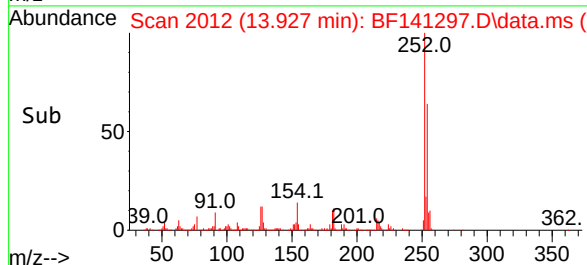
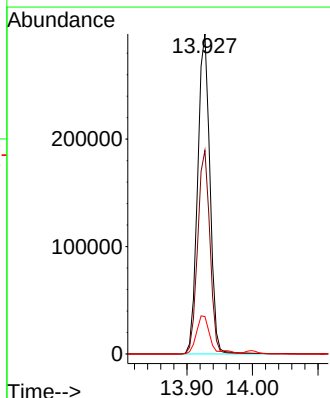
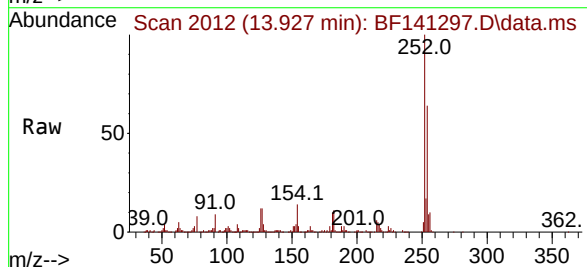
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

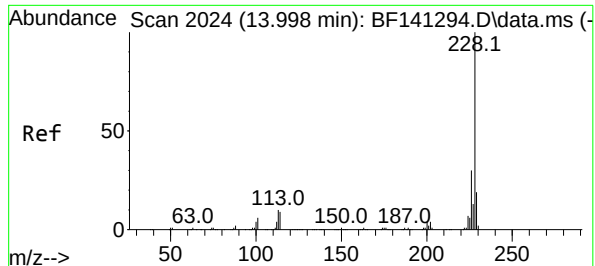
Tgt Ion:228 Resp: 1095972
Ion Ratio Lower Upper
228 100
226 27.2 21.4 32.2
229 19.8 15.5 23.3



#82
3,3'-Dichlorobenzidine
Concen: 82.157 ng
RT: 13.927 min Scan# 2012
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:252 Resp: 389044
Ion Ratio Lower Upper
252 100
254 63.6 51.3 76.9
126 11.7 10.0 15.0

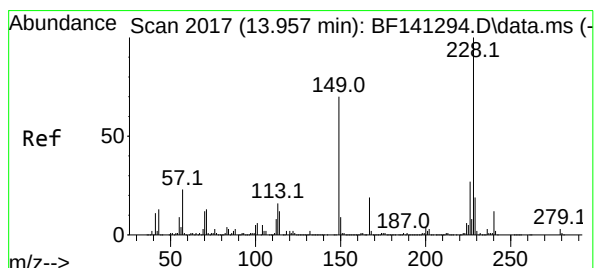
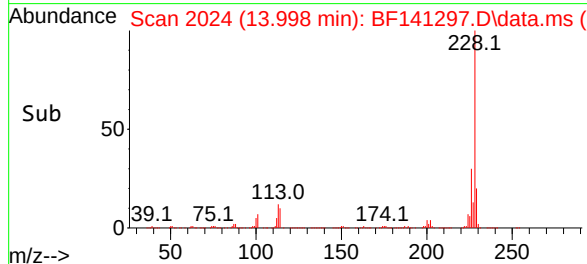
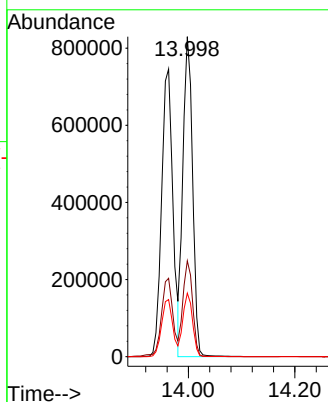
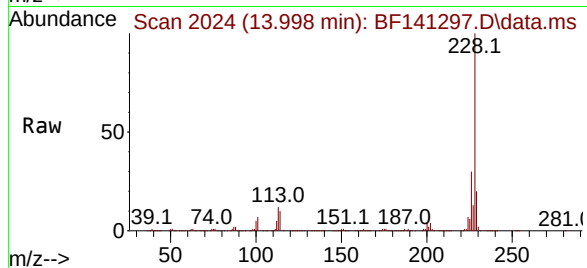




#83
Chrysene
Concen: 75.964 ng
RT: 13.998 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

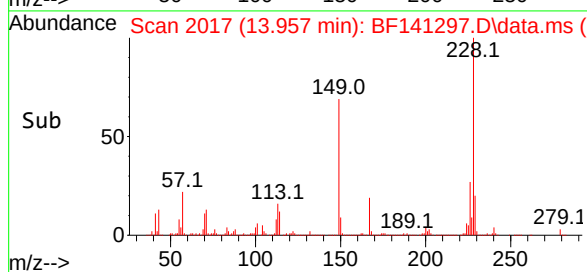
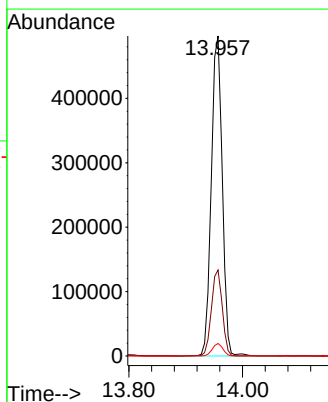
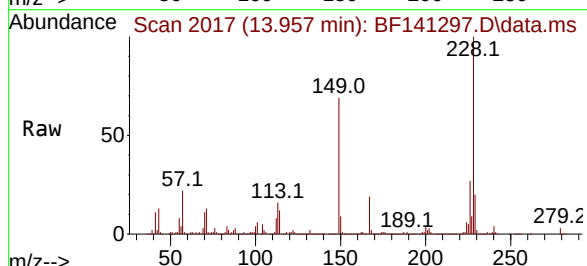
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

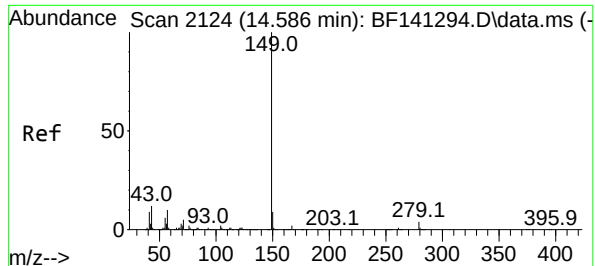
Tgt Ion:228 Resp: 1048083
Ion Ratio Lower Upper
228 100
226 30.0 24.1 36.1
229 19.9 15.6 23.4



#84
Bis(2-ethylhexyl)phthalate
Concen: 70.666 ng
RT: 13.957 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:149 Resp: 662151
Ion Ratio Lower Upper
149 100
167 26.8 21.8 32.8
279 3.9 3.3 4.9

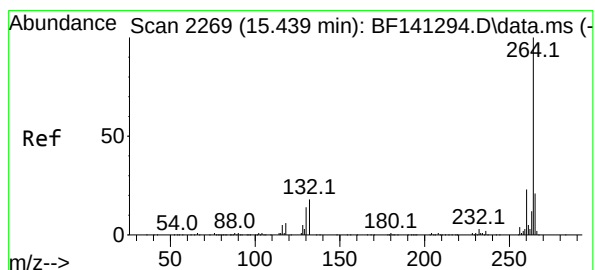
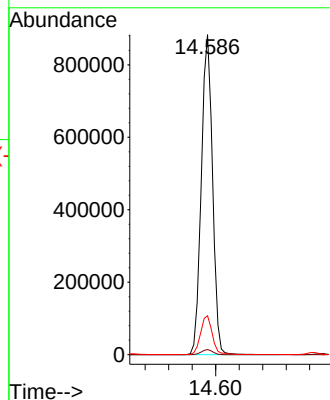
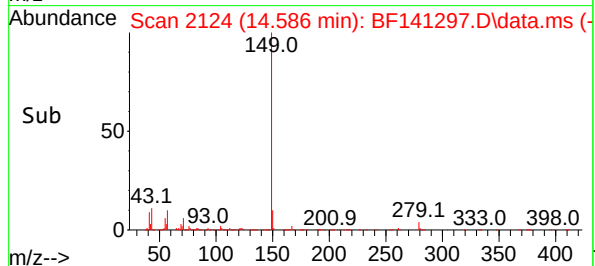
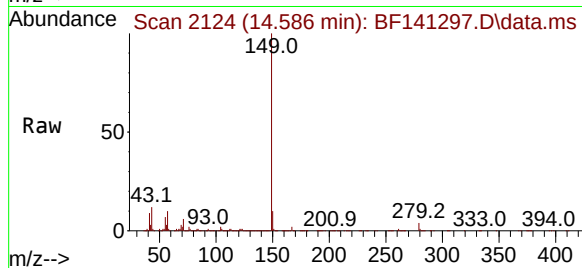




#85
Di-n-octyl phthalate
Concen: 82.148 ng
RT: 14.586 min Scan# 2124
Delta R.T. -0.012 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

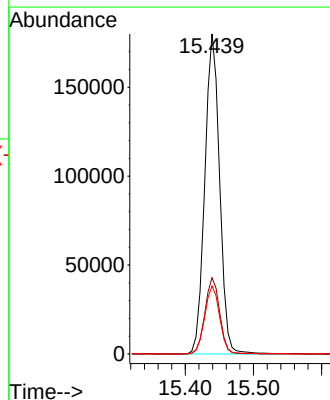
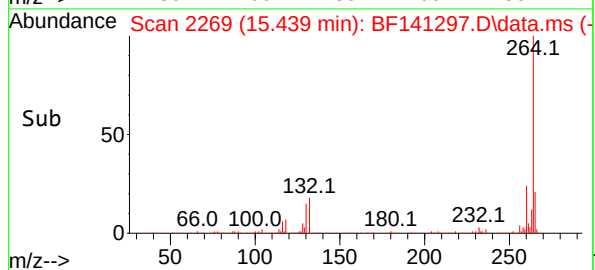
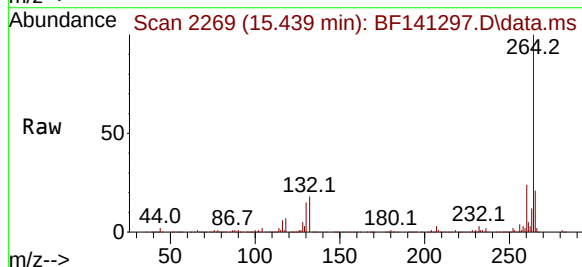
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

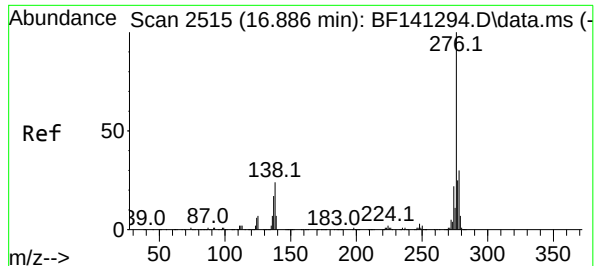
Tgt Ion:149 Resp: 1171131
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 12.7 9.8 14.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2269
Delta R.T. -0.012 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:264 Resp: 271797
Ion Ratio Lower Upper
264 100
260 23.8 18.6 27.8
265 21.3 16.7 25.1

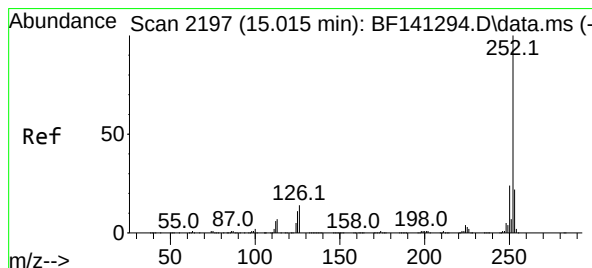
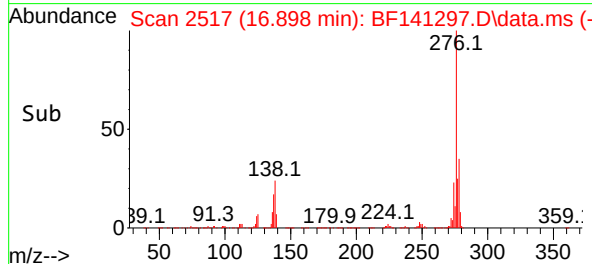
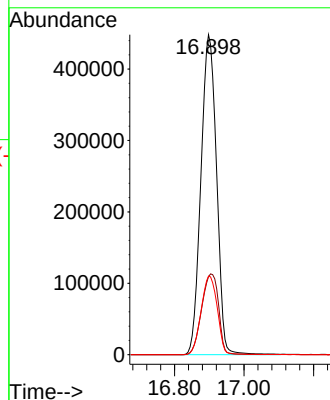
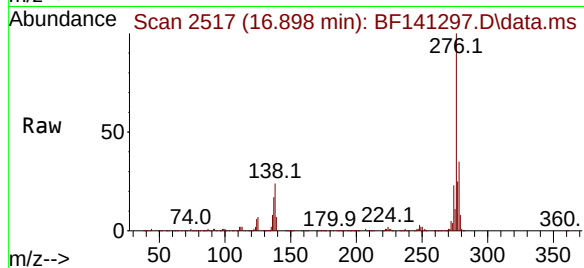




#87
Indeno(1,2,3-cd)pyrene
Concen: 79.715 ng
RT: 16.898 min Scan# 2119
Delta R.T. -0.012 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

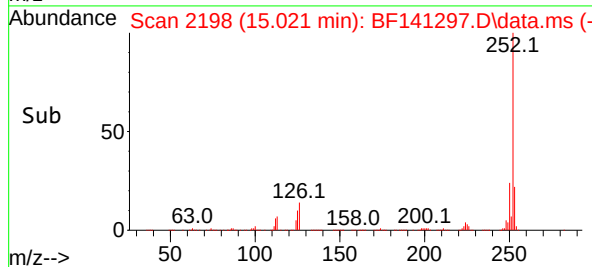
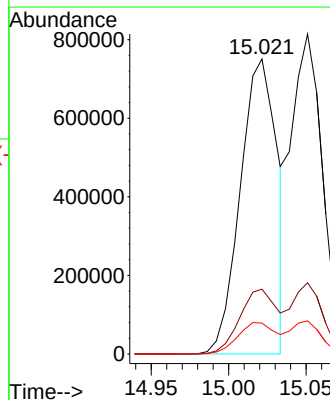
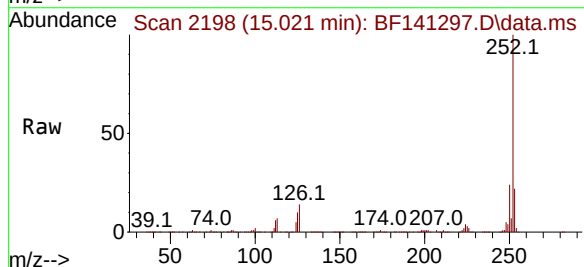
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

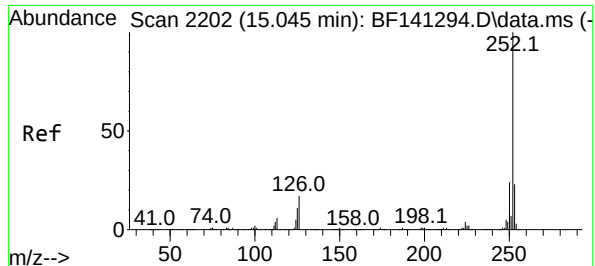
Tgt Ion:276 Resp: 1399119
Ion Ratio Lower Upper
276 100
138 27.3 21.7 32.5
277 25.3 20.3 30.5



#88
Benzo(b)fluoranthene
Concen: 71.102 ng
RT: 15.021 min Scan# 2198
Delta R.T. -0.012 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:252 Resp: 1235245
Ion Ratio Lower Upper
252 100
253 22.0 17.4 26.2
125 10.5 8.6 12.8





#89

Benzo(k)fluoranthene

Concen: 75.010 ng

RT: 15.051 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

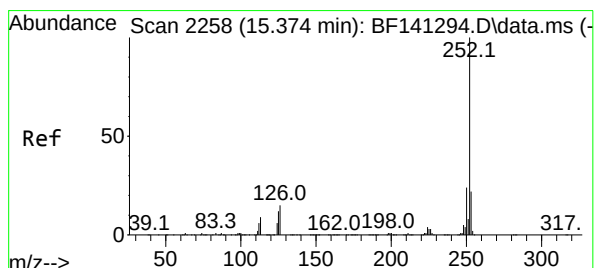
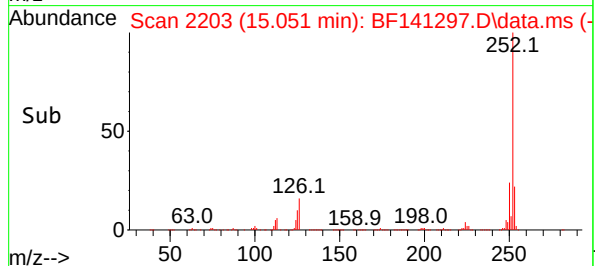
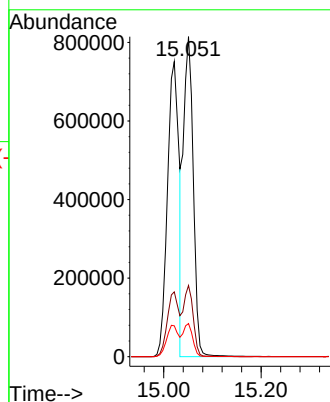
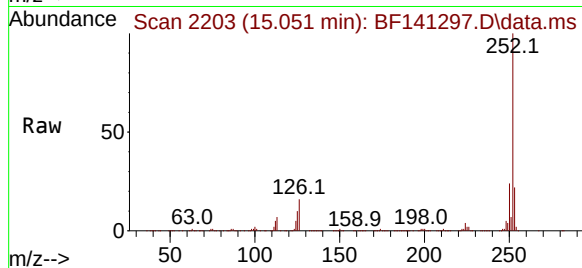
Tgt Ion:252 Resp: 1146296

Ion Ratio Lower Upper

252 100

253 22.3 17.6 26.4

125 10.4 8.4 12.6



#90

Benzo(a)pyrene

Concen: 75.410 ng

RT: 15.380 min Scan# 2259

Delta R.T. -0.012 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

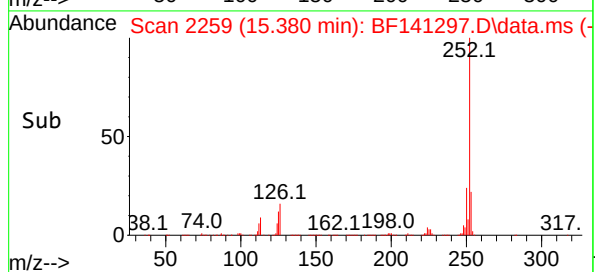
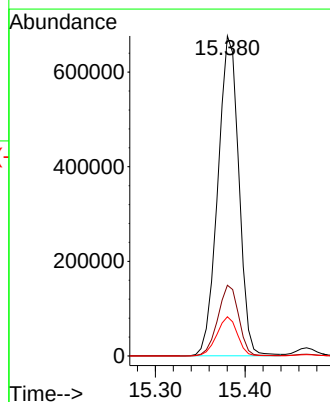
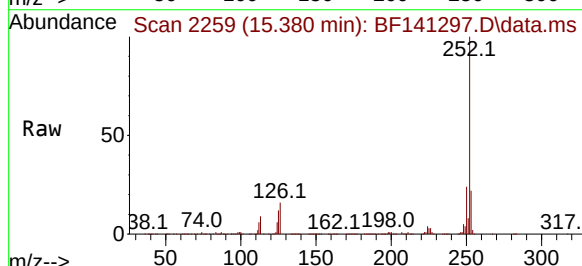
Tgt Ion:252 Resp: 1098491

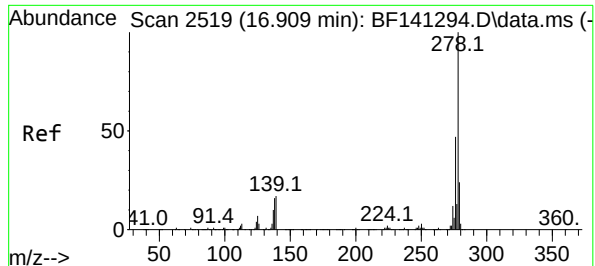
Ion Ratio Lower Upper

252 100

253 22.1 17.2 25.8

125 12.3 9.4 14.2

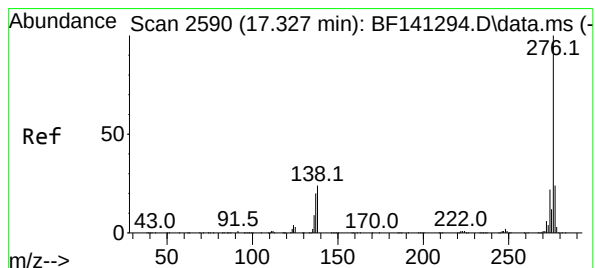
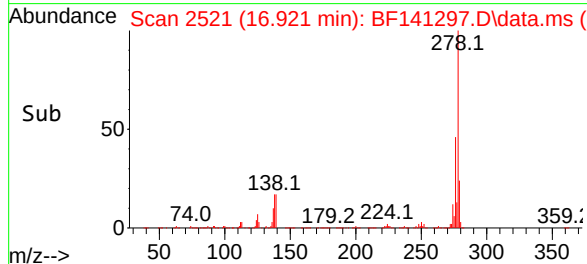
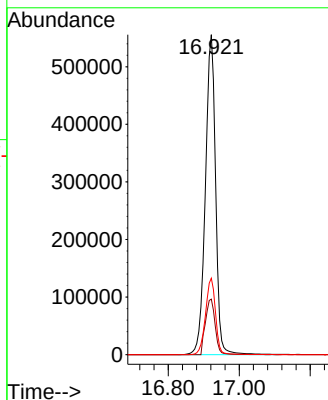
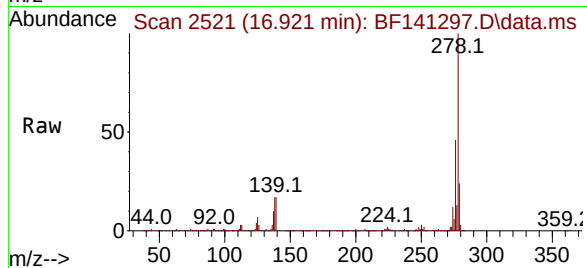




#91
Dibenzo(a,h)anthracene
Concen: 79.035 ng
RT: 16.921 min Scan# 2521
Delta R.T. -0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

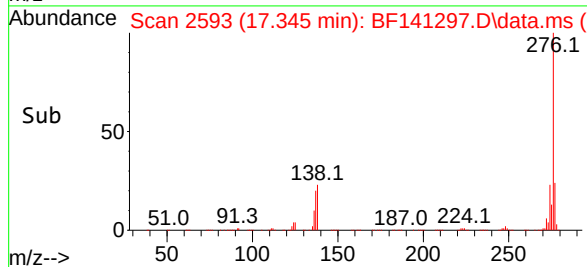
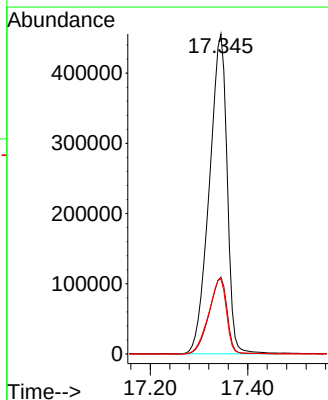
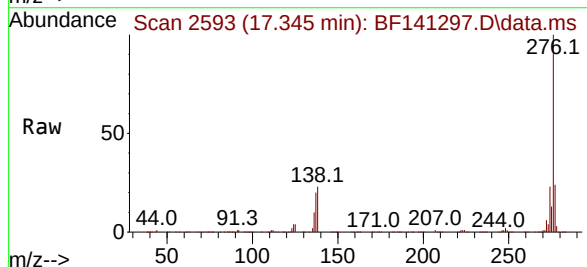
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:278 Resp: 1117397
Ion Ratio Lower Upper
278 100
139 17.3 13.9 20.9
279 23.9 18.8 28.2



#92
Benzo(g,h,i)perylene
Concen: 78.512 ng
RT: 17.345 min Scan# 2593
Delta R.T. -0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:276 Resp: 1155250
Ion Ratio Lower Upper
276 100
277 24.0 19.2 28.8
138 23.4 19.0 28.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
 Data File : BF141298.D
 Acq On : 29 Jan 2025 17:31
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF012925

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/30/2025
 Supervised By :mohammad ahmed 02/04/2025

Quant Time: Jan 30 03:16:08 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	133318	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	525644	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	279764	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	450291	20.000	ng	0.00
76) Chrysene-d12	13.969	240	257177	20.000	ng	0.00
86) Perylene-d12	15.421	264	279455	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	650985	74.963	ng	0.00
7) Phenol-d6	6.428	99	824574	74.641	ng	-0.01
23) Nitrobenzene-d5	7.363	82	754118	75.630	ng	0.00
42) 2,4,6-Tribromophenol	10.628	330	192773	75.161	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1325725	72.938	ng	0.00
79) Terphenyl-d14	12.910	244	1208358	72.460	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.487	88	142440	37.296	ng	100
3) Pyridine	3.216	79	353478	38.413	ng	100
4) n-Nitrosodimethylamine	3.169	42	199637	37.977	ng	100
6) Aniline	6.463	93	368792	39.437	ng	99
8) 2-Chlorophenol	6.581	128	349085	37.505	ng	99
9) Benzaldehyde	6.346	77	236537	36.965	ng	100
10) Phenol	6.440	94	443695	37.888	ng	99
11) bis(2-Chloroethyl)ether	6.534	93	335702	37.387	ng	100
12) 1,3-Dichlorobenzene	6.740	146	382682	37.288	ng	99
13) 1,4-Dichlorobenzene	6.816	146	390597	37.885	ng	99
14) 1,2-Dichlorobenzene	6.969	146	359529	37.241	ng	100
15) Benzyl Alcohol	6.940	79	286519	37.952	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.075	45	587637	37.636	ng	100
17) 2-Methylphenol	7.051	107	276450	36.544	ng	99
18) Hexachloroethane	7.310	117	144890	38.094	ng	99
19) n-Nitroso-di-n-propyla...	7.210	70	241878	36.848	ng	100
20) 3+4-Methylphenols	7.204	107	347046	37.364	ng	99
22) Acetophenone	7.210	105	458757	36.717	ng	100
24) Nitrobenzene	7.381	77	391907	37.927	ng	99
25) Isophorone	7.622	82	645309	37.439	ng	100
26) 2-Nitrophenol	7.698	139	186592	38.289	ng	99
27) 2,4-Dimethylphenol	7.734	122	236052m	38.055	ng	
28) bis(2-Chloroethoxy)met...	7.834	93	411851	37.460	ng	99
29) 2,4-Dichlorophenol	7.940	162	286090	37.675	ng	99
30) 1,2,4-Trichlorobenzene	8.022	180	316431	36.488	ng	100
31) Naphthalene	8.104	128	1030995	37.128	ng	100
32) Benzoic acid	7.845	122	236833	41.534	ng	99
33) 4-Chloroaniline	8.151	127	350423	37.214	ng	99
34) Hexachlorobutadiene	8.222	225	186523	36.676	ng	99
35) Caprolactam	8.522	113	93403	37.662	ng	97
36) 4-Chloro-3-methylphenol	8.634	107	305288	37.480	ng	99
37) 2-Methylnaphthalene	8.792	142	651222	36.898	ng	99
38) 1-Methylnaphthalene	8.892	142	651341	37.570	ng	99
40) 1,2,4,5-Tetrachloroben...	8.957	216	296277	37.226	ng	99
41) Hexachlorocyclopentadiene	8.945	237	93930	39.961	ng	98
43) 2,4,6-Trichlorophenol	9.069	196	201214	38.625	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
 Data File : BF141298.D
 Acq On : 29 Jan 2025 17:31
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

ICVBF012925

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025

Quant Time: Jan 30 03:16:08 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Jan 29 17:41:25 2025

Response via : Initial Calibration

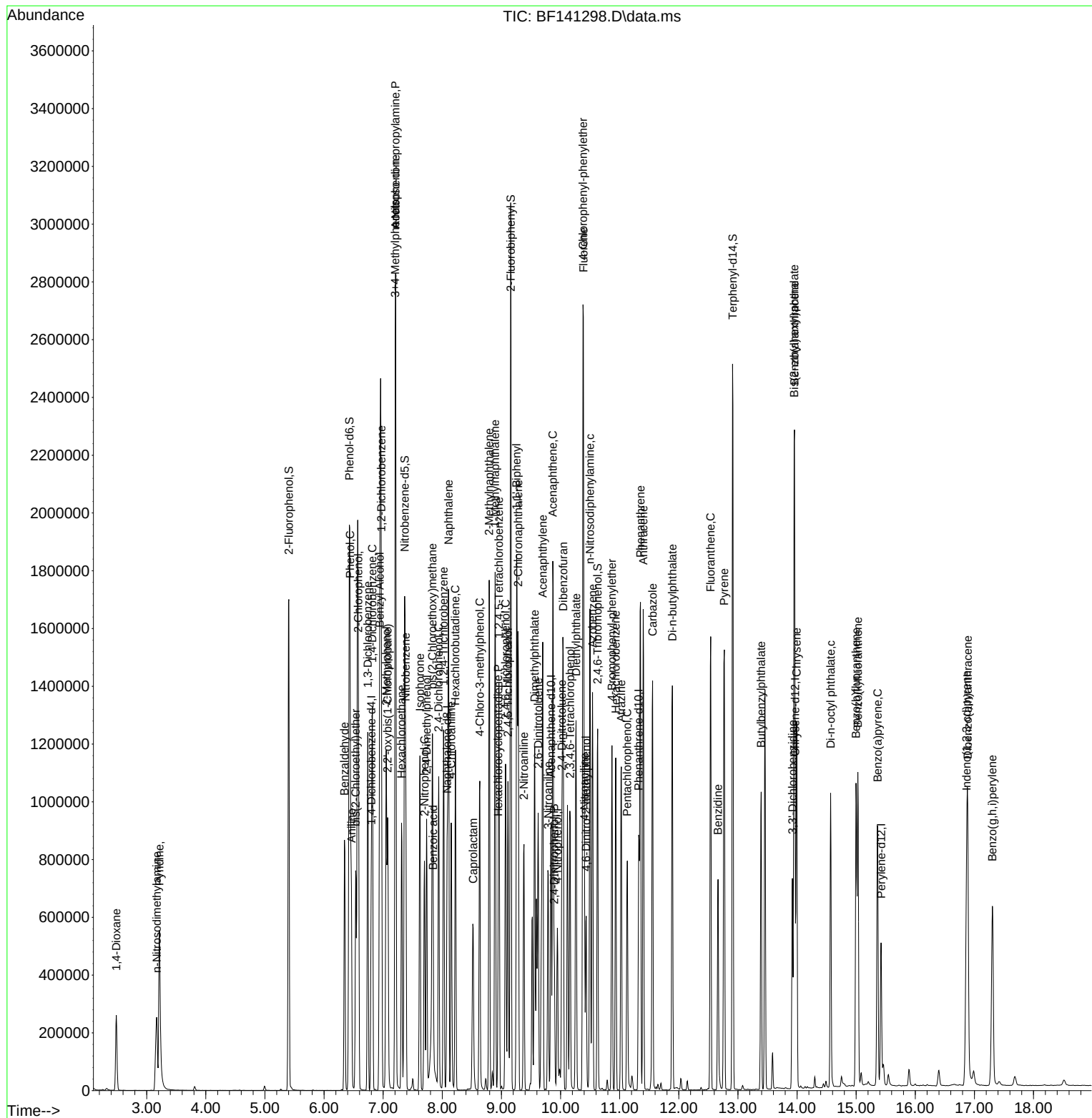
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	209611	36.969	ng	100
46) 1,1'-Biphenyl	9.257	154	809694	37.111	ng	100
47) 2-Chloronaphthalene	9.281	162	626457	36.837	ng	100
48) 2-Nitroaniline	9.381	65	203104	37.970	ng	98
49) Acenaphthylene	9.698	152	890709	37.416	ng	100
50) Dimethylphthalate	9.563	163	697300	36.904	ng	100
51) 2,6-Dinitrotoluene	9.622	165	164343	37.459	ng	99
52) Acenaphthene	9.869	154	632756	37.206	ng	99
53) 3-Nitroaniline	9.792	138	164042	38.150	ng	98
54) 2,4-Dinitrophenol	9.892	184	81034	39.734	ng	# 85
55) Dibenzofuran	10.045	168	842555	37.012	ng	100
56) 4-Nitrophenol	9.945	139	122925	39.089	ng	99
57) 2,4-Dinitrotoluene	10.022	165	217705	38.327	ng	99
58) Fluorene	10.386	166	643639	36.451	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.163	232	169067	37.902	ng	99
60) Diethylphthalate	10.263	149	683674	37.316	ng	99
61) 4-Chlorophenyl-phenyle...	10.381	204	312065	36.180	ng	99
62) 4-Nitroaniline	10.404	138	159227	37.665	ng	99
63) Azobenzene	10.539	77	678905	37.020	ng	100
65) 4,6-Dinitro-2-methylph...	10.433	198	111635	41.913	ng	99
66) n-Nitrosodiphenylamine	10.498	169	564452	38.757	ng	99
67) 4-Bromophenyl-phenylether	10.869	248	199009	39.477	ng	98
68) Hexachlorobenzene	10.933	284	208171	38.929	ng	99
69) Atrazine	11.028	200	190958	39.215	ng	99
70) Pentachlorophenol	11.128	266	128300	40.973	ng	99
71) Phenanthrene	11.351	178	922625	38.117	ng	100
72) Anthracene	11.398	178	912703	38.484	ng	100
73) Carbazole	11.557	167	813036	38.661	ng	100
74) Di-n-butylphthalate	11.892	149	984759	38.639	ng	100
75) Fluoranthene	12.539	202	902637	37.768	ng	100
77) Benzidine	12.663	184	405163	49.142	ng	99
78) Pyrene	12.769	202	894269	36.225	ng	99
80) Butylbenzylphthalate	13.392	149	324793	37.660	ng	99
81) Benzo(a)anthracene	13.957	228	631556	35.587	ng	99
82) 3,3'-Dichlorobenzidine	13.921	252	218850	38.774	ng	99
83) Chrysene	13.992	228	610038	37.508	ng	100
84) Bis(2-ethylhexyl)phtha...	13.951	149	400642	36.620	ng	100
85) Di-n-octyl phthalate	14.569	149	642439	37.807	ng	99
87) Indeno(1,2,3-cd)pyrene	16.868	276	678653	37.626	ng	99
88) Benzo(b)fluoranthene	14.998	252	683111	38.861	ng	100
89) Benzo(k)fluoranthene	15.027	252	556960	35.766	ng	99
90) Benzo(a)pyrene	15.363	252	567574	38.209	ng	99
91) Dibenzo(a,h)anthracene	16.886	278	551534	38.007	ng	99
92) Benzo(g,h,i)perylene	17.304	276	559807	37.101	ng	99

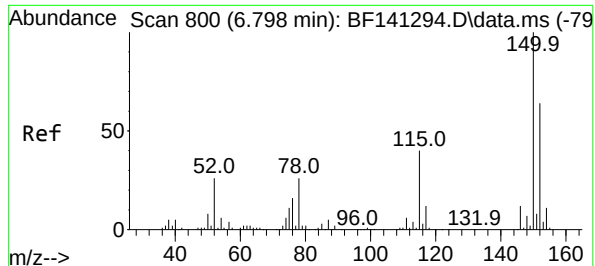
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025





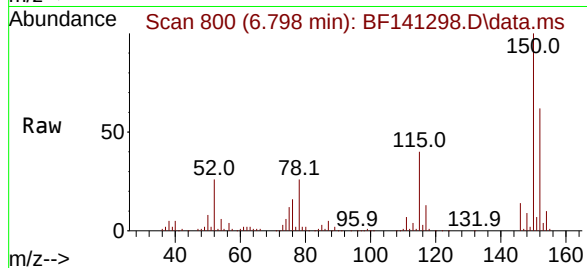
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

ICVBF012925

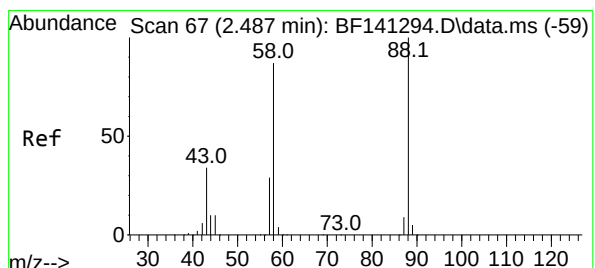
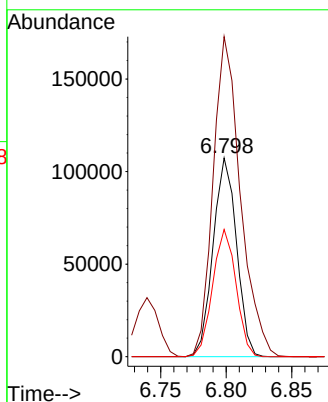
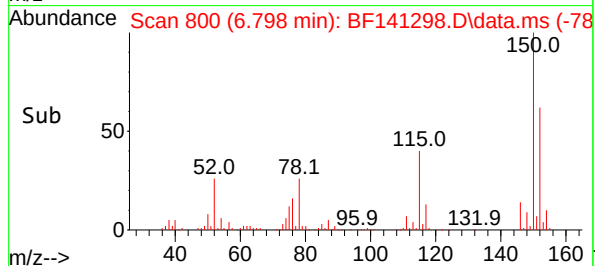


Tgt Ion:152 Resp: 133318
Ion Ratio Lower Upper
152 100
150 161.0 125.9 188.9
115 64.0 49.7 74.5

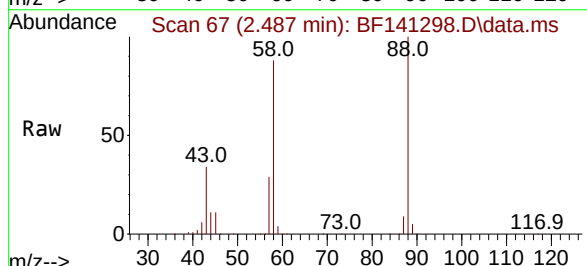
Manual Integrations

APPROVED

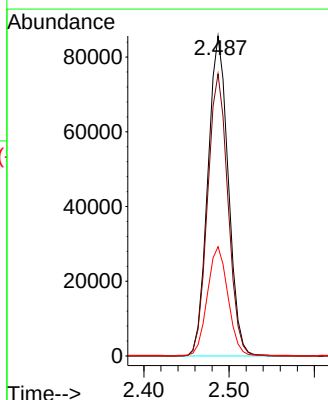
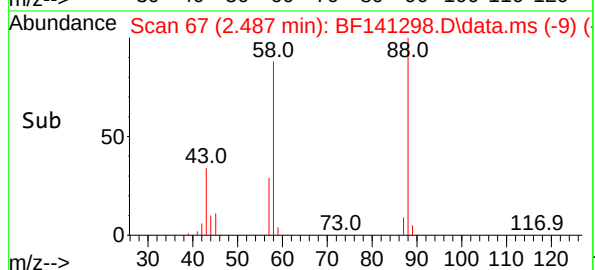
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

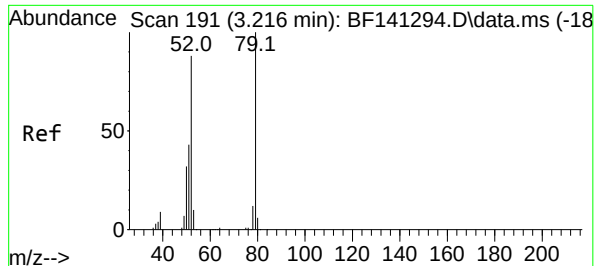


#2
1,4-Dioxane
Concen: 37.296 ng
RT: 2.487 min Scan# 67
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31



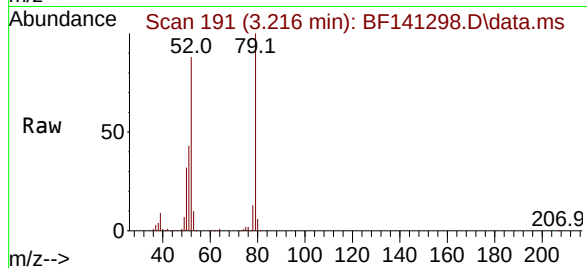
Tgt Ion: 88 Resp: 142440
Ion Ratio Lower Upper
88 100
58 87.8 70.2 105.4
43 34.7 27.6 41.4





#3
Pyridine
Concen: 38.413 ng
RT: 3.216 min Scan# 191
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

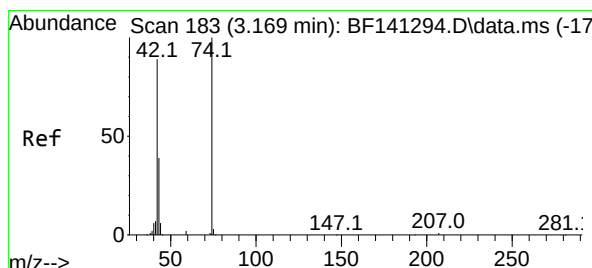
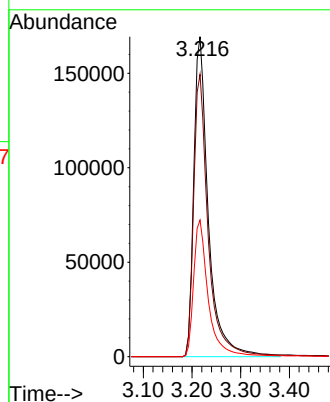
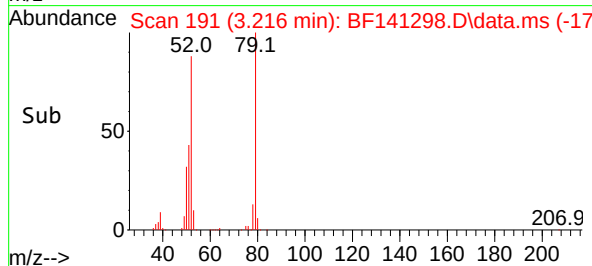
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



Tgt Ion: 79 Resp: 353478
Ion Ratio Lower Upper
79 100
52 88.3 70.3 105.5
51 42.7 34.3 51.5

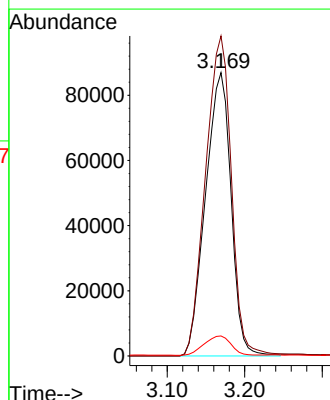
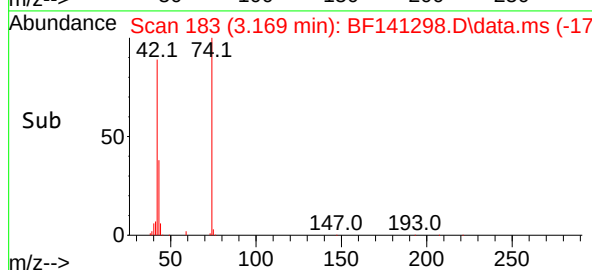
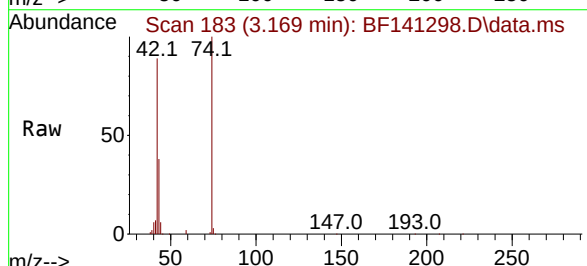
Manual Integrations
APPROVED

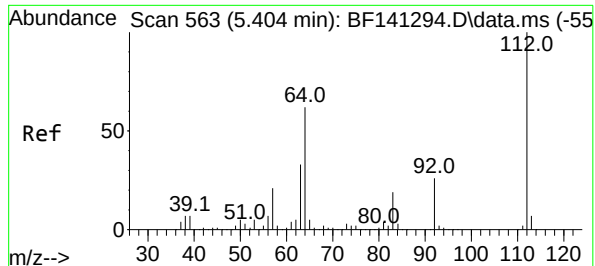
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#4
n-Nitrosodimethylamine
Concen: 37.977 ng
RT: 3.169 min Scan# 183
Delta R.T. -0.029 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

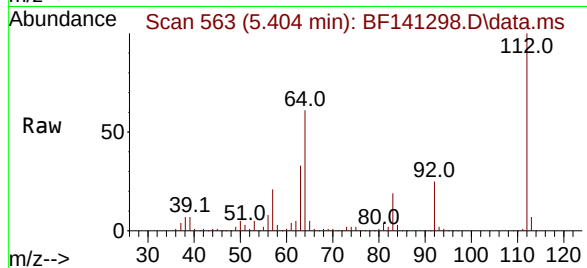
Tgt Ion: 42 Resp: 199637
Ion Ratio Lower Upper
42 100
74 112.9 90.3 135.5
44 7.1 5.7 8.5





#5
2-Fluorophenol
Concen: 74.963 ng
RT: 5.404 min Scan# 509
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

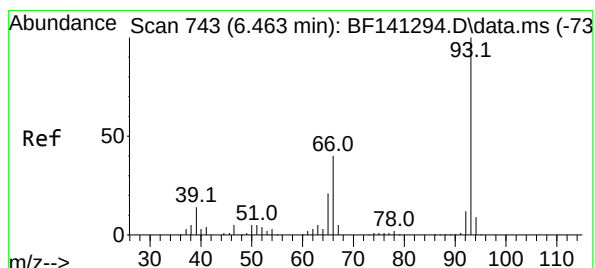
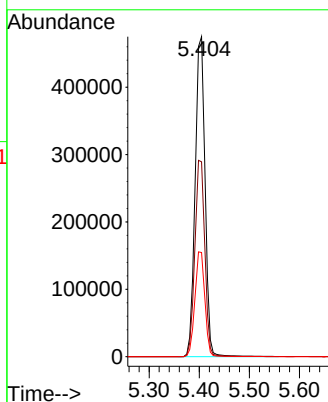
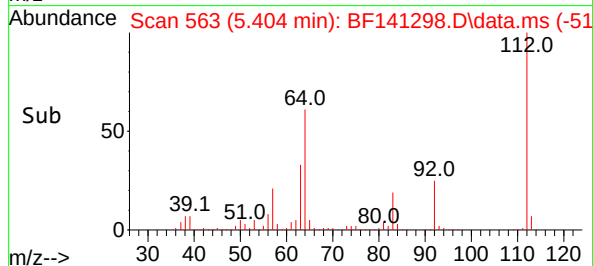
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



Tgt Ion:112 Resp: 65098
Ion Ratio Lower Upper
112 100
64 60.9 49.8 74.8
63 32.6 26.1 39.1

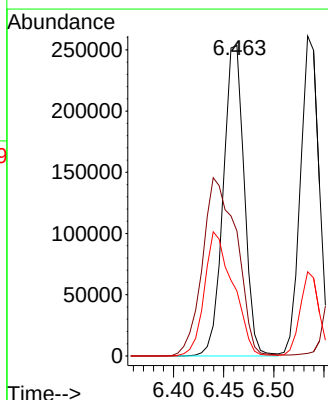
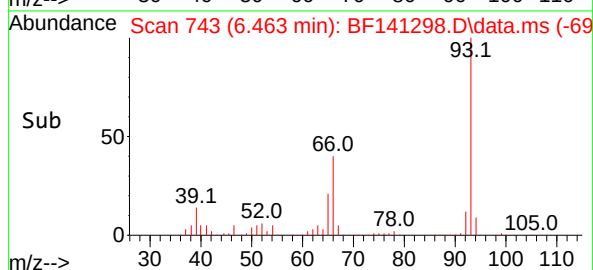
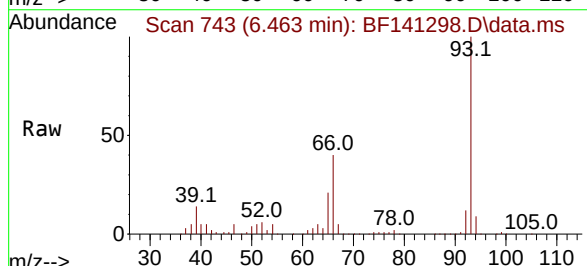
Manual Integrations
APPROVED

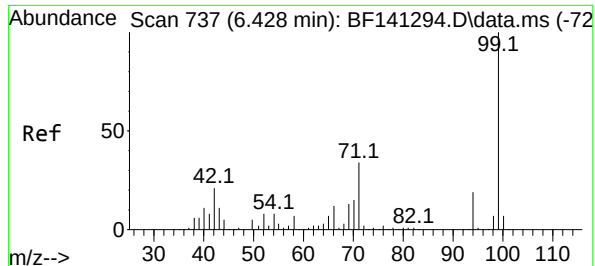
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#6
Aniline
Concen: 39.437 ng
RT: 6.463 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

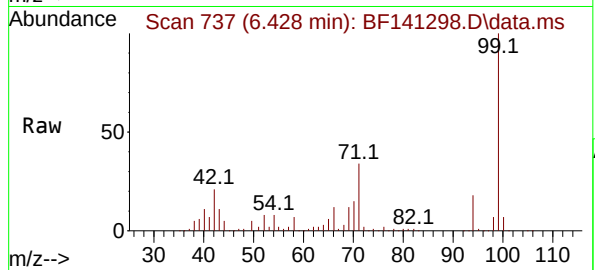
Tgt Ion: 93 Resp: 368792
Ion Ratio Lower Upper
93 100
66 40.3 32.5 48.7
65 20.9 17.0 25.6





#7
Phenol-d6
Concen: 74.641 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

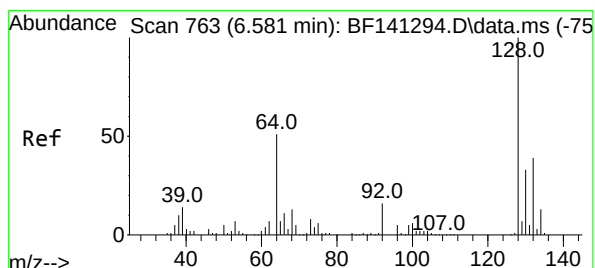
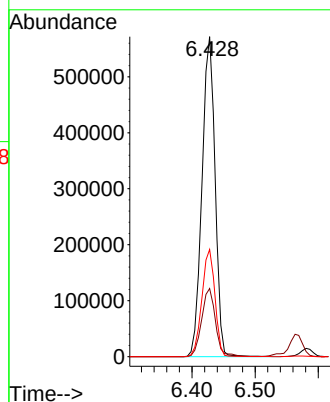
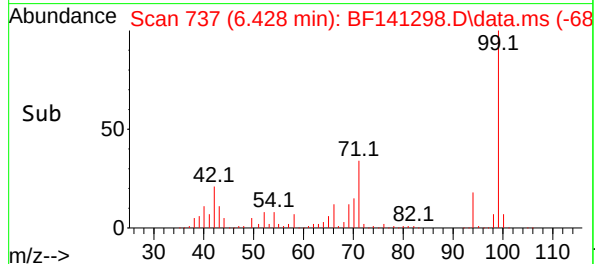
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



Tgt Ion: 99 Resp: 824574
Ion Ratio Lower Upper
99 100
42 21.3 17.1 25.7
71 33.5 26.9 40.3

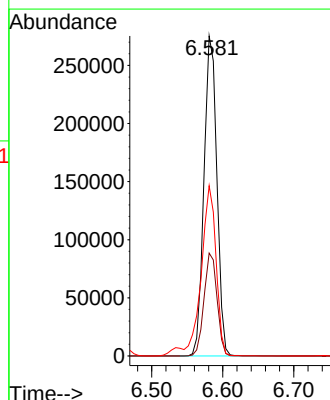
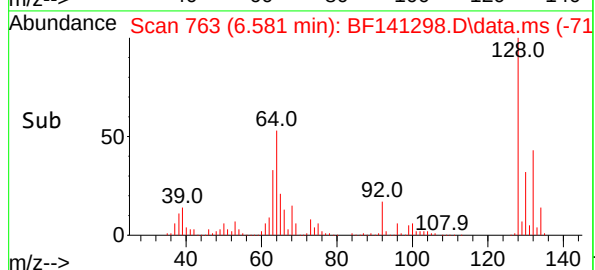
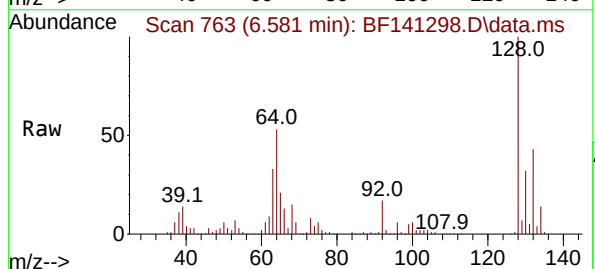
Manual Integrations
APPROVED

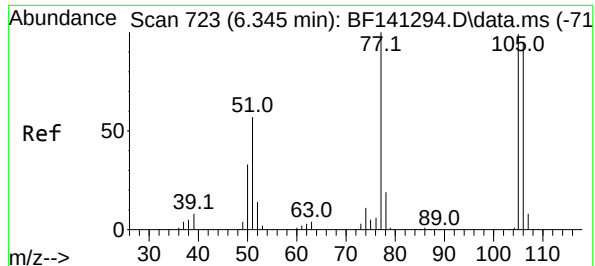
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#8
2-Chlorophenol
Concen: 37.505 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:128 Resp: 349085
Ion Ratio Lower Upper
128 100
130 32.1 12.5 52.5
64 53.2 32.9 72.9





#9

Benzaldehyde

Concen: 36.965 ng

RT: 6.346 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

ICVBF012925

Tgt Ion: 77 Resp: 23653

Ion Ratio Lower Upper

77 100

105 99.5 79.4 119.4

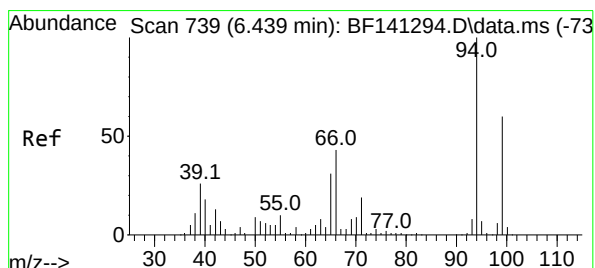
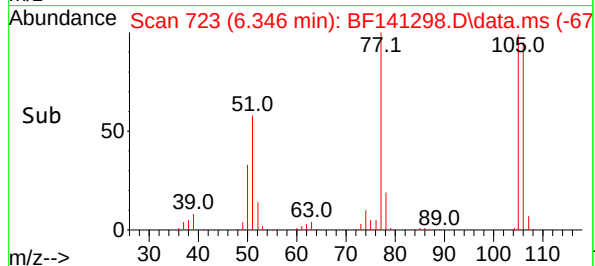
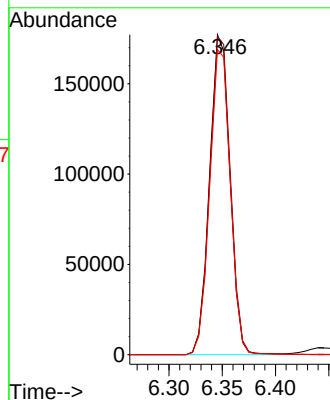
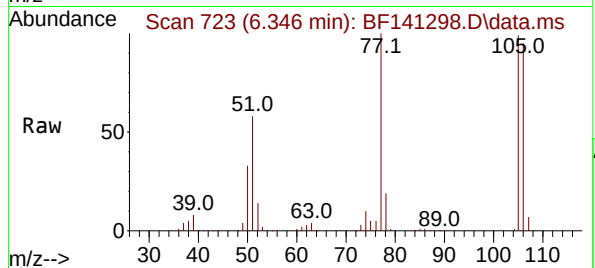
106 95.3 74.6 114.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#10

Phenol

Concen: 37.888 ng

RT: 6.440 min Scan# 739

Delta R.T. -0.012 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

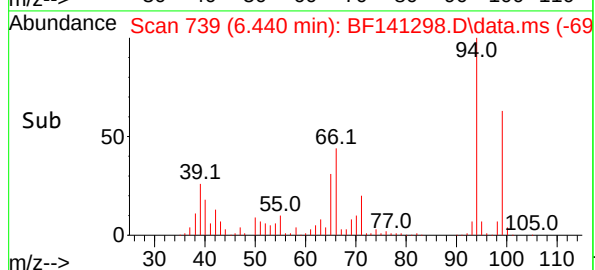
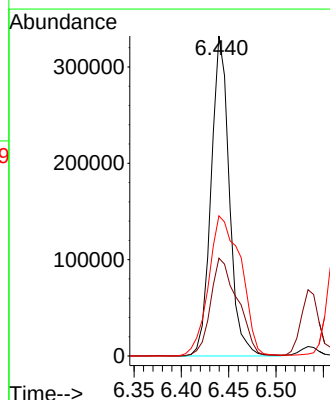
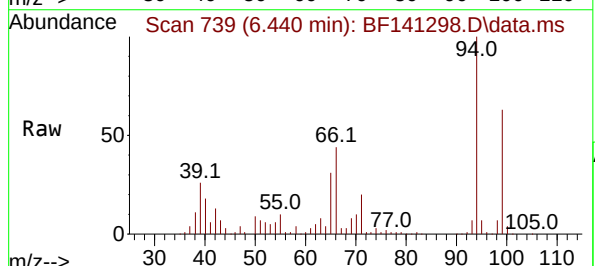
Tgt Ion: 94 Resp: 443695

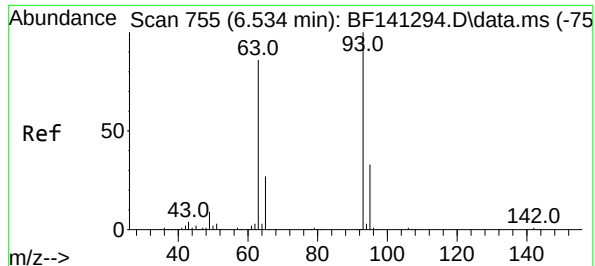
Ion Ratio Lower Upper

94 100

65 30.5 10.8 50.8

66 43.8 23.3 63.3





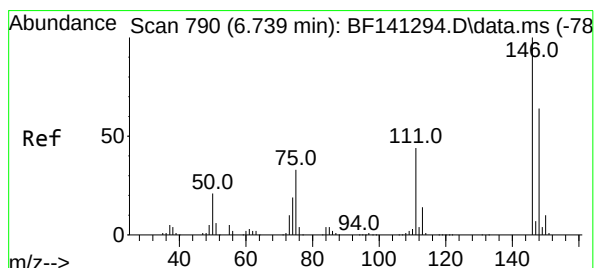
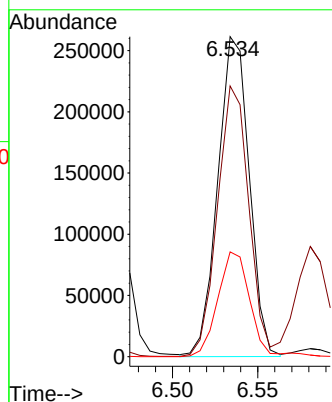
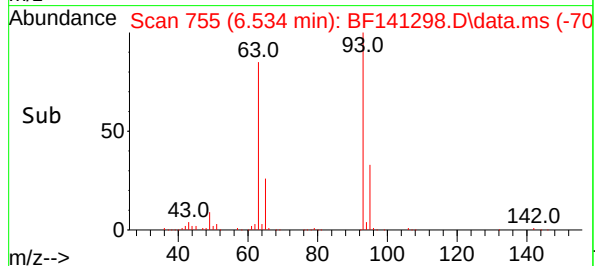
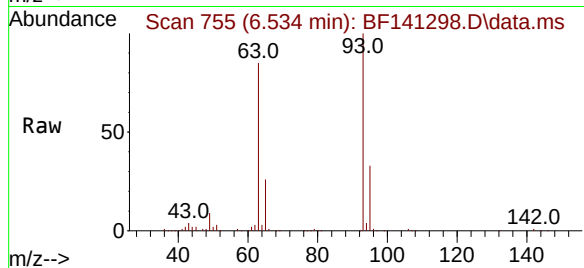
#11
bis(2-Chloroethyl)ether
Concen: 37.387 ng
RT: 6.534 min Scan# 755
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Tgt Ion: 93 Resp: 335702
Ion Ratio Lower Upper
93 100
63 84.6 65.0 105.0
95 32.8 12.4 52.4

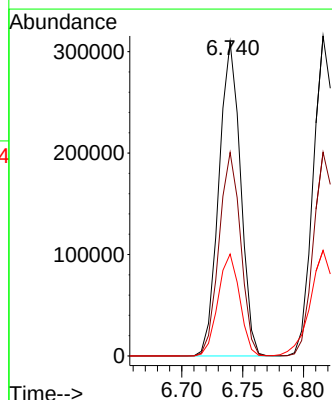
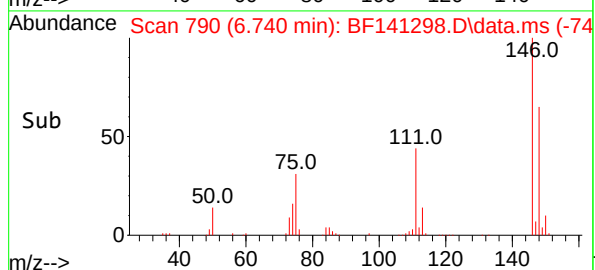
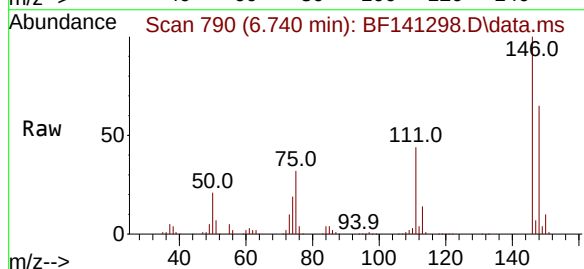
Manual Integrations
APPROVED

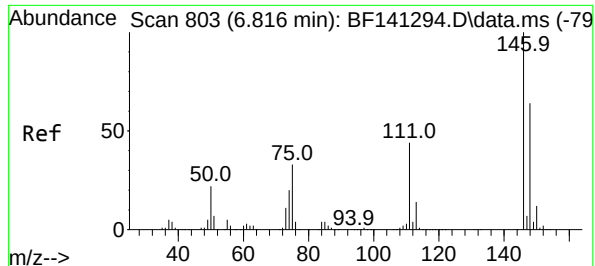
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#12
1,3-Dichlorobenzene
Concen: 37.288 ng
RT: 6.740 min Scan# 790
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:146 Resp: 382682
Ion Ratio Lower Upper
146 100
148 64.8 51.2 76.8
75 32.4 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 37.885 ng

RT: 6.816 min Scan# 803

Delta R.T. -0.006 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

ICVBF012925

Tgt Ion:146 Resp: 39059

Ion Ratio Lower Upper

146 100

148 63.6 51.2 76.8

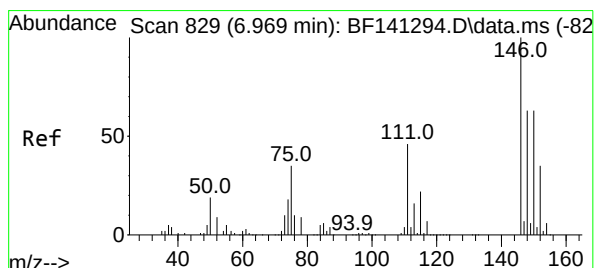
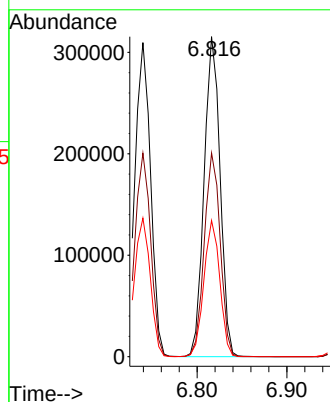
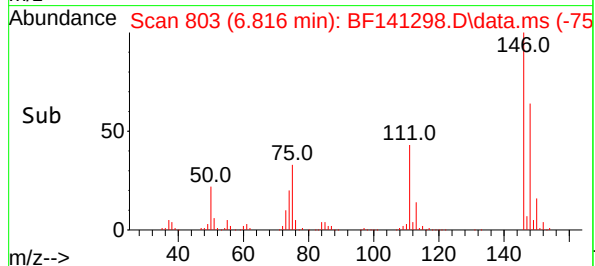
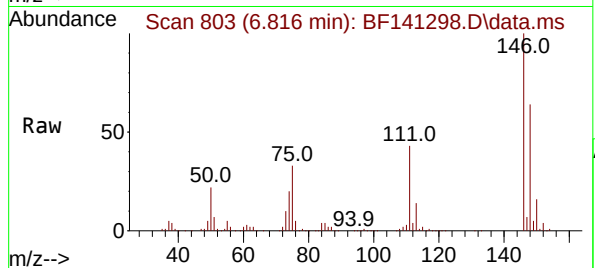
111 42.5 35.0 52.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#14

1,2-Dichlorobenzene

Concen: 37.241 ng

RT: 6.969 min Scan# 829

Delta R.T. -0.006 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

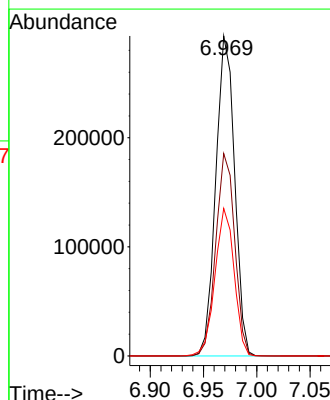
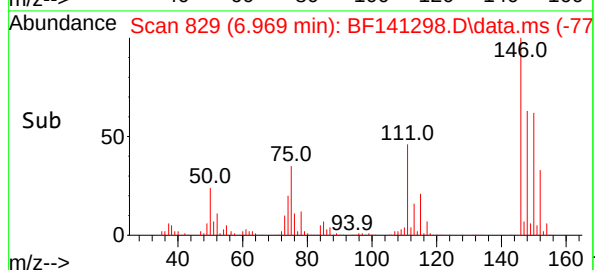
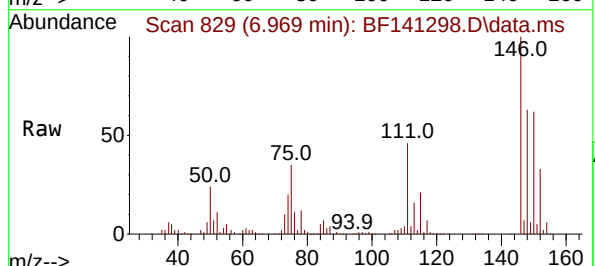
Tgt Ion:146 Resp: 359529

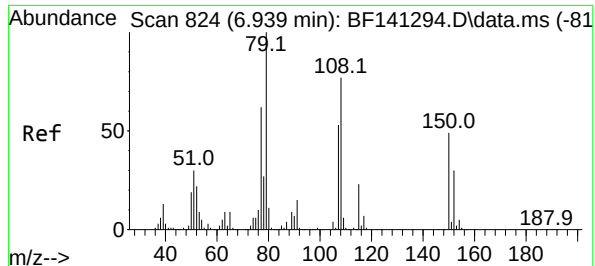
Ion Ratio Lower Upper

146 100

148 63.3 50.5 75.7

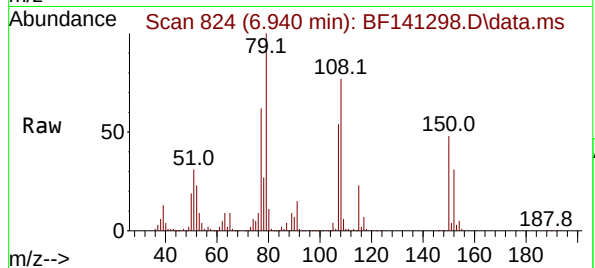
111 46.1 36.6 55.0





#15
Benzyl Alcohol
Concen: 37.952 ng
RT: 6.940 min Scan# 824
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

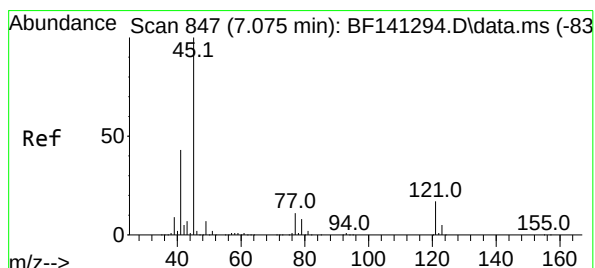
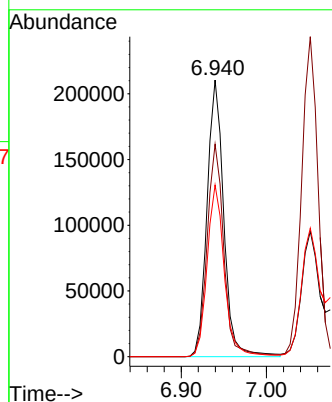
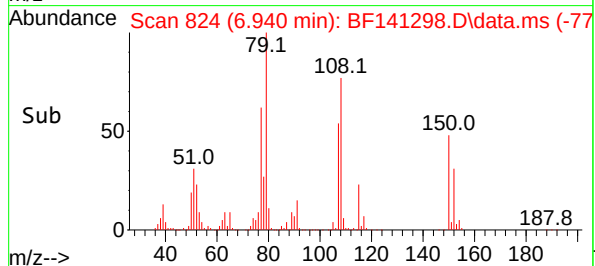
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



Tgt Ion: 79 Resp: 286519
Ion Ratio Lower Upper
79 100
108 76.8 61.4 92.0
77 62.0 49.9 74.9

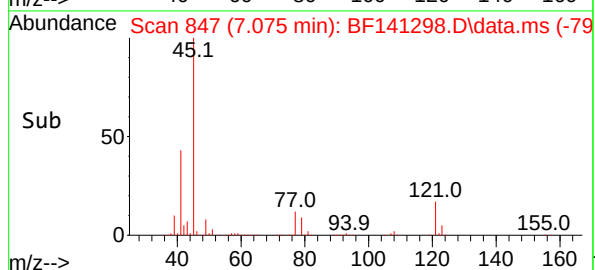
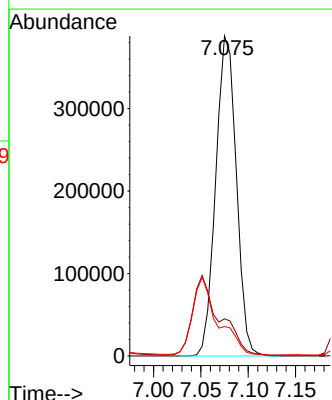
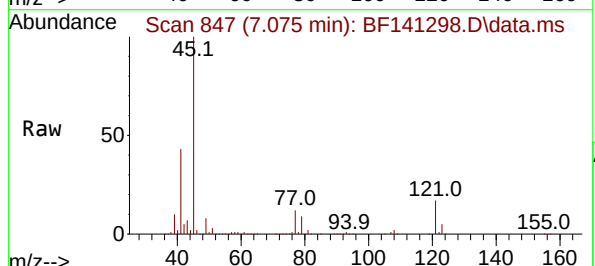
Manual Integrations
APPROVED

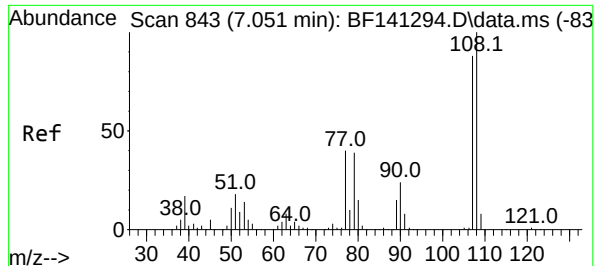
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.636 ng
RT: 7.075 min Scan# 847
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

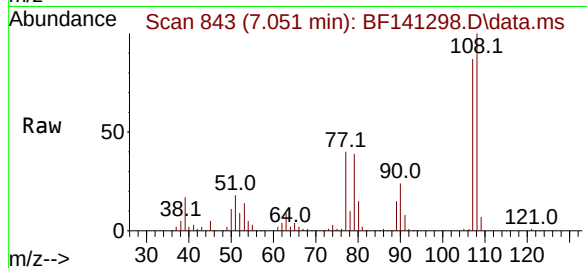
Tgt Ion: 45 Resp: 587637
Ion Ratio Lower Upper
45 100
77 11.6 0.0 31.8
79 9.2 0.0 29.1





#17
2-Methylphenol
Concen: 36.544 ng
RT: 7.051 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

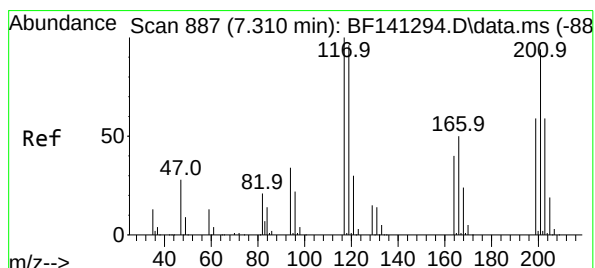
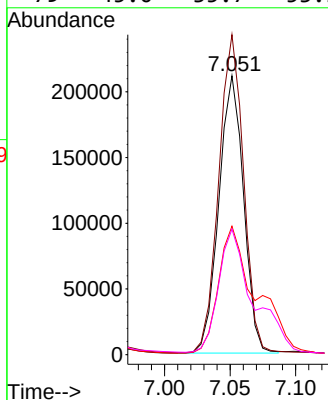
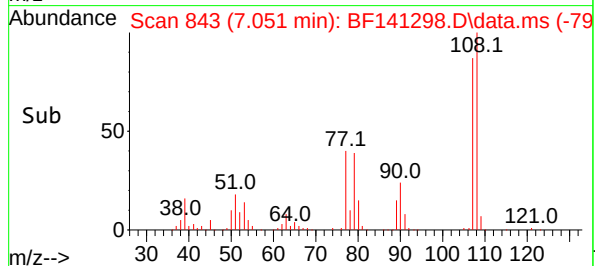
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



Tgt Ion:107 Resp: 276450
Ion Ratio Lower Upper
107 100
108 114.8 90.8 136.2
77 46.1 36.2 54.4
79 45.0 35.7 53.5

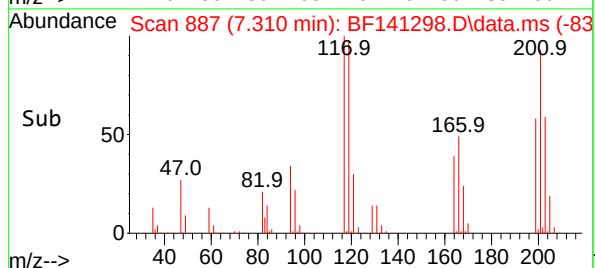
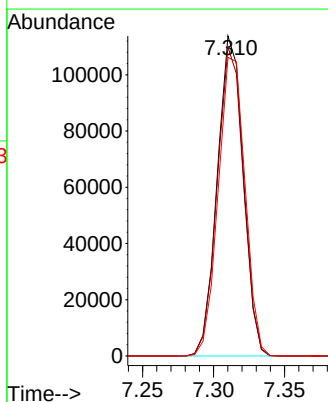
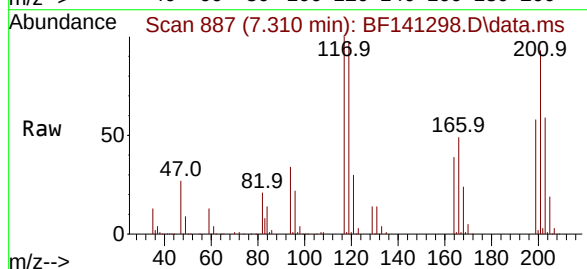
Manual Integrations
APPROVED

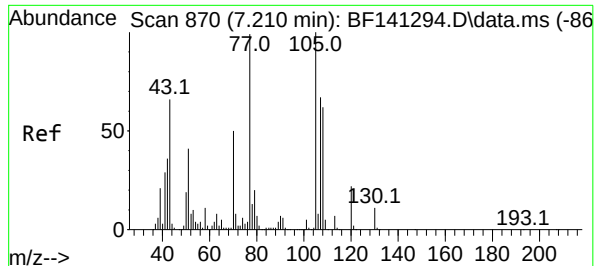
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#18
Hexachloroethane
Concen: 38.094 ng
RT: 7.310 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:117 Resp: 144890
Ion Ratio Lower Upper
117 100
119 96.6 76.6 114.8
201 93.3 74.8 112.2





#19

n-Nitroso-di-n-propylamine

Concen: 36.848 ng

RT: 7.210 min Scan# 81

Delta R.T. -0.018 min

Lab File: BF141298.D

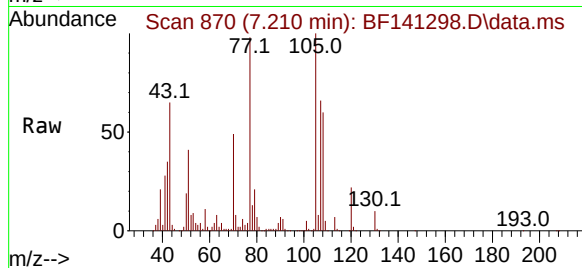
Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

ICVBF012925



Tgt Ion: 70 Resp: 241878

Ion Ratio Lower Upper

70 100

42 71.3 56.8 85.2

101 9.8 7.7 11.5

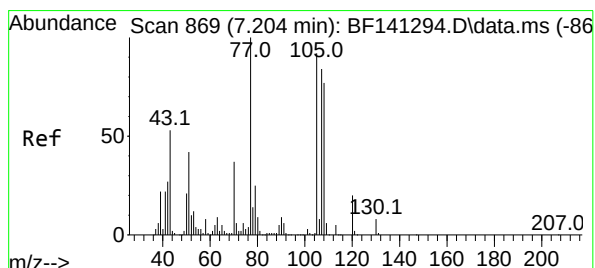
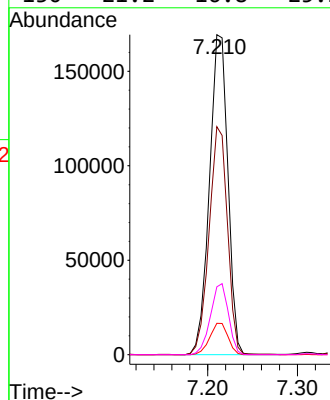
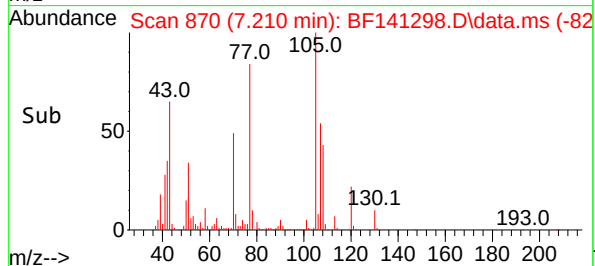
130 21.2 16.8 25.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#20

3+4-Methylphenols

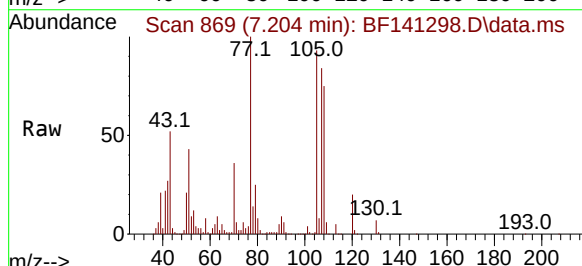
Concen: 37.364 ng

RT: 7.204 min Scan# 869

Delta R.T. -0.012 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31



Tgt Ion:107 Resp: 347046

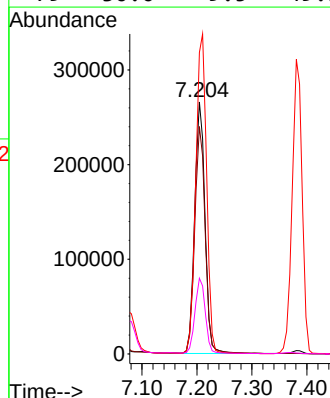
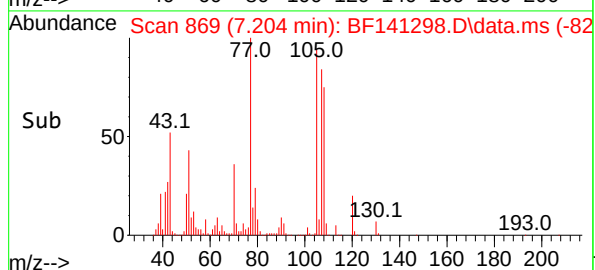
Ion Ratio Lower Upper

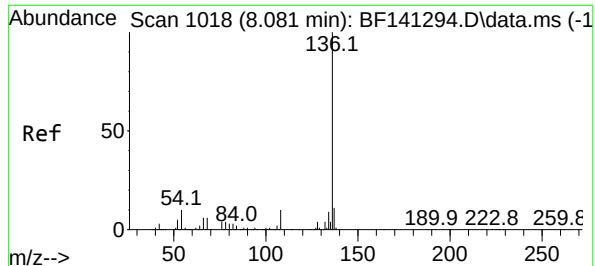
107 100

108 90.2 70.9 110.9

77 119.7 98.5 138.5

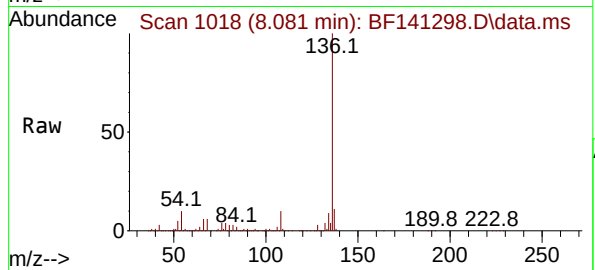
79 30.0 9.5 49.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

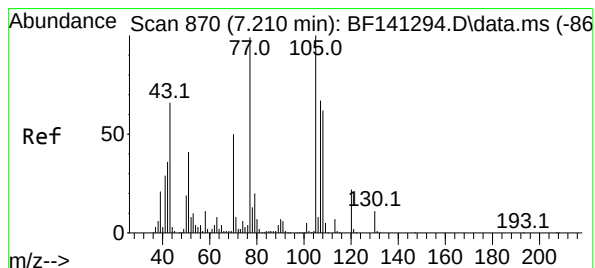
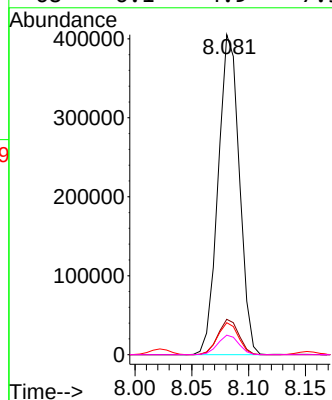
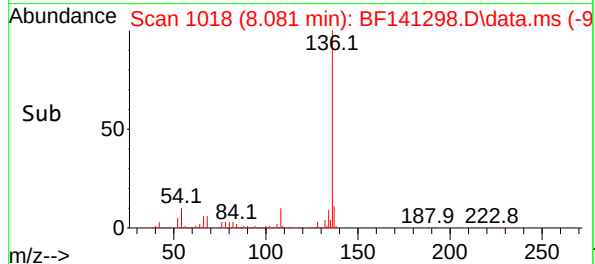
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



Tgt Ion:136 Resp: 525644
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 10.0 7.8 11.8
68 6.1 4.9 7.3

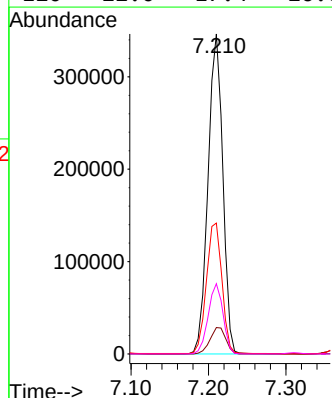
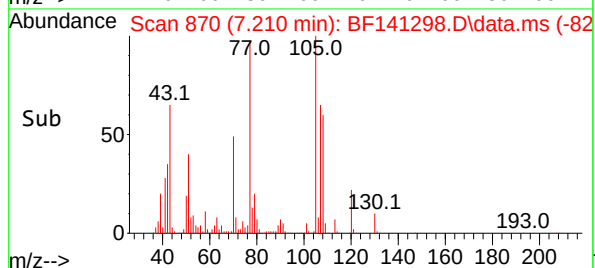
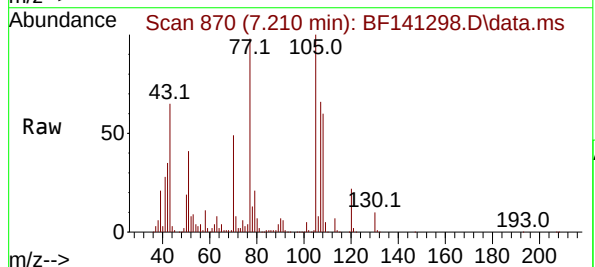
Manual Integrations
APPROVED

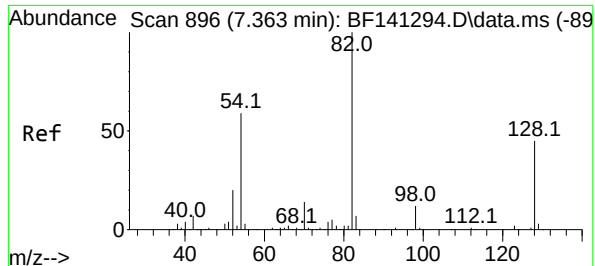
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#22
Acetophenone
Concen: 36.717 ng
RT: 7.210 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:105 Resp: 458757
Ion Ratio Lower Upper
105 100
71 8.3 6.8 10.2
51 40.9 32.6 49.0
120 22.0 17.4 26.0





#23

Nitrobenzene-d5

Concen: 75.630 ng

RT: 7.363 min Scan# 896

Delta R.T. -0.006 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

ICVBF012925

Tgt Ion: 82 Resp: 754118

Ion Ratio Lower Upper

82 100

128 44.2 35.7 53.5

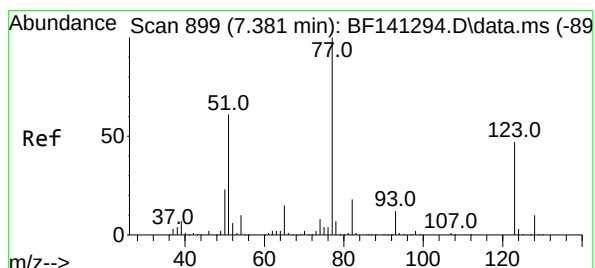
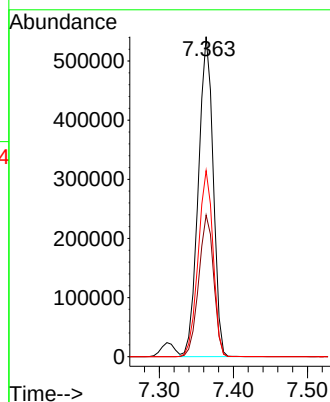
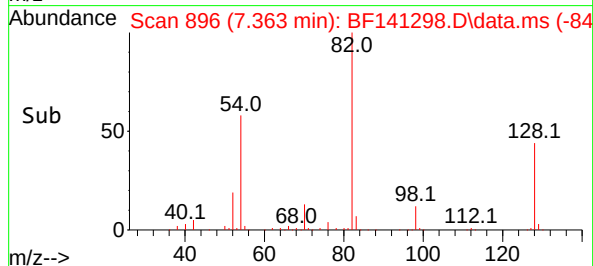
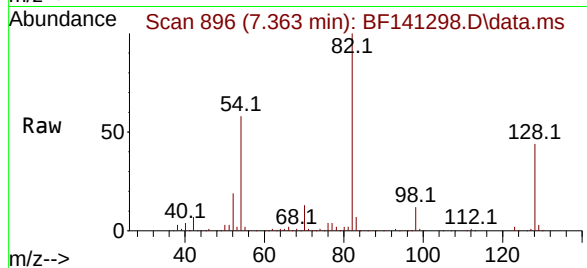
54 58.2 47.1 70.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#24

Nitrobenzene

Concen: 37.927 ng

RT: 7.381 min Scan# 899

Delta R.T. -0.012 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

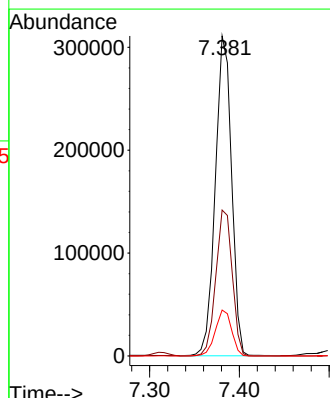
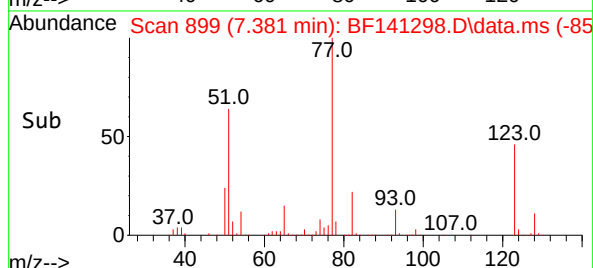
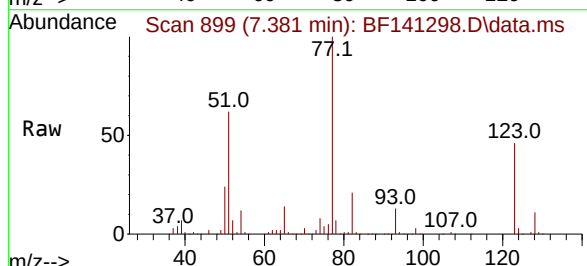
Tgt Ion: 77 Resp: 391907

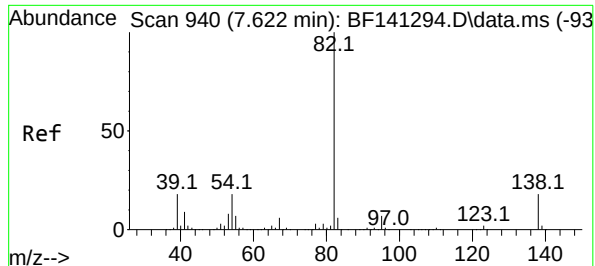
Ion Ratio Lower Upper

77 100

123 45.6 37.3 55.9

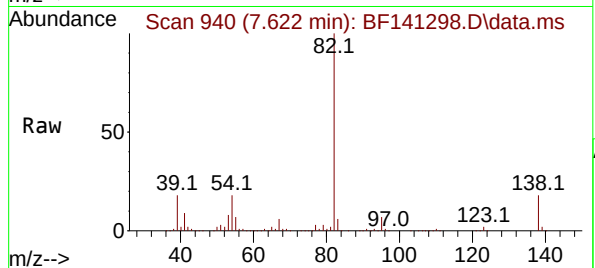
65 14.4 11.8 17.6





#25
Isophorone
Concen: 37.439 ng
RT: 7.622 min Scan# 940
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

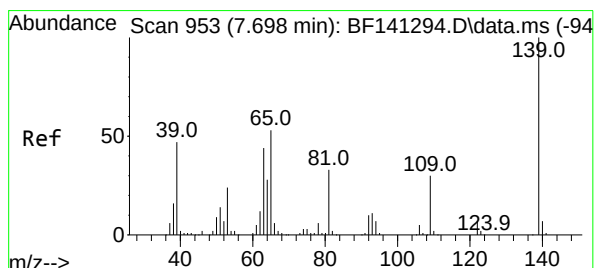
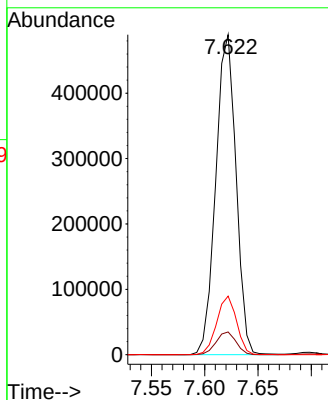
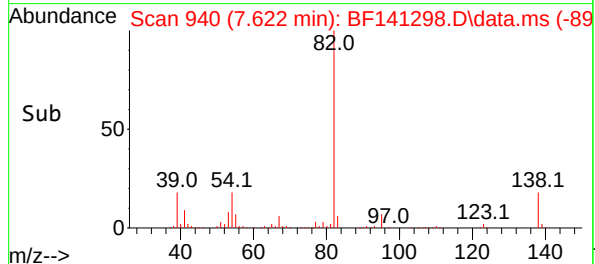
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



Tgt Ion: 82 Resp: 645309
Ion Ratio Lower Upper
82 100
95 7.1 5.8 8.6
138 18.3 14.7 22.1

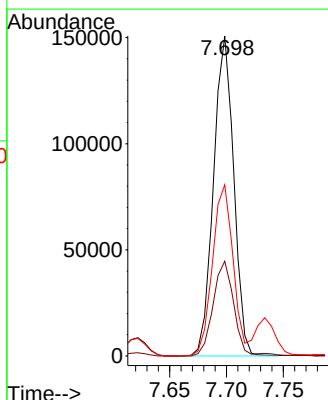
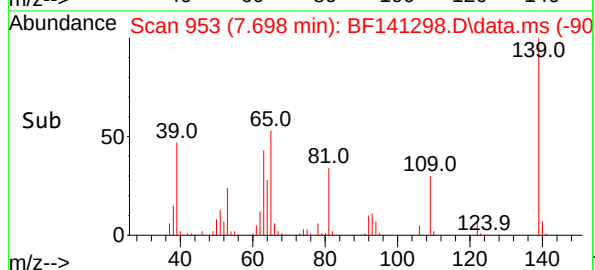
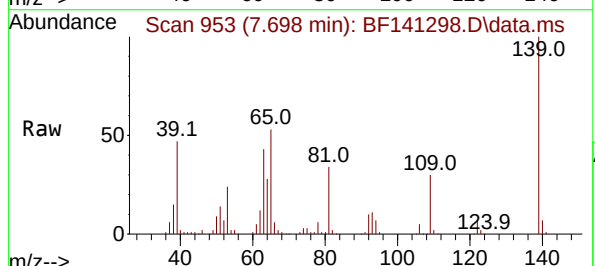
Manual Integrations
APPROVED

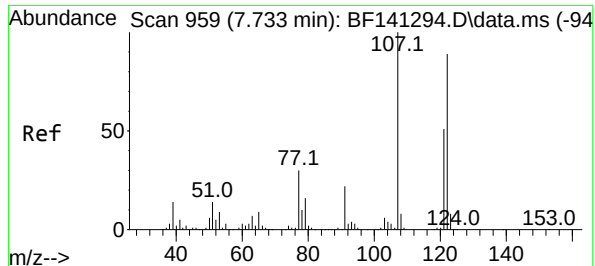
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#26
2-Nitrophenol
Concen: 38.289 ng
RT: 7.698 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:139 Resp: 186592
Ion Ratio Lower Upper
139 100
109 29.6 23.8 35.6
65 53.5 42.2 63.4





#27

2,4-Dimethylphenol

Concen: 38.055 ng m

RT: 7.734 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF141298.D

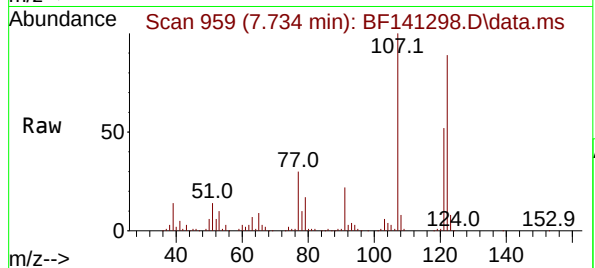
Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

ICVBF012925



Tgt Ion:122 Resp: 236052

Ion Ratio Lower Upper

122 100

107 112.0 89.9 134.9

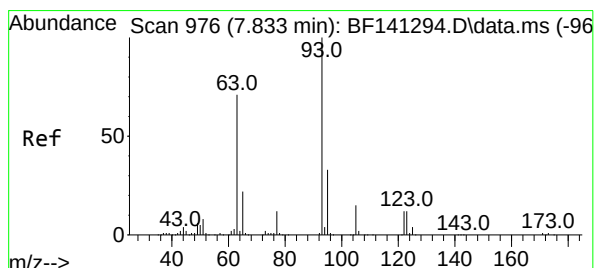
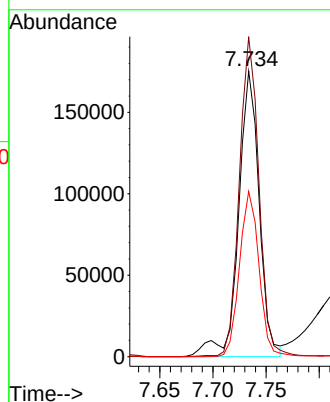
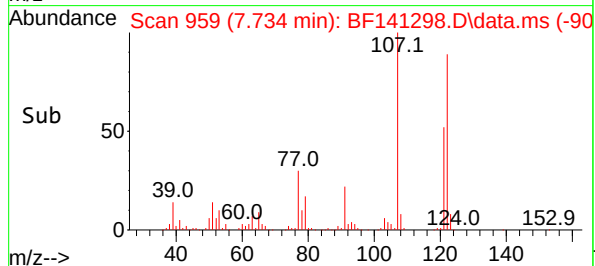
121 57.9 46.1 69.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#28

bis(2-Chloroethoxy)methane

Concen: 37.460 ng

RT: 7.834 min Scan# 976

Delta R.T. -0.006 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

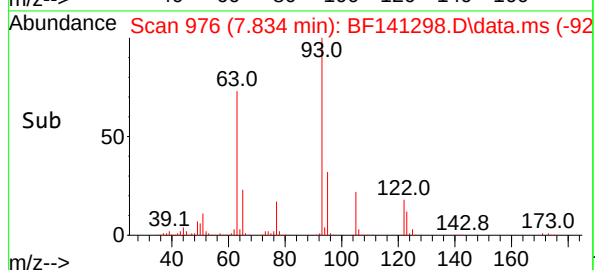
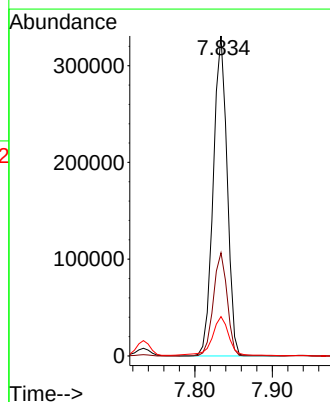
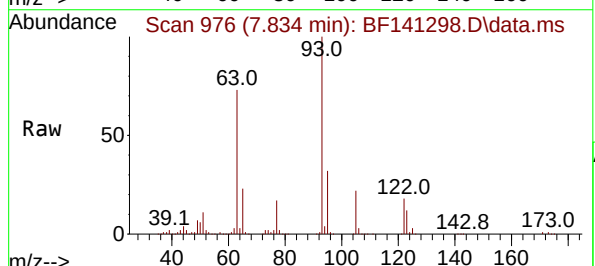
Tgt Ion: 93 Resp: 411851

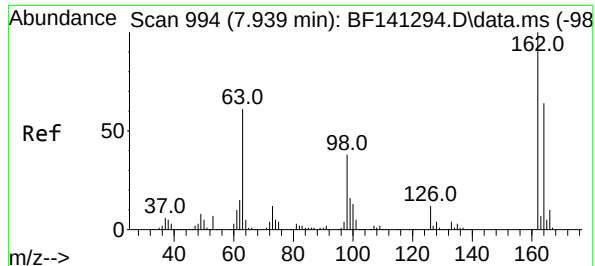
Ion Ratio Lower Upper

93 100

95 32.3 26.2 39.2

123 12.3 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 37.675 ng

RT: 7.940 min Scan# 994

Delta R.T. -0.006 min

Lab File: BF141298.D

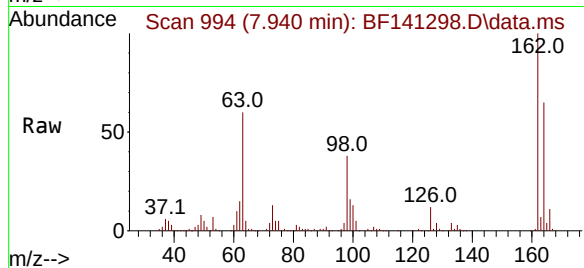
Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

ICVBF012925



Tgt Ion:162 Resp: 286090

Ion Ratio Lower Upper

162 100

164 65.1 44.2 84.2

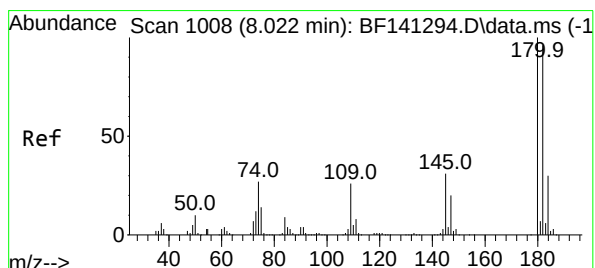
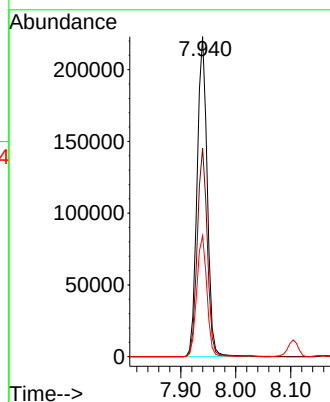
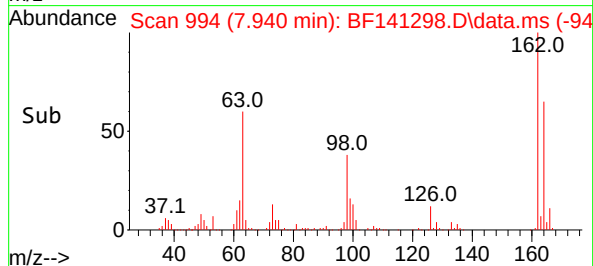
98 37.7 18.2 58.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#30

1,2,4-Trichlorobenzene

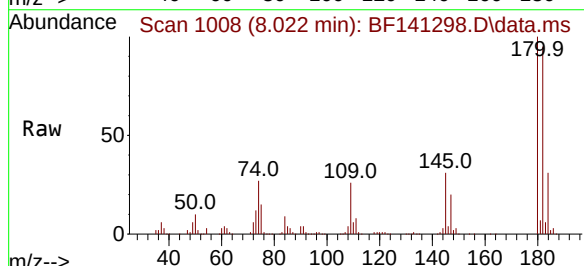
Concen: 36.488 ng

RT: 8.022 min Scan# 1008

Delta R.T. -0.006 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31



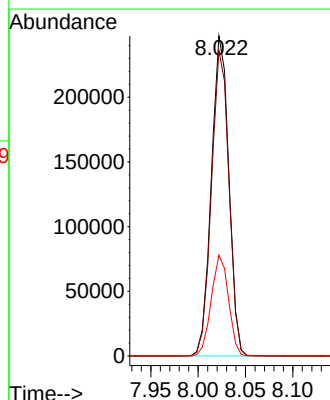
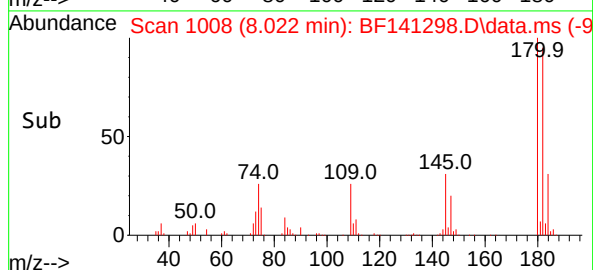
Tgt Ion:180 Resp: 316431

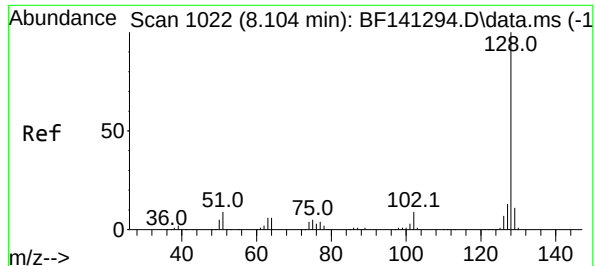
Ion Ratio Lower Upper

180 100

182 95.4 76.4 114.6

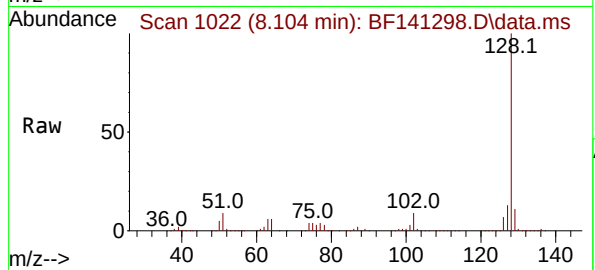
145 31.4 24.9 37.3





#31
Naphthalene
Concen: 37.128 ng
RT: 8.104 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

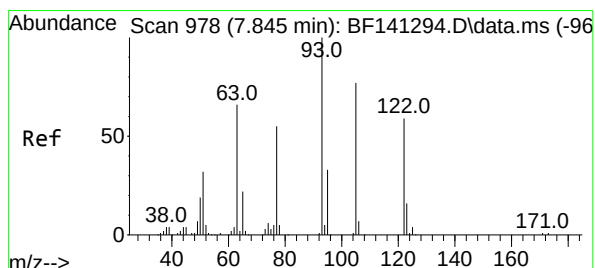
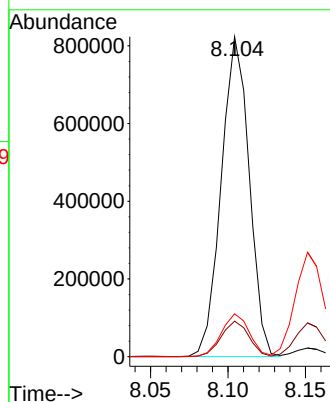
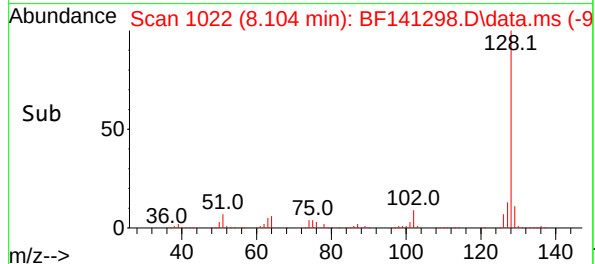
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



Tgt Ion:128 Resp: 103099
Ion Ratio Lower Upper
128 100
129 11.1 8.9 13.3
127 13.4 10.6 15.8

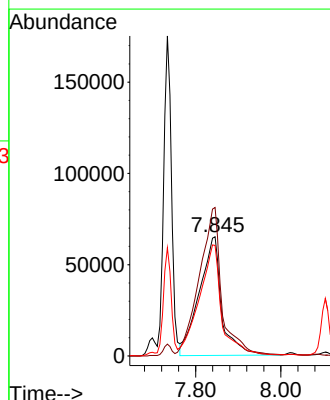
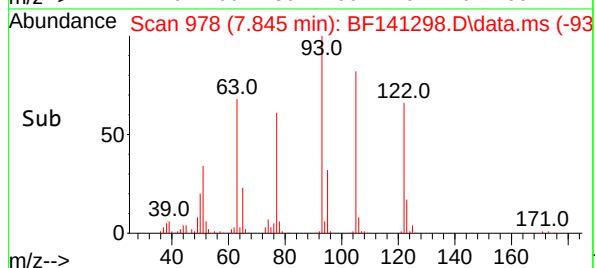
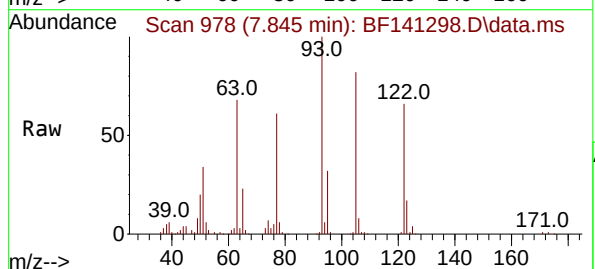
Manual Integrations
APPROVED

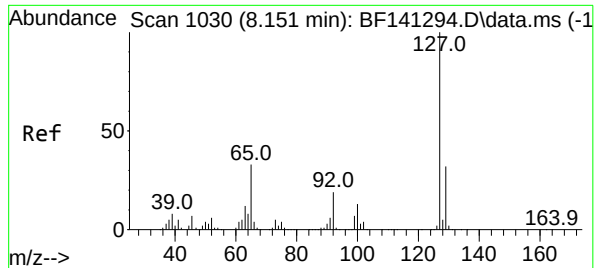
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#32
Benzoic acid
Concen: 41.534 ng
RT: 7.845 min Scan# 978
Delta R.T. -0.035 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

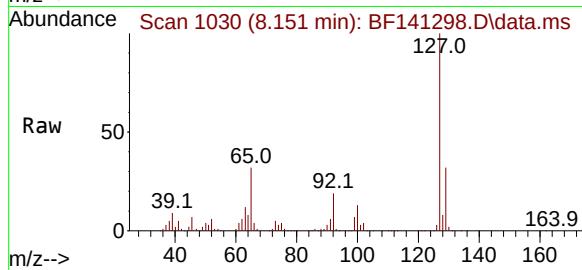
Tgt Ion:122 Resp: 236833
Ion Ratio Lower Upper
122 100
105 124.7 103.4 143.4
77 92.8 70.9 110.9





#33
4-Chloroaniline
Concen: 37.214 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

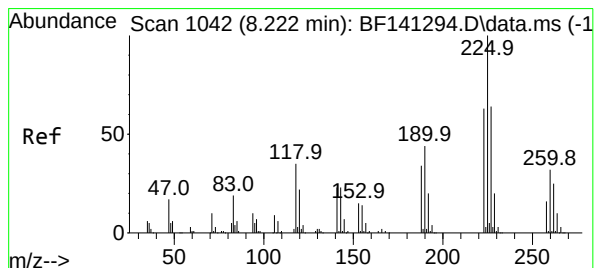
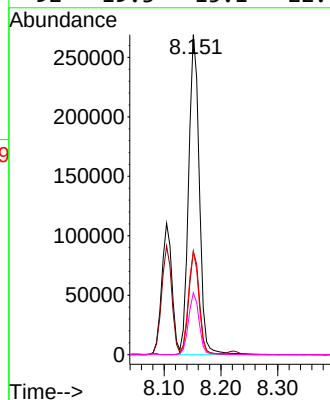
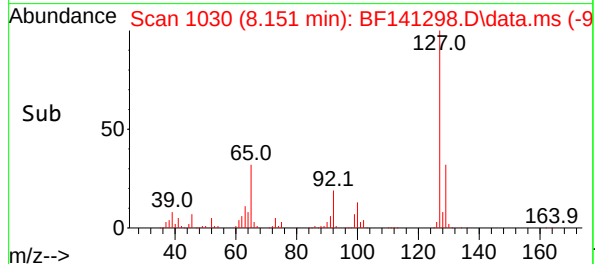
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



Tgt Ion:127 Resp: 35042
Ion Ratio Lower Upper
127 100
129 32.3 25.7 38.5
65 32.3 26.4 39.6
92 19.3 15.1 22.7

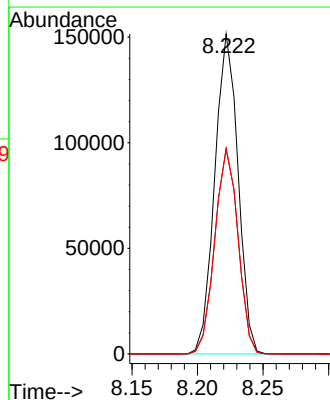
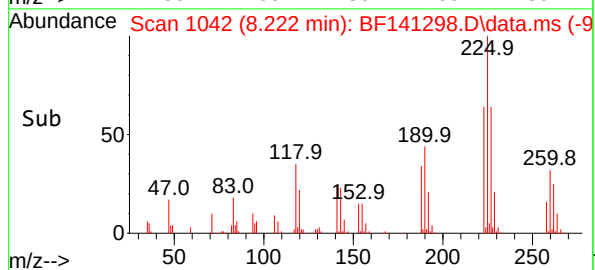
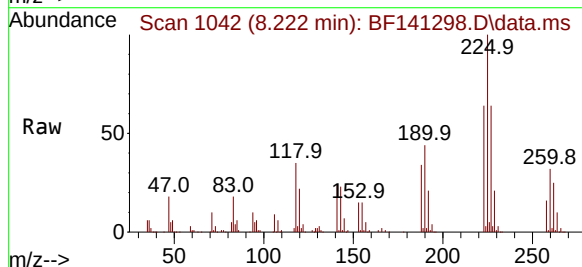
Manual Integrations
APPROVED

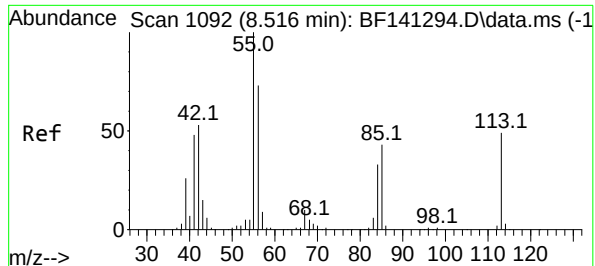
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#34
Hexachlorobutadiene
Concen: 36.676 ng
RT: 8.222 min Scan# 1042
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

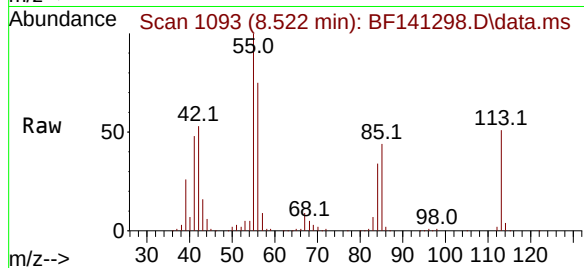
Tgt Ion:225 Resp: 186523
Ion Ratio Lower Upper
225 100
223 64.0 50.4 75.6
227 64.2 51.3 76.9





#35
Caprolactam
Concen: 37.662 ng
RT: 8.522 min Scan# 1093
Delta R.T. -0.024 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

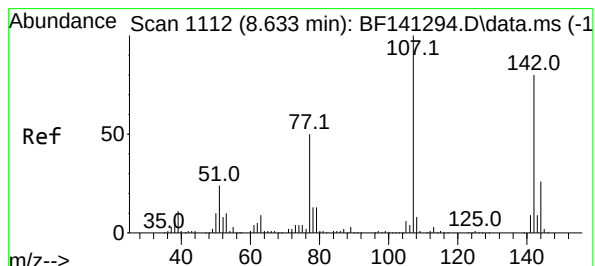
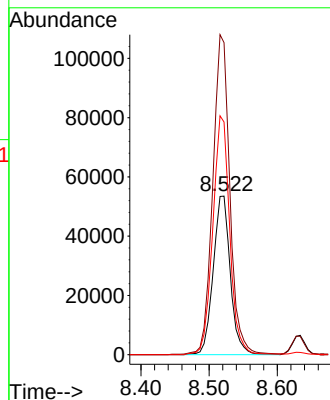
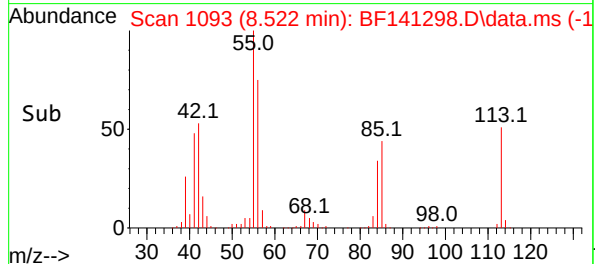
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



Tgt Ion:113 Resp: 9340
Ion Ratio Lower Upper
113 100
55 196.8 182.9 222.9
56 146.7 127.9 167.9

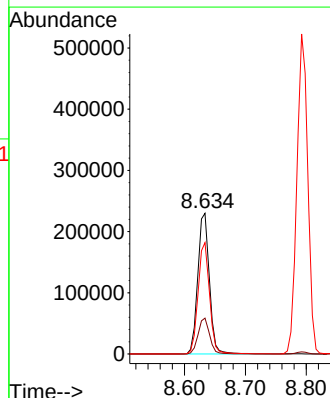
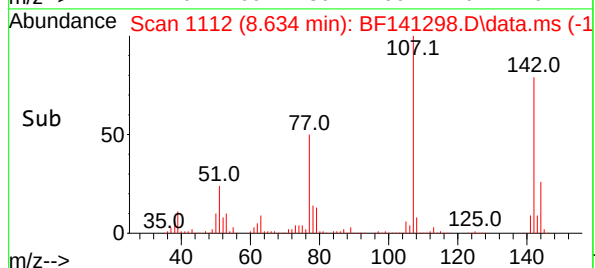
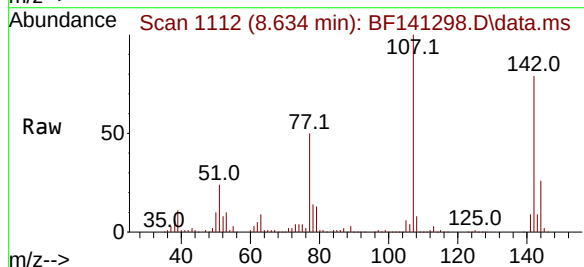
Manual Integrations
APPROVED

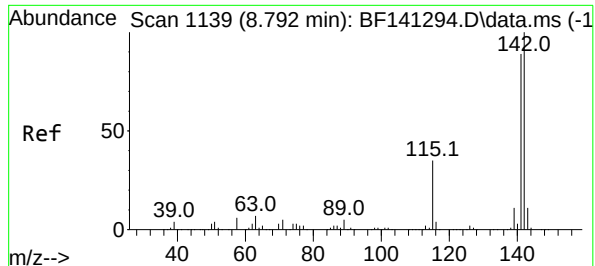
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#36
4-Chloro-3-methylphenol
Concen: 37.480 ng
RT: 8.634 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

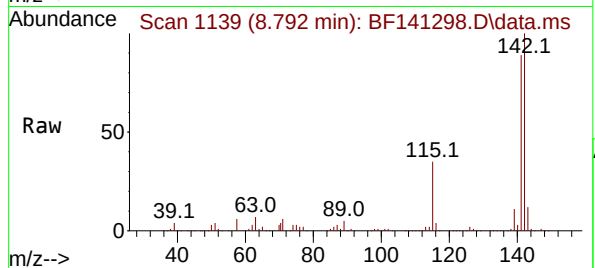
Tgt Ion:107 Resp: 305288
Ion Ratio Lower Upper
107 100
144 25.5 20.7 31.1
142 79.1 63.8 95.8





#37
2-Methylnaphthalene
Concen: 36.898 ng
RT: 8.792 min Scan# 1139
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

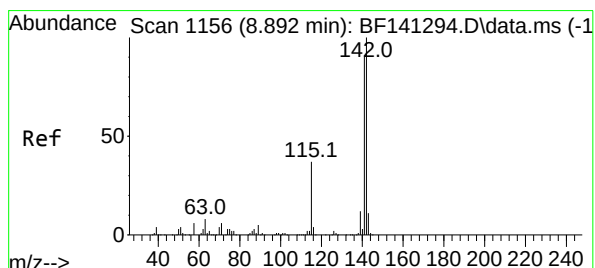
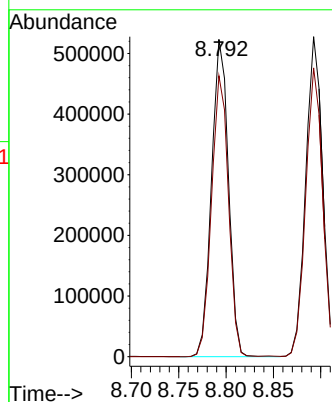
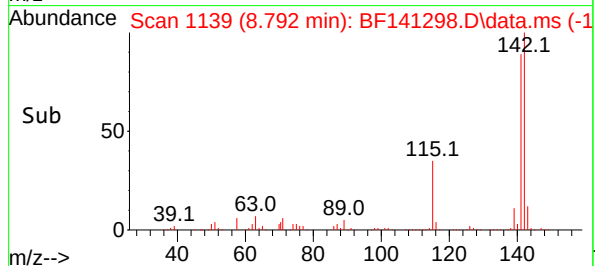
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



Tgt Ion:142 Resp: 65122
Ion Ratio Lower Upper
142 100
141 88.6 71.3 106.9

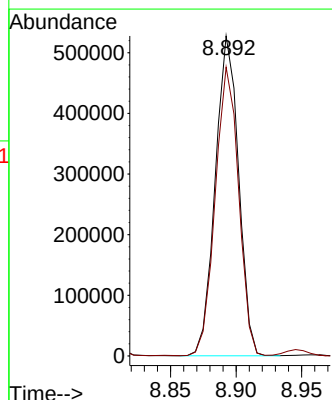
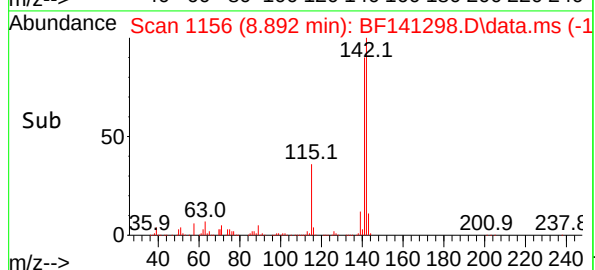
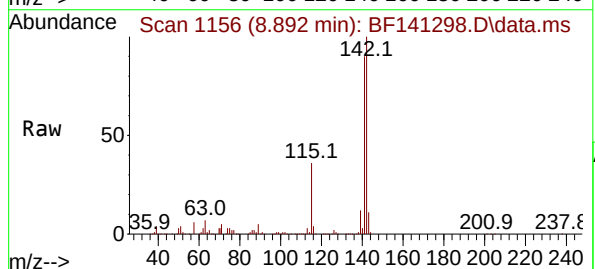
Manual Integrations
APPROVED

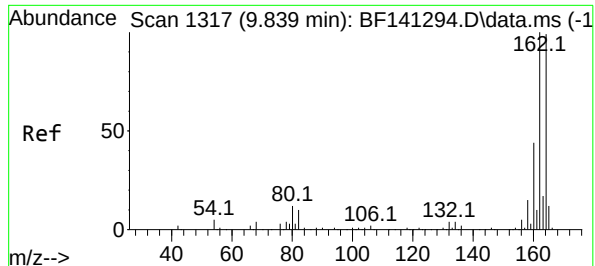
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#38
1-Methylnaphthalene
Concen: 37.570 ng
RT: 8.892 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:142 Resp: 651341
Ion Ratio Lower Upper
142 100
141 90.3 73.2 109.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.839 min Scan# 1167

Delta R.T. -0.000 min

Lab File: BF141298.D

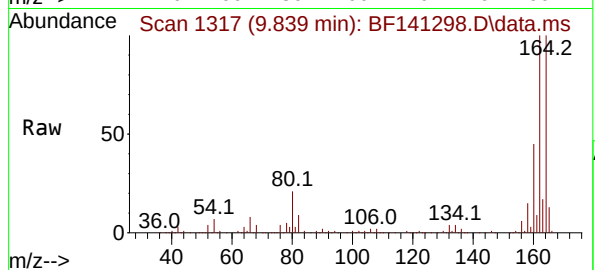
Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

ICVBF012925



Tgt Ion:164 Resp: 279764

Ion Ratio Lower Upper

164 100

162 99.8 80.6 121.0

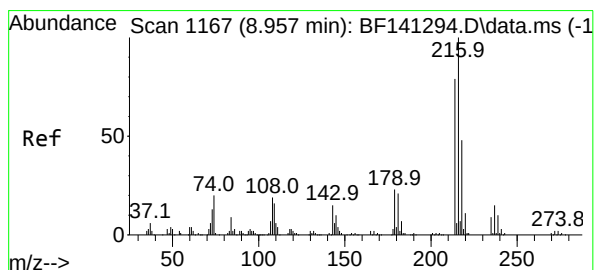
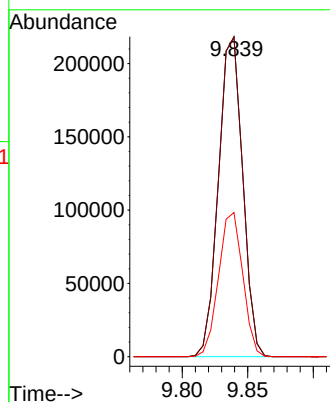
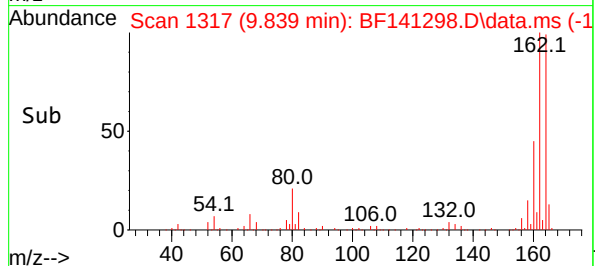
160 45.1 35.8 53.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#40

1,2,4,5-Tetrachlorobenzene

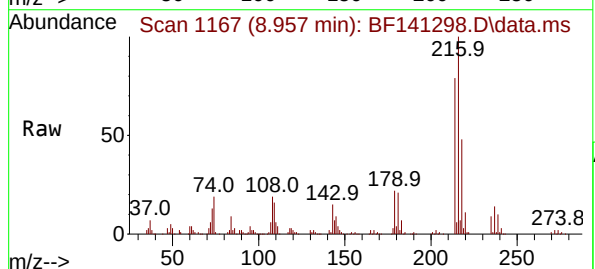
Concen: 37.226 ng

RT: 8.957 min Scan# 1167

Delta R.T. -0.006 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31



Tgt Ion:216 Resp: 296277

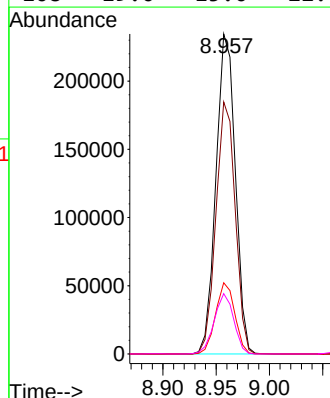
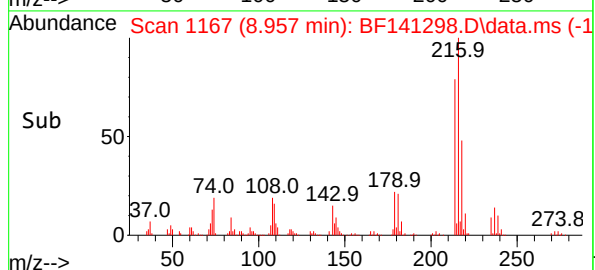
Ion Ratio Lower Upper

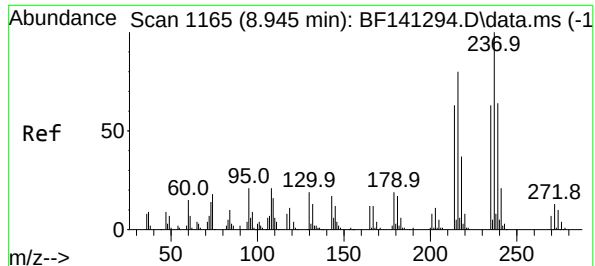
216 100

214 78.4 63.2 94.8

179 22.0 17.8 26.8

108 19.0 15.0 22.6





#41

Hexachlorocyclopentadiene

Concen: 39.961 ng

RT: 8.945 min Scan# 1165

Delta R.T. -0.006 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

ICVBF012925

Tgt Ion:237 Resp: 93930

Ion Ratio Lower Upper

237 100

235 64.9 42.9 82.9

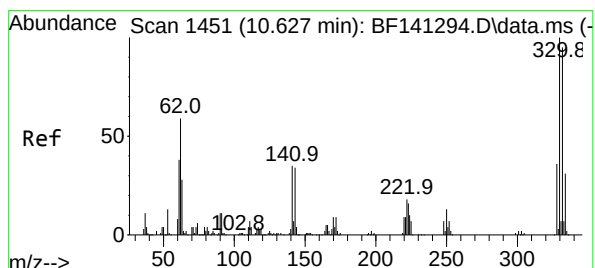
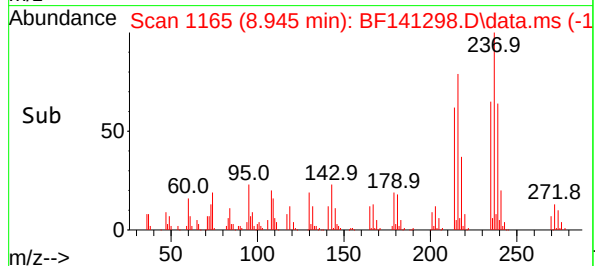
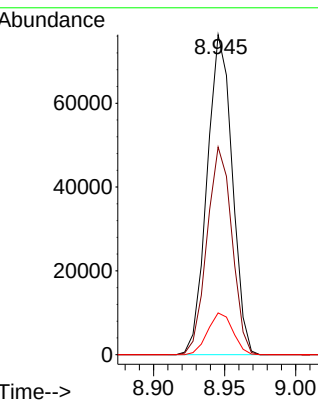
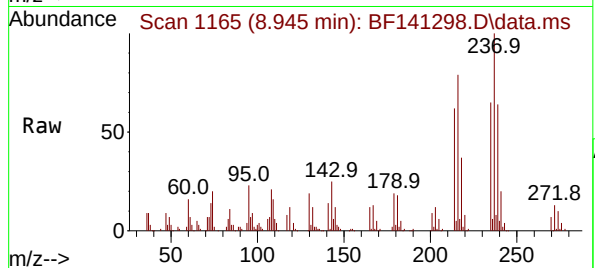
272 13.1 0.0 32.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#42

2,4,6-Tribromophenol

Concen: 75.161 ng

RT: 10.628 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

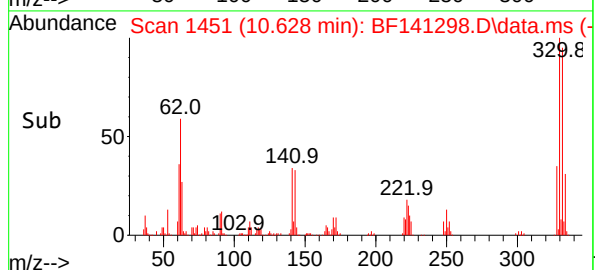
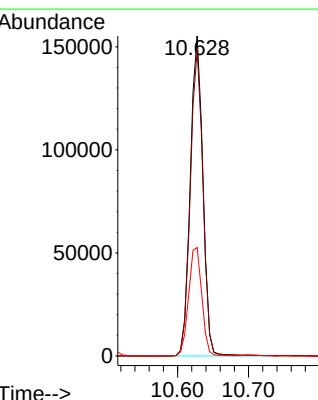
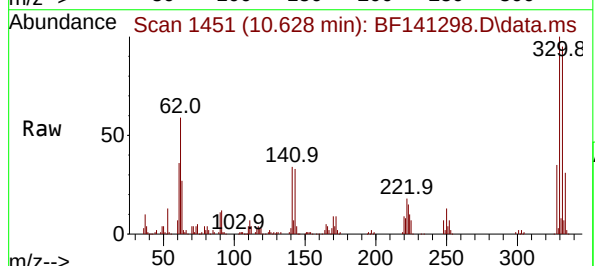
Tgt Ion:330 Resp: 192773

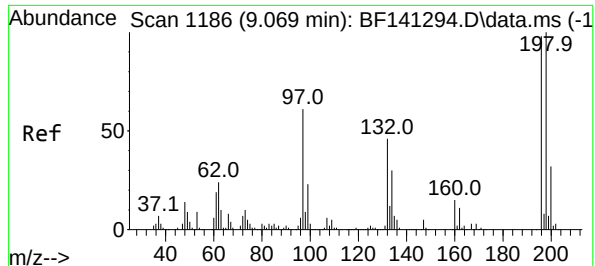
Ion Ratio Lower Upper

330 100

332 95.5 76.1 114.1

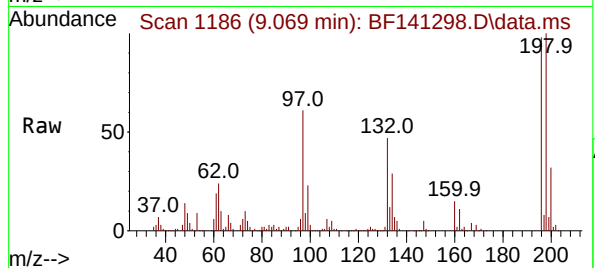
141 35.5 28.8 43.2





#43
2,4,6-Trichlorophenol
Concen: 38.625 ng
RT: 9.069 min Scan# 1186
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

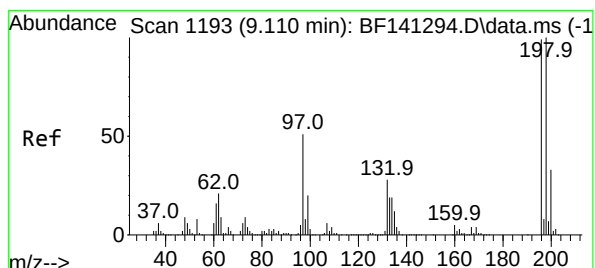
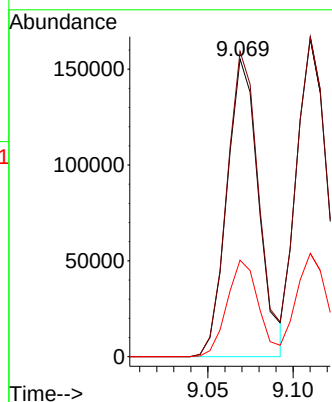
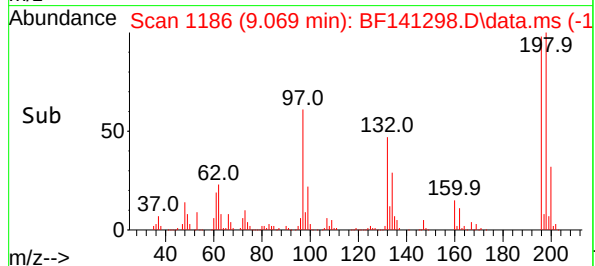
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



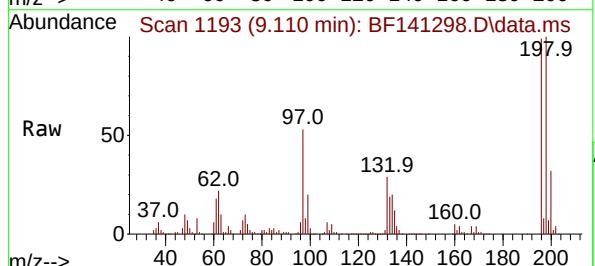
Tgt Ion:196 Resp: 201214
Ion Ratio Lower Upper
196 100
198 102.5 81.8 122.6
200 32.4 26.3 39.5

Manual Integrations
APPROVED

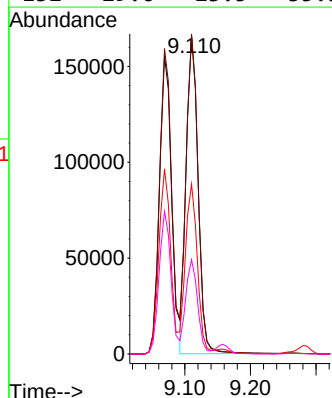
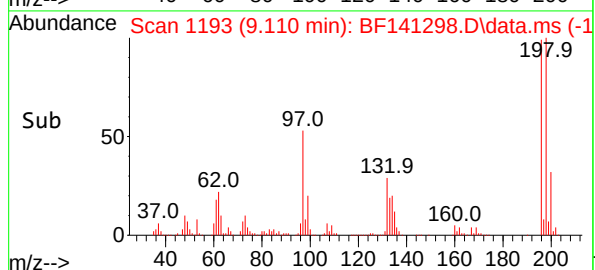
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

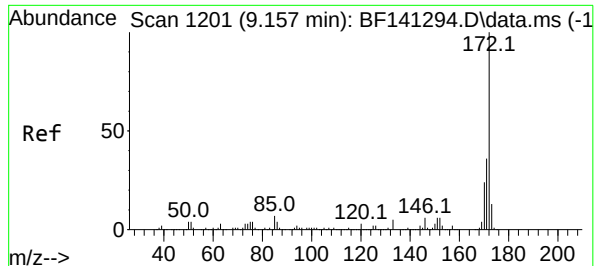


#44
2,4,5-Trichlorophenol
Concen: 36.969 ng
RT: 9.110 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31



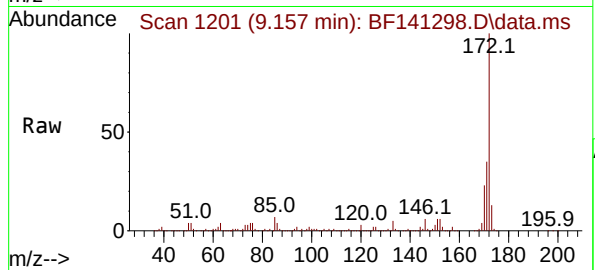
Tgt Ion:196 Resp: 209611
Ion Ratio Lower Upper
196 100
198 100.6 80.5 120.7
97 53.3 42.8 64.2
132 29.6 23.5 35.3





#45
2-Fluorobiphenyl
Concen: 72.938 ng
RT: 9.157 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

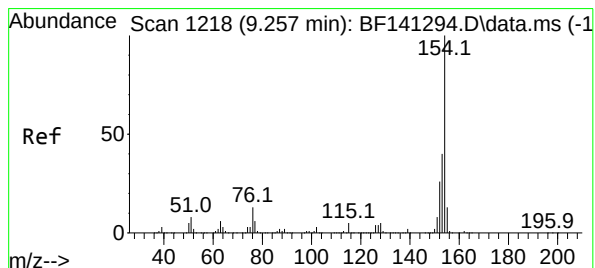
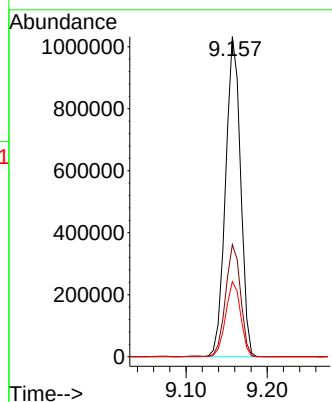
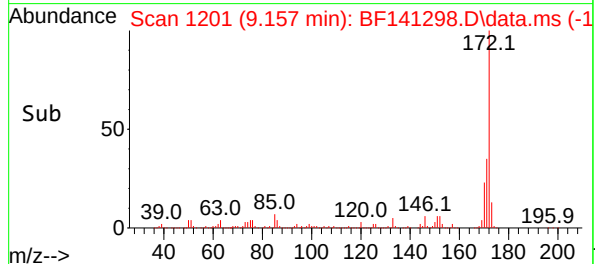
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



Tgt Ion:172 Resp: 1325725
Ion Ratio Lower Upper
172 100
171 35.0 28.8 43.2
170 23.4 19.0 28.6

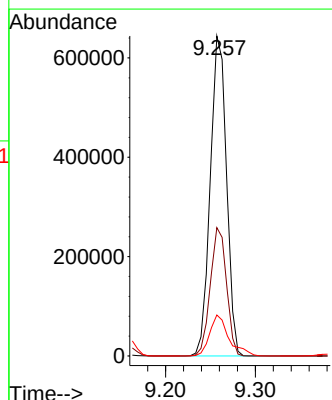
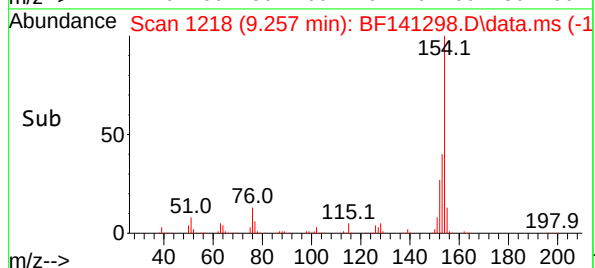
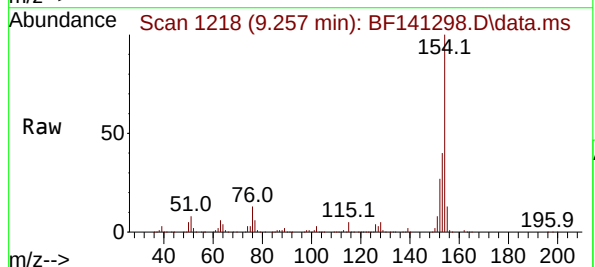
Manual Integrations
APPROVED

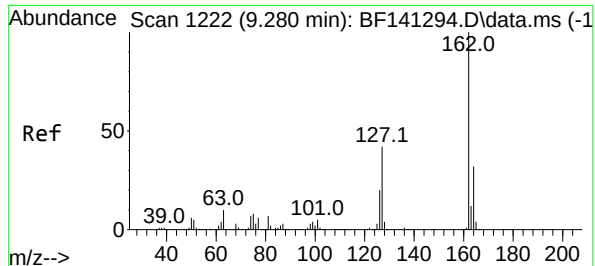
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#46
1,1'-Biphenyl
Concen: 37.111 ng
RT: 9.257 min Scan# 1218
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:154 Resp: 809694
Ion Ratio Lower Upper
154 100
153 40.1 20.0 60.0
76 12.8 0.0 32.8





#47

2-Chloronaphthalene

Concen: 36.837 ng

RT: 9.281 min Scan# 1222

Delta R.T. -0.006 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

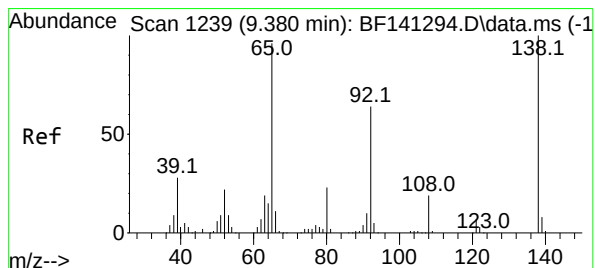
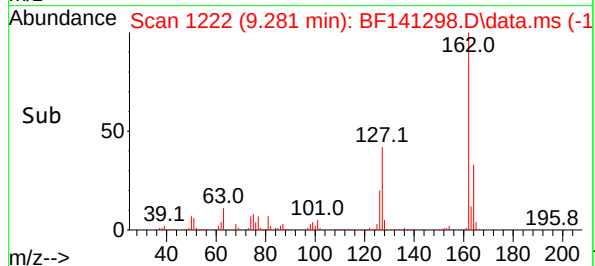
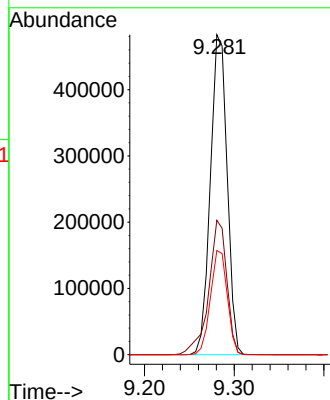
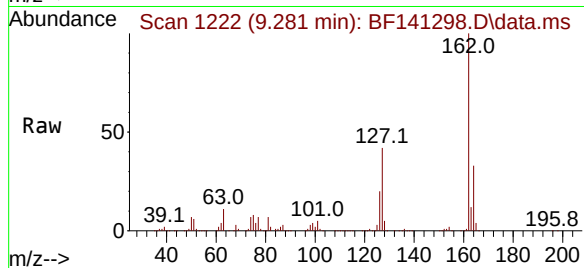
ClientSampleId :

ICVBF012925

Tgt Ion:162 Resp: 62645
Ion Ratio Lower Upper
162 100
127 42.0 33.7 50.5
164 32.5 25.9 38.9

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#48

2-Nitroaniline

Concen: 37.970 ng

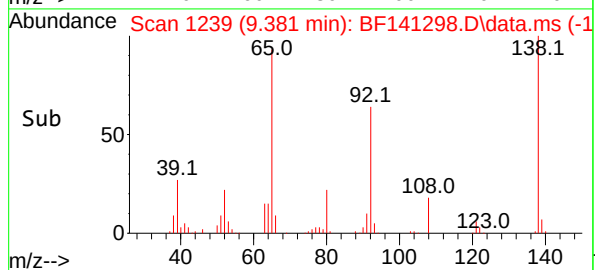
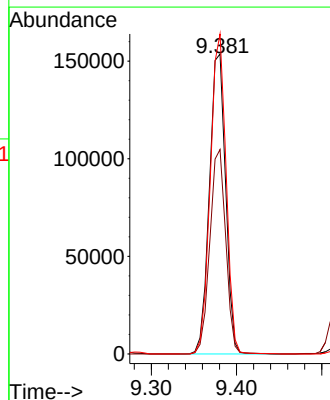
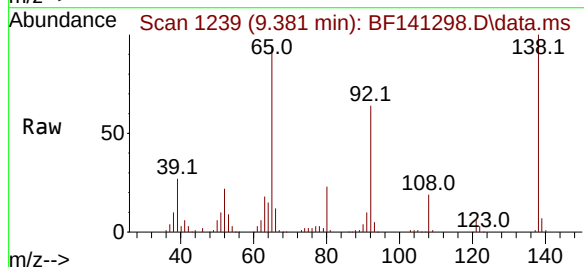
RT: 9.381 min Scan# 1239

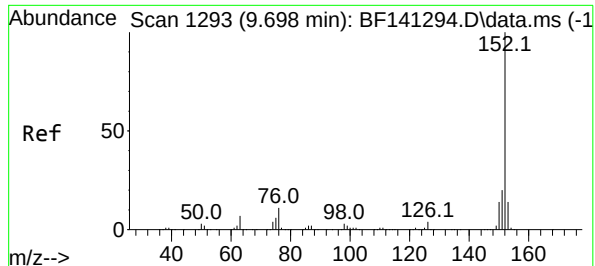
Delta R.T. -0.000 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

Tgt Ion: 65 Resp: 203104
Ion Ratio Lower Upper
65 100
92 68.1 53.3 79.9
138 106.7 83.6 125.4





#49

Acenaphthylene

Concen: 37.416 ng

RT: 9.698 min Scan# 1293

Delta R.T. -0.006 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

ICVBF012925

Tgt Ion:152 Resp: 890709

Ion Ratio Lower Upper

152 100

151 20.3 16.2 24.2

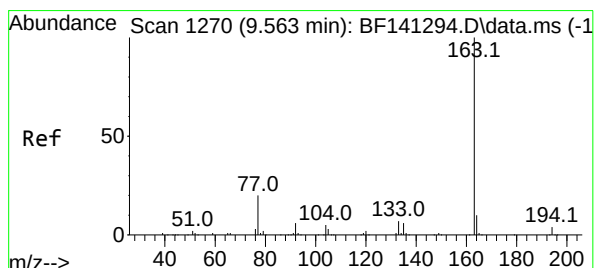
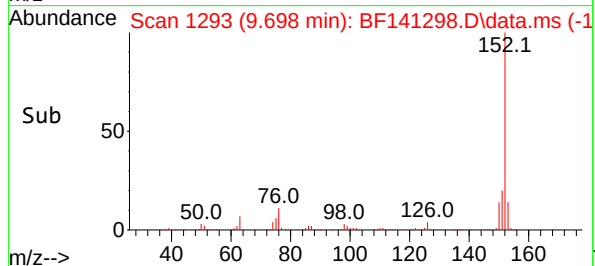
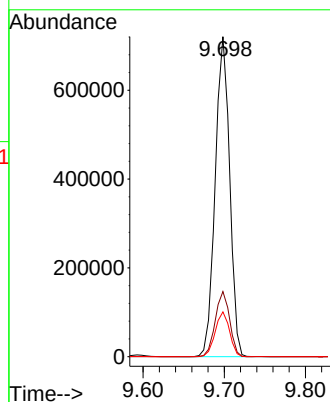
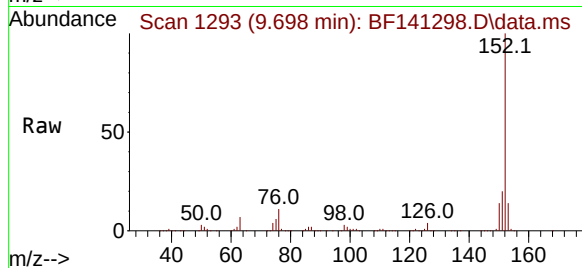
153 14.0 11.0 16.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#50

Dimethylphthalate

Concen: 36.904 ng

RT: 9.563 min Scan# 1270

Delta R.T. -0.006 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

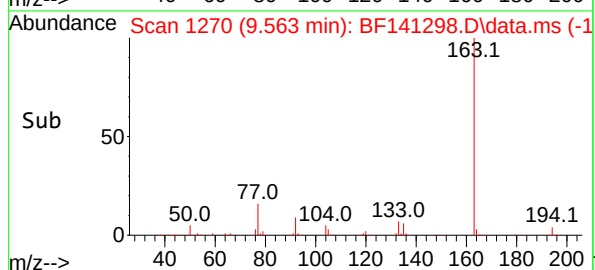
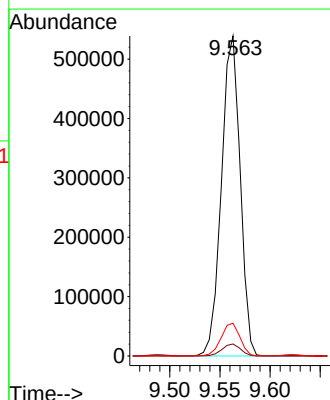
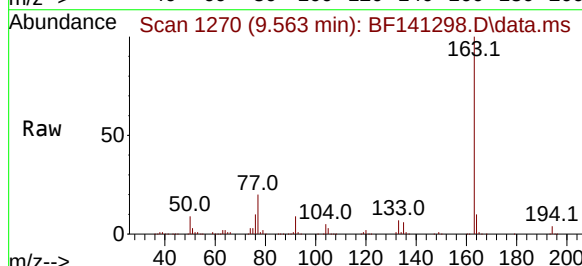
Tgt Ion:163 Resp: 697300

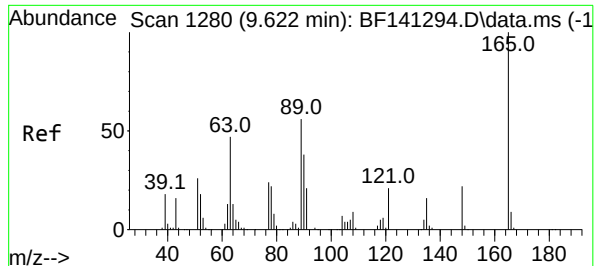
Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.6

164 10.2 8.0 12.0





#51
2,6-Dinitrotoluene
Concen: 37.459 ng
RT: 9.622 min Scan# 1280
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

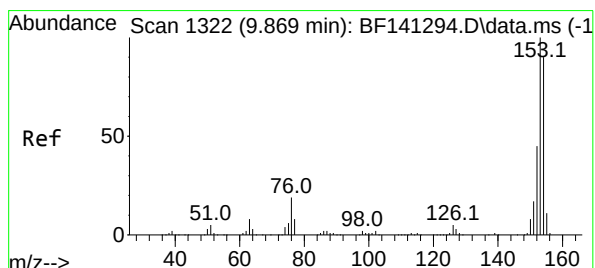
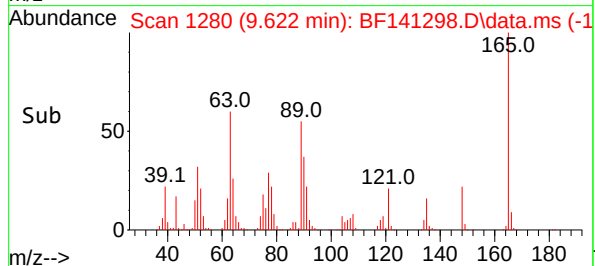
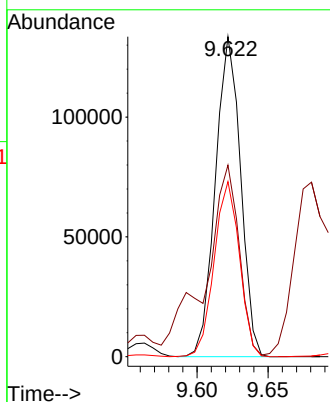
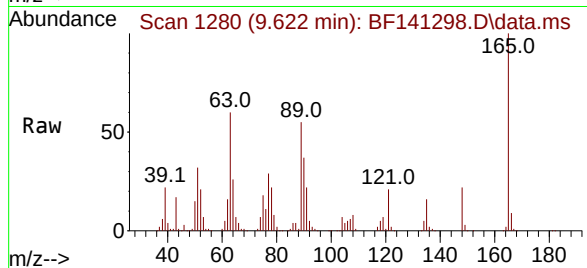
ICVBF012925

Tgt Ion:165 Resp: 16434
Ion Ratio Lower Upper
165 100
63 59.9 48.1 72.1
89 54.7 44.9 67.3

Manual Integrations

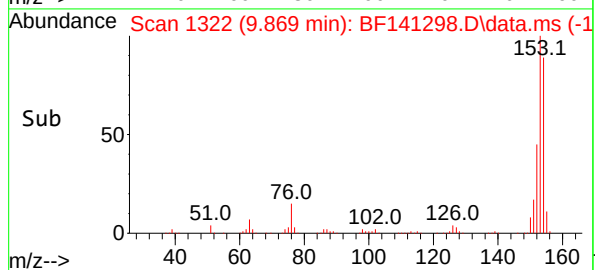
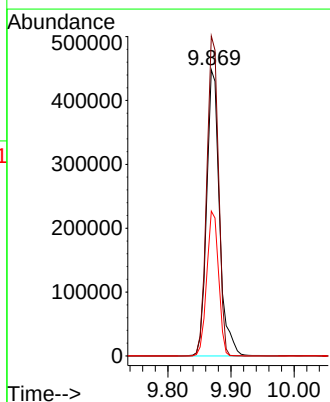
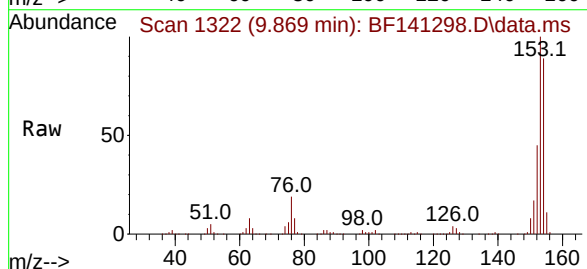
APPROVED

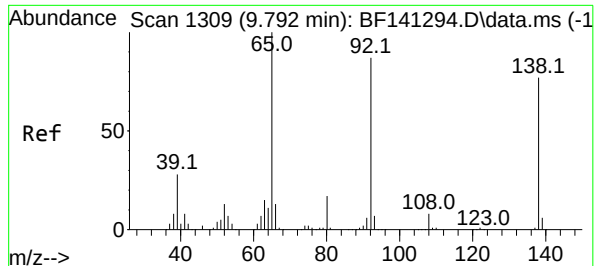
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#52
Acenaphthene
Concen: 37.206 ng
RT: 9.869 min Scan# 1322
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

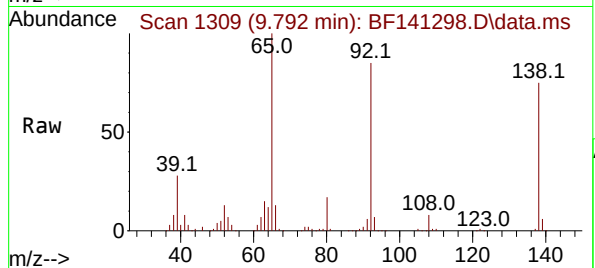
Tgt Ion:154 Resp: 632756
Ion Ratio Lower Upper
154 100
153 111.8 89.0 133.4
152 50.6 40.2 60.4





#53
3-Nitroaniline
Concen: 38.150 ng
RT: 9.792 min Scan# 1309
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

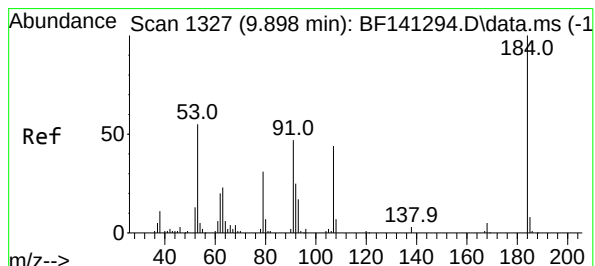
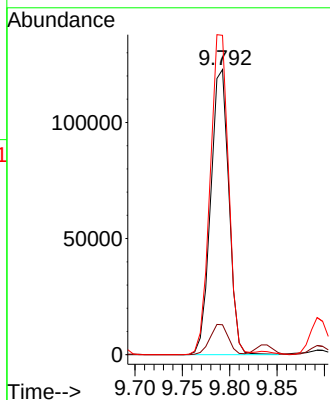
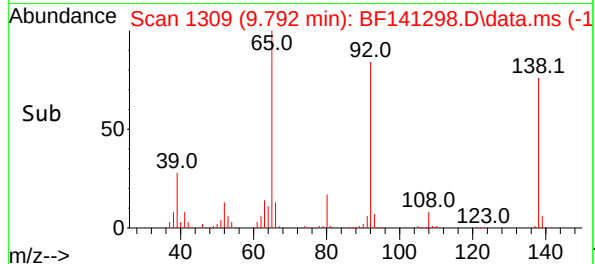
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



Tgt Ion:138 Resp: 16404
Ion Ratio Lower Upper
138 100
108 10.5 8.6 12.8
92 112.1 91.0 136.6

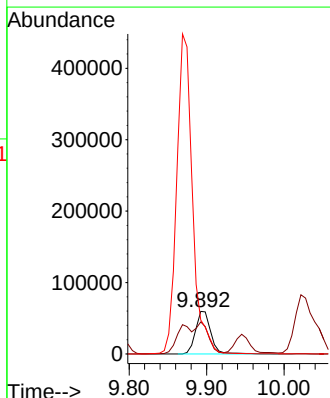
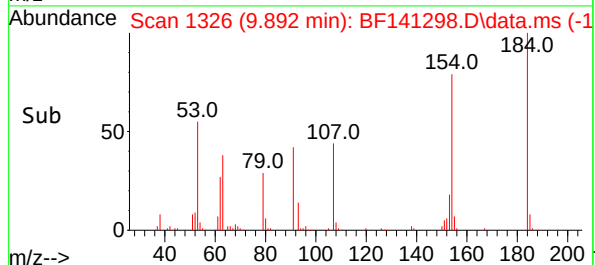
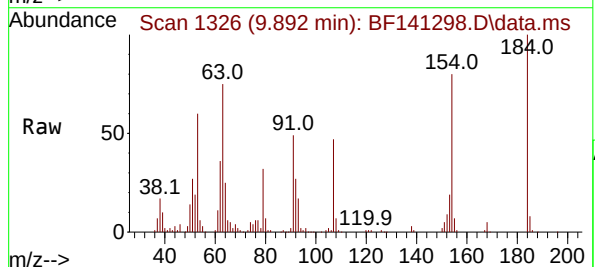
Manual Integrations
APPROVED

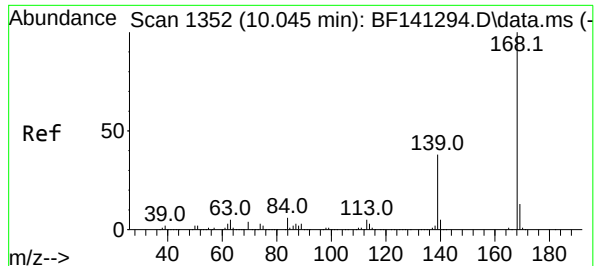
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#54
2,4-Dinitrophenol
Concen: 39.734 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:184 Resp: 81034
Ion Ratio Lower Upper
184 100
63 75.3 54.1 81.1
154 79.6 50.7 76.1#





#55

Dibenzofuran

Concen: 37.012 ng

RT: 10.045 min Scan# 1352

Delta R.T. -0.000 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

ICVBF012925

Tgt Ion:168 Resp: 84255

Ion Ratio Lower Upper

168 100

139 38.2 30.6 46.0

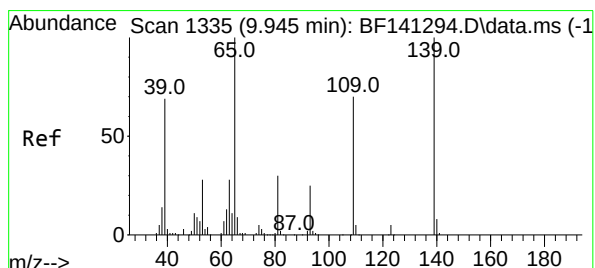
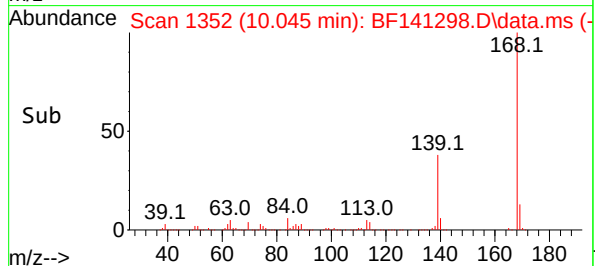
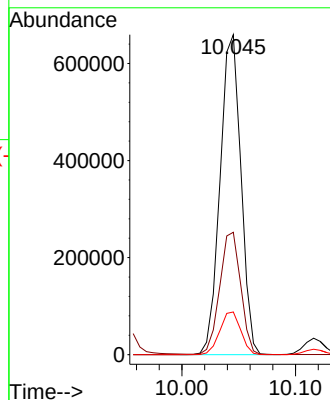
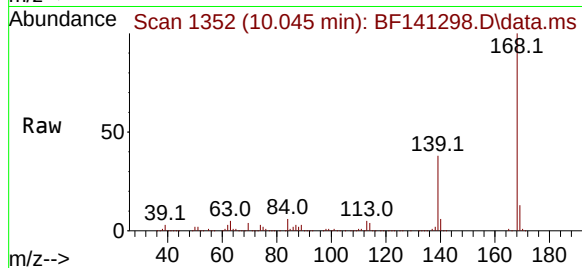
169 13.4 10.8 16.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#56

4-Nitrophenol

Concen: 39.089 ng

RT: 9.945 min Scan# 1335

Delta R.T. -0.012 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

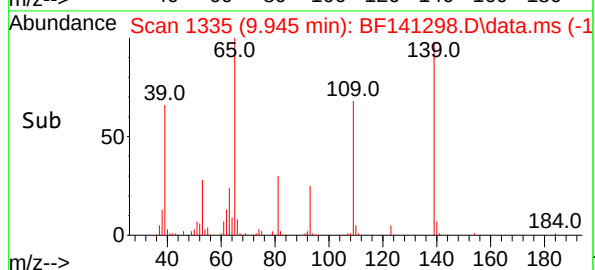
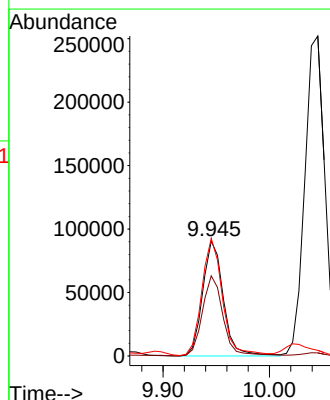
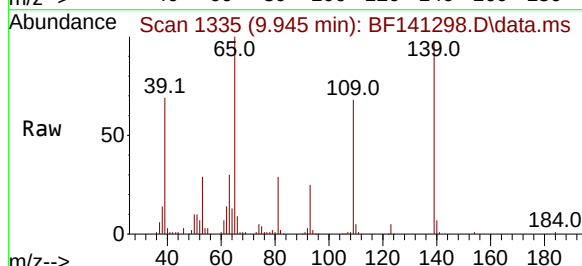
Tgt Ion:139 Resp: 122925

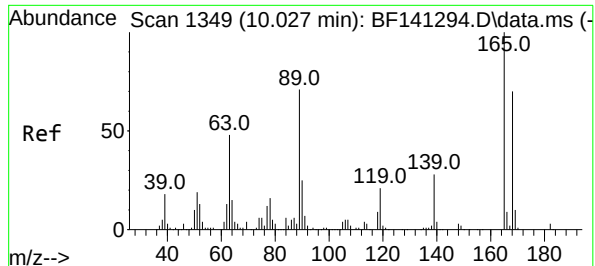
Ion Ratio Lower Upper

139 100

109 69.7 50.2 90.2

65 102.4 80.6 120.6





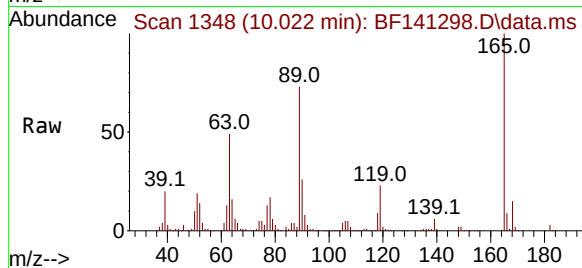
#57
2,4-Dinitrotoluene
Concen: 38.327 ng
RT: 10.022 min Scan# 1348
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

ICVBF012925

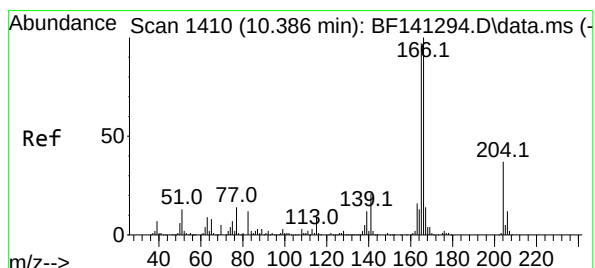
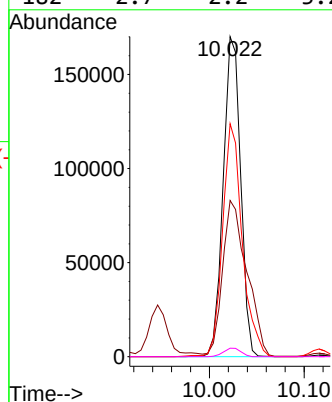
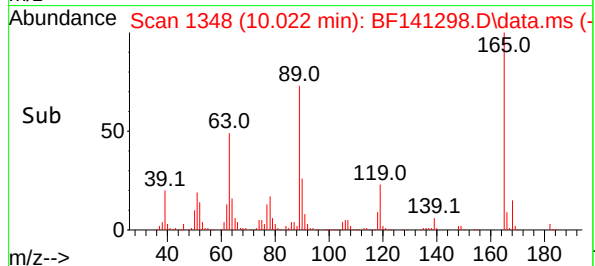


Tgt Ion:165 Resp: 21770
Ion Ratio Lower Upper
165 100
63 48.8 39.2 58.8
89 72.8 56.9 85.3
182 2.7 2.2 3.2

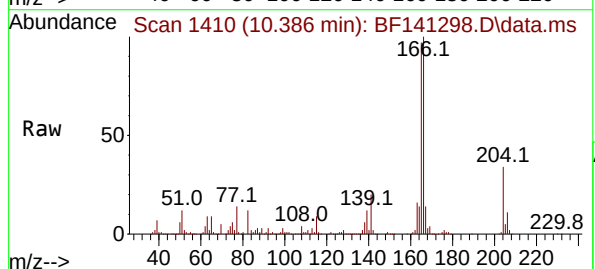
Manual Integrations

APPROVED

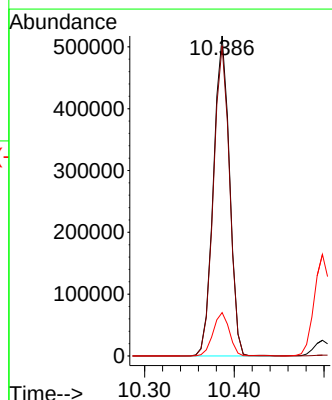
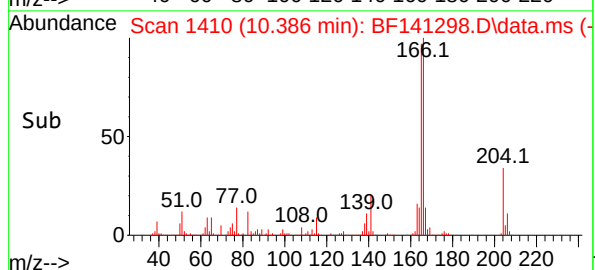
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

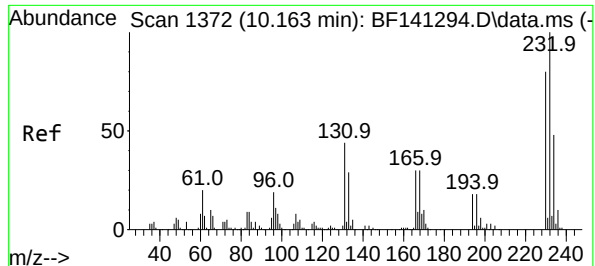


#58
Fluorene
Concen: 36.451 ng
RT: 10.386 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31



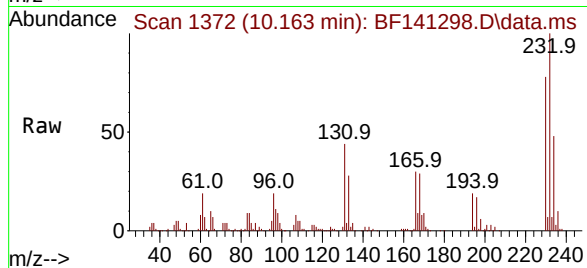
Tgt Ion:166 Resp: 643639
Ion Ratio Lower Upper
166 100
165 96.9 77.5 116.3
167 13.6 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 37.902 ng
RT: 10.163 min Scan# 1372
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

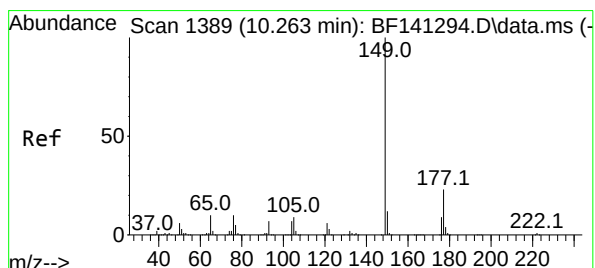
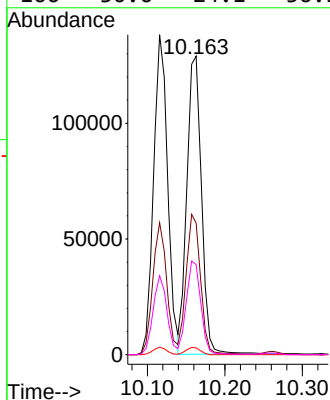
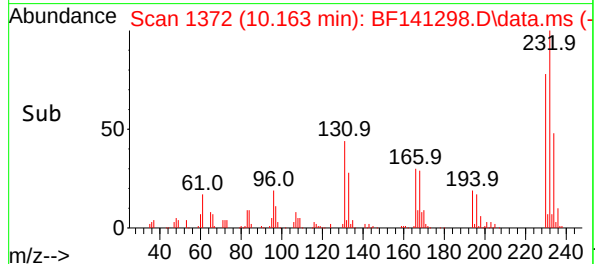
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



Tgt Ion:232 Resp: 169061
Ion Ratio Lower Upper
232 100
131 46.5 36.4 54.6
130 2.4 1.9 2.9
166 30.6 24.1 36.1

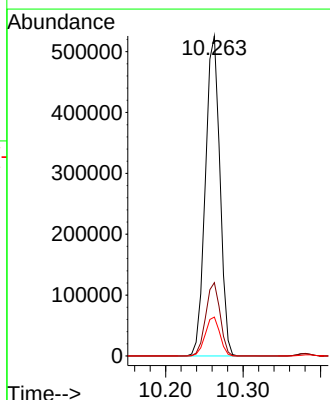
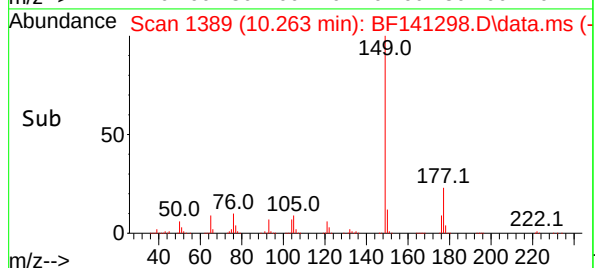
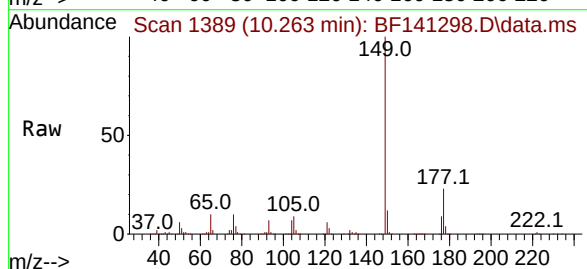
Manual Integrations
APPROVED

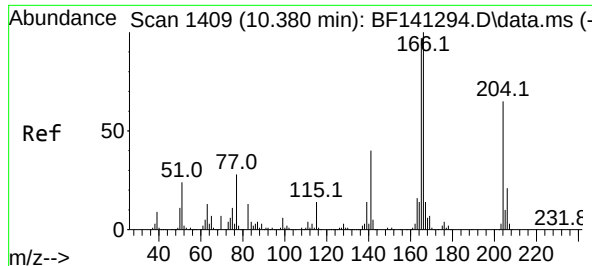
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#60
Diethylphthalate
Concen: 37.316 ng
RT: 10.263 min Scan# 1389
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

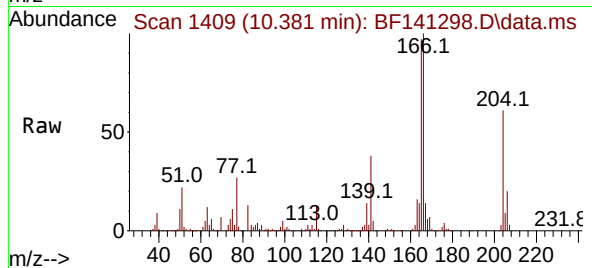
Tgt Ion:149 Resp: 683674
Ion Ratio Lower Upper
149 100
177 22.9 18.5 27.7
150 12.1 10.0 15.0





#61
4-Chlorophenyl-phenylether
Concen: 36.180 ng
RT: 10.381 min Scan# 1409
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

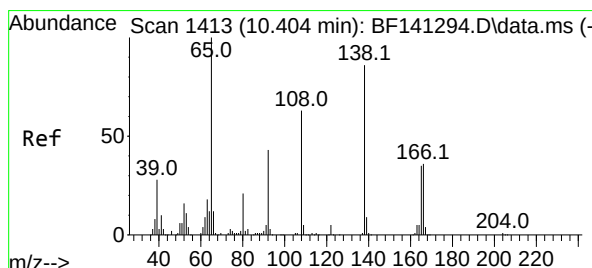
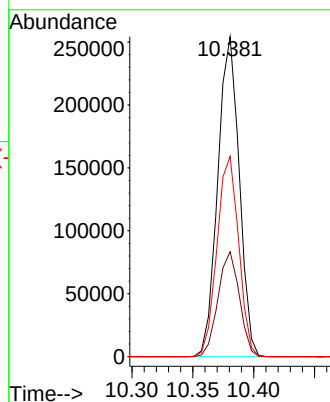
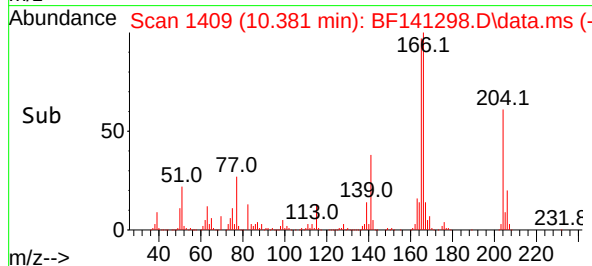
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



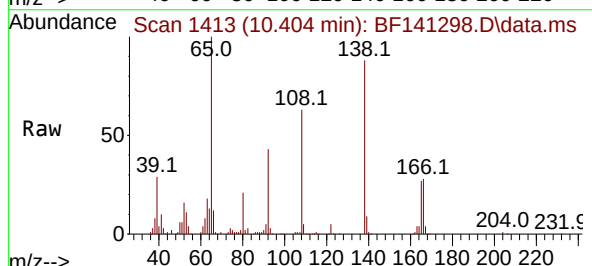
Tgt Ion:204 Resp: 31206
Ion Ratio Lower Upper
204 100
206 32.8 25.9 38.9
141 62.6 49.5 74.3

Manual Integrations
APPROVED

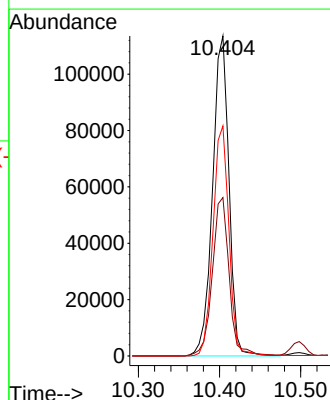
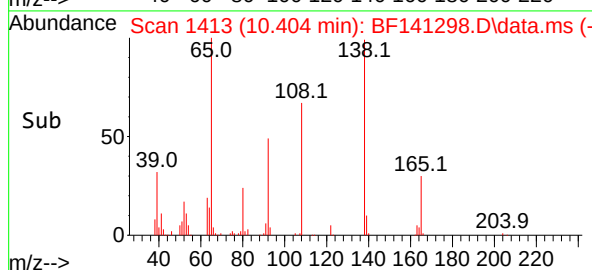
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

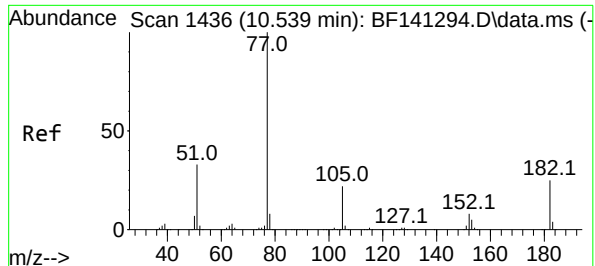


#62
4-Nitroaniline
Concen: 37.665 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31



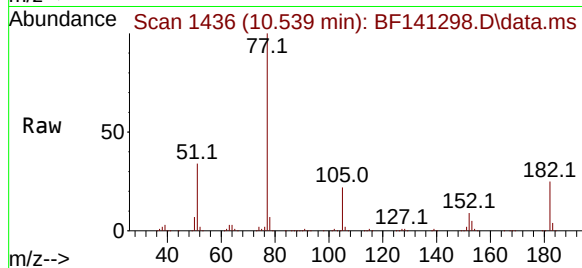
Tgt Ion:138 Resp: 159227
Ion Ratio Lower Upper
138 100
92 49.5 30.1 70.1
108 71.9 53.1 93.1





#63
Azobenzene
Concen: 37.020 ng
RT: 10.539 min Scan# 1436
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

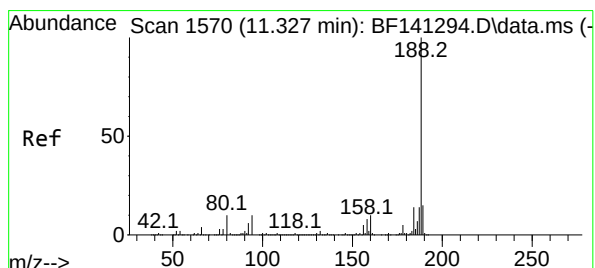
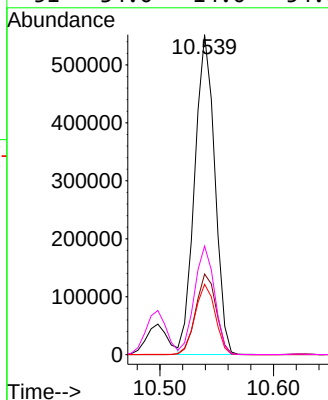
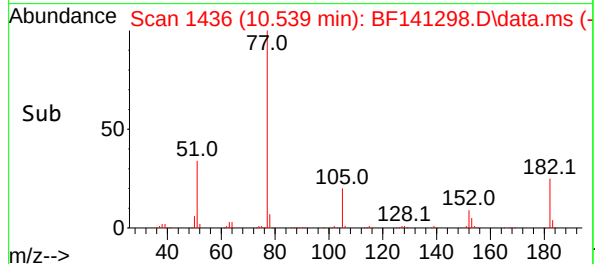
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



Tgt Ion: 77 Resp: 678905
Ion Ratio Lower Upper
77 100
182 25.2 5.1 45.1
105 22.0 1.8 41.8
51 34.0 14.0 54.0

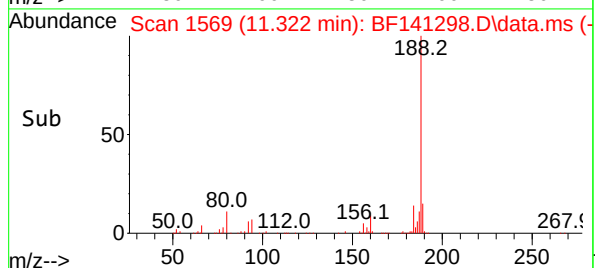
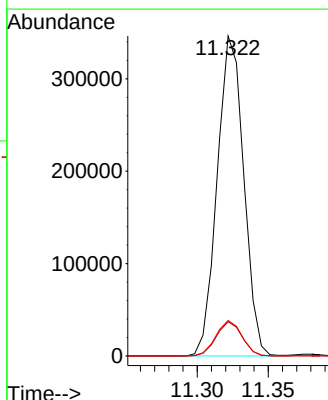
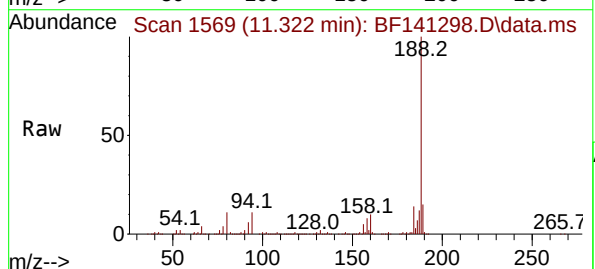
Manual Integrations
APPROVED

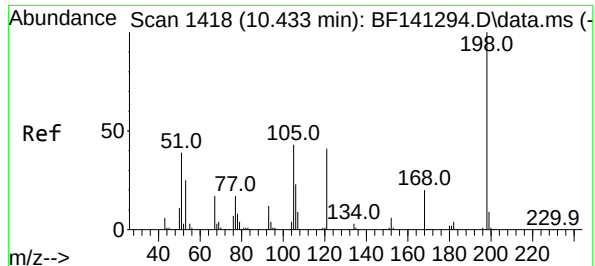
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:188 Resp: 450291
Ion Ratio Lower Upper
188 100
94 10.7 7.8 11.6
80 11.1 8.2 12.4





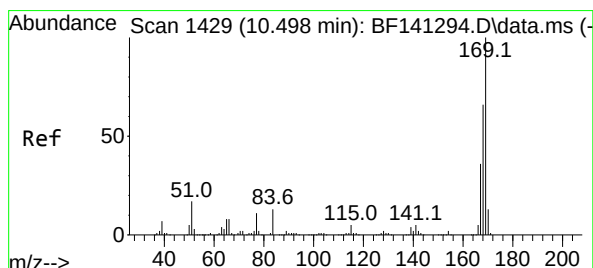
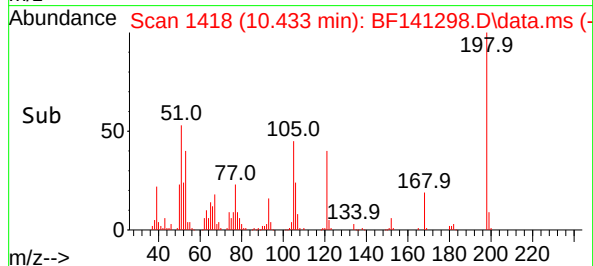
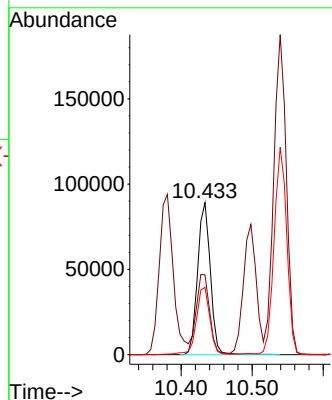
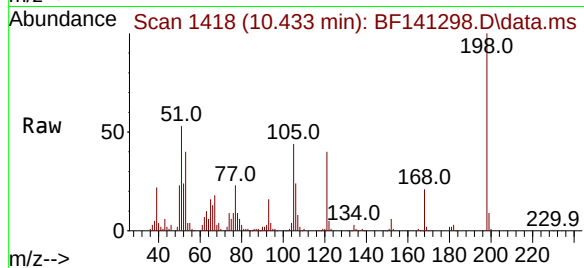
#65
4,6-Dinitro-2-methylphenol
Concen: 41.913 ng
RT: 10.433 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Tgt Ion:198 Resp: 111638
Ion Ratio Lower Upper
198 100
51 52.5 33.4 73.4
105 44.4 24.4 64.4

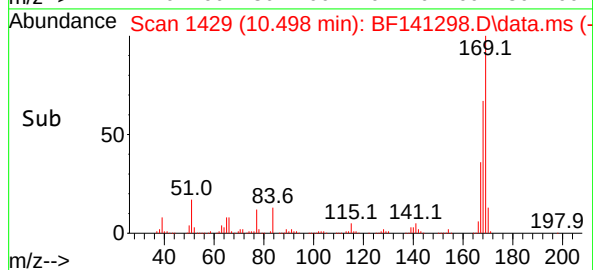
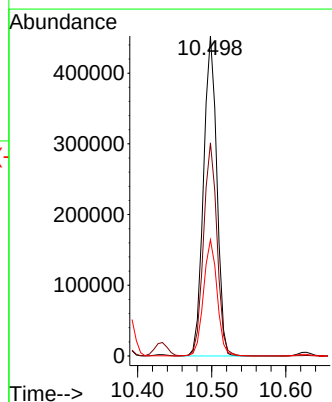
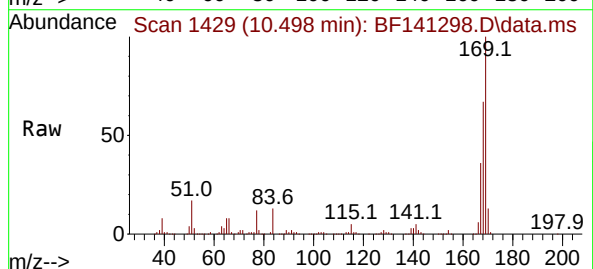
Manual Integrations
APPROVED

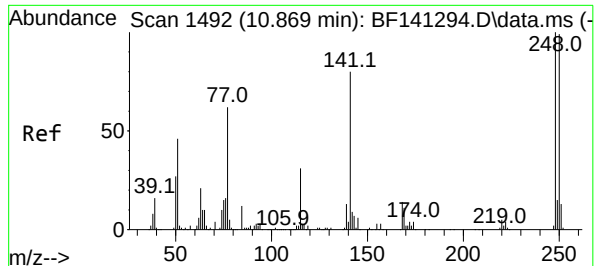
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#66
n-Nitrosodiphenylamine
Concen: 38.757 ng
RT: 10.498 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

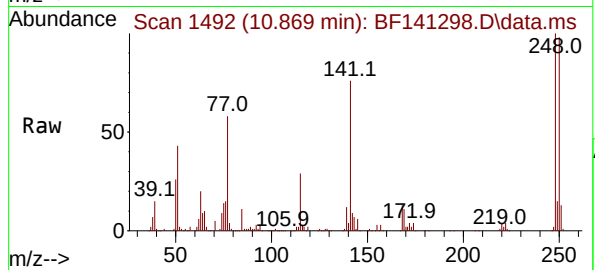
Tgt Ion:169 Resp: 564452
Ion Ratio Lower Upper
169 100
168 66.6 53.0 79.4
167 36.3 28.8 43.2





#67
4-Bromophenyl-phenylether
Concen: 39.477 ng
RT: 10.869 min Scan# 1492
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

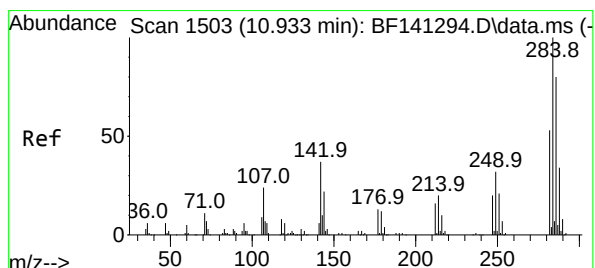
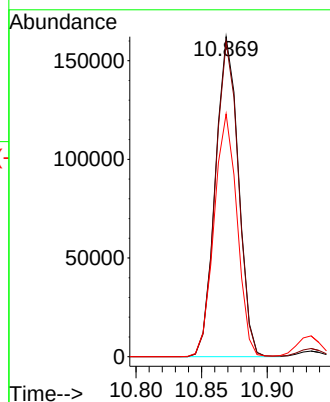
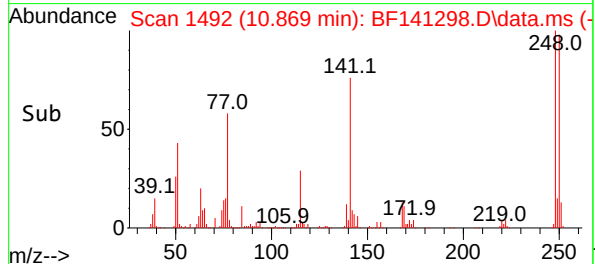
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



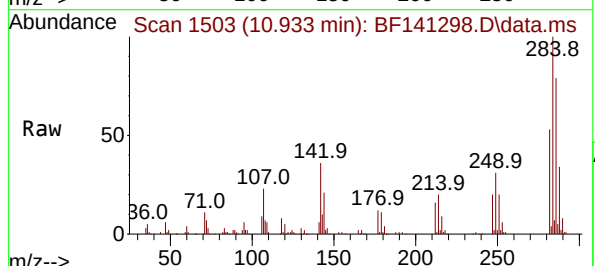
Tgt Ion:248 Resp: 199009
Ion Ratio Lower Upper
248 100
250 98.4 79.0 118.4
141 75.9 63.7 95.5

Manual Integrations
APPROVED

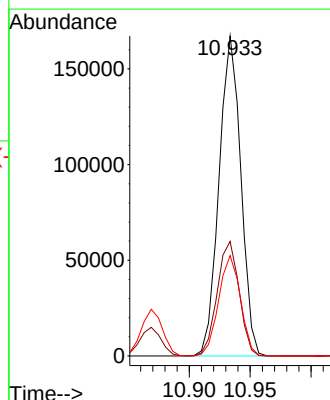
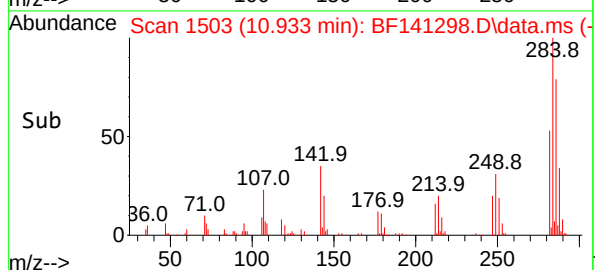
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

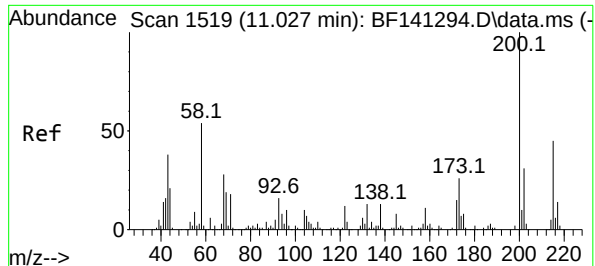


#68
Hexachlorobenzene
Concen: 38.929 ng
RT: 10.933 min Scan# 1503
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31



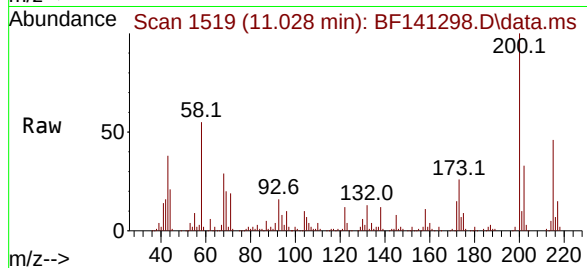
Tgt Ion:284 Resp: 208171
Ion Ratio Lower Upper
284 100
142 35.8 29.5 44.3
249 31.3 25.4 38.2





#69
Atrazine
Concen: 39.215 ng
RT: 11.028 min Scan# 1519
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

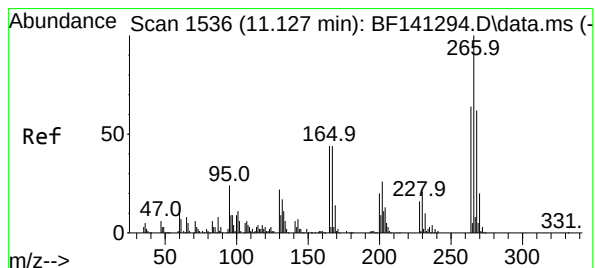
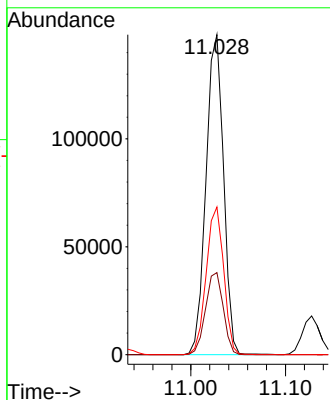
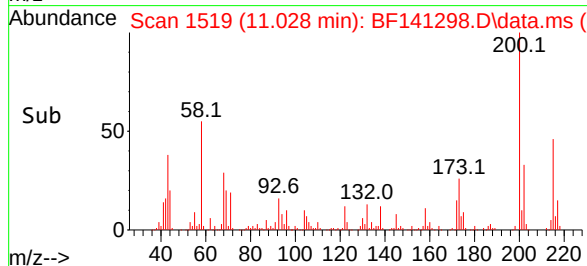
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



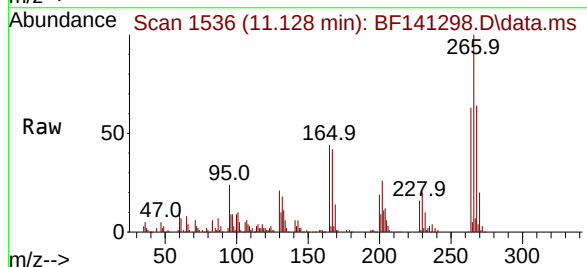
Tgt Ion:200 Resp: 190958
Ion Ratio Lower Upper
200 100
173 25.7 5.9 45.9
215 46.1 25.2 65.2

Manual Integrations
APPROVED

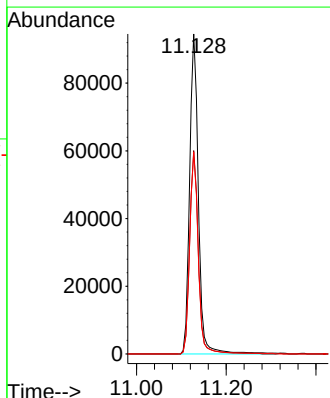
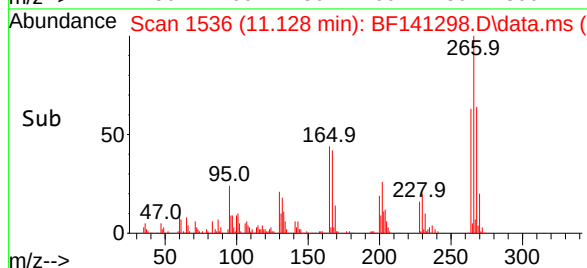
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

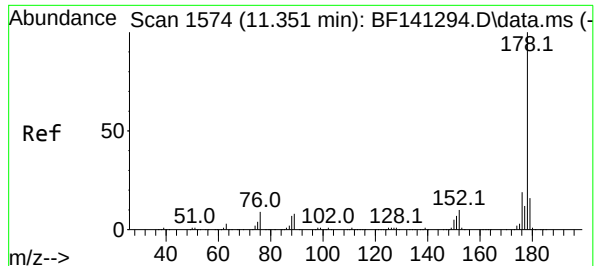


#70
Pentachlorophenol
Concen: 40.973 ng
RT: 11.128 min Scan# 1536
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31



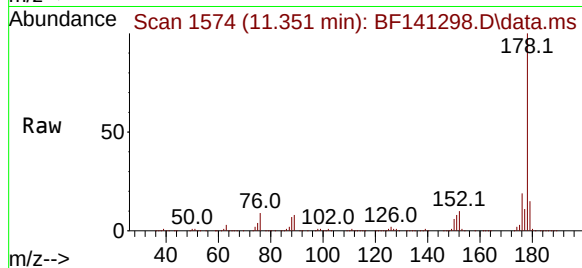
Tgt Ion:266 Resp: 128300
Ion Ratio Lower Upper
266 100
268 63.6 49.9 74.9
264 63.0 51.0 76.4





#71
Phenanthrene
Concen: 38.117 ng
RT: 11.351 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

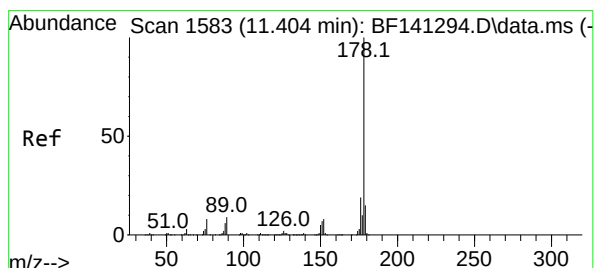
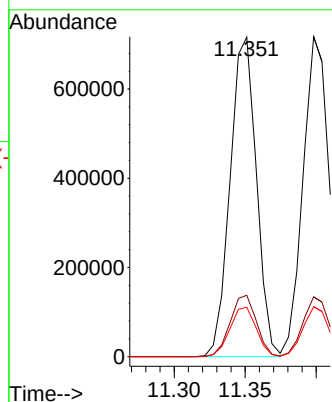
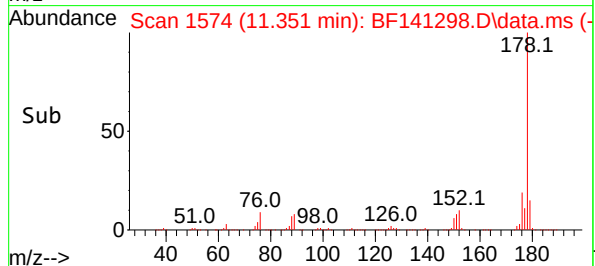
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



Tgt Ion:178 Resp: 922625
Ion Ratio Lower Upper
178 100
176 19.2 15.3 22.9
179 15.5 12.5 18.7

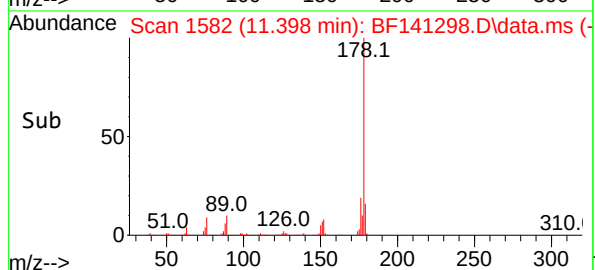
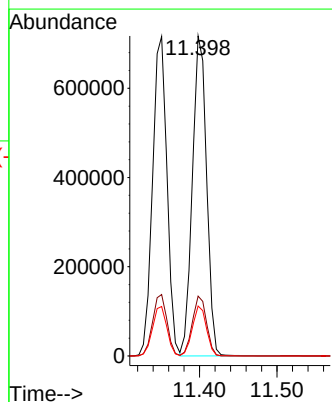
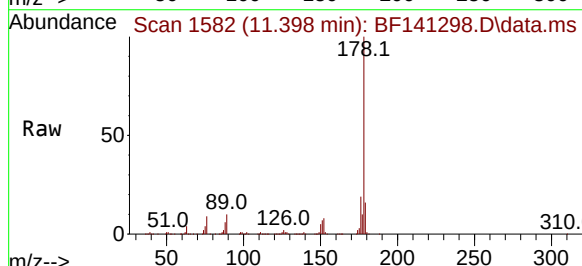
Manual Integrations
APPROVED

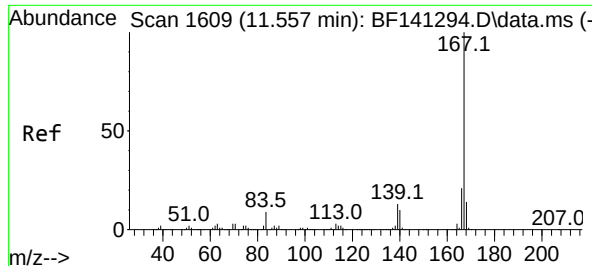
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#72
Anthracene
Concen: 38.484 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

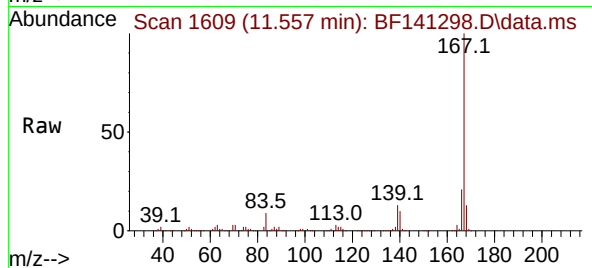
Tgt Ion:178 Resp: 912703
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.6
179 15.6 12.3 18.5





#73
Carbazole
Concen: 38.661 ng
RT: 11.557 min Scan# 1609
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

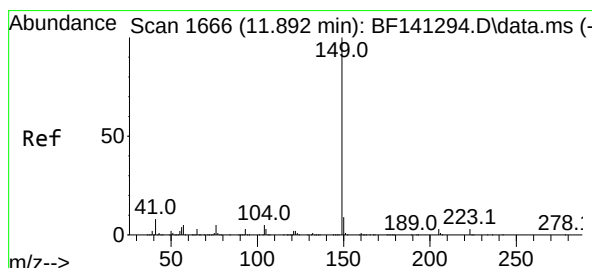
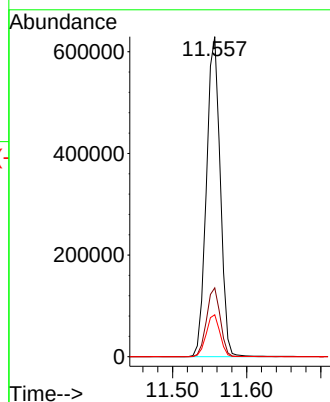
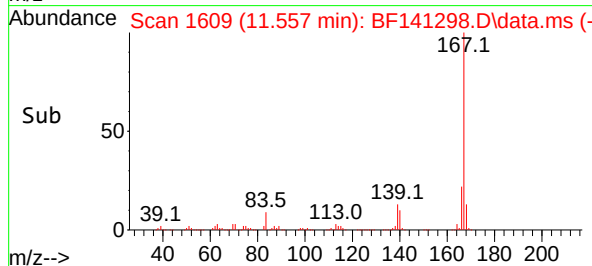
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



Tgt Ion:167 Resp: 813030
Ion Ratio Lower Upper
167 100
166 21.5 17.0 25.6
139 13.1 10.6 16.0

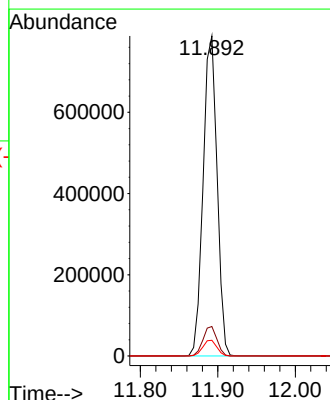
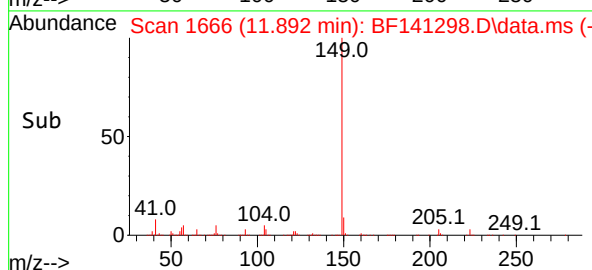
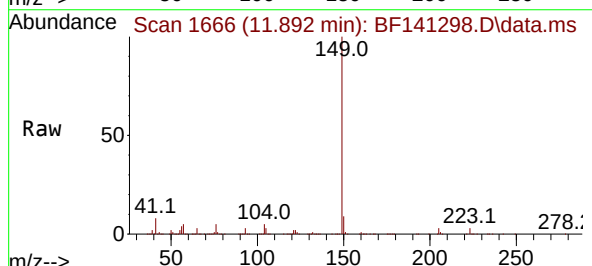
Manual Integrations
APPROVED

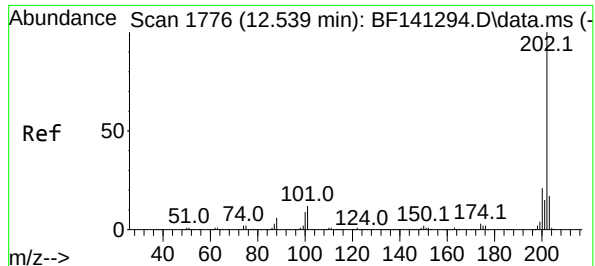
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#74
Di-n-butylphthalate
Concen: 38.639 ng
RT: 11.892 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

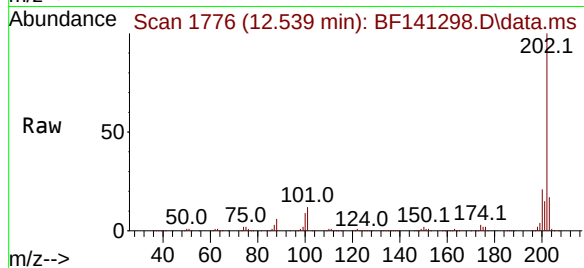
Tgt Ion:149 Resp: 984759
Ion Ratio Lower Upper
149 100
150 9.2 7.4 11.2
104 4.9 3.9 5.9





#75
Fluoranthene
Concen: 37.768 ng
RT: 12.539 min Scan# 1776
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

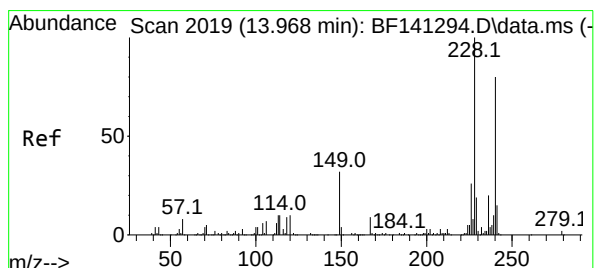
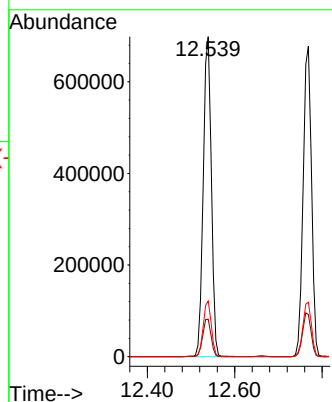
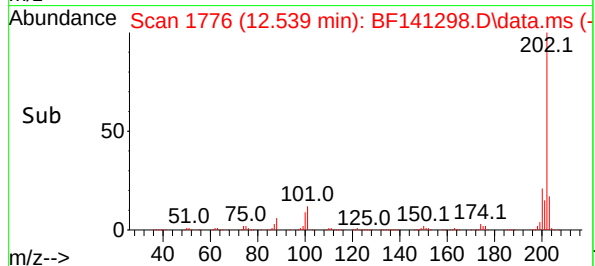
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



Tgt Ion:202 Resp: 90263
Ion Ratio Lower Upper
202 100
101 11.7 0.0 31.7
203 17.4 0.0 37.5

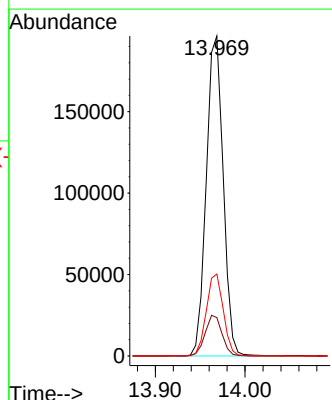
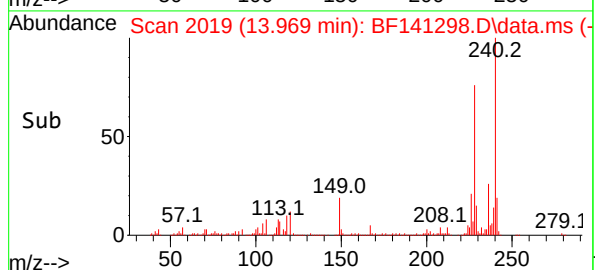
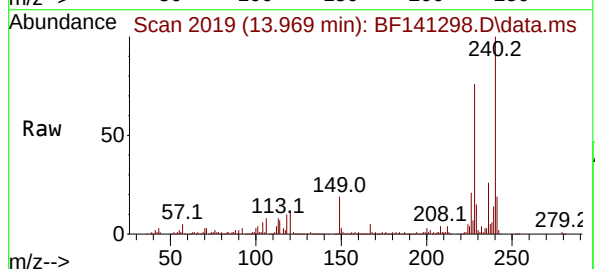
Manual Integrations
APPROVED

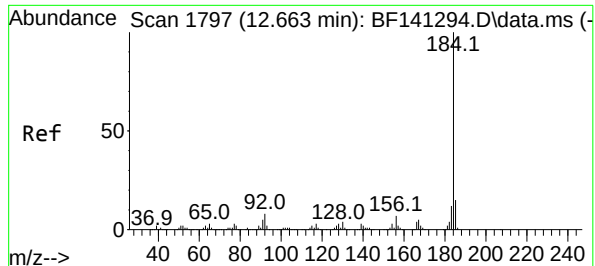
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.969 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

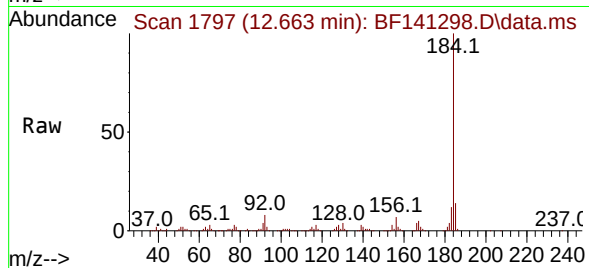
Tgt Ion:240 Resp: 257177
Ion Ratio Lower Upper
240 100
120 12.0 10.0 15.0
236 25.6 19.7 29.5





#77
Benzidine
Concen: 49.142 ng
RT: 12.663 min Scan# 1797
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

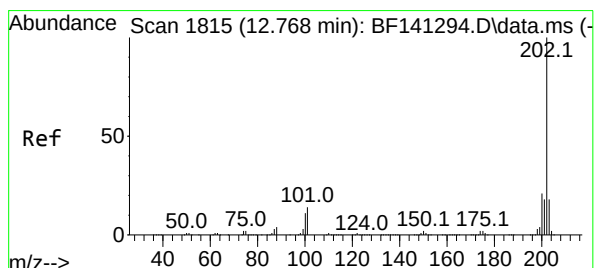
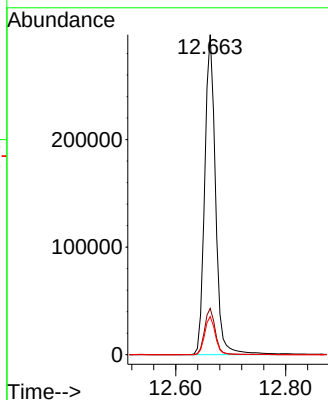
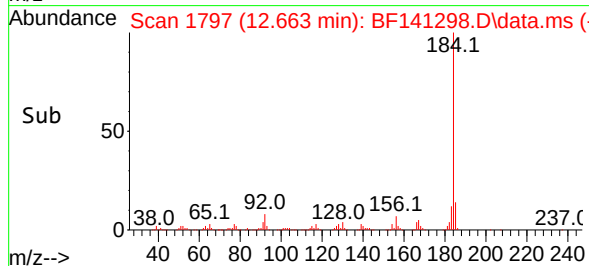
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



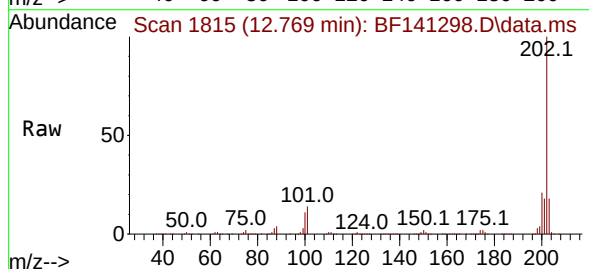
Tgt Ion:184 Resp: 40516
Ion Ratio Lower Upper
184 100
185 14.5 11.9 17.9
183 11.9 9.5 14.3

Manual Integrations
APPROVED

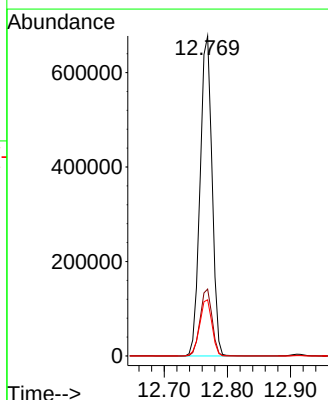
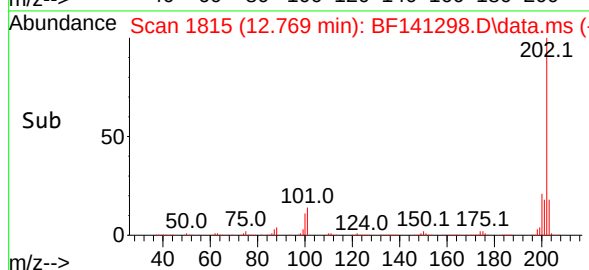
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

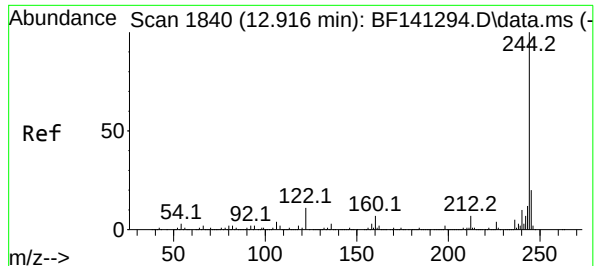


#78
Pyrene
Concen: 36.225 ng
RT: 12.769 min Scan# 1815
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31



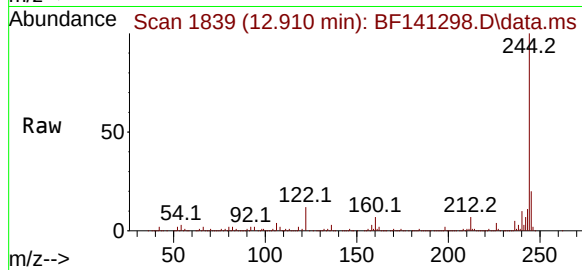
Tgt Ion:202 Resp: 894269
Ion Ratio Lower Upper
202 100
200 20.9 17.0 25.4
203 17.5 14.3 21.5





#79
Terphenyl-d14
Concen: 72.460 ng
RT: 12.910 min Scan# 1839
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

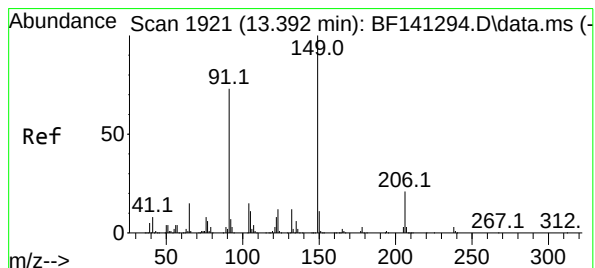
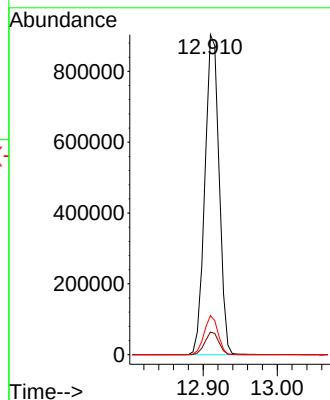
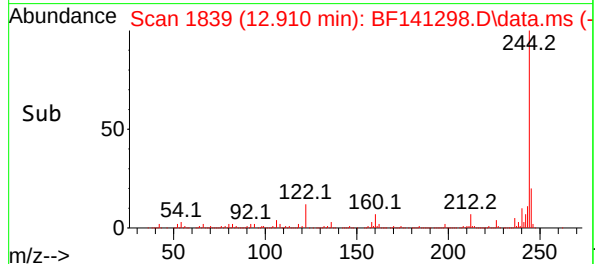
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



Tgt Ion:244 Resp: 1208358
Ion Ratio Lower Upper
244 100
212 7.0 5.4 8.0
122 12.2 8.8 13.2

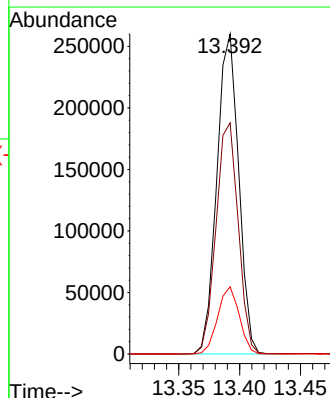
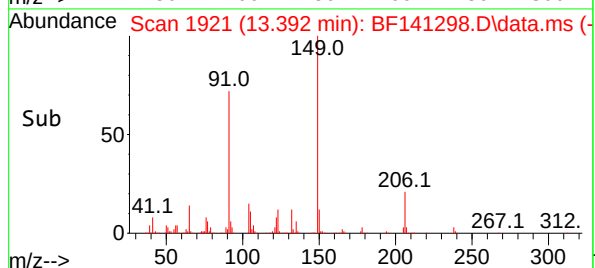
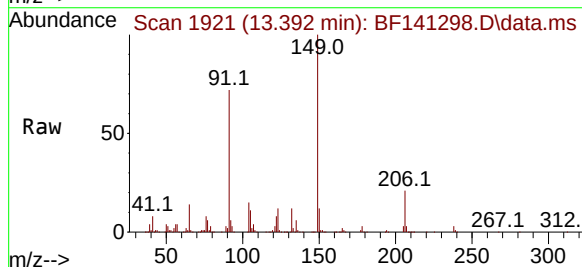
Manual Integrations
APPROVED

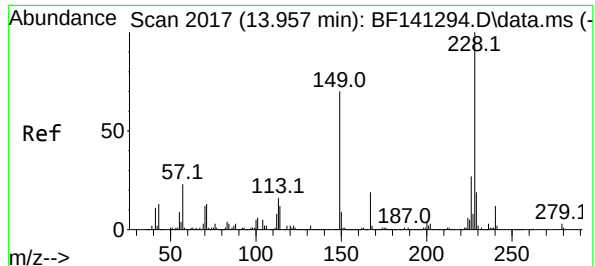
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#80
Butylbenzylphthalate
Concen: 37.660 ng
RT: 13.392 min Scan# 1921
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

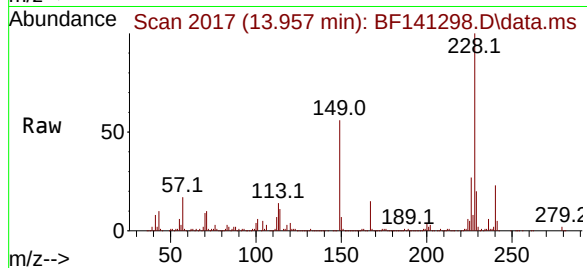
Tgt Ion:149 Resp: 324793
Ion Ratio Lower Upper
149 100
91 72.2 58.6 87.8
206 21.0 16.7 25.1





#81
Benzo(a)anthracene
Concen: 35.587 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

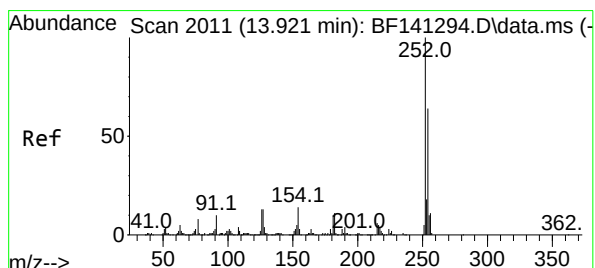
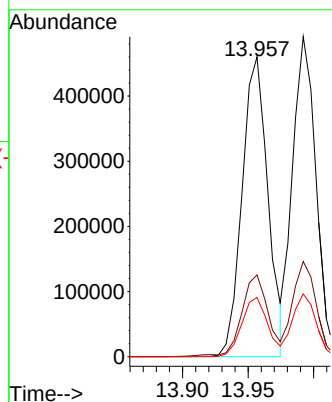
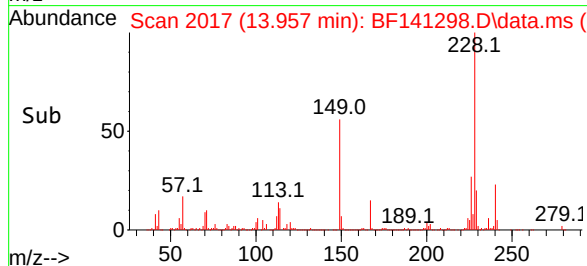
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



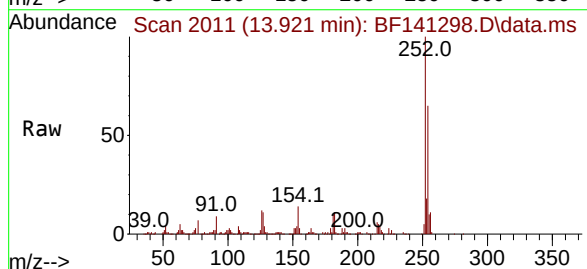
Tgt Ion:228 Resp: 631550
Ion Ratio Lower Upper
228 100
226 27.3 21.4 32.2
229 19.7 15.5 23.3

Manual Integrations
APPROVED

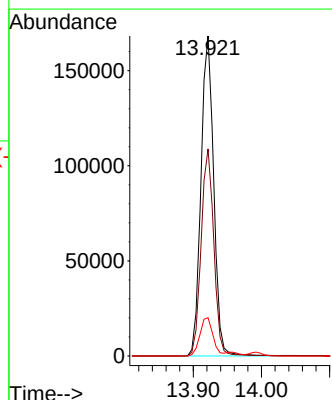
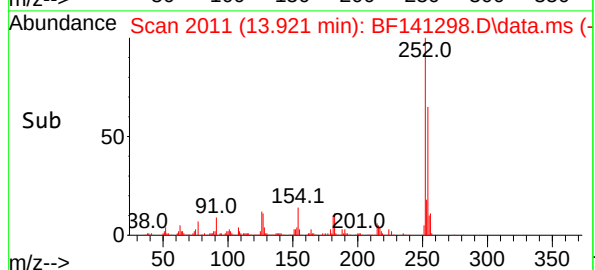
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

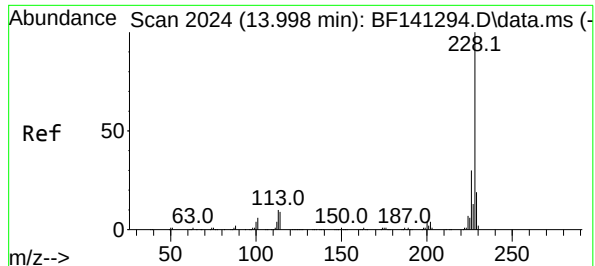


#82
3,3'-Dichlorobenzidine
Concen: 38.774 ng
RT: 13.921 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31



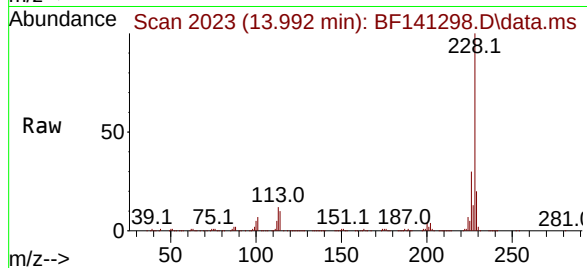
Tgt Ion:252 Resp: 218850
Ion Ratio Lower Upper
252 100
254 64.7 51.3 76.9
126 12.0 10.0 15.0





#83
Chrysene
Concen: 37.508 ng
RT: 13.992 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

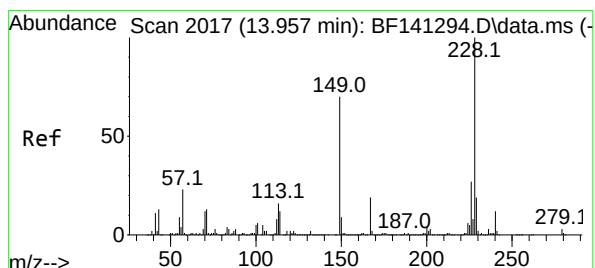
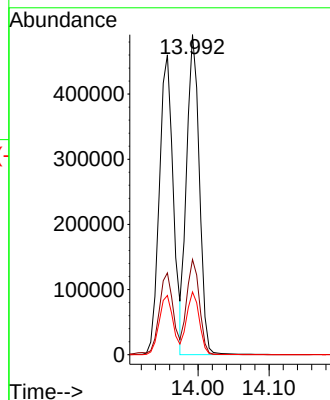
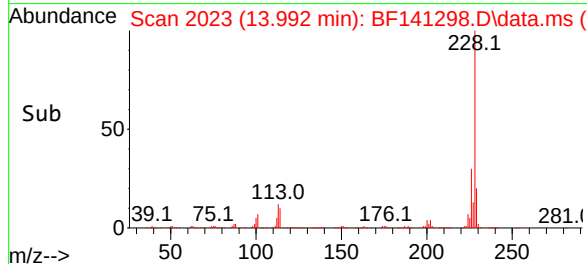
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



Tgt Ion:228 Resp: 610038
Ion Ratio Lower Upper
228 100
226 29.8 24.1 36.1
229 19.6 15.6 23.4

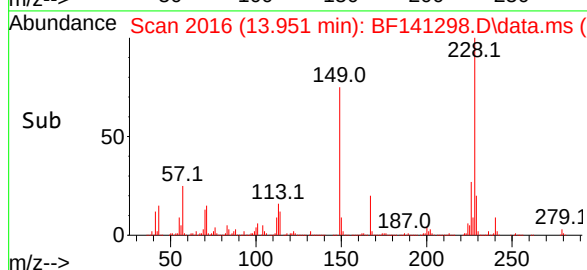
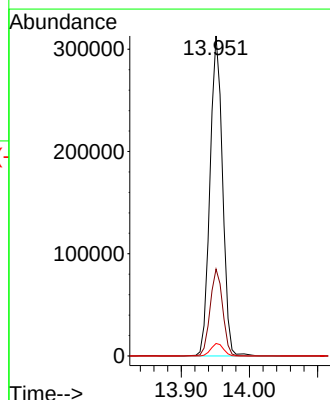
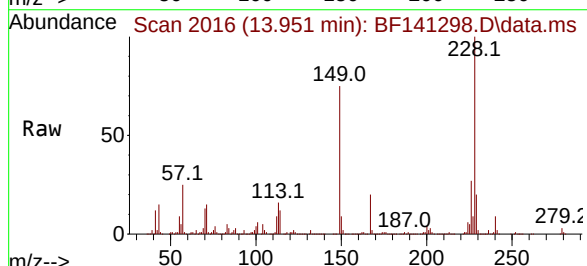
Manual Integrations
APPROVED

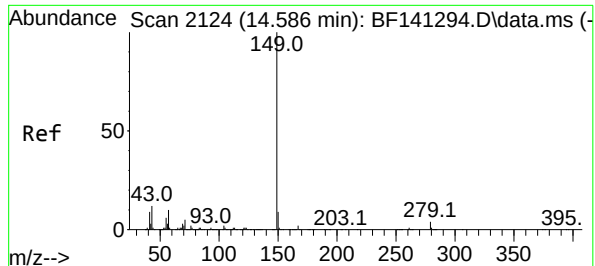
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#84
Bis(2-ethylhexyl)phthalate
Concen: 36.620 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

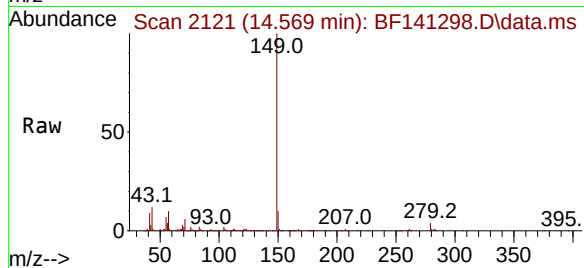
Tgt Ion:149 Resp: 400642
Ion Ratio Lower Upper
149 100
167 27.2 21.8 32.8
279 3.9 3.3 4.9





#85
Di-n-octyl phthalate
Concen: 37.807 ng
RT: 14.569 min Scan# 2124
Delta R.T. -0.018 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

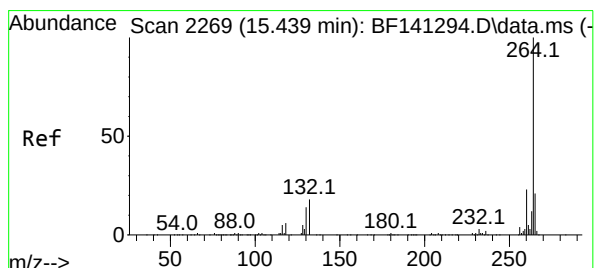
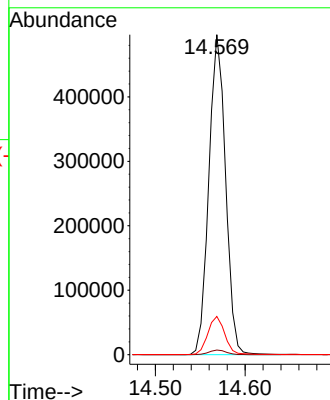
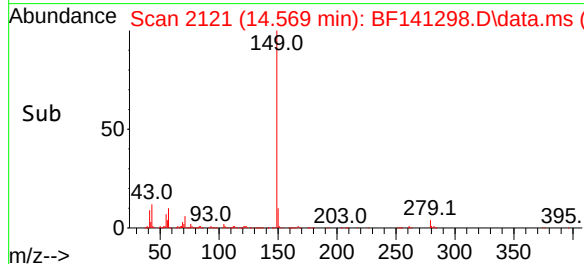
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



Tgt Ion:149 Resp: 642439
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 12.1 9.8 14.8

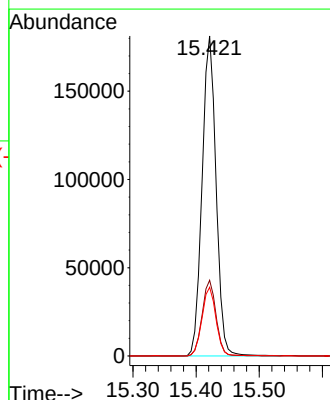
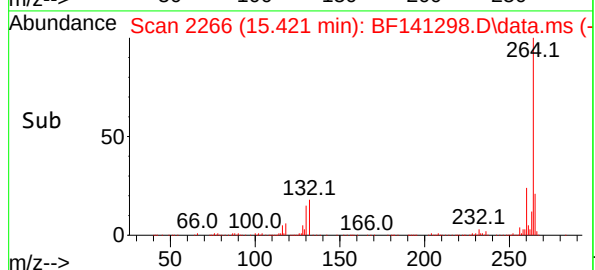
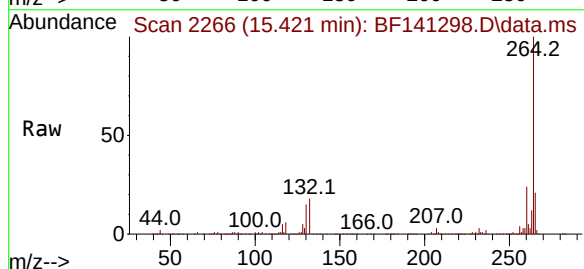
Manual Integrations
APPROVED

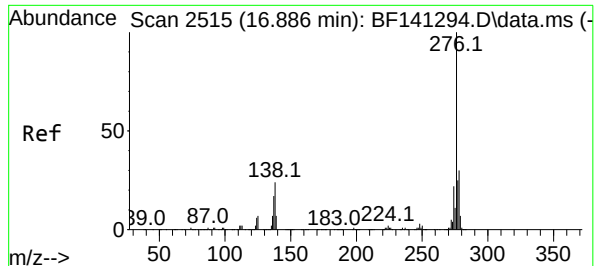
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2266
Delta R.T. -0.018 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

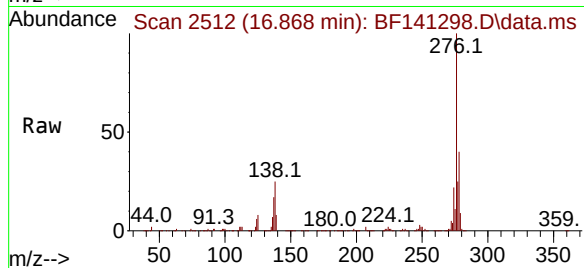
Tgt Ion:264 Resp: 279455
Ion Ratio Lower Upper
264 100
260 23.7 18.6 27.8
265 21.5 16.7 25.1





#87
Indeno(1,2,3-cd)pyrene
Concen: 37.626 ng
RT: 16.868 min Scan# 2194
Delta R.T. -0.029 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

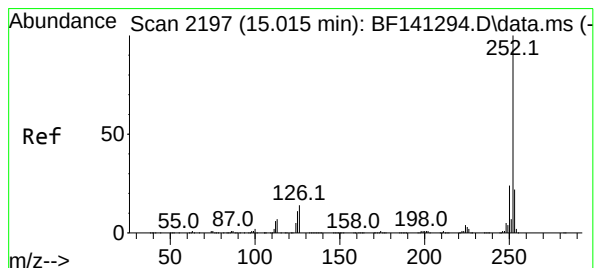
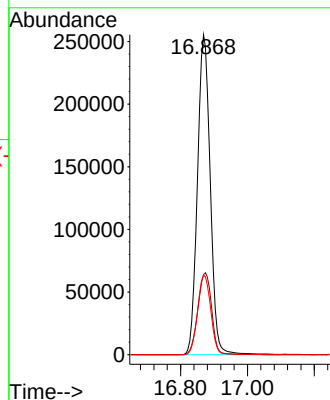
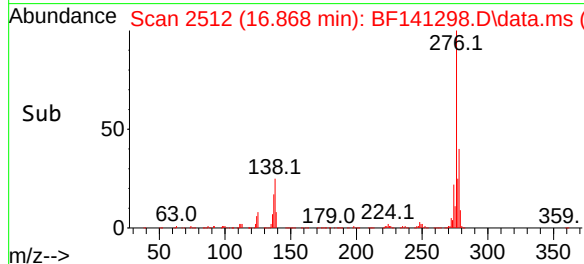
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



Tgt Ion:276 Resp: 67865
Ion Ratio Lower Upper
276 100
138 27.3 21.7 32.5
277 25.7 20.3 30.5

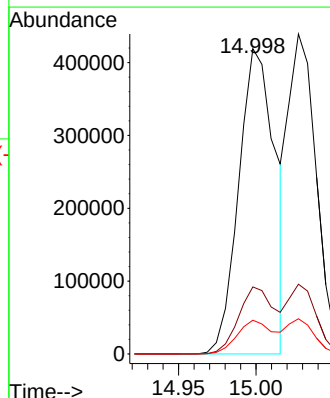
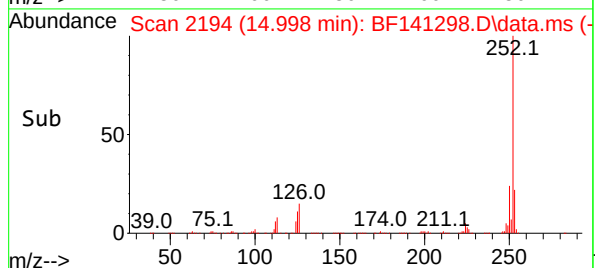
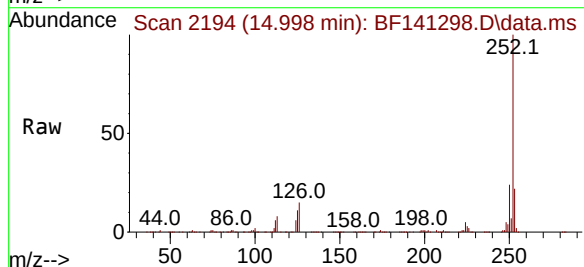
Manual Integrations
APPROVED

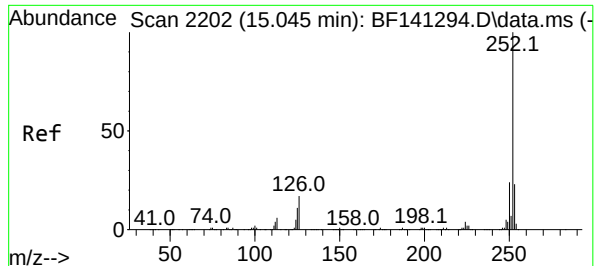
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#88
Benzo(b)fluoranthene
Concen: 38.861 ng
RT: 14.998 min Scan# 2194
Delta R.T. -0.024 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:252 Resp: 683111
Ion Ratio Lower Upper
252 100
253 21.9 17.4 26.2
125 11.0 8.6 12.8





#89

Benzo(k)fluoranthene

Concen: 35.766 ng

RT: 15.027 min Scan# 2199

Delta R.T. -0.024 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

ICVBF012925

Tgt Ion:252 Resp: 556960

Ion Ratio Lower Upper

252 100

253 21.8 17.6 26.4

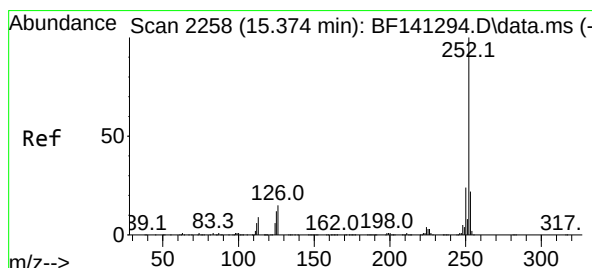
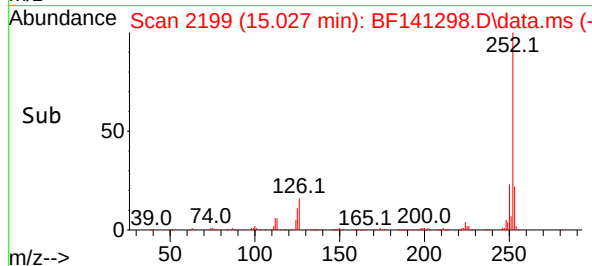
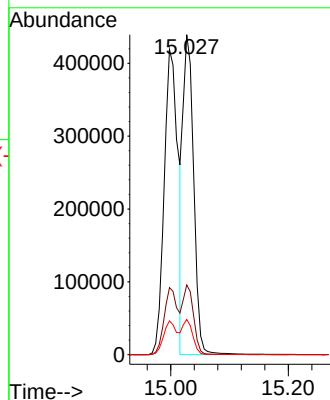
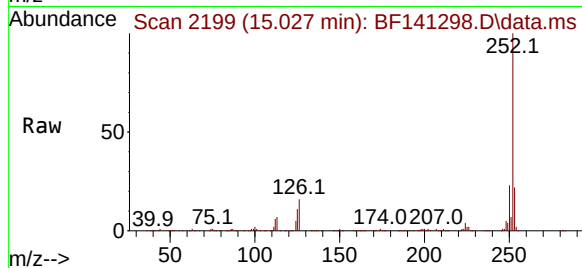
125 11.0 8.4 12.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#90

Benzo(a)pyrene

Concen: 38.209 ng

RT: 15.363 min Scan# 2256

Delta R.T. -0.018 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

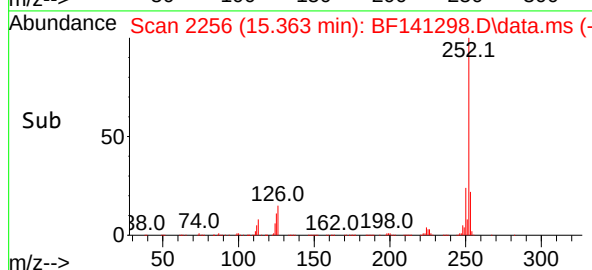
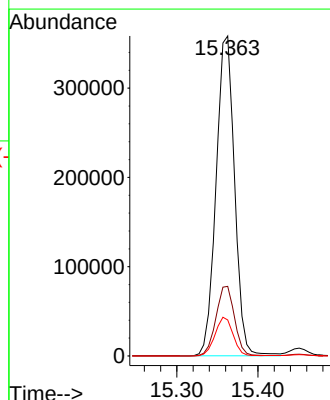
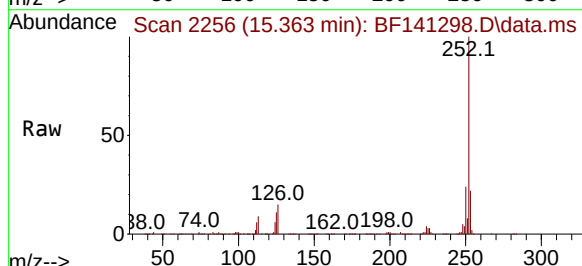
Tgt Ion:252 Resp: 567574

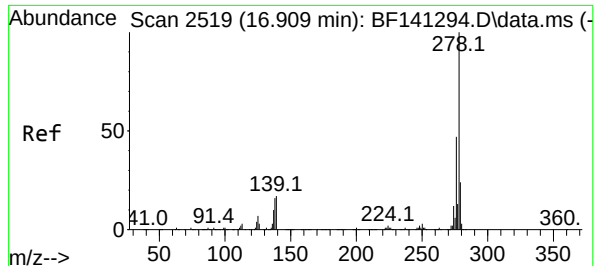
Ion Ratio Lower Upper

252 100

253 21.7 17.2 25.8

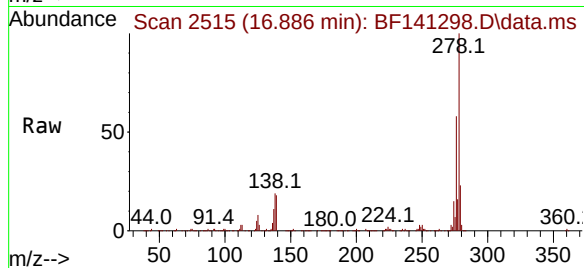
125 11.2 9.4 14.2





#91
Dibenzo(a,h)anthracene
Concen: 38.007 ng
RT: 16.886 min Scan# 2515
Delta R.T. -0.035 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

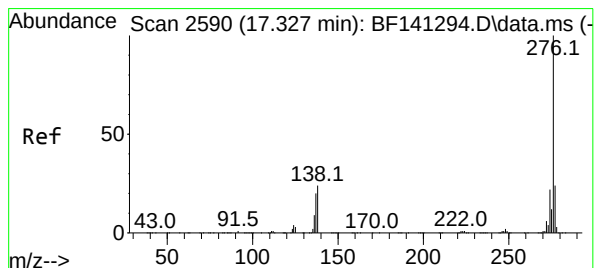
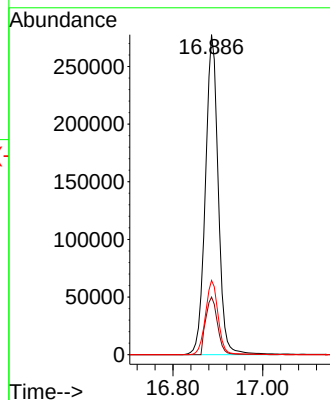
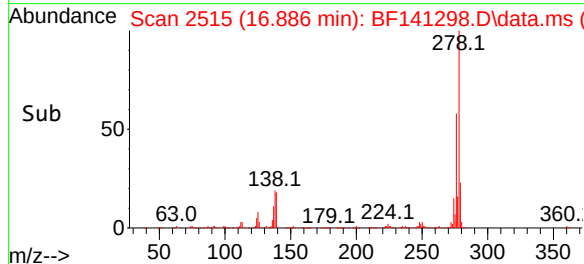
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



Tgt Ion:278 Resp: 551534
Ion Ratio Lower Upper
278 100
139 18.0 13.9 20.9
279 23.2 18.8 28.2

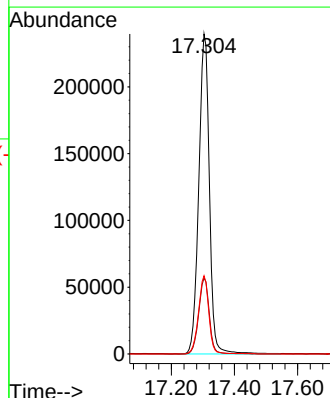
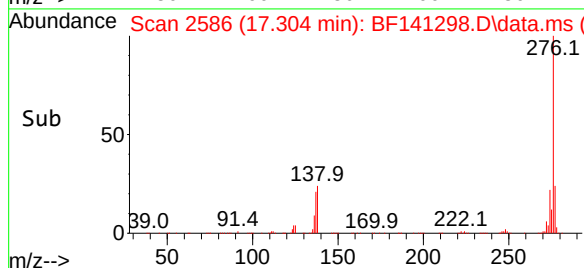
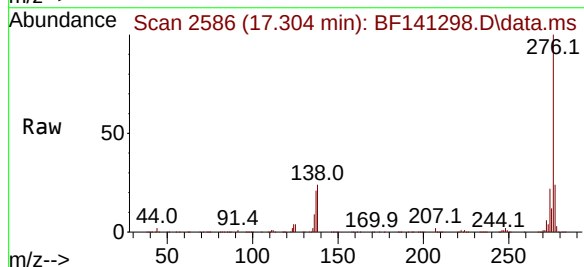
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#92
Benzo(g,h,i)perylene
Concen: 37.101 ng
RT: 17.304 min Scan# 2586
Delta R.T. -0.041 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:276 Resp: 559807
Ion Ratio Lower Upper
276 100
277 23.8 19.2 28.8
138 24.4 19.0 28.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
 Data File : BF141298.D
 Acq On : 29 Jan 2025 17:31
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF012925

Quant Time: Jan 30 03:16:08 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	98	0.00
2	1,4-Dioxane	0.573	0.534	6.8	97	0.00
3	Pyridine	1.380	1.326	3.9	98	-0.01
4	n-Nitrosodimethylamine	0.789	0.749	5.1	97	-0.03
5 S	2-Fluorophenol	1.303	1.221	6.3	99	0.00
6	Aniline	1.403	1.383	1.4	99	0.00
7 S	Phenol-d6	1.657	1.546	6.7	99	-0.01
8	2-Chlorophenol	1.396	1.309	6.2	99	-0.01
9	Benzaldehyde	0.960	0.887	7.6	97	0.00
10 C	Phenol	1.757	1.664	5.3	99	-0.01
11	bis(2-Chloroethyl)ether	1.347	1.259	6.5	100	-0.01
12	1,3-Dichlorobenzene	1.540	1.435	6.8	98	0.00
13 C	1,4-Dichlorobenzene	1.547	1.465	5.3	100	0.00
14	1,2-Dichlorobenzene	1.448	1.348	6.9	98	0.00
15	Benzyl Alcohol	1.133	1.075	5.1	97	0.00
16	2,2'-oxybis(1-Chloropropane	2.342	2.204	5.9	98	0.00
17	2-Methylphenol	1.135	1.037	8.6	97	0.00
18	Hexachloroethane	0.571	0.543	4.9	100	0.00
19 P	n-Nitroso-di-n-propylamine	0.985	0.907	7.9	99	-0.02
20	3+4-Methylphenols	1.393	1.302	6.5	99	-0.01
21 I	Naphthalene-d8	1.000	1.000	0.0	99	0.00
22	Acetophenone	0.475	0.436	8.2	99	0.00
23 S	Nitrobenzene-d5	0.379	0.359	5.3	100	0.00
24	Nitrobenzene	0.393	0.373	5.1	99	-0.01
25	Isophorone	0.656	0.614	6.4	99	0.00
26 C	2-Nitrophenol	0.185	0.177	4.3	99	0.00
27	2,4-Dimethylphenol	0.236	0.225	4.7	99	0.00
28	bis(2-Chloroethoxy)methane	0.418	0.392	6.2	99	0.00
29 C	2,4-Dichlorophenol	0.289	0.272	5.9	99	0.00
30	1,2,4-Trichlorobenzene	0.330	0.301	8.8	98	0.00
31	Naphthalene	1.057	0.981	7.2	99	0.00
32	Benzoic acid	0.217	0.225	-3.7	101	-0.04
33	4-Chloroaniline	0.358	0.333	7.0	97	0.00
34 C	Hexachlorobutadiene	0.194	0.177	8.8	98	0.00
35	Caprolactam	0.094	0.089	5.3	99	-0.02
36 C	4-Chloro-3-methylphenol	0.310	0.290	6.5	100	0.00
37	2-Methylnaphthalene	0.672	0.619	7.9	98	0.00
38	1-Methylnaphthalene	0.660	0.620	6.1	101	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	99	0.00
40	1,2,4,5-Tetrachlorobenzene	0.569	0.530	6.9	98	0.00
41 P	Hexachlorocyclopentadiene	0.168	0.168	0.0	97	0.00
42 S	2,4,6-Tribromophenol	0.183	0.172	6.0	99	0.00
43 C	2,4,6-Trichlorophenol	0.372	0.360	3.2	98	0.00
44	2,4,5-Trichlorophenol	0.405	0.375	7.4	98	0.00
45 S	2-Fluorobiphenyl	1.299	1.185	8.8	99	0.00
46	1,1'-Biphenyl	1.560	1.447	7.2	98	0.00
47	2-Chloronaphthalene	1.216	1.120	7.9	99	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
 Data File : BF141298.D
 Acq On : 29 Jan 2025 17:31
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF012925

Quant Time: Jan 30 03:16:08 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	2-Nitroaniline	0.382	0.363	5.0	99	0.00
49	Acenaphthylene	1.702	1.592	6.5	99	0.00
50	Dimethylphthalate	1.351	1.246	7.8	99	0.00
51	2,6-Dinitrotoluene	0.314	0.294	6.4	98	0.00
52 C	Acenaphthene	1.216	1.131	7.0	99	0.00
53	3-Nitroaniline	0.307	0.293	4.6	96	0.00
54 P	2,4-Dinitrophenol	0.146	0.145	0.7	97	-0.01
55	Dibenzofuran	1.627	1.506	7.4	98	0.00
56 P	4-Nitrophenol	0.225	0.220	2.2	97	-0.01
57	2,4-Dinitrotoluene	0.406	0.389	4.2	100	-0.01
58	Fluorene	1.262	1.150	8.9	97	0.00
59	2,3,4,6-Tetrachlorophenol	0.319	0.302	5.3	98	0.00
60	Diethylphthalate	1.310	1.222	6.7	99	0.00
61	4-Chlorophenyl-phenylether	0.617	0.558	9.6	97	0.00
62	4-Nitroaniline	0.302	0.285	5.6	97	-0.01
63	Azobenzene	1.311	1.213	7.5	98	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	98	0.00
65	4,6-Dinitro-2-methylphenol	0.118	0.124	-5.1	97	0.00
66 c	n-Nitrosodiphenylamine	0.647	0.627	3.1	98	0.00
67	4-Bromophenyl-phenylether	0.224	0.221	1.3	100	0.00
68	Hexachlorobenzene	0.238	0.231	2.9	99	0.00
69	Atrazine	0.216	0.212	1.9	98	0.00
70 C	Pentachlorophenol	0.139	0.142	-2.2	98	0.00
71	Phenanthrene	1.075	1.024	4.7	98	0.00
72	Anthracene	1.053	1.013	3.8	99	0.00
73	Carbazole	0.934	0.903	3.3	99	0.00
74	Di-n-butylphthalate	1.132	1.093	3.4	99	0.00
75 C	Fluoranthene	1.062	1.002	5.6	97	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	99	0.00
77	Benzidine	0.641	0.788	-22.9	106	0.00
78	Pyrene	1.920	1.739	9.4	98	0.00
79 S	Terphenyl-d14	1.297	1.175	9.4	98	0.00
80	Butylbenzylphthalate	0.671	0.631	6.0	100	0.00
81	Benzo(a)anthracene	1.380	1.228	11.0	95	0.00
82	3,3'-Dichlorobenzidine	0.439	0.425	3.2	100	0.00
83	Chrysene	1.265	1.186	6.2	103	0.00
84	Bis(2-ethylhexyl)phthalate	0.851	0.779	8.5	98	0.00
85 c	Di-n-octyl phthalate	1.321	1.249	5.5	100	-0.02
86 I	Perylene-d12	1.000	1.000	0.0	100	-0.02
87	Indeno(1,2,3-cd)pyrene	1.291	1.214	6.0	97	-0.03
88	Benzo(b)fluoranthene	1.258	1.222	2.9	109	-0.02
89	Benzo(k)fluoranthene	1.114	0.997	10.5	92	-0.02
90 C	Benzo(a)pyrene	1.063	1.016	4.4	100	-0.02
91	Dibenzo(a,h)anthracene	1.039	0.987	5.0	97	-0.04
92	Benzo(g,h,i)perylene	1.080	1.002	7.2	96	-0.04

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141298.D
Acq On : 29 Jan 2025 17:31
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Quant Time: Jan 30 03:16:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev Area	% Dev(min)

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
 Data File : BF141298.D
 Acq On : 29 Jan 2025 17:31
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF012925

Quant Time: Jan 30 03:16:08 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	98	0.00
2	1,4-Dioxane	40.000	37.296	6.8	97	0.00
3	Pyridine	40.000	38.413	4.0	98	-0.01
4	n-Nitrosodimethylamine	40.000	37.977	5.1	97	-0.03
5 S	2-Fluorophenol	80.000	74.963	6.3	99	0.00
6	Aniline	40.000	39.437	1.4	99	0.00
7 S	Phenol-d6	80.000	74.641	6.7	99	-0.01
8	2-Chlorophenol	40.000	37.505	6.2	99	-0.01
9	Benzaldehyde	40.000	36.965	7.6	97	0.00
10 C	Phenol	40.000	37.888	5.3	99	-0.01
11	bis(2-Chloroethyl)ether	40.000	37.387	6.5	100	-0.01
12	1,3-Dichlorobenzene	40.000	37.288	6.8	98	0.00
13 C	1,4-Dichlorobenzene	40.000	37.885	5.3	100	0.00
14	1,2-Dichlorobenzene	40.000	37.241	6.9	98	0.00
15	Benzyl Alcohol	40.000	37.952	5.1	97	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	37.636	5.9	98	0.00
17	2-Methylphenol	40.000	36.544	8.6	97	0.00
18	Hexachloroethane	40.000	38.094	4.8	100	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	36.848	7.9	99	-0.02
20	3+4-Methylphenols	40.000	37.364	6.6	99	-0.01
21 I	Naphthalene-d8	20.000	20.000	0.0	99	0.00
22	Acetophenone	40.000	36.717	8.2	99	0.00
23 S	Nitrobenzene-d5	80.000	75.630	5.5	100	0.00
24	Nitrobenzene	40.000	37.927	5.2	99	-0.01
25	Isophorone	40.000	37.439	6.4	99	0.00
26 C	2-Nitrophenol	40.000	38.289	4.3	99	0.00
27	2,4-Dimethylphenol	40.000	38.055	4.9	99	0.00
28	bis(2-Chloroethoxy)methane	40.000	37.460	6.3	99	0.00
29 C	2,4-Dichlorophenol	40.000	37.675	5.8	99	0.00
30	1,2,4-Trichlorobenzene	40.000	36.488	8.8	98	0.00
31	Naphthalene	40.000	37.128	7.2	99	0.00
32	Benzoic acid	40.000	41.534	-3.8	101	-0.04
33	4-Chloroaniline	40.000	37.214	7.0	97	0.00
34 C	Hexachlorobutadiene	40.000	36.676	8.3	98	0.00
35	Caprolactam	40.000	37.662	5.8	99	-0.02
36 C	4-Chloro-3-methylphenol	40.000	37.480	6.3	100	0.00
37	2-Methylnaphthalene	40.000	36.898	7.8	98	0.00
38	1-Methylnaphthalene	40.000	37.570	6.1	101	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	99	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	37.226	6.9	98	0.00
41 P	Hexachlorocyclopentadiene	40.000	39.961	0.1	97	0.00
42 S	2,4,6-Tribromophenol	80.000	75.161	6.0	99	0.00
43 C	2,4,6-Trichlorophenol	40.000	38.625	3.4	98	0.00
44	2,4,5-Trichlorophenol	40.000	36.969	7.6	98	0.00
45 S	2-Fluorobiphenyl	80.000	72.938	8.8	99	0.00
46	1,1'-Biphenyl	40.000	37.111	7.2	98	0.00
47	2-Chloronaphthalene	40.000	36.837	7.9	99	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
 Data File : BF141298.D
 Acq On : 29 Jan 2025 17:31
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF012925

Quant Time: Jan 30 03:16:08 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	37.970	5.1	99	0.00
49	Acenaphthylene	40.000	37.416	6.5	99	0.00
50	Dimethylphthalate	40.000	36.904	7.7	99	0.00
51	2,6-Dinitrotoluene	40.000	37.459	6.4	98	0.00
52 C	Acenaphthene	40.000	37.206	7.0	99	0.00
53	3-Nitroaniline	40.000	38.150	4.6	96	0.00
54 P	2,4-Dinitrophenol	40.000	39.734	0.7	97	-0.01
55	Dibenzofuran	40.000	37.012	7.5	98	0.00
56 P	4-Nitrophenol	40.000	39.089	2.3	97	-0.01
57	2,4-Dinitrotoluene	40.000	38.327	4.2	100	-0.01
58	Fluorene	40.000	36.451	8.9	97	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	37.902	5.2	98	0.00
60	Diethylphthalate	40.000	37.316	6.7	99	0.00
61	4-Chlorophenyl-phenylether	40.000	36.180	9.6	97	0.00
62	4-Nitroaniline	40.000	37.665	5.8	97	-0.01
63	Azobenzene	40.000	37.020	7.4	98	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	98	0.00
65	4,6-Dinitro-2-methylphenol	40.000	41.913	-4.8	97	0.00
66 c	n-Nitrosodiphenylamine	40.000	38.757	3.1	98	0.00
67	4-Bromophenyl-phenylether	40.000	39.477	1.3	100	0.00
68	Hexachlorobenzene	40.000	38.929	2.7	99	0.00
69	Atrazine	40.000	39.215	2.0	98	0.00
70 C	Pentachlorophenol	40.000	40.973	-2.4	98	0.00
71	Phenanthrene	40.000	38.117	4.7	98	0.00
72	Anthracene	40.000	38.484	3.8	99	0.00
73	Carbazole	40.000	38.661	3.3	99	0.00
74	Di-n-butylphthalate	40.000	38.639	3.4	99	0.00
75 C	Fluoranthene	40.000	37.768	5.6	97	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	99	0.00
77	Benzidine	40.000	49.142	-22.9	106	0.00
78	Pyrene	40.000	36.225	9.4	98	0.00
79 S	Terphenyl-d14	80.000	72.460	9.4	98	0.00
80	Butylbenzylphthalate	40.000	37.660	5.9	100	0.00
81	Benzo(a)anthracene	40.000	35.587	11.0	95	0.00
82	3,3'-Dichlorobenzidine	40.000	38.774	3.1	100	0.00
83	Chrysene	40.000	37.508	6.2	103	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	36.620	8.5	98	0.00
85 c	Di-n-octyl phthalate	40.000	37.807	5.5	100	-0.02
86 I	Perylene-d12	20.000	20.000	0.0	100	-0.02
87	Indeno(1,2,3-cd)pyrene	40.000	37.626	5.9	97	-0.03
88	Benzo(b)fluoranthene	40.000	38.861	2.8	109	-0.02
89	Benzo(k)fluoranthene	40.000	35.766	10.6	92	-0.02
90 C	Benzo(a)pyrene	40.000	38.209	4.5	100	-0.02
91	Dibenzo(a,h)anthracene	40.000	38.007	5.0	97	-0.04
92	Benzo(g,h,i)perylene	40.000	37.101	7.2	96	-0.04

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141298.D
Acq On : 29 Jan 2025 17:31
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Quant Time: Jan 30 03:16:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG No.: Q1194

Instrument ID: BNA_F Calibration Date/Time: 01/30/2025 08:54

Lab File ID: BF141301.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 17:05

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.303	1.194		-8.4	
Benzaldehyde	0.960	0.852		-11.3	
Phenol-d6	1.657	1.545		-6.8	
Phenol	1.757	1.657		-5.7	20.0
bis(2-Chloroethyl)ether	1.347	1.242		-7.8	
2-Chlorophenol	1.396	1.317		-5.7	
2-Methylphenol	1.135	1.057		-6.9	
2,2-oxybis(1-Chloropropane)	2.342	2.216		-5.4	
Acetophenone	0.475	0.435		-8.4	
3+4-Methylphenols	1.393	1.298		-6.8	
n-Nitroso-di-n-propylamine	0.985	0.911	0.050	-7.5	
Nitrobenzene-d5	0.379	0.356		-6.1	
Hexachloroethane	0.571	0.533		-6.7	
Nitrobenzene	0.393	0.370		-5.9	
Isophorone	0.656	0.621		-5.3	
2-Nitrophenol	0.185	0.177		-4.3	20.0
2,4-Dimethylphenol	0.236	0.227		-3.8	
bis(2-Chloroethoxy)methane	0.418	0.394		-5.7	
2,4-Dichlorophenol	0.289	0.273		-5.5	20.0
Naphthalene	1.057	0.980		-7.3	
4-Chloroaniline	0.358	0.341		-4.7	
Hexachlorobutadiene	0.194	0.181		-6.7	20.0
Caprolactam	0.094	0.091		-3.2	
4-Chloro-3-methylphenol	0.310	0.295		-4.8	20.0
2-Methylnaphthalene	0.672	0.622		-7.4	
Hexachlorocyclopentadiene	0.168	0.172	0.050	2.4	
2,4,6-Trichlorophenol	0.372	0.361		-3.0	20.0
2-Fluorobiphenyl	1.299	1.166		-10.2	
2,4,5-Trichlorophenol	0.405	0.374		-7.7	
1,1-Biphenyl	1.560	1.444		-7.4	
2-Chloronaphthalene	1.216	1.115		-8.3	
2-Nitroaniline	0.382	0.364		-4.7	
Dimethylphthalate	1.351	1.260		-6.7	
Acenaphthylene	1.702	1.594		-6.3	
2,6-Dinitrotoluene	0.314	0.293		-6.7	
3-Nitroaniline	0.307	0.296		-3.6	
Acenaphthene	1.216	1.130		-7.1	20.0
2,4-Dinitrophenol	0.146	0.139	0.050	-4.8	
4-Nitrophenol	0.225	0.221	0.050	-1.8	



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG No.: Q1194

Instrument ID: BNA_F Calibration Date/Time: 01/30/2025 08:54

Lab File ID: BF141301.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 17:05

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.627	1.502		-7.7	
2,4-Dinitrotoluene	0.406	0.387		-4.7	
Diethylphthalate	1.310	1.217		-7.1	
4-Chlorophenyl-phenylether	0.617	0.568		-7.9	
Fluorene	1.262	1.151		-8.8	
4-Nitroaniline	0.302	0.294		-2.6	
4,6-Dinitro-2-methylphenol	0.118	0.123		4.2	
n-Nitrosodiphenylamine	0.647	0.610		-5.7	20.0
2,4,6-Tribromophenol	0.183	0.174		-4.9	
4-Bromophenyl-phenylether	0.224	0.216		-3.6	
Hexachlorobenzene	0.238	0.229		-3.8	
Atrazine	0.216	0.194		-10.2	
Pentachlorophenol	0.139	0.142		2.2	20.0
Phenanthrene	1.075	1.008		-6.2	
Anthracene	1.053	0.988		-6.2	
Carbazole	0.934	0.889		-4.8	
Di-n-butylphthalate	1.132	1.094		-3.4	
Fluoranthene	1.062	1.005		-5.4	20.0
Pyrene	1.920	1.777		-7.4	
Terphenyl-d14	1.297	1.185		-8.6	
Butylbenzylphthalate	0.671	0.641		-4.5	
3,3-Dichlorobenzidine	0.439	0.407		-7.3	
Benzo (a) anthracene	1.380	1.214		-12.0	
Chrysene	1.265	1.188		-6.1	
Bis(2-ethylhexyl)phthalate	0.851	0.798		-6.2	
Di-n-octyl phthalate	1.321	1.218		-7.8	20.0
Benzo (b) fluoranthene	1.258	1.162		-7.6	
Benzo (k) fluoranthene	1.114	1.056		-5.2	
Benzo (a) pyrene	1.063	1.010		-5.0	20.0
Indeno (1,2,3-cd) pyrene	1.291	1.200		-7.0	
Dibenzo (a,h) anthracene	1.039	0.965		-7.1	
Benzo (g,h,i) perylene	1.080	0.995		-7.9	
1,2,4,5-Tetrachlorobenzene	0.569	0.533		-6.3	
1,4-Dioxane	0.573	0.542		-5.4	20.0
2,3,4,6-Tetrachlorophenol	0.319	0.312		-2.2	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013025\
 Data File : BF141301.D
 Acq On : 30 Jan 2025 08:54
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Jan 30 10:12:25 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	146467	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	575983	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	308835	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	511005	20.000	ng	0.00
76) Chrysene-d12	13.969	240	290304	20.000	ng	0.00
86) Perylene-d12	15.421	264	298783	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	699692	73.339	ng	0.00
7) Phenol-d6	6.428	99	905142	74.578	ng	-0.01
23) Nitrobenzene-d5	7.363	82	819573	75.011	ng	0.00
42) 2,4,6-Tribromophenol	10.628	330	214625	75.804	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1439957	71.765	ng	0.00
79) Terphenyl-d14	12.910	244	1375587	73.075	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.487	88	158660	37.813	ng	100
3) Pyridine	3.216	79	391062	38.682	ng	99
4) n-Nitrosodimethylamine	3.169	42	220937	38.256	ng	99
6) Aniline	6.463	93	407872	39.701	ng	99
8) 2-Chlorophenol	6.581	128	385660	37.714	ng	99
9) Benzaldehyde	6.345	77	249683	35.516	ng	98
10) Phenol	6.440	94	485474	37.734	ng	99
11) bis(2-Chloroethyl)ether	6.534	93	363969	36.896	ng	100
12) 1,3-Dichlorobenzene	6.740	146	419797	37.233	ng	100
13) 1,4-Dichlorobenzene	6.816	146	419682	37.052	ng	99
14) 1,2-Dichlorobenzene	6.969	146	397745	37.501	ng	100
15) Benzyl Alcohol	6.940	79	320021	38.584	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.075	45	649089	37.839	ng	100
17) 2-Methylphenol	7.051	107	309553	37.247	ng	99
18) Hexachloroethane	7.310	117	156061	37.348	ng	99
19) n-Nitroso-di-n-propyla...	7.216	70	266872	37.005	ng	96
20) 3+4-Methylphenols	7.204	107	380083	37.247	ng	98
22) Acetophenone	7.210	105	500914	36.587	ng	99
24) Nitrobenzene	7.381	77	426364	37.656	ng	100
25) Isophorone	7.622	82	715169	37.866	ng	99
26) 2-Nitrophenol	7.698	139	203916	38.187	ng	99
27) 2,4-Dimethylphenol	7.734	122	261367	38.454	ng	99
28) bis(2-Chloroethoxy)met...	7.834	93	453765	37.666	ng	100
29) 2,4-Dichlorophenol	7.939	162	314718	37.822	ng	100
30) 1,2,4-Trichlorobenzene	8.022	180	351887	37.030	ng	100
31) Naphthalene	8.104	128	1129129	37.109	ng	100
32) Benzoic acid	7.845	122	242870	38.870	ng	99
33) 4-Chloroaniline	8.151	127	392735	38.063	ng	99
34) Hexachlorobutadiene	8.222	225	208442	37.404	ng	99
35) Caprolactam	8.522	113	104874	38.592	ng	96
36) 4-Chloro-3-methylphenol	8.634	107	339876	38.080	ng	98
37) 2-Methylnaphthalene	8.792	142	716771	37.063	ng	100
38) 1-Methylnaphthalene	8.892	142	705777	37.152	ng	100
40) 1,2,4,5-Tetrachloroben...	8.957	216	329038	37.450	ng	99
41) Hexachlorocyclopentadiene	8.945	237	106026	40.862	ng	100
43) 2,4,6-Trichlorophenol	9.069	196	222870	38.755	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013025\
 Data File : BF141301.D
 Acq On : 30 Jan 2025 08:54
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

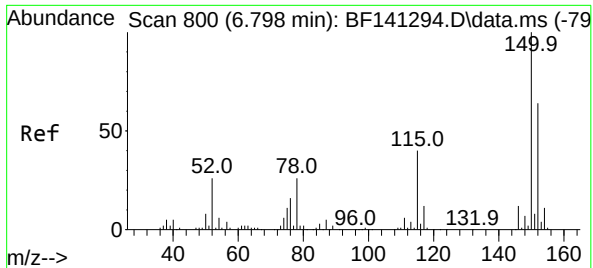
Quant Time: Jan 30 10:12:25 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	231078	36.919	ng	99
46) 1,1'-Biphenyl	9.257	154	892160	37.042	ng	99
47) 2-Chloronaphthalene	9.281	162	688957	36.699	ng	99
48) 2-Nitroaniline	9.381	65	225042	38.111	ng	99
49) Acenaphthylene	9.698	152	984505	37.463	ng	100
50) Dimethylphthalate	9.563	163	777984	37.298	ng	100
51) 2,6-Dinitrotoluene	9.622	165	181065	37.386	ng	99
52) Acenaphthene	9.869	154	697843	37.171	ng	99
53) 3-Nitroaniline	9.792	138	182543	38.456	ng	100
54) 2,4-Dinitrophenol	9.898	184	85734	38.081	ng	99
55) Dibenzofuran	10.045	168	927873	36.923	ng	99
56) 4-Nitrophenol	9.945	139	136436	39.302	ng	100
57) 2,4-Dinitrotoluene	10.028	165	239168	38.142	ng	99
58) Fluorene	10.386	166	710687	36.459	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.163	232	192623	39.118	ng	98
60) Diethylphthalate	10.263	149	751491	37.157	ng	100
61) 4-Chlorophenyl-phenyle...	10.381	204	351110	36.875	ng	99
62) 4-Nitroaniline	10.404	138	181893	38.976	ng	98
63) Azobenzene	10.539	77	756407	37.363	ng	100
65) 4,6-Dinitro-2-methylph...	10.433	198	125435	41.499	ng	99
66) n-Nitrosodiphenylamine	10.498	169	623386	37.717	ng	100
67) 4-Bromophenyl-phenylether	10.869	248	220361	38.519	ng	99
68) Hexachlorobenzene	10.933	284	234276	38.606	ng	100
69) Atrazine	11.028	200	198524	35.925	ng	98
70) Pentachlorophenol	11.128	266	145156	40.848	ng	99
71) Phenanthrene	11.351	178	1029763	37.489	ng	100
72) Anthracene	11.398	178	1009748	37.517	ng	100
73) Carbazole	11.557	167	908313	38.060	ng	99
74) Di-n-butylphthalate	11.892	149	1117730	38.646	ng	100
75) Fluoranthene	12.539	202	1026756	37.857	ng	100
77) Benzidine	12.663	184	424599	45.623	ng	99
78) Pyrene	12.769	202	1031587	37.019	ng	99
80) Butylbenzylphthalate	13.392	149	372260	38.238	ng	99
81) Benzo(a)anthracene	13.957	228	704605	35.173	ng	100
82) 3,3'-Dichlorobenzidine	13.921	252	236068	37.051	ng	99
83) Chrysene	13.992	228	689916	37.578	ng	100
84) Bis(2-ethylhexyl)phtha...	13.951	149	463244	37.511	ng	100
85) Di-n-octyl phthalate	14.568	149	706897	36.853	ng	100
87) Indeno(1,2,3-cd)pyrene	16.874	276	717281	37.195	ng	100
88) Benzo(b)fluoranthene	15.004	252	694461	36.951	ng	100
89) Benzo(k)fluoranthene	15.033	252	630825	37.889	ng	100
90) Benzo(a)pyrene	15.363	252	603540	38.001	ng	100
91) Dibenzo(a,h)anthracene	16.892	278	576450	37.155	ng	100
92) Benzo(g,h,i)perylene	17.309	276	594713	36.865	ng	99

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

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

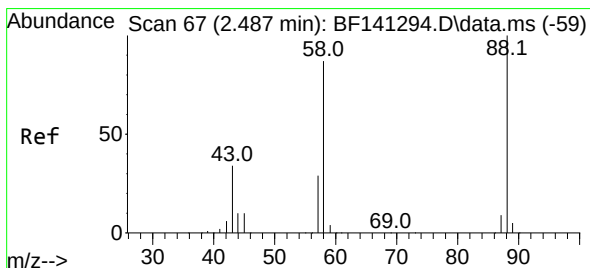
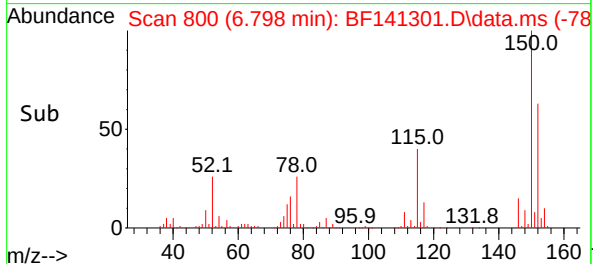
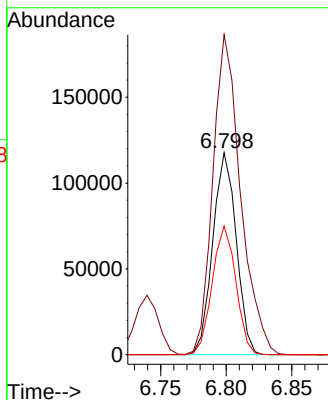
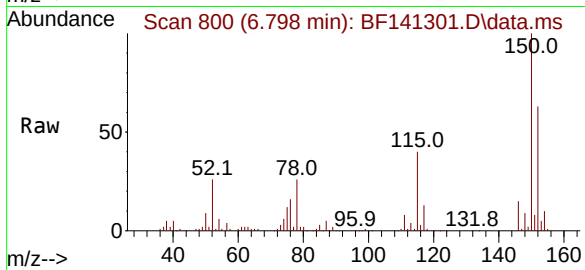
[illegible]



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

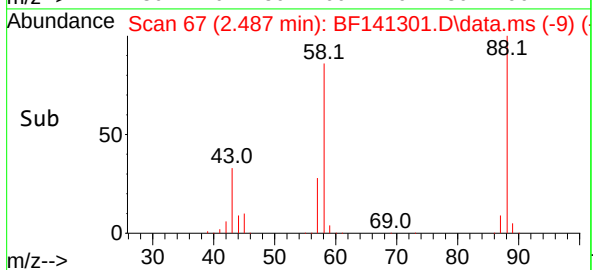
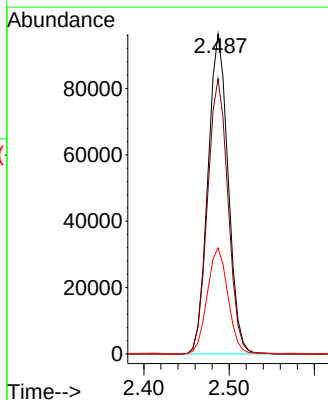
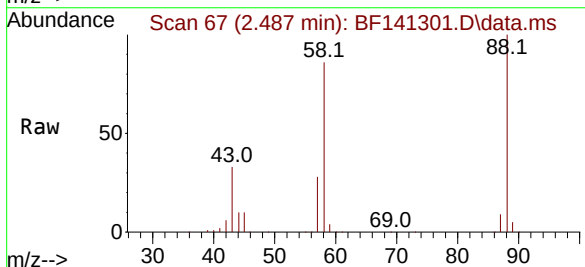
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

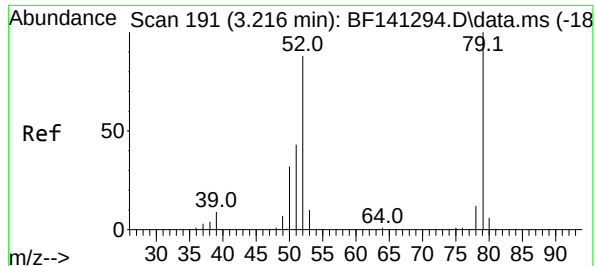
Tgt Ion:152 Resp: 146467
Ion Ratio Lower Upper
152 100
150 158.5 125.9 188.9
115 63.7 49.7 74.5



#2
1,4-Dioxane
Concen: 37.813 ng
RT: 2.487 min Scan# 67
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion: 88 Resp: 158660
Ion Ratio Lower Upper
88 100
58 87.4 70.2 105.4
43 34.2 27.6 41.4

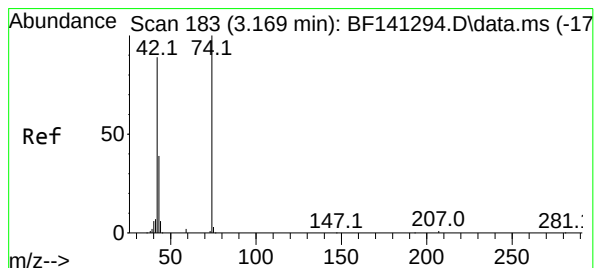
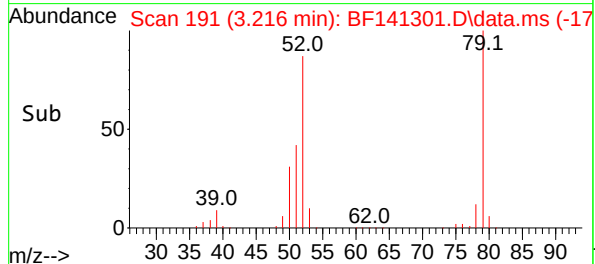
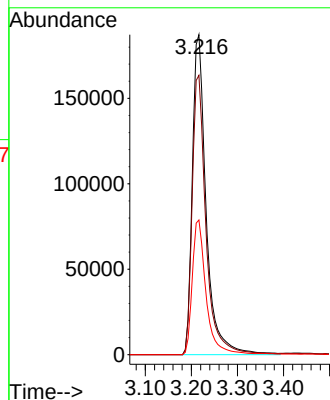
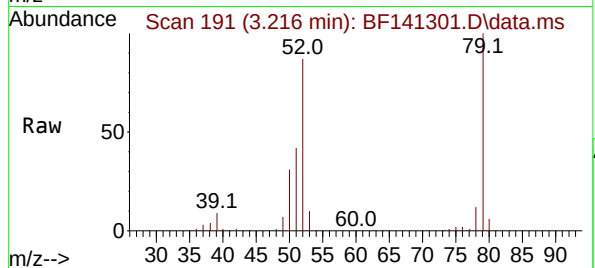




#3
Pyridine
Concen: 38.682 ng
RT: 3.216 min Scan# 191
Delta R.T. -0.012 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

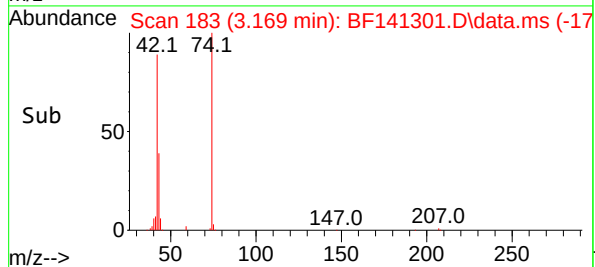
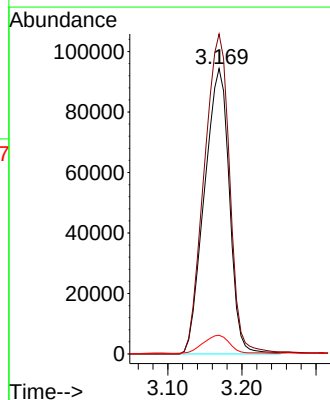
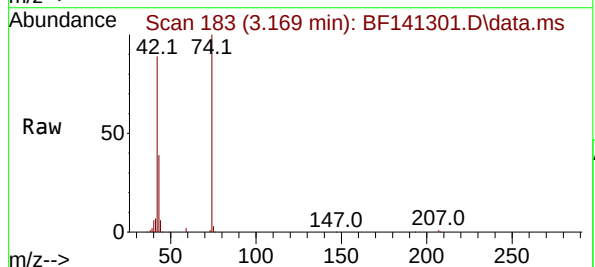
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

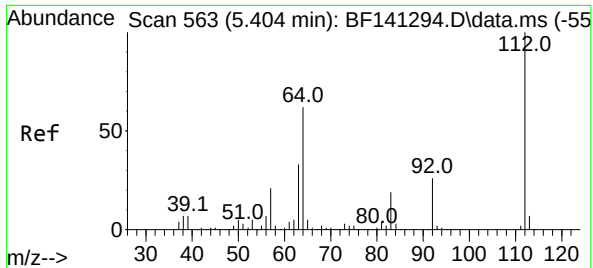
Tgt Ion: 79 Resp: 391062
Ion Ratio Lower Upper
79 100
52 87.3 70.3 105.5
51 42.1 34.3 51.5



#4
n-Nitrosodimethylamine
Concen: 38.256 ng
RT: 3.169 min Scan# 183
Delta R.T. -0.029 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion: 42 Resp: 220937
Ion Ratio Lower Upper
42 100
74 112.1 90.3 135.5
44 6.6 5.7 8.5

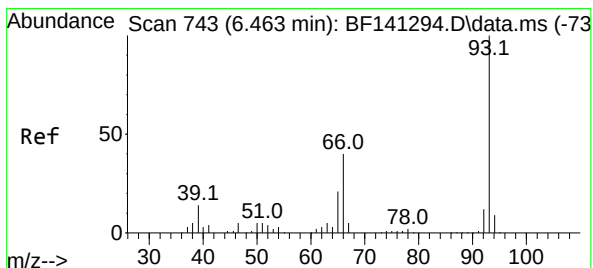
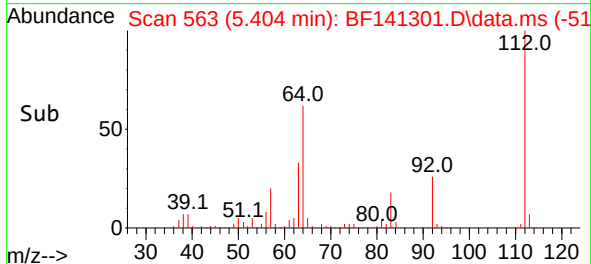
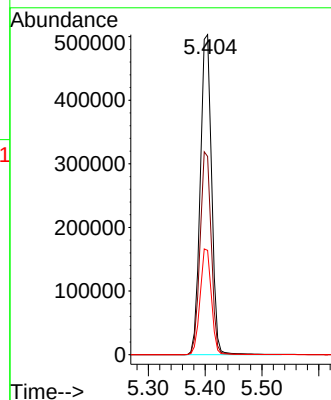
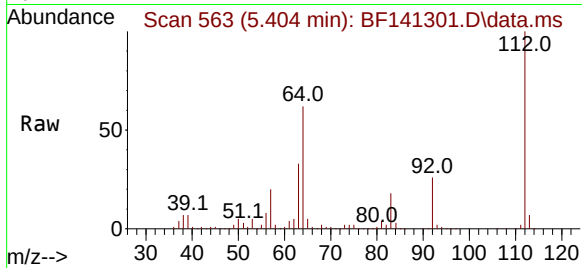




#5
2-Fluorophenol
Concen: 73.339 ng
RT: 5.404 min Scan# 50
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

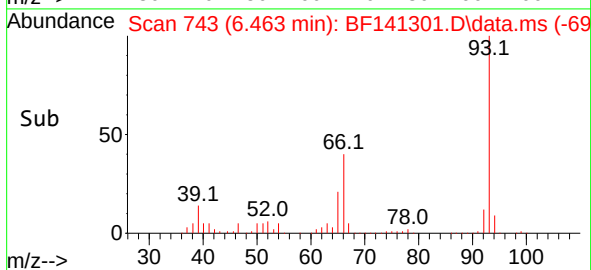
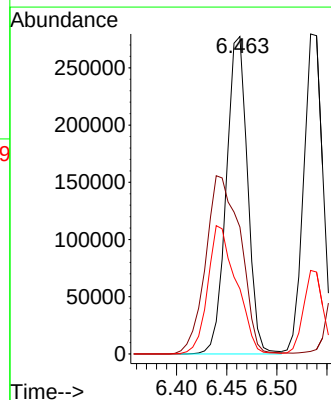
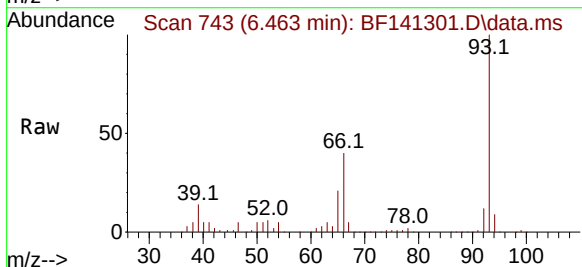
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

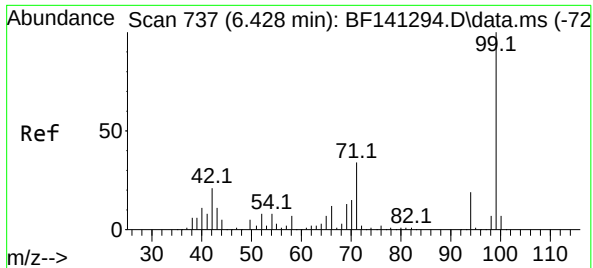
Tgt Ion:112 Resp: 699692
Ion Ratio Lower Upper
112 100
64 61.9 49.8 74.8
63 32.6 26.1 39.1



#6
Aniline
Concen: 39.701 ng
RT: 6.463 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion: 93 Resp: 407872
Ion Ratio Lower Upper
93 100
66 40.0 32.5 48.7
65 20.5 17.0 25.6

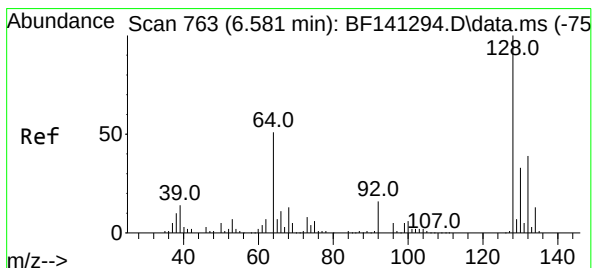
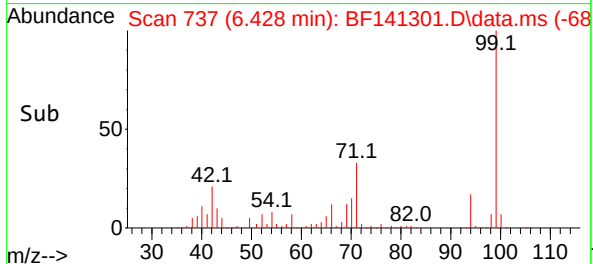
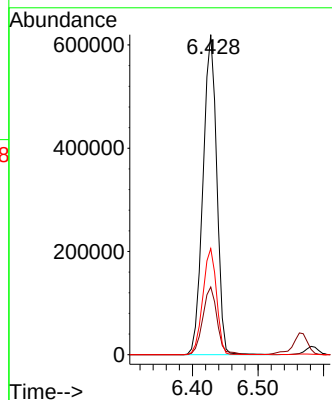
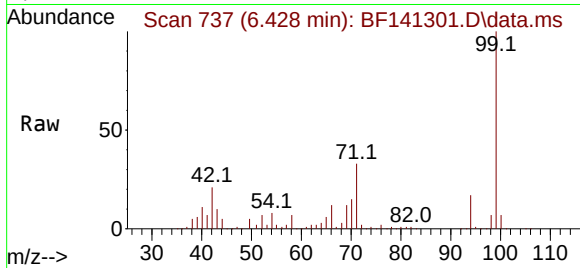




#7
Phenol-d6
Concen: 74.578 ng
RT: 6.428 min Scan# 711
Delta R.T. -0.012 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

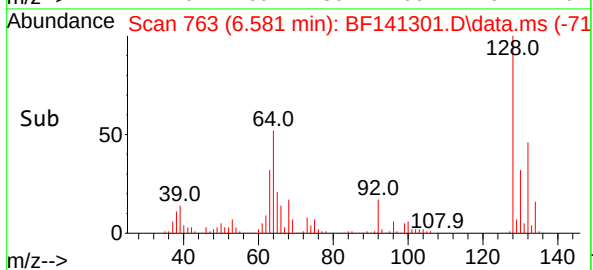
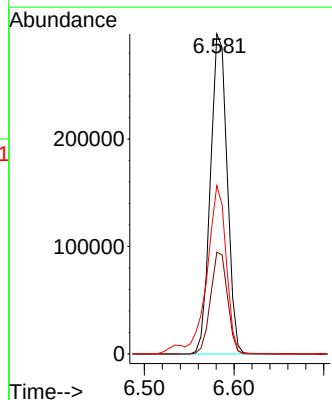
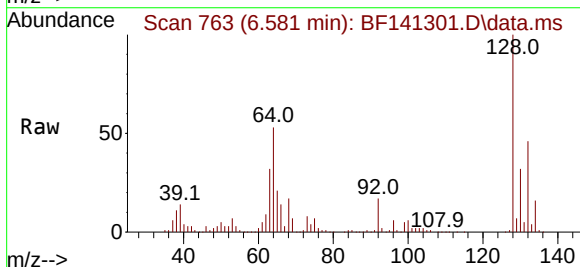
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

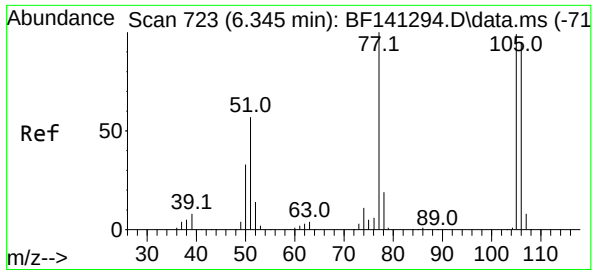
Tgt Ion: 99 Resp: 905142
Ion Ratio Lower Upper
99 100
42 21.2 17.1 25.7
71 33.2 26.9 40.3



#8
2-Chlorophenol
Concen: 37.714 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.012 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion: 128 Resp: 385660
Ion Ratio Lower Upper
128 100
130 31.8 12.5 52.5
64 52.6 32.9 72.9

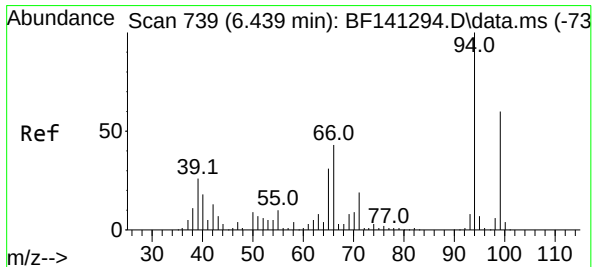
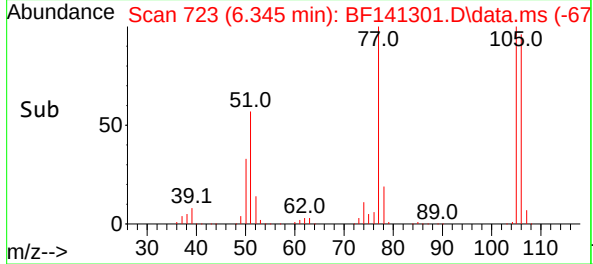
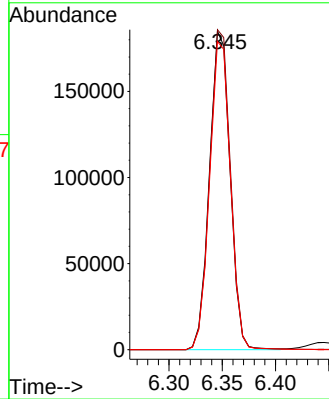
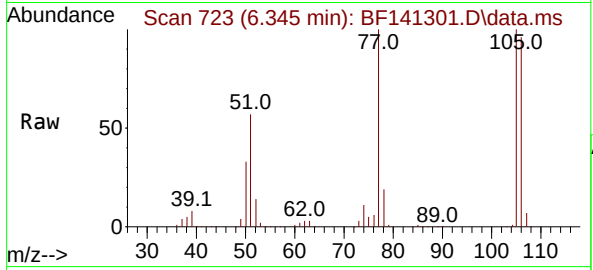




#9
Benzaldehyde
Concen: 35.516 ng
RT: 6.345 min Scan# 723
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

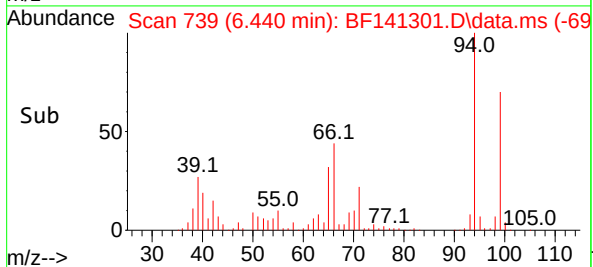
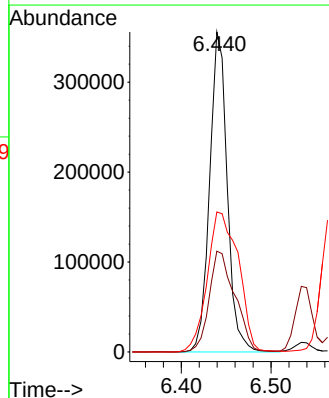
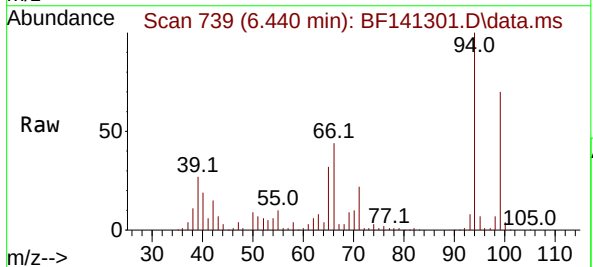
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

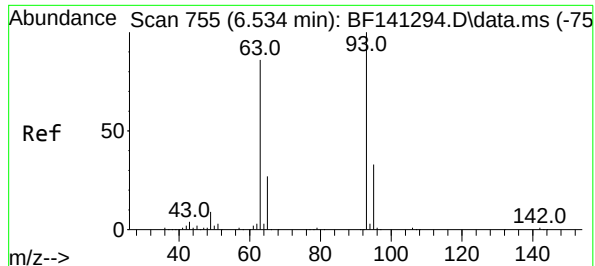
Tgt Ion: 77 Resp: 249683
Ion Ratio Lower Upper
77 100
105 100.4 79.4 119.4
106 96.7 74.6 114.6



#10
Phenol
Concen: 37.734 ng
RT: 6.440 min Scan# 739
Delta R.T. -0.012 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion: 94 Resp: 485474
Ion Ratio Lower Upper
94 100
65 31.5 10.8 50.8
66 43.8 23.3 63.3





#11

bis(2-Chloroethyl)ether

Concen: 36.896 ng

RT: 6.534 min Scan# 755

Delta R.T. -0.012 min

Lab File: BF141301.D

Acq: 30 Jan 2025 08:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

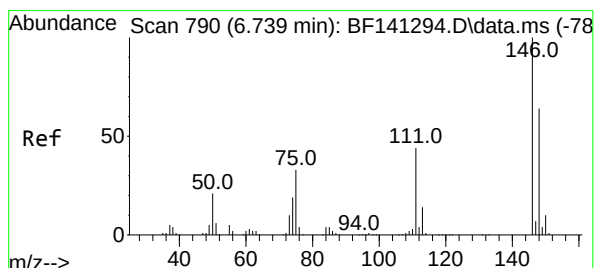
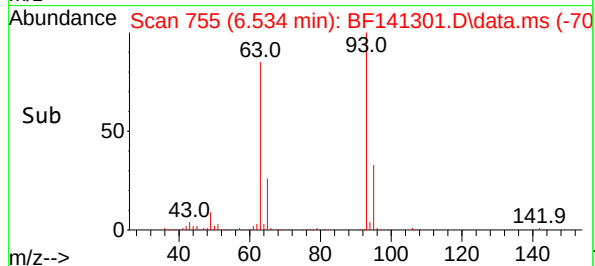
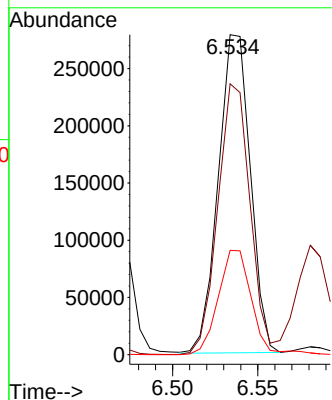
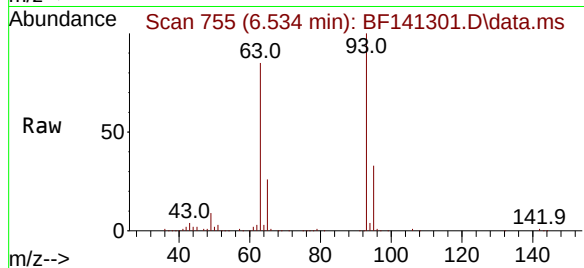
Tgt Ion: 93 Resp: 363969

Ion Ratio Lower Upper

93 100

63 84.6 65.0 105.0

95 32.6 12.4 52.4



#12

1,3-Dichlorobenzene

Concen: 37.233 ng

RT: 6.740 min Scan# 790

Delta R.T. -0.006 min

Lab File: BF141301.D

Acq: 30 Jan 2025 08:54

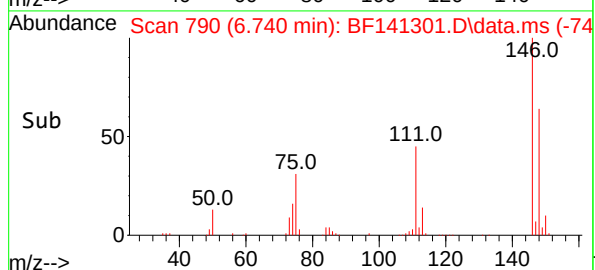
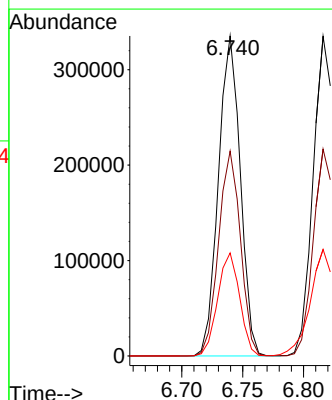
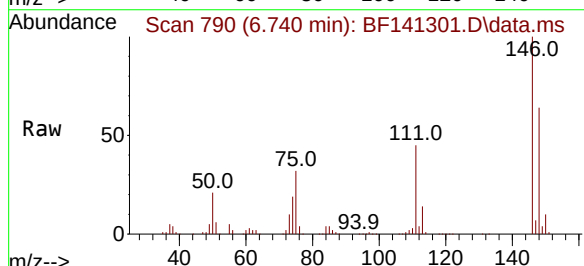
Tgt Ion: 146 Resp: 419797

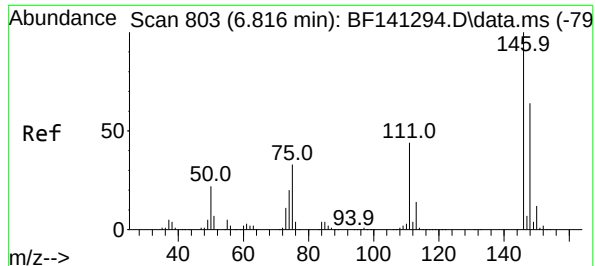
Ion Ratio Lower Upper

146 100

148 64.0 51.2 76.8

75 32.2 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 37.052 ng

RT: 6.816 min Scan# 803

Delta R.T. -0.006 min

Lab File: BF141301.D

Acq: 30 Jan 2025 08:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

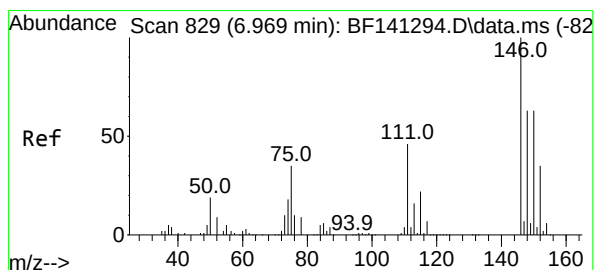
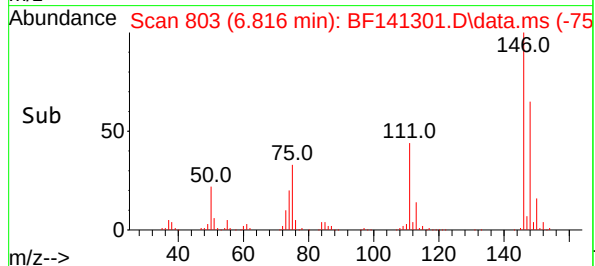
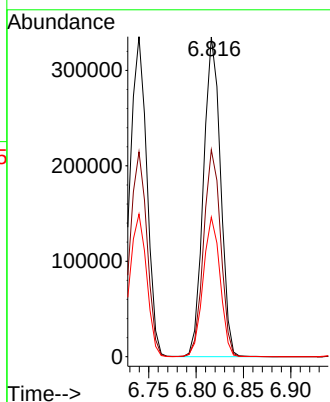
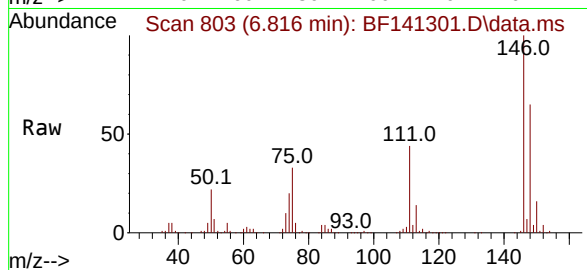
Tgt Ion:146 Resp: 419682

Ion Ratio Lower Upper

146 100

148 64.7 51.2 76.8

111 43.6 35.0 52.4



#14

1,2-Dichlorobenzene

Concen: 37.501 ng

RT: 6.969 min Scan# 829

Delta R.T. -0.006 min

Lab File: BF141301.D

Acq: 30 Jan 2025 08:54

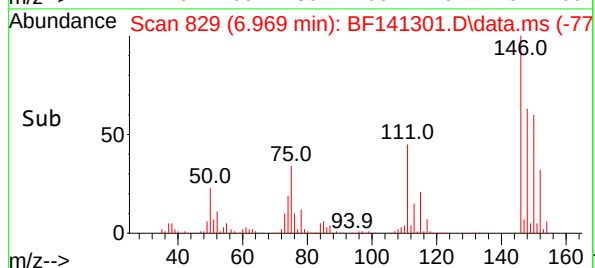
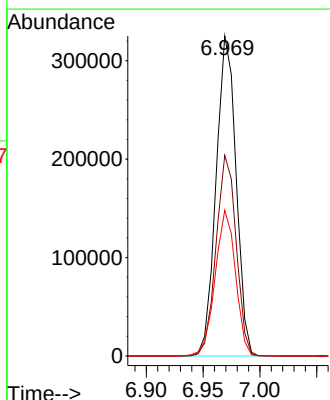
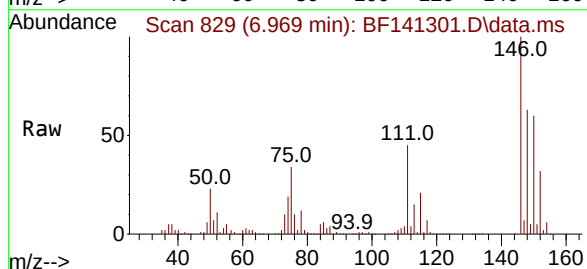
Tgt Ion:146 Resp: 397745

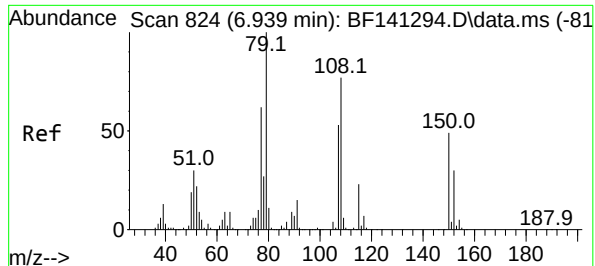
Ion Ratio Lower Upper

146 100

148 62.7 50.5 75.7

111 45.5 36.6 55.0





#15

Benzyl Alcohol

Concen: 38.584 ng

RT: 6.940 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF141301.D

Acq: 30 Jan 2025 08:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

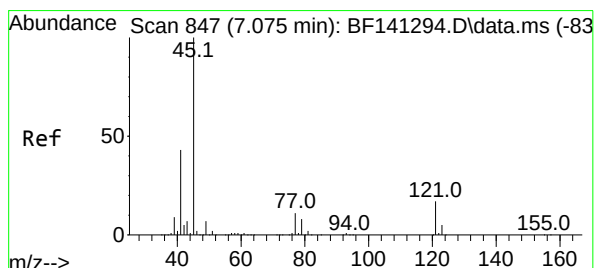
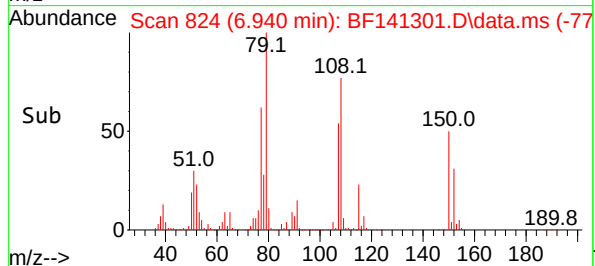
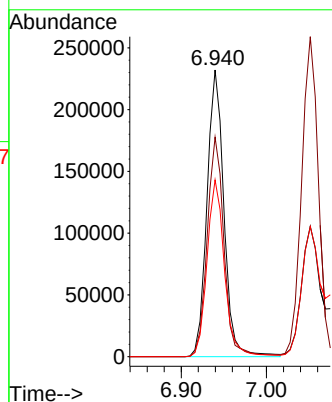
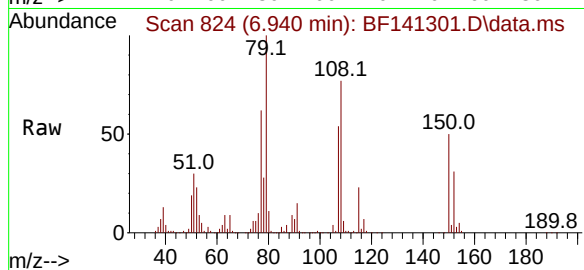
Tgt Ion: 79 Resp: 320021

Ion Ratio Lower Upper

79 100

108 76.6 61.4 92.0

77 61.7 49.9 74.9



#16

2,2'-oxybis(1-Chloropropane)

Concen: 37.839 ng

RT: 7.075 min Scan# 847

Delta R.T. -0.006 min

Lab File: BF141301.D

Acq: 30 Jan 2025 08:54

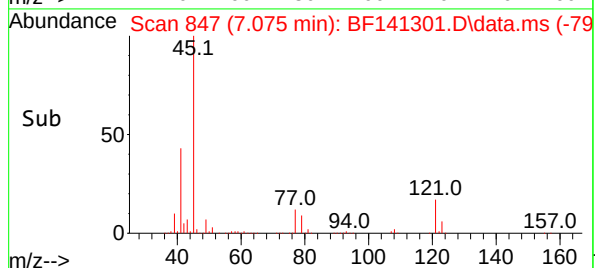
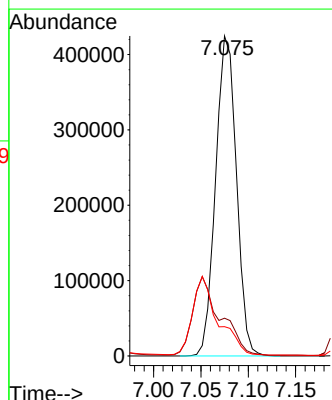
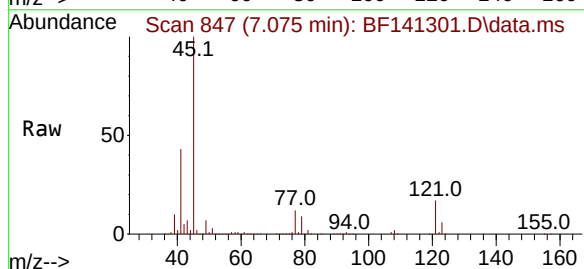
Tgt Ion: 45 Resp: 649089

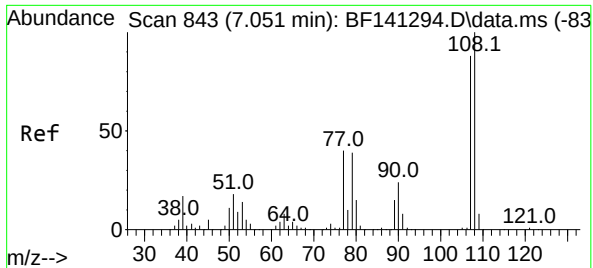
Ion Ratio Lower Upper

45 100

77 11.8 0.0 31.8

79 9.2 0.0 29.1

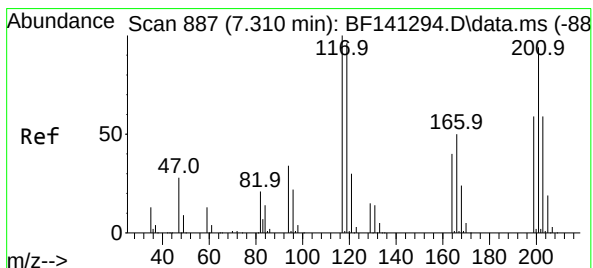
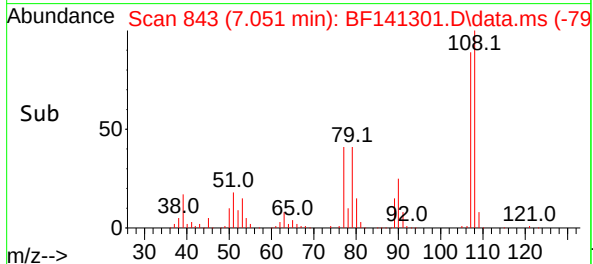
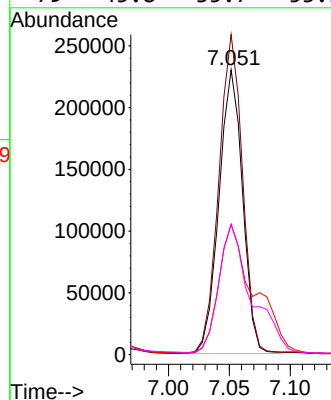
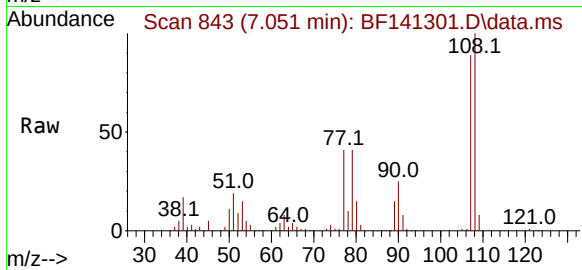




#17
2-Methylphenol
Concen: 37.247 ng
RT: 7.051 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

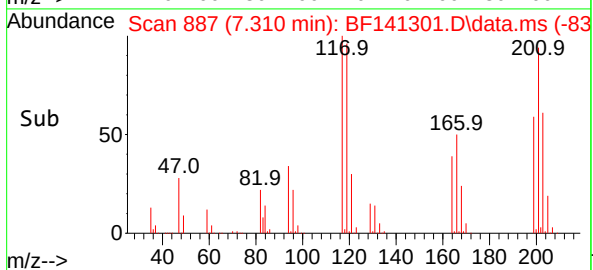
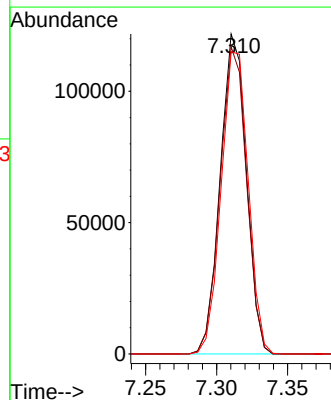
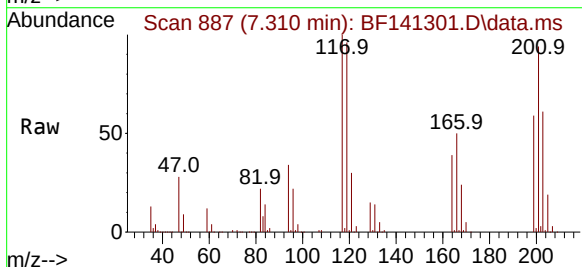
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

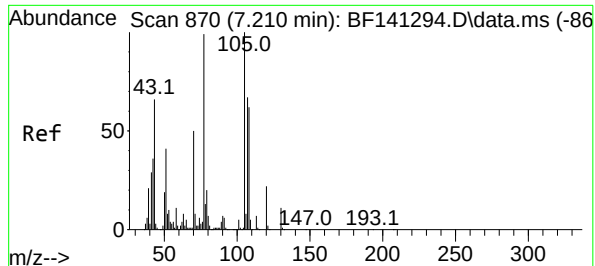
Tgt Ion:107 Resp: 309553
Ion Ratio Lower Upper
107 100
108 112.4 90.8 136.2
77 45.7 36.2 54.4
79 45.8 35.7 53.5



#18
Hexachloroethane
Concen: 37.348 ng
RT: 7.310 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:117 Resp: 156061
Ion Ratio Lower Upper
117 100
119 96.0 76.6 114.8
201 94.5 74.8 112.2





#19

n-Nitroso-di-n-propylamine

Concen: 37.005 ng

RT: 7.216 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF141301.D

Acq: 30 Jan 2025 08:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 70 Resp: 266872

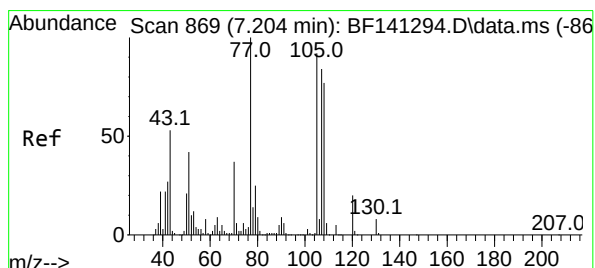
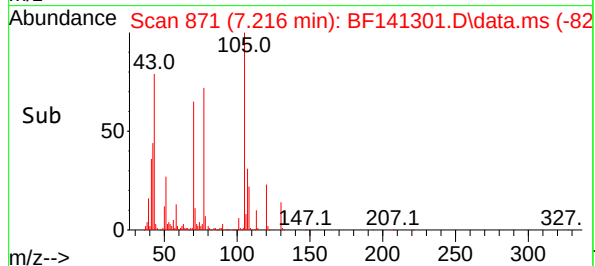
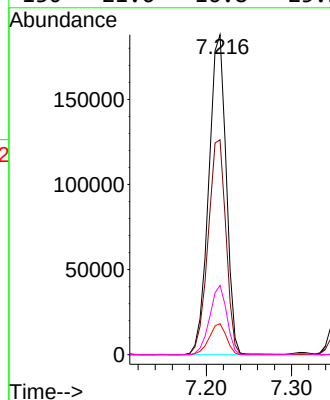
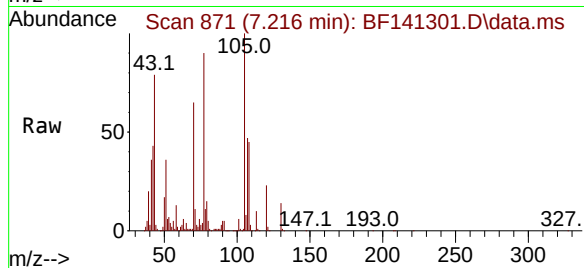
Ion Ratio Lower Upper

70 100

42 67.1 56.8 85.2

101 9.7 7.7 11.5

130 21.6 16.8 25.2



#20

3+4-Methylphenols

Concen: 37.247 ng

RT: 7.204 min Scan# 869

Delta R.T. -0.012 min

Lab File: BF141301.D

Acq: 30 Jan 2025 08:54

Tgt Ion: 107 Resp: 380083

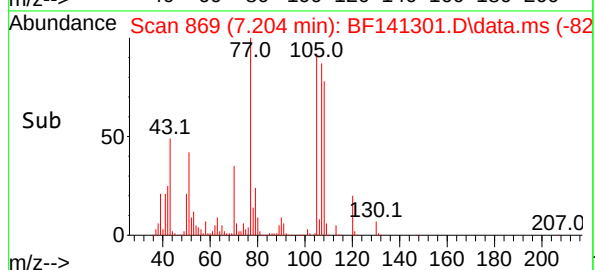
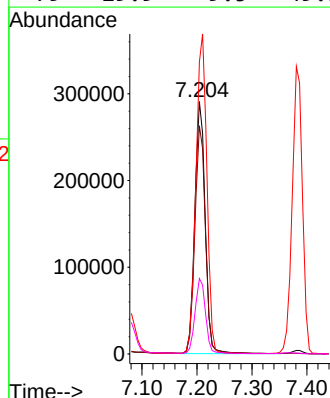
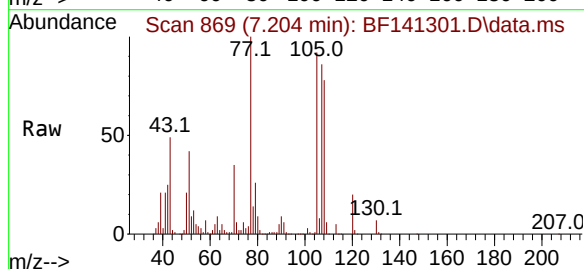
Ion Ratio Lower Upper

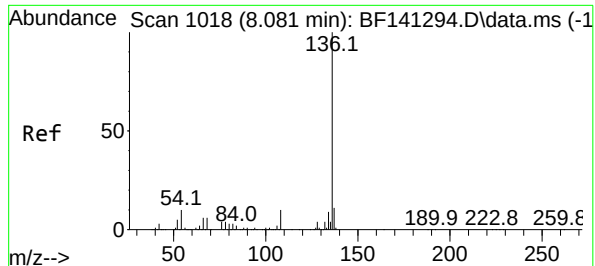
107 100

108 90.4 70.9 110.9

77 115.7 98.5 138.5

79 29.9 9.5 49.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.081 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141301.D

Acq: 30 Jan 2025 08:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:136 Resp: 575983

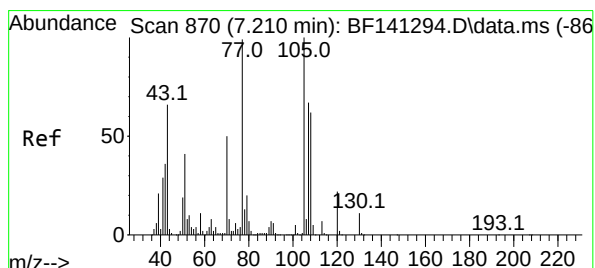
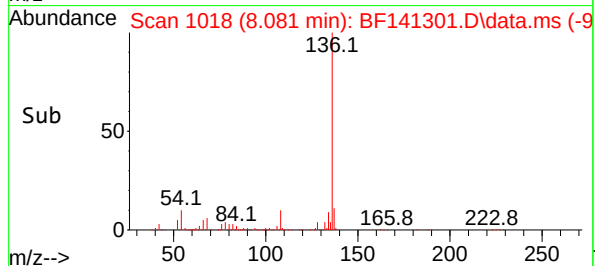
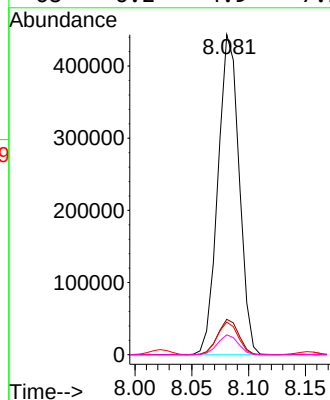
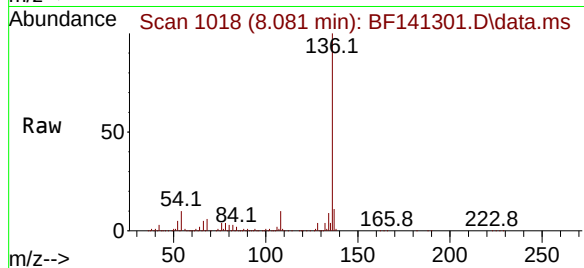
Ion Ratio Lower Upper

136 100

137 11.1 8.6 13.0

54 10.2 7.8 11.8

68 6.2 4.9 7.3



#22

Acetophenone

Concen: 36.587 ng

RT: 7.210 min Scan# 870

Delta R.T. -0.006 min

Lab File: BF141301.D

Acq: 30 Jan 2025 08:54

Tgt Ion:105 Resp: 500914

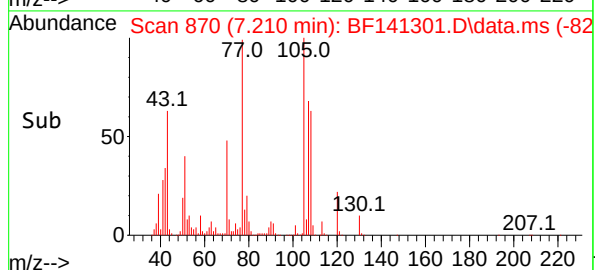
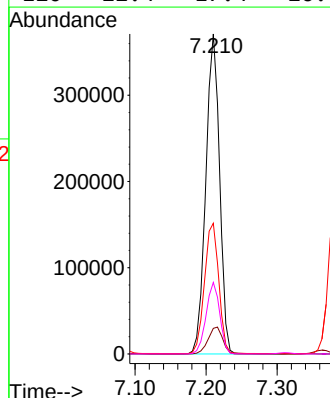
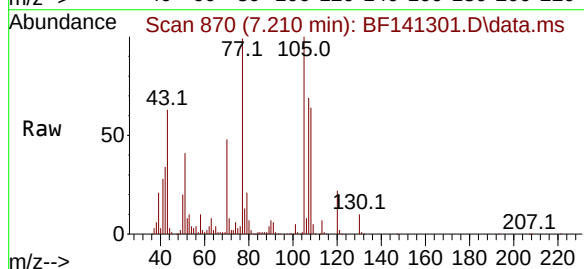
Ion Ratio Lower Upper

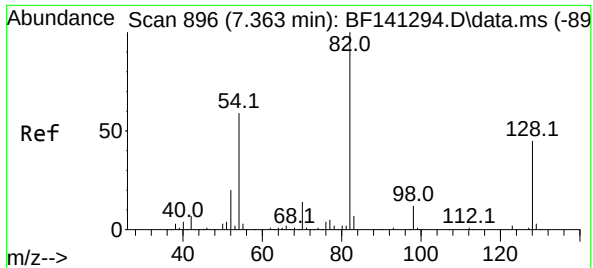
105 100

71 8.0 6.8 10.2

51 40.8 32.6 49.0

120 22.4 17.4 26.0





#23

Nitrobenzene-d5

Concen: 75.011 ng

RT: 7.363 min Scan# 896

Delta R.T. -0.006 min

Lab File: BF141301.D

Acq: 30 Jan 2025 08:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

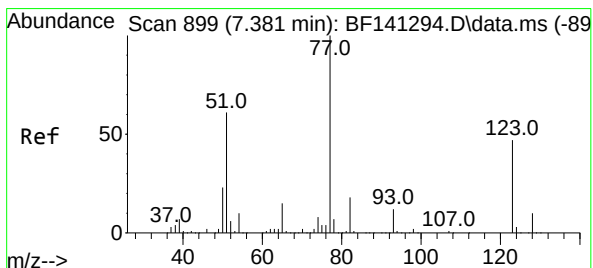
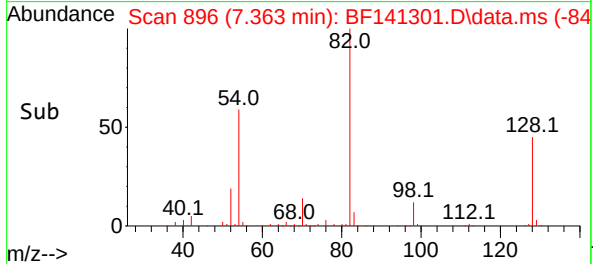
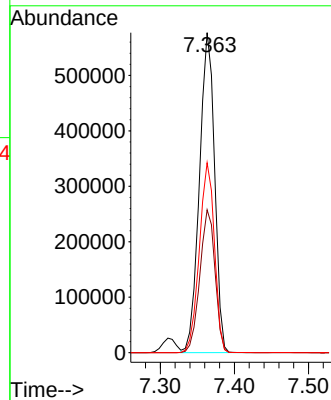
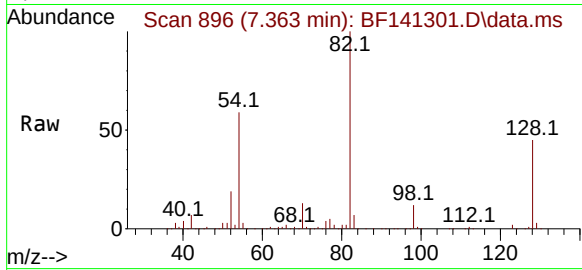
Tgt Ion: 82 Resp: 819573

Ion Ratio Lower Upper

82 100

128 44.7 35.7 53.5

54 59.3 47.1 70.7



#24

Nitrobenzene

Concen: 37.656 ng

RT: 7.381 min Scan# 899

Delta R.T. -0.012 min

Lab File: BF141301.D

Acq: 30 Jan 2025 08:54

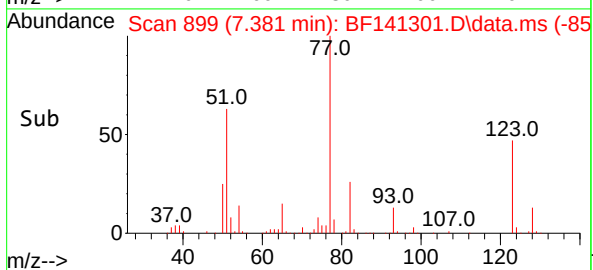
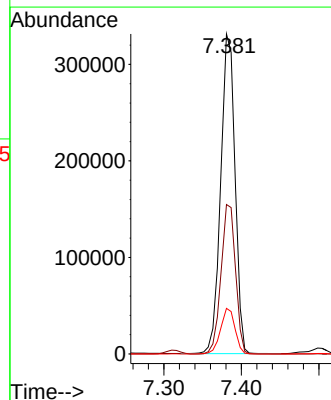
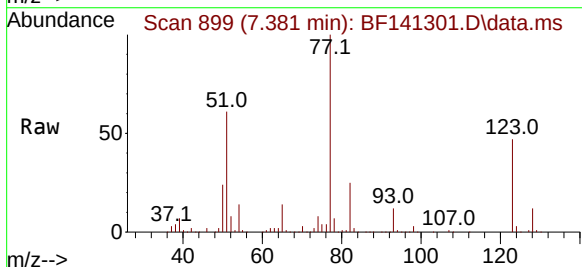
Tgt Ion: 77 Resp: 426364

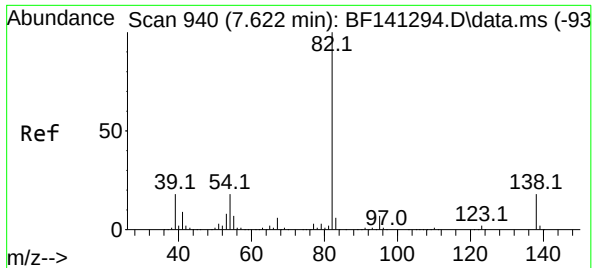
Ion Ratio Lower Upper

77 100

123 46.7 37.3 55.9

65 14.2 11.8 17.6

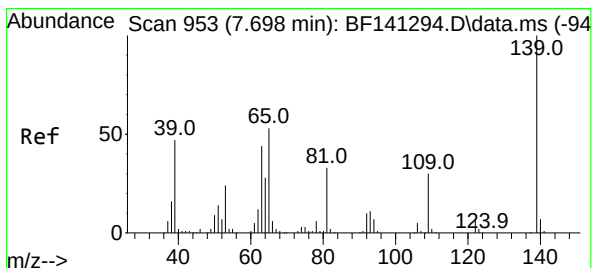
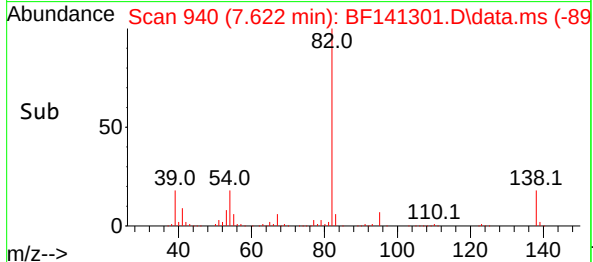
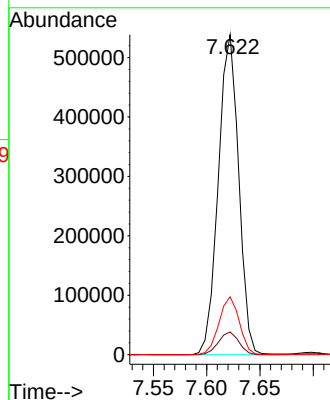
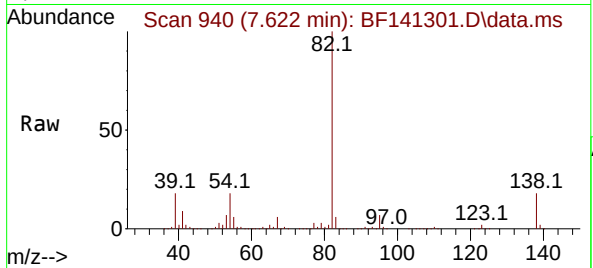




#25
Isophorone
Concen: 37.866 ng
RT: 7.622 min Scan# 940
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

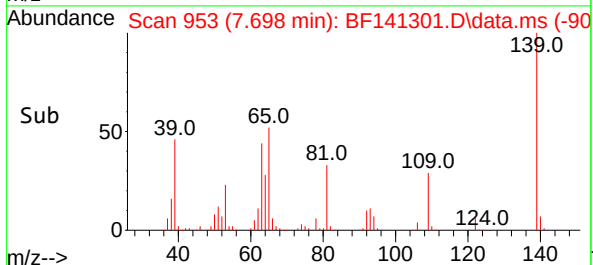
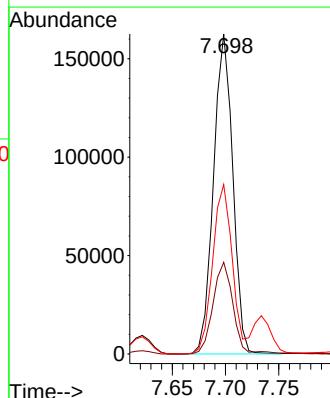
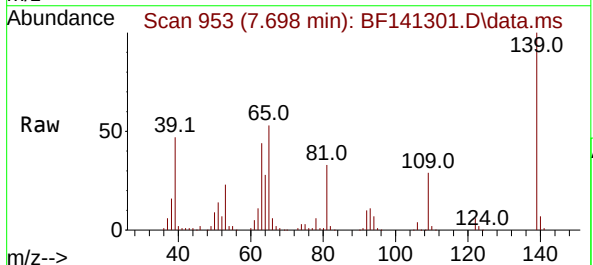
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

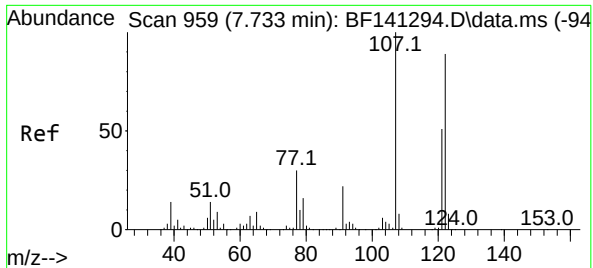
Tgt Ion: 82 Resp: 715169
Ion Ratio Lower Upper
82 100
95 7.1 5.8 8.6
138 18.1 14.7 22.1



#26
2-Nitrophenol
Concen: 38.187 ng
RT: 7.698 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion: 139 Resp: 203916
Ion Ratio Lower Upper
139 100
109 28.6 23.8 35.6
65 52.9 42.2 63.4





#27

2,4-Dimethylphenol

Concen: 38.454 ng

RT: 7.734 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF141301.D

Acq: 30 Jan 2025 08:54

Instrument :

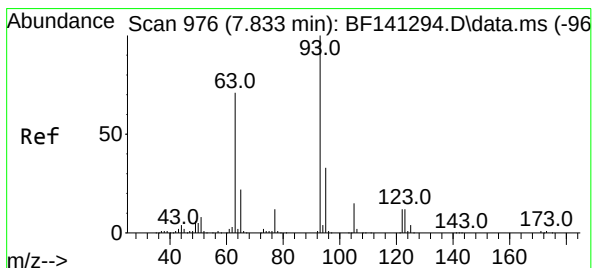
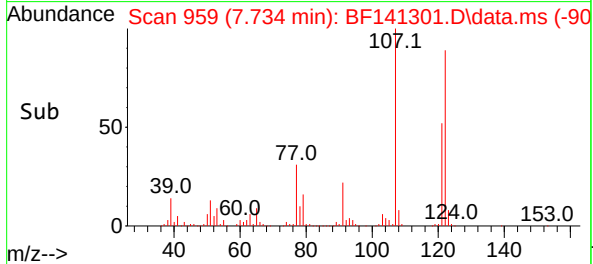
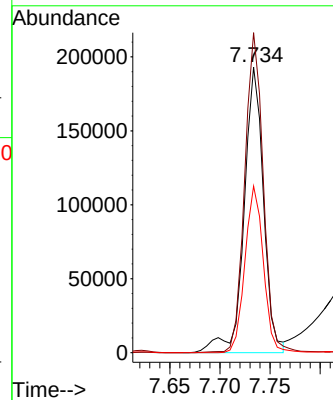
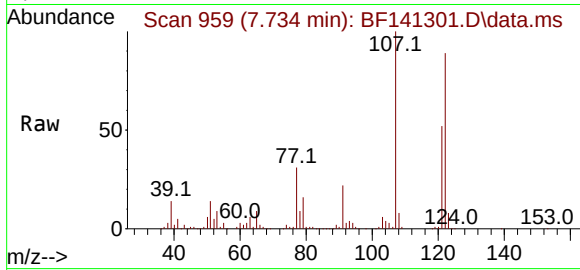
BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:122 Resp: 261367

Ion	Ratio	Lower	Upper
122	100		
107	112.0	89.9	134.9
121	58.3	46.1	69.1



#28

bis(2-Chloroethoxy)methane

Concen: 37.666 ng

RT: 7.834 min Scan# 976

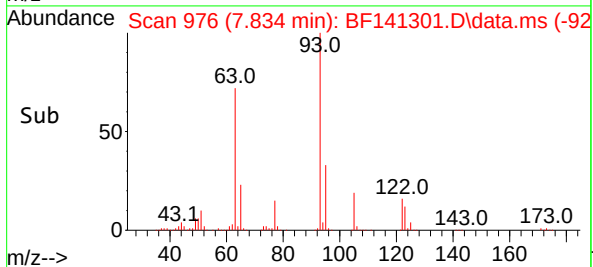
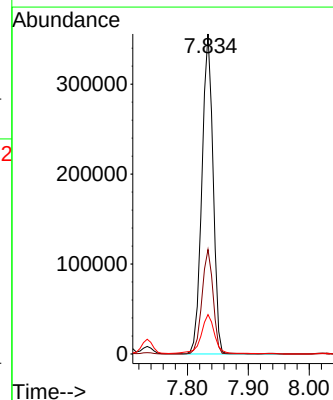
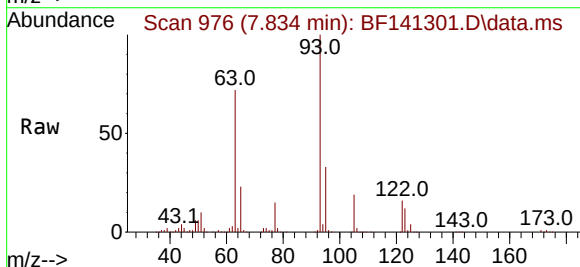
Delta R.T. -0.006 min

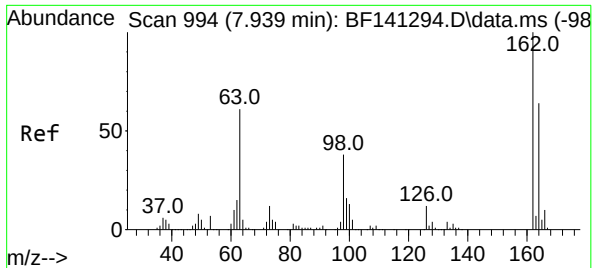
Lab File: BF141301.D

Acq: 30 Jan 2025 08:54

Tgt Ion: 93 Resp: 453765

Ion	Ratio	Lower	Upper
93	100		
95	32.6	26.2	39.2
123	12.3	10.2	15.4





#29

2,4-Dichlorophenol

Concen: 37.822 ng

RT: 7.939 min Scan# 994

Delta R.T. -0.006 min

Lab File: BF141301.D

Acq: 30 Jan 2025 08:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

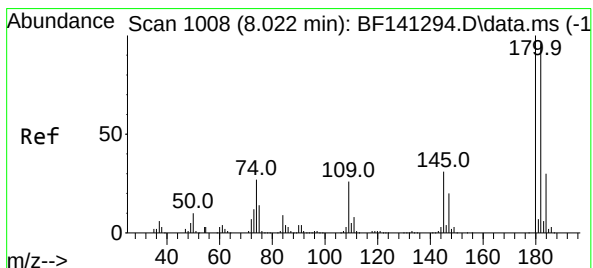
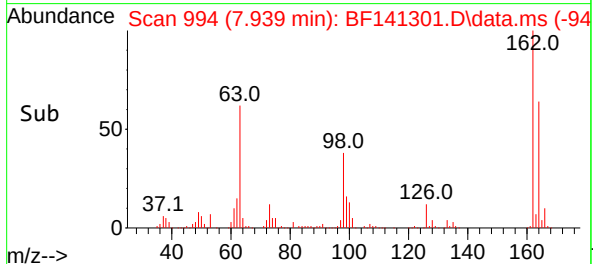
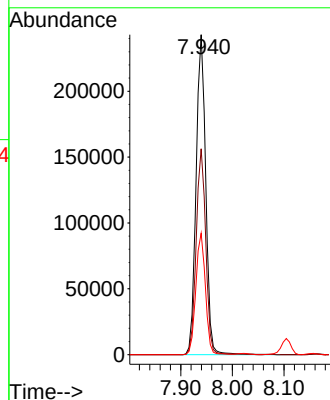
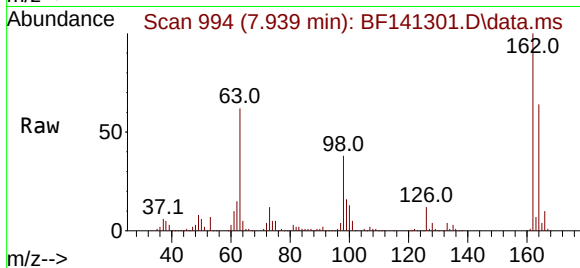
Tgt Ion:162 Resp: 314718

Ion Ratio Lower Upper

162 100

164 64.3 44.2 84.2

98 37.9 18.2 58.2



#30

1,2,4-Trichlorobenzene

Concen: 37.030 ng

RT: 8.022 min Scan# 1008

Delta R.T. -0.006 min

Lab File: BF141301.D

Acq: 30 Jan 2025 08:54

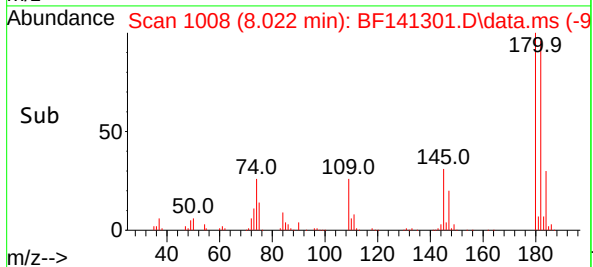
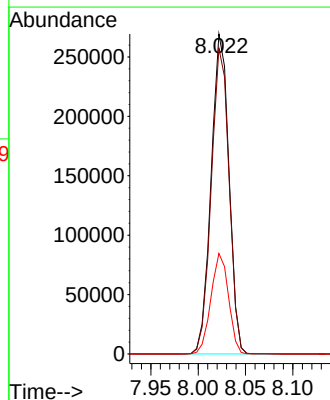
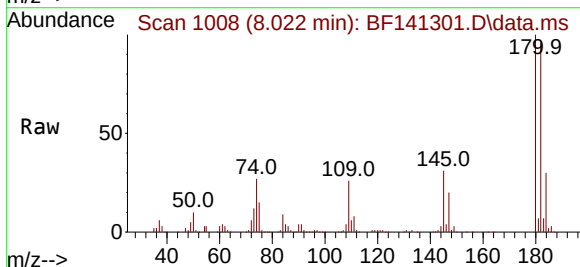
Tgt Ion:180 Resp: 351887

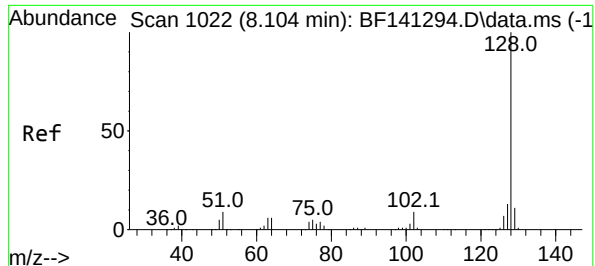
Ion Ratio Lower Upper

180 100

182 95.6 76.4 114.6

145 31.4 24.9 37.3





#31

Naphthalene

Concen: 37.109 ng

RT: 8.104 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141301.D

Acq: 30 Jan 2025 08:54

Instrument :

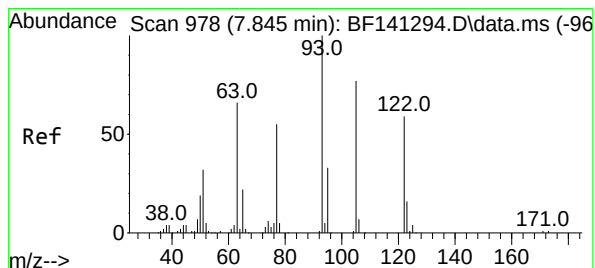
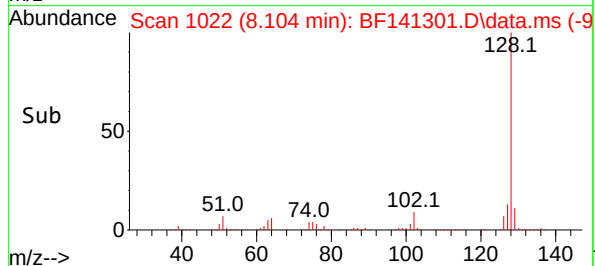
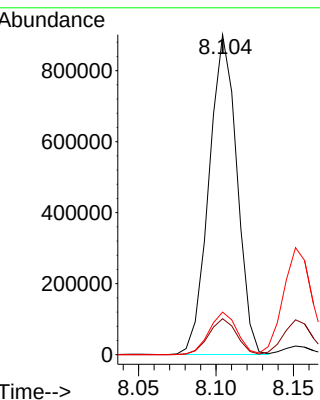
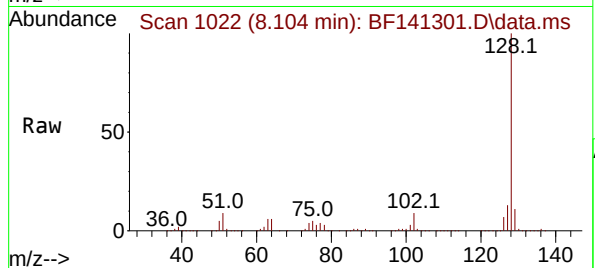
BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:128 Resp: 1129129

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.9	13.3
127	13.3	10.6	15.8



#32

Benzoic acid

Concen: 38.870 ng

RT: 7.845 min Scan# 978

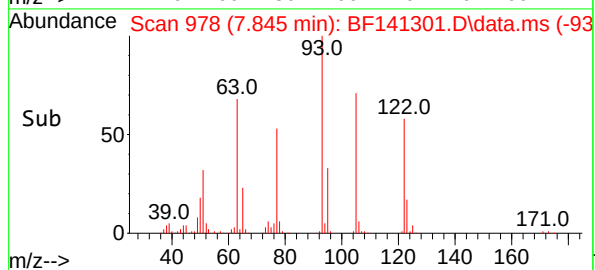
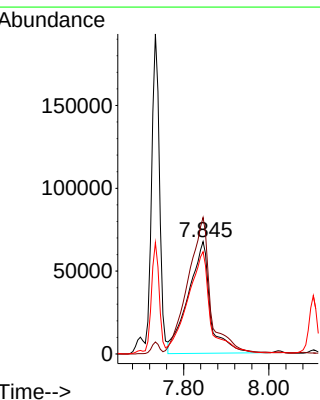
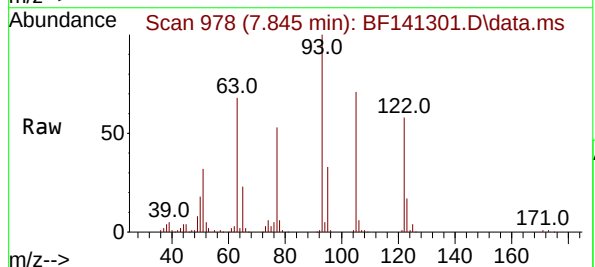
Delta R.T. -0.035 min

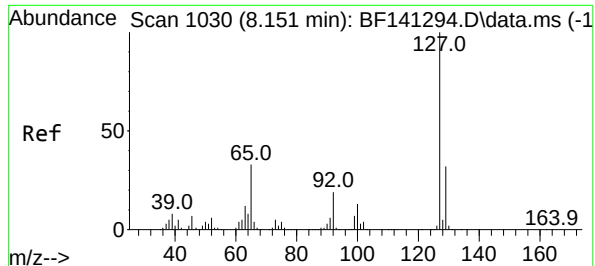
Lab File: BF141301.D

Acq: 30 Jan 2025 08:54

Tgt Ion:122 Resp: 242870

Ion	Ratio	Lower	Upper
122	100		
105	121.5	103.4	143.4
77	91.1	70.9	110.9





#33

4-Chloroaniline

Concen: 38.063 ng

RT: 8.151 min Scan# 1030

Delta R.T. -0.006 min

Lab File: BF141301.D

Acq: 30 Jan 2025 08:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:127 Resp: 392735

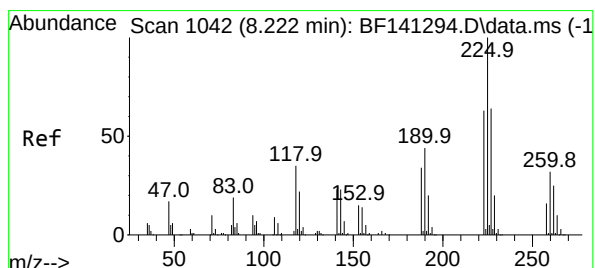
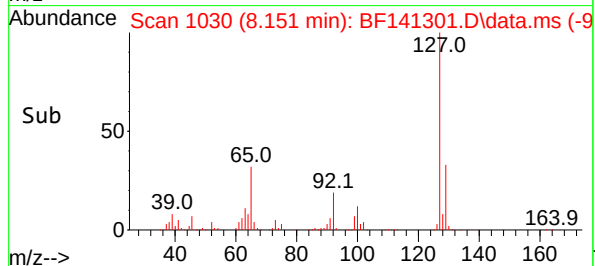
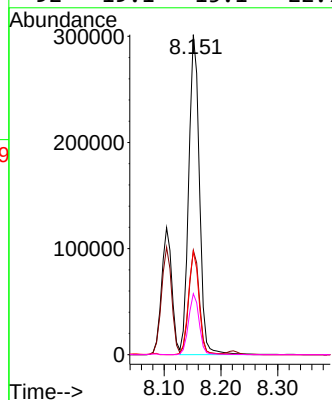
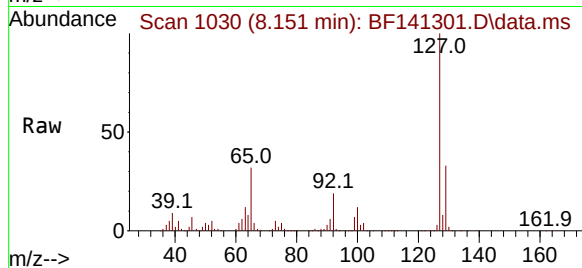
Ion Ratio Lower Upper

127 100

129 32.6 25.7 38.5

65 32.2 26.4 39.6

92 19.1 15.1 22.7



#34

Hexachlorobutadiene

Concen: 37.404 ng

RT: 8.222 min Scan# 1042

Delta R.T. -0.000 min

Lab File: BF141301.D

Acq: 30 Jan 2025 08:54

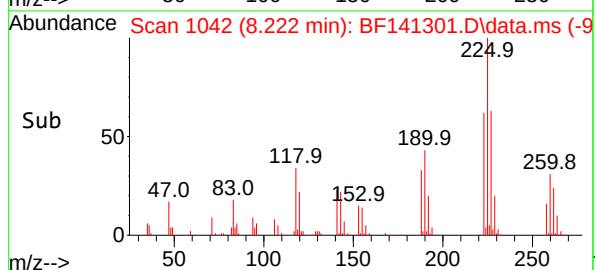
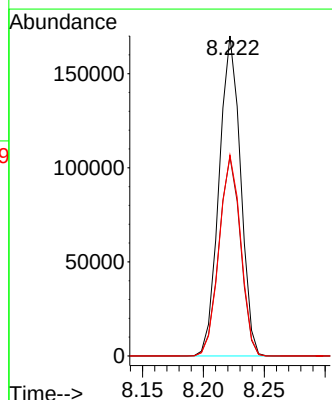
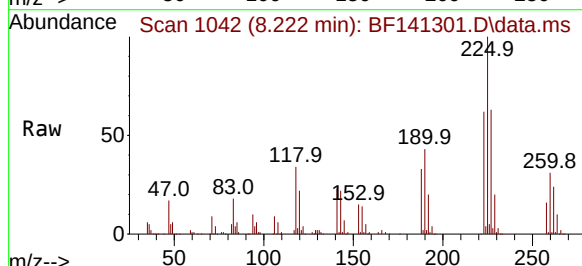
Tgt Ion:225 Resp: 208442

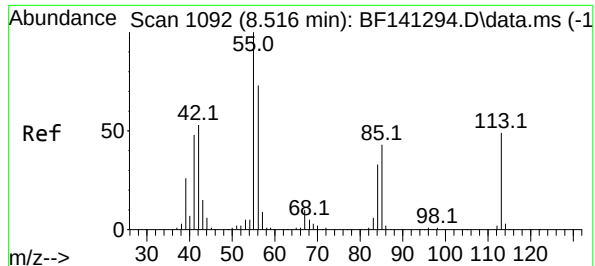
Ion Ratio Lower Upper

225 100

223 62.2 50.4 75.6

227 62.7 51.3 76.9





#35

Caprolactam

Concen: 38.592 ng

RT: 8.522 min Scan# 1093

Delta R.T. -0.024 min

Lab File: BF141301.D

Acq: 30 Jan 2025 08:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

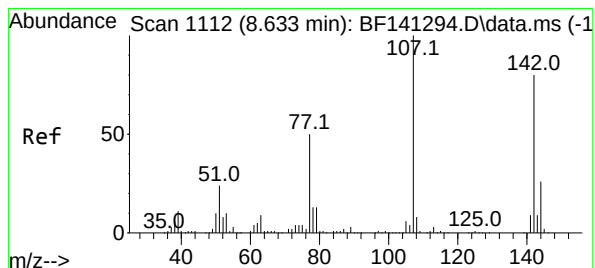
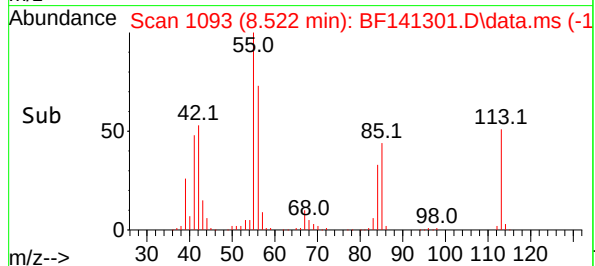
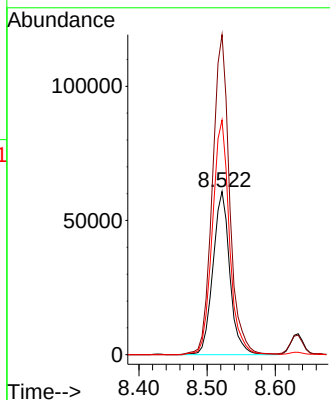
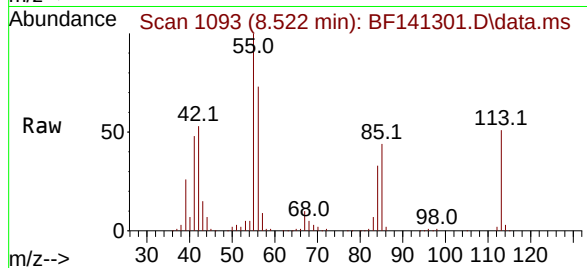
Tgt Ion:113 Resp: 104874

Ion Ratio Lower Upper

113 100

55 196.0 182.9 222.9

56 143.8 127.9 167.9



#36

4-Chloro-3-methylphenol

Concen: 38.080 ng

RT: 8.634 min Scan# 1112

Delta R.T. -0.006 min

Lab File: BF141301.D

Acq: 30 Jan 2025 08:54

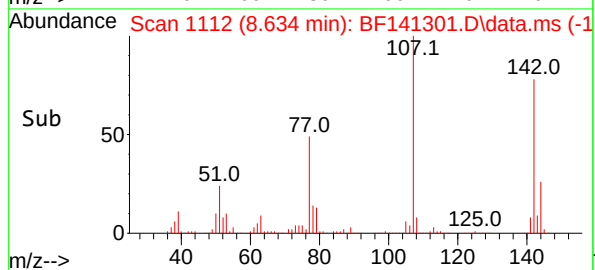
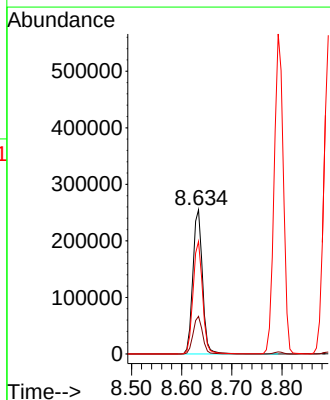
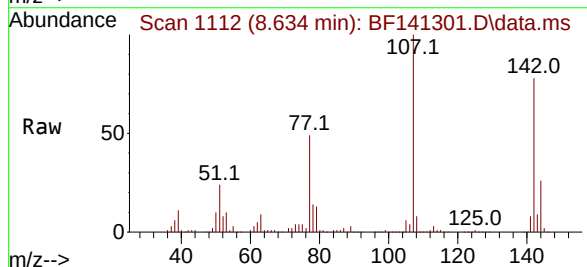
Tgt Ion:107 Resp: 339876

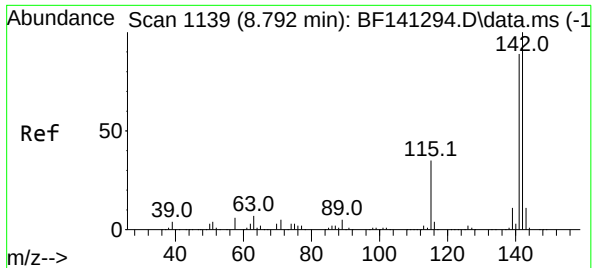
Ion Ratio Lower Upper

107 100

144 26.1 20.7 31.1

142 78.0 63.8 95.8

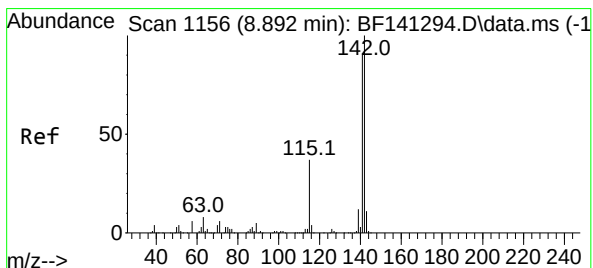
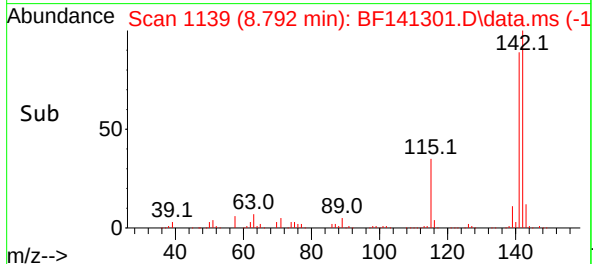
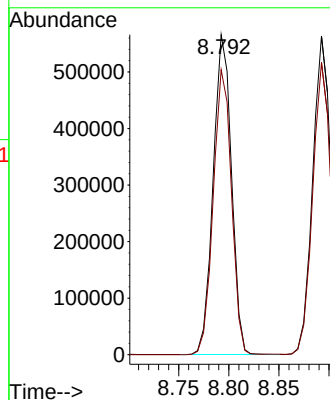
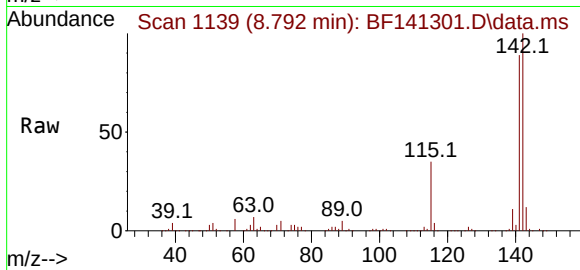




#37
2-Methylnaphthalene
Concen: 37.063 ng
RT: 8.792 min Scan# 1139
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

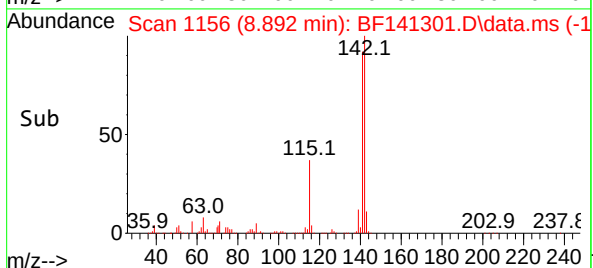
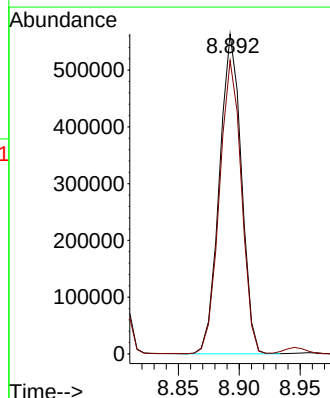
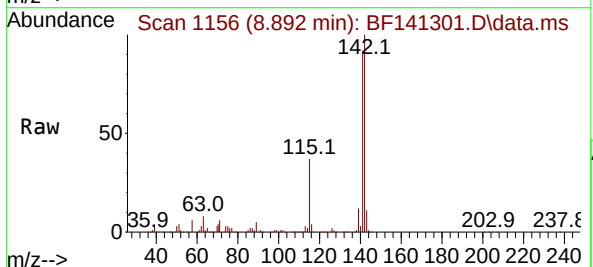
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

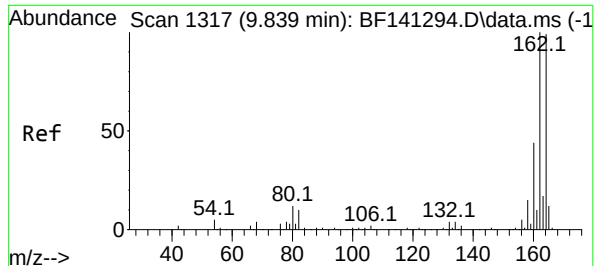
Tgt Ion:142 Resp: 716771
Ion Ratio Lower Upper
142 100
141 89.1 71.3 106.9



#38
1-Methylnaphthalene
Concen: 37.152 ng
RT: 8.892 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:142 Resp: 705777
Ion Ratio Lower Upper
142 100
141 91.7 73.2 109.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.839 min Scan# 1117

Delta R.T. -0.000 min

Lab File: BF141301.D

Acq: 30 Jan 2025 08:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

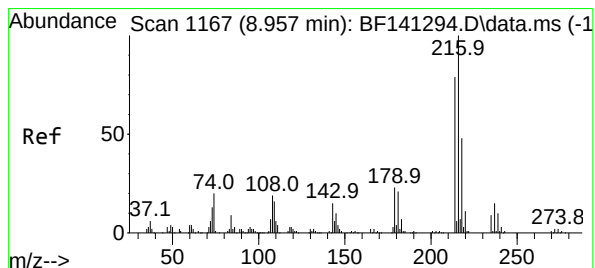
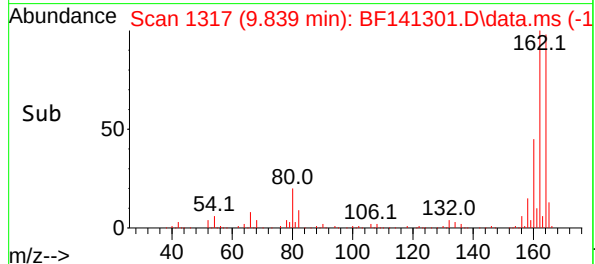
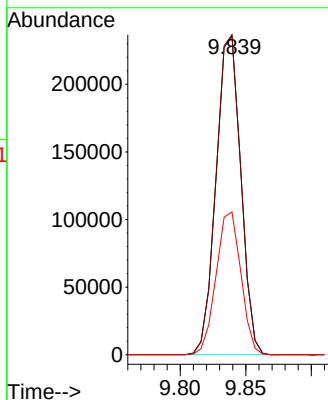
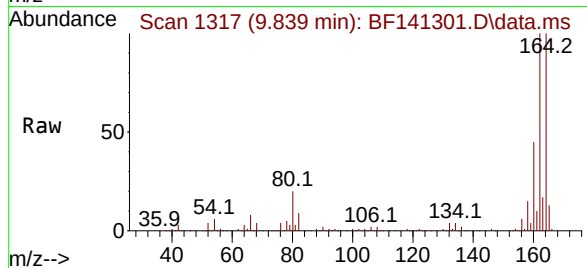
Tgt Ion:164 Resp: 308835

Ion Ratio Lower Upper

164 100

162 100.3 80.6 121.0

160 44.7 35.8 53.6



#40

1,2,4,5-Tetrachlorobenzene

Concen: 37.450 ng

RT: 8.957 min Scan# 1167

Delta R.T. -0.006 min

Lab File: BF141301.D

Acq: 30 Jan 2025 08:54

Tgt Ion:216 Resp: 329038

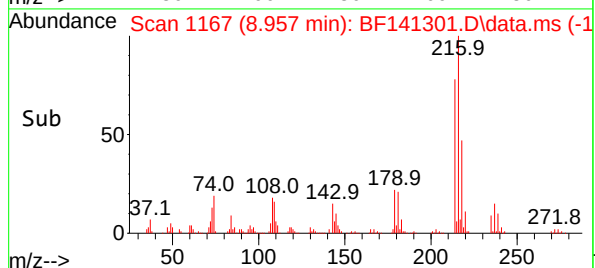
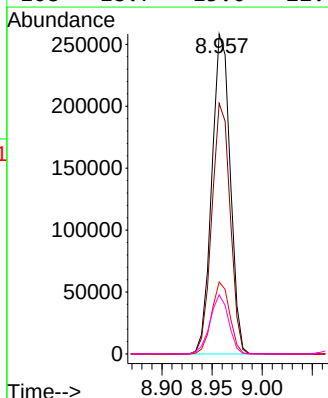
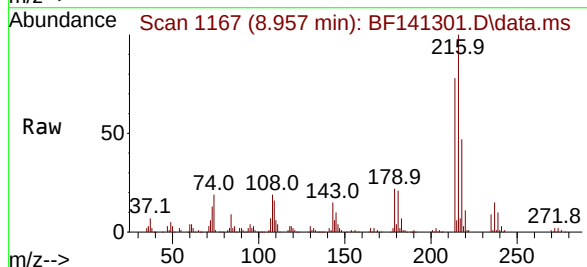
Ion Ratio Lower Upper

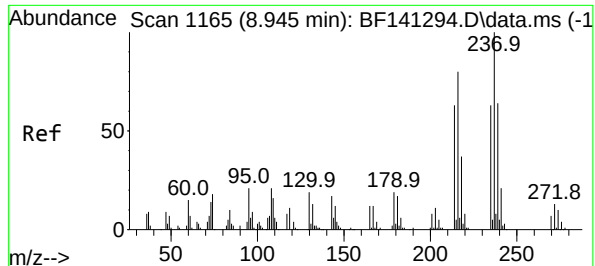
216 100

214 78.1 63.2 94.8

179 22.1 17.8 26.8

108 18.7 15.0 22.6





#41

Hexachlorocyclopentadiene

Concen: 40.862 ng

RT: 8.945 min Scan# 1165

Delta R.T. -0.006 min

Lab File: BF141301.D

Acq: 30 Jan 2025 08:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

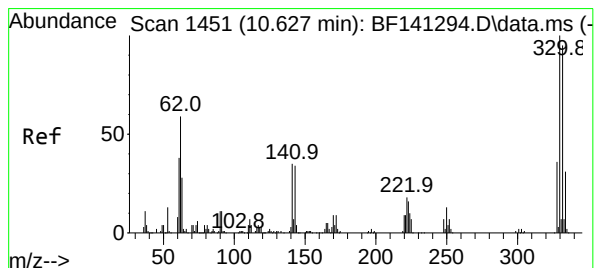
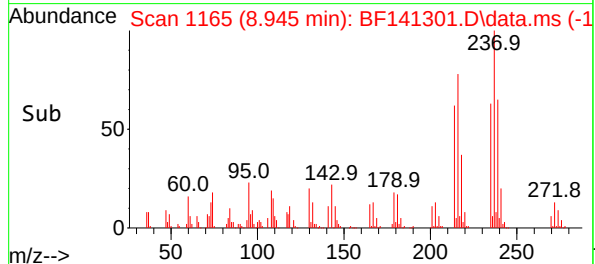
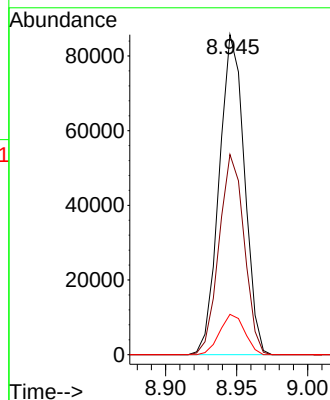
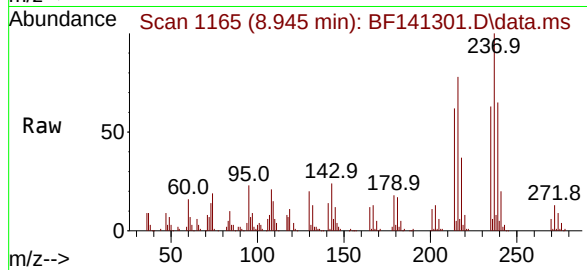
Tgt Ion:237 Resp: 106026

Ion Ratio Lower Upper

237 100

235 62.5 42.9 82.9

272 12.6 0.0 32.8



#42

2,4,6-Tribromophenol

Concen: 75.804 ng

RT: 10.628 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF141301.D

Acq: 30 Jan 2025 08:54

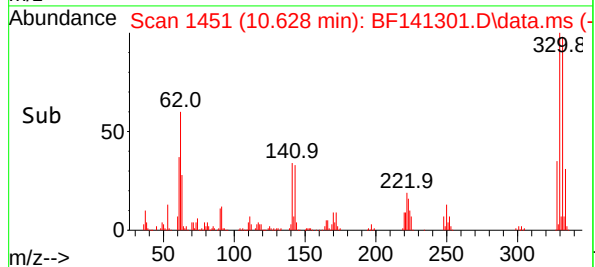
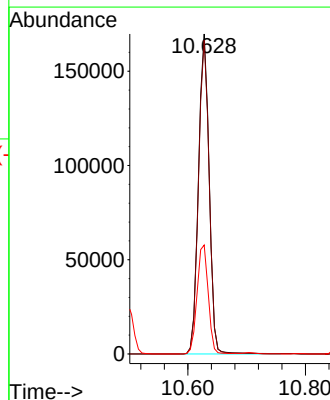
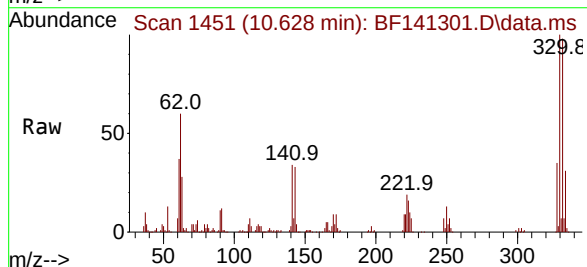
Tgt Ion:330 Resp: 214625

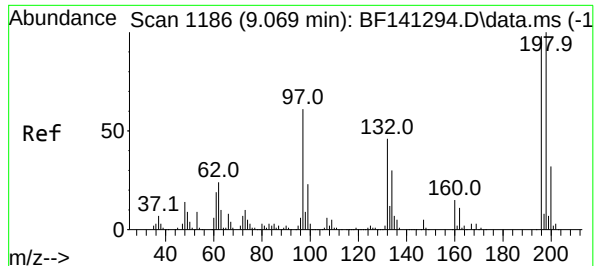
Ion Ratio Lower Upper

330 100

332 98.0 76.1 114.1

141 35.4 28.8 43.2





#43

2,4,6-Trichlorophenol

Concen: 38.755 ng

RT: 9.069 min Scan# 1186

Delta R.T. -0.006 min

Lab File: BF141301.D

Acq: 30 Jan 2025 08:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

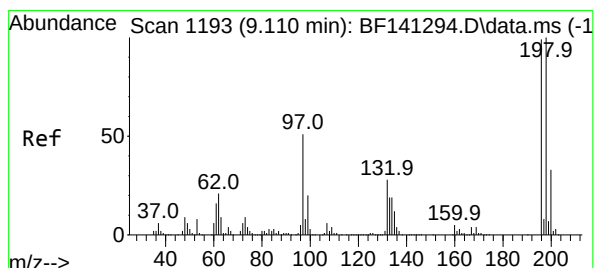
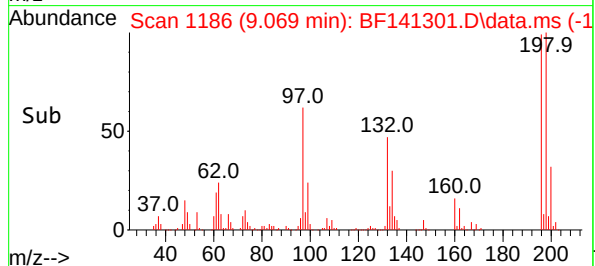
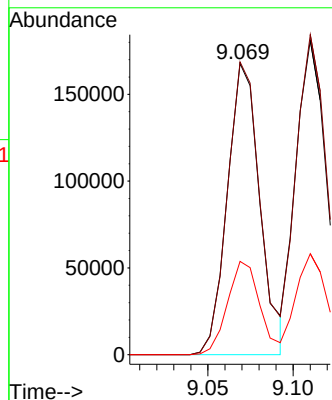
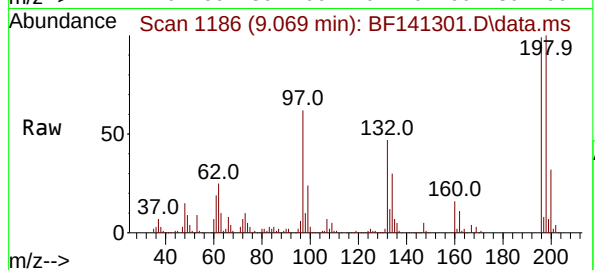
Tgt Ion:196 Resp: 222870

Ion Ratio Lower Upper

196 100

198 100.5 81.8 122.6

200 32.0 26.3 39.5



#44

2,4,5-Trichlorophenol

Concen: 36.919 ng

RT: 9.110 min Scan# 1193

Delta R.T. -0.006 min

Lab File: BF141301.D

Acq: 30 Jan 2025 08:54

Tgt Ion:196 Resp: 231078

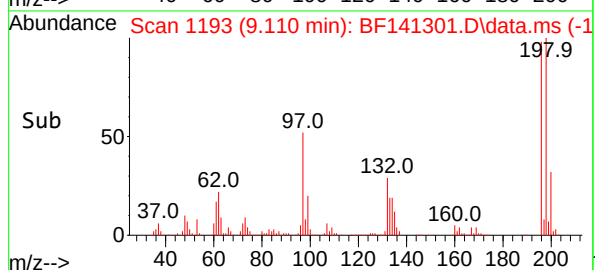
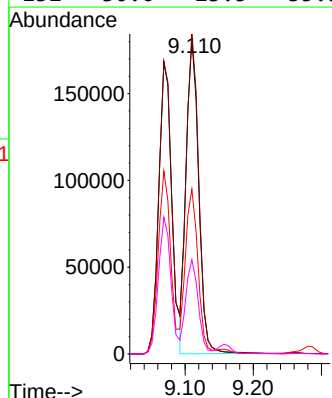
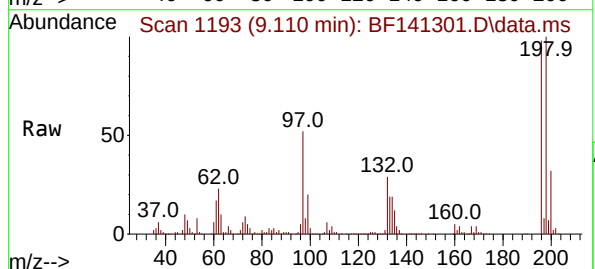
Ion Ratio Lower Upper

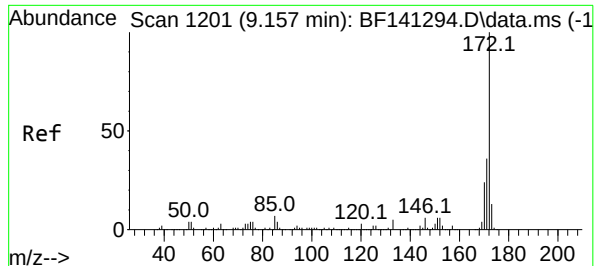
196 100

198 101.8 80.5 120.7

97 52.4 42.8 64.2

132 30.0 23.5 35.3





#45

2-Fluorobiphenyl

Concen: 71.765 ng

RT: 9.157 min Scan# 1201

Delta R.T. -0.006 min

Lab File: BF141301.D

Acq: 30 Jan 2025 08:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

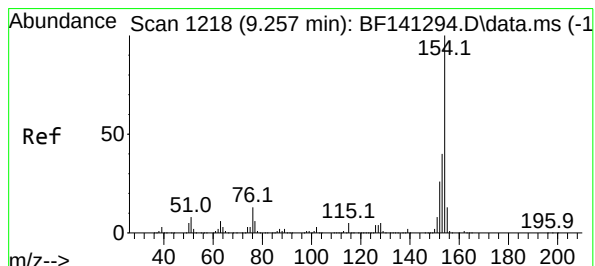
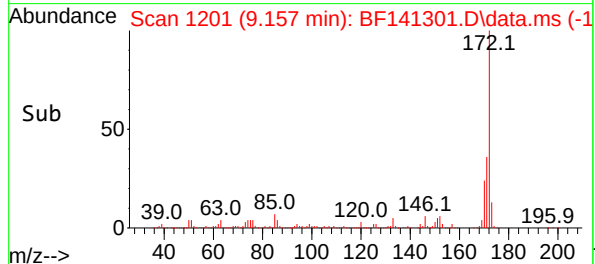
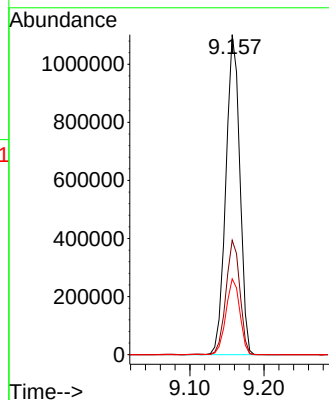
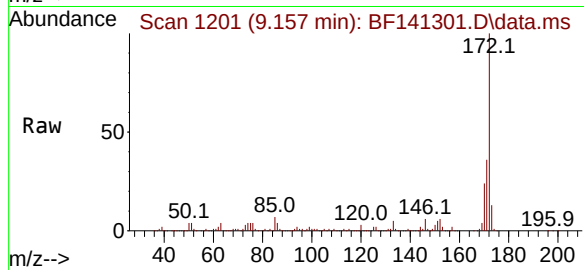
Tgt Ion:172 Resp: 1439957

Ion Ratio Lower Upper

172 100

171 35.8 28.8 43.2

170 23.7 19.0 28.6



#46

1,1'-Biphenyl

Concen: 37.042 ng

RT: 9.257 min Scan# 1218

Delta R.T. -0.006 min

Lab File: BF141301.D

Acq: 30 Jan 2025 08:54

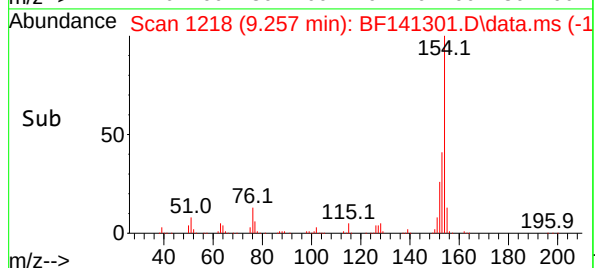
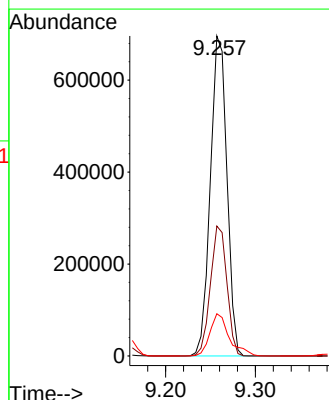
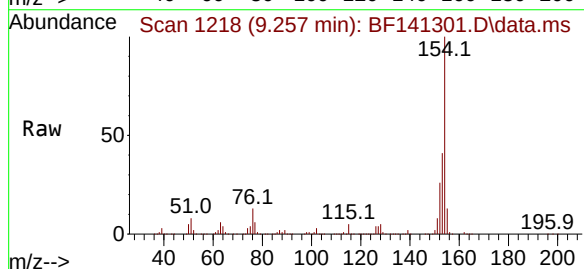
Tgt Ion:154 Resp: 892160

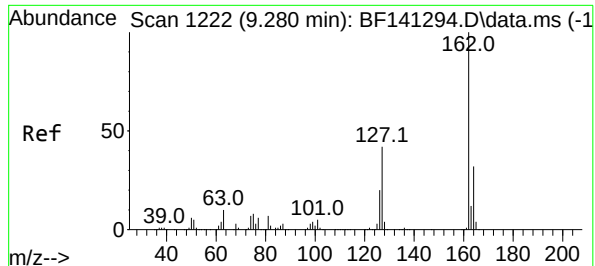
Ion Ratio Lower Upper

154 100

153 40.6 20.0 60.0

76 13.2 0.0 32.8





#47

2-Chloronaphthalene

Concen: 36.699 ng

RT: 9.281 min Scan# 1222

Delta R.T. -0.006 min

Lab File: BF141301.D

Acq: 30 Jan 2025 08:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

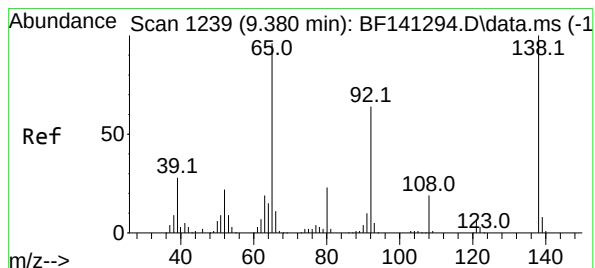
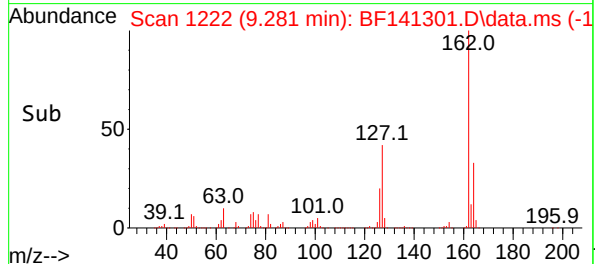
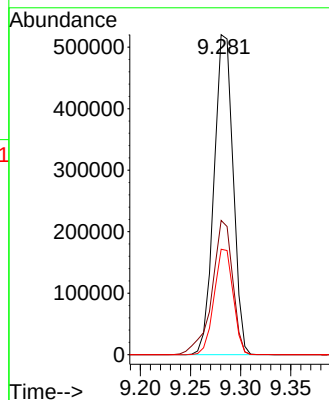
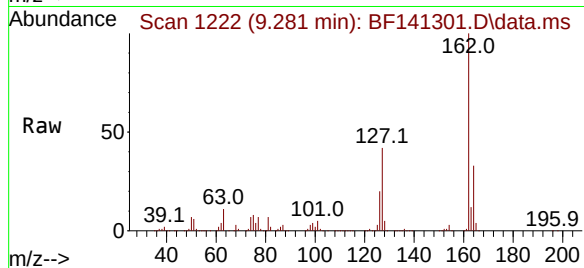
Tgt Ion:162 Resp: 688957

Ion Ratio Lower Upper

162 100

127 42.0 33.7 50.5

164 33.0 25.9 38.9



#48

2-Nitroaniline

Concen: 38.111 ng

RT: 9.381 min Scan# 1239

Delta R.T. -0.000 min

Lab File: BF141301.D

Acq: 30 Jan 2025 08:54

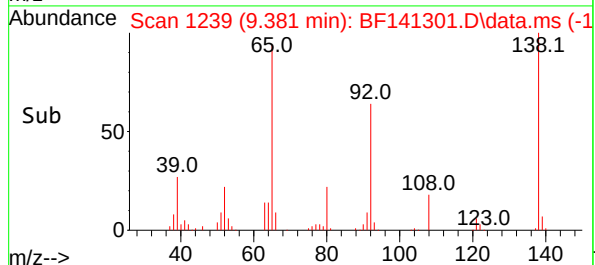
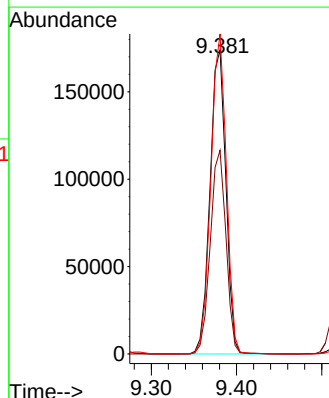
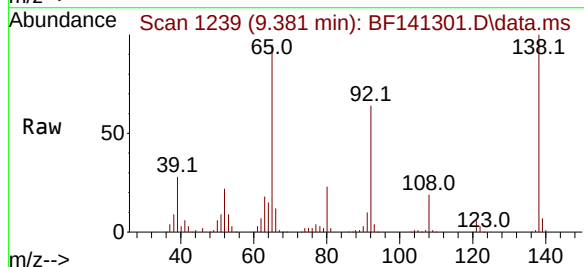
Tgt Ion: 65 Resp: 225042

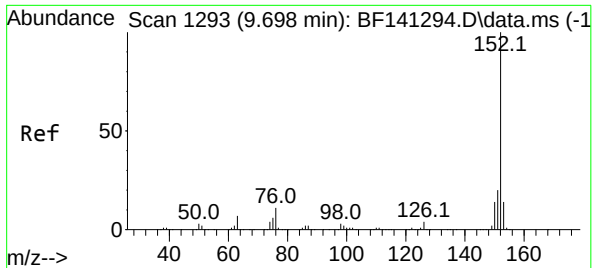
Ion Ratio Lower Upper

65 100

92 67.0 53.3 79.9

138 105.2 83.6 125.4





#49

Acenaphthylene

Concen: 37.463 ng

RT: 9.698 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141301.D

Acq: 30 Jan 2025 08:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

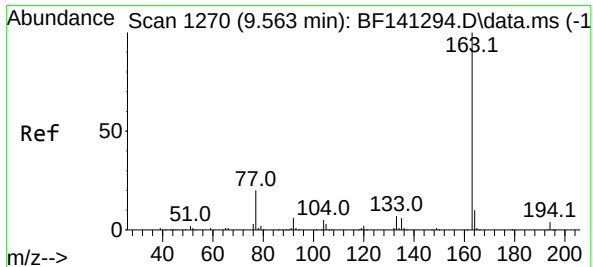
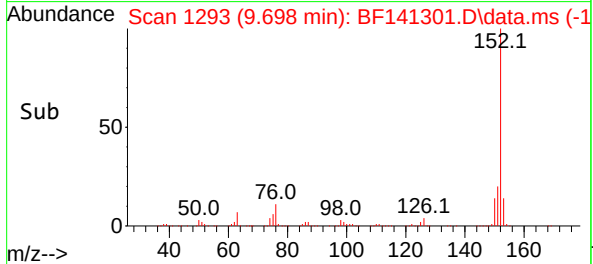
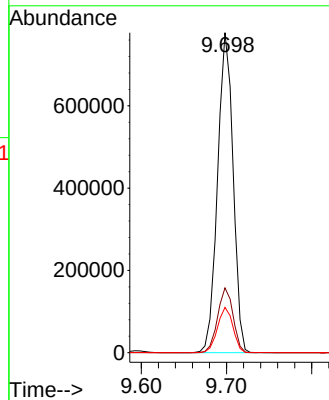
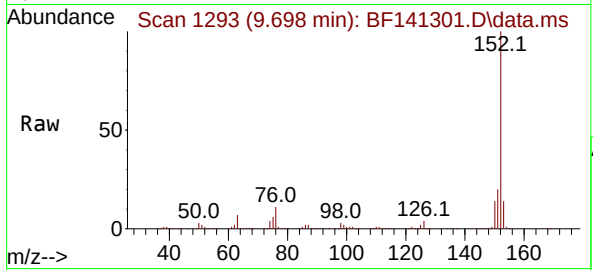
Tgt Ion:152 Resp: 984505

Ion Ratio Lower Upper

152 100

151 20.2 16.2 24.2

153 14.2 11.0 16.6



#50

Dimethylphthalate

Concen: 37.298 ng

RT: 9.563 min Scan# 1270

Delta R.T. -0.006 min

Lab File: BF141301.D

Acq: 30 Jan 2025 08:54

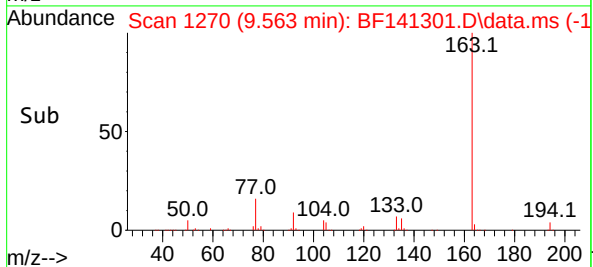
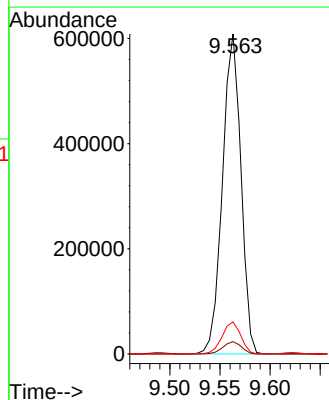
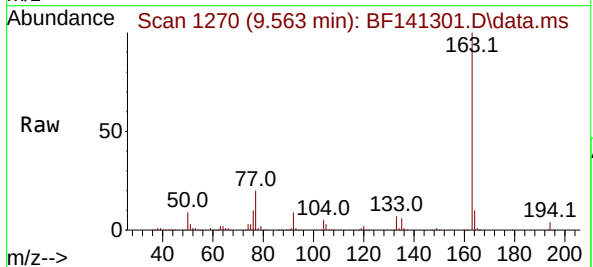
Tgt Ion:163 Resp: 777984

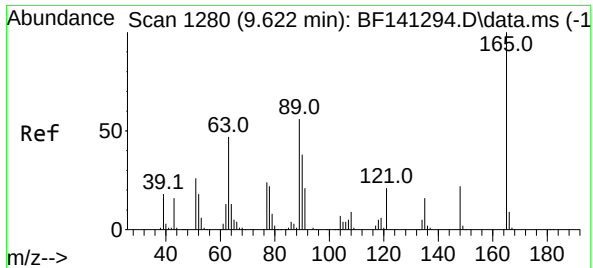
Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.6

164 10.0 8.0 12.0

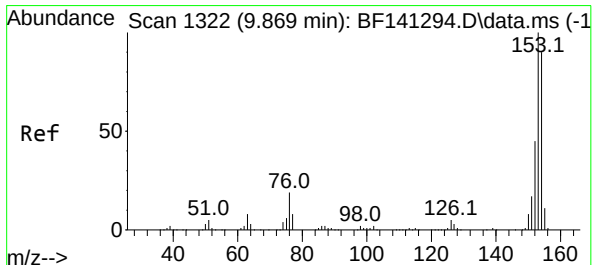
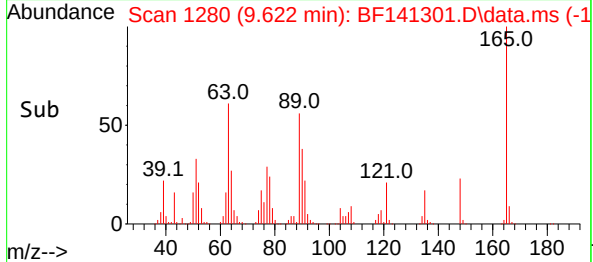
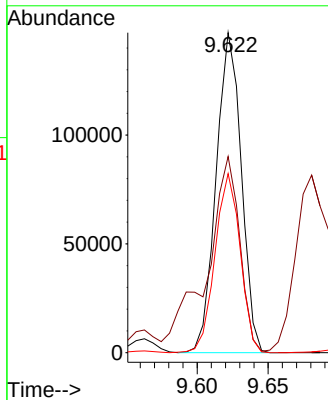
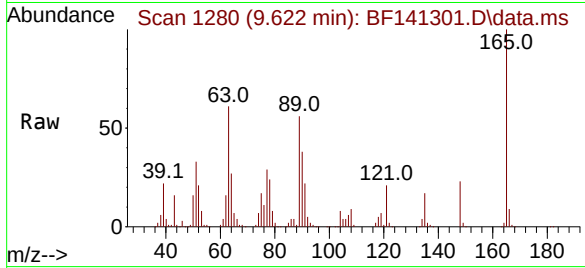




#51
2,6-Dinitrotoluene
Concen: 37.386 ng
RT: 9.622 min Scan# 1280
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

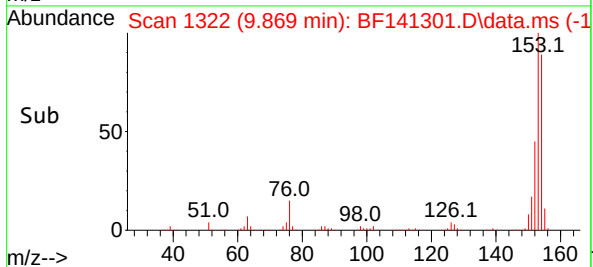
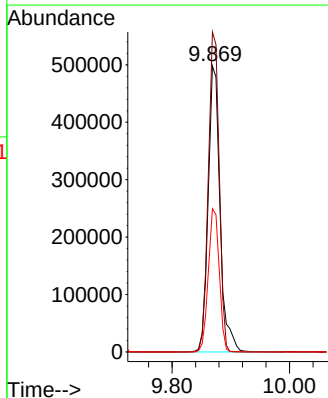
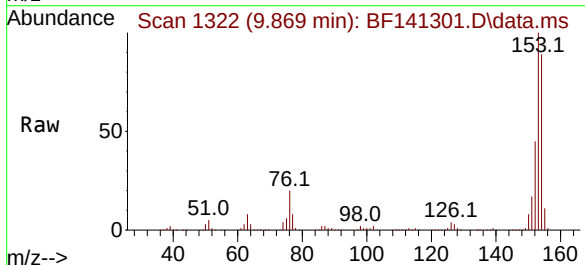
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

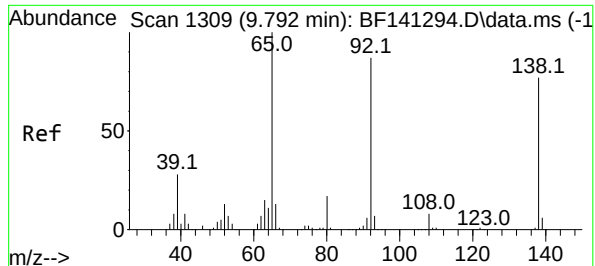
Tgt Ion	Ratio	Lower	Upper
165	100		
63	61.3	48.1	72.1
89	56.0	44.9	67.3



#52
Acenaphthene
Concen: 37.171 ng
RT: 9.869 min Scan# 1322
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion	Ratio	Lower	Upper
154	100		
153	111.9	89.0	133.4
152	50.1	40.2	60.4





#53

3-Nitroaniline

Concen: 38.456 ng

RT: 9.792 min Scan# 1309

Delta R.T. -0.006 min

Lab File: BF141301.D

Acq: 30 Jan 2025 08:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

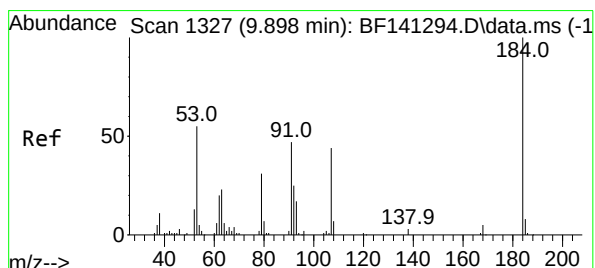
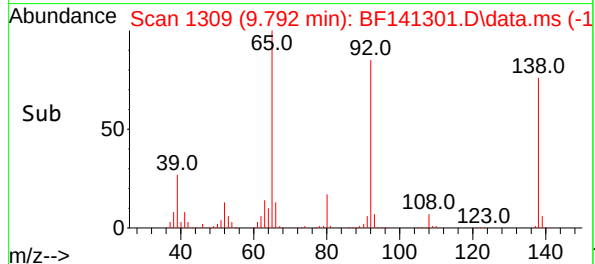
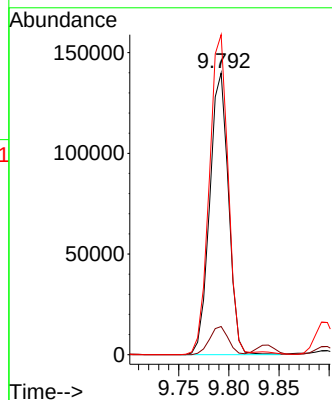
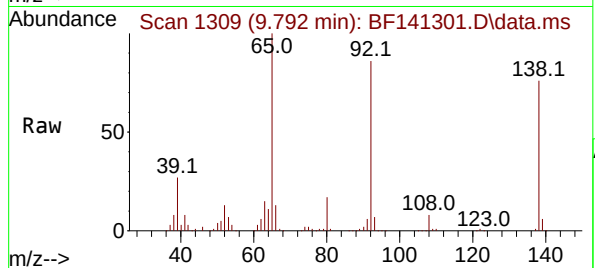
Tgt Ion:138 Resp: 182543

Ion Ratio Lower Upper

138 100

108 10.0 8.6 12.8

92 113.6 91.0 136.6



#54

2,4-Dinitrophenol

Concen: 38.081 ng

RT: 9.898 min Scan# 1327

Delta R.T. -0.006 min

Lab File: BF141301.D

Acq: 30 Jan 2025 08:54

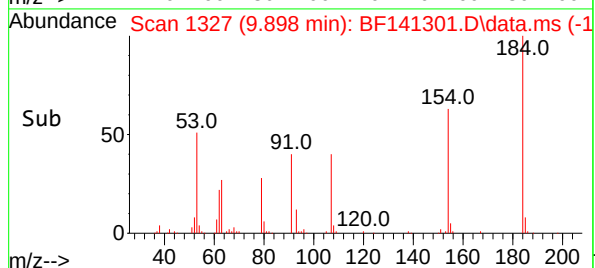
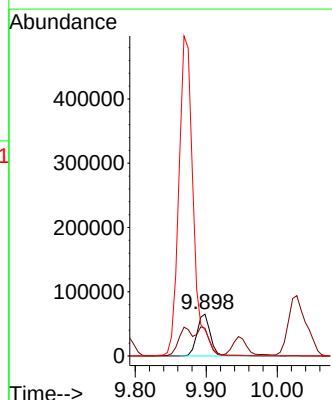
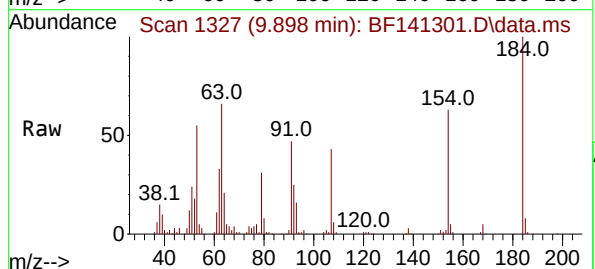
Tgt Ion:184 Resp: 85734

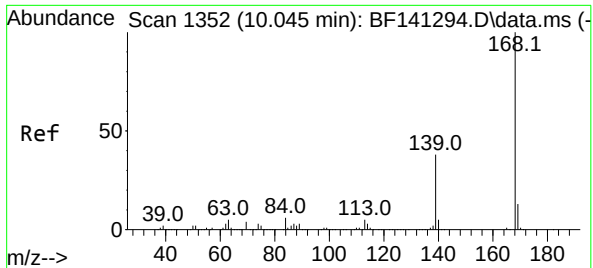
Ion Ratio Lower Upper

184 100

63 66.0 54.1 81.1

154 63.0 50.7 76.1





#55

Dibenzenofuran

Concen: 36.923 ng

RT: 10.045 min Scan# 1352

Delta R.T. -0.000 min

Lab File: BF141301.D

Acq: 30 Jan 2025 08:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

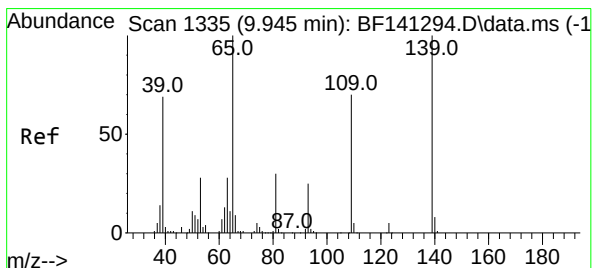
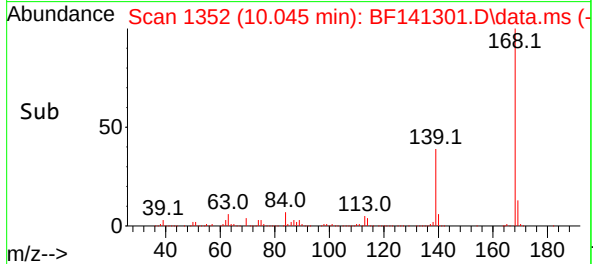
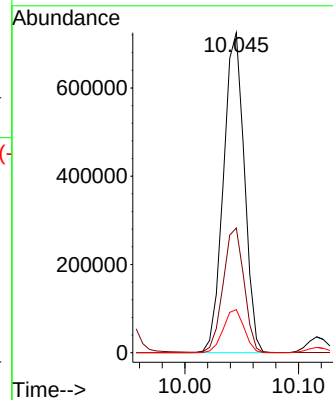
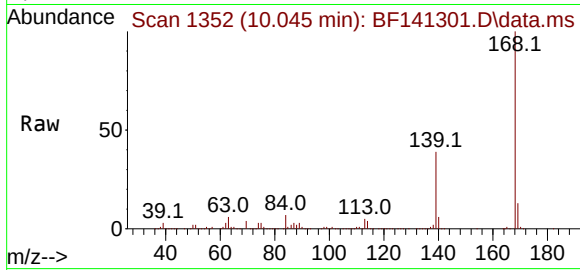
Tgt Ion:168 Resp: 927873

Ion Ratio Lower Upper

168 100

139 39.0 30.6 46.0

169 13.4 10.8 16.2



#56

4-Nitrophenol

Concen: 39.302 ng

RT: 9.945 min Scan# 1335

Delta R.T. -0.012 min

Lab File: BF141301.D

Acq: 30 Jan 2025 08:54

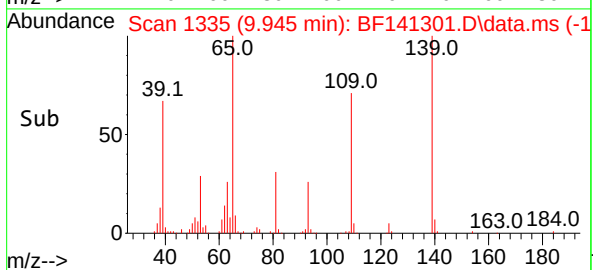
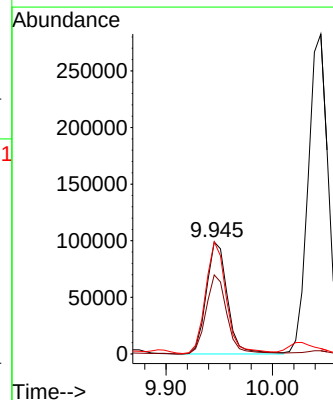
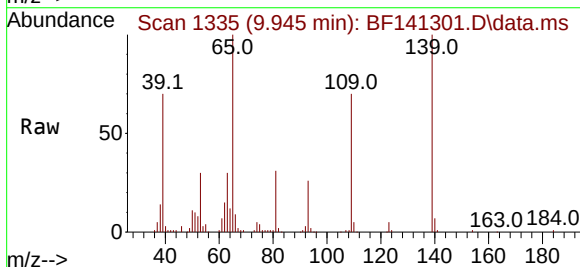
Tgt Ion:139 Resp: 136436

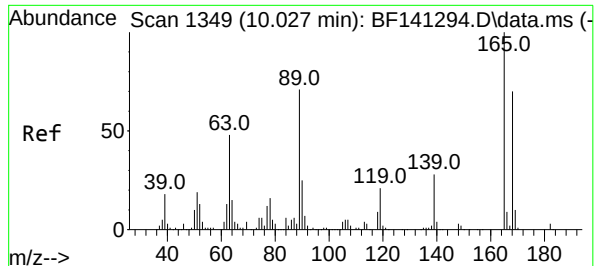
Ion Ratio Lower Upper

139 100

109 70.6 50.2 90.2

65 100.1 80.6 120.6

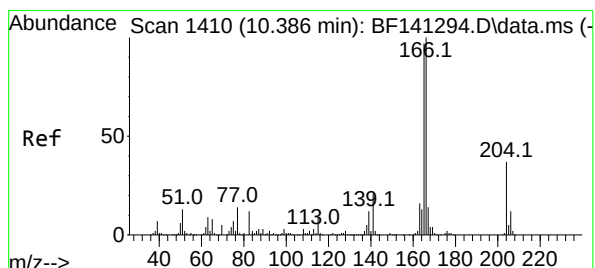
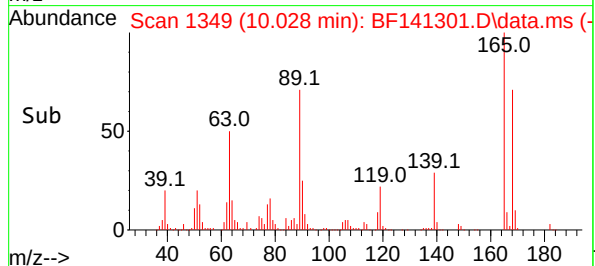
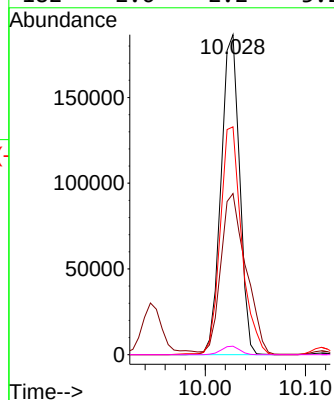
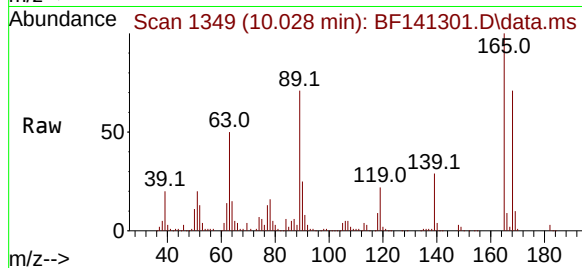




#57
2,4-Dinitrotoluene
Concen: 38.142 ng
RT: 10.028 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

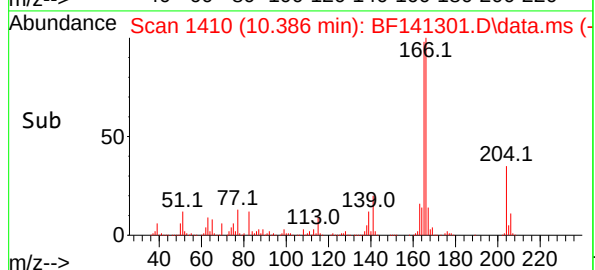
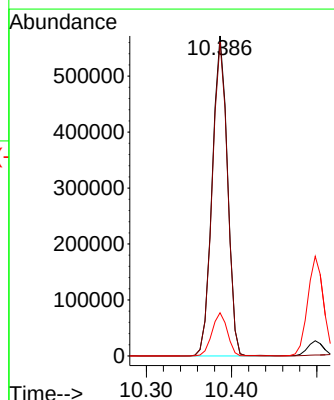
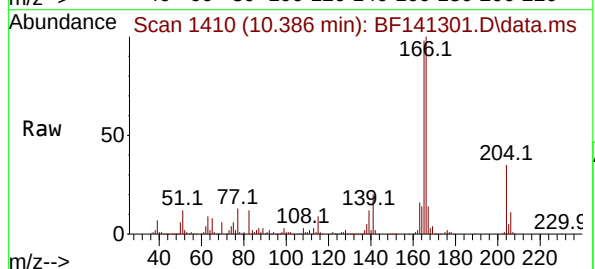
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

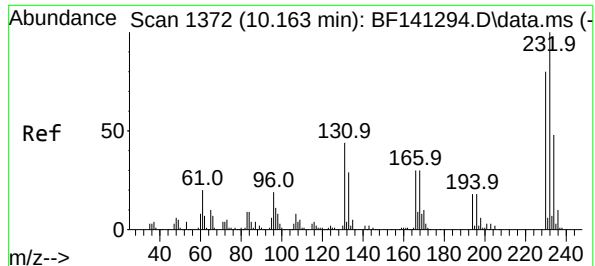
Tgt Ion:165 Resp: 239168
Ion Ratio Lower Upper
165 100
63 50.4 39.2 58.8
89 71.2 56.9 85.3
182 2.6 2.2 3.2



#58
Fluorene
Concen: 36.459 ng
RT: 10.386 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:166 Resp: 710687
Ion Ratio Lower Upper
166 100
165 98.1 77.5 116.3
167 13.5 10.9 16.3

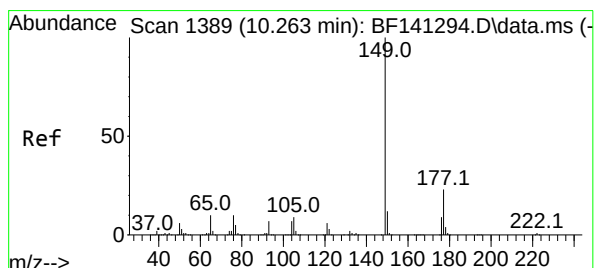
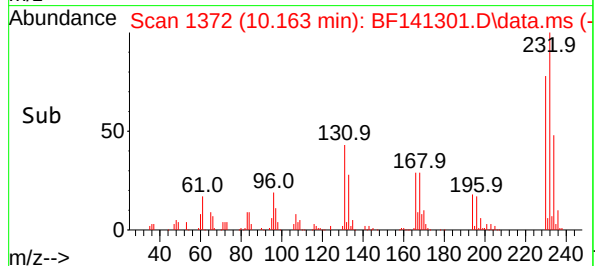
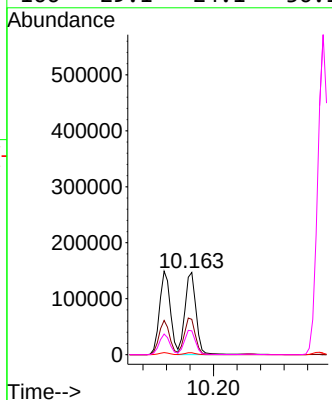
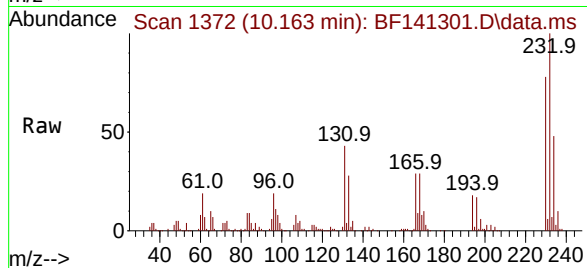




#59
2,3,4,6-Tetrachlorophenol
Concen: 39.118 ng
RT: 10.163 min Scan# 1372
Delta R.T. -0.000 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

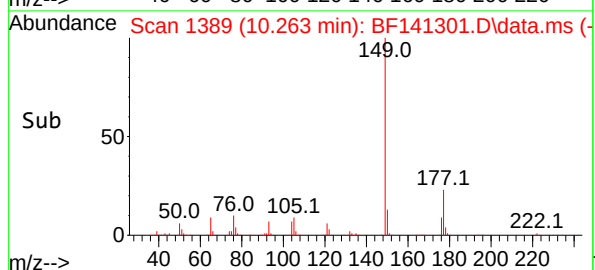
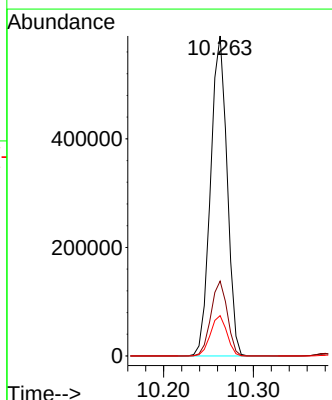
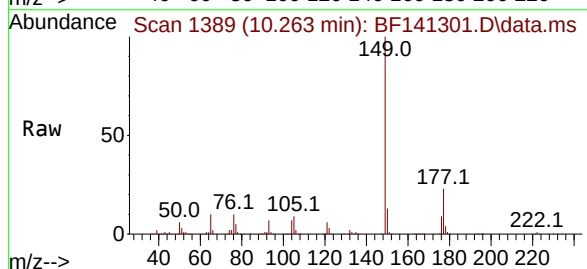
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

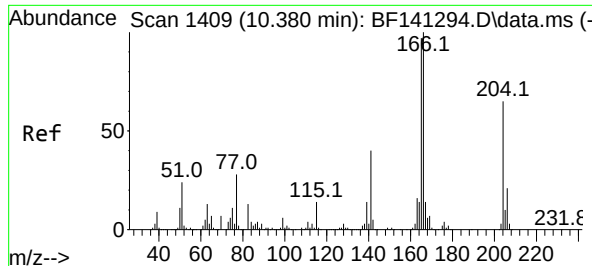
Tgt Ion:232 Resp: 192623
Ion Ratio Lower Upper
232 100
131 44.4 36.4 54.6
130 2.3 1.9 2.9
166 29.1 24.1 36.1



#60
Diethylphthalate
Concen: 37.157 ng
RT: 10.263 min Scan# 1389
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:149 Resp: 751491
Ion Ratio Lower Upper
149 100
177 23.4 18.5 27.7
150 12.6 10.0 15.0

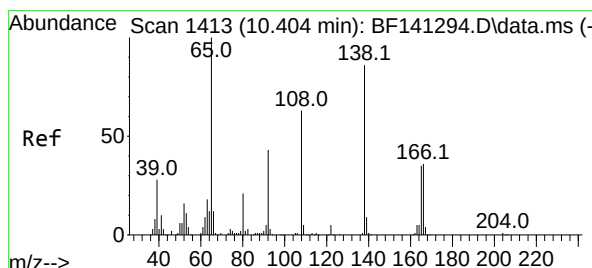
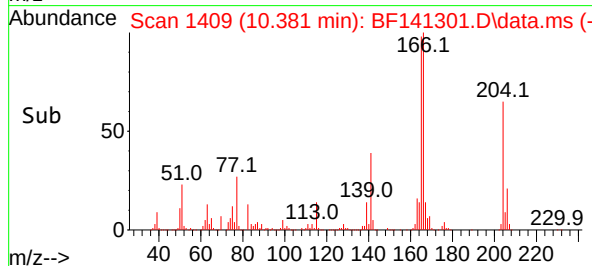
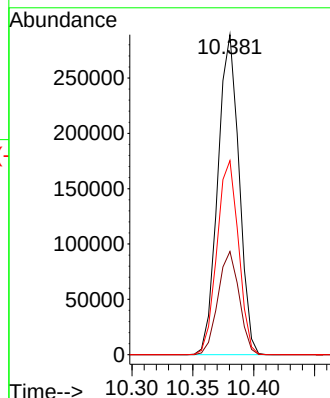
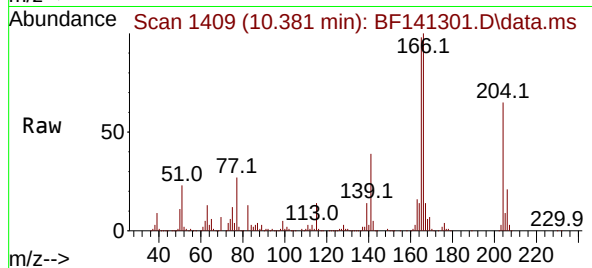




#61
4-Chlorophenyl-phenylether
Concen: 36.875 ng
RT: 10.381 min Scan# 1409
Delta R.T. -0.000 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

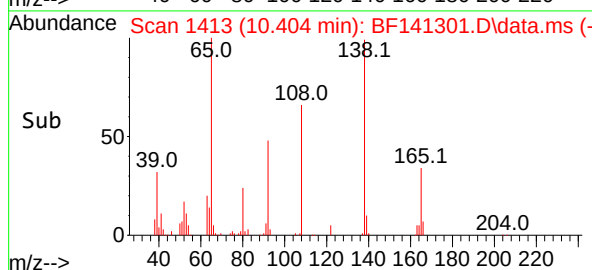
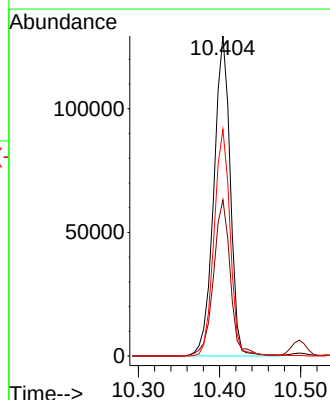
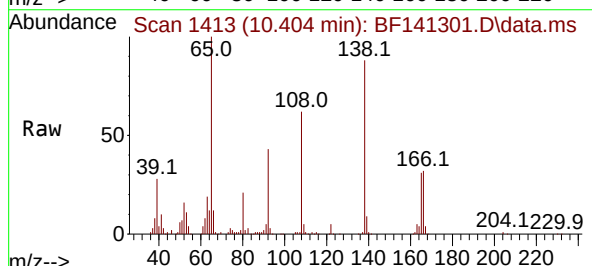
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

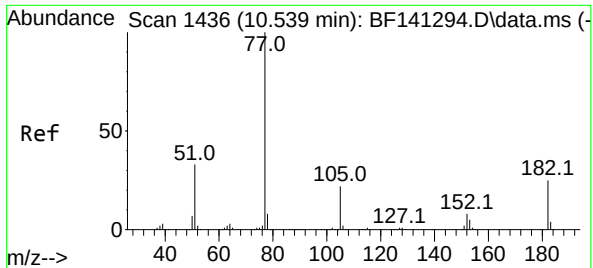
Tgt Ion:204 Resp: 351110
Ion Ratio Lower Upper
204 100
206 32.2 25.9 38.9
141 60.7 49.5 74.3



#62
4-Nitroaniline
Concen: 38.976 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:138 Resp: 181893
Ion Ratio Lower Upper
138 100
92 48.8 30.1 70.1
108 70.8 53.1 93.1

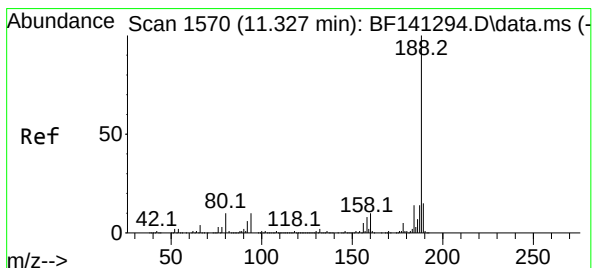
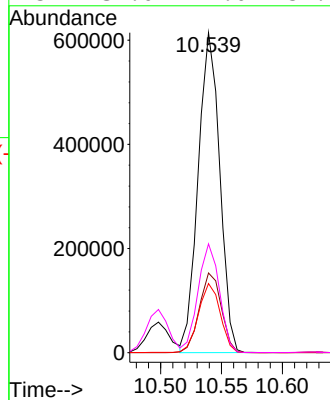
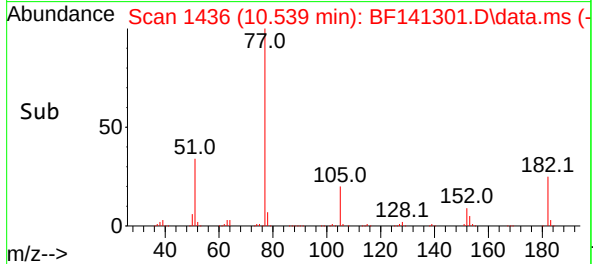
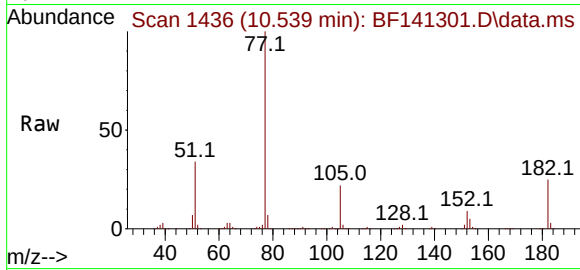




#63
Azobenzene
Concen: 37.363 ng
RT: 10.539 min Scan# 1436
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

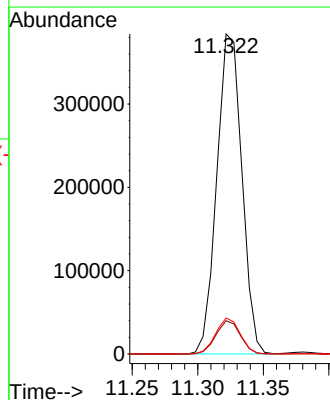
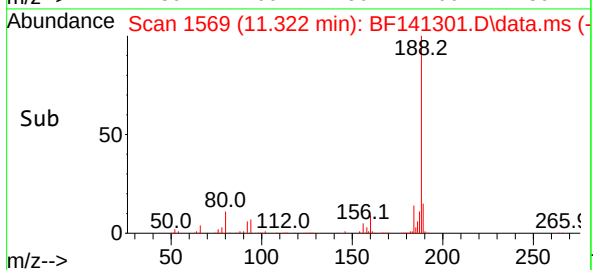
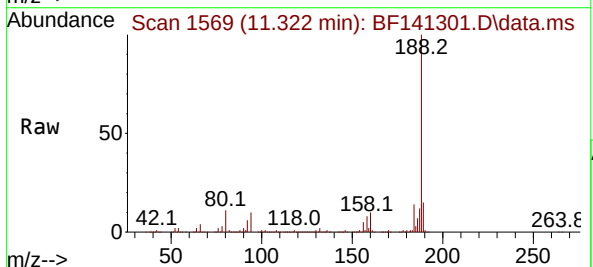
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

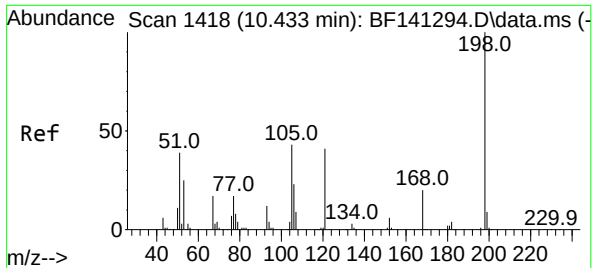
Tgt Ion	Ratio	Lower	Upper
77	100		
182	24.9	5.1	45.1
105	21.6	1.8	41.8
51	34.0	14.0	54.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.4	7.8	11.6
80	11.2	8.2	12.4

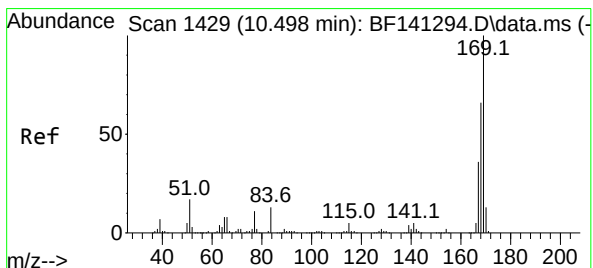
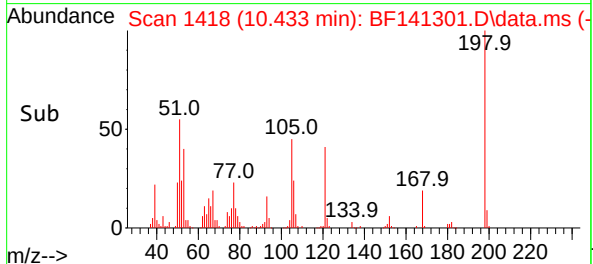
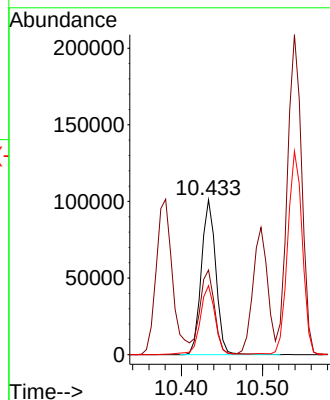
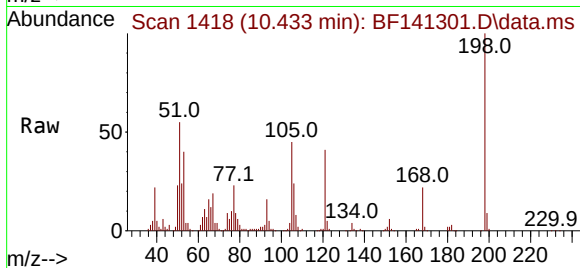




#65
4,6-Dinitro-2-methylphenol
Concen: 41.499 ng
RT: 10.433 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

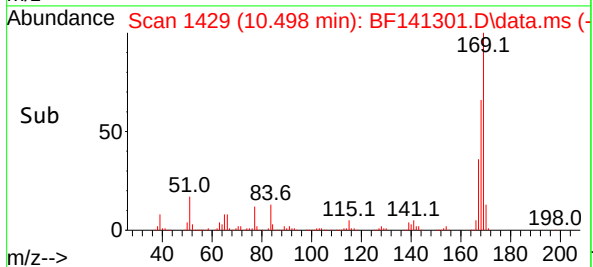
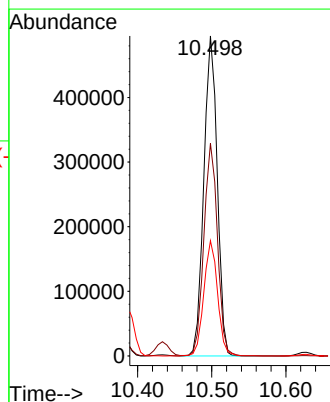
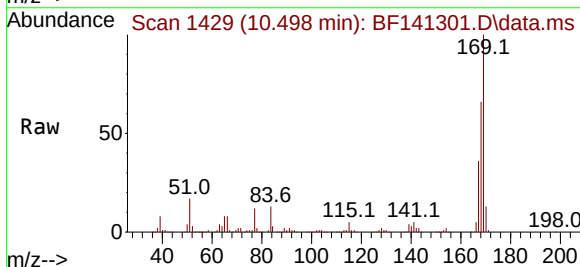
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

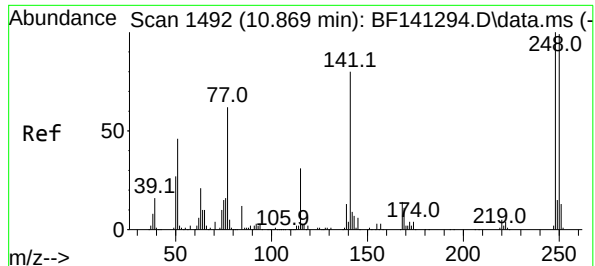
Tgt Ion:198 Resp: 125435
Ion Ratio Lower Upper
198 100
51 54.7 33.4 73.4
105 44.6 24.4 64.4



#66
n-Nitrosodiphenylamine
Concen: 37.717 ng
RT: 10.498 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:169 Resp: 623386
Ion Ratio Lower Upper
169 100
168 66.5 53.0 79.4
167 36.0 28.8 43.2

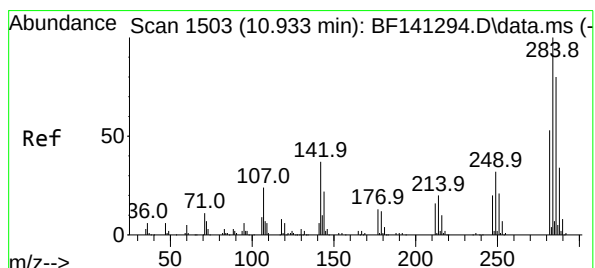
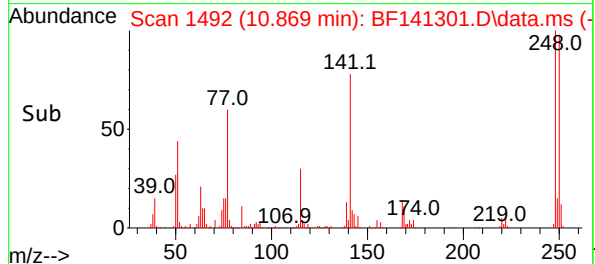
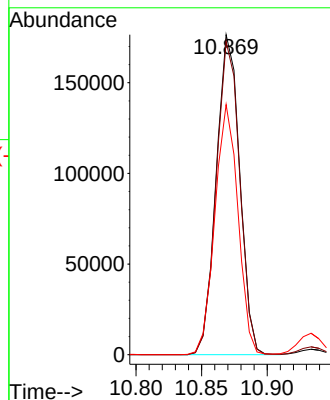
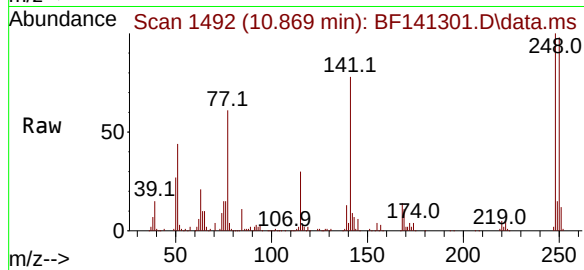




#67
4-Bromophenyl-phenylether
Concen: 38.519 ng
RT: 10.869 min Scan# 1492
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

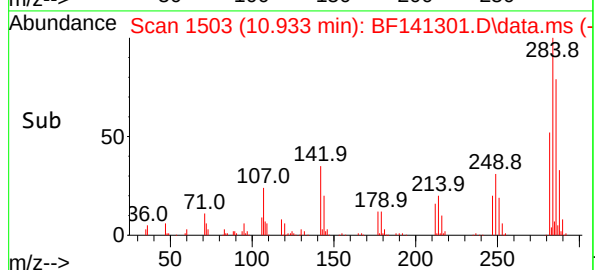
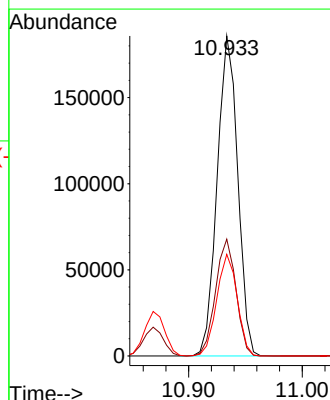
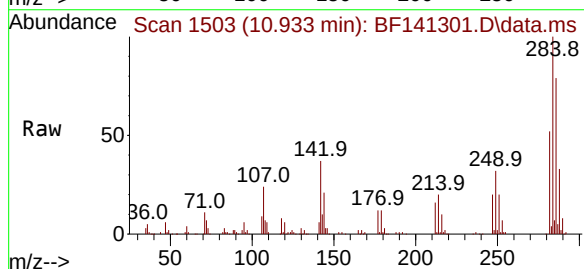
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

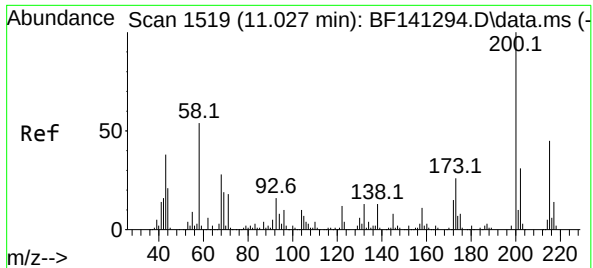
Tgt Ion:248 Resp: 220361
Ion Ratio Lower Upper
248 100
250 97.9 79.0 118.4
141 78.2 63.7 95.5



#68
Hexachlorobenzene
Concen: 38.606 ng
RT: 10.933 min Scan# 1503
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:284 Resp: 234276
Ion Ratio Lower Upper
284 100
142 36.5 29.5 44.3
249 31.7 25.4 38.2





#69

Atrazine

Concen: 35.925 ng

RT: 11.028 min Scan# 1519

Delta R.T. -0.006 min

Lab File: BF141301.D

Acq: 30 Jan 2025 08:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

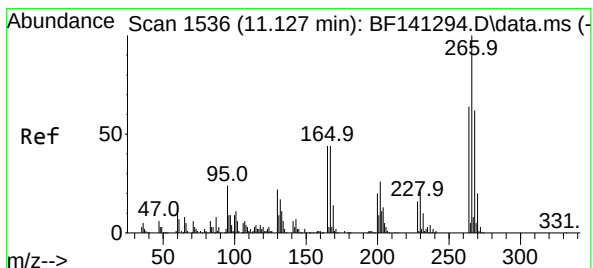
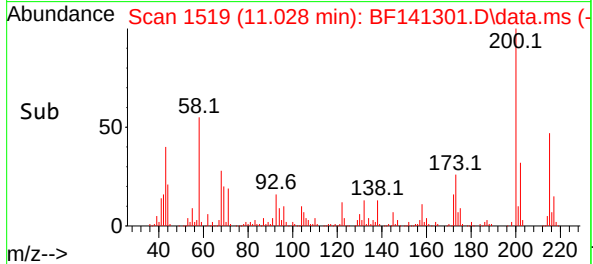
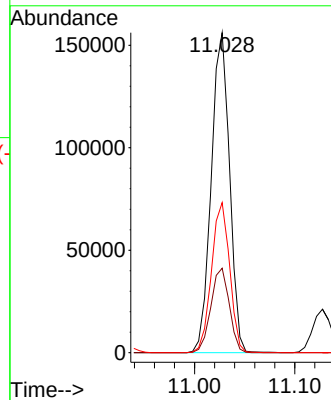
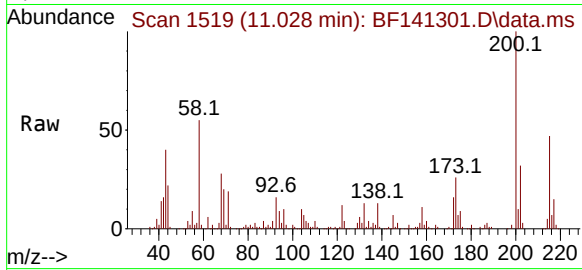
Tgt Ion:200 Resp: 198524

Ion Ratio Lower Upper

200 100

173 26.4 5.9 45.9

215 46.9 25.2 65.2



#70

Pentachlorophenol

Concen: 40.848 ng

RT: 11.128 min Scan# 1536

Delta R.T. -0.006 min

Lab File: BF141301.D

Acq: 30 Jan 2025 08:54

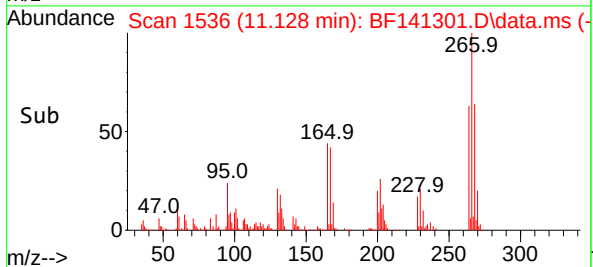
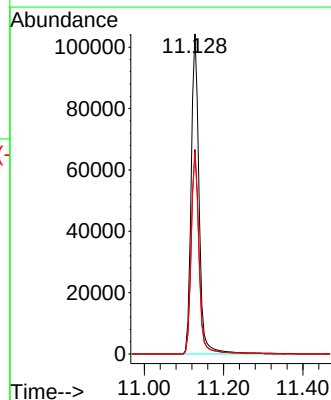
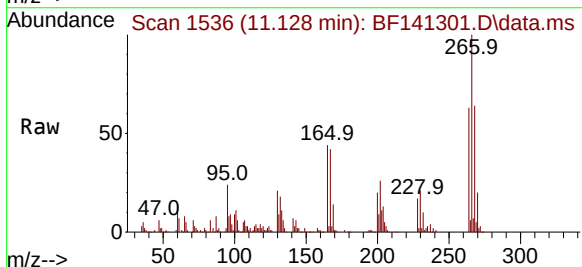
Tgt Ion:266 Resp: 145156

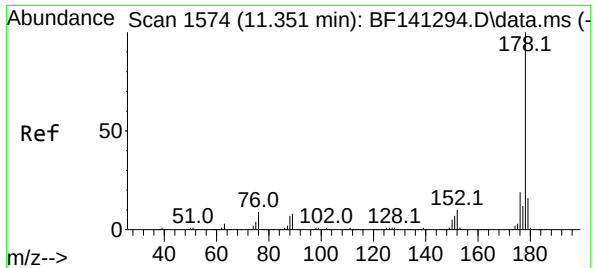
Ion Ratio Lower Upper

266 100

268 63.9 49.9 74.9

264 63.0 51.0 76.4

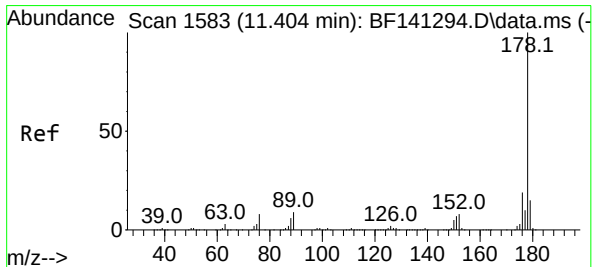
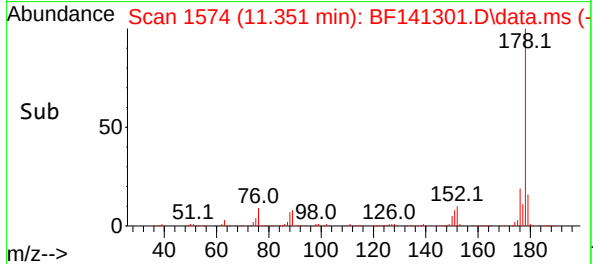
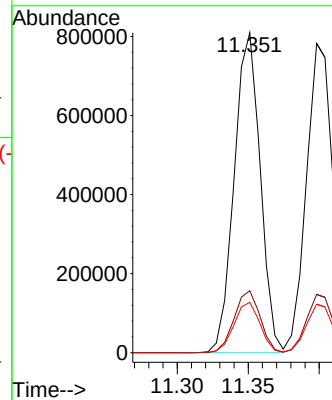
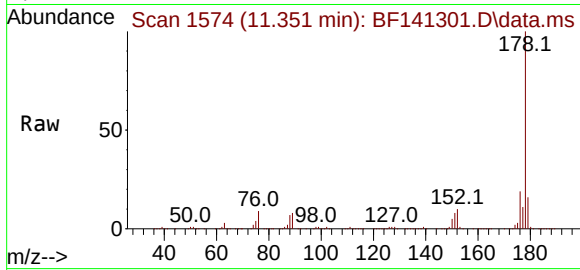




#71
Phenanthrene
Concen: 37.489 ng
RT: 11.351 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

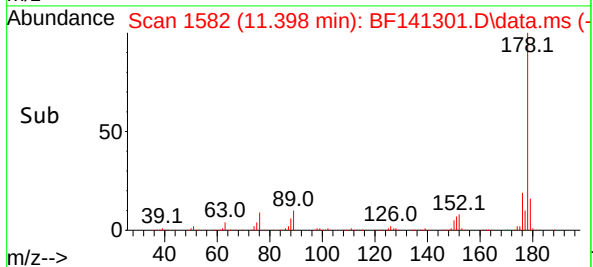
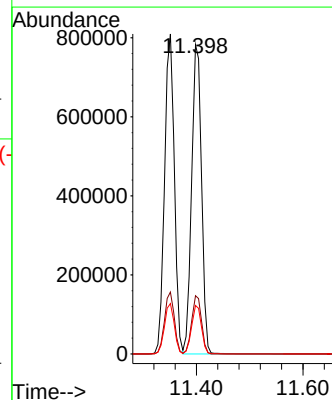
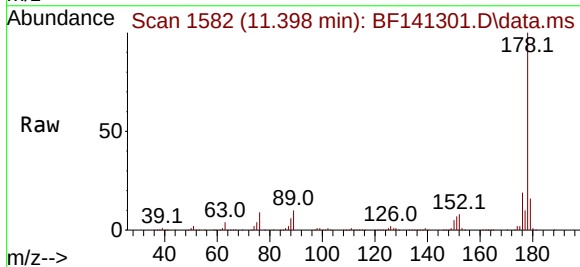
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

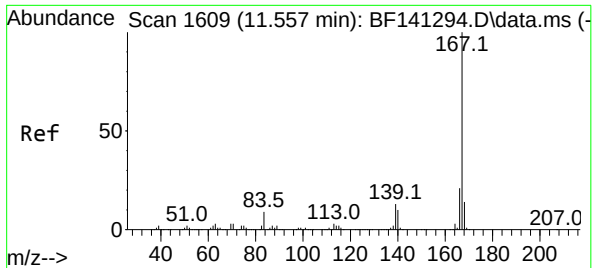
Tgt Ion:178 Resp: 1029763
Ion Ratio Lower Upper
178 100
176 19.3 15.3 22.9
179 15.8 12.5 18.7



#72
Anthracene
Concen: 37.517 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:178 Resp: 1009748
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.6
179 15.7 12.3 18.5

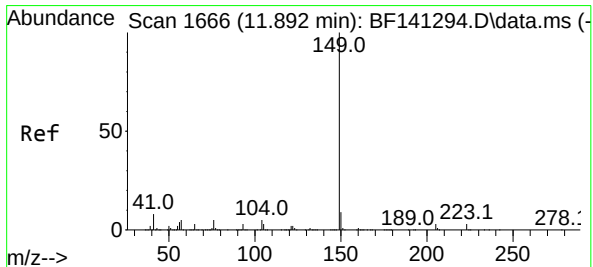
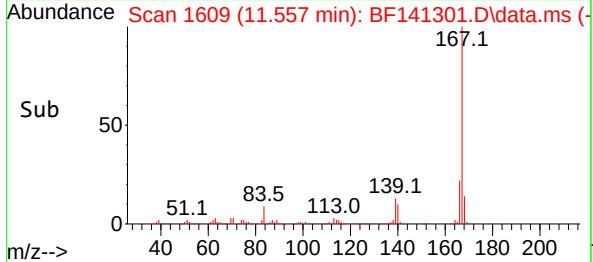
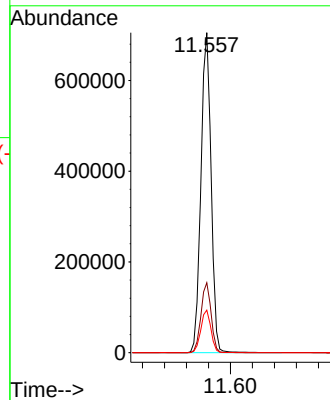
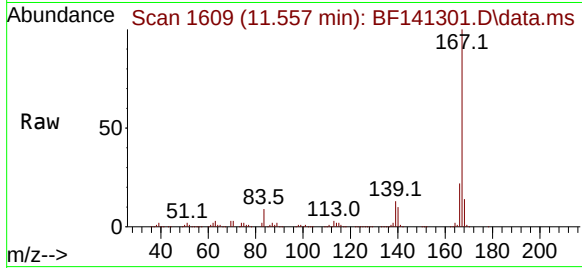




#73
Carbazole
Concen: 38.060 ng
RT: 11.557 min Scan# 1609
Delta R.T. -0.000 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

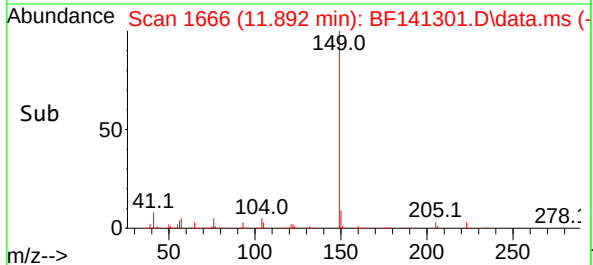
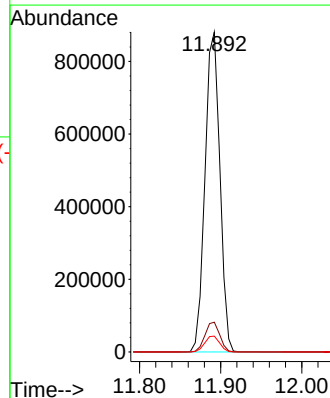
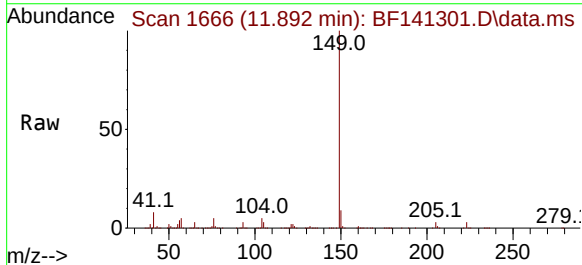
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

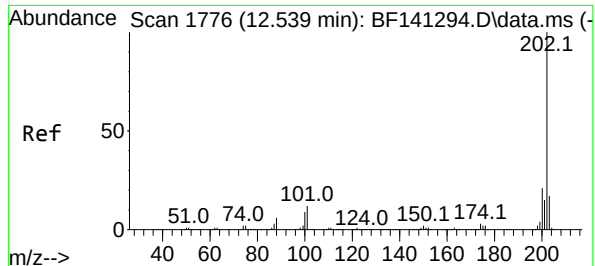
Tgt Ion:167 Resp: 908313
Ion Ratio Lower Upper
167 100
166 21.8 17.0 25.6
139 13.3 10.6 16.0



#74
Di-n-butylphthalate
Concen: 38.646 ng
RT: 11.892 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:149 Resp: 1117730
Ion Ratio Lower Upper
149 100
150 9.3 7.4 11.2
104 4.9 3.9 5.9

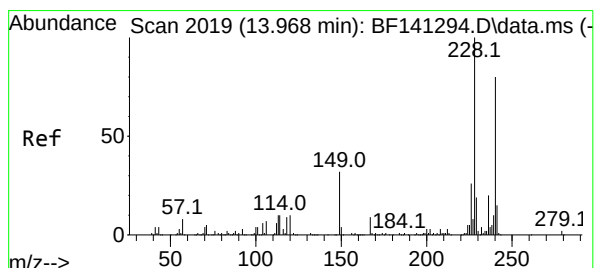
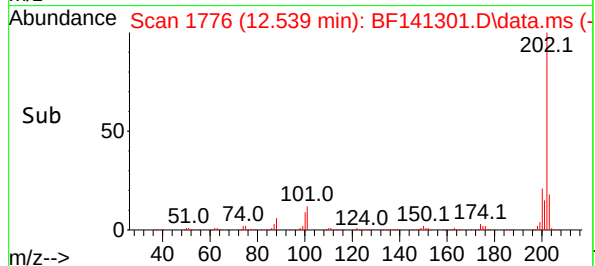
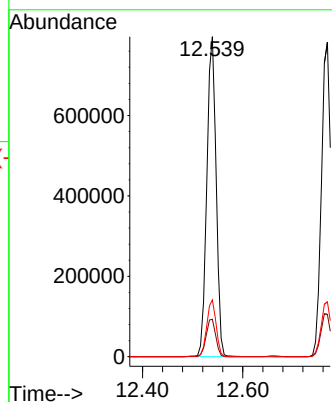
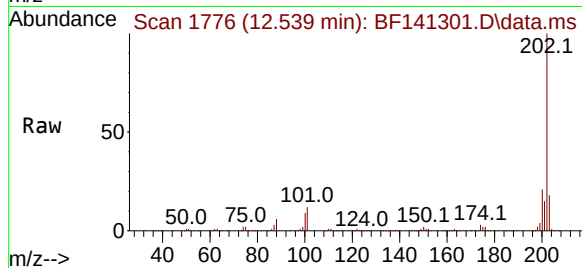




#75
Fluoranthene
Concen: 37.857 ng
RT: 12.539 min Scan# 1776
Delta R.T. -0.000 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

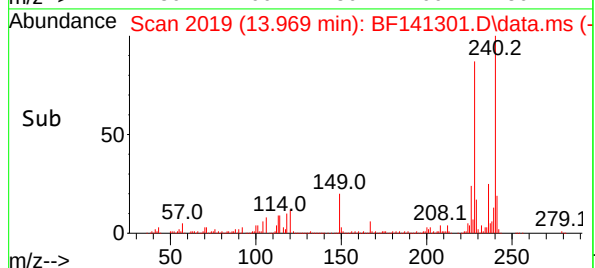
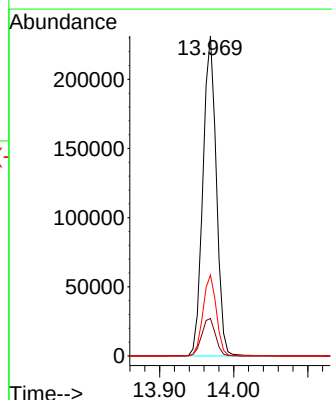
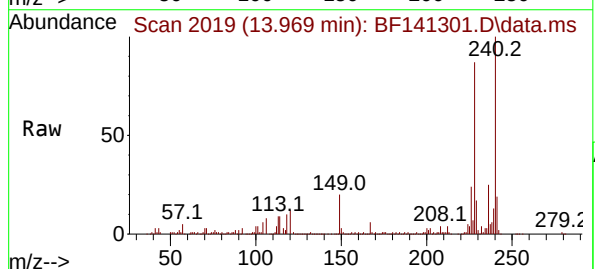
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

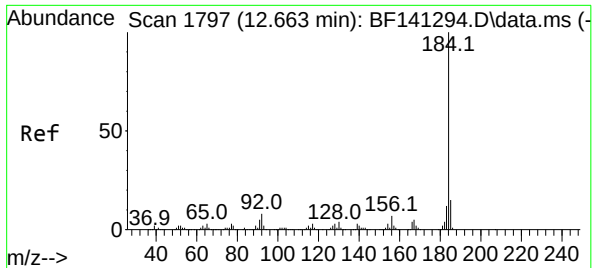
Tgt Ion:202 Resp: 1026756
Ion Ratio Lower Upper
202 100
101 11.7 0.0 31.7
203 17.7 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.969 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:240 Resp: 290304
Ion Ratio Lower Upper
240 100
120 11.7 10.0 15.0
236 25.3 19.7 29.5

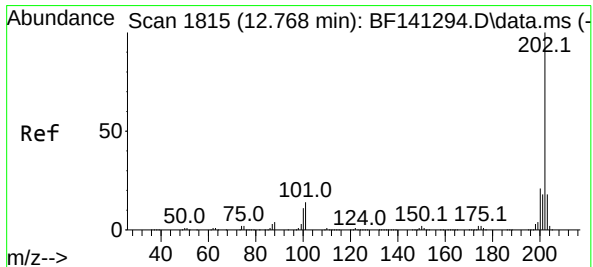
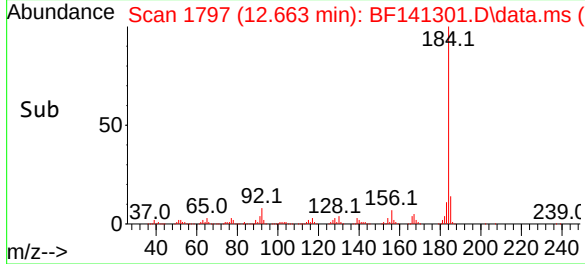
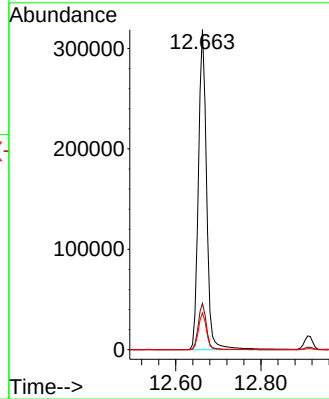
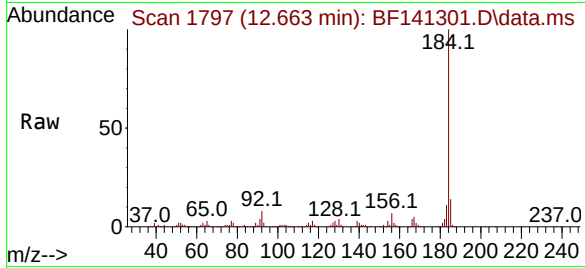




#77
Benzidine
Concen: 45.623 ng
RT: 12.663 min Scan# 1797
Delta R.T. -0.000 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

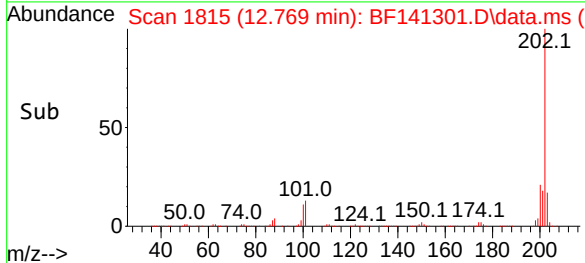
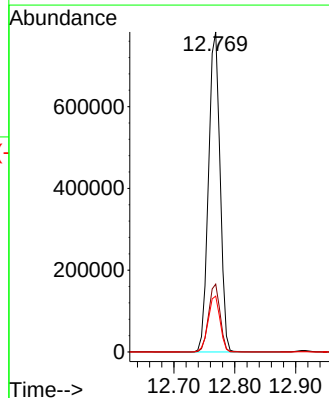
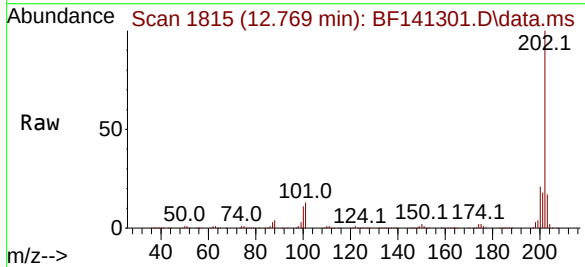
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

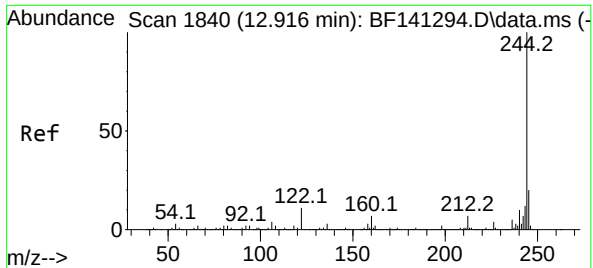
Tgt Ion:184 Resp: 424599
Ion Ratio Lower Upper
184 100
185 14.5 11.9 17.9
183 11.5 9.5 14.3



#78
Pyrene
Concen: 37.019 ng
RT: 12.769 min Scan# 1815
Delta R.T. -0.000 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:202 Resp: 1031587
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.4
203 17.4 14.3 21.5

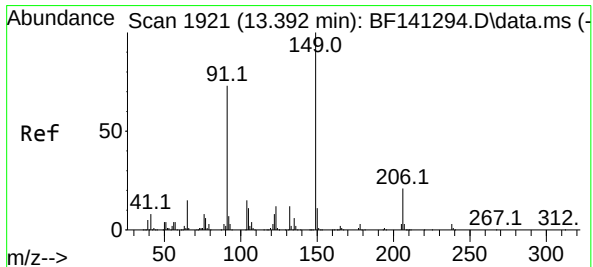
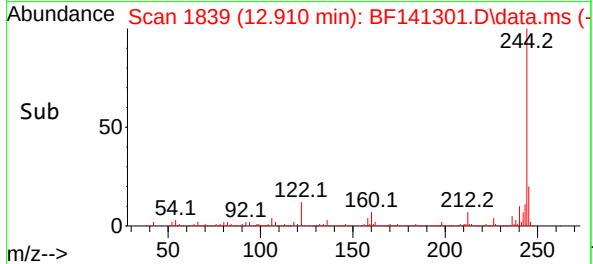
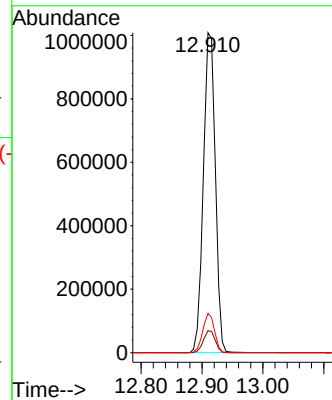
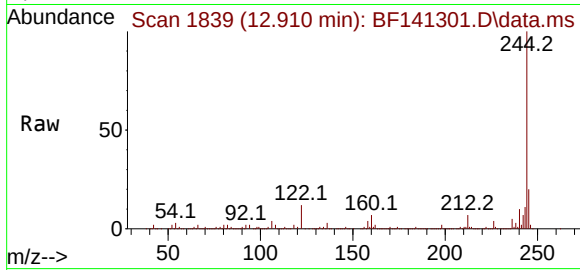




#79
 Terphenyl-d14
 Concen: 73.075 ng
 RT: 12.910 min Scan# 1839
 Delta R.T. -0.006 min
 Lab File: BF141301.D
 Acq: 30 Jan 2025 08:54

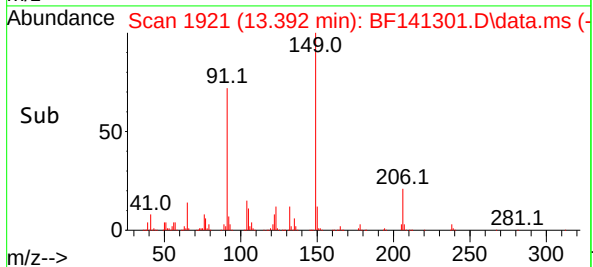
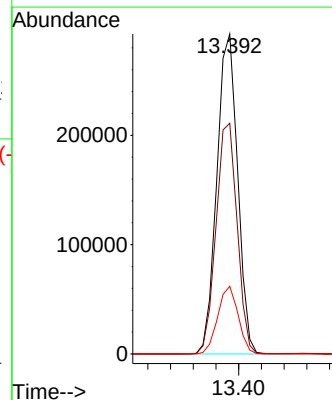
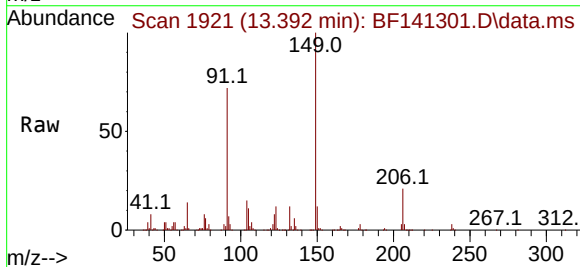
Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

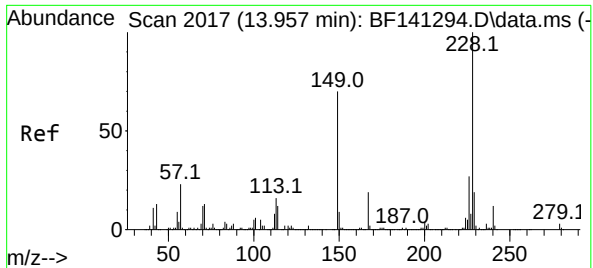
Tgt Ion:244 Resp: 1375587
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 12.3 8.8 13.2



#80
 Butylbenzylphthalate
 Concen: 38.238 ng
 RT: 13.392 min Scan# 1921
 Delta R.T. -0.000 min
 Lab File: BF141301.D
 Acq: 30 Jan 2025 08:54

Tgt Ion:149 Resp: 372260
 Ion Ratio Lower Upper
 149 100
 91 72.1 58.6 87.8
 206 21.1 16.7 25.1

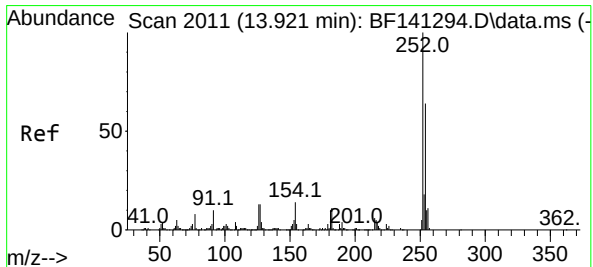
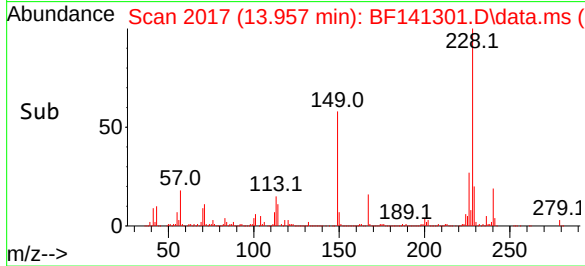
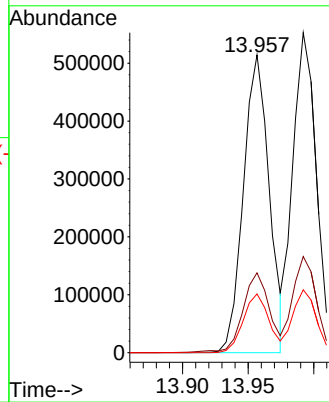
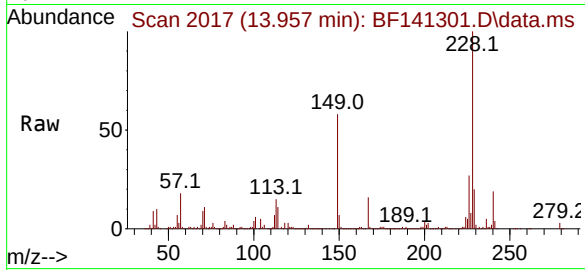




#81
Benzo(a)anthracene
Concen: 35.173 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

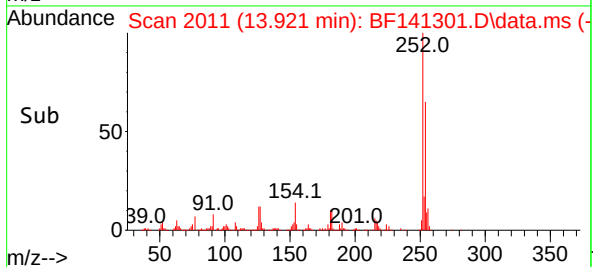
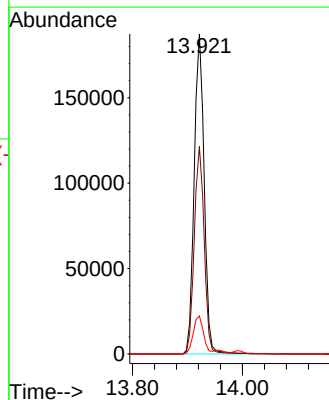
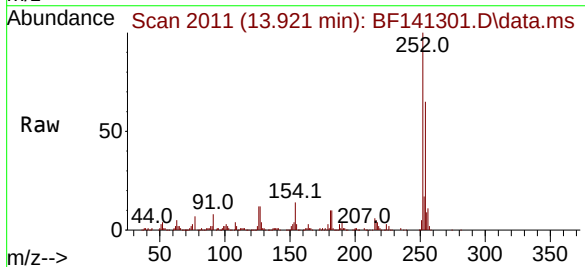
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

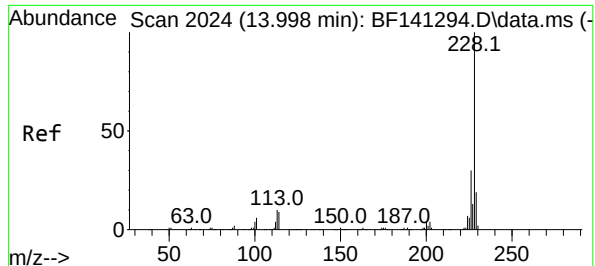
Tgt Ion:228 Resp: 704605
Ion Ratio Lower Upper
228 100
226 26.8 21.4 32.2
229 19.7 15.5 23.3



#82
3,3'-Dichlorobenzidine
Concen: 37.051 ng
RT: 13.921 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:252 Resp: 236068
Ion Ratio Lower Upper
252 100
254 64.9 51.3 76.9
126 11.9 10.0 15.0





#83

Chrysene

Concen: 37.578 ng

RT: 13.992 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF141301.D

Acq: 30 Jan 2025 08:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

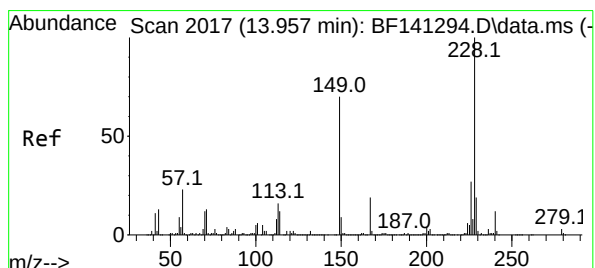
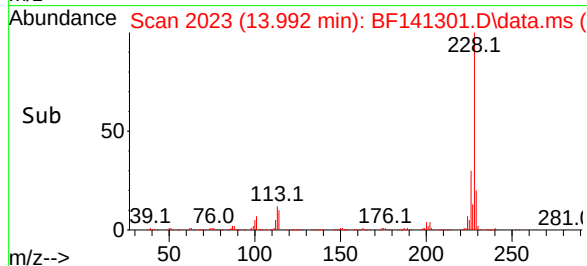
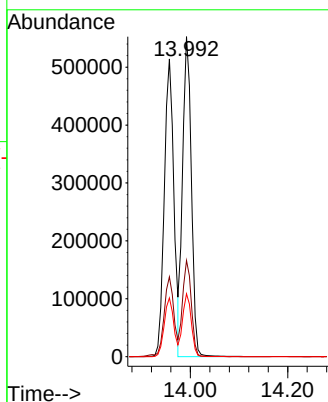
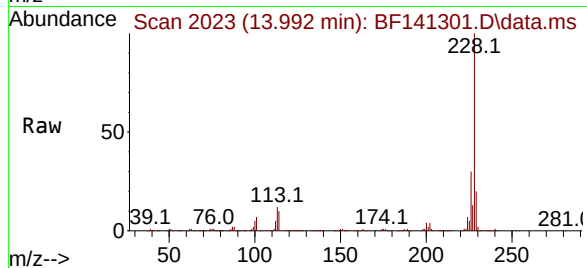
Tgt Ion:228 Resp: 689916

Ion Ratio Lower Upper

228 100

226 30.1 24.1 36.1

229 19.7 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 37.511 ng

RT: 13.951 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF141301.D

Acq: 30 Jan 2025 08:54

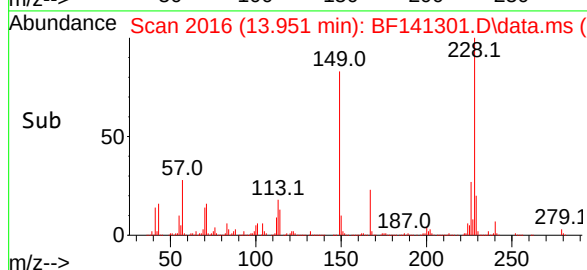
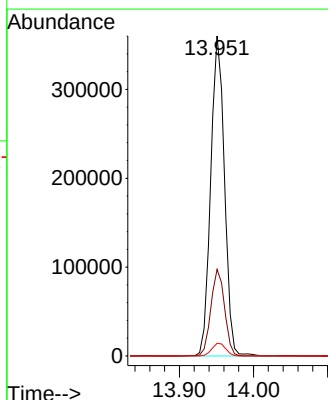
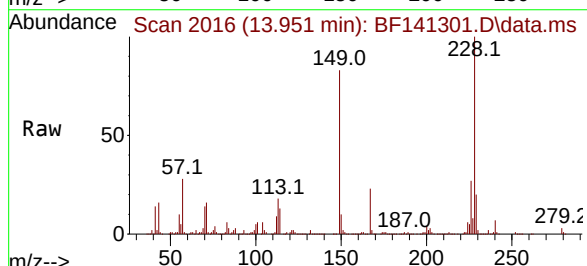
Tgt Ion:149 Resp: 463244

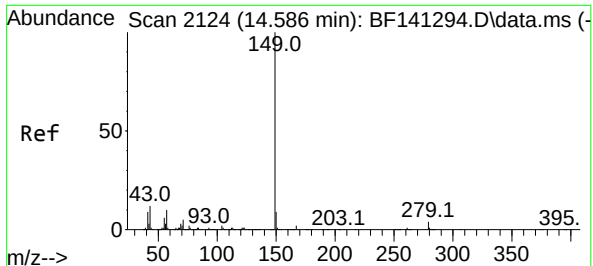
Ion Ratio Lower Upper

149 100

167 27.1 21.8 32.8

279 3.9 3.3 4.9





#85

Di-n-octyl phthalate

Concen: 36.853 ng

RT: 14.568 min Scan# 2121

Delta R.T. -0.018 min

Lab File: BF141301.D

Acq: 30 Jan 2025 08:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

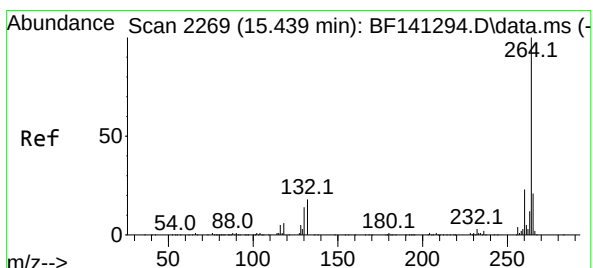
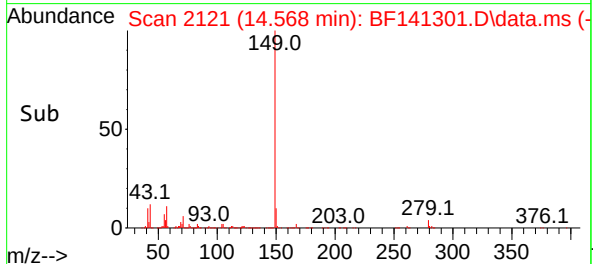
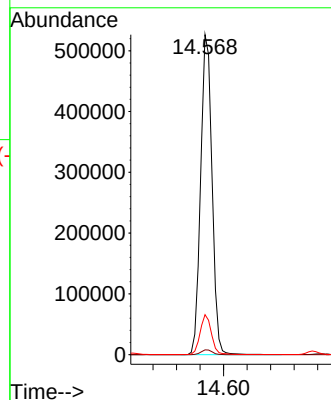
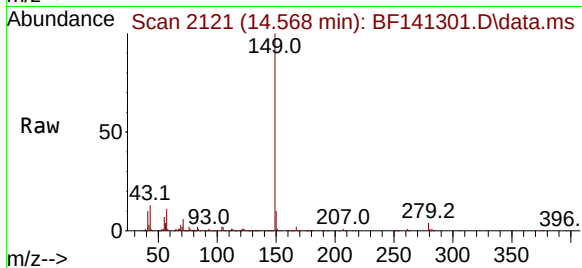
Tgt Ion:149 Resp: 706897

Ion Ratio Lower Upper

149 100

167 1.5 1.3 1.9

43 12.4 9.8 14.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 2266

Delta R.T. -0.018 min

Lab File: BF141301.D

Acq: 30 Jan 2025 08:54

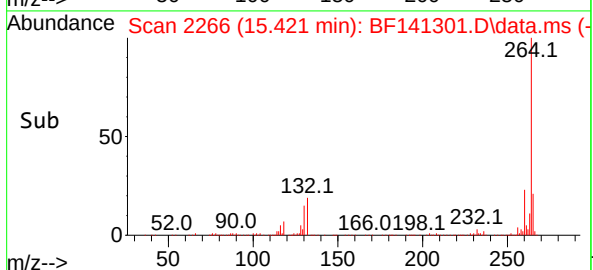
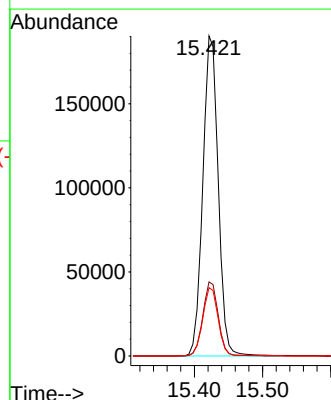
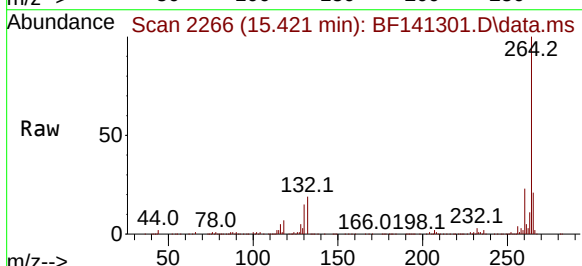
Tgt Ion:264 Resp: 298783

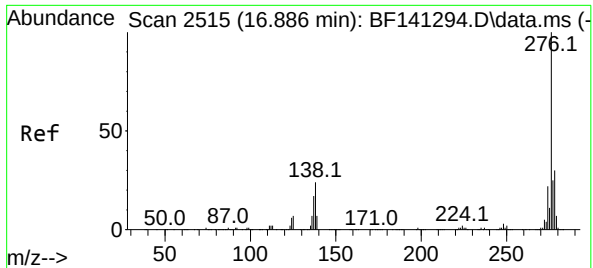
Ion Ratio Lower Upper

264 100

260 23.1 18.6 27.8

265 21.4 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 37.195 ng

RT: 16.874 min Scan# 2195

Delta R.T. -0.024 min

Lab File: BF141301.D

Acq: 30 Jan 2025 08:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

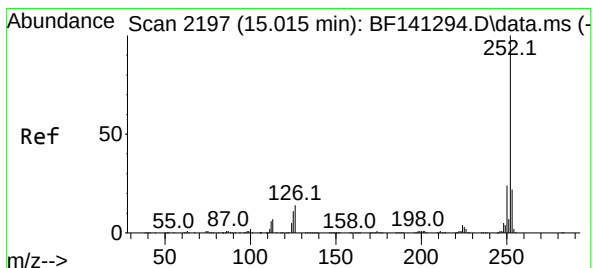
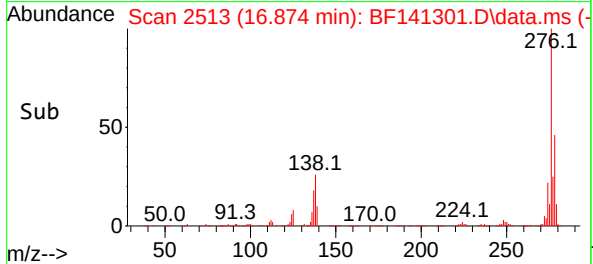
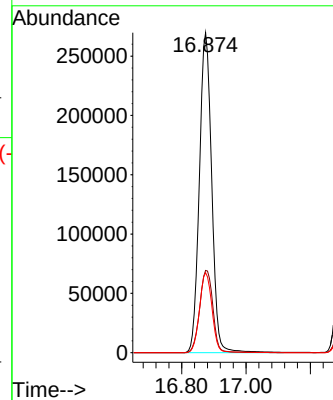
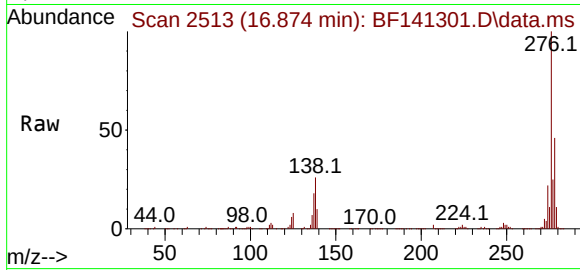
Tgt Ion:276 Resp: 717281

Ion Ratio Lower Upper

276 100

138 27.5 21.7 32.5

277 25.4 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 36.951 ng

RT: 15.004 min Scan# 2195

Delta R.T. -0.018 min

Lab File: BF141301.D

Acq: 30 Jan 2025 08:54

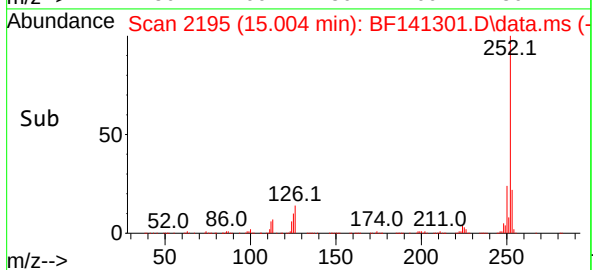
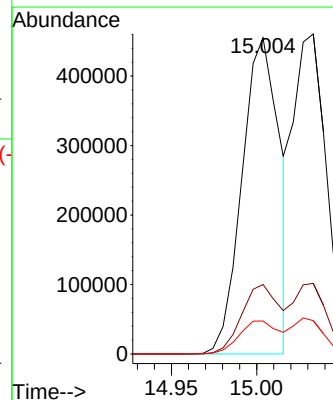
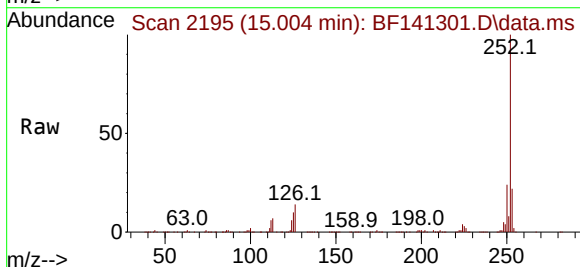
Tgt Ion:252 Resp: 694461

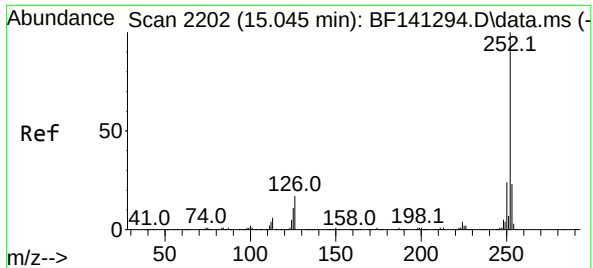
Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.2

125 10.4 8.6 12.8





#89

Benzo(k)fluoranthene

Concen: 37.889 ng

RT: 15.033 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF141301.D

Acq: 30 Jan 2025 08:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

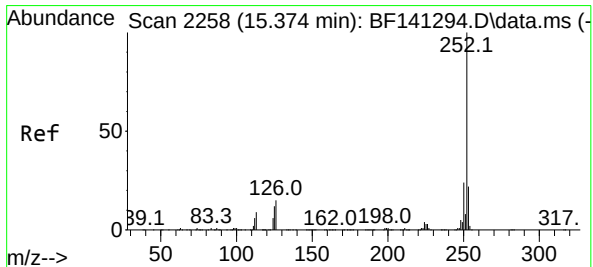
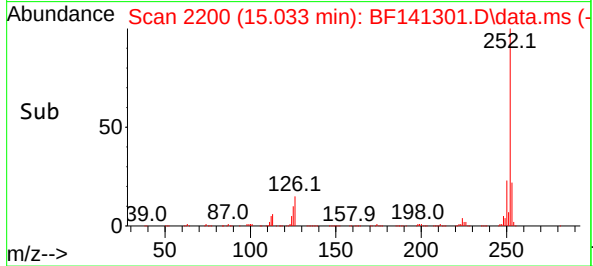
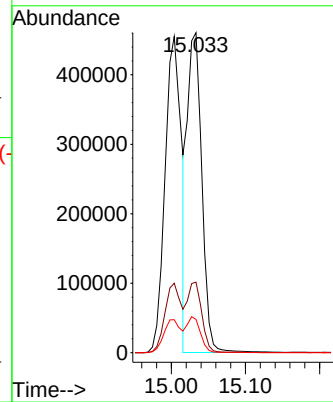
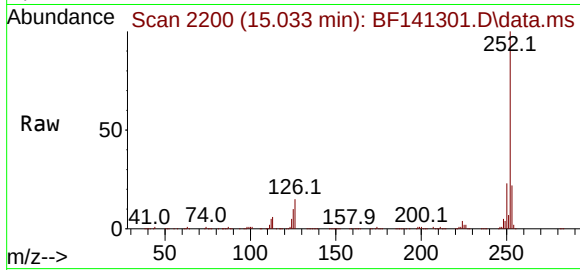
Tgt Ion:252 Resp: 630825

Ion Ratio Lower Upper

252 100

253 22.1 17.6 26.4

125 10.4 8.4 12.6



#90

Benzo(a)pyrene

Concen: 38.001 ng

RT: 15.363 min Scan# 2256

Delta R.T. -0.018 min

Lab File: BF141301.D

Acq: 30 Jan 2025 08:54

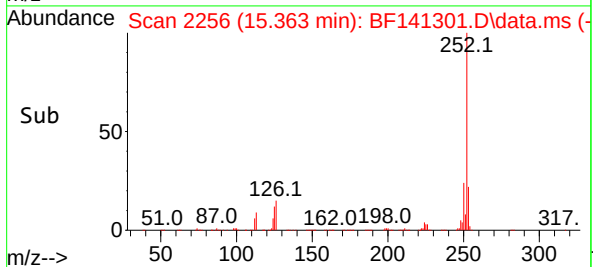
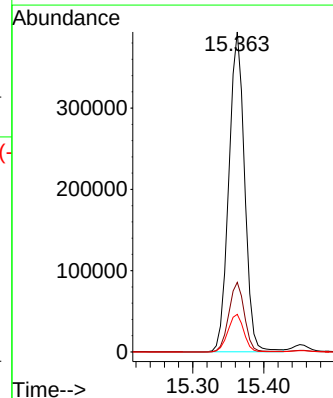
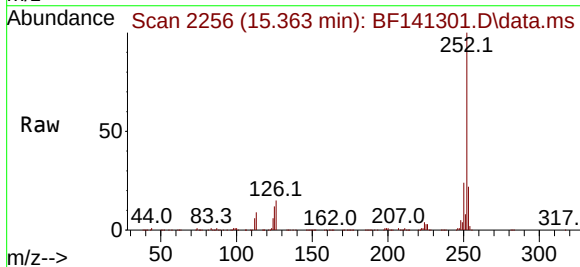
Tgt Ion:252 Resp: 603540

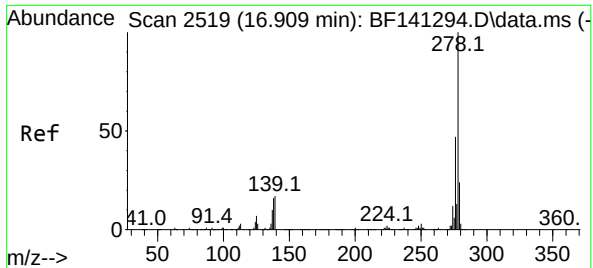
Ion Ratio Lower Upper

252 100

253 21.7 17.2 25.8

125 11.7 9.4 14.2

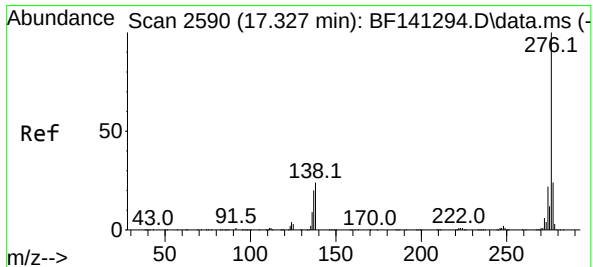
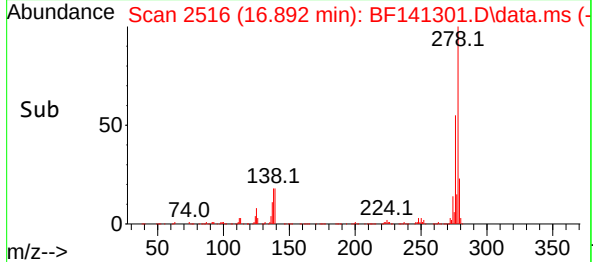
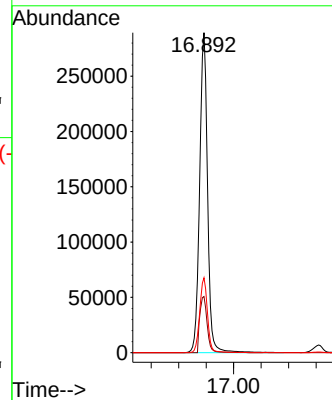
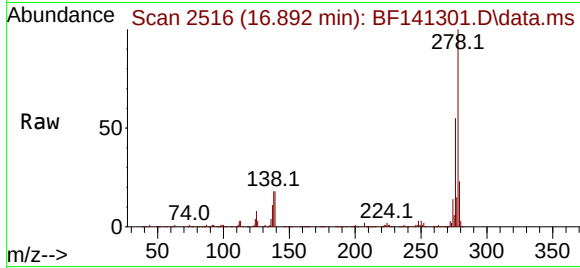




#91
Dibenzo(a,h)anthracene
Concen: 37.155 ng
RT: 16.892 min Scan# 21
Delta R.T. -0.029 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

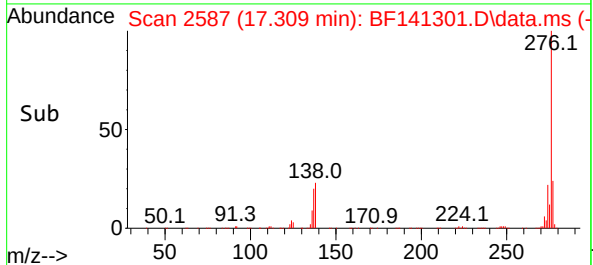
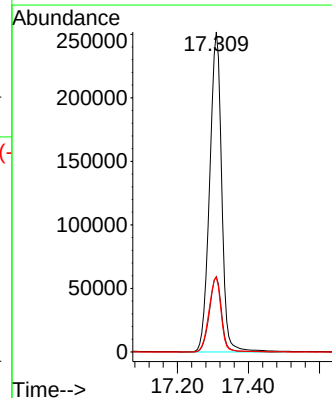
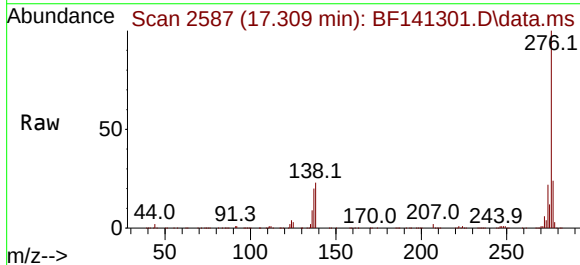
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.5	13.9	20.9
279	23.4	18.8	28.2



#92
Benzo(g,h,i)perylene
Concen: 36.865 ng
RT: 17.309 min Scan# 2587
Delta R.T. -0.035 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.2	28.8
138	23.3	19.0	28.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013025\
 Data File : BF141301.D
 Acq On : 30 Jan 2025 08:54
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Jan 30 10:12:25 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	107	0.00
2	1,4-Dioxane	0.573	0.542	5.4	108	0.00
3	Pyridine	1.380	1.335	3.3	109	-0.01
4	n-Nitrosodimethylamine	0.789	0.754	4.4	108	-0.03
5 S	2-Fluorophenol	1.303	1.194	8.4	107	0.00
6	Aniline	1.403	1.392	0.8	110	0.00
7 S	Phenol-d6	1.657	1.545	6.8	109	-0.01
8	2-Chlorophenol	1.396	1.317	5.7	109	-0.01
9	Benzaldehyde	0.960	0.852	11.2	102	0.00
10 C	Phenol	1.757	1.657	5.7	108	-0.01
11	bis(2-Chloroethyl)ether	1.347	1.242	7.8	108	-0.01
12	1,3-Dichlorobenzene	1.540	1.433	6.9	108	0.00
13 C	1,4-Dichlorobenzene	1.547	1.433	7.4	107	0.00
14	1,2-Dichlorobenzene	1.448	1.358	6.2	109	0.00
15	Benzyl Alcohol	1.133	1.092	3.6	108	0.00
16	2,2'-oxybis(1-Chloropropane	2.342	2.216	5.4	109	0.00
17	2-Methylphenol	1.135	1.057	6.9	109	0.00
18	Hexachloroethane	0.571	0.533	6.7	108	0.00
19 P	n-Nitroso-di-n-propylamine	0.985	0.911	7.5	109	-0.01
20	3+4-Methylphenols	1.393	1.298	6.8	108	-0.01
21 I	Naphthalene-d8	1.000	1.000	0.0	108	0.00
22	Acetophenone	0.475	0.435	8.4	108	0.00
23 S	Nitrobenzene-d5	0.379	0.356	6.1	108	0.00
24	Nitrobenzene	0.393	0.370	5.9	108	-0.01
25	Isophorone	0.656	0.621	5.3	110	0.00
26 C	2-Nitrophenol	0.185	0.177	4.3	108	0.00
27	2,4-Dimethylphenol	0.236	0.227	3.8	109	0.00
28	bis(2-Chloroethoxy)methane	0.418	0.394	5.7	109	0.00
29 C	2,4-Dichlorophenol	0.289	0.273	5.5	109	0.00
30	1,2,4-Trichlorobenzene	0.330	0.305	7.6	109	0.00
31	Naphthalene	1.057	0.980	7.3	108	0.00
32	Benzoic acid	0.217	0.211	2.8	103	-0.04
33	4-Chloroaniline	0.358	0.341	4.7	109	0.00
34 C	Hexachlorobutadiene	0.194	0.181	6.7	109	0.00
35	Caprolactam	0.094	0.091	3.2	111	-0.02
36 C	4-Chloro-3-methylphenol	0.310	0.295	4.8	111	0.00
37	2-Methylnaphthalene	0.672	0.622	7.4	108	0.00
38	1-Methylnaphthalene	0.660	0.613	7.1	109	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	109	0.00
40	1,2,4,5-Tetrachlorobenzene	0.569	0.533	6.3	109	0.00
41 P	Hexachlorocyclopentadiene	0.168	0.172	-2.4	109	0.00
42 S	2,4,6-Tribromophenol	0.183	0.174	4.9	110	0.00
43 C	2,4,6-Trichlorophenol	0.372	0.361	3.0	108	0.00
44	2,4,5-Trichlorophenol	0.405	0.374	7.7	108	0.00
45 S	2-Fluorobiphenyl	1.299	1.166	10.2	107	0.00
46	1,1'-Biphenyl	1.560	1.444	7.4	108	0.00
47	2-Chloronaphthalene	1.216	1.115	8.3	109	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013025\
 Data File : BF141301.D
 Acq On : 30 Jan 2025 08:54
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Jan 30 10:12:25 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	2-Nitroaniline	0.382	0.364	4.7	109	0.00
49	Acenaphthylene	1.702	1.594	6.3	109	0.00
50	Dimethylphthalate	1.351	1.260	6.7	111	0.00
51	2,6-Dinitrotoluene	0.314	0.293	6.7	108	0.00
52 C	Acenaphthene	1.216	1.130	7.1	109	0.00
53	3-Nitroaniline	0.307	0.296	3.6	106	0.00
54 P	2,4-Dinitrophenol	0.146	0.139	4.8	103	0.00
55	Dibenzofuran	1.627	1.502	7.7	108	0.00
56 P	4-Nitrophenol	0.225	0.221	1.8	108	-0.01
57	2,4-Dinitrotoluene	0.406	0.387	4.7	109	0.00
58	Fluorene	1.262	1.151	8.8	108	0.00
59	2,3,4,6-Tetrachlorophenol	0.319	0.312	2.2	112	0.00
60	Diethylphthalate	1.310	1.217	7.1	108	0.00
61	4-Chlorophenyl-phenylether	0.617	0.568	7.9	109	0.00
62	4-Nitroaniline	0.302	0.294	2.6	111	-0.01
63	Azobenzene	1.311	1.225	6.6	109	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	111	0.00
65	4,6-Dinitro-2-methylphenol	0.118	0.123	-4.2	109	0.00
66 c	n-Nitrosodiphenylamine	0.647	0.610	5.7	109	0.00
67	4-Bromophenyl-phenylether	0.224	0.216	3.6	111	0.00
68	Hexachlorobenzene	0.238	0.229	3.8	112	0.00
69	Atrazine	0.216	0.194	10.2	102	0.00
70 C	Pentachlorophenol	0.139	0.142	-2.2	111	0.00
71	Phenanthrene	1.075	1.008	6.2	110	0.00
72	Anthracene	1.053	0.988	6.2	109	0.00
73	Carbazole	0.934	0.889	4.8	110	0.00
74	Di-n-butylphthalate	1.132	1.094	3.4	112	0.00
75 C	Fluoranthene	1.062	1.005	5.4	111	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	111	0.00
77	Benzydine	0.641	0.731	-14.0	112	0.00
78	Pyrene	1.920	1.777	7.4	113	0.00
79 S	Terphenyl-d14	1.297	1.185	8.6	112	0.00
80	Butylbenzylphthalate	0.671	0.641	4.5	114	0.00
81	Benzo(a)anthracene	1.380	1.214	12.0	106	0.00
82	3,3'-Dichlorobenzidine	0.439	0.407	7.3	108	0.00
83	Chrysene	1.265	1.188	6.1	117	0.00
84	Bis(2-ethylhexyl)phthalate	0.851	0.798	6.2	113	0.00
85 c	Di-n-octyl phthalate	1.321	1.218	7.8	110	-0.02
86 I	Perylene-d12	1.000	1.000	0.0	107	-0.02
87	Indeno(1,2,3-cd)pyrene	1.291	1.200	7.0	102	-0.02
88	Benzo(b)fluoranthene	1.258	1.162	7.6	111	-0.02
89	Benzo(k)fluoranthene	1.114	1.056	5.2	104	-0.02
90 C	Benzo(a)pyrene	1.063	1.010	5.0	107	-0.02
91	Dibenzo(a,h)anthracene	1.039	0.965	7.1	102	-0.03
92	Benzo(g,h,i)perylene	1.080	0.995	7.9	102	-0.04

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013025\
Data File : BF141301.D
Acq On : 30 Jan 2025 08:54
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jan 30 10:12:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013025\
 Data File : BF141301.D
 Acq On : 30 Jan 2025 08:54
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Jan 30 10:12:25 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	107	0.00
2	1,4-Dioxane	40.000	37.813	5.5	108	0.00
3	Pyridine	40.000	38.682	3.3	109	-0.01
4	n-Nitrosodimethylamine	40.000	38.256	4.4	108	-0.03
5 S	2-Fluorophenol	80.000	73.339	8.3	107	0.00
6	Aniline	40.000	39.701	0.7	110	0.00
7 S	Phenol-d6	80.000	74.578	6.8	109	-0.01
8	2-Chlorophenol	40.000	37.714	5.7	109	-0.01
9	Benzaldehyde	40.000	35.516	11.2	102	0.00
10 C	Phenol	40.000	37.734	5.7	108	-0.01
11	bis(2-Chloroethyl)ether	40.000	36.896	7.8	108	-0.01
12	1,3-Dichlorobenzene	40.000	37.233	6.9	108	0.00
13 C	1,4-Dichlorobenzene	40.000	37.052	7.4	107	0.00
14	1,2-Dichlorobenzene	40.000	37.501	6.2	109	0.00
15	Benzyl Alcohol	40.000	38.584	3.5	108	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	37.839	5.4	109	0.00
17	2-Methylphenol	40.000	37.247	6.9	109	0.00
18	Hexachloroethane	40.000	37.348	6.6	108	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	37.005	7.5	109	-0.01
20	3+4-Methylphenols	40.000	37.247	6.9	108	-0.01
21 I	Naphthalene-d8	20.000	20.000	0.0	108	0.00
22	Acetophenone	40.000	36.587	8.5	108	0.00
23 S	Nitrobenzene-d5	80.000	75.011	6.2	108	0.00
24	Nitrobenzene	40.000	37.656	5.9	108	-0.01
25	Isophorone	40.000	37.866	5.3	110	0.00
26 C	2-Nitrophenol	40.000	38.187	4.5	108	0.00
27	2,4-Dimethylphenol	40.000	38.454	3.9	109	0.00
28	bis(2-Chloroethoxy)methane	40.000	37.666	5.8	109	0.00
29 C	2,4-Dichlorophenol	40.000	37.822	5.4	109	0.00
30	1,2,4-Trichlorobenzene	40.000	37.030	7.4	109	0.00
31	Naphthalene	40.000	37.109	7.2	108	0.00
32	Benzoic acid	40.000	38.870	2.8	103	-0.04
33	4-Chloroaniline	40.000	38.063	4.8	109	0.00
34 C	Hexachlorobutadiene	40.000	37.404	6.5	109	0.00
35	Caprolactam	40.000	38.592	3.5	111	-0.02
36 C	4-Chloro-3-methylphenol	40.000	38.080	4.8	111	0.00
37	2-Methylnaphthalene	40.000	37.063	7.3	108	0.00
38	1-Methylnaphthalene	40.000	37.152	7.1	109	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	109	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	37.450	6.4	109	0.00
41 P	Hexachlorocyclopentadiene	40.000	40.862	-2.2	109	0.00
42 S	2,4,6-Tribromophenol	80.000	75.804	5.2	110	0.00
43 C	2,4,6-Trichlorophenol	40.000	38.755	3.1	108	0.00
44	2,4,5-Trichlorophenol	40.000	36.919	7.7	108	0.00
45 S	2-Fluorobiphenyl	80.000	71.765	10.3	107	0.00
46	1,1'-Biphenyl	40.000	37.042	7.4	108	0.00
47	2-Chloronaphthalene	40.000	36.699	8.3	109	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013025\
 Data File : BF141301.D
 Acq On : 30 Jan 2025 08:54
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Jan 30 10:12:25 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	38.111	4.7	109	0.00
49	Acenaphthylene	40.000	37.463	6.3	109	0.00
50	Dimethylphthalate	40.000	37.298	6.8	111	0.00
51	2,6-Dinitrotoluene	40.000	37.386	6.5	108	0.00
52 C	Acenaphthene	40.000	37.171	7.1	109	0.00
53	3-Nitroaniline	40.000	38.456	3.9	106	0.00
54 P	2,4-Dinitrophenol	40.000	38.081	4.8	103	0.00
55	Dibenzofuran	40.000	36.923	7.7	108	0.00
56 P	4-Nitrophenol	40.000	39.302	1.7	108	-0.01
57	2,4-Dinitrotoluene	40.000	38.142	4.6	109	0.00
58	Fluorene	40.000	36.459	8.9	108	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	39.118	2.2	112	0.00
60	Diethylphthalate	40.000	37.157	7.1	108	0.00
61	4-Chlorophenyl-phenylether	40.000	36.875	7.8	109	0.00
62	4-Nitroaniline	40.000	38.976	2.6	111	-0.01
63	Azobenzene	40.000	37.363	6.6	109	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	111	0.00
65	4,6-Dinitro-2-methylphenol	40.000	41.499	-3.7	109	0.00
66 c	n-Nitrosodiphenylamine	40.000	37.717	5.7	109	0.00
67	4-Bromophenyl-phenylether	40.000	38.519	3.7	111	0.00
68	Hexachlorobenzene	40.000	38.606	3.5	112	0.00
69	Atrazine	40.000	35.925	10.2	102	0.00
70 C	Pentachlorophenol	40.000	40.848	-2.1	111	0.00
71	Phenanthrene	40.000	37.489	6.3	110	0.00
72	Anthracene	40.000	37.517	6.2	109	0.00
73	Carbazole	40.000	38.060	4.8	110	0.00
74	Di-n-butylphthalate	40.000	38.646	3.4	112	0.00
75 C	Fluoranthene	40.000	37.857	5.4	111	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	111	0.00
77	Benzydine	40.000	45.623	-14.1	112	0.00
78	Pyrene	40.000	37.019	7.5	113	0.00
79 S	Terphenyl-d14	80.000	73.075	8.7	112	0.00
80	Butylbenzylphthalate	40.000	38.238	4.4	114	0.00
81	Benzo(a)anthracene	40.000	35.173	12.1	106	0.00
82	3,3'-Dichlorobenzidine	40.000	37.051	7.4	108	0.00
83	Chrysene	40.000	37.578	6.1	117	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	37.511	6.2	113	0.00
85 c	Di-n-octyl phthalate	40.000	36.853	7.9	110	-0.02
86 I	Perylene-d12	20.000	20.000	0.0	107	-0.02
87	Indeno(1,2,3-cd)pyrene	40.000	37.195	7.0	102	-0.02
88	Benzo(b)fluoranthene	40.000	36.951	7.6	111	-0.02
89	Benzo(k)fluoranthene	40.000	37.889	5.3	104	-0.02
90 C	Benzo(a)pyrene	40.000	38.001	5.0	107	-0.02
91	Dibenzo(a,h)anthracene	40.000	37.155	7.1	102	-0.03
92	Benzo(g,h,i)perylene	40.000	36.865	7.8	102	-0.04

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013025\
Data File : BF141301.D
Acq On : 30 Jan 2025 08:54
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jan 30 10:12:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG No.: Q1194

Instrument ID: BNA_F Calibration Date/Time: 01/31/2025 17:19

Lab File ID: BF141336.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 17:05

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.303	1.218		-6.5	
Benzaldehyde	0.960	0.972		1.3	
Phenol-d6	1.657	1.534		-7.4	
Phenol	1.757	1.652		-6.0	20.0
bis(2-Chloroethyl)ether	1.347	1.267		-5.9	
2-Chlorophenol	1.396	1.307		-6.4	
2-Methylphenol	1.135	1.062		-6.4	
2,2-oxybis(1-Chloropropane)	2.342	2.199		-6.1	
Acetophenone	0.475	0.424		-10.7	
3+4-Methylphenols	1.393	1.318		-5.4	
n-Nitroso-di-n-propylamine	0.985	0.946	0.050	-4.0	
Nitrobenzene-d5	0.379	0.348		-8.2	
Hexachloroethane	0.571	0.536		-6.1	
Nitrobenzene	0.393	0.365		-7.1	
Isophorone	0.656	0.622		-5.2	
2-Nitrophenol	0.185	0.175		-5.4	20.0
2,4-Dimethylphenol	0.236	0.224		-5.1	
bis(2-Chloroethoxy)methane	0.418	0.386		-7.7	
2,4-Dichlorophenol	0.289	0.272		-5.9	20.0
Naphthalene	1.057	0.966		-8.6	
4-Chloroaniline	0.358	0.329		-8.1	
Hexachlorobutadiene	0.194	0.179		-7.7	20.0
Caprolactam	0.094	0.091		-3.2	
4-Chloro-3-methylphenol	0.310	0.341		10.0	20.0
2-Methylnaphthalene	0.672	0.618		-8.0	
Hexachlorocyclopentadiene	0.168	0.159	0.050	-5.4	
2,4,6-Trichlorophenol	0.372	0.365		-1.9	20.0
2-Fluorobiphenyl	1.299	1.148		-11.6	
2,4,5-Trichlorophenol	0.405	0.381		-5.9	
1,1-Biphenyl	1.560	1.427		-8.5	
2-Chloronaphthalene	1.216	1.102		-9.4	
2-Nitroaniline	0.382	0.366		-4.2	
Dimethylphthalate	1.351	1.290		-4.5	
Acenaphthylene	1.702	1.577		-7.3	
2,6-Dinitrotoluene	0.314	0.300		-4.5	
3-Nitroaniline	0.307	0.292		-4.9	
Acenaphthene	1.216	1.127		-7.3	20.0
2,4-Dinitrophenol	0.146	0.150	0.050	2.7	
4-Nitrophenol	0.225	0.300	0.050	33.3	



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.: Q1194 SAS No.: Q1194 SDG No.: Q1194

Instrument ID: BNA_F Calibration Date/Time: 01/31/2025 17:19

Lab File ID: BF141336.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 17:05

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.627	1.481		-9.0	
2,4-Dinitrotoluene	0.406	0.427		5.2	
Diethylphthalate	1.310	1.249		-4.7	
4-Chlorophenyl-phenylether	0.617	0.562		-8.9	
Fluorene	1.262	1.151		-8.8	
4-Nitroaniline	0.302	0.288		-4.6	
4,6-Dinitro-2-methylphenol	0.118	0.131		11.0	
n-Nitrosodiphenylamine	0.647	0.627		-3.1	20.0
2,4,6-Tribromophenol	0.183	0.177		-3.3	
4-Bromophenyl-phenylether	0.224	0.220		-1.8	
Hexachlorobenzene	0.238	0.232		-2.5	
Atrazine	0.216	0.184		-14.8	
Pentachlorophenol	0.139	0.186		33.8	20.0
Phenanthrene	1.075	1.016		-5.5	
Anthracene	1.053	0.999		-5.1	
Carbazole	0.934	0.892		-4.5	
Di-n-butylphthalate	1.132	1.116		-1.4	
Fluoranthene	1.062	1.011		-4.8	20.0
Pyrene	1.920	1.949		1.5	
Terphenyl-d14	1.297	1.177		-9.3	
Butylbenzylphthalate	0.671	0.656		-2.2	
3,3-Dichlorobenzidine	0.439	0.397		-9.6	
Benzo (a) anthracene	1.380	1.181		-14.4	
Chrysene	1.265	1.179		-6.8	
Bis(2-ethylhexyl)phthalate	0.851	0.815		-4.2	
Di-n-octyl phthalate	1.321	1.285		-2.7	20.0
Benzo (b) fluoranthene	1.258	1.168		-7.2	
Benzo (k) fluoranthene	1.114	1.042		-6.5	
Benzo (a) pyrene	1.063	0.991		-6.8	20.0
Indeno (1,2,3-cd) pyrene	1.291	1.238		-4.1	
Dibenzo (a,h) anthracene	1.039	0.999		-3.8	
Benzo (g,h,i) perylene	1.080	1.050		-2.8	
1,2,4,5-Tetrachlorobenzene	0.569	0.515		-9.5	
1,4-Dioxane	0.573	0.545		-4.9	20.0
2,3,4,6-Tetrachlorophenol	0.319	0.310		-2.8	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
 Data File : BF141336.D
 Acq On : 31 Jan 2025 17:19
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Jan 31 17:43:26 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	140033	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	558386	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	299701	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	493954	20.000	ng	0.00
76) Chrysene-d12	13.968	240	281629	20.000	ng	0.00
86) Perylene-d12	15.433	264	286623	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	682309	74.803	ng	-0.01
7) Phenol-d6	6.428	99	859443	74.066	ng	-0.01
23) Nitrobenzene-d5	7.363	82	776494	73.308	ng	0.00
42) 2,4,6-Tribromophenol	10.628	330	211897	77.122	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1376427	70.690	ng	0.00
79) Terphenyl-d14	12.910	244	1325492	72.583	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.487	88	152703	38.066	ng	99
3) Pyridine	3.210	79	371435	38.429	ng	100
4) n-Nitrosodimethylamine	3.163	42	210093	38.050	ng	100
6) Aniline	6.457	93	376476	38.328	ng	93
8) 2-Chlorophenol	6.581	128	365957	37.432	ng	99
9) Benzaldehyde	6.345	77	272105	40.484	ng	99
10) Phenol	6.440	94	462764	37.622	ng	99
11) bis(2-Chloroethyl)ether	6.534	93	354960	37.636	ng	99
12) 1,3-Dichlorobenzene	6.740	146	403414	37.423	ng	99
13) 1,4-Dichlorobenzene	6.816	146	402314	37.151	ng	100
14) 1,2-Dichlorobenzene	6.969	146	377953	37.272	ng	99
15) Benzyl Alcohol	6.939	79	308313	38.880	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.075	45	615868	37.552	ng	100
17) 2-Methylphenol	7.051	107	297446	37.434	ng	98
18) Hexachloroethane	7.310	117	150153	37.585	ng	99
19) n-Nitroso-di-n-propyla...	7.216	70	264932	38.424	ng	96
20) 3+4-Methylphenols	7.204	107	369223	37.845	ng	99
22) Acetophenone	7.210	105	473548	35.678	ng	100
24) Nitrobenzene	7.381	77	407415	37.116	ng	100
25) Isophorone	7.622	82	694555	37.934	ng	99
26) 2-Nitrophenol	7.698	139	195489	37.762	ng	99
27) 2,4-Dimethylphenol	7.734	122	250385	37.999	ng	98
28) bis(2-Chloroethoxy)met...	7.834	93	431598	36.955	ng	100
29) 2,4-Dichlorophenol	7.939	162	303375	37.608	ng	100
30) 1,2,4-Trichlorobenzene	8.022	180	333619	36.214	ng	100
31) Naphthalene	8.104	128	1078465	36.561	ng	100
32) Benzoic acid	7.845	122	252577	41.698	ng	99
33) 4-Chloroaniline	8.151	127	367291	36.719	ng	99
34) Hexachlorobutadiene	8.222	225	200005	37.021	ng	100
35) Caprolactam	8.522	113	101967	38.705	ng	99
36) 4-Chloro-3-methylphenol	8.633	107	380639	43.991	ng	98
37) 2-Methylnaphthalene	8.792	142	690288	36.818	ng	98
38) 1-Methylnaphthalene	8.892	142	675547	36.681	ng	99
40) 1,2,4,5-Tetrachloroben...	8.957	216	308854	36.224	ng	99
41) Hexachlorocyclopentadiene	8.945	237	95556	37.949	ng	99
43) 2,4,6-Trichlorophenol	9.069	196	218757	39.199	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
 Data File : BF141336.D
 Acq On : 31 Jan 2025 17:19
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Jan 31 17:43:26 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

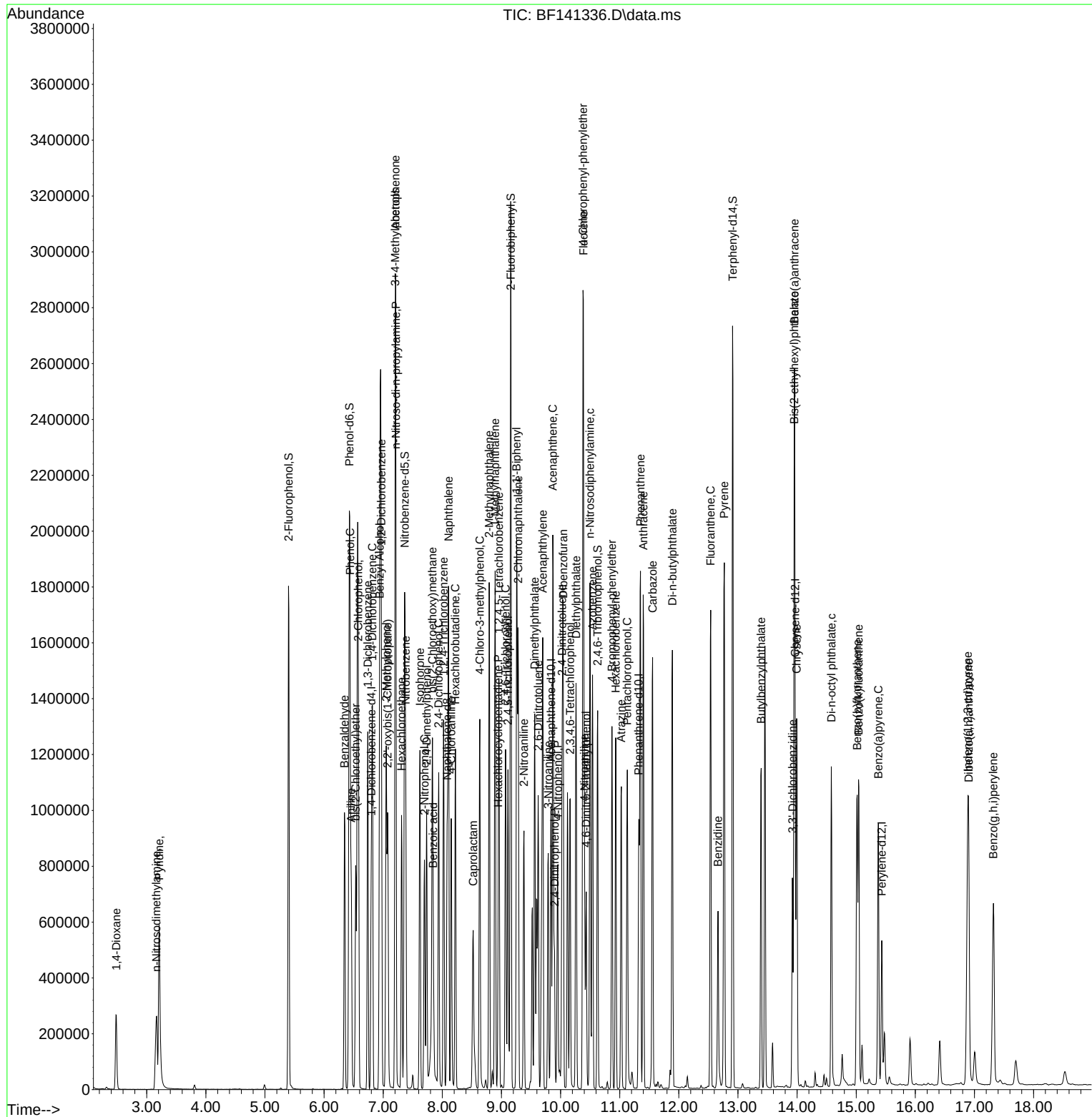
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	228427	37.608	ng	100
46) 1,1'-Biphenyl	9.257	154	855111	36.585	ng	100
47) 2-Chloronaphthalene	9.281	162	660426	36.251	ng	100
48) 2-Nitroaniline	9.381	65	219643	38.330	ng	100
49) Acenaphthylene	9.698	152	945423	37.073	ng	100
50) Dimethylphthalate	9.563	163	773243	38.200	ng	100
51) 2,6-Dinitrotoluene	9.622	165	179857	38.268	ng	99
52) Acenaphthene	9.869	154	675302	37.066	ng	99
53) 3-Nitroaniline	9.792	138	174746	37.936	ng	98
54) 2,4-Dinitrophenol	9.898	184	90166	41.270	ng	99
55) Dibenzofuran	10.045	168	887550	36.395	ng	100
56) 4-Nitrophenol	9.951	139	179822	53.378	ng	99
57) 2,4-Dinitrotoluene	10.028	165	255655	42.014	ng	99
58) Fluorene	10.386	166	690153	36.485	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.163	232	185895	38.903	ng	100
60) Diethylphthalate	10.263	149	748552	38.140	ng	100
61) 4-Chlorophenyl-phenyle...	10.380	204	336871	36.458	ng	99
62) 4-Nitroaniline	10.404	138	172379	38.063	ng	98
63) Azobenzene	10.539	77	738145	37.573	ng	100
65) 4,6-Dinitro-2-methylph...	10.433	198	129346	44.270	ng	99
66) n-Nitrosodiphenylamine	10.498	169	619094	38.751	ng	99
67) 4-Bromophenyl-phenylether	10.869	248	216973	39.236	ng	97
68) Hexachlorobenzene	10.933	284	228716	38.991	ng	98
69) Atrazine	11.027	200	181536	33.985	ng	98
70) Pentachlorophenol	11.127	266	184030	53.575	ng	98
71) Phenanthrene	11.351	178	1004184	37.819	ng	100
72) Anthracene	11.398	178	987277	37.948	ng	99
73) Carbazole	11.557	167	881695	38.220	ng	100
74) Di-n-butylphthalate	11.892	149	1102750	39.444	ng	100
75) Fluoranthene	12.539	202	998810	38.098	ng	100
77) Benzidine	12.663	184	349084	38.664	ng	100
78) Pyrene	12.769	202	1097741	40.606	ng	100
80) Butylbenzylphthalate	13.392	149	369304	39.103	ng	99
81) Benzo(a)anthracene	13.957	228	665086	34.223	ng	100
82) 3,3'-Dichlorobenzidine	13.921	252	223750	36.200	ng	100
83) Chrysene	13.992	228	664102	37.287	ng	100
84) Bis(2-ethylhexyl)phtha...	13.951	149	458911	38.304	ng	99
85) Di-n-octyl phthalate	14.580	149	723593	38.886	ng	100
87) Indeno(1,2,3-cd)pyrene	16.886	276	709942	38.376	ng	100
88) Benzo(b)fluoranthene	15.015	252	669775	37.149	ng	100
89) Benzo(k)fluoranthene	15.039	252	597549	37.413	ng	99
90) Benzo(a)pyrene	15.374	252	568194	37.294	ng	100
91) Dibenzo(a,h)anthracene	16.904	278	572387	38.458	ng	100
92) Benzo(g,h,i)perylene	17.321	276	601743	38.883	ng	100

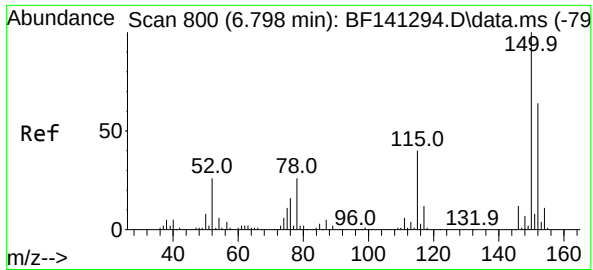
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141336.D
Acq On : 31 Jan 2025 17:19
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Jan 31 17:43:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

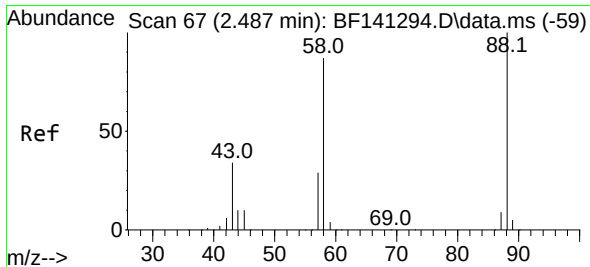
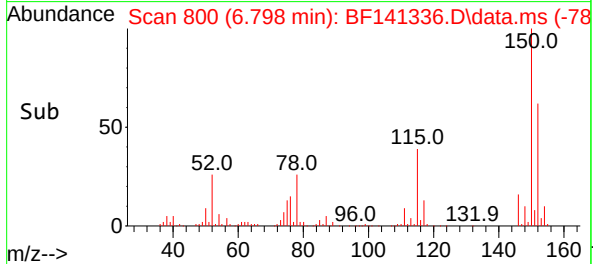
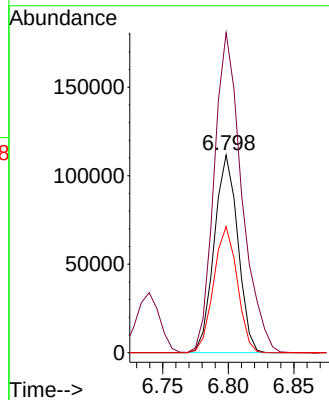
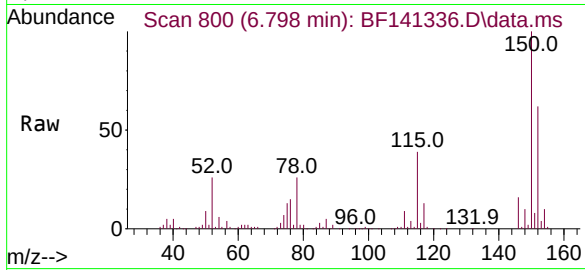




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.798 min Scan# 800
 Delta R.T. -0.006 min
 Lab File: BF141336.D
 Acq: 31 Jan 2025 17:19

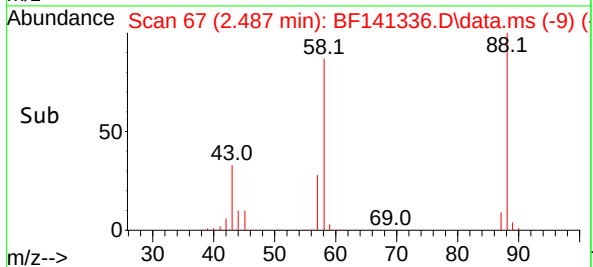
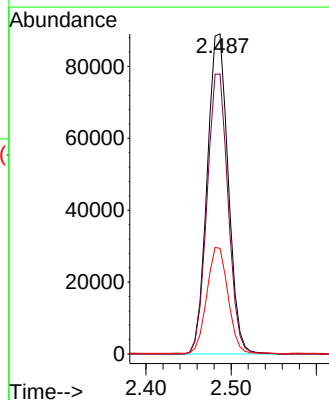
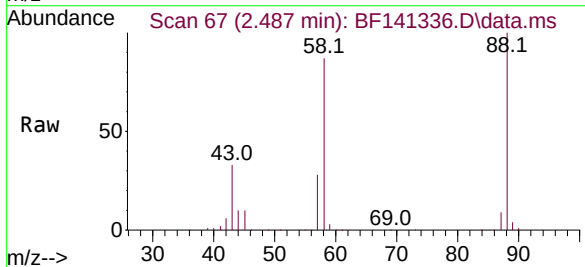
Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

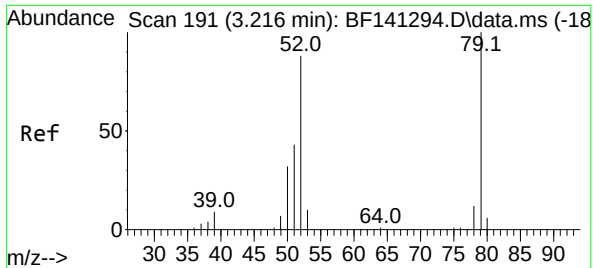
Tgt Ion:152 Resp: 140033
 Ion Ratio Lower Upper
 152 100
 150 161.9 125.9 188.9
 115 63.8 49.7 74.5



#2
 1,4-Dioxane
 Concen: 38.066 ng
 RT: 2.487 min Scan# 67
 Delta R.T. -0.006 min
 Lab File: BF141336.D
 Acq: 31 Jan 2025 17:19

Tgt Ion: 88 Resp: 152703
 Ion Ratio Lower Upper
 88 100
 58 87.4 70.2 105.4
 43 33.9 27.6 41.4

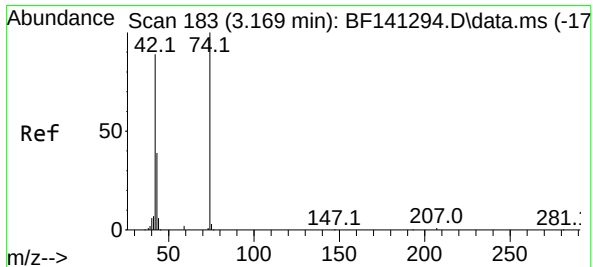
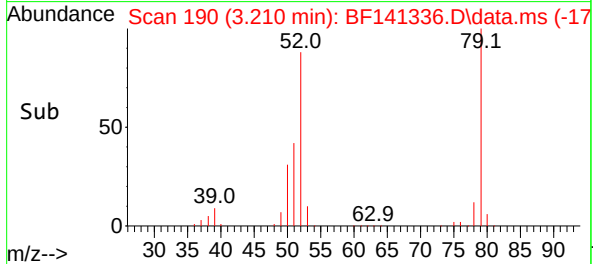
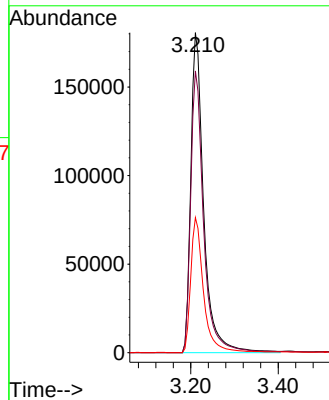
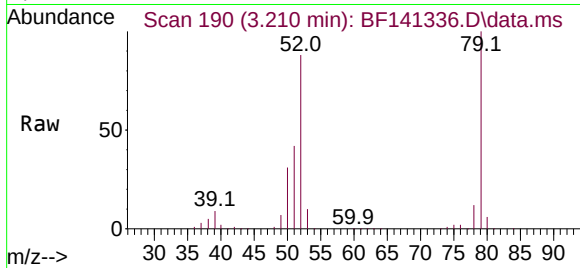




#3
Pyridine
Concen: 38.429 ng
RT: 3.210 min Scan# 191
Delta R.T. -0.018 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

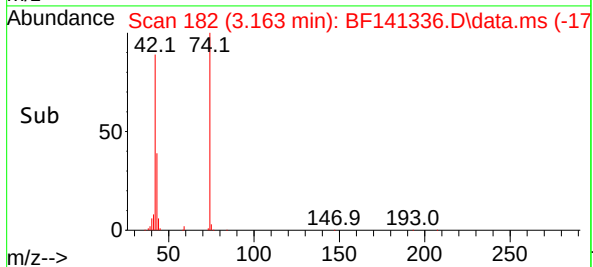
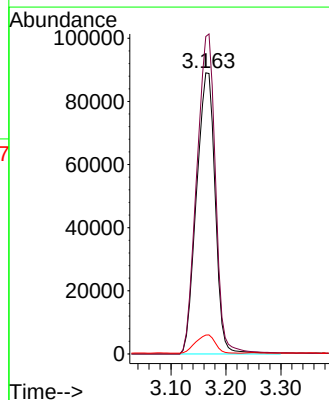
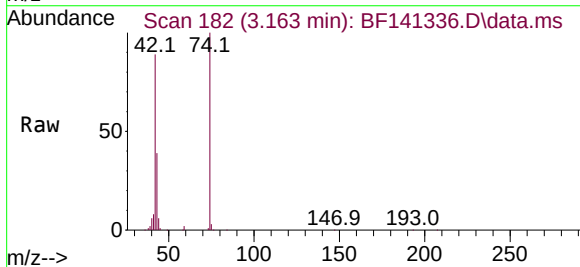
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

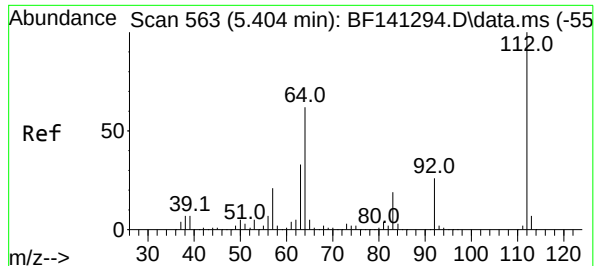
Tgt Ion: 79 Resp: 371435
Ion Ratio Lower Upper
79 100
52 88.0 70.3 105.5
51 42.2 34.3 51.5



#4
n-Nitrosodimethylamine
Concen: 38.050 ng
RT: 3.163 min Scan# 182
Delta R.T. -0.035 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion: 42 Resp: 210093
Ion Ratio Lower Upper
42 100
74 112.9 90.3 135.5
44 6.7 5.7 8.5

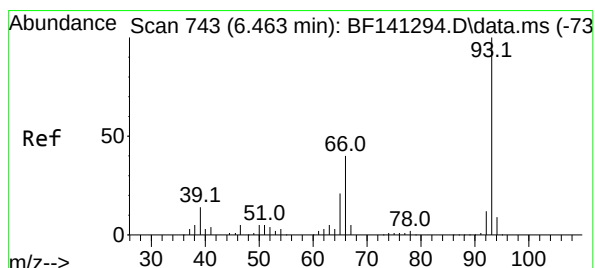
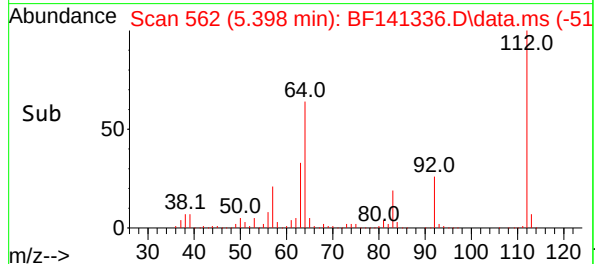
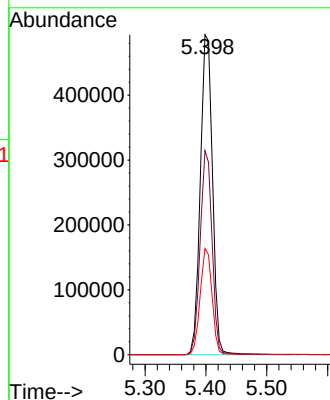
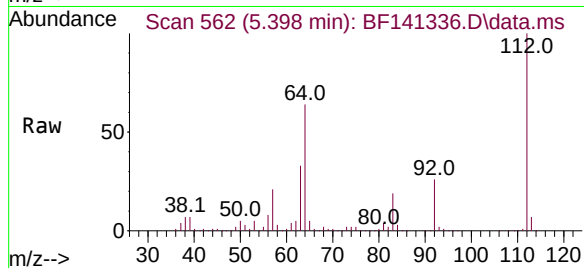




#5
2-Fluorophenol
Concen: 74.803 ng
RT: 5.398 min Scan# 501
Delta R.T. -0.012 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

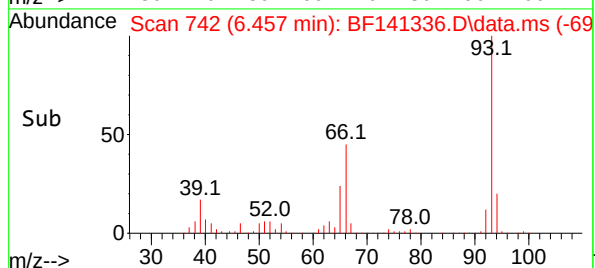
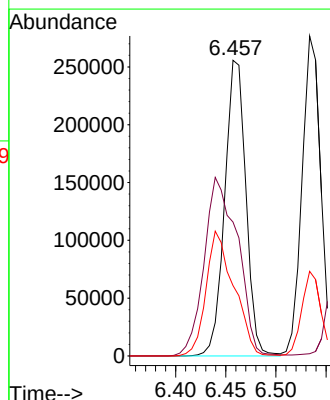
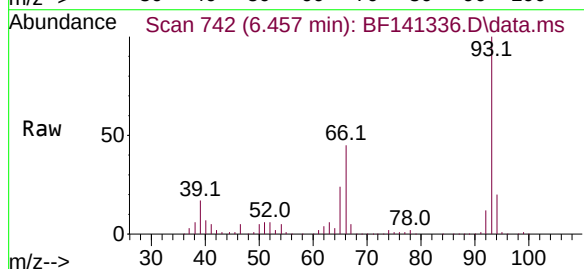
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

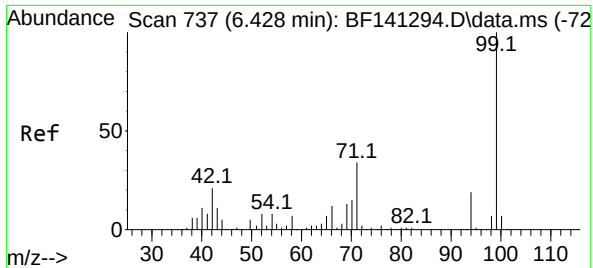
Tgt Ion:112 Resp: 682309
Ion Ratio Lower Upper
112 100
64 63.7 49.8 74.8
63 33.2 26.1 39.1



#6
Aniline
Concen: 38.328 ng
RT: 6.457 min Scan# 742
Delta R.T. -0.012 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion: 93 Resp: 376476
Ion Ratio Lower Upper
93 100
66 45.3 32.5 48.7
65 23.8 17.0 25.6

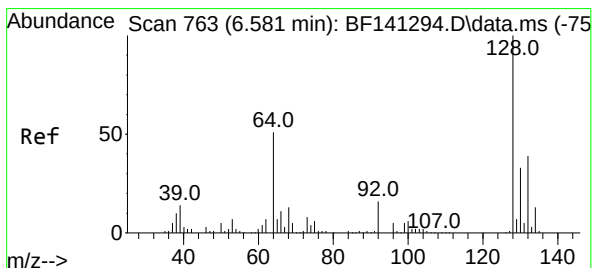
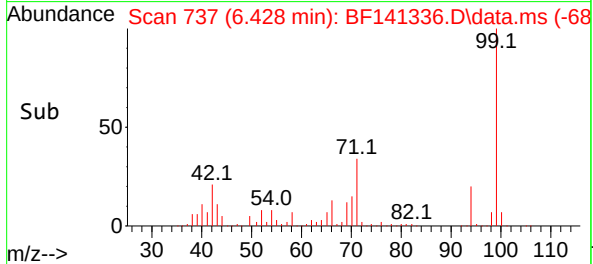
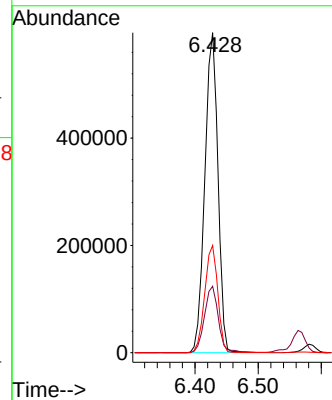
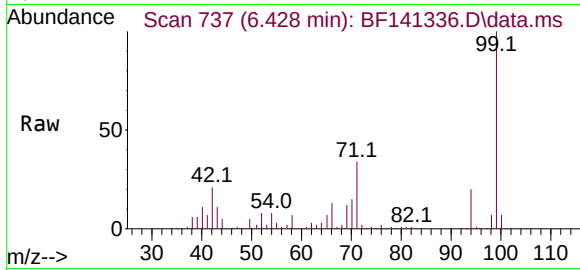




#7
Phenol-d6
Concen: 74.066 ng
RT: 6.428 min Scan# 711
Delta R.T. -0.012 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

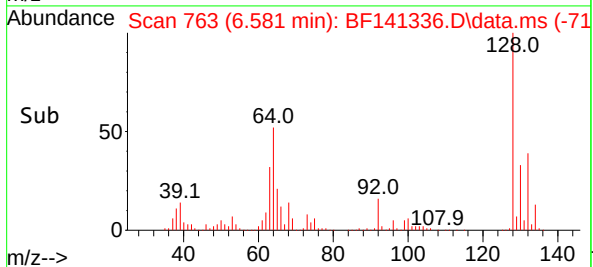
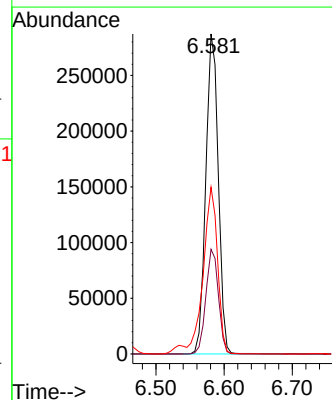
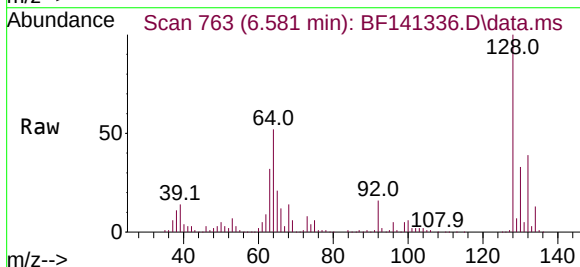
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

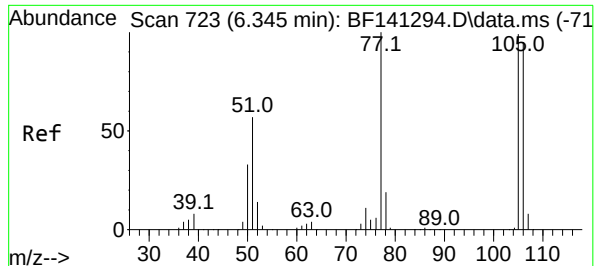
Tgt Ion: 99 Resp: 859443
Ion Ratio Lower Upper
99 100
42 20.7 17.1 25.7
71 33.5 26.9 40.3



#8
2-Chlorophenol
Concen: 37.432 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.012 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion: 128 Resp: 365957
Ion Ratio Lower Upper
128 100
130 32.7 12.5 52.5
64 52.1 32.9 72.9





#9

Benzaldehyde

Concen: 40.484 ng

RT: 6.345 min Scan# 723

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

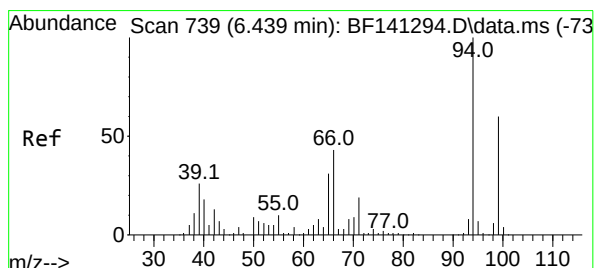
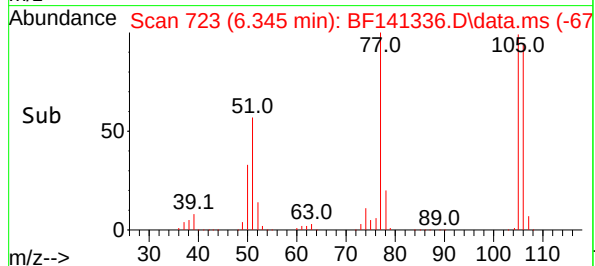
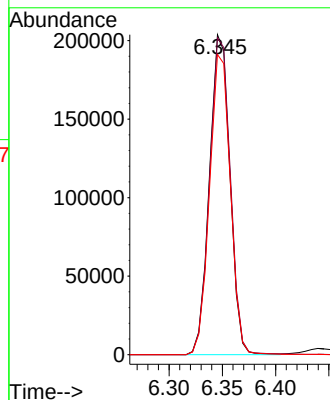
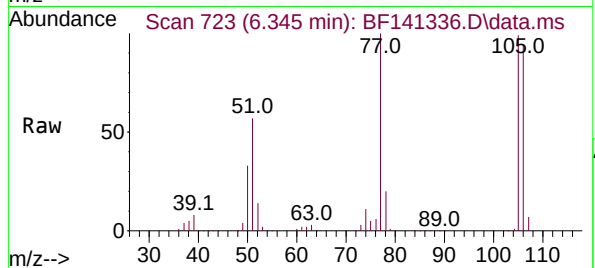
Tgt Ion: 77 Resp: 272105

Ion Ratio Lower Upper

77 100

105 99.1 79.4 119.4

106 93.8 74.6 114.6



#10

Phenol

Concen: 37.622 ng

RT: 6.440 min Scan# 739

Delta R.T. -0.012 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

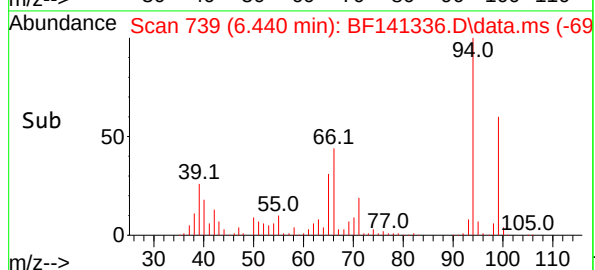
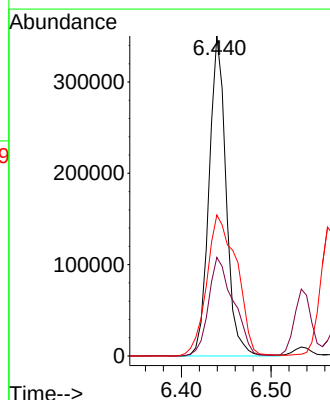
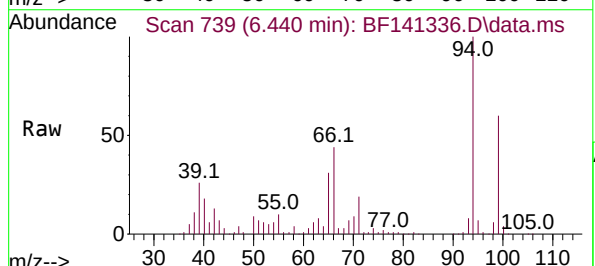
Tgt Ion: 94 Resp: 462764

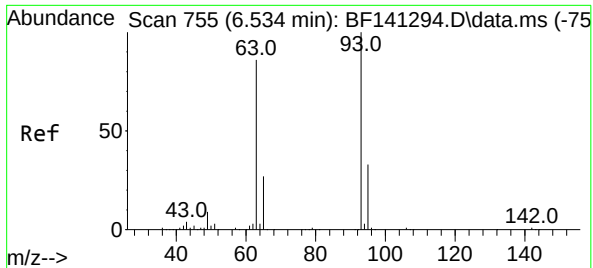
Ion Ratio Lower Upper

94 100

65 30.8 10.8 50.8

66 44.1 23.3 63.3

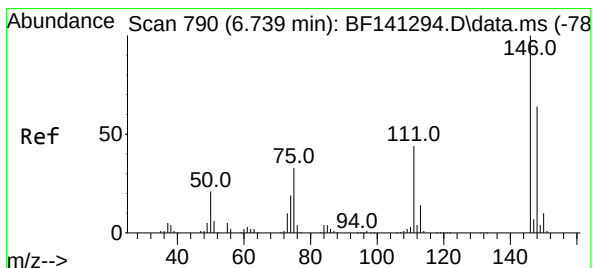
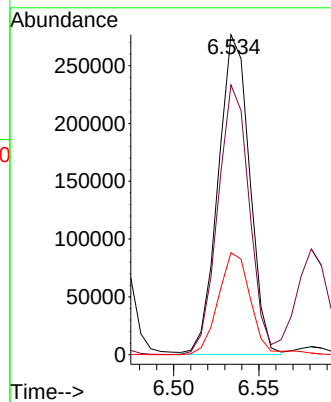
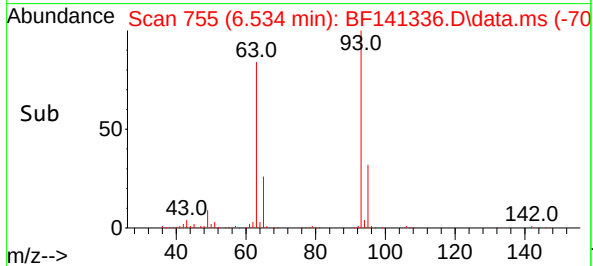
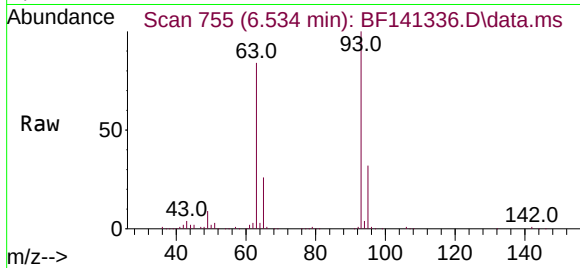




#11
bis(2-Chloroethyl)ether
Concen: 37.636 ng
RT: 6.534 min Scan# 755
Delta R.T. -0.012 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

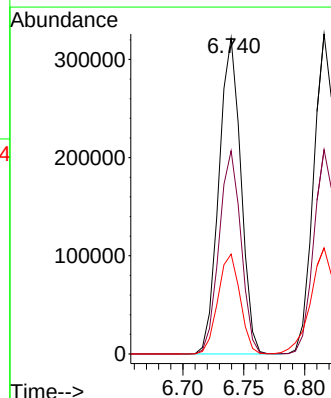
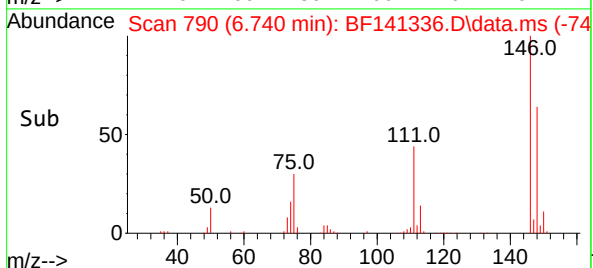
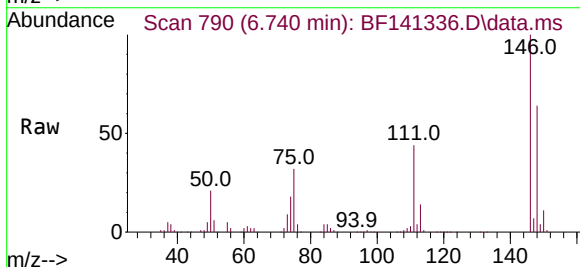
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

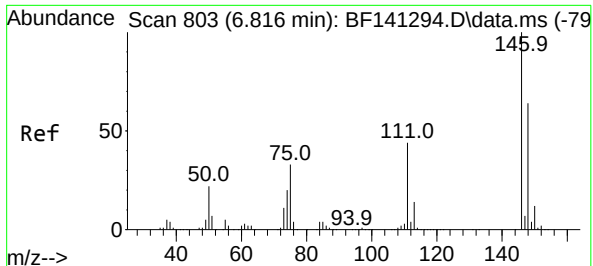
Tgt Ion: 93 Resp: 354960
Ion Ratio Lower Upper
93 100
63 84.3 65.0 105.0
95 31.9 12.4 52.4



#12
1,3-Dichlorobenzene
Concen: 37.423 ng
RT: 6.740 min Scan# 790
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion: 146 Resp: 403414
Ion Ratio Lower Upper
146 100
148 64.3 51.2 76.8
75 31.6 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 37.151 ng

RT: 6.816 min Scan# 803

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

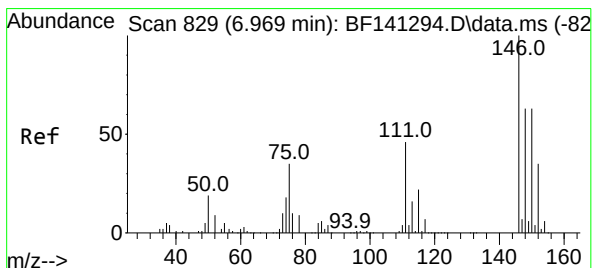
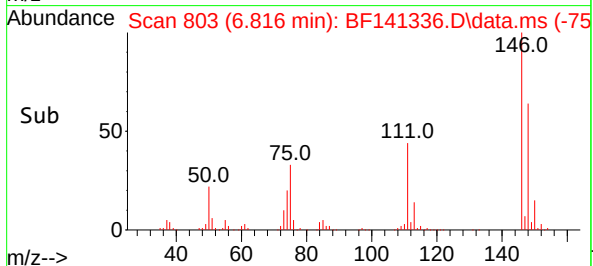
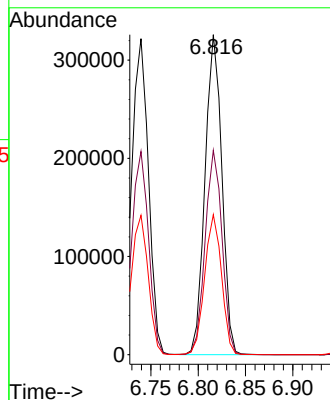
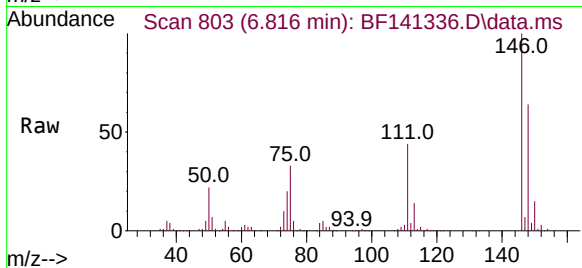
Tgt Ion:146 Resp: 402314

Ion Ratio Lower Upper

146 100

148 63.8 51.2 76.8

111 43.7 35.0 52.4



#14

1,2-Dichlorobenzene

Concen: 37.272 ng

RT: 6.969 min Scan# 829

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

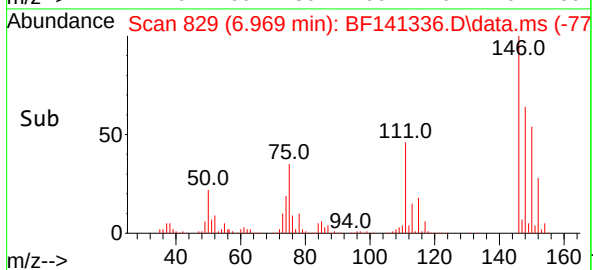
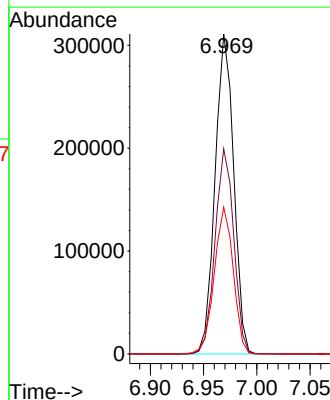
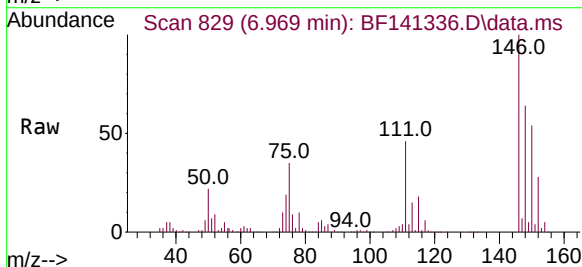
Tgt Ion:146 Resp: 377953

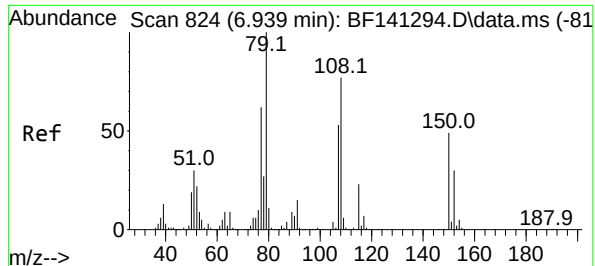
Ion Ratio Lower Upper

146 100

148 64.1 50.5 75.7

111 45.9 36.6 55.0





#15

Benzyl Alcohol

Concen: 38.880 ng

RT: 6.939 min Scan# 824

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

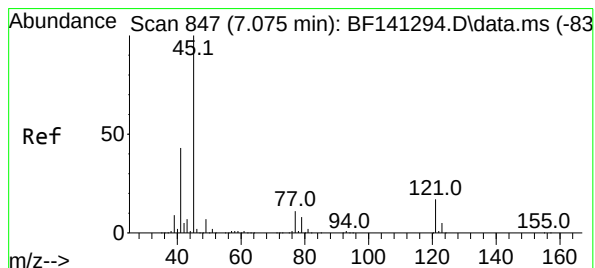
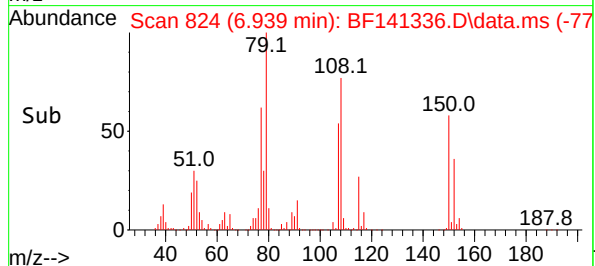
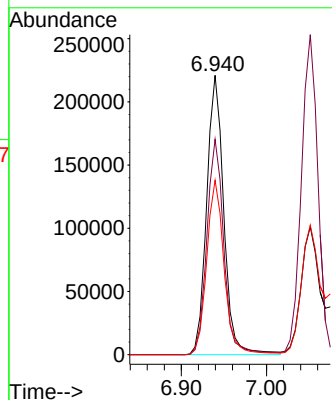
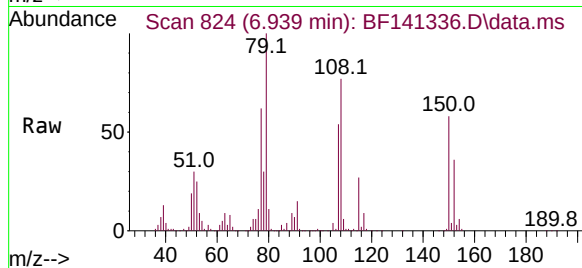
Tgt Ion: 79 Resp: 308313

Ion Ratio Lower Upper

79 100

108 77.1 61.4 92.0

77 62.4 49.9 74.9



#16

2,2'-oxybis(1-chloropropane)

Concen: 37.552 ng

RT: 7.075 min Scan# 847

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

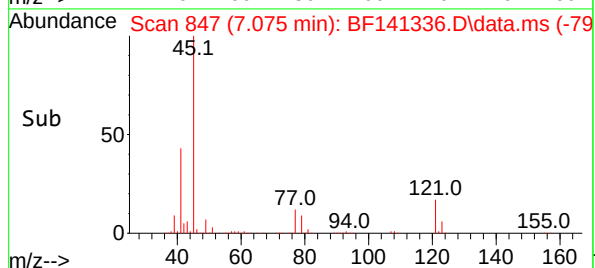
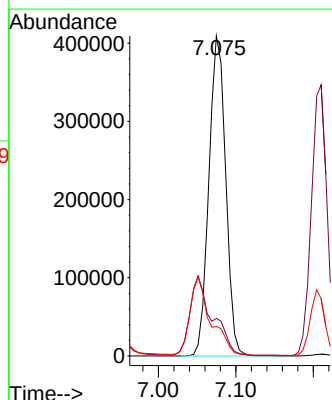
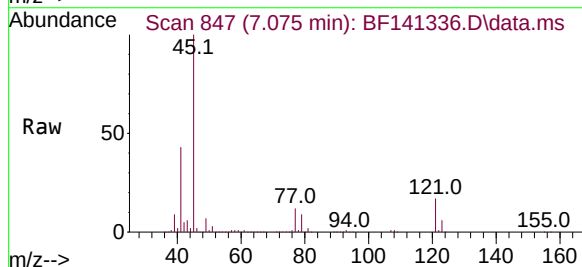
Tgt Ion: 45 Resp: 615868

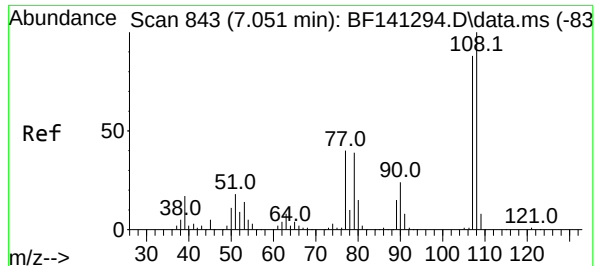
Ion Ratio Lower Upper

45 100

77 11.8 0.0 31.8

79 9.2 0.0 29.1

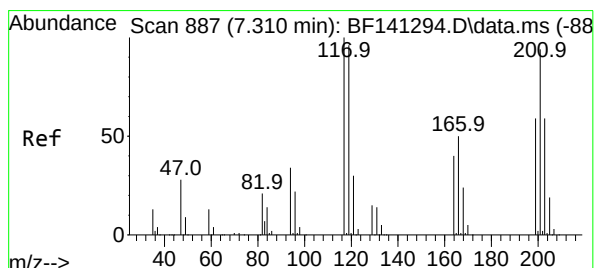
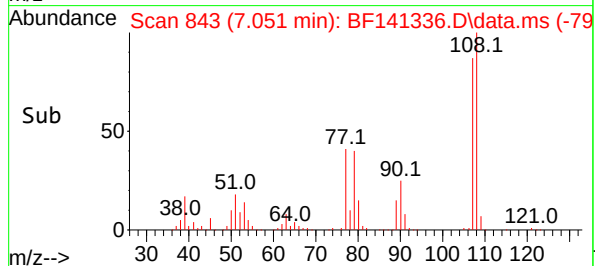
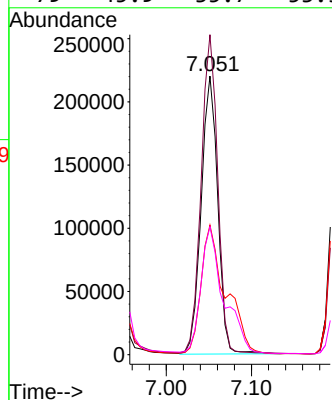
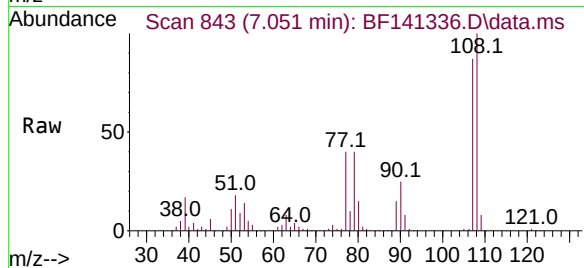




#17
2-Methylphenol
Concen: 37.434 ng
RT: 7.051 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

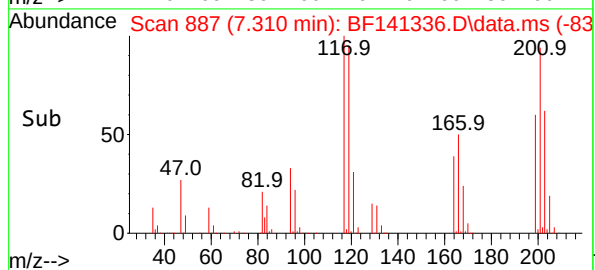
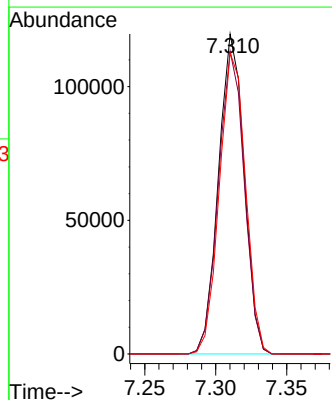
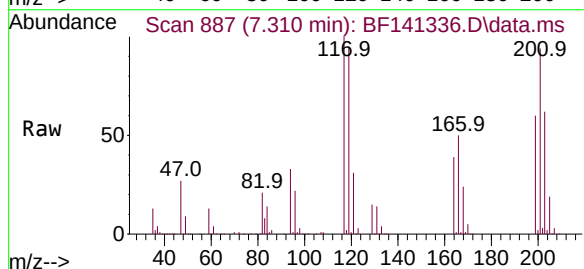
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

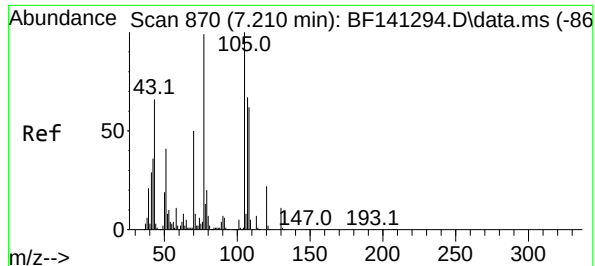
Tgt Ion:	107	Resp:	297446
Ion	Ratio	Lower	Upper
107	100		
108	114.9	90.8	136.2
77	46.5	36.2	54.4
79	45.9	35.7	53.5



#18
Hexachloroethane
Concen: 37.585 ng
RT: 7.310 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:	117	Resp:	150153
Ion	Ratio	Lower	Upper
117	100		
119	94.6	76.6	114.8
201	94.1	74.8	112.2





#19

n-Nitroso-di-n-propylamine

Concen: 38.424 ng

RT: 7.216 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 70 Resp: 264932

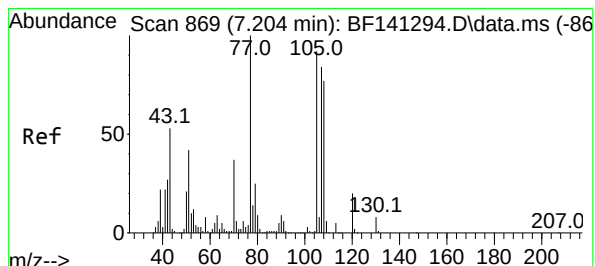
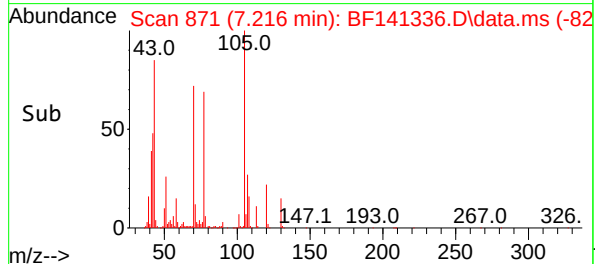
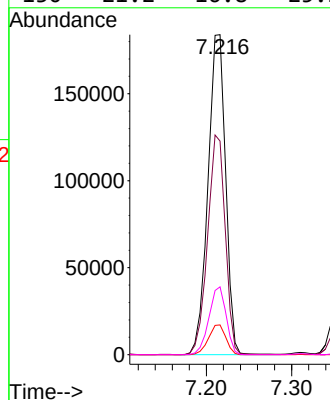
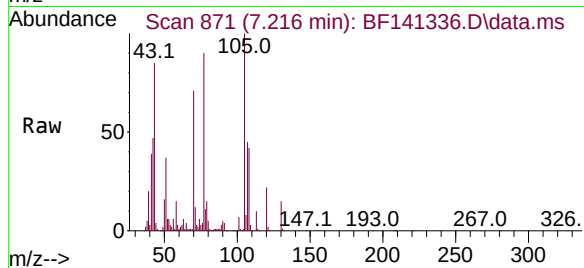
Ion Ratio Lower Upper

70 100

42 66.7 56.8 85.2

101 9.3 7.7 11.5

130 21.2 16.8 25.2



#20

3+4-Methylphenols

Concen: 37.845 ng

RT: 7.204 min Scan# 869

Delta R.T. -0.012 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Tgt Ion: 107 Resp: 369223

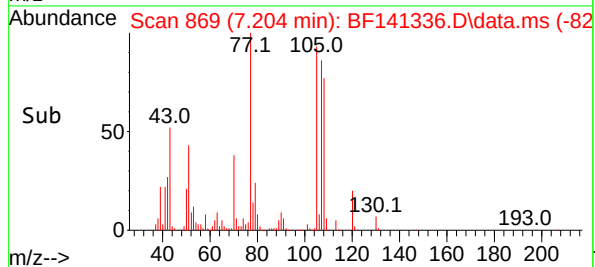
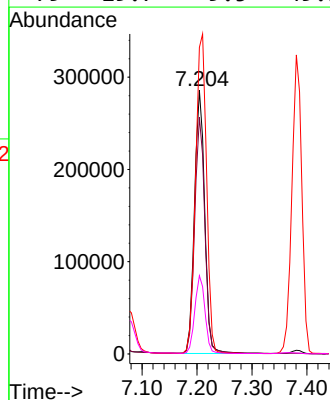
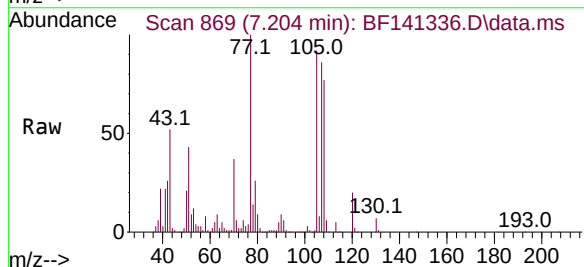
Ion Ratio Lower Upper

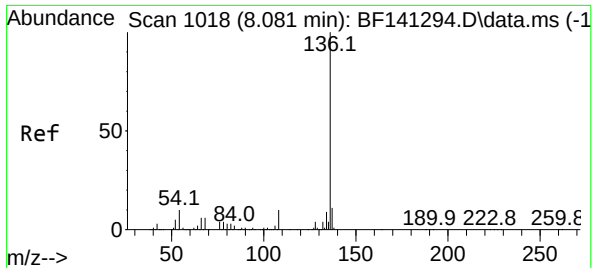
107 100

108 89.8 70.9 110.9

77 116.3 98.5 138.5

79 29.7 9.5 49.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.081 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141336.D

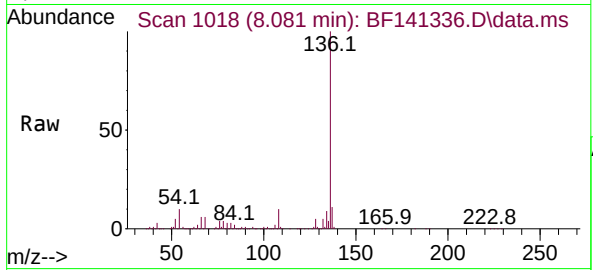
Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:136 Resp: 558386

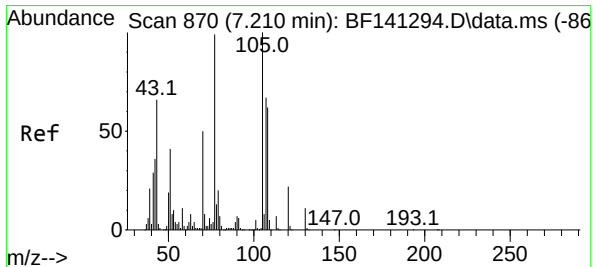
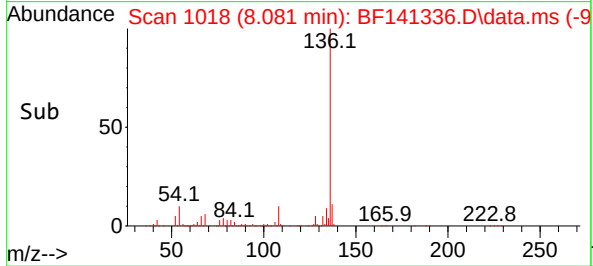
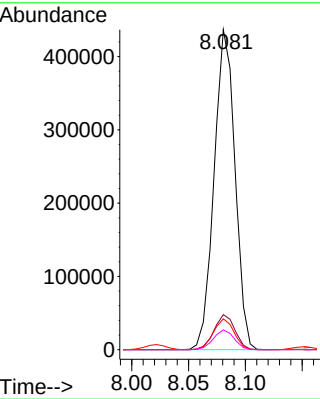
Ion Ratio Lower Upper

136 100

137 11.0 8.6 13.0

54 9.6 7.8 11.8

68 6.2 4.9 7.3



#22

Acetophenone

Concen: 35.678 ng

RT: 7.210 min Scan# 870

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Tgt Ion:105 Resp: 473548

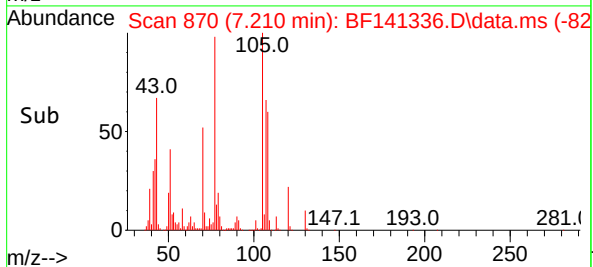
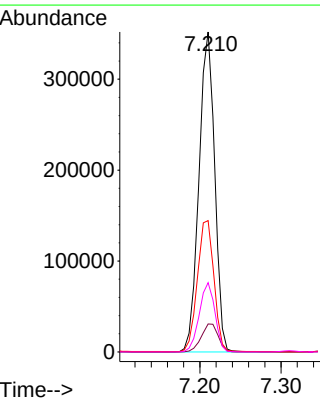
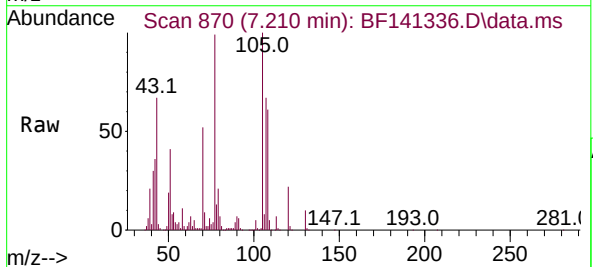
Ion Ratio Lower Upper

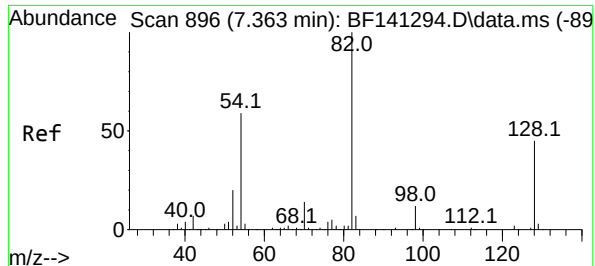
105 100

71 8.7 6.8 10.2

51 41.1 32.6 49.0

120 21.7 17.4 26.0





#23

Nitrobenzene-d5

Concen: 73.308 ng

RT: 7.363 min Scan# 896

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

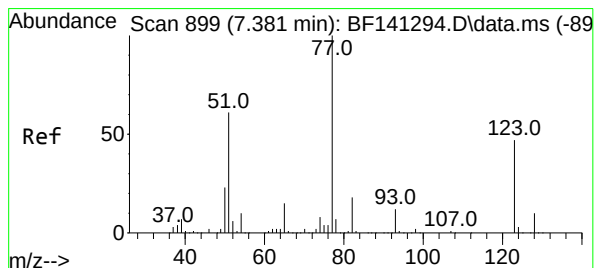
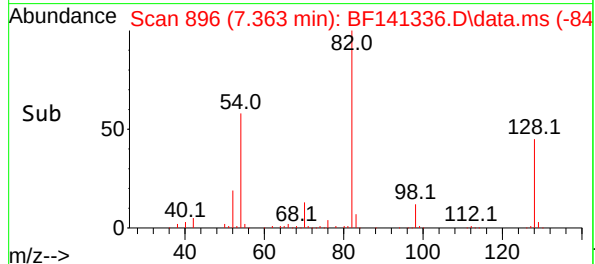
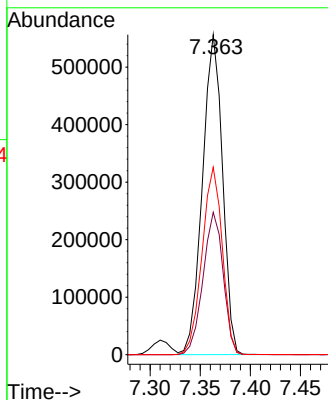
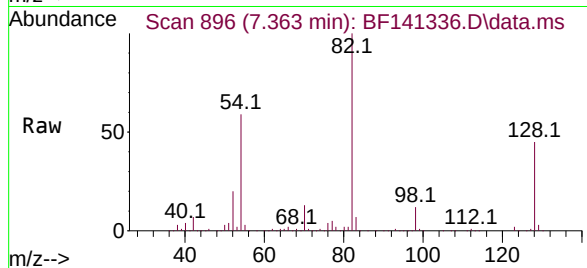
BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 82 Resp: 776494

Ion	Ratio	Lower	Upper
82	100		
128	44.5	35.7	53.5
54	58.5	47.1	70.7



#24

Nitrobenzene

Concen: 37.116 ng

RT: 7.381 min Scan# 899

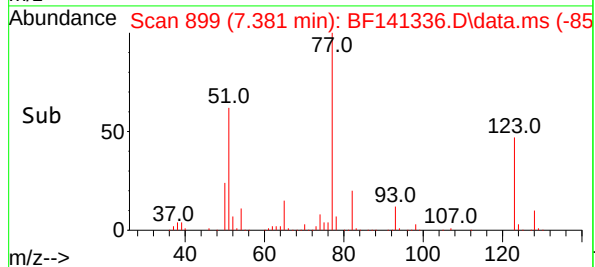
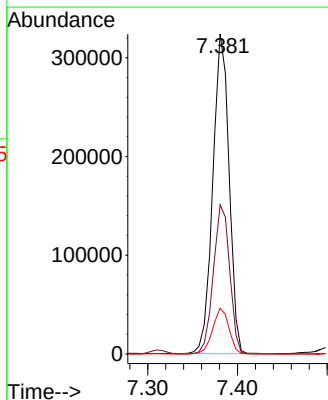
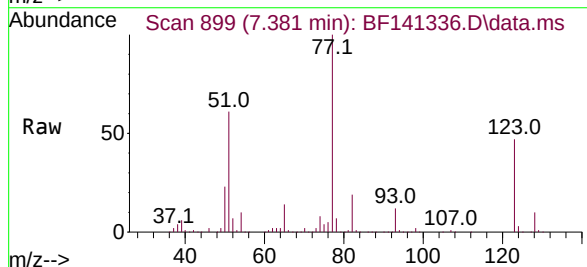
Delta R.T. -0.012 min

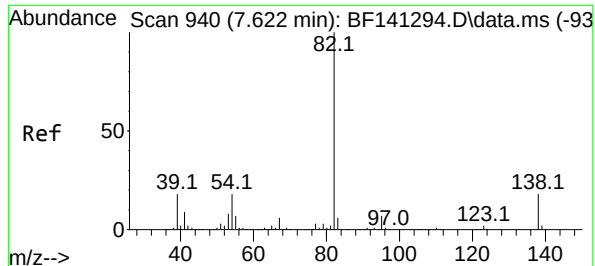
Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Tgt Ion: 77 Resp: 407415

Ion	Ratio	Lower	Upper
77	100		
123	46.6	37.3	55.9
65	14.3	11.8	17.6





#25

Isophorone

Concen: 37.934 ng

RT: 7.622 min Scan# 940

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

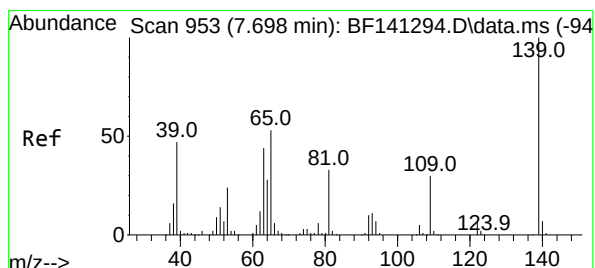
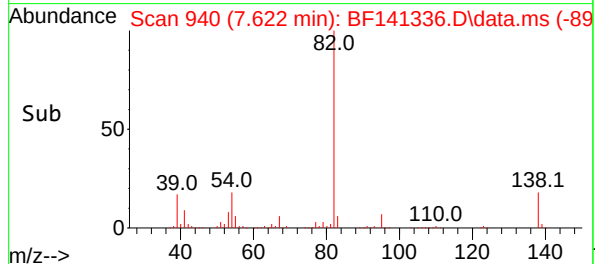
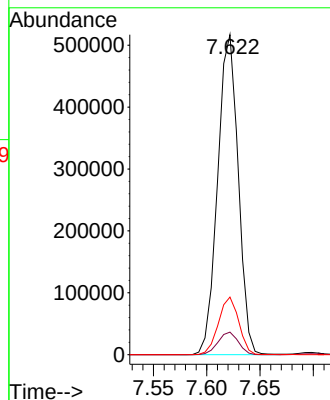
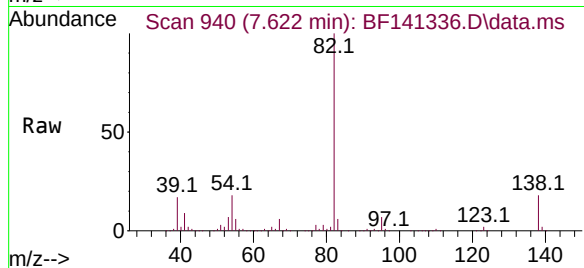
Tgt Ion: 82 Resp: 694555

Ion Ratio Lower Upper

82 100

95 7.0 5.8 8.6

138 18.0 14.7 22.1



#26

2-Nitrophenol

Concen: 37.762 ng

RT: 7.698 min Scan# 953

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

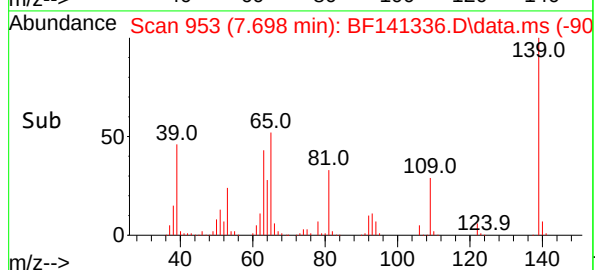
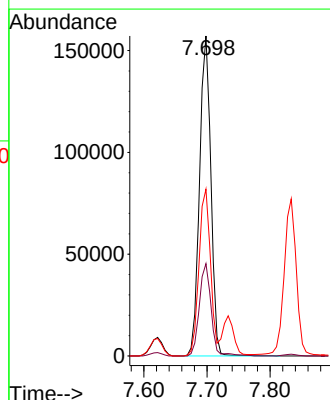
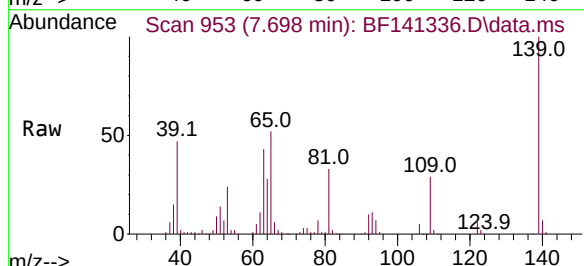
Tgt Ion: 139 Resp: 195489

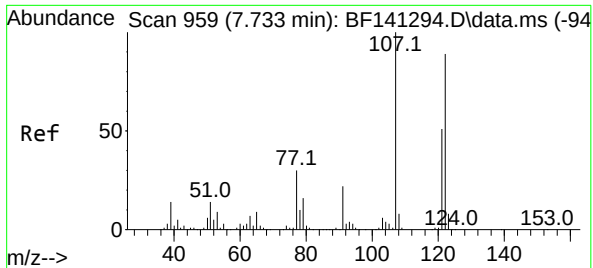
Ion Ratio Lower Upper

139 100

109 28.8 23.8 35.6

65 52.1 42.2 63.4





#27

2,4-Dimethylphenol

Concen: 37.999 ng

RT: 7.734 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

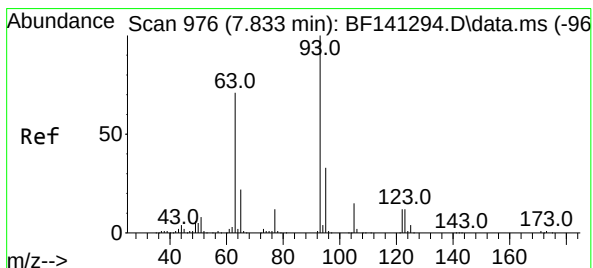
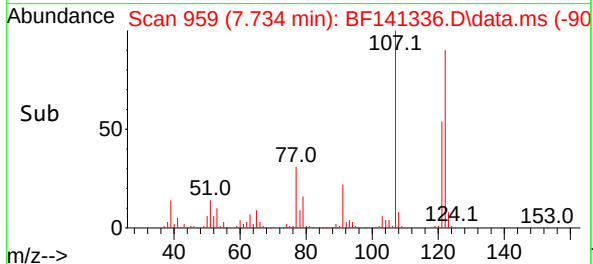
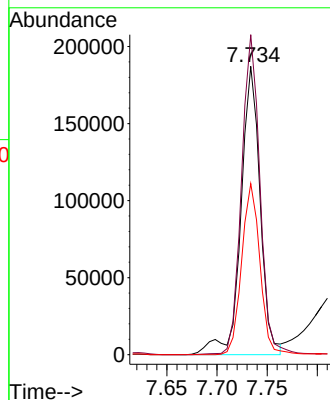
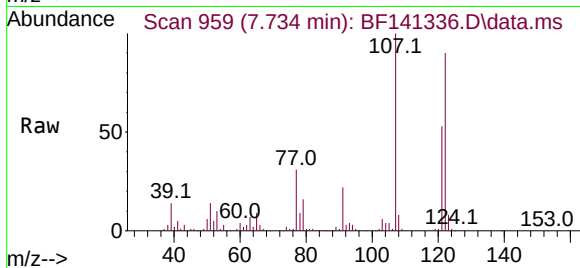
BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:122 Resp: 250385

Ion	Ratio	Lower	Upper
122	100		
107	111.0	89.9	134.9
121	59.4	46.1	69.1



#28

bis(2-Chloroethoxy)methane

Concen: 36.955 ng

RT: 7.834 min Scan# 976

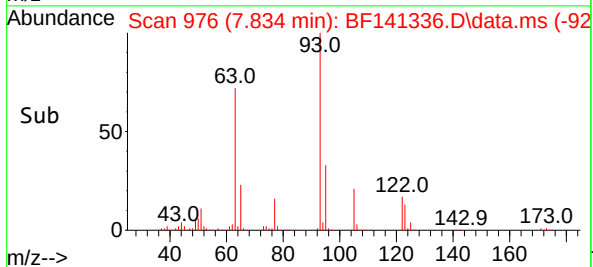
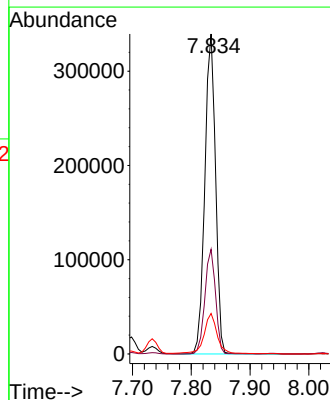
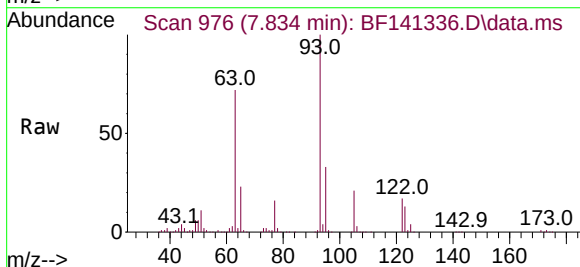
Delta R.T. -0.006 min

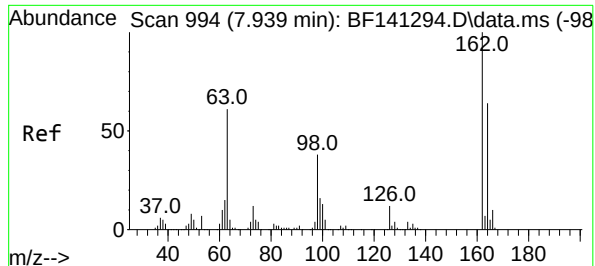
Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Tgt Ion: 93 Resp: 431598

Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.2	39.2
123	12.6	10.2	15.4





#29

2,4-Dichlorophenol

Concen: 37.608 ng

RT: 7.939 min Scan# 994

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

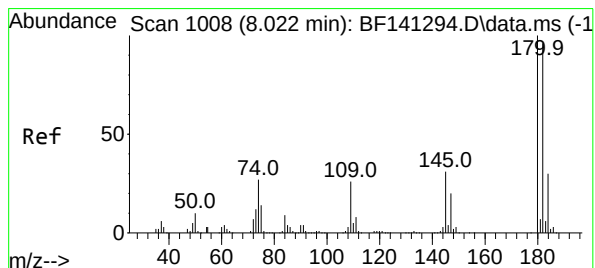
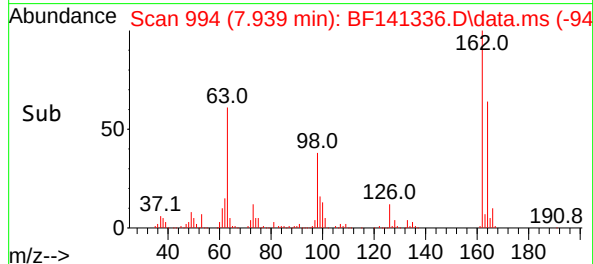
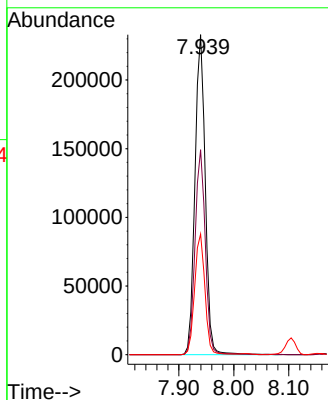
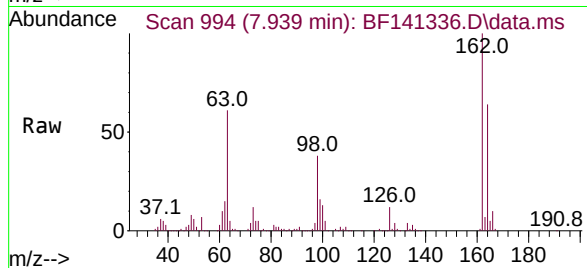
Tgt Ion:162 Resp: 303375

Ion Ratio Lower Upper

162 100

164 64.1 44.2 84.2

98 37.7 18.2 58.2



#30

1,2,4-Trichlorobenzene

Concen: 36.214 ng

RT: 8.022 min Scan# 1008

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

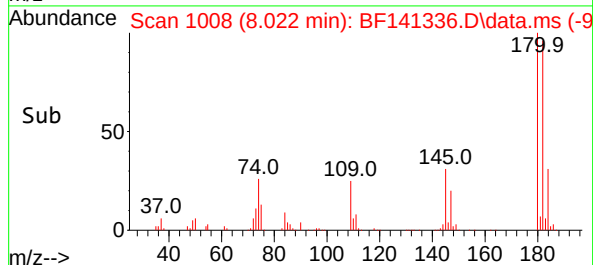
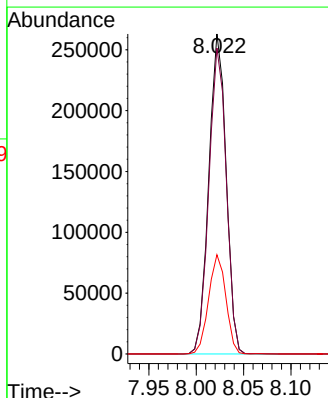
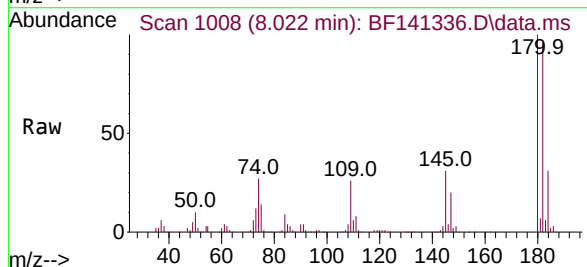
Tgt Ion:180 Resp: 333619

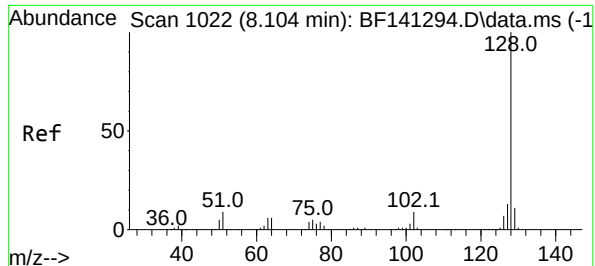
Ion Ratio Lower Upper

180 100

182 95.6 76.4 114.6

145 31.0 24.9 37.3





#31

Naphthalene

Concen: 36.561 ng

RT: 8.104 min Scan# 1022

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

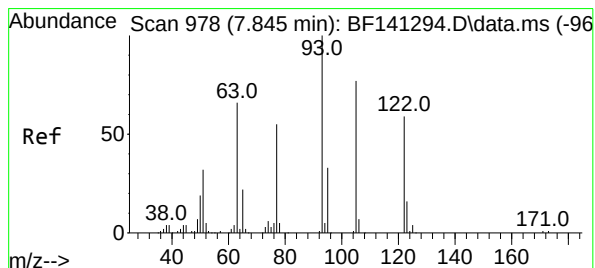
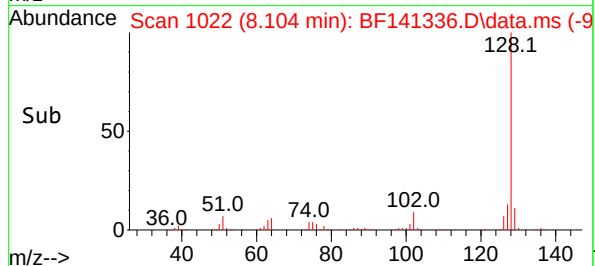
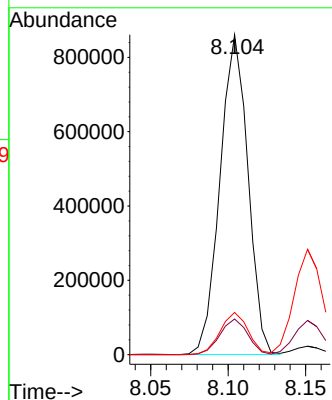
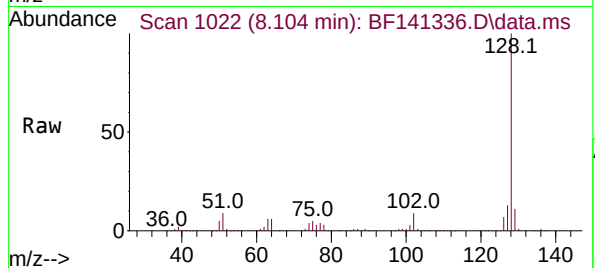
Tgt Ion:128 Resp: 1078465

Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

127 13.2 10.6 15.8



#32

Benzoic acid

Concen: 41.698 ng

RT: 7.845 min Scan# 978

Delta R.T. -0.035 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

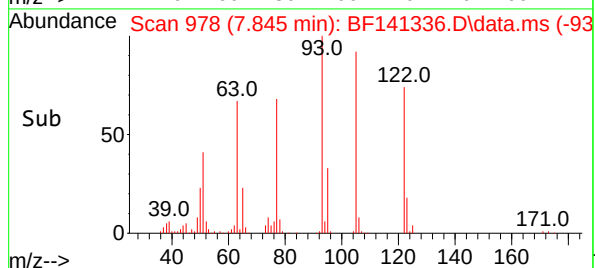
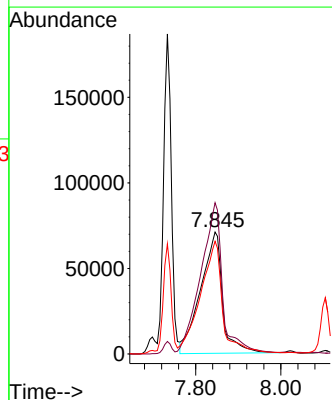
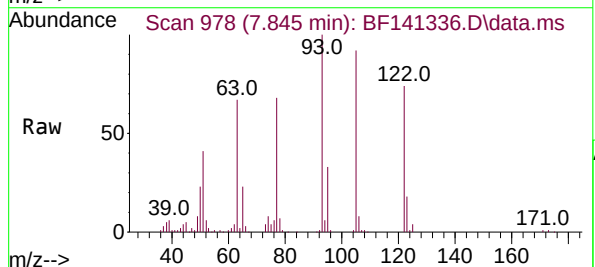
Tgt Ion:122 Resp: 252577

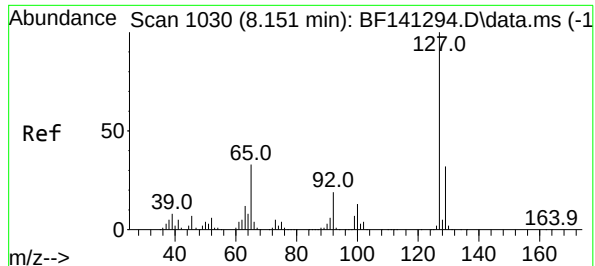
Ion Ratio Lower Upper

122 100

105 124.1 103.4 143.4

77 92.4 70.9 110.9





#33

4-Chloroaniline

Concen: 36.719 ng

RT: 8.151 min Scan# 1030

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:127 Resp: 367291

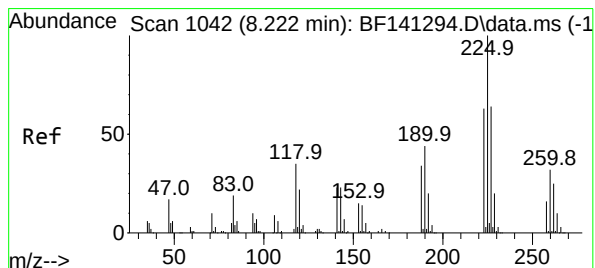
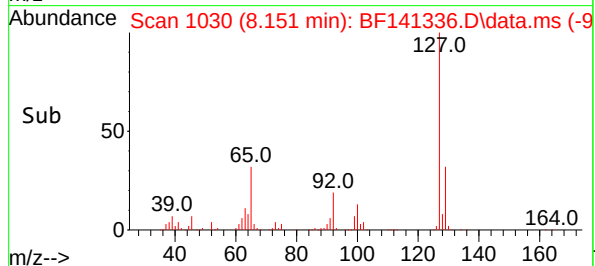
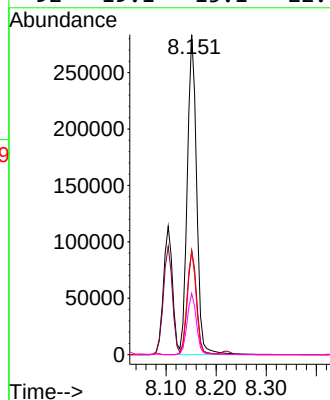
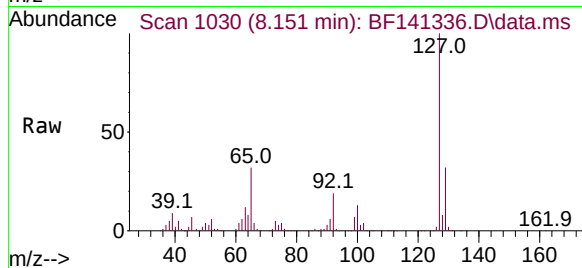
Ion Ratio Lower Upper

127 100

129 32.5 25.7 38.5

65 32.4 26.4 39.6

92 19.1 15.1 22.7



#34

Hexachlorobutadiene

Concen: 37.021 ng

RT: 8.222 min Scan# 1042

Delta R.T. -0.000 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

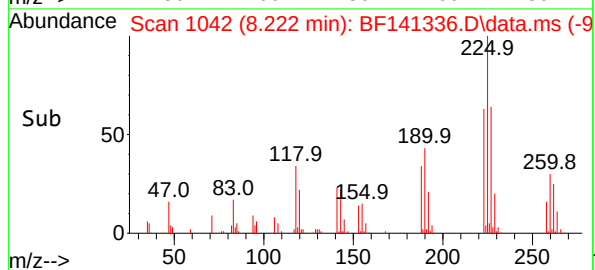
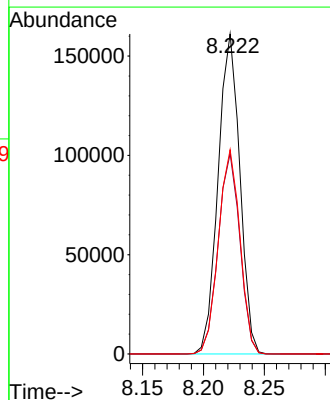
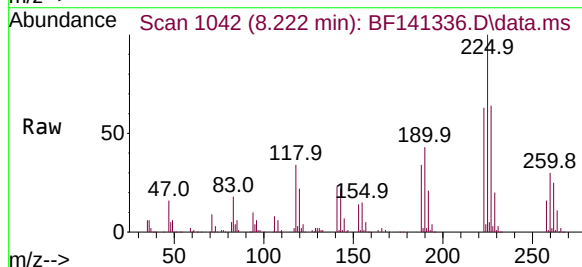
Tgt Ion:225 Resp: 200005

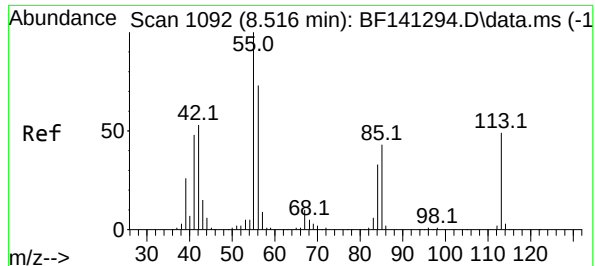
Ion Ratio Lower Upper

225 100

223 62.6 50.4 75.6

227 63.9 51.3 76.9

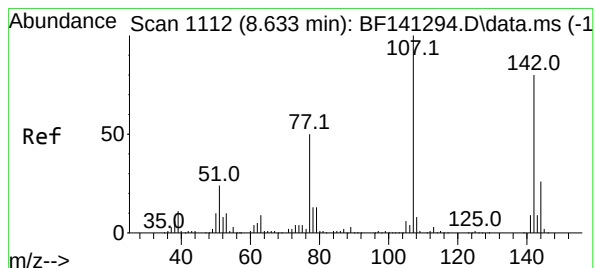
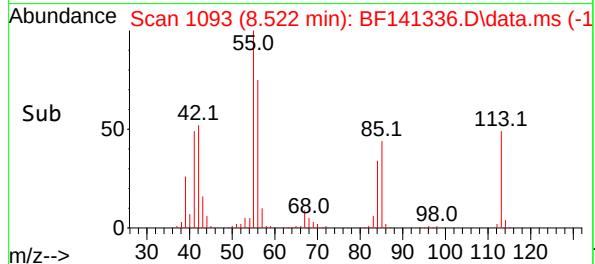
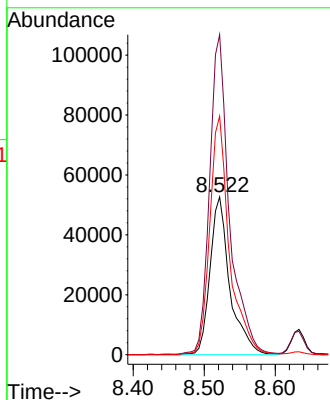
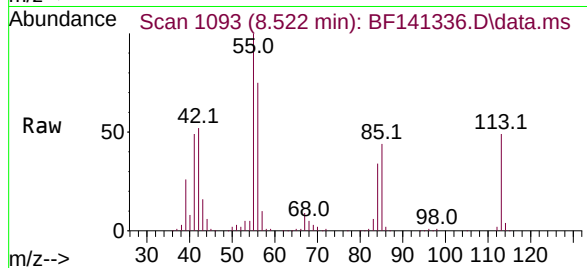




#35
Caprolactam
Concen: 38.705 ng
RT: 8.522 min Scan# 1093
Delta R.T. -0.024 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

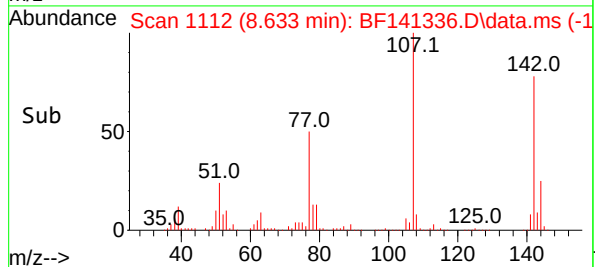
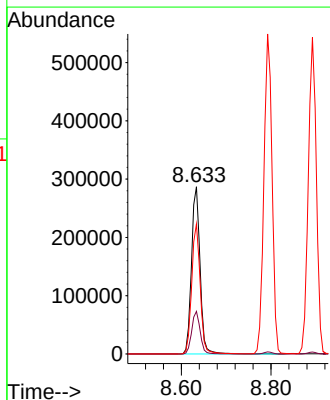
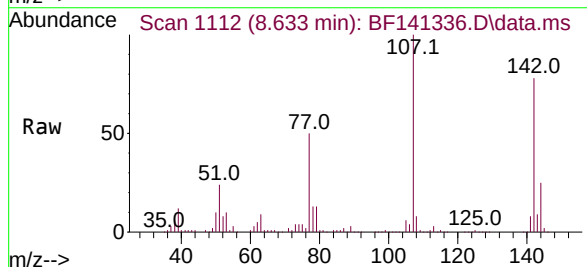
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

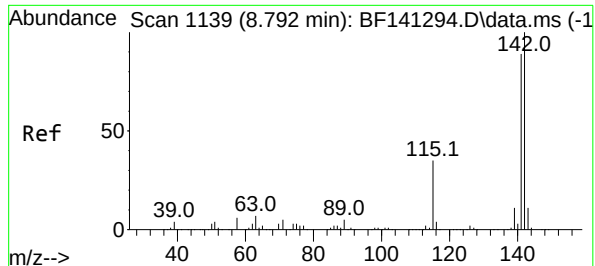
Tgt Ion:113 Resp: 101967
Ion Ratio Lower Upper
113 100
55 202.8 182.9 222.9
56 151.1 127.9 167.9



#36
4-Chloro-3-methylphenol
Concen: 43.991 ng
RT: 8.633 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:107 Resp: 380639
Ion Ratio Lower Upper
107 100
144 25.5 20.7 31.1
142 77.7 63.8 95.8





#37

2-Methylnaphthalene

Concen: 36.818 ng

RT: 8.792 min Scan# 1139

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

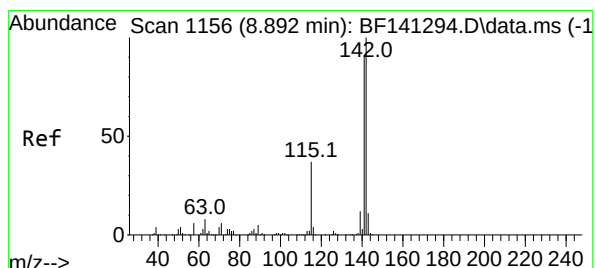
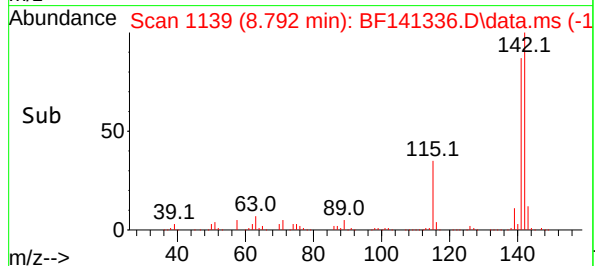
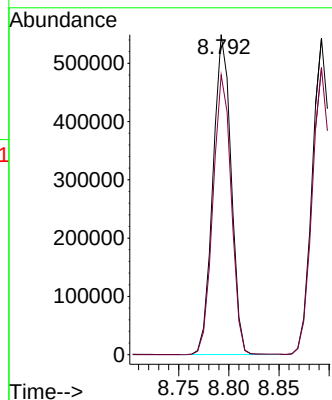
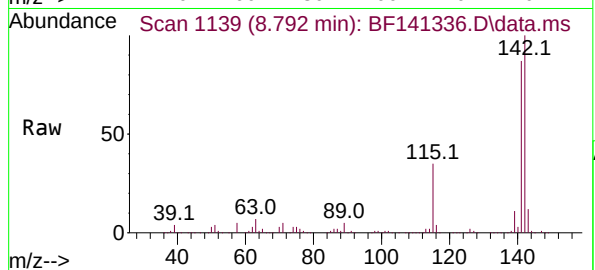
SSTDCCC040

Tgt Ion:142 Resp: 690288

Ion Ratio Lower Upper

142 100

141 87.4 71.3 106.9



#38

1-Methylnaphthalene

Concen: 36.681 ng

RT: 8.892 min Scan# 1156

Delta R.T. -0.006 min

Lab File: BF141336.D

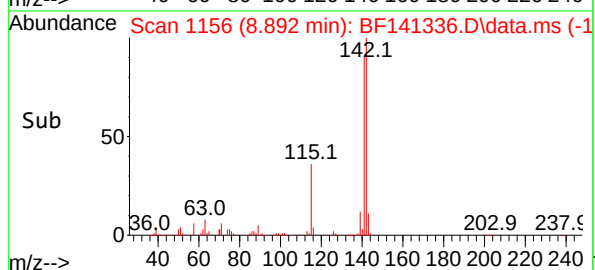
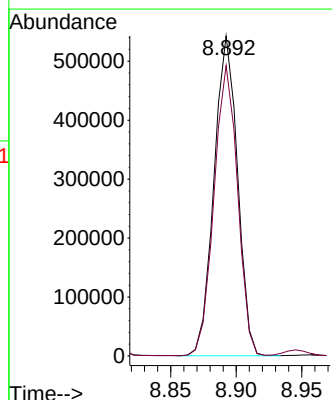
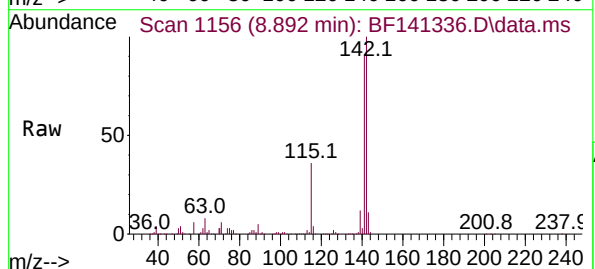
Acq: 31 Jan 2025 17:19

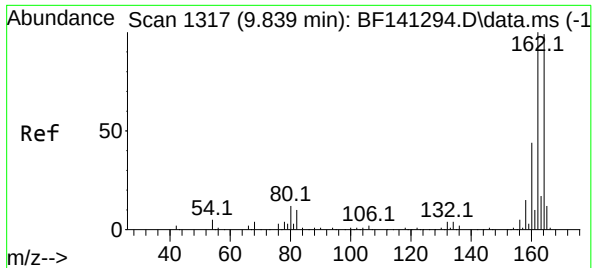
Tgt Ion:142 Resp: 675547

Ion Ratio Lower Upper

142 100

141 90.7 73.2 109.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.839 min Scan# 1167

Delta R.T. -0.000 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

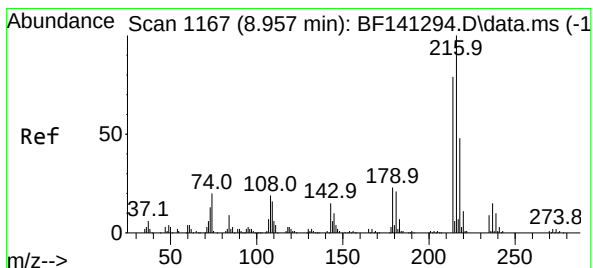
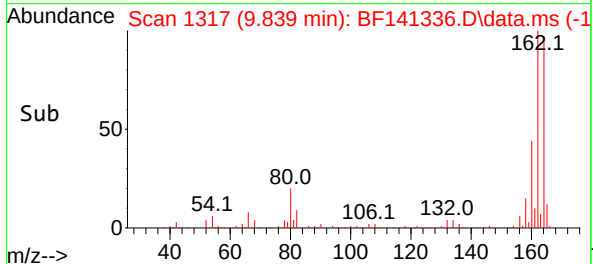
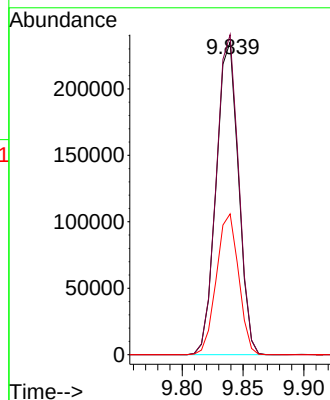
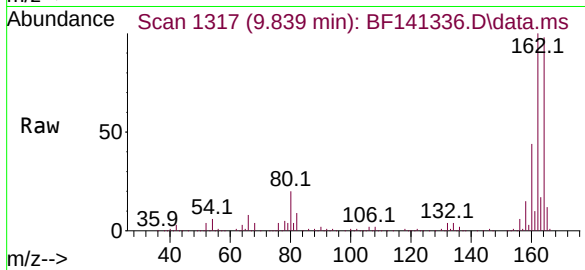
Tgt Ion:164 Resp: 299701

Ion Ratio Lower Upper

164 100

162 102.4 80.6 121.0

160 45.0 35.8 53.6



#40

1,2,4,5-Tetrachlorobenzene

Concen: 36.224 ng

RT: 8.957 min Scan# 1167

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Tgt Ion:216 Resp: 308854

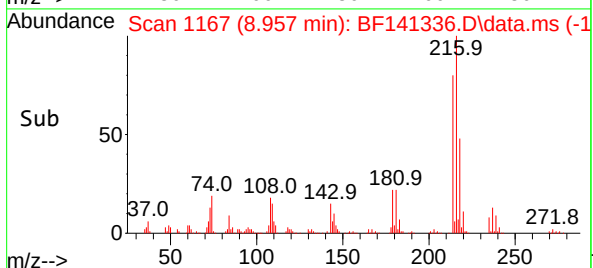
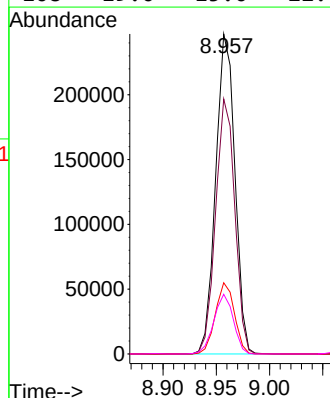
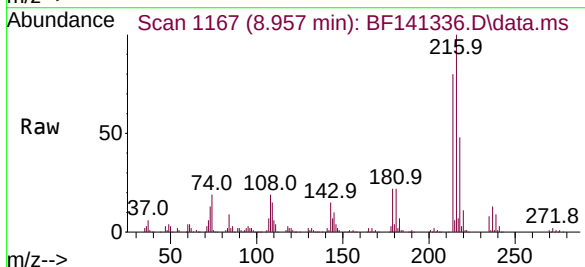
Ion Ratio Lower Upper

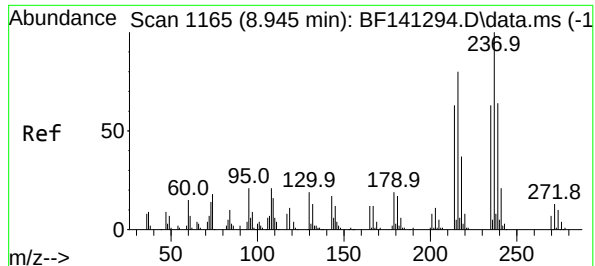
216 100

214 79.6 63.2 94.8

179 22.0 17.8 26.8

108 19.0 15.0 22.6





#41

Hexachlorocyclopentadiene

Concen: 37.949 ng

RT: 8.945 min Scan# 1165

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

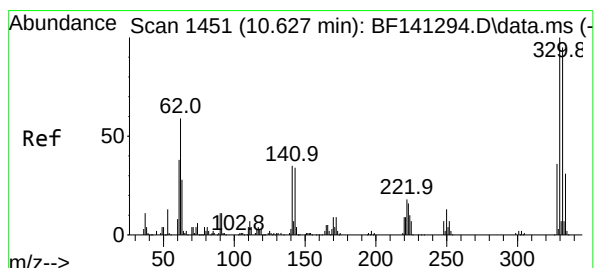
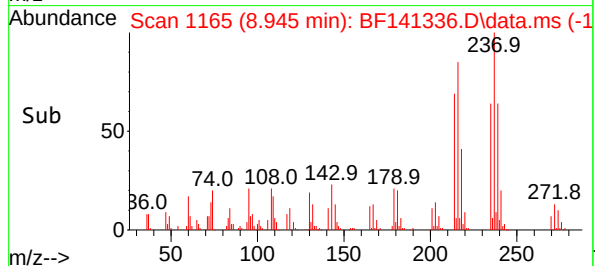
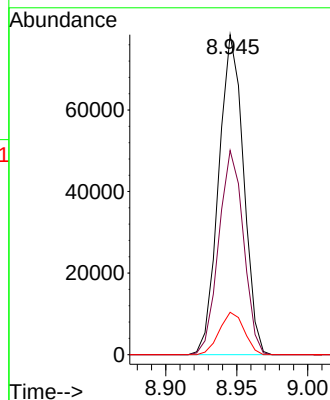
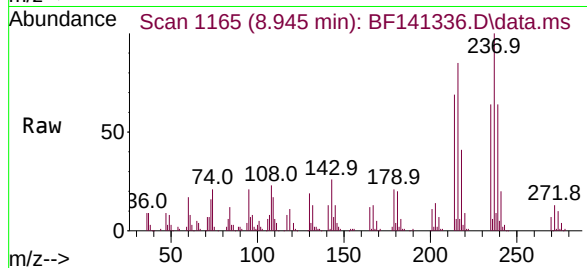
Tgt Ion:237 Resp: 95556

Ion Ratio Lower Upper

237 100

235 63.8 42.9 82.9

272 13.2 0.0 32.8



#42

2,4,6-Tribromophenol

Concen: 77.122 ng

RT: 10.628 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

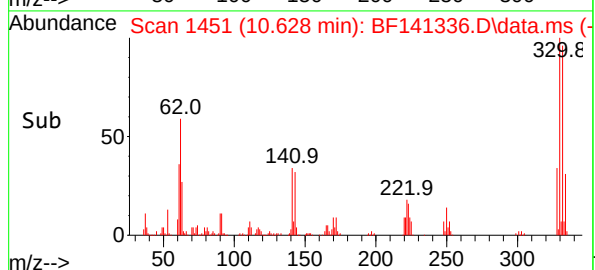
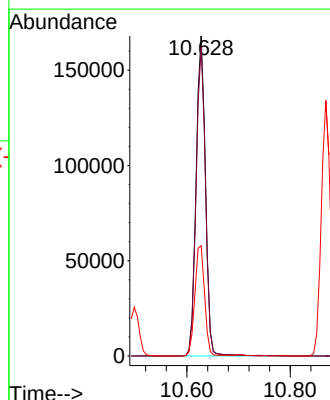
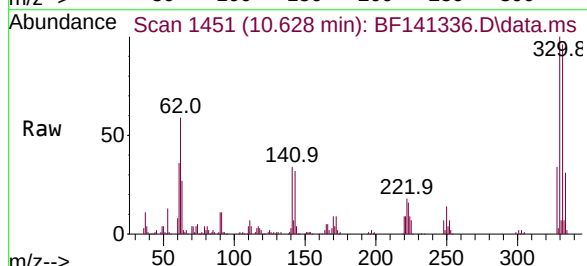
Tgt Ion:330 Resp: 211897

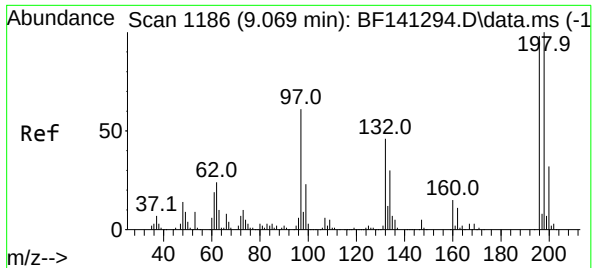
Ion Ratio Lower Upper

330 100

332 95.8 76.1 114.1

141 35.9 28.8 43.2





#43

2,4,6-Trichlorophenol

Concen: 39.199 ng

RT: 9.069 min Scan# 1186

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

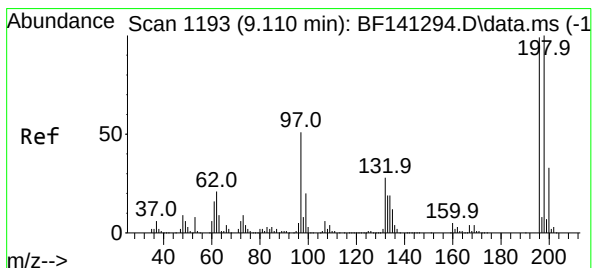
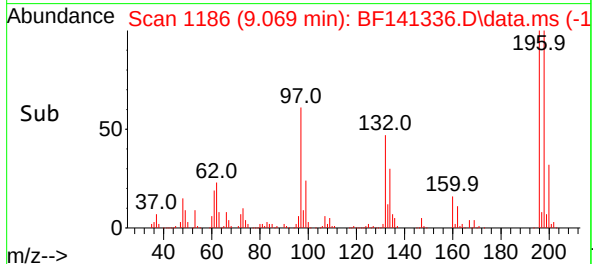
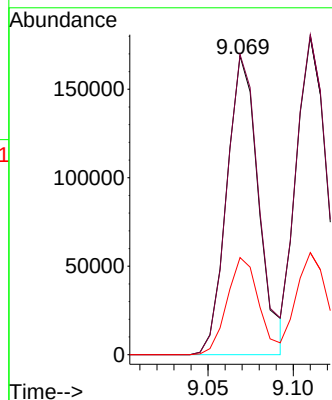
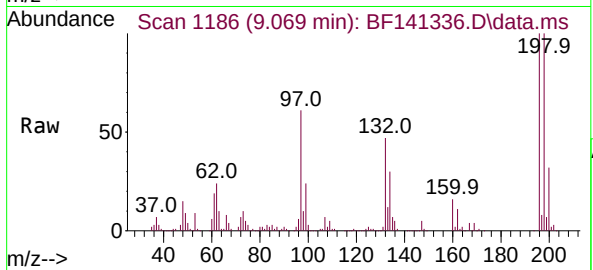
Tgt Ion:196 Resp: 218757

Ion Ratio Lower Upper

196 100

198 100.5 81.8 122.6

200 32.5 26.3 39.5



#44

2,4,5-Trichlorophenol

Concen: 37.608 ng

RT: 9.110 min Scan# 1193

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Tgt Ion:196 Resp: 228427

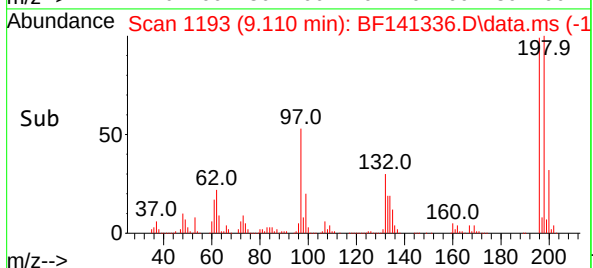
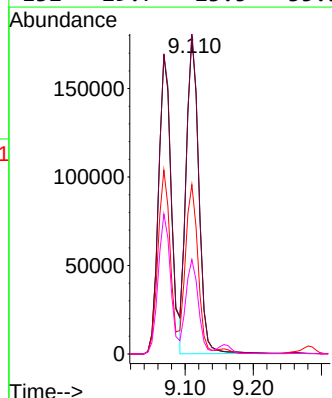
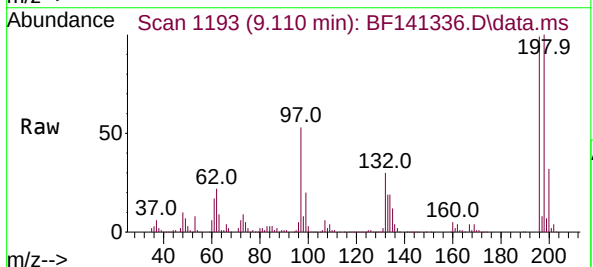
Ion Ratio Lower Upper

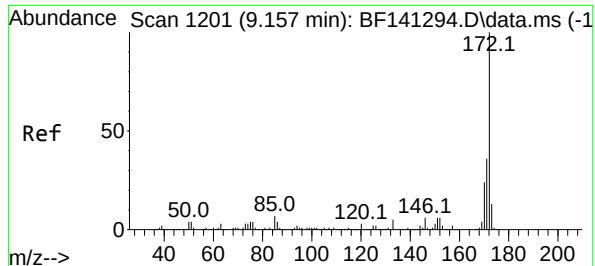
196 100

198 100.7 80.5 120.7

97 53.3 42.8 64.2

132 29.7 23.5 35.3





#45

2-Fluorobiphenyl

Concen: 70.690 ng

RT: 9.157 min Scan# 1201

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

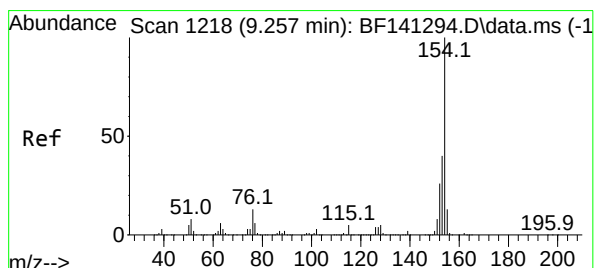
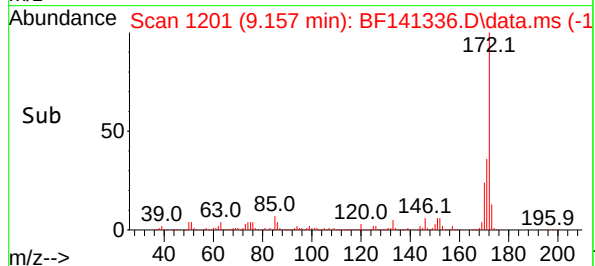
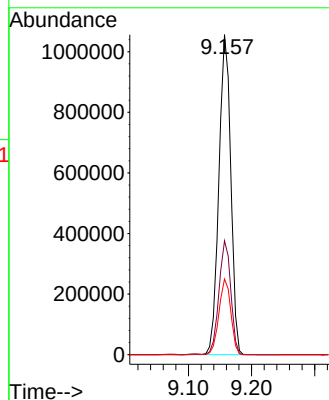
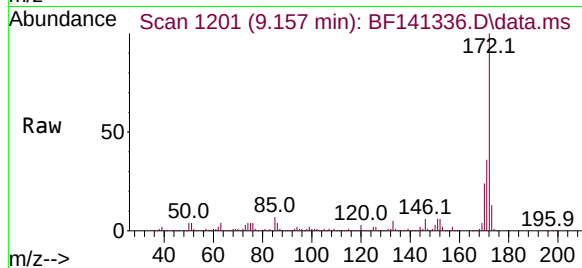
Tgt Ion:172 Resp: 1376427

Ion Ratio Lower Upper

172 100

171 35.6 28.8 43.2

170 23.7 19.0 28.6



#46

1,1'-Biphenyl

Concen: 36.585 ng

RT: 9.257 min Scan# 1218

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

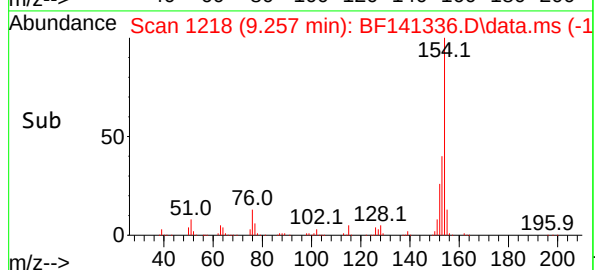
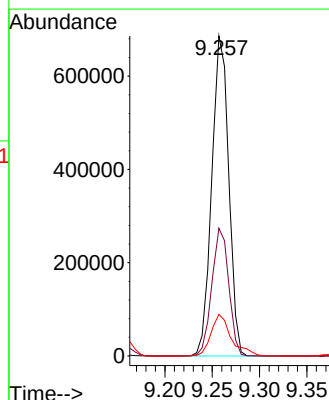
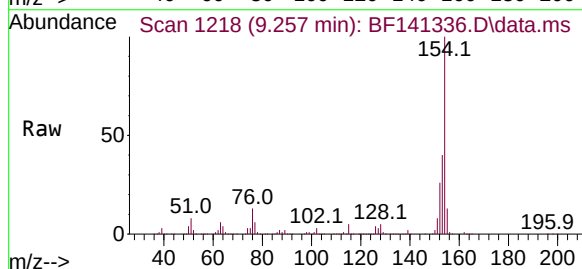
Tgt Ion:154 Resp: 855111

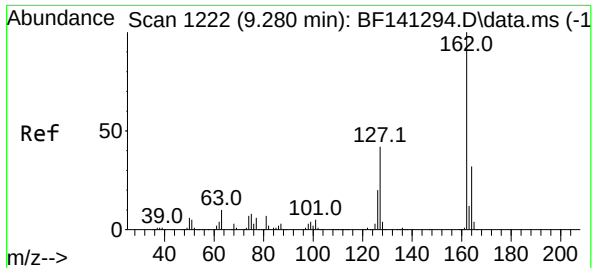
Ion Ratio Lower Upper

154 100

153 39.9 20.0 60.0

76 13.0 0.0 32.8





#47

2-Chloronaphthalene

Concen: 36.251 ng

RT: 9.281 min Scan# 1222

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

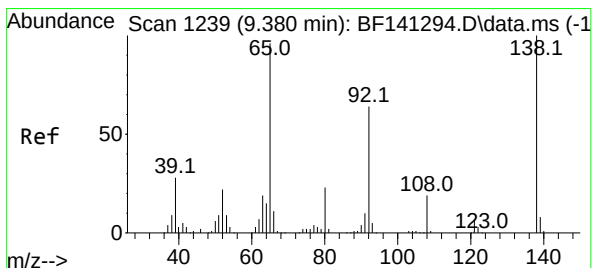
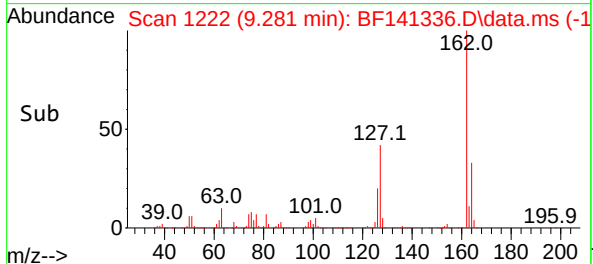
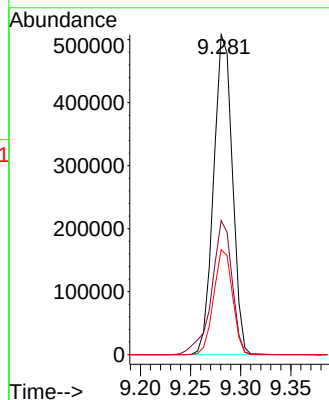
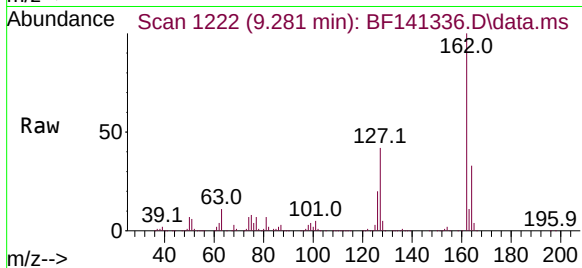
Tgt Ion:162 Resp: 660426

Ion Ratio Lower Upper

162 100

127 41.9 33.7 50.5

164 32.8 25.9 38.9



#48

2-Nitroaniline

Concen: 38.330 ng

RT: 9.381 min Scan# 1239

Delta R.T. -0.000 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

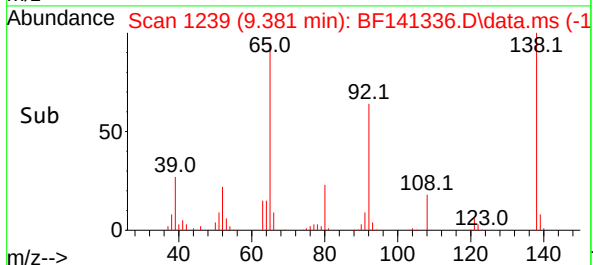
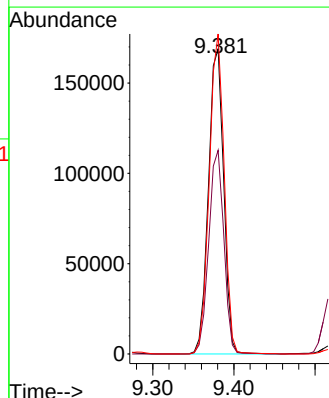
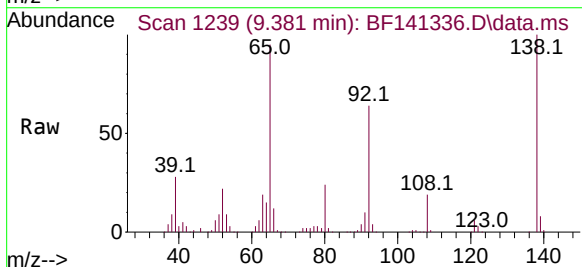
Tgt Ion: 65 Resp: 219643

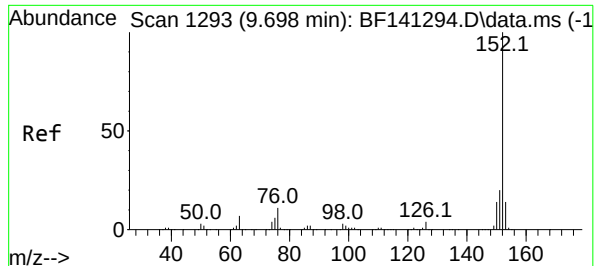
Ion Ratio Lower Upper

65 100

92 66.8 53.3 79.9

138 104.9 83.6 125.4





#49

Acenaphthylene

Concen: 37.073 ng

RT: 9.698 min Scan# 1293

Delta R.T. -0.006 min

Lab File: BF141336.D

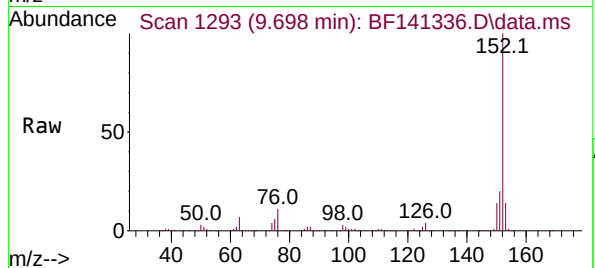
Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



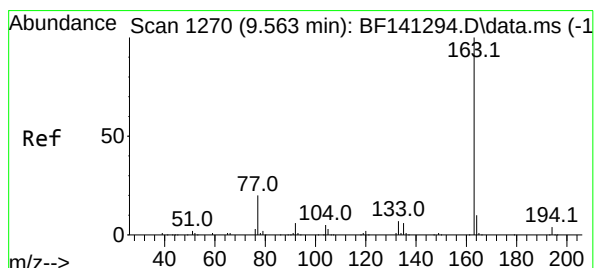
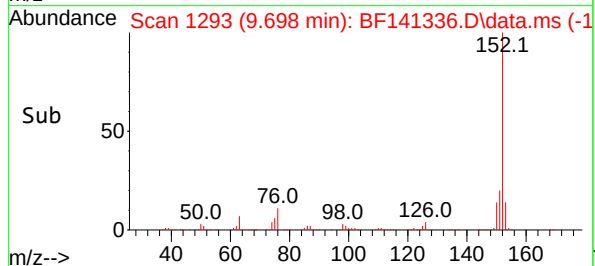
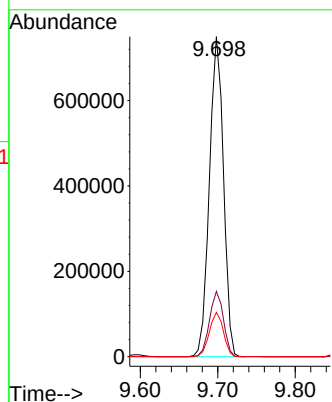
Tgt Ion:152 Resp: 945423

Ion Ratio Lower Upper

152 100

151 20.4 16.2 24.2

153 13.9 11.0 16.6



#50

Dimethylphthalate

Concen: 38.200 ng

RT: 9.563 min Scan# 1270

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

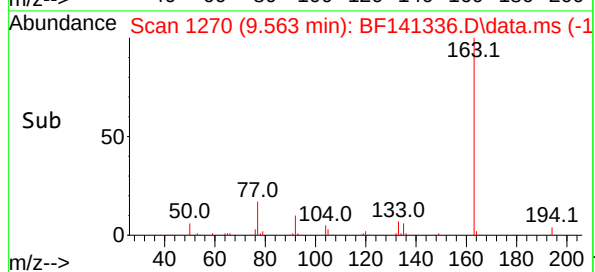
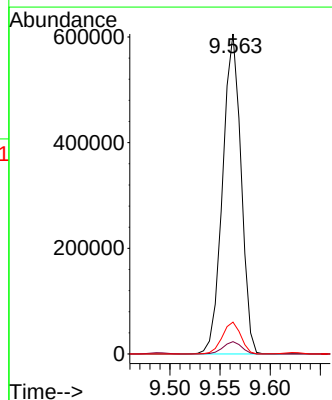
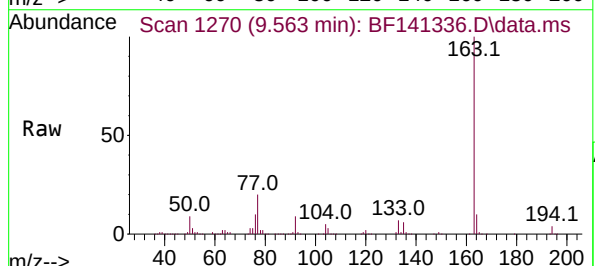
Tgt Ion:163 Resp: 773243

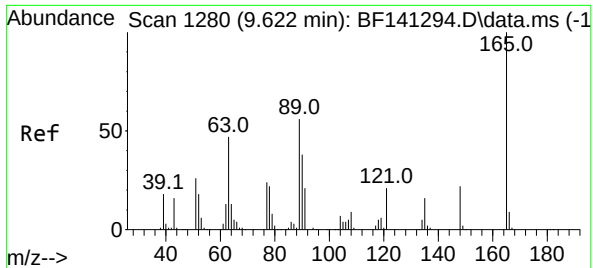
Ion Ratio Lower Upper

163 100

194 3.9 3.0 4.6

164 9.9 8.0 12.0





#51

2,6-Dinitrotoluene

Concen: 38.268 ng

RT: 9.622 min Scan# 1280

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

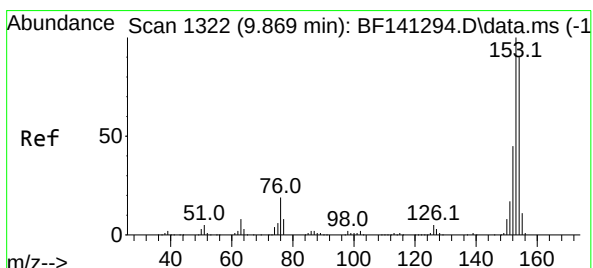
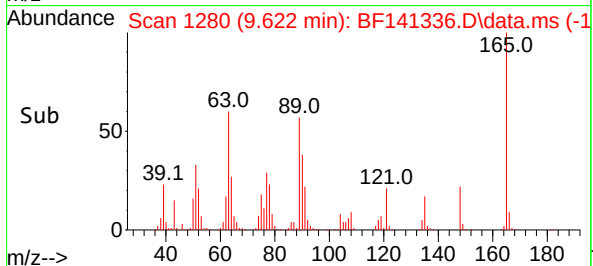
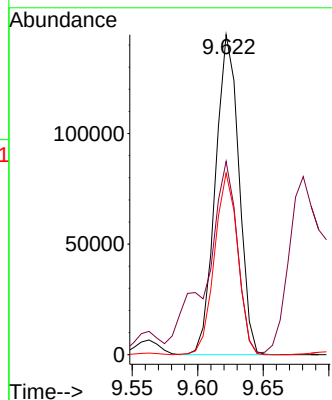
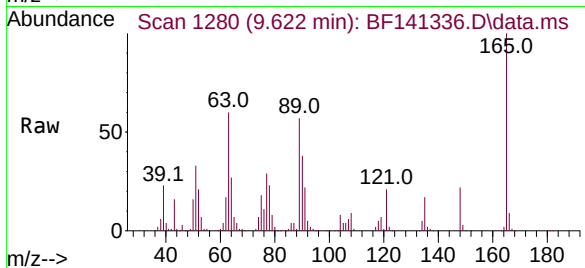
Tgt Ion:165 Resp: 179857

Ion Ratio Lower Upper

165 100

63 60.4 48.1 72.1

89 56.7 44.9 67.3



#52

Acenaphthene

Concen: 37.066 ng

RT: 9.869 min Scan# 1322

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

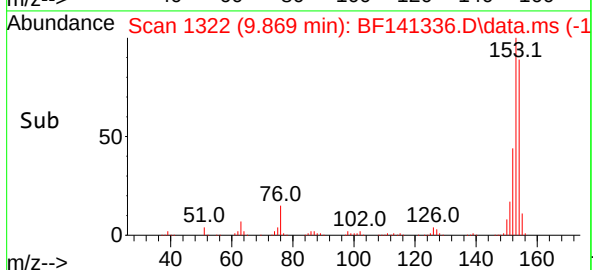
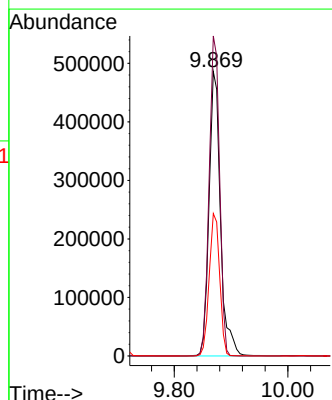
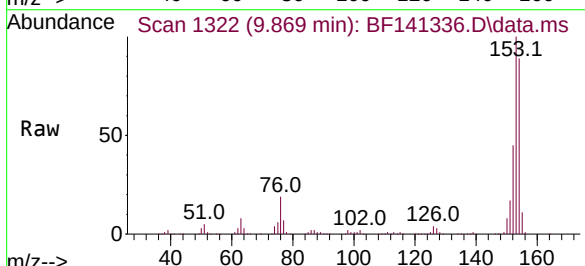
Tgt Ion:154 Resp: 675302

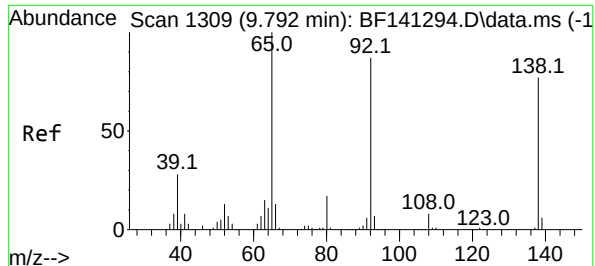
Ion Ratio Lower Upper

154 100

153 112.5 89.0 133.4

152 50.1 40.2 60.4





#53

3-Nitroaniline

Concen: 37.936 ng

RT: 9.792 min Scan# 1309

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

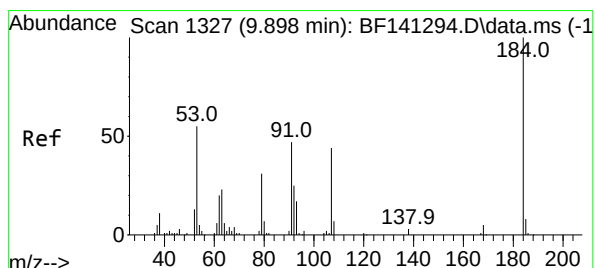
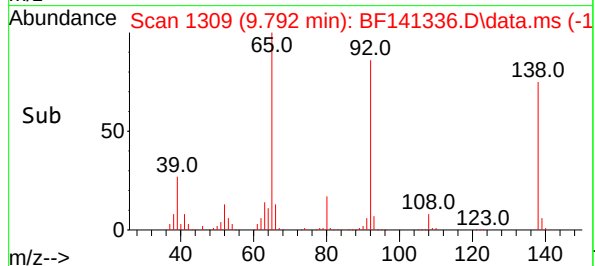
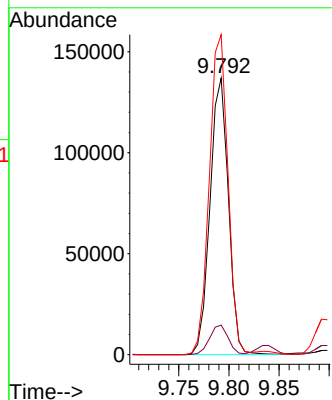
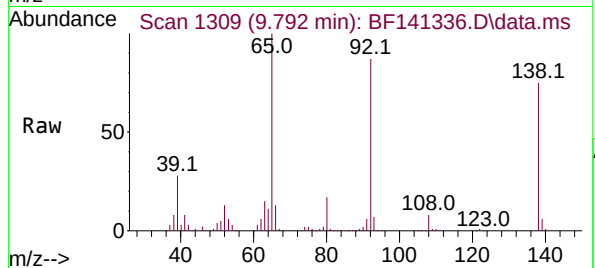
Tgt Ion:138 Resp: 174746

Ion Ratio Lower Upper

138 100

108 10.7 8.6 12.8

92 115.7 91.0 136.6



#54

2,4-Dinitrophenol

Concen: 41.270 ng

RT: 9.898 min Scan# 1327

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

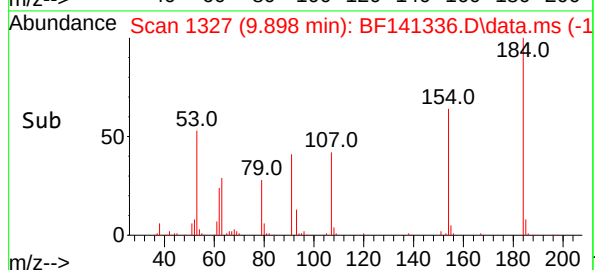
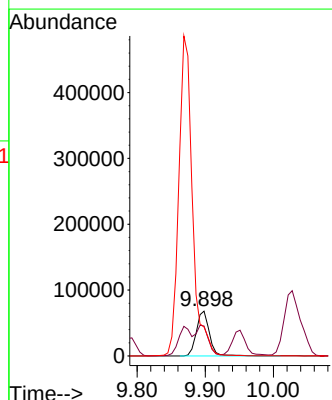
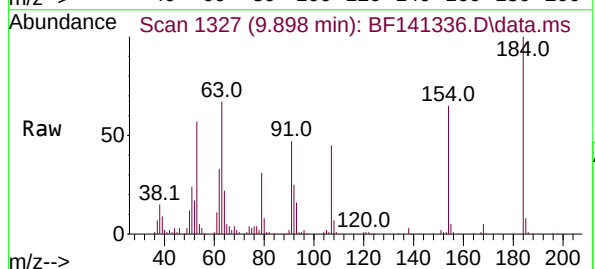
Tgt Ion:184 Resp: 90166

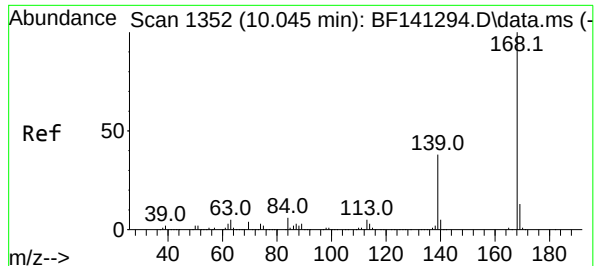
Ion Ratio Lower Upper

184 100

63 66.5 54.1 81.1

154 64.7 50.7 76.1





#55

Dibenzenofuran

Concen: 36.395 ng

RT: 10.045 min Scan# 1352

Delta R.T. -0.000 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

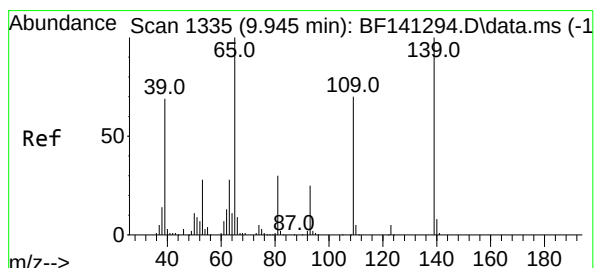
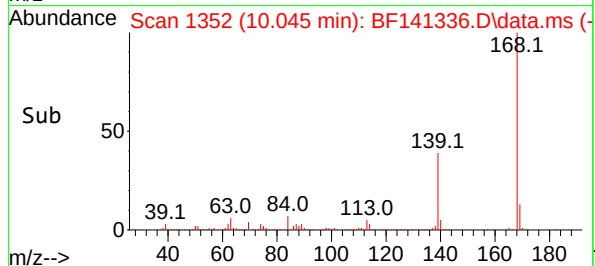
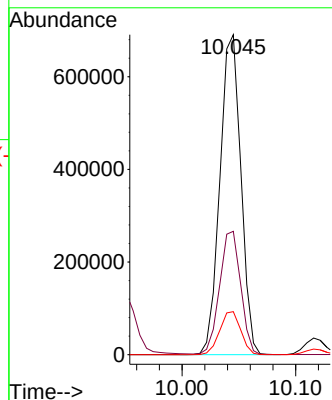
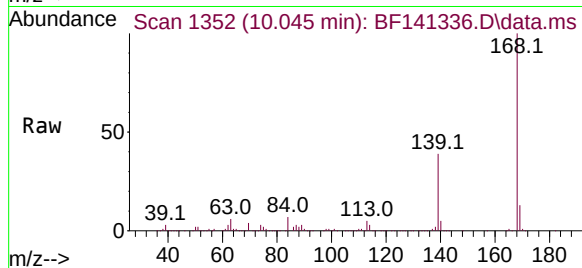
Tgt Ion:168 Resp: 887550

Ion Ratio Lower Upper

168 100

139 38.5 30.6 46.0

169 13.4 10.8 16.2



#56

4-Nitrophenol

Concen: 53.378 ng

RT: 9.951 min Scan# 1336

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

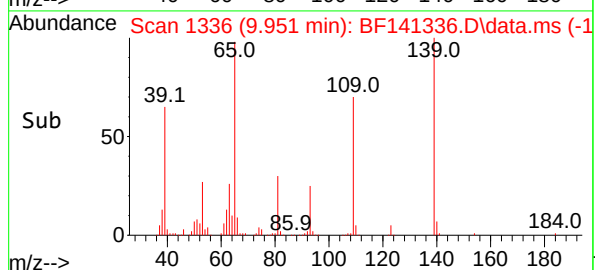
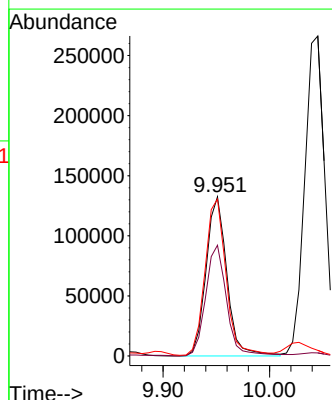
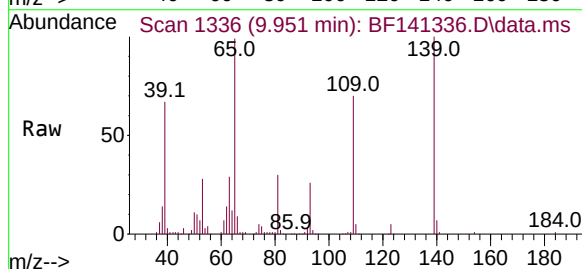
Tgt Ion:139 Resp: 179822

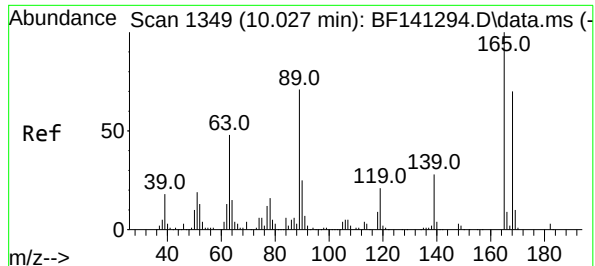
Ion Ratio Lower Upper

139 100

109 69.6 50.2 90.2

65 98.6 80.6 120.6

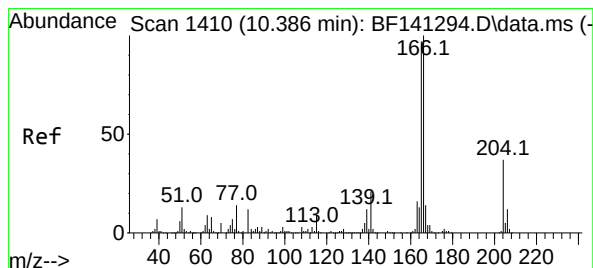
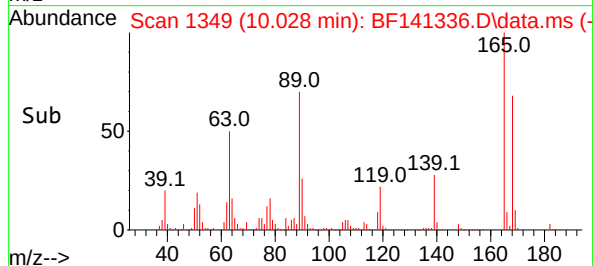
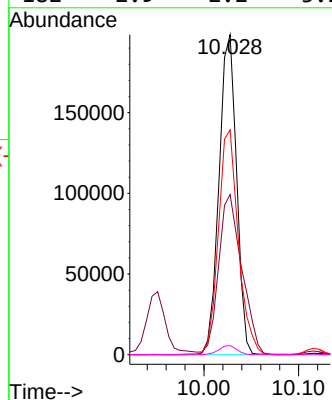
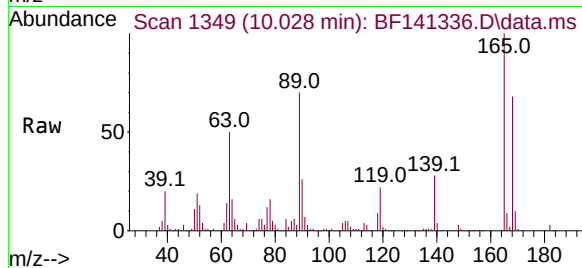




#57
2,4-Dinitrotoluene
Concen: 42.014 ng
RT: 10.028 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

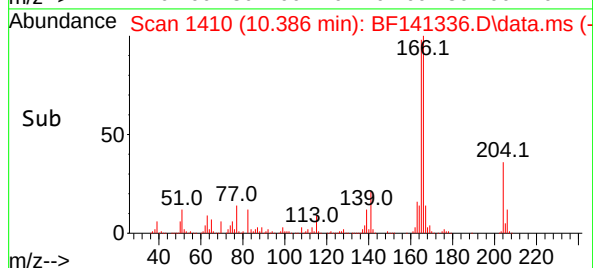
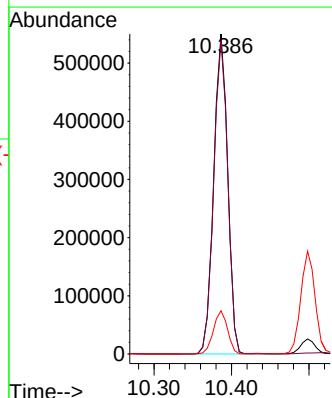
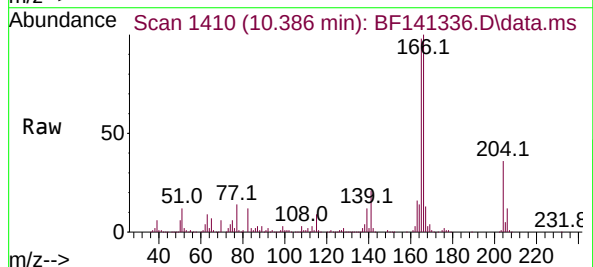
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

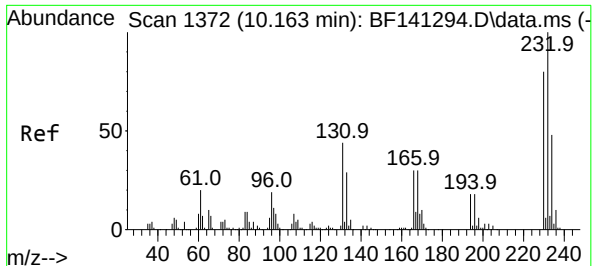
Tgt Ion:165 Resp: 255655
Ion Ratio Lower Upper
165 100
63 50.0 39.2 58.8
89 70.2 56.9 85.3
182 2.9 2.2 3.2



#58
Fluorene
Concen: 36.485 ng
RT: 10.386 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:166 Resp: 690153
Ion Ratio Lower Upper
166 100
165 97.9 77.5 116.3
167 13.5 10.9 16.3

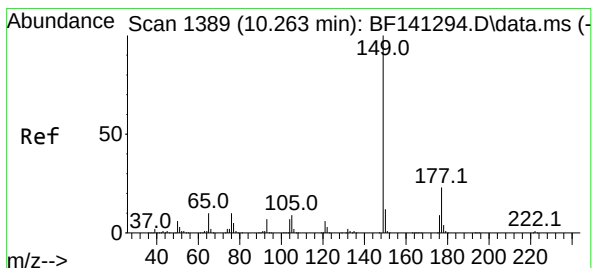
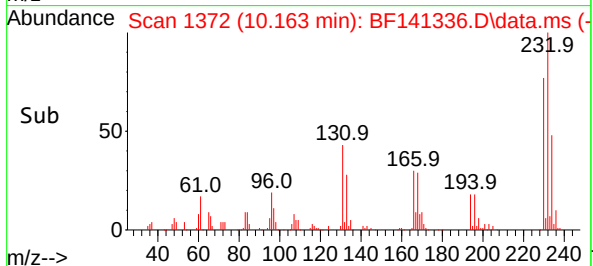
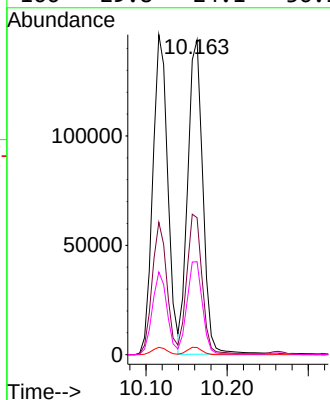
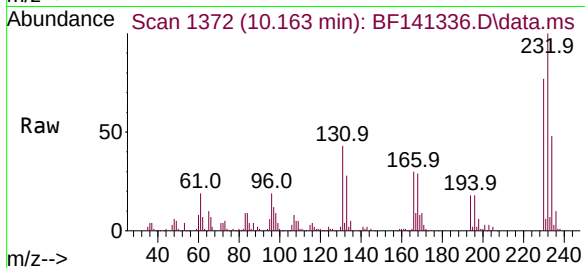




#59
2,3,4,6-Tetrachlorophenol
Concen: 38.903 ng
RT: 10.163 min Scan# 1372
Delta R.T. -0.000 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

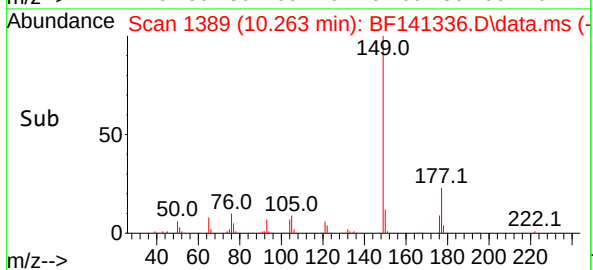
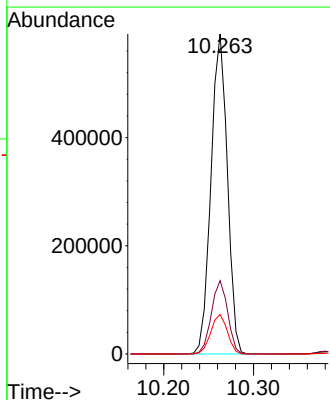
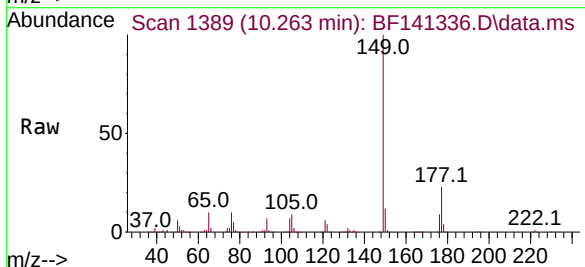
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

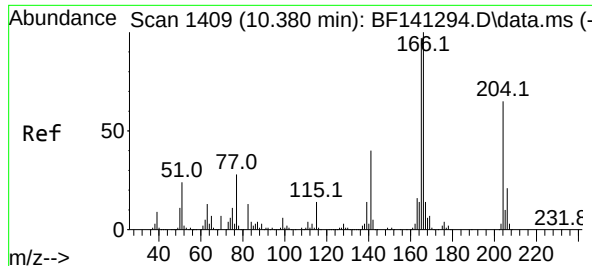
Tgt Ion:232 Resp: 185895
Ion Ratio Lower Upper
232 100
131 45.5 36.4 54.6
130 2.3 1.9 2.9
166 29.8 24.1 36.1



#60
Diethylphthalate
Concen: 38.140 ng
RT: 10.263 min Scan# 1389
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:149 Resp: 748552
Ion Ratio Lower Upper
149 100
177 22.9 18.5 27.7
150 12.4 10.0 15.0

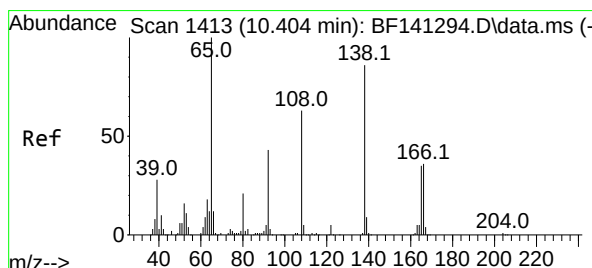
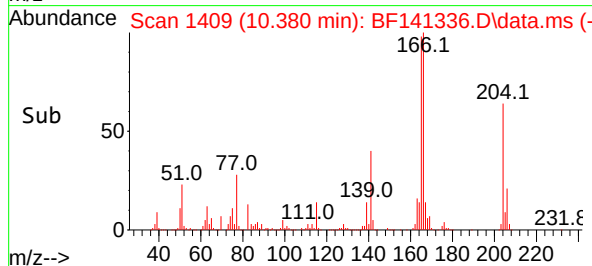
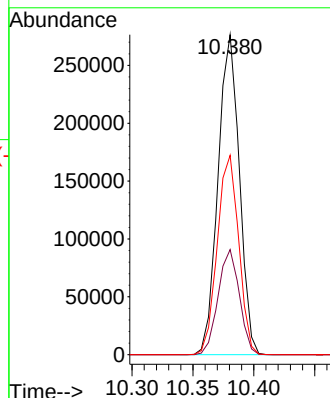
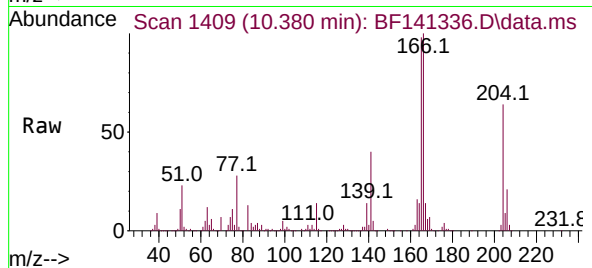




#61
4-Chlorophenyl-phenylether
Concen: 36.458 ng
RT: 10.380 min Scan# 1409
Delta R.T. -0.000 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

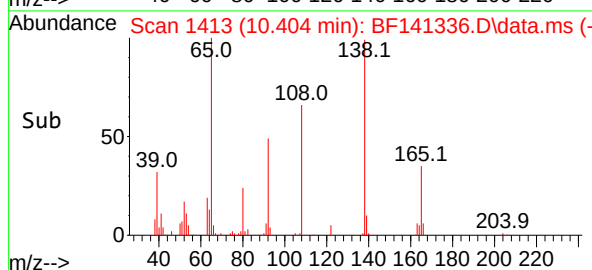
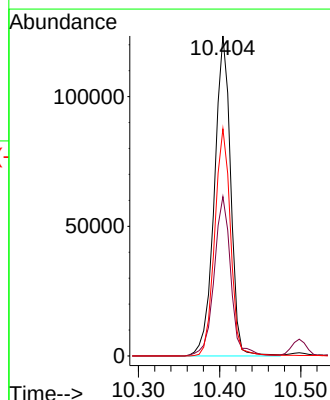
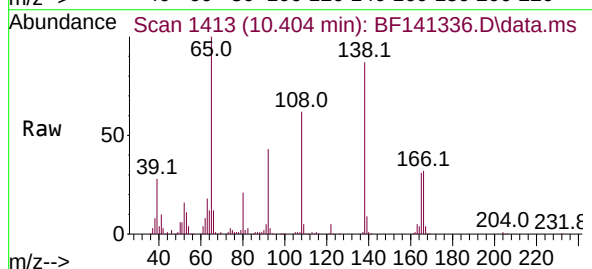
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

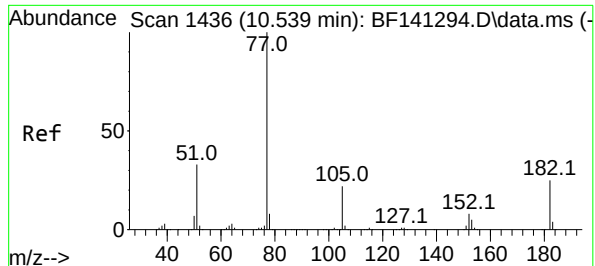
Tgt Ion:204 Resp: 336871
Ion Ratio Lower Upper
204 100
206 32.9 25.9 38.9
141 62.3 49.5 74.3



#62
4-Nitroaniline
Concen: 38.063 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:138 Resp: 172379
Ion Ratio Lower Upper
138 100
92 49.8 30.1 70.1
108 71.0 53.1 93.1

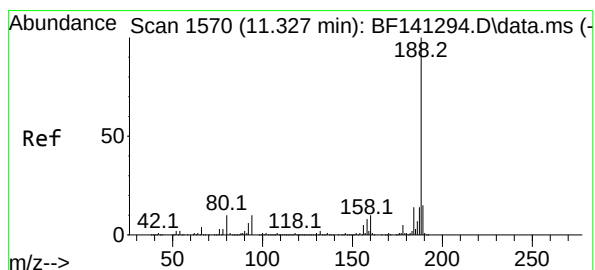
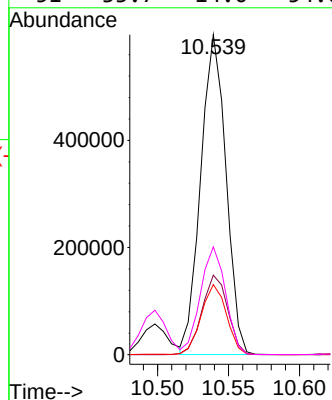
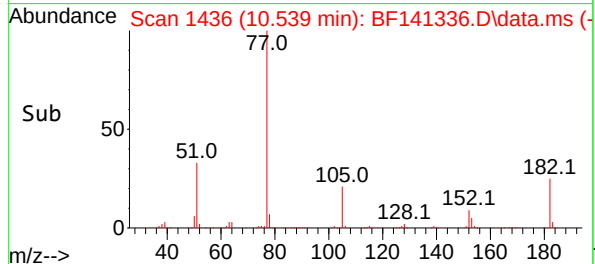
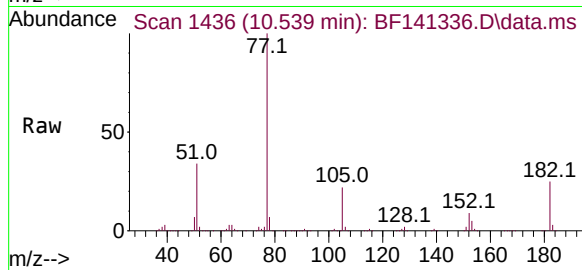




#63
Azobenzene
Concen: 37.573 ng
RT: 10.539 min Scan# 1436
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

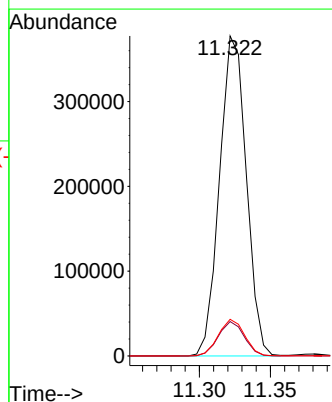
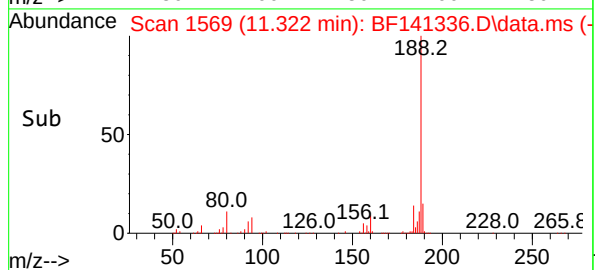
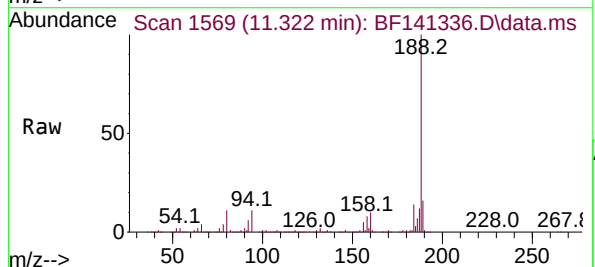
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

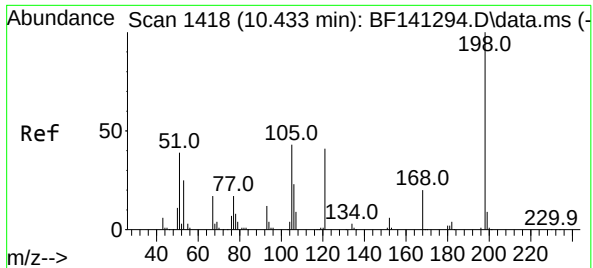
Tgt Ion: 77 Resp: 738145
Ion Ratio Lower Upper
77 100
182 24.8 5.1 45.1
105 21.9 1.8 41.8
51 33.7 14.0 54.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion: 188 Resp: 493954
Ion Ratio Lower Upper
188 100
94 10.7 7.8 11.6
80 11.5 8.2 12.4

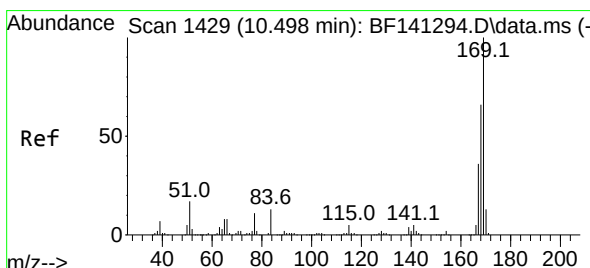
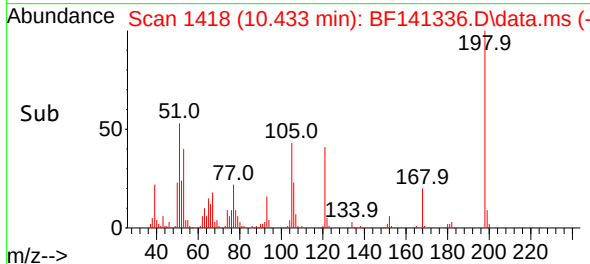
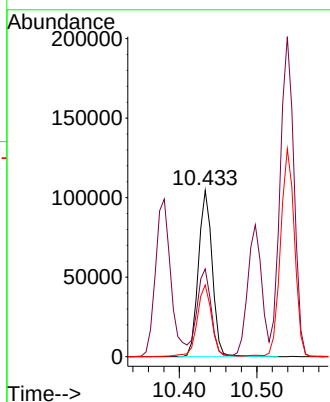
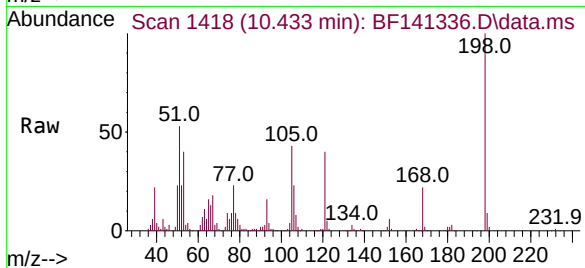




#65
4,6-Dinitro-2-methylphenol
Concen: 44.270 ng
RT: 10.433 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

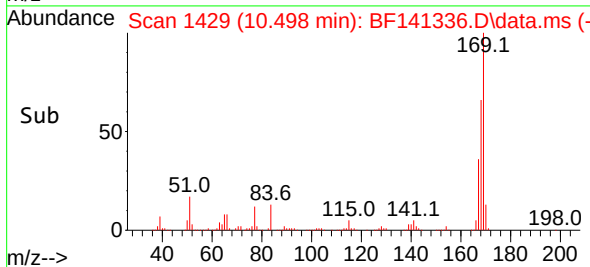
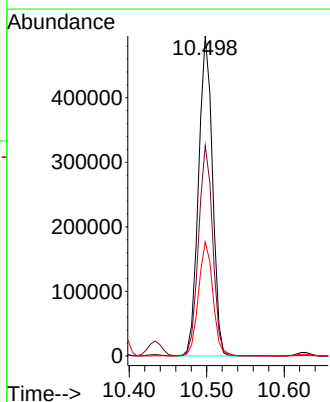
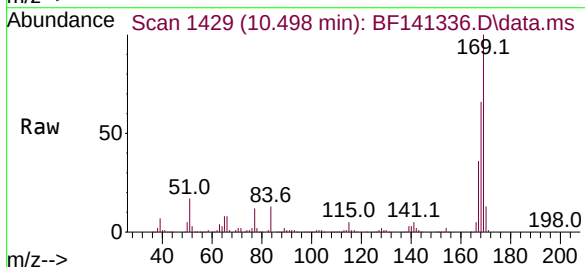
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

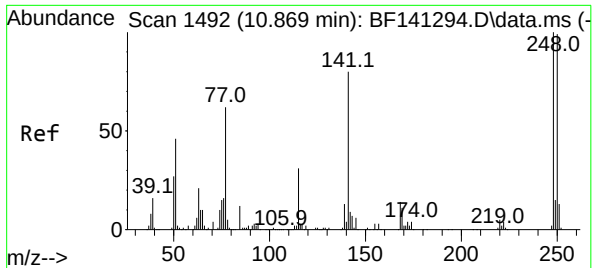
Tgt Ion:198 Resp: 129346
Ion Ratio Lower Upper
198 100
51 52.8 33.4 73.4
105 43.1 24.4 64.4



#66
n-Nitrosodiphenylamine
Concen: 38.751 ng
RT: 10.498 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:169 Resp: 619094
Ion Ratio Lower Upper
169 100
168 65.8 53.0 79.4
167 35.7 28.8 43.2

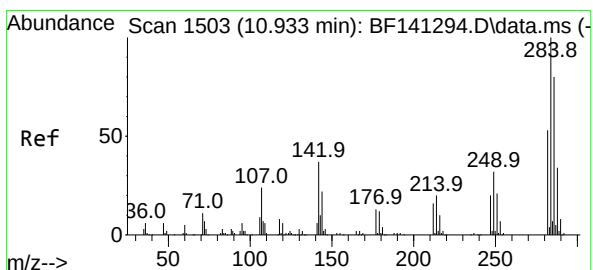
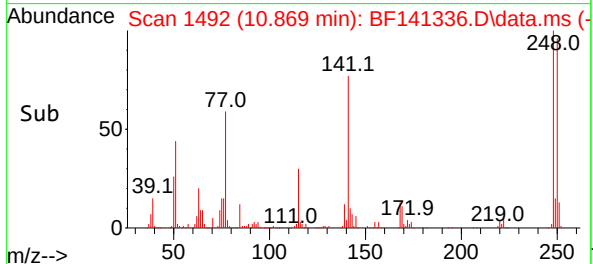
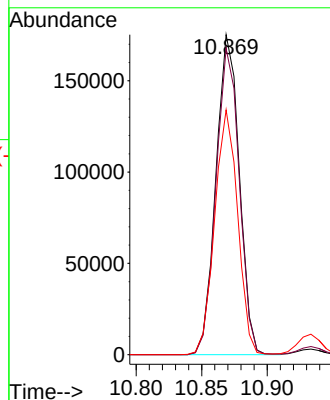
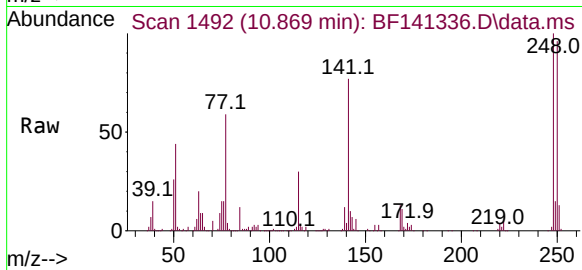




#67
4-Bromophenyl-phenylether
Concen: 39.236 ng
RT: 10.869 min Scan# 1492
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

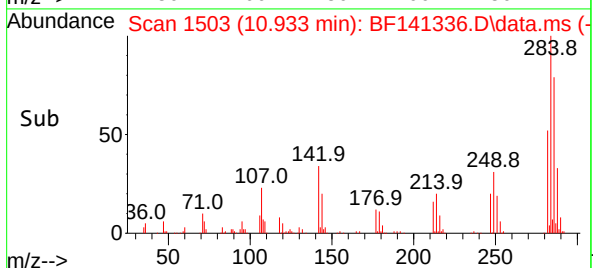
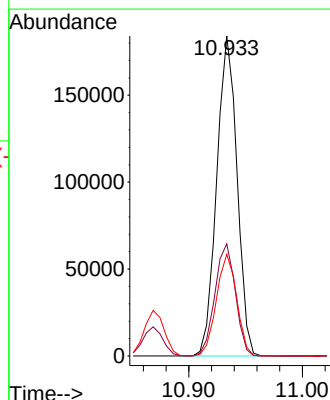
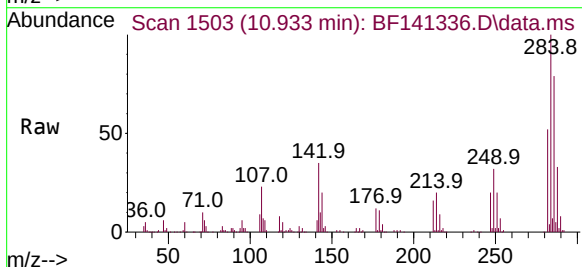
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

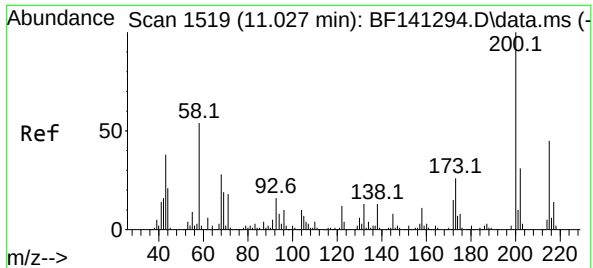
Tgt Ion:248 Resp: 216973
Ion Ratio Lower Upper
248 100
250 95.7 79.0 118.4
141 76.5 63.7 95.5



#68
Hexachlorobenzene
Concen: 38.991 ng
RT: 10.933 min Scan# 1503
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:284 Resp: 228716
Ion Ratio Lower Upper
284 100
142 35.1 29.5 44.3
249 31.7 25.4 38.2





#69

Atrazine

Concen: 33.985 ng

RT: 11.027 min Scan# 1519

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

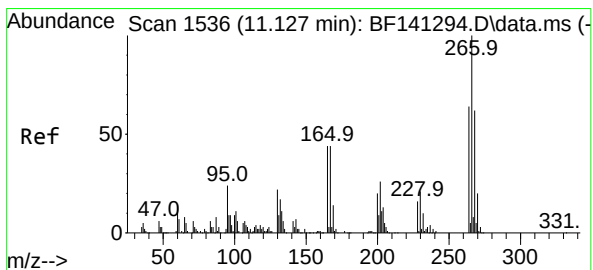
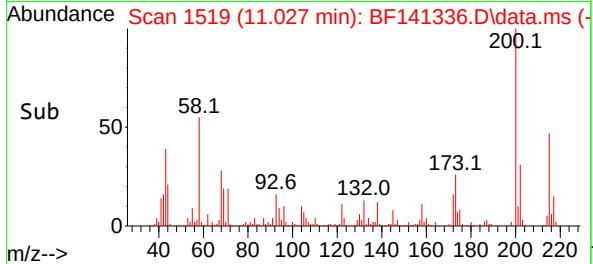
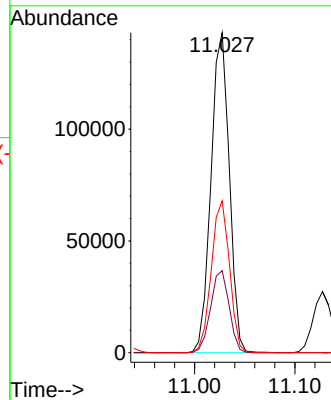
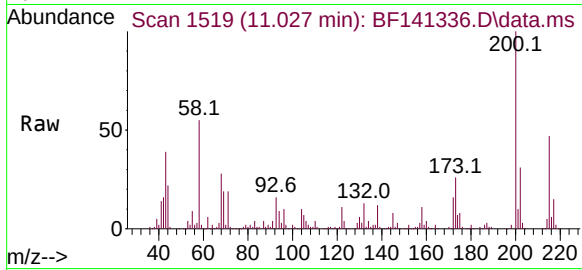
Tgt Ion:200 Resp: 181536

Ion Ratio Lower Upper

200 100

173 25.6 5.9 45.9

215 47.4 25.2 65.2



#70

Pentachlorophenol

Concen: 53.575 ng

RT: 11.127 min Scan# 1536

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

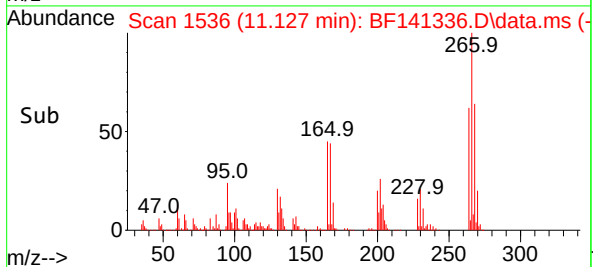
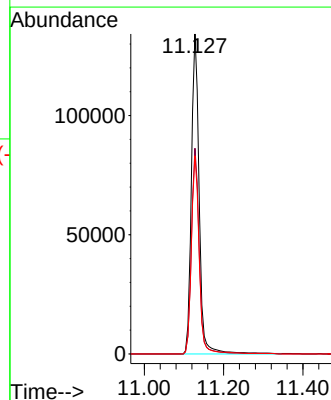
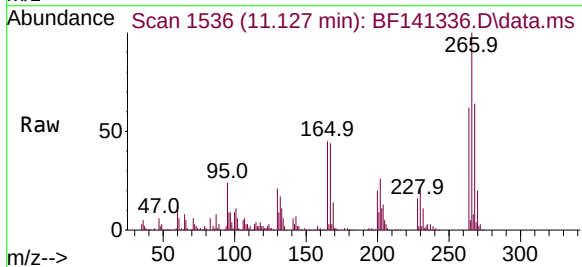
Tgt Ion:266 Resp: 184030

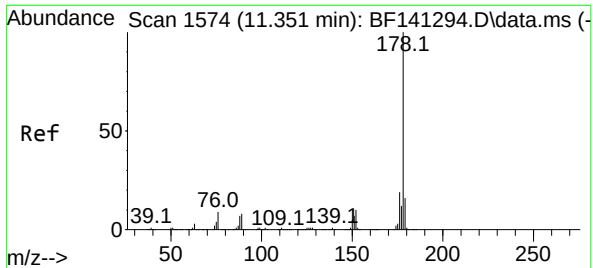
Ion Ratio Lower Upper

266 100

268 64.3 49.9 74.9

264 61.9 51.0 76.4

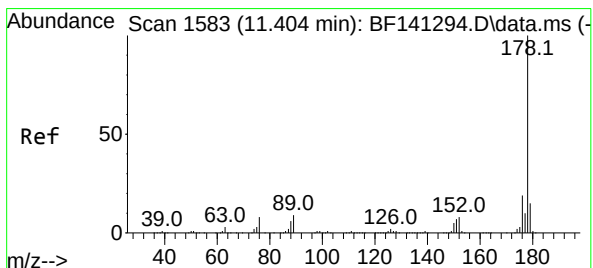
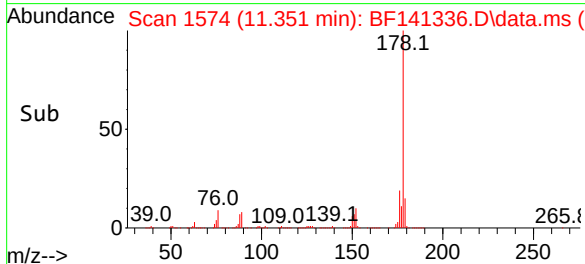
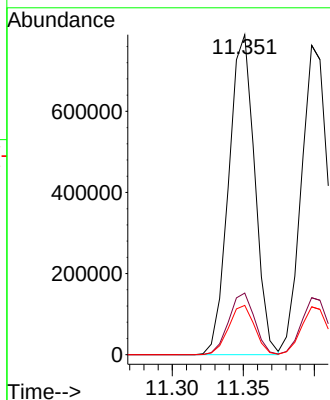
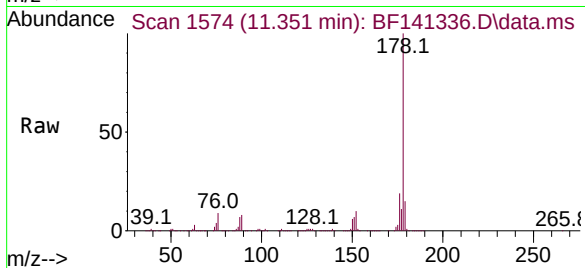




#71
Phenanthrene
Concen: 37.819 ng
RT: 11.351 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

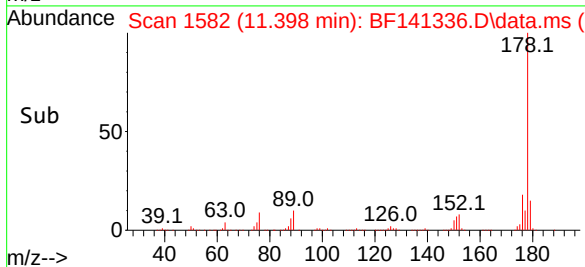
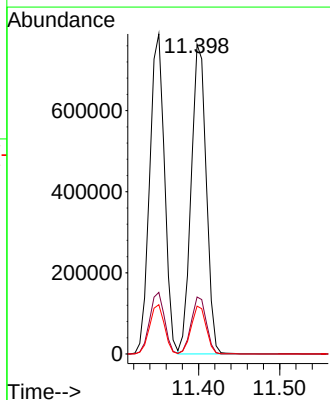
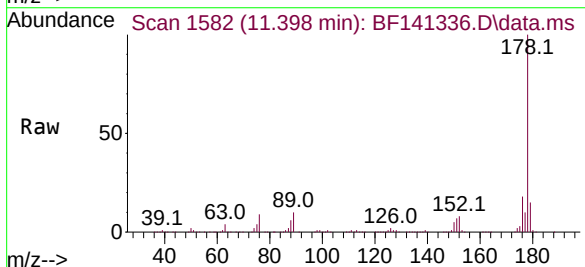
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

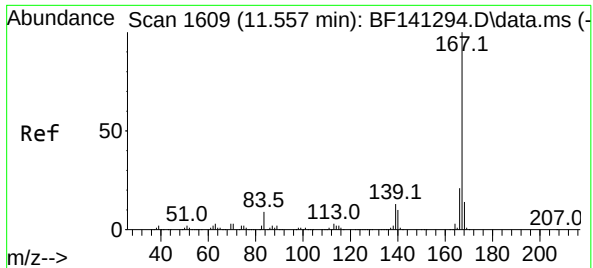
Tgt Ion:178 Resp: 1004184
Ion Ratio Lower Upper
178 100
176 19.3 15.3 22.9
179 15.4 12.5 18.7



#72
Anthracene
Concen: 37.948 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:178 Resp: 987277
Ion Ratio Lower Upper
178 100
176 18.4 15.0 22.6
179 15.5 12.3 18.5

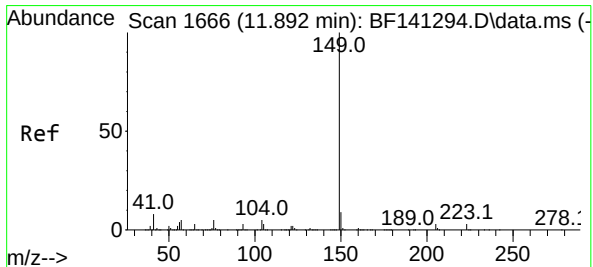
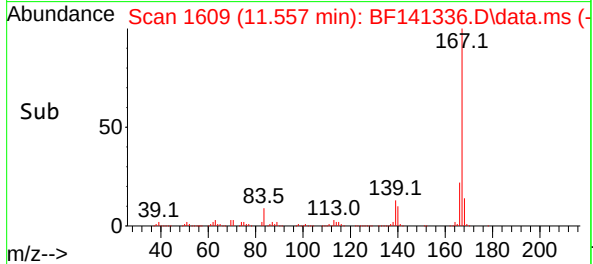
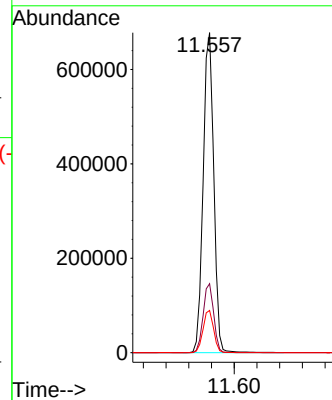
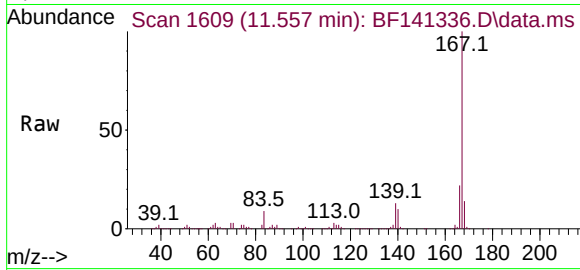




#73
Carbazole
Concen: 38.220 ng
RT: 11.557 min Scan# 1609
Delta R.T. -0.000 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

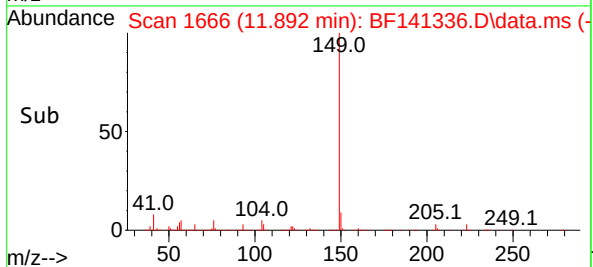
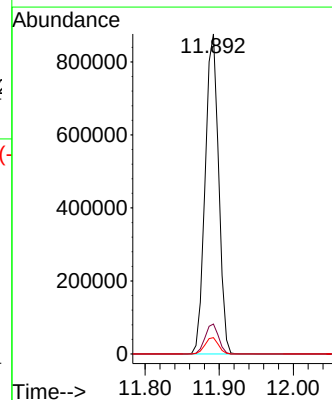
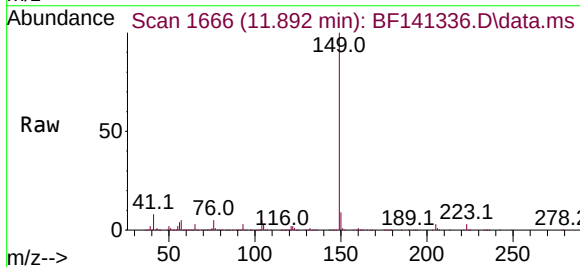
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

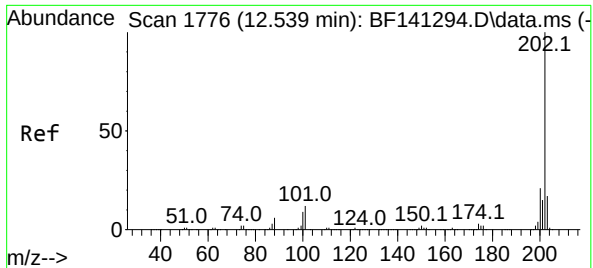
Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.0	25.6
139	13.2	10.6	16.0



#74
Di-n-butylphthalate
Concen: 39.444 ng
RT: 11.892 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.4	11.2
104	5.1	3.9	5.9

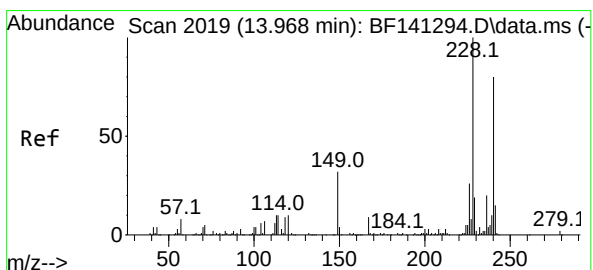
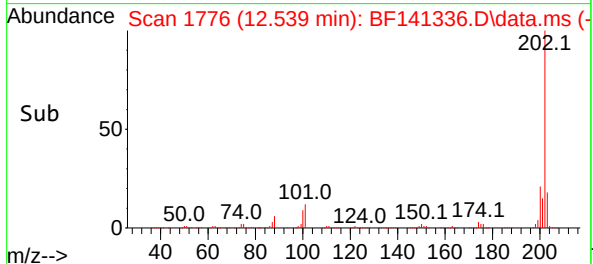
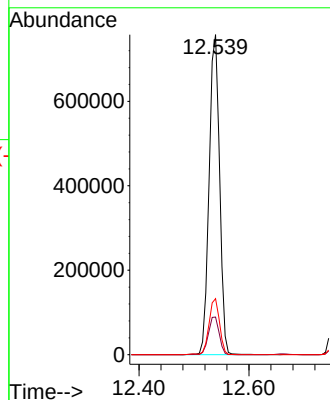
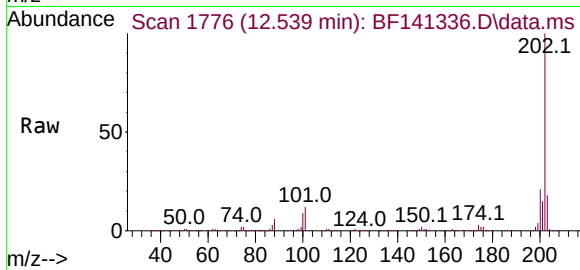




#75
Fluoranthene
Concen: 38.098 ng
RT: 12.539 min Scan# 1776
Delta R.T. -0.000 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

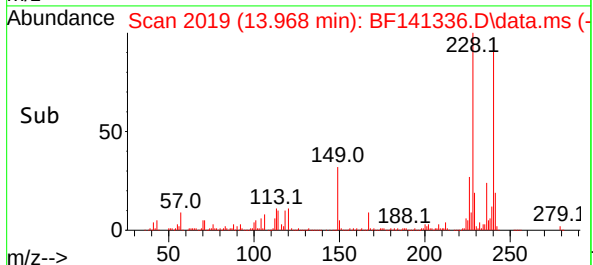
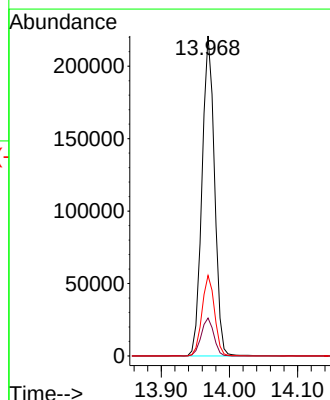
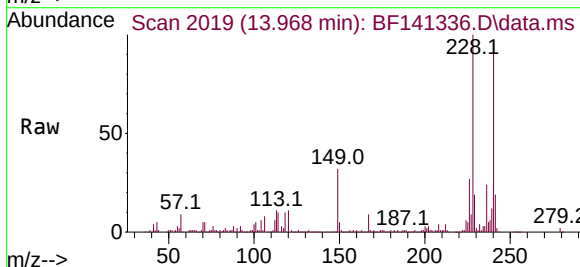
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

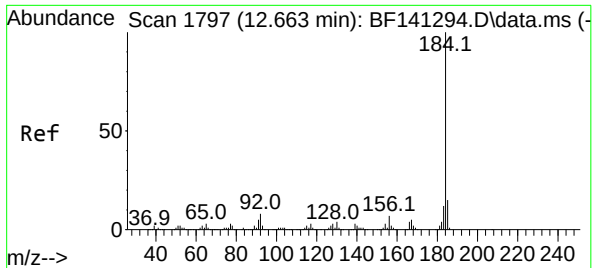
Tgt Ion:202 Resp: 998810
Ion Ratio Lower Upper
202 100
101 11.8 0.0 31.7
203 17.5 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:240 Resp: 281629
Ion Ratio Lower Upper
240 100
120 11.9 10.0 15.0
236 25.1 19.7 29.5





#77

Benzidine

Concen: 38.664 ng

RT: 12.663 min Scan# 1797

Delta R.T. -0.000 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

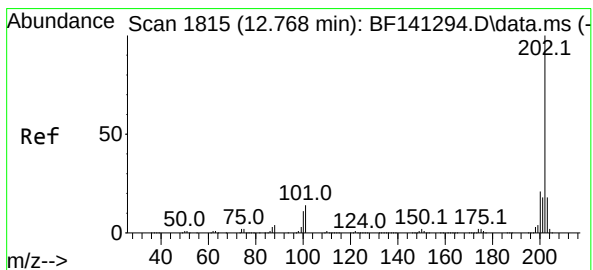
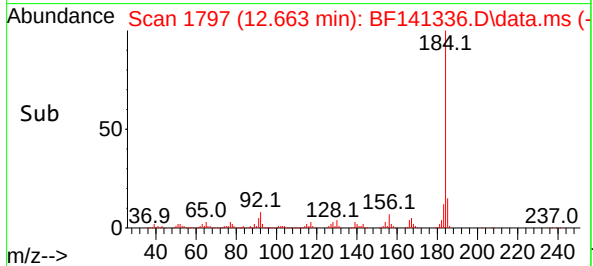
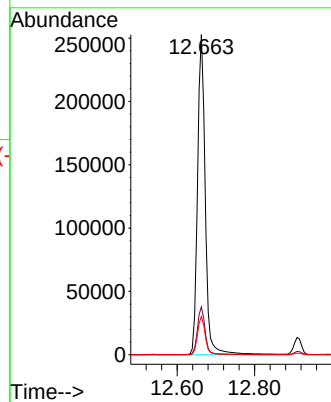
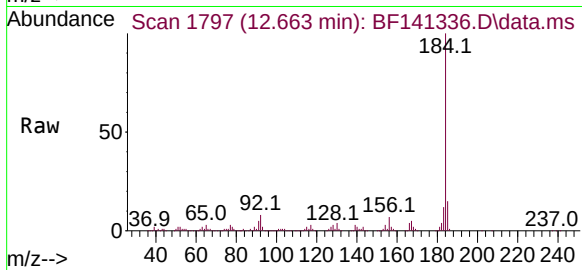
Tgt Ion:184 Resp: 349084

Ion Ratio Lower Upper

184 100

185 14.9 11.9 17.9

183 11.9 9.5 14.3



#78

Pyrene

Concen: 40.606 ng

RT: 12.769 min Scan# 1815

Delta R.T. -0.000 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

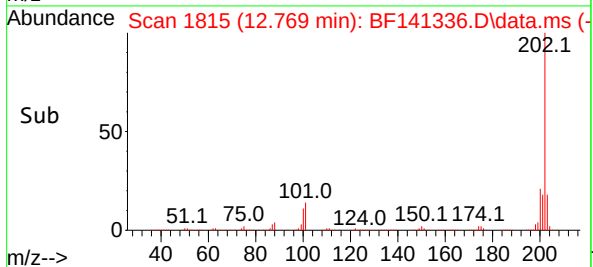
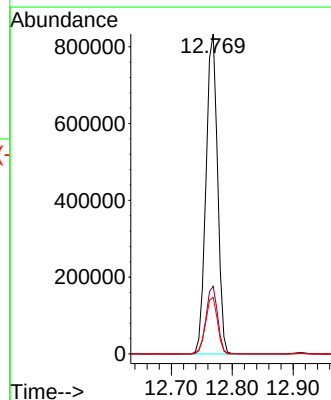
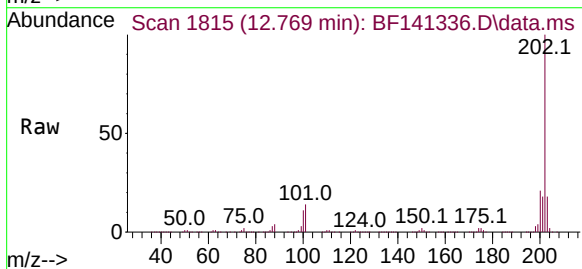
Tgt Ion:202 Resp: 1097741

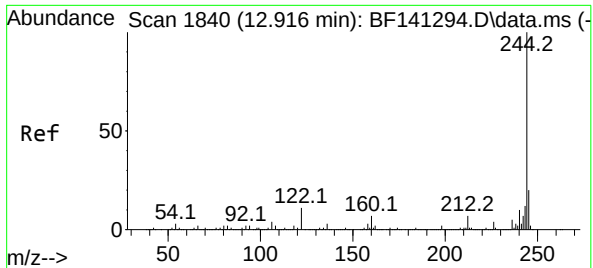
Ion Ratio Lower Upper

202 100

200 21.2 17.0 25.4

203 17.7 14.3 21.5

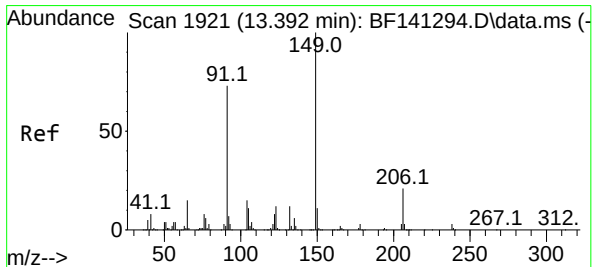
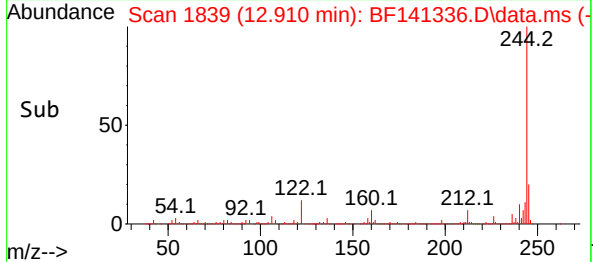
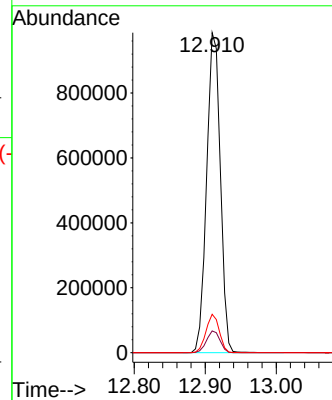
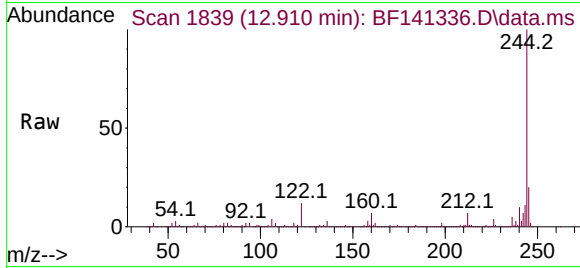




#79
Terphenyl-d14
Concen: 72.583 ng
RT: 12.910 min Scan# 1839
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

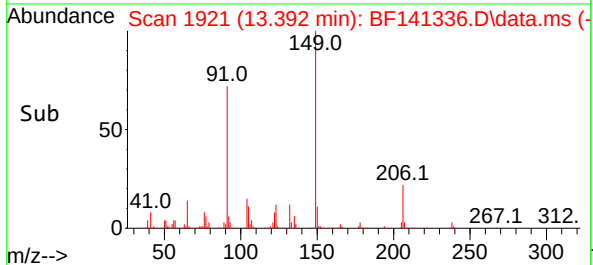
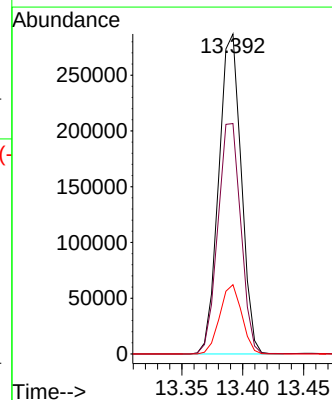
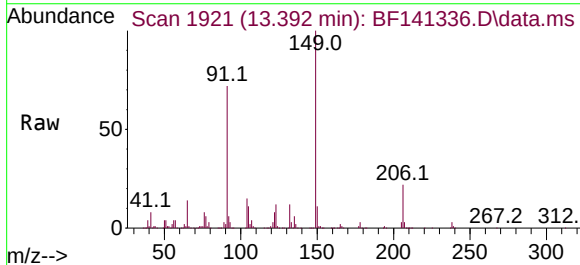
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

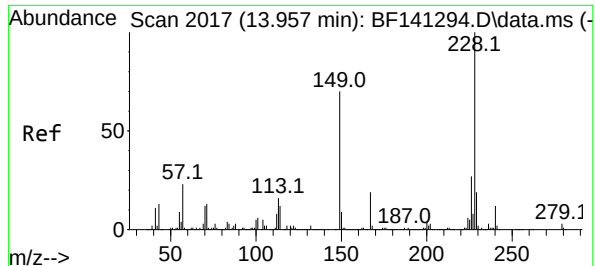
Tgt Ion:244 Resp: 1325492
Ion Ratio Lower Upper
244 100
212 6.8 5.4 8.0
122 12.0 8.8 13.2



#80
Butylbenzylphthalate
Concen: 39.103 ng
RT: 13.392 min Scan# 1921
Delta R.T. -0.000 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:149 Resp: 369304
Ion Ratio Lower Upper
149 100
91 72.0 58.6 87.8
206 21.7 16.7 25.1





#81

Benzo(a)anthracene

Concen: 34.223 ng

RT: 13.957 min Scan# 2017

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

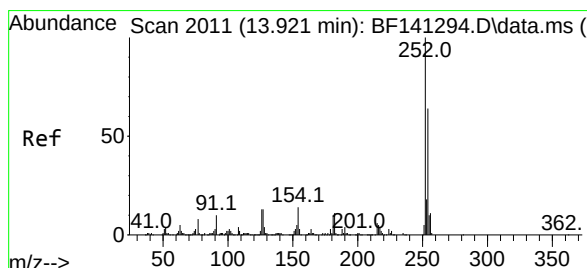
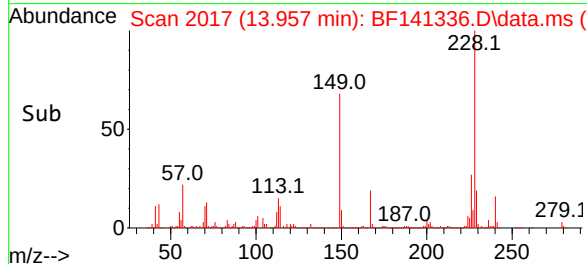
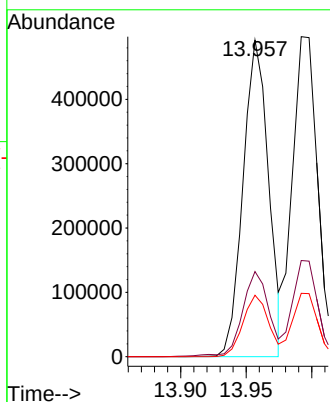
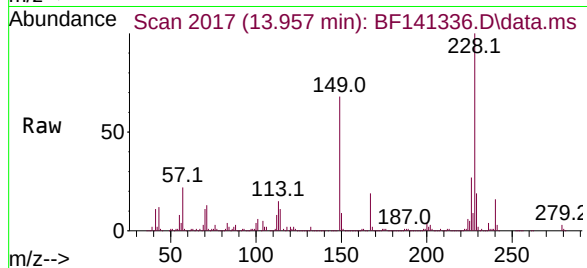
Tgt Ion:228 Resp: 665086

Ion Ratio Lower Upper

228 100

226 26.9 21.4 32.2

229 19.4 15.5 23.3



#82

3,3'-Dichlorobenzidine

Concen: 36.200 ng

RT: 13.921 min Scan# 2011

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

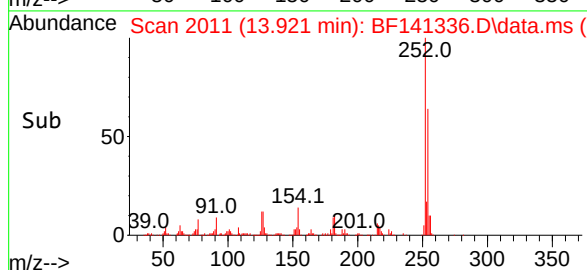
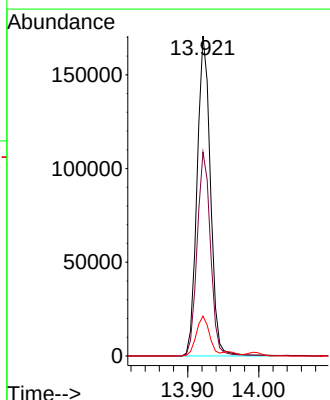
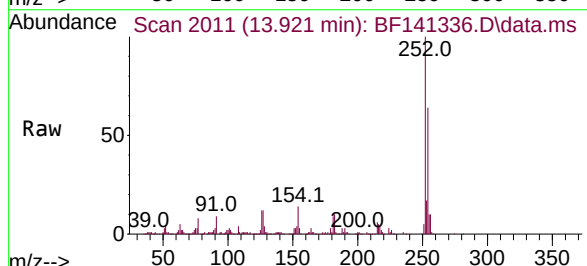
Tgt Ion:252 Resp: 223750

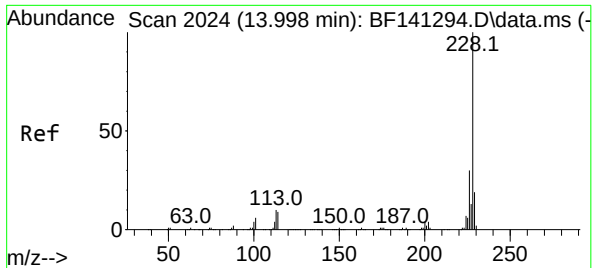
Ion Ratio Lower Upper

252 100

254 63.7 51.3 76.9

126 12.5 10.0 15.0

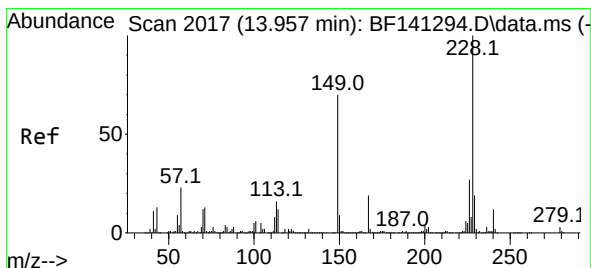
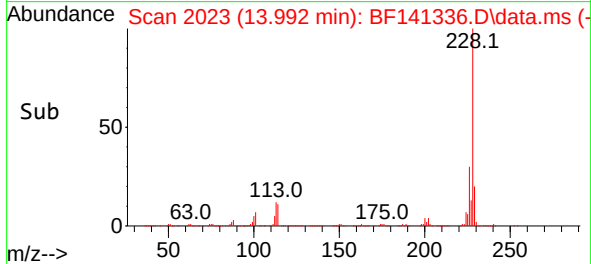
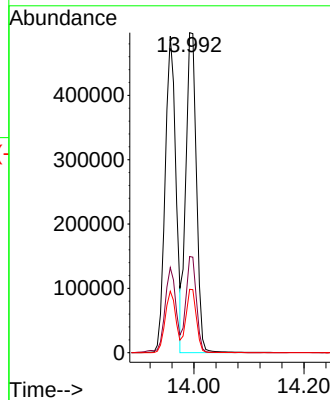
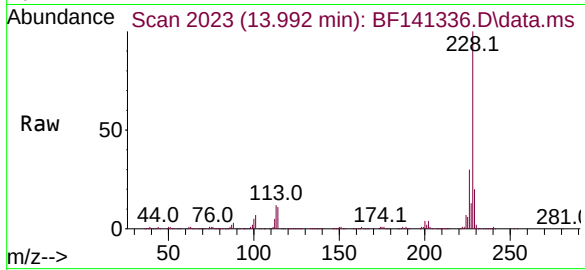




#83
Chrysene
Concen: 37.287 ng
RT: 13.992 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

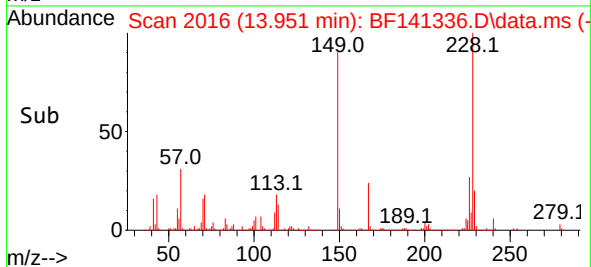
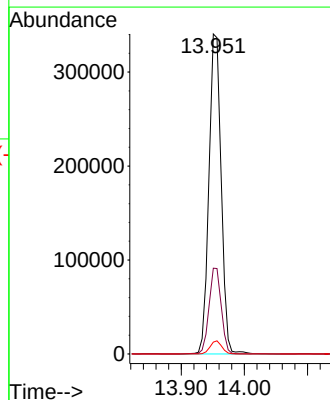
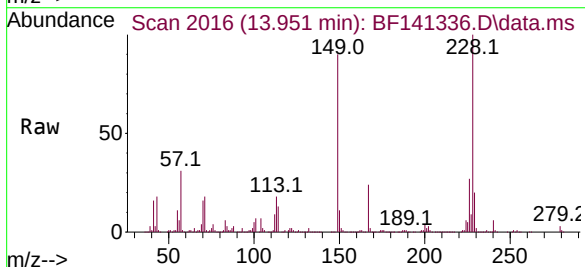
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

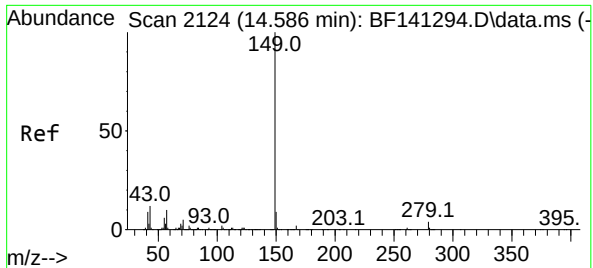
Tgt Ion:228 Resp: 664102
Ion Ratio Lower Upper
228 100
226 30.1 24.1 36.1
229 19.8 15.6 23.4



#84
Bis(2-ethylhexyl)phthalate
Concen: 38.304 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:149 Resp: 458911
Ion Ratio Lower Upper
149 100
167 26.8 21.8 32.8
279 3.7 3.3 4.9

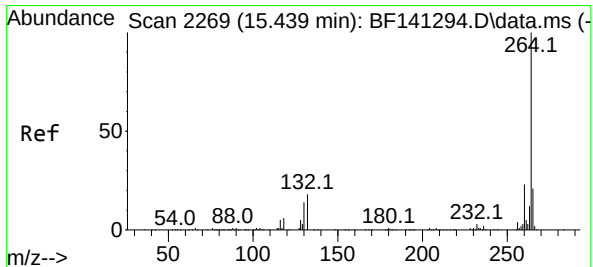
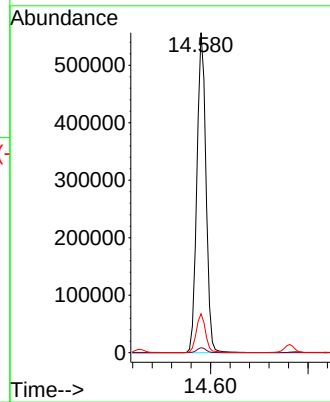
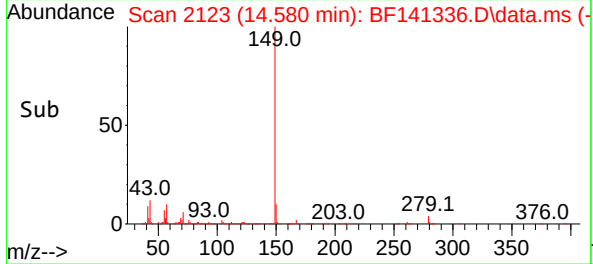
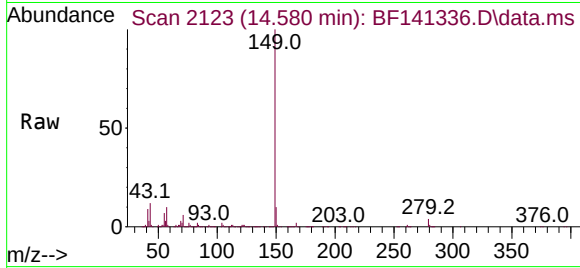




#85
Di-n-octyl phthalate
Concen: 38.886 ng
RT: 14.580 min Scan# 2124
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

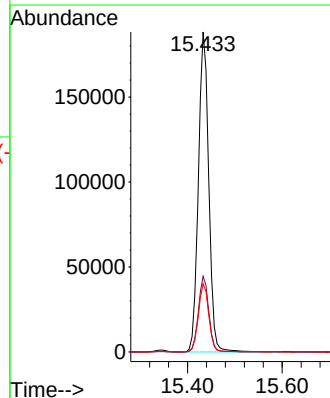
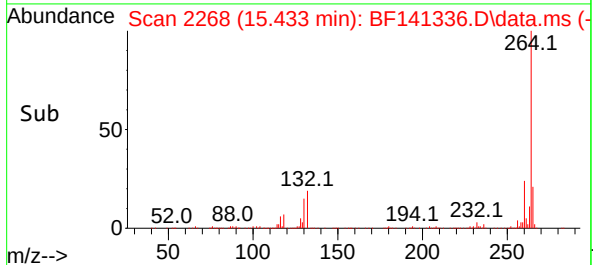
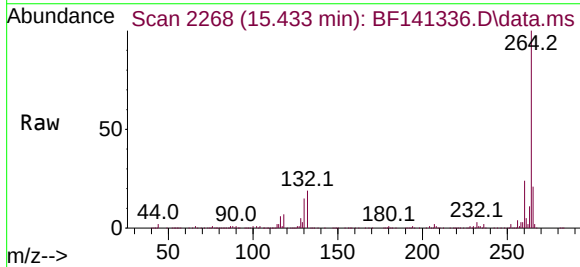
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

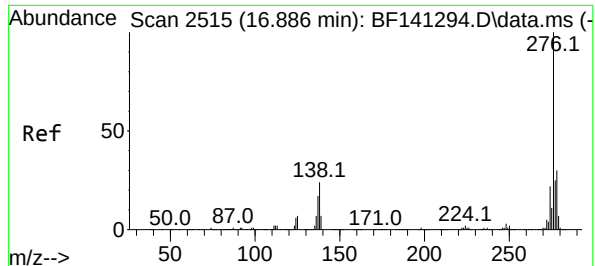
Tgt Ion:149 Resp: 723593
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 12.4 9.8 14.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.433 min Scan# 2268
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:264 Resp: 286623
Ion Ratio Lower Upper
264 100
260 23.6 18.6 27.8
265 21.4 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 38.376 ng

RT: 16.886 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141336.D

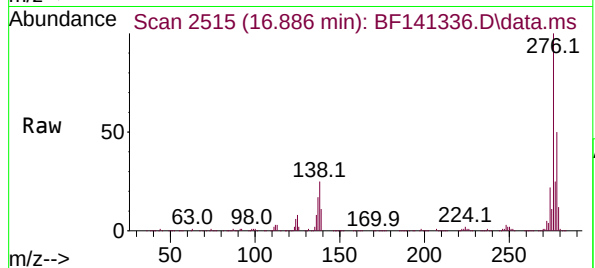
Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



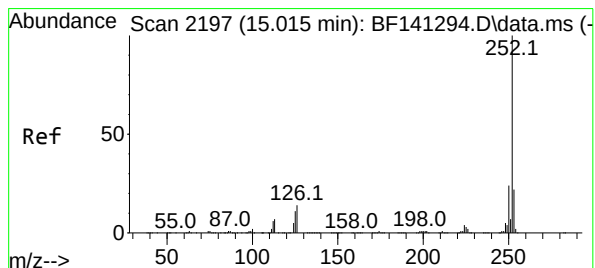
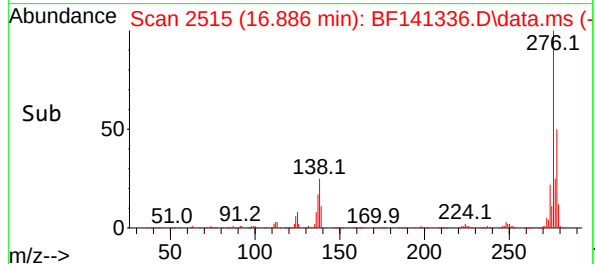
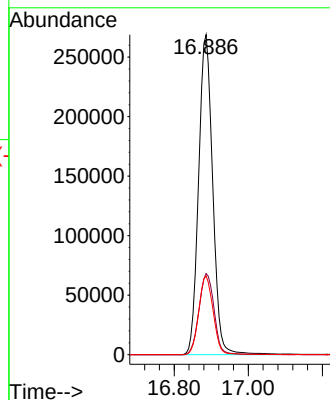
Tgt Ion:276 Resp: 709942

Ion Ratio Lower Upper

276 100

138 27.3 21.7 32.5

277 25.2 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 37.149 ng

RT: 15.015 min Scan# 2197

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

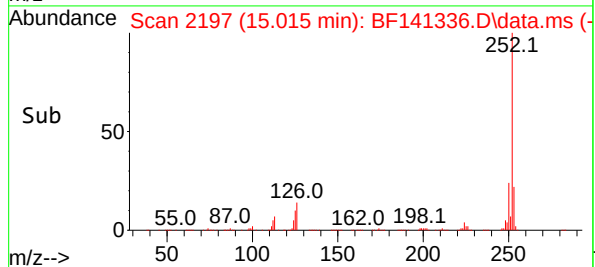
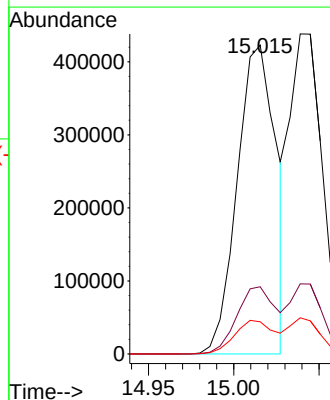
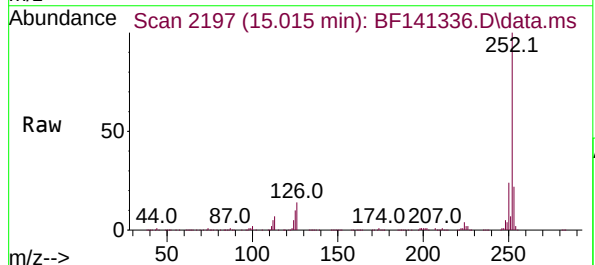
Tgt Ion:252 Resp: 669775

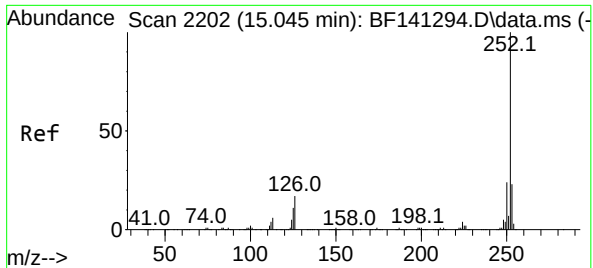
Ion Ratio Lower Upper

252 100

253 21.8 17.4 26.2

125 10.4 8.6 12.8





#89

Benzo(k)fluoranthene

Concen: 37.413 ng

RT: 15.039 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

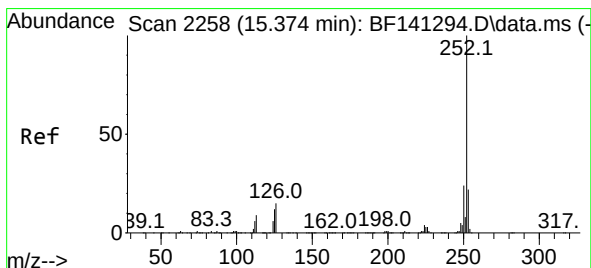
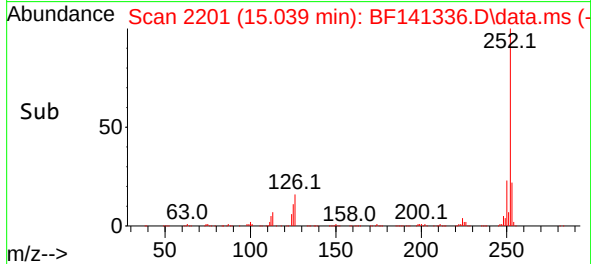
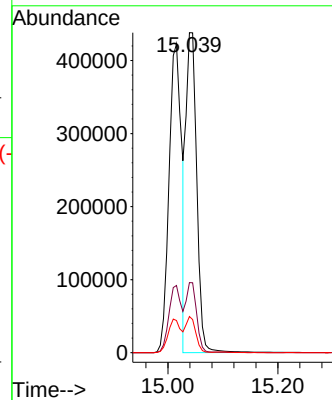
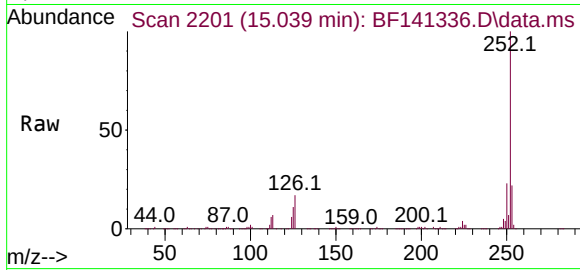
Tgt Ion:252 Resp: 597549

Ion Ratio Lower Upper

252 100

253 21.9 17.6 26.4

125 11.3 8.4 12.6



#90

Benzo(a)pyrene

Concen: 37.294 ng

RT: 15.374 min Scan# 2258

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

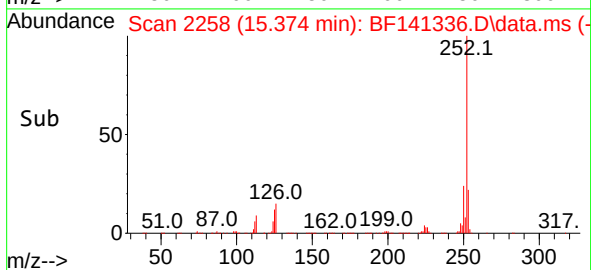
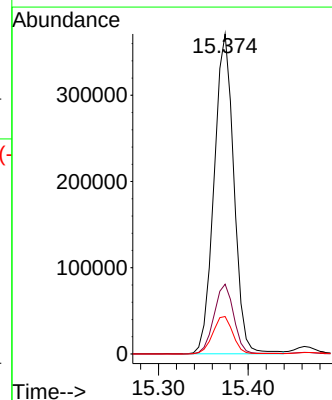
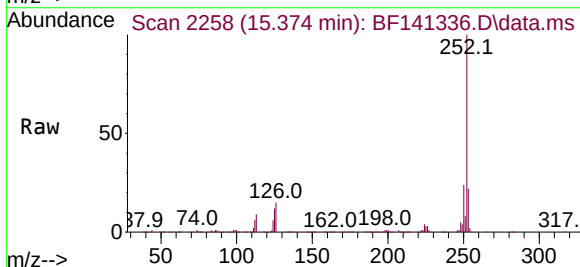
Tgt Ion:252 Resp: 568194

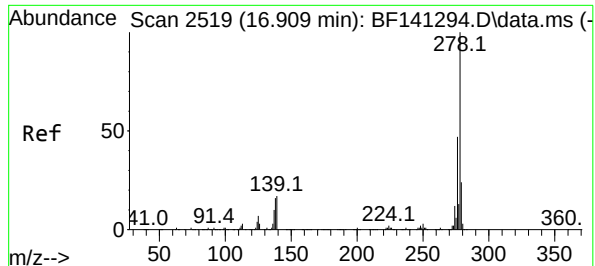
Ion Ratio Lower Upper

252 100

253 21.8 17.2 25.8

125 11.7 9.4 14.2

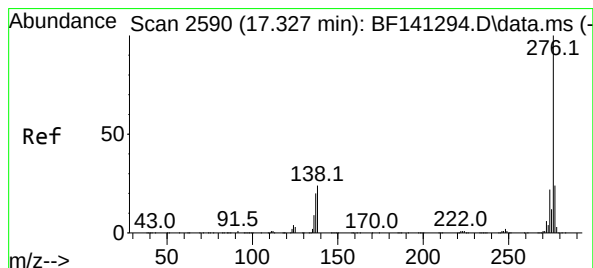
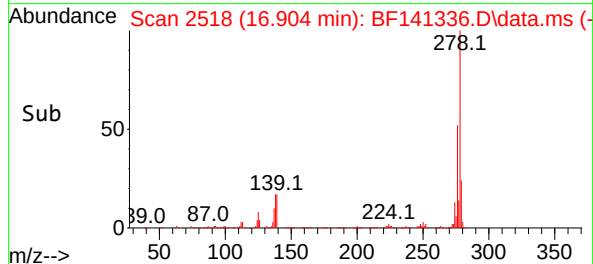
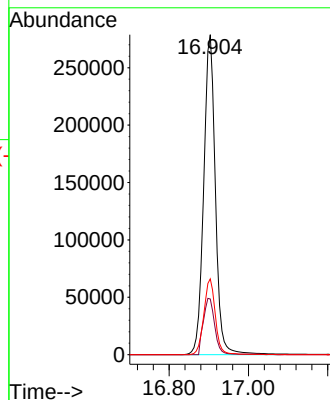
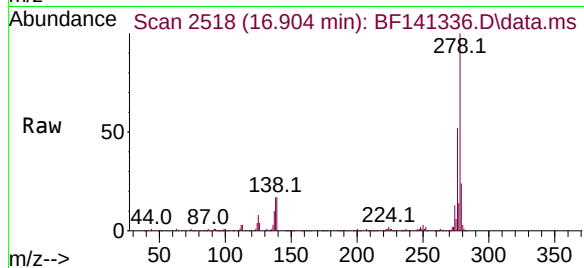




#91
Dibenzo(a,h)anthracene
Concen: 38.458 ng
RT: 16.904 min Scan# 2519
Delta R.T. -0.018 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

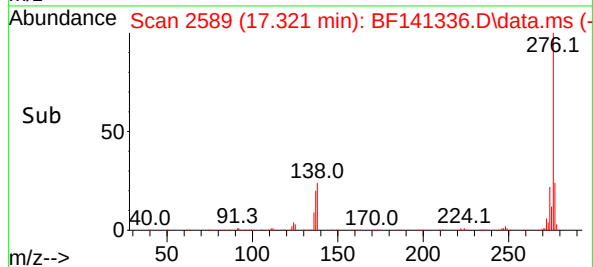
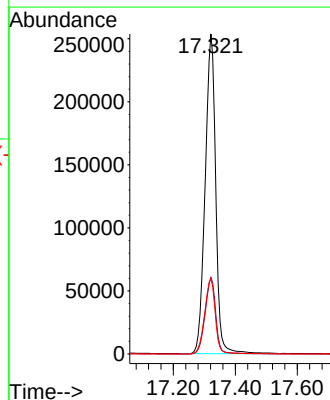
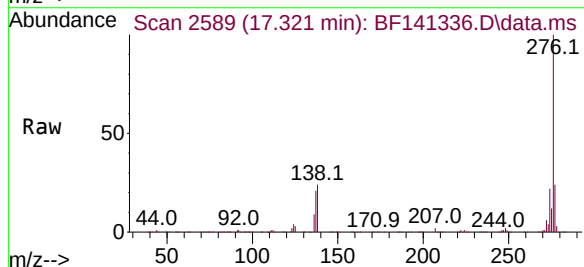
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 572387
Ion Ratio Lower Upper
278 100
139 17.4 13.9 20.9
279 23.7 18.8 28.2



#92
Benzo(g,h,i)perylene
Concen: 38.883 ng
RT: 17.321 min Scan# 2589
Delta R.T. -0.024 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:276 Resp: 601743
Ion Ratio Lower Upper
276 100
277 23.9 19.2 28.8
138 23.6 19.0 28.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
 Data File : BF141336.D
 Acq On : 31 Jan 2025 17:19
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Jan 31 17:43:26 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	0.00
2	1,4-Dioxane	0.573	0.545	4.9	104	0.00
3	Pyridine	1.380	1.326	3.9	103	-0.02
4	n-Nitrosodimethylamine	0.789	0.750	4.9	102	-0.04
5 S	2-Fluorophenol	1.303	1.218	6.5	104	-0.01
6	Aniline	1.403	1.344	4.2	101	-0.01
7 S	Phenol-d6	1.657	1.534	7.4	104	-0.01
8	2-Chlorophenol	1.396	1.307	6.4	103	-0.01
9	Benzaldehyde	0.960	0.972	-1.3	111	0.00
10 C	Phenol	1.757	1.652	6.0	103	-0.01
11	bis(2-Chloroethyl)ether	1.347	1.267	5.9	106	-0.01
12	1,3-Dichlorobenzene	1.540	1.440	6.5	103	0.00
13 C	1,4-Dichlorobenzene	1.547	1.436	7.2	103	0.00
14	1,2-Dichlorobenzene	1.448	1.350	6.8	103	0.00
15	Benzyl Alcohol	1.133	1.101	2.8	104	0.00
16	2,2'-oxybis(1-Chloropropane	2.342	2.199	6.1	103	0.00
17	2-Methylphenol	1.135	1.062	6.4	105	0.00
18	Hexachloroethane	0.571	0.536	6.1	104	0.00
19 P	n-Nitroso-di-n-propylamine	0.985	0.946	4.0	108	-0.01
20	3+4-Methylphenols	1.393	1.318	5.4	105	-0.01
21 I	Naphthalene-d8	1.000	1.000	0.0	105	0.00
22	Acetophenone	0.475	0.424	10.7	102	0.00
23 S	Nitrobenzene-d5	0.379	0.348	8.2	103	0.00
24	Nitrobenzene	0.393	0.365	7.1	103	-0.01
25	Isophorone	0.656	0.622	5.2	107	0.00
26 C	2-Nitrophenol	0.185	0.175	5.4	104	0.00
27	2,4-Dimethylphenol	0.236	0.224	5.1	105	0.00
28	bis(2-Chloroethoxy)methane	0.418	0.386	7.7	104	0.00
29 C	2,4-Dichlorophenol	0.289	0.272	5.9	105	0.00
30	1,2,4-Trichlorobenzene	0.330	0.299	9.4	103	0.00
31	Naphthalene	1.057	0.966	8.6	104	0.00
32	Benzoic acid	0.217	0.226	-4.1	107	-0.04
33	4-Chloroaniline	0.358	0.329	8.1	102	0.00
34 C	Hexachlorobutadiene	0.194	0.179	7.7	105	0.00
35	Caprolactam	0.094	0.091	3.2	108	-0.02
36 C	4-Chloro-3-methylphenol	0.310	0.341	-10.0	124	0.00
37	2-Methylnaphthalene	0.672	0.618	8.0	104	0.00
38	1-Methylnaphthalene	0.660	0.605	8.3	105	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	106	0.00
40	1,2,4,5-Tetrachlorobenzene	0.569	0.515	9.5	102	0.00
41 P	Hexachlorocyclopentadiene	0.168	0.159	5.4	98	0.00
42 S	2,4,6-Tribromophenol	0.183	0.177	3.3	108	0.00
43 C	2,4,6-Trichlorophenol	0.372	0.365	1.9	106	0.00
44	2,4,5-Trichlorophenol	0.405	0.381	5.9	107	0.00
45 S	2-Fluorobiphenyl	1.299	1.148	11.6	103	0.00
46	1,1'-Biphenyl	1.560	1.427	8.5	104	0.00
47	2-Chloronaphthalene	1.216	1.102	9.4	104	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
 Data File : BF141336.D
 Acq On : 31 Jan 2025 17:19
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Jan 31 17:43:26 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	2-Nitroaniline	0.382	0.366	4.2	107	0.00
49	Acenaphthylene	1.702	1.577	7.3	105	0.00
50	Dimethylphthalate	1.351	1.290	4.5	110	0.00
51	2,6-Dinitrotoluene	0.314	0.300	4.5	107	0.00
52 C	Acenaphthene	1.216	1.127	7.3	106	0.00
53	3-Nitroaniline	0.307	0.292	4.9	102	0.00
54 P	2,4-Dinitrophenol	0.146	0.150	-2.7	108	0.00
55	Dibenzofuran	1.627	1.481	9.0	103	0.00
56 P	4-Nitrophenol	0.225	0.300	-33.3#	142	0.00
57	2,4-Dinitrotoluene	0.406	0.427	-5.2	117	0.00
58	Fluorene	1.262	1.151	8.8	104	0.00
59	2,3,4,6-Tetrachlorophenol	0.319	0.310	2.8	108	0.00
60	Diethylphthalate	1.310	1.249	4.7	108	0.00
61	4-Chlorophenyl-phenylether	0.617	0.562	8.9	105	0.00
62	4-Nitroaniline	0.302	0.288	4.6	105	-0.01
63	Azobenzene	1.311	1.231	6.1	107	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	108	0.00
65	4,6-Dinitro-2-methylphenol	0.118	0.131	-11.0	113	0.00
66 c	n-Nitrosodiphenylamine	0.647	0.627	3.1	108	0.00
67	4-Bromophenyl-phenylether	0.224	0.220	1.8	109	0.00
68	Hexachlorobenzene	0.238	0.232	2.5	109	0.00
69	Atrazine	0.216	0.184	14.8	93	0.00
70 C	Pentachlorophenol	0.139	0.186	-33.8#	140	0.00
71	Phenanthrene	1.075	1.016	5.5	107	0.00
72	Anthracene	1.053	0.999	5.1	107	0.00
73	Carbazole	0.934	0.892	4.5	107	0.00
74	Di-n-butylphthalate	1.132	1.116	1.4	111	0.00
75 C	Fluoranthene	1.062	1.011	4.8	108	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	108	0.00
77	Benzydine	0.641	0.620	3.3	92	0.00
78	Pyrene	1.920	1.949	-1.5	120	0.00
79 S	Terphenyl-d14	1.297	1.177	9.3	108	0.00
80	Butylbenzylphthalate	0.671	0.656	2.2	113	0.00
81	Benzo(a)anthracene	1.380	1.181	14.4	100	0.00
82	3,3'-Dichlorobenzidine	0.439	0.397	9.6	103	0.00
83	Chrysene	1.265	1.179	6.8	112	0.00
84	Bis(2-ethylhexyl)phthalate	0.851	0.815	4.2	112	0.00
85 c	Di-n-octyl phthalate	1.321	1.285	2.7	113	0.00
86 I	Perylene-d12	1.000	1.000	0.0	103	0.00
87	Indeno(1,2,3-cd)pyrene	1.291	1.238	4.1	101	-0.01
88	Benzo(b)fluoranthene	1.258	1.168	7.2	107	0.00
89	Benzo(k)fluoranthene	1.114	1.042	6.5	99	-0.01
90 C	Benzo(a)pyrene	1.063	0.991	6.8	101	0.00
91	Dibenzo(a,h)anthracene	1.039	0.999	3.8	101	-0.02
92	Benzo(g,h,i)perylene	1.080	1.050	2.8	103	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141336.D
Acq On : 31 Jan 2025 17:19
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jan 31 17:43:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range

SPCC's out = 0 CCC's out = 1

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
 Data File : BF141336.D
 Acq On : 31 Jan 2025 17:19
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Jan 31 17:43:26 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	103	0.00
2	1,4-Dioxane	40.000	38.066	4.8	104	0.00
3	Pyridine	40.000	38.429	3.9	103	-0.02
4	n-Nitrosodimethylamine	40.000	38.050	4.9	102	-0.04
5 S	2-Fluorophenol	80.000	74.803	6.5	104	-0.01
6	Aniline	40.000	38.328	4.2	101	-0.01
7 S	Phenol-d6	80.000	74.066	7.4	104	-0.01
8	2-Chlorophenol	40.000	37.432	6.4	103	-0.01
9	Benzaldehyde	40.000	40.484	-1.2	111	0.00
10 C	Phenol	40.000	37.622	5.9	103	-0.01
11	bis(2-Chloroethyl)ether	40.000	37.636	5.9	106	-0.01
12	1,3-Dichlorobenzene	40.000	37.423	6.4	103	0.00
13 C	1,4-Dichlorobenzene	40.000	37.151	7.1	103	0.00
14	1,2-Dichlorobenzene	40.000	37.272	6.8	103	0.00
15	Benzyl Alcohol	40.000	38.880	2.8	104	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	37.552	6.1	103	0.00
17	2-Methylphenol	40.000	37.434	6.4	105	0.00
18	Hexachloroethane	40.000	37.585	6.0	104	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	38.424	3.9	108	-0.01
20	3+4-Methylphenols	40.000	37.845	5.4	105	-0.01
21 I	Naphthalene-d8	20.000	20.000	0.0	105	0.00
22	Acetophenone	40.000	35.678	10.8	102	0.00
23 S	Nitrobenzene-d5	80.000	73.308	8.4	103	0.00
24	Nitrobenzene	40.000	37.116	7.2	103	-0.01
25	Isophorone	40.000	37.934	5.2	107	0.00
26 C	2-Nitrophenol	40.000	37.762	5.6	104	0.00
27	2,4-Dimethylphenol	40.000	37.999	5.0	105	0.00
28	bis(2-Chloroethoxy)methane	40.000	36.955	7.6	104	0.00
29 C	2,4-Dichlorophenol	40.000	37.608	6.0	105	0.00
30	1,2,4-Trichlorobenzene	40.000	36.214	9.5	103	0.00
31	Naphthalene	40.000	36.561	8.6	104	0.00
32	Benzoic acid	40.000	41.698	-4.2	107	-0.04
33	4-Chloroaniline	40.000	36.719	8.2	102	0.00
34 C	Hexachlorobutadiene	40.000	37.021	7.4	105	0.00
35	Caprolactam	40.000	38.705	3.2	108	-0.02
36 C	4-Chloro-3-methylphenol	40.000	43.991	-10.0	124	0.00
37	2-Methylnaphthalene	40.000	36.818	8.0	104	0.00
38	1-Methylnaphthalene	40.000	36.681	8.3	105	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	106	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	36.224	9.4	102	0.00
41 P	Hexachlorocyclopentadiene	40.000	37.949	5.1	98	0.00
42 S	2,4,6-Tribromophenol	80.000	77.122	3.6	108	0.00
43 C	2,4,6-Trichlorophenol	40.000	39.199	2.0	106	0.00
44	2,4,5-Trichlorophenol	40.000	37.608	6.0	107	0.00
45 S	2-Fluorobiphenyl	80.000	70.690	11.6	103	0.00
46	1,1'-Biphenyl	40.000	36.585	8.5	104	0.00
47	2-Chloronaphthalene	40.000	36.251	9.4	104	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
 Data File : BF141336.D
 Acq On : 31 Jan 2025 17:19
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Jan 31 17:43:26 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	38.330	4.2	107	0.00
49	Acenaphthylene	40.000	37.073	7.3	105	0.00
50	Dimethylphthalate	40.000	38.200	4.5	110	0.00
51	2,6-Dinitrotoluene	40.000	38.268	4.3	107	0.00
52 C	Acenaphthene	40.000	37.066	7.3	106	0.00
53	3-Nitroaniline	40.000	37.936	5.2	102	0.00
54 P	2,4-Dinitrophenol	40.000	41.270	-3.2	108	0.00
55	Dibenzofuran	40.000	36.395	9.0	103	0.00
56 P	4-Nitrophenol	40.000	53.378	-33.4#	142	0.00
57	2,4-Dinitrotoluene	40.000	42.014	-5.0	117	0.00
58	Fluorene	40.000	36.485	8.8	104	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	38.903	2.7	108	0.00
60	Diethylphthalate	40.000	38.140	4.6	108	0.00
61	4-Chlorophenyl-phenylether	40.000	36.458	8.9	105	0.00
62	4-Nitroaniline	40.000	38.063	4.8	105	-0.01
63	Azobenzene	40.000	37.573	6.1	107	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	108	0.00
65	4,6-Dinitro-2-methylphenol	40.000	44.270	-10.7	113	0.00
66 c	n-Nitrosodiphenylamine	40.000	38.751	3.1	108	0.00
67	4-Bromophenyl-phenylether	40.000	39.236	1.9	109	0.00
68	Hexachlorobenzene	40.000	38.991	2.5	109	0.00
69	Atrazine	40.000	33.985	15.0	93	0.00
70 C	Pentachlorophenol	40.000	53.575	-33.9#	140	0.00
71	Phenanthrene	40.000	37.819	5.5	107	0.00
72	Anthracene	40.000	37.948	5.1	107	0.00
73	Carbazole	40.000	38.220	4.5	107	0.00
74	Di-n-butylphthalate	40.000	39.444	1.4	111	0.00
75 C	Fluoranthene	40.000	38.098	4.8	108	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	108	0.00
77	Benzydine	40.000	38.664	3.3	92	0.00
78	Pyrene	40.000	40.606	-1.5	120	0.00
79 S	Terphenyl-d14	80.000	72.583	9.3	108	0.00
80	Butylbenzylphthalate	40.000	39.103	2.2	113	0.00
81	Benzo(a)anthracene	40.000	34.223	14.4	100	0.00
82	3,3'-Dichlorobenzidine	40.000	36.200	9.5	103	0.00
83	Chrysene	40.000	37.287	6.8	112	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	38.304	4.2	112	0.00
85 c	Di-n-octyl phthalate	40.000	38.886	2.8	113	0.00
86 I	Perylene-d12	20.000	20.000	0.0	103	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	38.376	4.1	101	-0.01
88	Benzo(b)fluoranthene	40.000	37.149	7.1	107	0.00
89	Benzo(k)fluoranthene	40.000	37.413	6.5	99	-0.01
90 C	Benzo(a)pyrene	40.000	37.294	6.8	101	0.00
91	Dibenzo(a,h)anthracene	40.000	38.458	3.9	101	-0.02
92	Benzo(g,h,i)perylene	40.000	38.883	2.8	103	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141336.D
Acq On : 31 Jan 2025 17:19
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jan 31 17:43:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 1



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.: Q1194 SAS No.: Q1194 SDG No.: Q1194

Instrument ID: BNA_F Calibration Date/Time: 02/03/2025 11:24

Lab File ID: BF141361.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 17:05

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.303	1.313		0.8	
Benzaldehyde	0.960	0.989		3.0	
Phenol-d6	1.657	1.641		-1.0	
Phenol	1.757	1.726		-1.8	20.0
bis(2-Chloroethyl)ether	1.347	1.302		-3.3	
2-Chlorophenol	1.396	1.420		1.7	
2-Methylphenol	1.135	1.098		-3.3	
2,2-oxybis(1-Chloropropane)	2.342	2.200		-6.1	
Acetophenone	0.475	0.501		5.5	
3+4-Methylphenols	1.393	1.446		3.8	
n-Nitroso-di-n-propylamine	0.985	0.973	0.050	-1.2	
Nitrobenzene-d5	0.379	0.397		4.7	
Hexachloroethane	0.571	0.590		3.3	
Nitrobenzene	0.393	0.407		3.6	
Isophorone	0.656	0.653		-0.5	
2-Nitrophenol	0.185	0.192		3.8	20.0
2,4-Dimethylphenol	0.236	0.234		-0.8	
bis(2-Chloroethoxy)methane	0.418	0.414		-1.0	
2,4-Dichlorophenol	0.289	0.297		2.8	20.0
Naphthalene	1.057	1.079		2.1	
4-Chloroaniline	0.358	0.348		-2.8	
Hexachlorobutadiene	0.194	0.207		6.7	20.0
Caprolactam	0.094	0.095		1.1	
4-Chloro-3-methylphenol	0.310	0.324		4.5	20.0
2-Methylnaphthalene	0.672	0.690		2.7	
Hexachlorocyclopentadiene	0.168	0.185	0.050	10.1	
2,4,6-Trichlorophenol	0.372	0.384		3.2	20.0
2-Fluorobiphenyl	1.299	1.315		1.2	
2,4,5-Trichlorophenol	0.405	0.416		2.7	
1,1-Biphenyl	1.560	1.548		-0.8	
2-Chloronaphthalene	1.216	1.208		-0.7	
2-Nitroaniline	0.382	0.392		2.6	
Dimethylphthalate	1.351	1.368		1.3	
Acenaphthylene	1.702	1.699		-0.2	
2,6-Dinitrotoluene	0.314	0.315		0.3	
3-Nitroaniline	0.307	0.322		4.9	
Acenaphthene	1.216	1.239		1.9	20.0
2,4-Dinitrophenol	0.146	0.163	0.050	11.6	
4-Nitrophenol	0.225	0.256	0.050	13.8	



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG No.: Q1194

Instrument ID: BNA_F Calibration Date/Time: 02/03/2025 11:24

Lab File ID: BF141361.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 17:05

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.627	1.650		1.4	
2,4-Dinitrotoluene	0.406	0.426		4.9	
Diethylphthalate	1.310	1.343		2.5	
4-Chlorophenyl-phenylether	0.617	0.635		2.9	
Fluorene	1.262	1.311		3.9	
4-Nitroaniline	0.302	0.331		9.6	
4,6-Dinitro-2-methylphenol	0.118	0.139		17.8	
n-Nitrosodiphenylamine	0.647	0.658		1.7	20.0
2,4,6-Tribromophenol	0.183	0.200		9.3	
4-Bromophenyl-phenylether	0.224	0.234		4.5	
Hexachlorobenzene	0.238	0.249		4.6	
Atrazine	0.216	0.216		0.0	
Pentachlorophenol	0.139	0.152		9.4	20.0
Phenanthrene	1.075	1.130		5.1	
Anthracene	1.053	1.117		6.1	
Carbazole	0.934	1.033		10.6	
Di-n-butylphthalate	1.132	1.220		7.8	
Fluoranthene	1.062	1.211		14.0	20.0
Pyrene	1.920	1.679		-12.6	
Terphenyl-d14	1.297	1.144		-11.8	
Butylbenzylphthalate	0.671	0.642		-4.3	
3,3-Dichlorobenzidine	0.439	0.436		-0.7	
Benzo (a) anthracene	1.380	1.322		-4.2	
Chrysene	1.265	1.235		-2.4	
Bis(2-ethylhexyl)phthalate	0.851	0.896		5.3	
Di-n-octyl phthalate	1.321	1.471		11.4	20.0
Benzo (b) fluoranthene	1.258	1.389		10.4	
Benzo (k) fluoranthene	1.114	1.030		-7.5	
Benzo (a) pyrene	1.063	1.103		3.8	20.0
Indeno (1,2,3-cd) pyrene	1.291	1.398		8.3	
Dibenzo (a,h) anthracene	1.039	1.124		8.2	
Benzo (g,h,i) perylene	1.080	1.182		9.4	
1,2,4,5-Tetrachlorobenzene	0.569	0.572		0.5	
1,4-Dioxane	0.573	0.630		9.9	20.0
2,3,4,6-Tetrachlorophenol	0.319	0.342		7.2	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
 Data File : BF141361.D
 Acq On : 03 Feb 2025 11:24
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Manual Integrations

APPROVED

Reviewed By :Jagrut
 Upadhyay

Quant Time: Feb 03 11:47:56 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Jan 29 17:41:25 2025

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	93803	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	362783	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	198566	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	334466	20.000	ng	0.00
76) Chrysene-d12	13.968	240	243574	20.000	ng	0.00
86) Perylene-d12	15.427	264	284769	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	492717	80.639	ng	0.00
7) Phenol-d6	6.439	99	615730	79.215	ng	0.00
23) Nitrobenzene-d5	7.363	82	576560	83.781	ng	0.00
42) 2,4,6-Tribromophenol	10.627	330	158958	87.321	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1044178	80.940	ng	0.00
79) Terphenyl-d14	12.910	244	1114591	70.570	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.475	88	118270	44.012	ng	99
3) Pyridine	3.210	79	248823	38.431	ng	97
4) n-Nitrosodimethylamine	3.163	42	157786	42.660	ng	92
6) Aniline	6.457	93	244181	37.112	ng	# 10
8) 2-Chlorophenol	6.587	128	266456	40.687	ng	98
9) Benzaldehyde	6.345	77	185452	41.190	ng	99
10) Phenol	6.451	94	323771	39.294	ng	# 73
11) bis(2-Chloroethyl)ether	6.534	93	244237	38.659	ng	99
12) 1,3-Dichlorobenzene	6.739	146	294934	40.844	ng	99
13) 1,4-Dichlorobenzene	6.816	146	294184	40.554	ng	99
14) 1,2-Dichlorobenzene	6.969	146	276119	40.649	ng	99
15) Benzyl Alcohol	6.939	79	227583	42.844	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.075	45	412661	37.563	ng	68
17) 2-Methylphenol	7.063	107	205926	38.689	ng	# 90
18) Hexachloroethane	7.310	117	110745	41.383	ng	97
19) n-Nitroso-di-n-propyla...	7.210	70	182630	39.542	ng	99
20) 3+4-Methylphenols	7.216	107	271346	41.520	ng	# 84
22) Acetophenone	7.204	105	363495	42.153	ng	# 96
24) Nitrobenzene	7.381	77	295113	41.381	ng	99
25) Isophorone	7.616	82	473753	39.825	ng	99
26) 2-Nitrophenol	7.698	139	139470	41.467	ng	99
27) 2,4-Dimethylphenol	7.739	122	169654m	39.629	ng	
28) bis(2-Chloroethoxy)met...	7.828	93	300026	39.540	ng	99
29) 2,4-Dichlorophenol	7.945	162	215476	41.114	ng	99
30) 1,2,4-Trichlorobenzene	8.022	180	243325	40.654	ng	99
31) Naphthalene	8.104	128	782884	40.850	ng	100
32) Benzoic acid	7.857	122	164754	41.864	ng	98
33) 4-Chloroaniline	8.151	127	252352	38.830	ng	99
34) Hexachlorobutadiene	8.216	225	150331	42.830	ng	99
35) Caprolactam	8.516	113	68685	40.128	ng	98
36) 4-Chloro-3-methylphenol	8.639	107	235016	41.805	ng	96
37) 2-Methylnaphthalene	8.792	142	500491	41.088	ng	100
38) 1-Methylnaphthalene	8.892	142	487831	40.770	ng	100
40) 1,2,4,5-Tetrachloroben...	8.957	216	227300	40.237	ng	99
41) Hexachlorocyclopentadiene	8.945	237	73377	43.983	ng	100
43) 2,4,6-Trichlorophenol	9.075	196	152514	41.248	ng	98

02/04/2025

Supervised By :mohammad
 Ahmed

02/06/2025

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
 Data File : BF141361.D
 Acq On : 03 Feb 2025 11:24
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Manual Integrations

APPROVED

Reviewed By :Jagrut

Upadhyay

Quant Time: Feb 03 11:47:56 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Jan 29 17:41:25 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.122	196	165119	41.031	ng	98
46) 1,1'-Biphenyl	9.257	154	614766	39.699	ng	98
47) 2-Chloronaphthalene	9.280	162	479677	39.740	ng	100
48) 2-Nitroaniline	9.380	65	155868	41.055	ng	98
49) Acenaphthylene	9.698	152	674542	39.923	ng	100
50) Dimethylphthalate	9.557	163	543455	40.523	ng	100
51) 2,6-Dinitrotoluene	9.622	165	125020	40.149	ng	98
52) Acenaphthene	9.869	154	491940	40.755	ng	99
53) 3-Nitroaniline	9.792	138	127750	41.859	ng	98
54) 2,4-Dinitrophenol	9.898	184	64595	44.625	ng	93
55) Dibenzofuran	10.039	168	655150	40.548	ng	98
56) 4-Nitrophenol	9.975	139	101492	45.471	ng	96
57) 2,4-Dinitrotoluene	10.022	165	169109	41.946	ng	97
58) Fluorene	10.380	166	520788	41.554	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.163	232	135793	42.892	ng	99
60) Diethylphthalate	10.257	149	533471	41.025	ng	99
61) 4-Chlorophenyl-phenyle...	10.374	204	252040	41.170	ng	98
62) 4-Nitroaniline	10.404	138	131617	43.865	ng	96
63) Azobenzene	10.533	77	521272	40.048	ng	98
65) 4,6-Dinitro-2-methylph...	10.433	198	92723	46.869	ng	99
66) n-Nitrosodiphenylamine	10.498	169	440088	40.682	ng	100
67) 4-Bromophenyl-phenylether	10.869	248	156199	41.715	ng	97
68) Hexachlorobenzene	10.933	284	166289	41.866	ng	97
69) Atrazine	11.022	200	144588	39.975	ng	98
70) Pentachlorophenol	11.127	266	101747	43.745	ng	98
71) Phenanthrene	11.345	178	756115	42.056	ng	100
72) Anthracene	11.398	178	747273	42.420	ng	100
73) Carbazole	11.551	167	690858	44.227	ng	99
74) Di-n-butylphthalate	11.886	149	815911	43.100	ng	100
75) Fluoranthene	12.533	202	809964	45.626	ng	99
77) Benzidine	12.657	184	305172	39.082	ng	99
78) Pyrene	12.763	202	817992	34.986	ng	100
80) Butylbenzylphthalate	13.386	149	312910	38.308	ng	99
81) Benzo(a)anthracene	13.957	228	644165	38.325	ng	99
82) 3,3'-Dichlorobenzidine	13.921	252	212156	39.687	ng	99
83) Chrysene	13.992	228	601529	39.050	ng	100
84) Bis(2-ethylhexyl)phtha...	13.945	149	436692	42.145	ng	98
85) Di-n-octyl phthalate	14.574	149	716424	44.516	ng	100
87) Indeno(1,2,3-cd)pyrene	16.874	276	796465	43.334	ng	100
88) Benzo(b)fluoranthene	15.009	252	791291	44.175	ng	100
89) Benzo(k)fluoranthene	15.039	252	586341	36.950	ng	100
90) Benzo(a)pyrene	15.368	252	628247	41.504	ng	100
91) Dibenzo(a,h)anthracene	16.898	278	640257	43.298	ng	100
92) Benzo(g,h,i)perylene	17.315	276	672962	43.768	ng	100

02/04/2025

Supervised By :mohammad
ahmed

02/06/2025

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

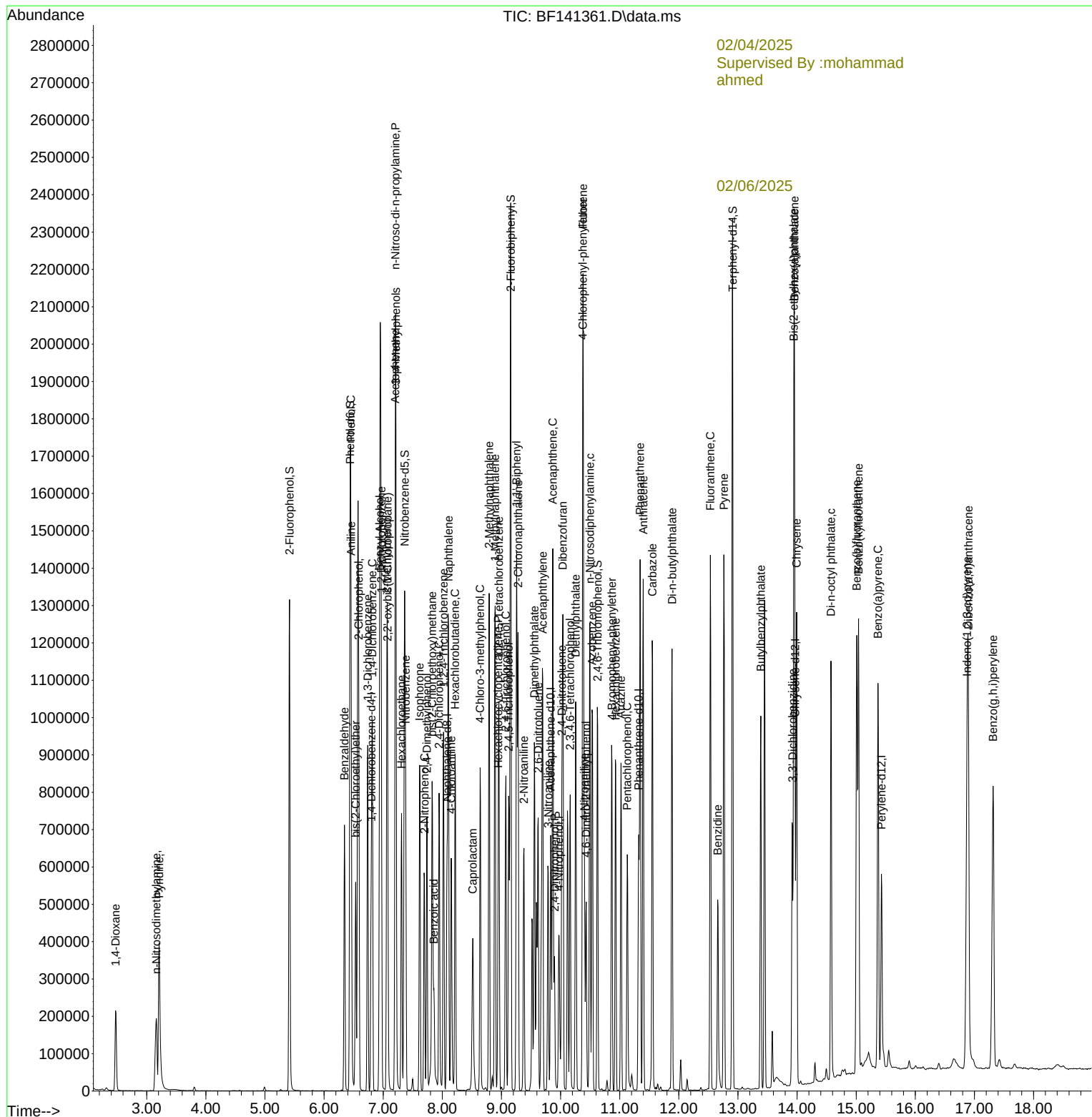
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
 Data File : BF141361.D
 Acq On : 03 Feb 2025 11:24
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

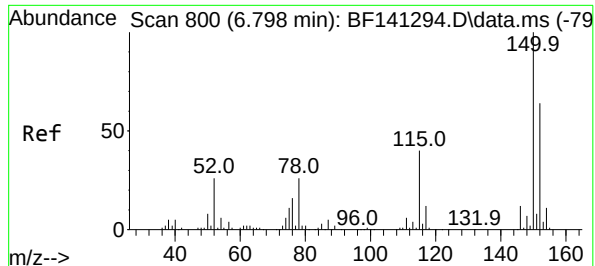
Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Manual Integrations
 APPROVED

Reviewed By :Jagrut
 Upadhyay

Quant Time: Feb 03 11:47:56 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration





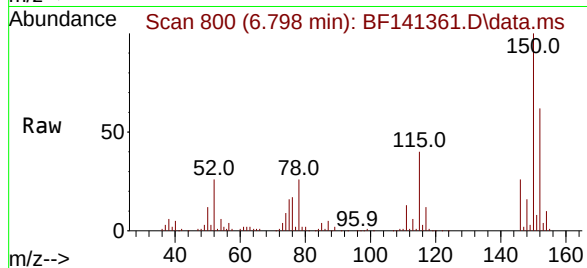
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Instrument :

BNA_F

ClientSampleId :

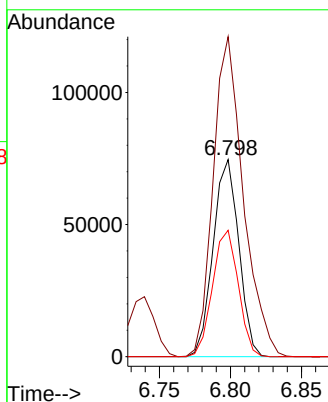
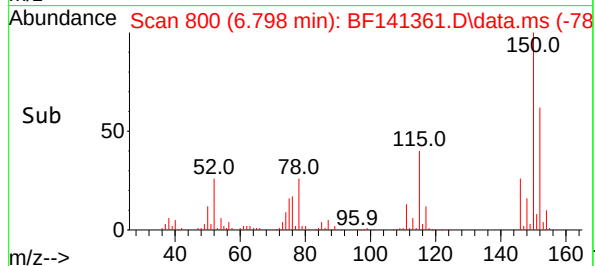
SSTDCCC040



Tgt Ion:152 Resp: 93800
Ion Ratio Lower Upper
152 100
150 162.4 125.9 188.9
115 64.2 49.7 74.5

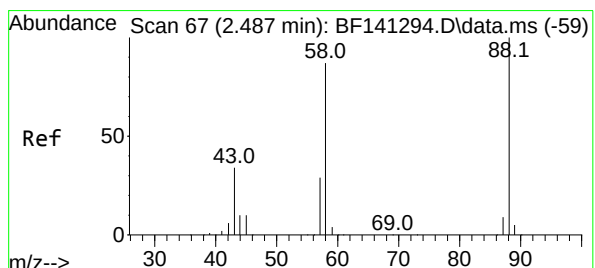
Manual Integrations
APPROVED

Reviewed By :Jagrut
Upadhyay

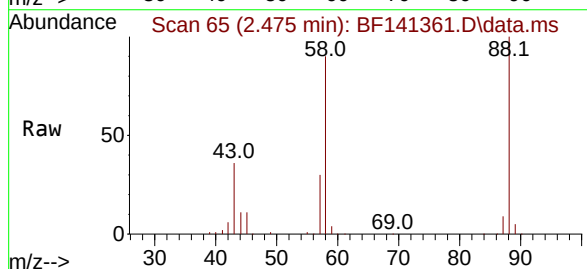


02/04/2025
Supervised By :mohammad
ahmed

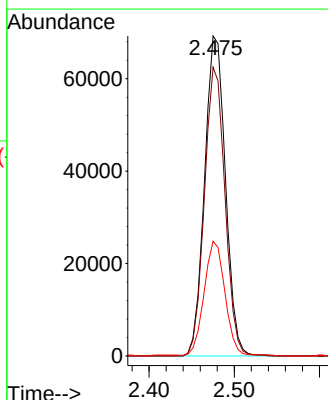
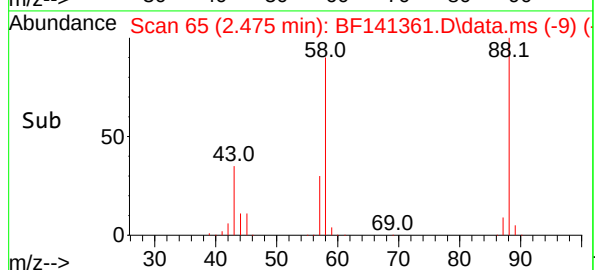
02/06/2025

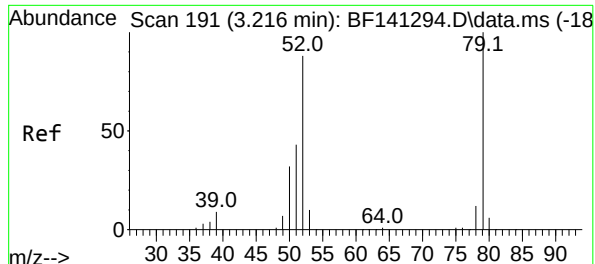


#2
1,4-Dioxane
Concen: 44.012 ng
RT: 2.475 min Scan# 65
Delta R.T. -0.018 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24



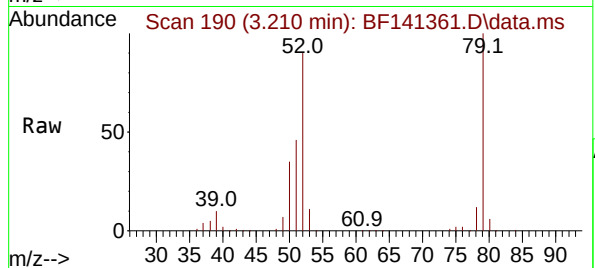
Tgt Ion: 88 Resp: 118270
Ion Ratio Lower Upper
88 100
58 88.7 70.2 105.4
43 36.1 27.6 41.4





#3
Pyridine
Concen: 38.431 ng
RT: 3.210 min Scan# 191
Delta R.T. -0.018 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

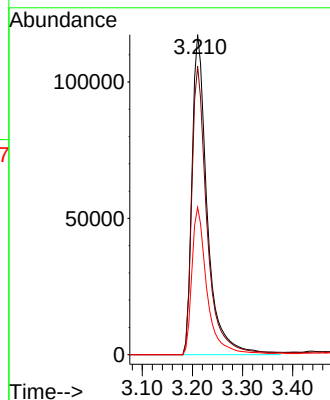
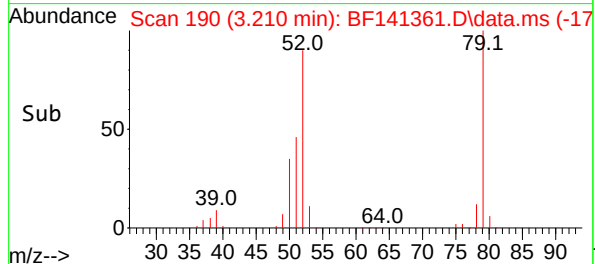
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion: 79 Resp: 24882
Ion Ratio Lower Upper
79 100
52 90.1 70.3 105.5
51 46.1 34.3 51.5

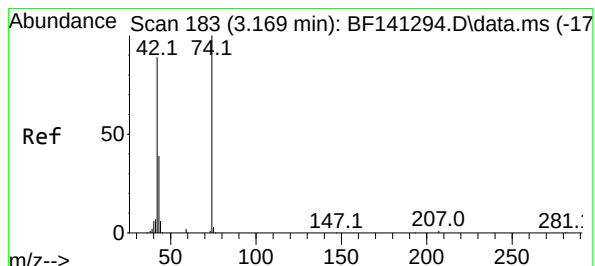
Manual Integrations
APPROVED

Reviewed By :Jagrut
Upadhyay

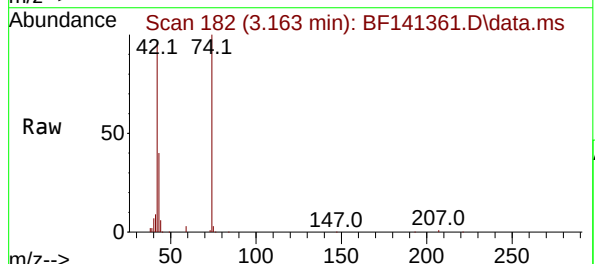


02/04/2025
Supervised By :mohammad
ahmed

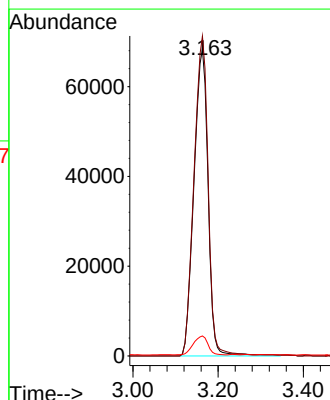
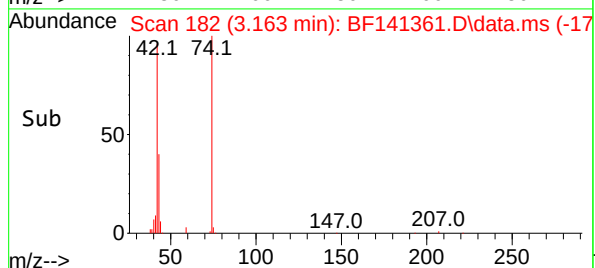
02/06/2025

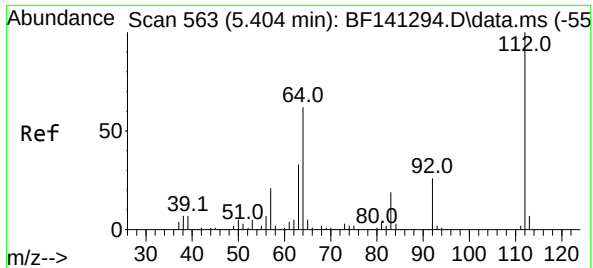


#4
n-Nitrosodimethylamine
Concen: 42.660 ng
RT: 3.163 min Scan# 182
Delta R.T. -0.036 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24



Tgt Ion: 42 Resp: 157786
Ion Ratio Lower Upper
42 100
74 104.4 90.3 135.5
44 6.5 5.7 8.5





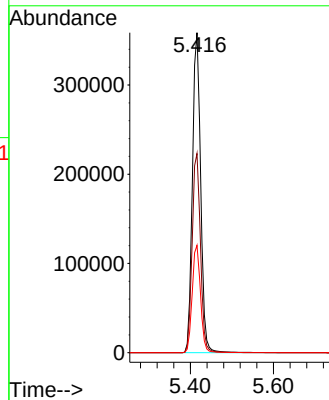
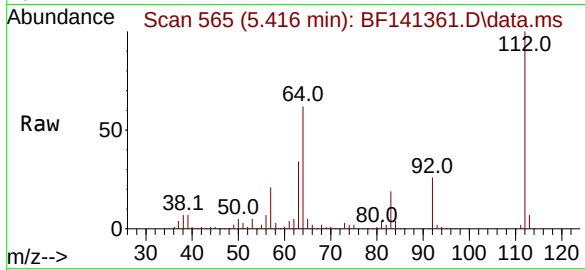
#5
2-Fluorophenol
Concen: 80.639 ng
RT: 5.416 min Scan# 50
Delta R.T. 0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 49271
Ion Ratio Lower Upper
112 100
64 62.3 49.8 74.8
63 33.5 26.1 39.1

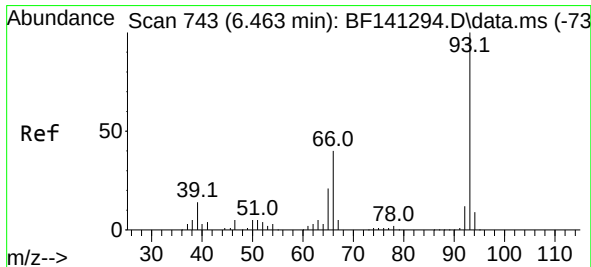
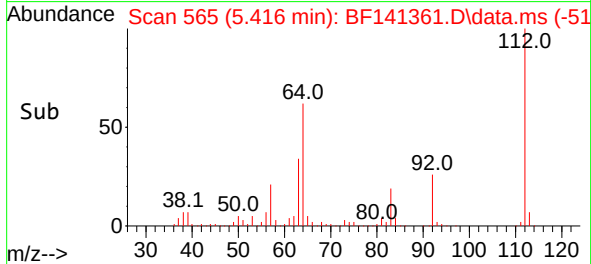
Manual Integrations
APPROVED

Reviewed By :Jagrut
Upadhyay



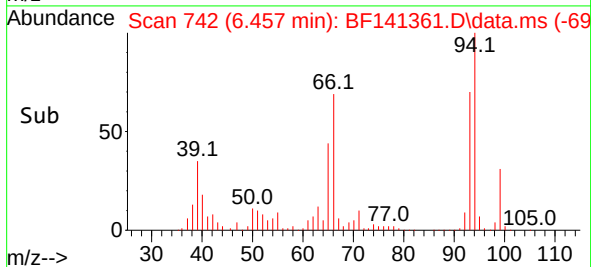
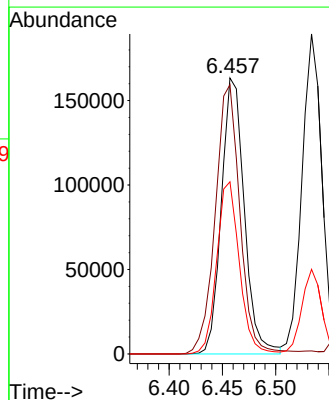
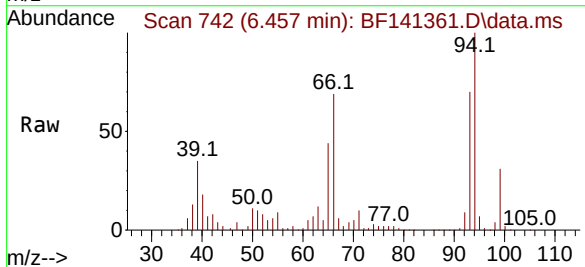
02/04/2025
Supervised By :mohammad
ahmed

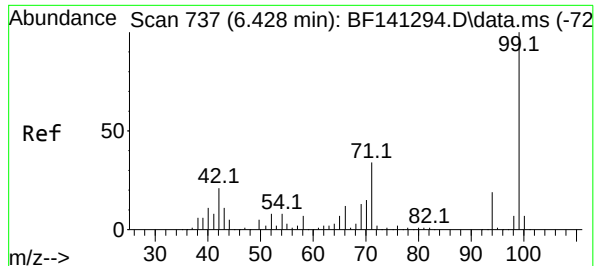
02/06/2025



#6
Aniline
Concen: 37.112 ng
RT: 6.457 min Scan# 742
Delta R.T. -0.012 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

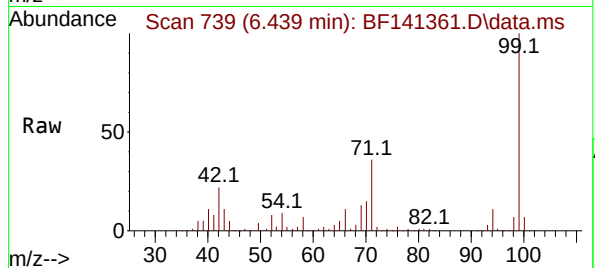
Tgt Ion: 93 Resp: 244181
Ion Ratio Lower Upper
93 100
66 97.6 32.5 48.7#
65 62.4 17.0 25.6#





#7
Phenol-d6
Concen: 79.215 ng
RT: 6.439 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

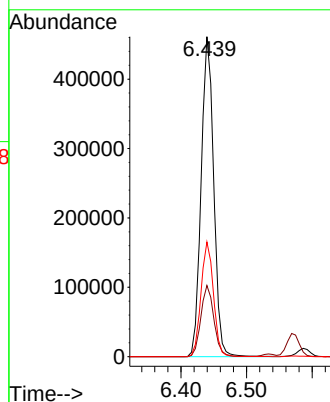
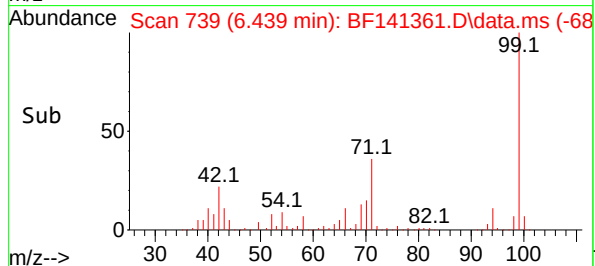
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion: 99 Resp: 615730
Ion Ratio Lower Upper
99 100
42 22.3 17.1 25.7
71 35.8 26.9 40.3

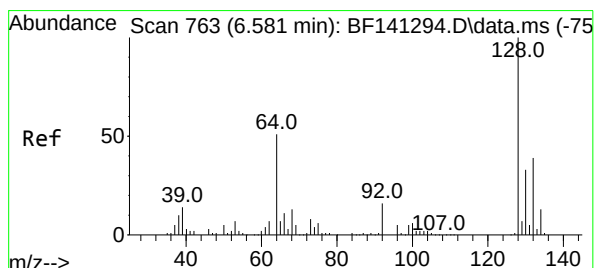
Manual Integrations
APPROVED

Reviewed By :Jagrut
Upadhyay



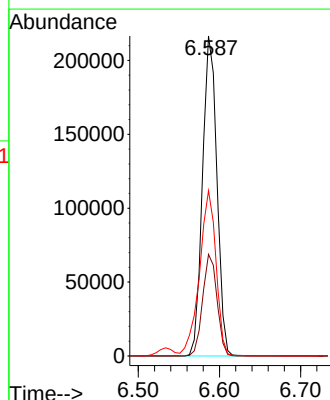
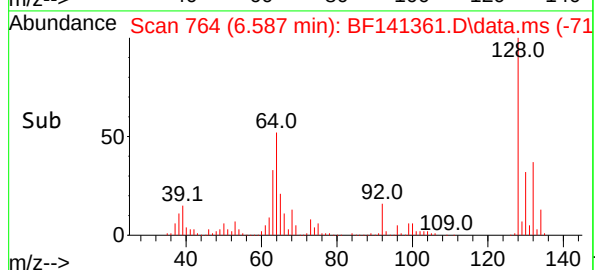
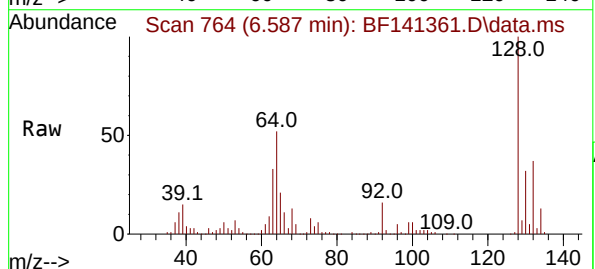
02/04/2025
Supervised By :mohammad
ahmed

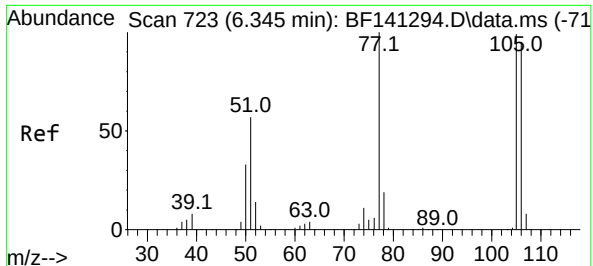
02/06/2025



#8
2-Chlorophenol
Concen: 40.687 ng
RT: 6.587 min Scan# 764
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

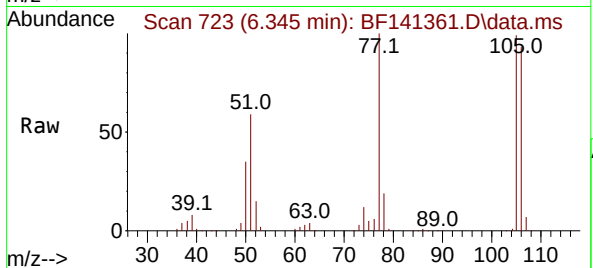
Tgt Ion:128 Resp: 266456
Ion Ratio Lower Upper
128 100
130 31.8 12.5 52.5
64 51.7 32.9 72.9





#9
Benzaldehyde
Concen: 41.190 ng
RT: 6.345 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

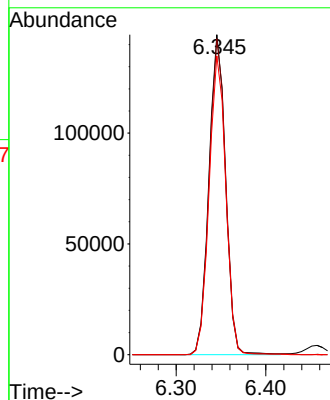
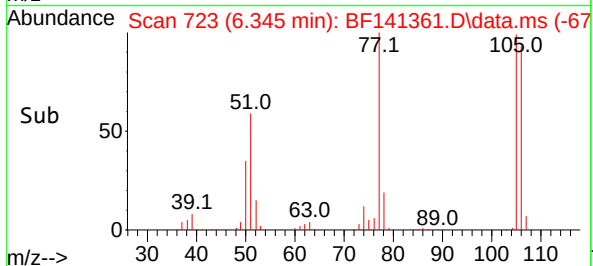
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion: 77 Resp: 185452
Ion Ratio Lower Upper
77 100
105 98.8 79.4 119.4
106 93.4 74.6 114.6

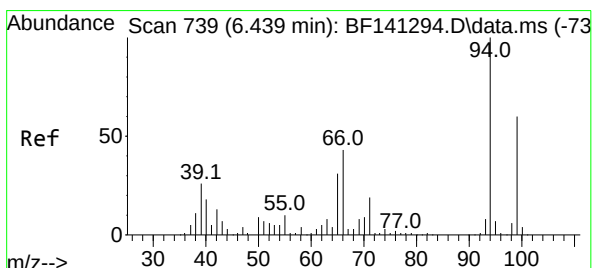
Manual Integrations
APPROVED

Reviewed By :Jagrut
Upadhyay



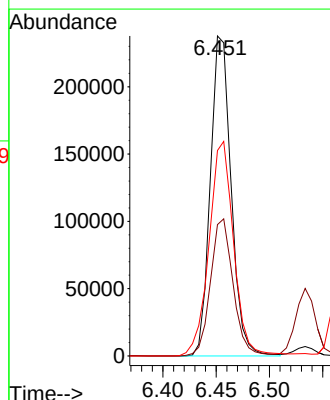
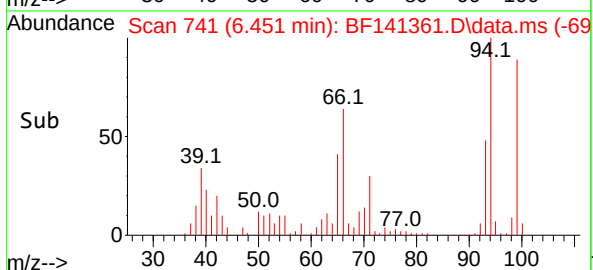
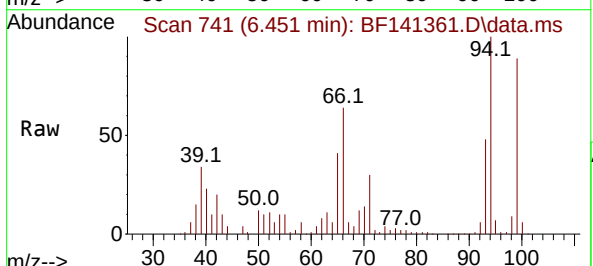
02/04/2025
Supervised By :mohammad
ahmed

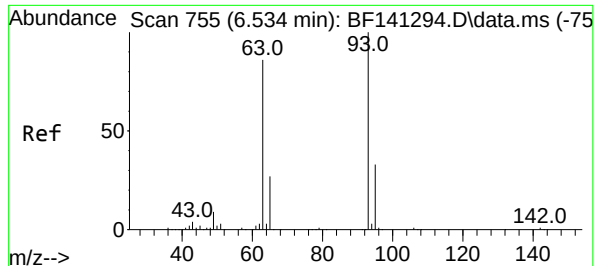
02/06/2025



#10
Phenol
Concen: 39.294 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.000 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion: 94 Resp: 323771
Ion Ratio Lower Upper
94 100
65 41.1 10.8 50.8
66 64.2 23.3 63.3#





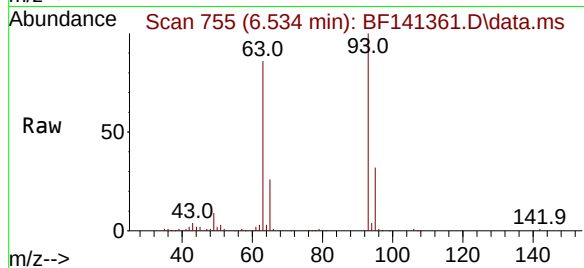
#11
bis(2-Chloroethyl)ether
Concen: 38.659 ng
RT: 6.534 min Scan# 755
Delta R.T. -0.012 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Instrument :

BNA_F

ClientSampleId :

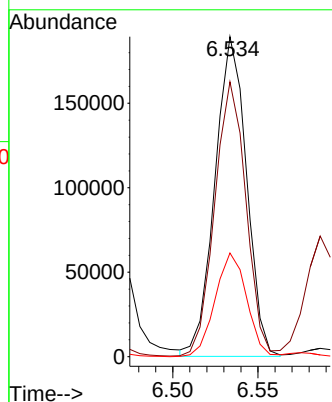
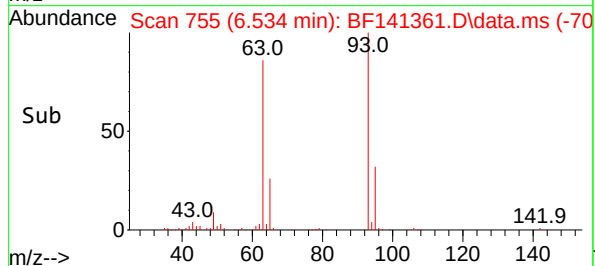
SSTDCCC040



Tgt Ion: 93 Resp: 24423
Ion Ratio Lower Upper
93 100
63 85.9 65.0 105.0
95 32.4 12.4 52.4

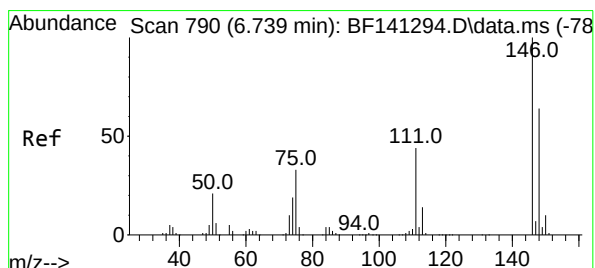
Manual Integrations
APPROVED

Reviewed By :Jagrut
Upadhyay

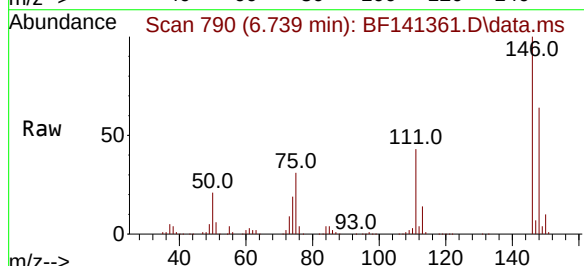


02/04/2025
Supervised By :mohammad
ahmed

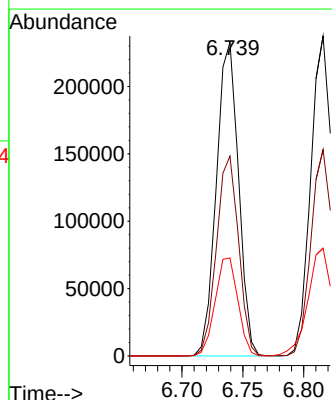
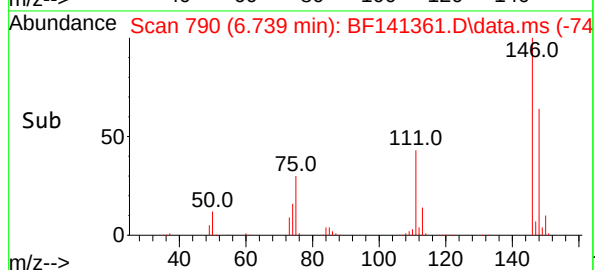
02/06/2025

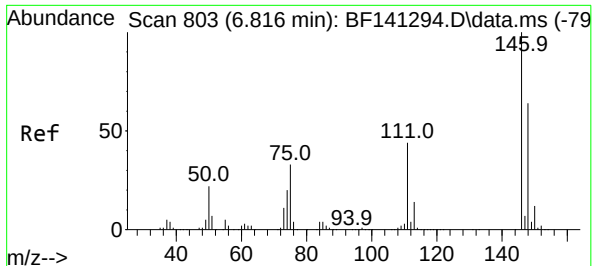


#12
1,3-Dichlorobenzene
Concen: 40.844 ng
RT: 6.739 min Scan# 790
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24



Tgt Ion:146 Resp: 294934
Ion Ratio Lower Upper
146 100
148 63.7 51.2 76.8
75 31.3 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 40.554 ng

RT: 6.816 min Scan# 803

Delta R.T. -0.006 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:146 Resp: 294184

Ion Ratio Lower Upper

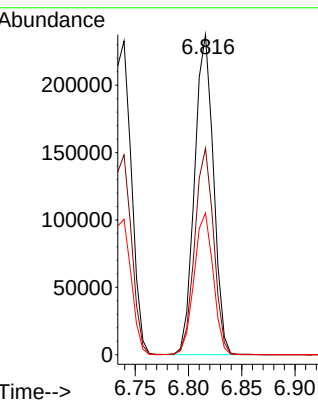
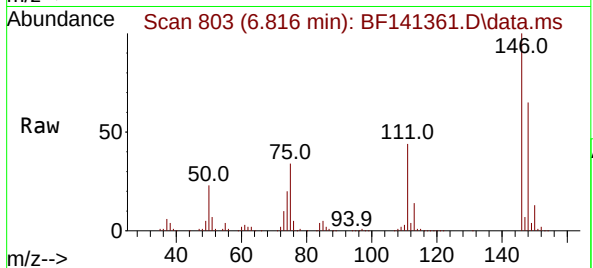
146 100

148 64.5 51.2 76.8

111 44.2 35.0 52.4

Manual Integrations

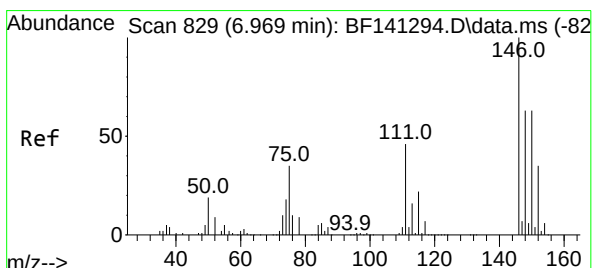
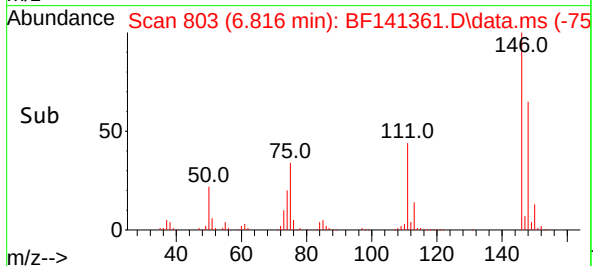
APPROVED

Reviewed By :Jagrut
Upadhyay

02/04/2025

Supervised By :mohammad
ahmed

02/06/2025



#14

1,2-Dichlorobenzene

Concen: 40.649 ng

RT: 6.969 min Scan# 829

Delta R.T. -0.006 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

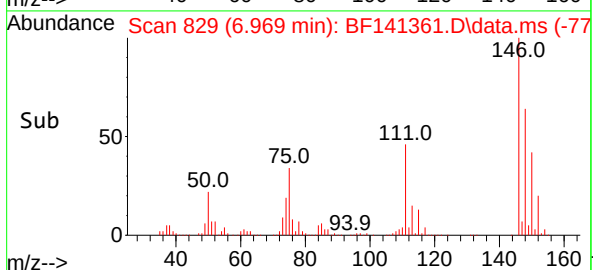
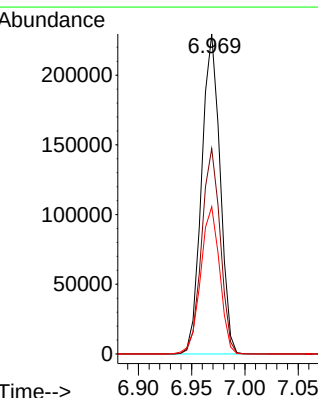
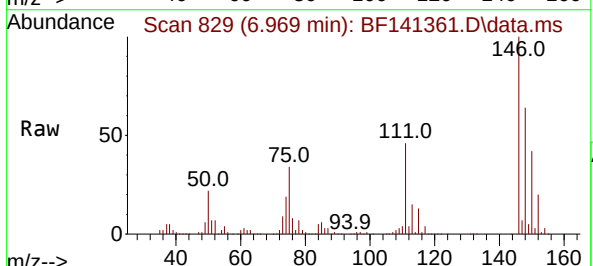
Tgt Ion:146 Resp: 276119

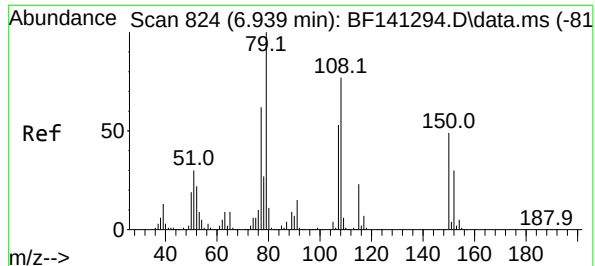
Ion Ratio Lower Upper

146 100

148 64.2 50.5 75.7

111 46.0 36.6 55.0





#15

Benzyl Alcohol

Concen: 42.844 ng

RT: 6.939 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 79 Resp: 22758

Ion Ratio Lower Upper

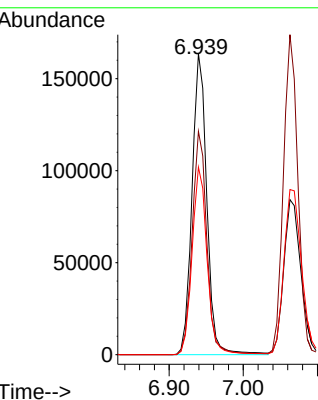
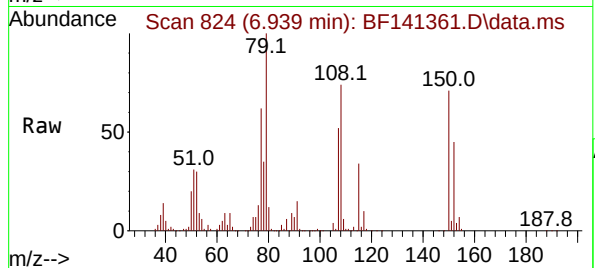
79 100

108 74.2 61.4 92.0

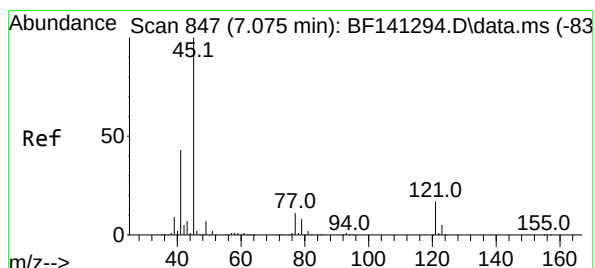
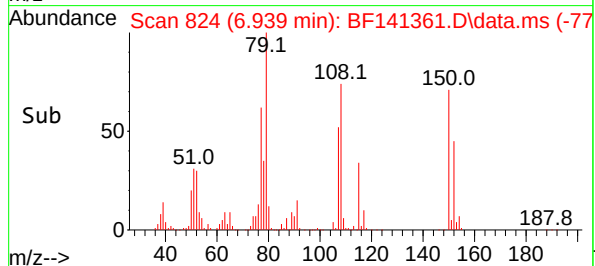
77 62.3 49.9 74.9

Manual Integrations

APPROVED

Reviewed By :Jagrut
Upadhyay02/04/2025
Supervised By :mohammad
ahmed

02/06/2025



#16

2,2'-oxybis(1-chloropropane)

Concen: 37.563 ng

RT: 7.075 min Scan# 847

Delta R.T. -0.006 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

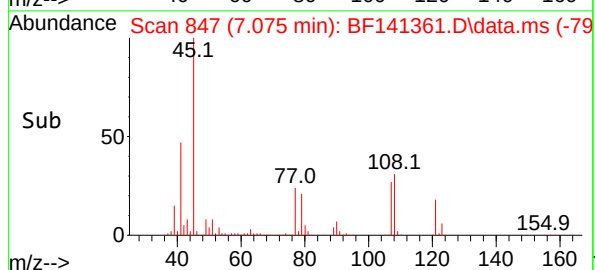
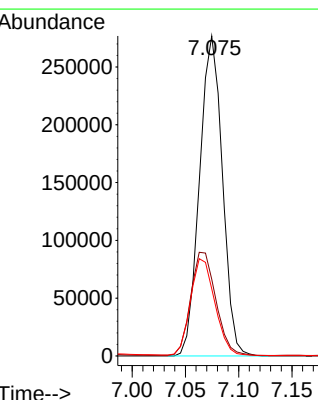
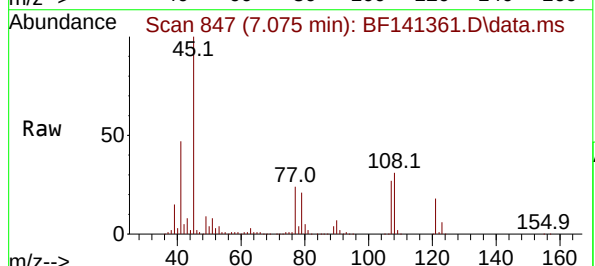
Tgt Ion: 45 Resp: 412661

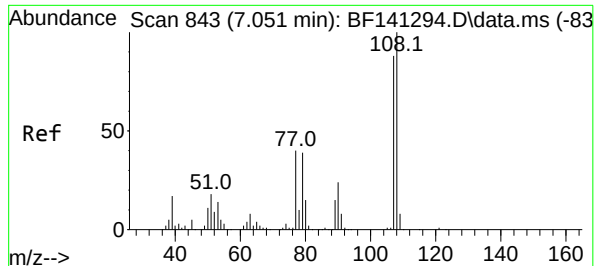
Ion Ratio Lower Upper

45 100

77 24.0 0.0 31.8

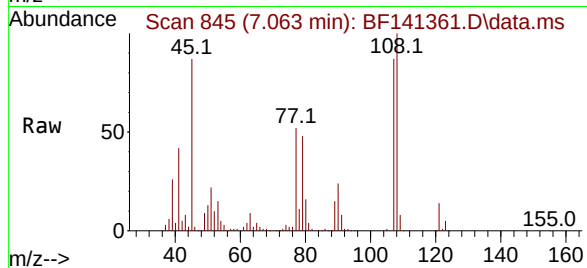
79 21.0 0.0 29.1





#17
2-Methylphenol
Concen: 38.689 ng
RT: 7.063 min Scan# 843
Delta R.T. 0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

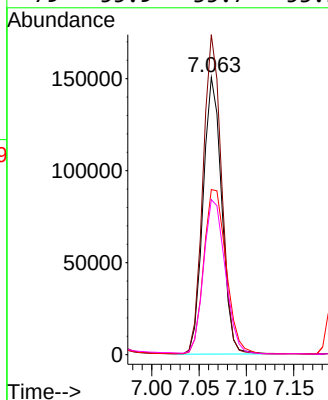
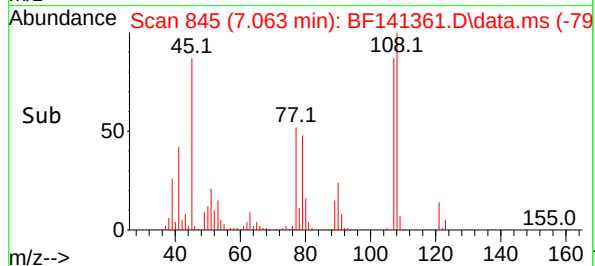
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:107 Resp: 205920
Ion Ratio Lower Upper
107 100
108 115.4 90.8 136.2
77 59.5 36.2 54.4
79 55.9 35.7 53.5#

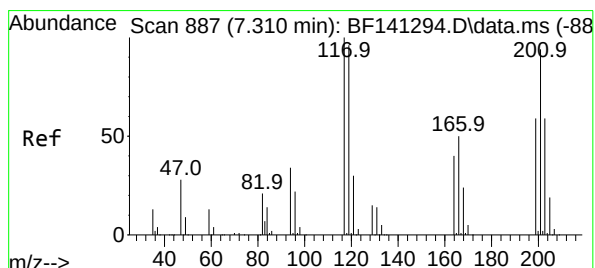
Manual Integrations
APPROVED

Reviewed By :Jagrut
Upadhyay



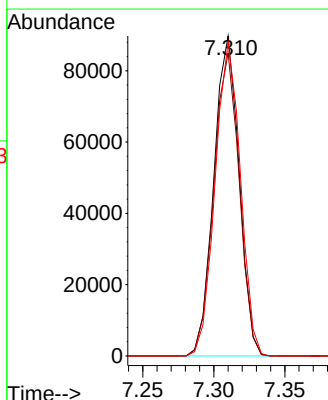
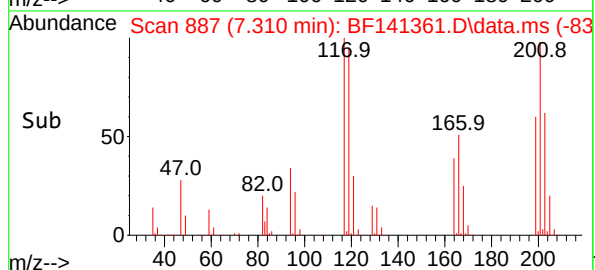
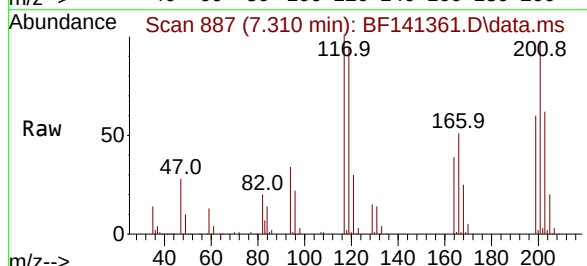
02/04/2025
Supervised By :mohammad
ahmed

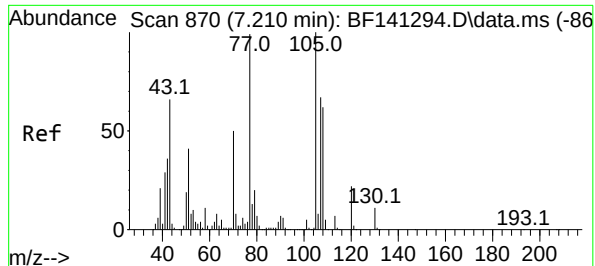
02/06/2025



#18
Hexachloroethane
Concen: 41.383 ng
RT: 7.310 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:117 Resp: 110745
Ion Ratio Lower Upper
117 100
119 94.7 76.6 114.8
201 98.0 74.8 112.2





#19

n-Nitroso-di-n-propylamine

Concen: 39.542 ng

RT: 7.210 min Scan# 870

Delta R.T. -0.018 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 70 Resp: 182630

Ion Ratio Lower Upper

70 100

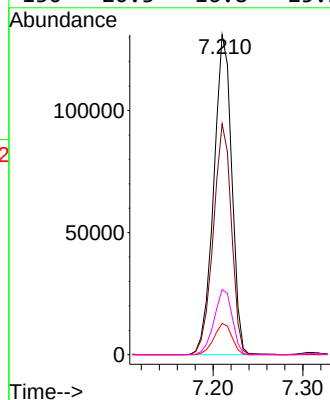
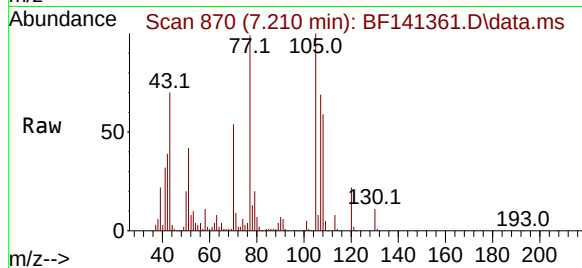
42 72.2 56.8 85.2

101 9.8 7.7 11.5

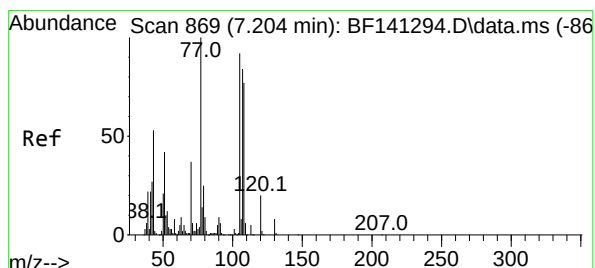
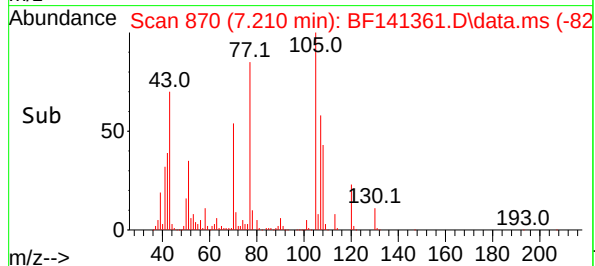
130 20.3 16.8 25.2

Manual Integrations

APPROVED

Reviewed By :Jagrut
Upadhyay02/04/2025
Supervised By :mohammad
ahmed

02/06/2025



#20

3+4-Methylphenols

Concen: 41.520 ng

RT: 7.216 min Scan# 871

Delta R.T. -0.000 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

Tgt Ion:107 Resp: 271346

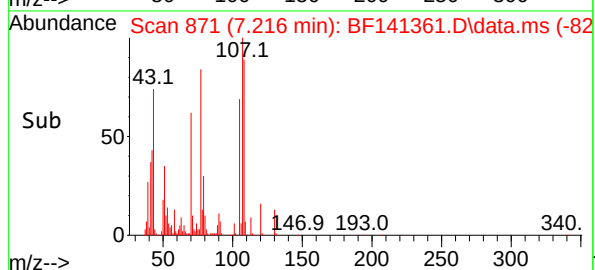
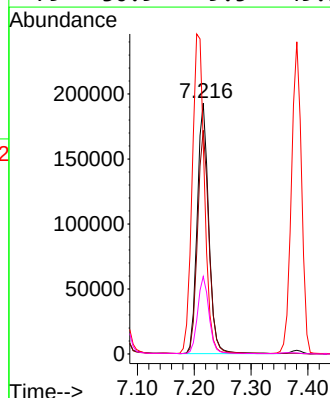
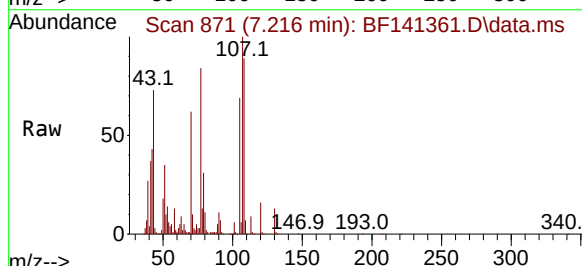
Ion Ratio Lower Upper

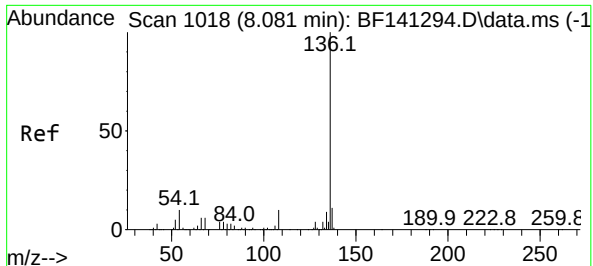
107 100

108 89.2 70.9 110.9

77 84.4 98.5 138.5#

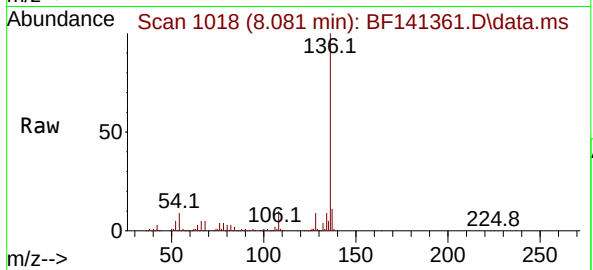
79 30.9 9.5 49.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

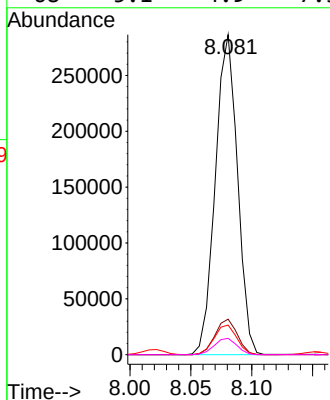
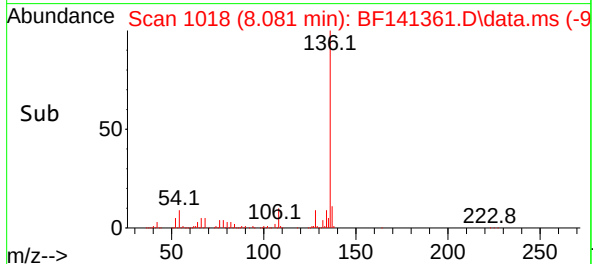
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:136 Resp: 362783
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 9.3 7.8 11.8
68 5.1 4.9 7.3

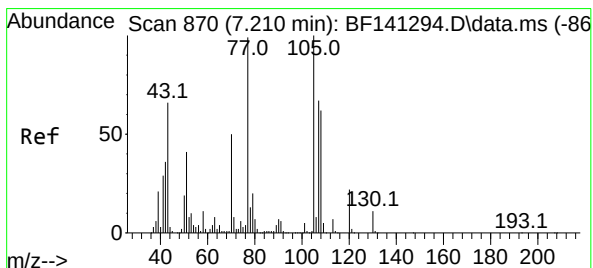
Manual Integrations
APPROVED

Reviewed By :Jagrut
Upadhyay

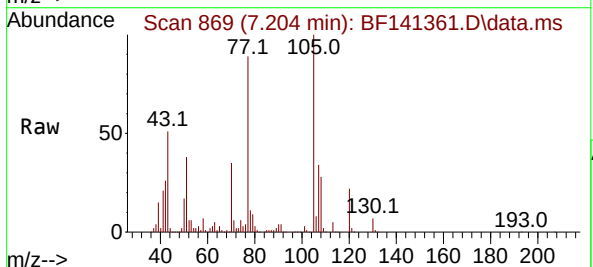


02/04/2025
Supervised By :mohammad
ahmed

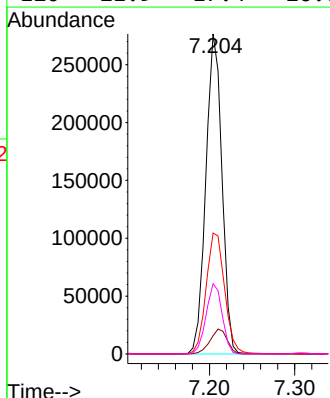
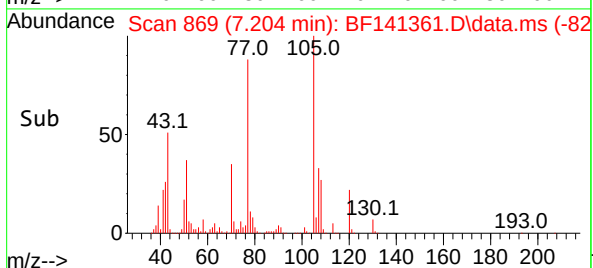
02/06/2025

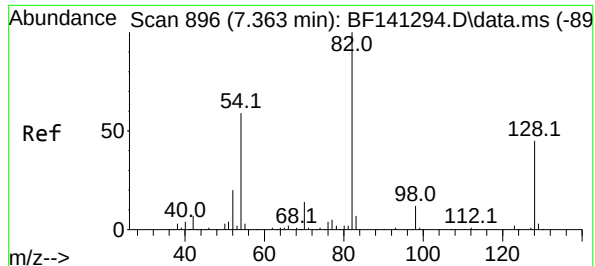


#22
Acetophenone
Concen: 42.153 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24



Tgt Ion:105 Resp: 363495
Ion Ratio Lower Upper
105 100
71 5.7 6.8 10.2#
51 37.8 32.6 49.0
120 21.9 17.4 26.0





#23

Nitrobenzene-d5

Concen: 83.781 ng

RT: 7.363 min Scan# 896

Delta R.T. -0.006 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 82 Resp: 576560

Ion Ratio Lower Upper

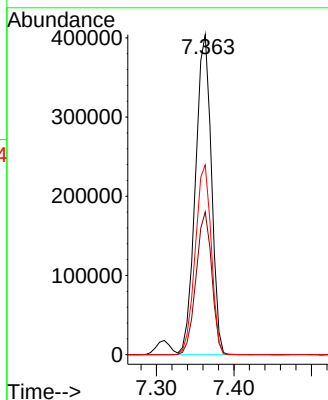
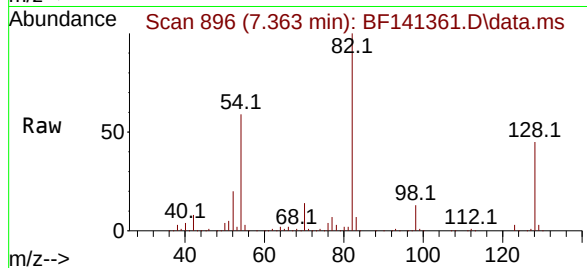
82 100

128 44.6 35.7 53.5

54 59.3 47.1 70.7

Manual Integrations

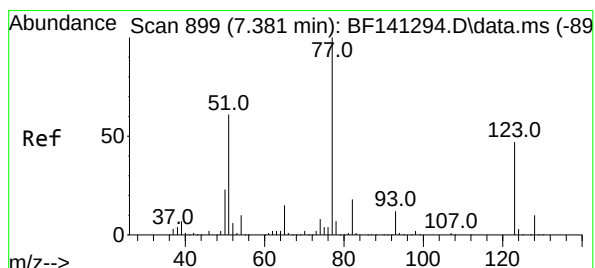
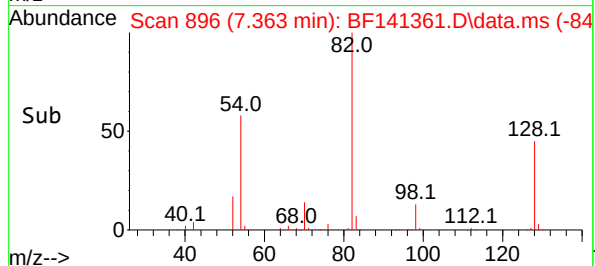
APPROVED

Reviewed By :Jagrut
Upadhyay

02/04/2025

Supervised By :mohammad
ahmed

02/06/2025



#24

Nitrobenzene

Concen: 41.381 ng

RT: 7.381 min Scan# 899

Delta R.T. -0.012 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

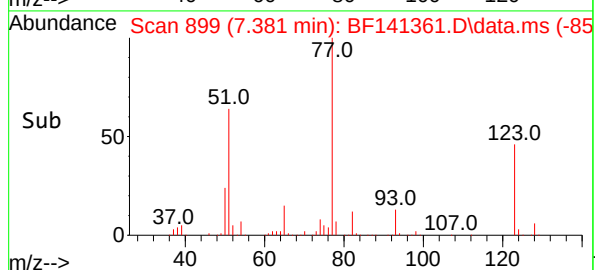
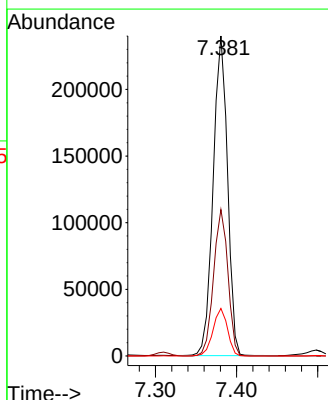
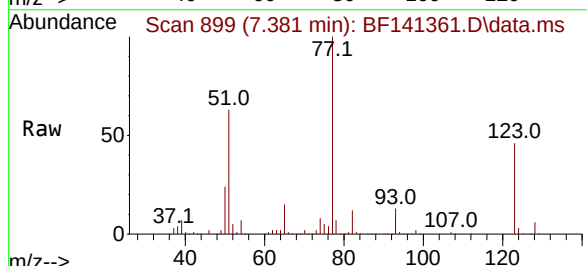
Tgt Ion: 77 Resp: 295113

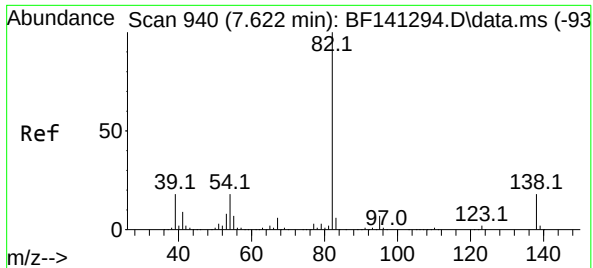
Ion Ratio Lower Upper

77 100

123 45.8 37.3 55.9

65 14.9 11.8 17.6





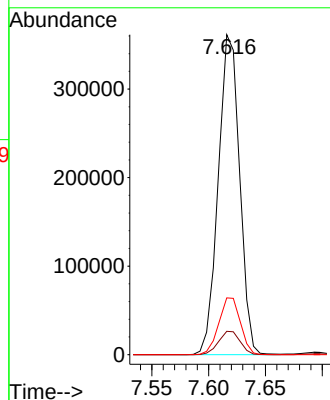
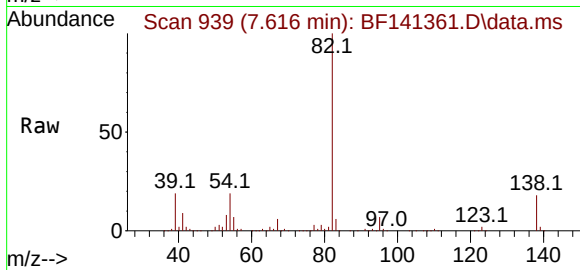
#25
Isophorone
Concen: 39.825 ng
RT: 7.616 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 47375
Ion Ratio Lower Upper
82 100
95 7.3 5.8 8.6
138 17.7 14.7 22.1

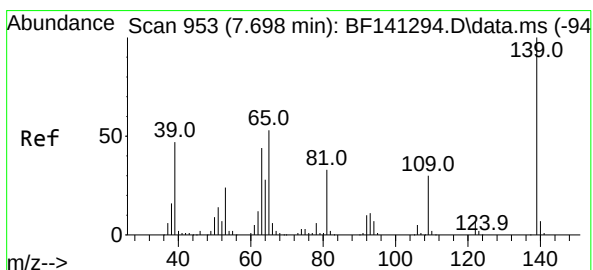
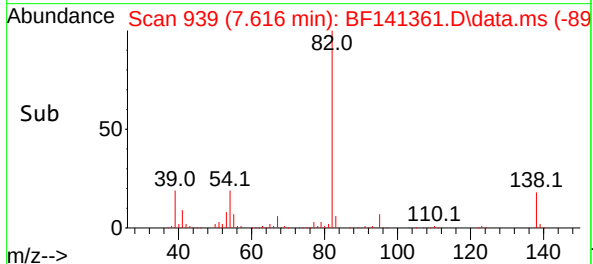
Manual Integrations
APPROVED

Reviewed By :Jagrut
Upadhyay



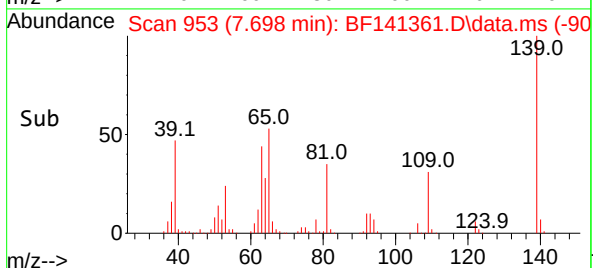
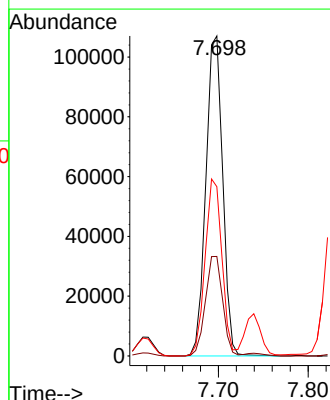
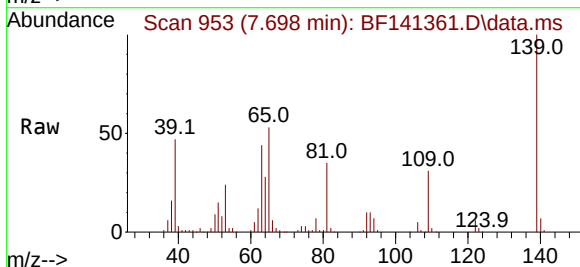
02/04/2025
Supervised By :mohammad
ahmed

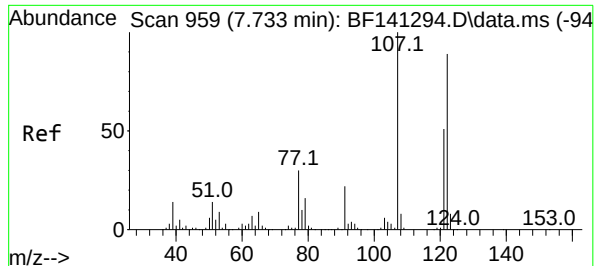
02/06/2025



#26
2-Nitrophenol
Concen: 41.467 ng
RT: 7.698 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:139 Resp: 139470
Ion Ratio Lower Upper
139 100
109 31.1 23.8 35.6
65 52.9 42.2 63.4





#27

2,4-Dimethylphenol

Concen: 39.629 ng m

RT: 7.739 min Scan# 90

Delta R.T. -0.000 min

Lab File: BF141361.D

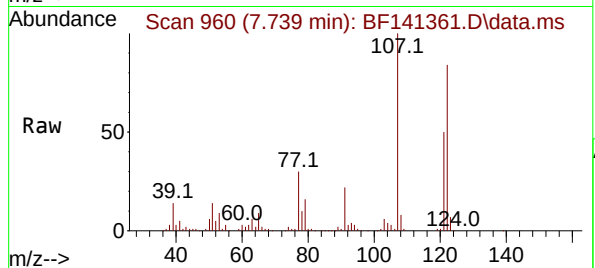
Acq: 03 Feb 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:122 Resp: 169654

Ion Ratio Lower Upper

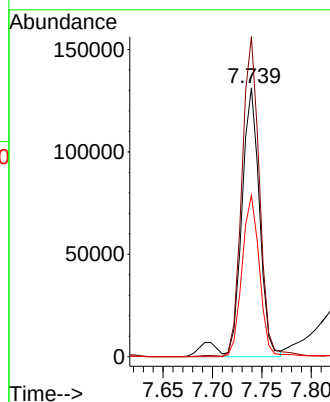
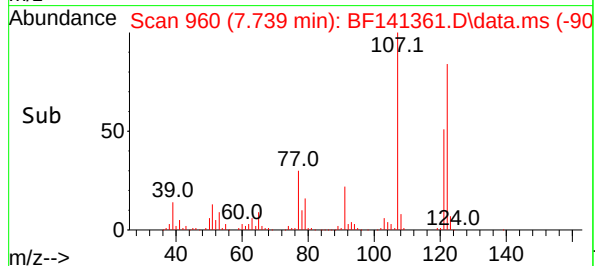
122 100

107 119.1 89.9 134.9

121 60.1 46.1 69.1

Manual Integrations

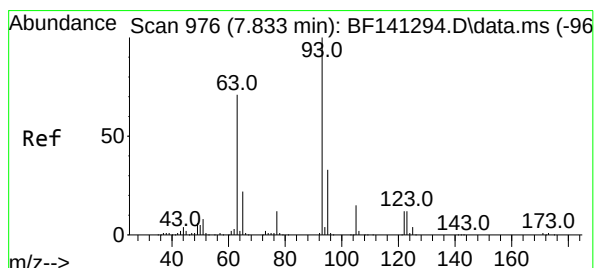
APPROVED

Reviewed By :Jagrut
Upadhyay

02/04/2025

Supervised By :mohammad
ahmed

02/06/2025



#28

bis(2-Chloroethoxy)methane

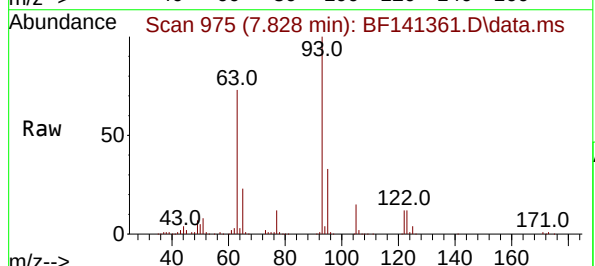
Concen: 39.540 ng

RT: 7.828 min Scan# 975

Delta R.T. -0.012 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24



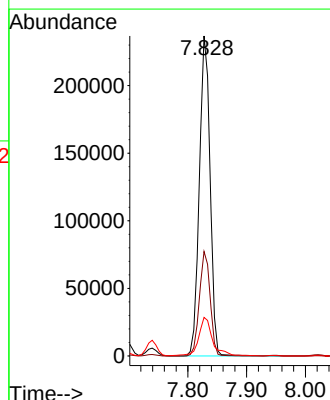
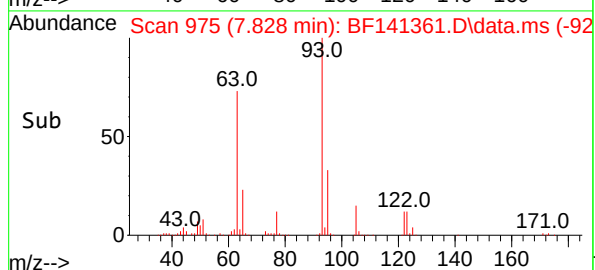
Tgt Ion: 93 Resp: 300026

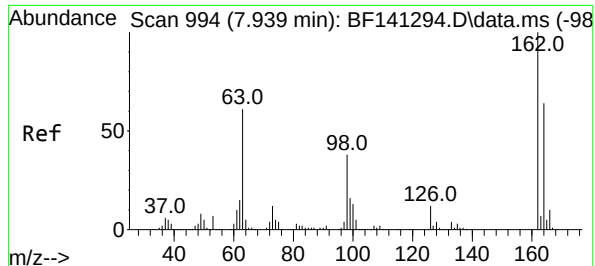
Ion Ratio Lower Upper

93 100

95 32.7 26.2 39.2

123 12.1 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 41.114 ng

RT: 7.945 min Scan# 994

Delta R.T. -0.000 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:162 Resp: 215470

Ion Ratio Lower Upper

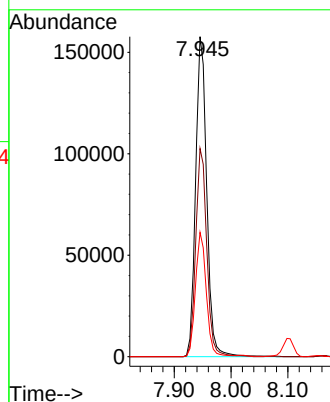
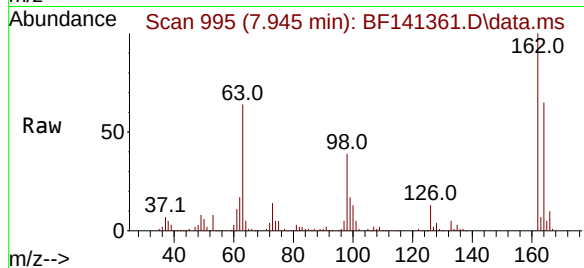
162 100

164 65.1 44.2 84.2

98 38.9 18.2 58.2

Manual Integrations

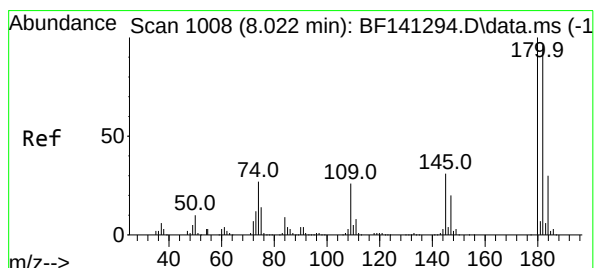
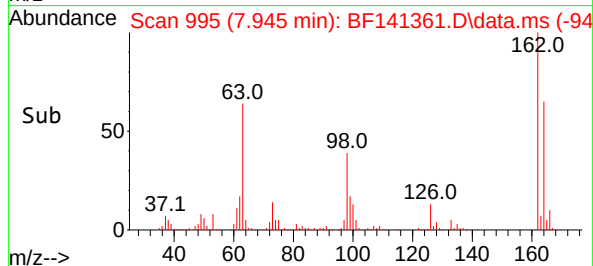
APPROVED

Reviewed By :Jagrut
Upadhyay

02/04/2025

Supervised By :mohammad
ahmed

02/06/2025



#30

1,2,4-Trichlorobenzene

Concen: 40.654 ng

RT: 8.022 min Scan# 1008

Delta R.T. -0.006 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

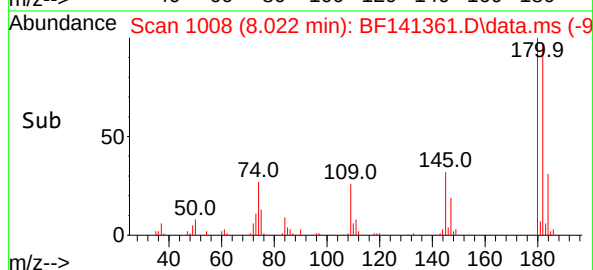
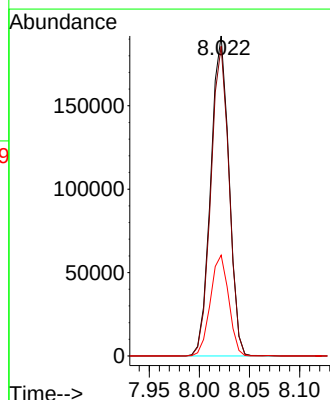
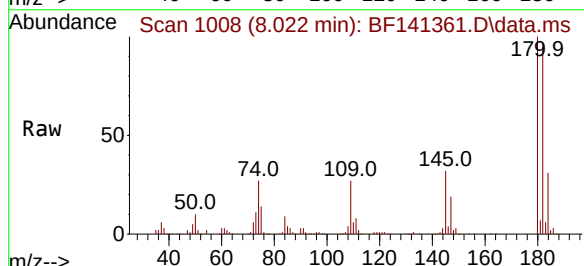
Tgt Ion:180 Resp: 243325

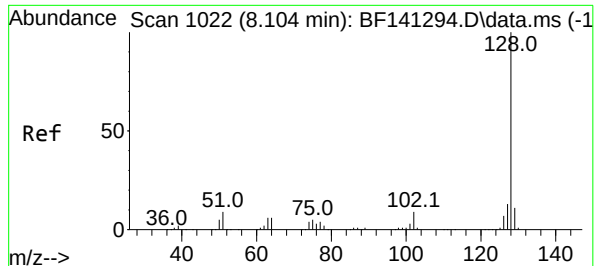
Ion Ratio Lower Upper

180 100

182 96.8 76.4 114.6

145 31.5 24.9 37.3





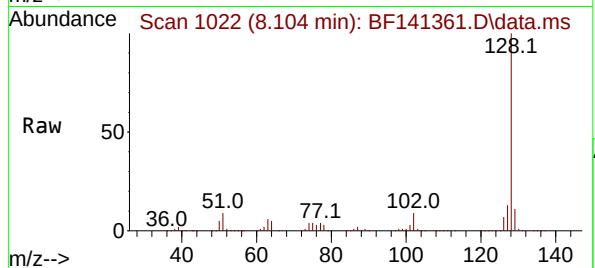
#31
Naphthalene
Concen: 40.850 ng
RT: 8.104 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Instrument :

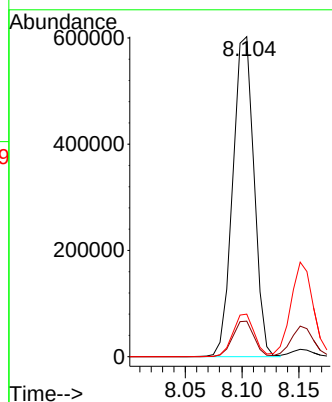
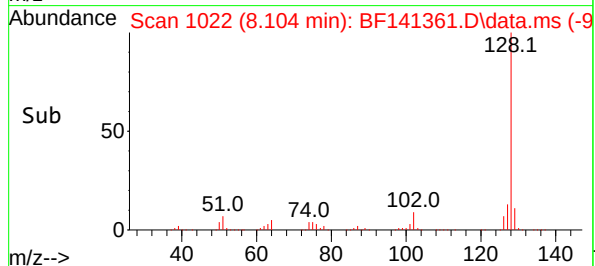
BNA_F

ClientSampleId :

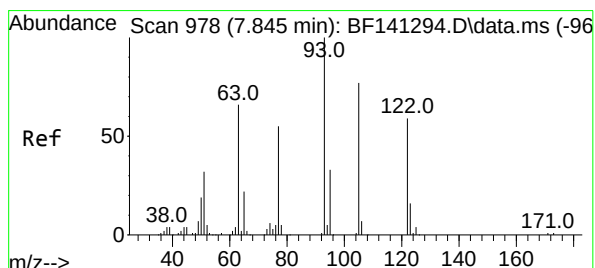
SSTDCCC040



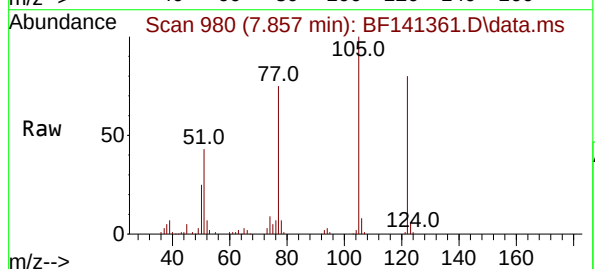
Tgt Ion:128 Resp: 782884
Ion Ratio Lower Upper
128 100
129 11.1 8.9 13.3
127 13.3 10.6 15.8

Manual Integrations
APPROVEDReviewed By :Jagrut
Upadhyay02/04/2025
Supervised By :mohammad
ahmed

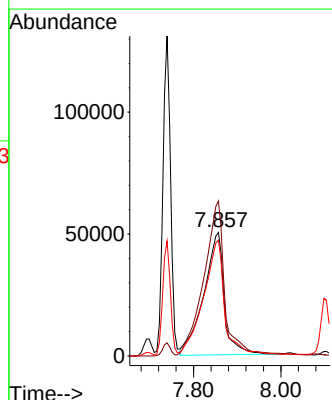
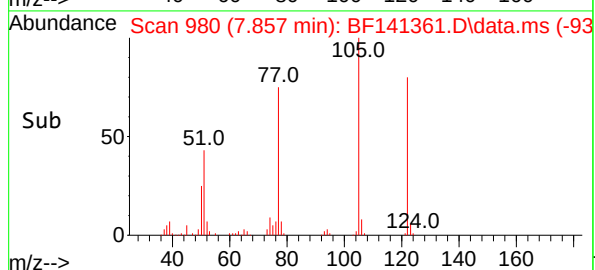
02/06/2025

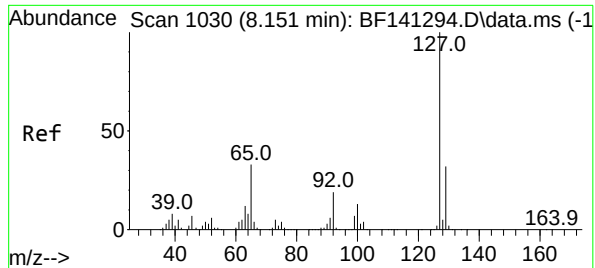


#32
Benzoic acid
Concen: 41.864 ng
RT: 7.857 min Scan# 980
Delta R.T. -0.024 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24



Tgt Ion:122 Resp: 164754
Ion Ratio Lower Upper
122 100
105 125.5 103.4 143.4
77 93.8 70.9 110.9





#33

4-Chloroaniline

Concen: 38.830 ng

RT: 8.151 min Scan# 1030

Delta R.T. -0.006 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:127 Resp: 252352

Ion Ratio Lower Upper

127 100

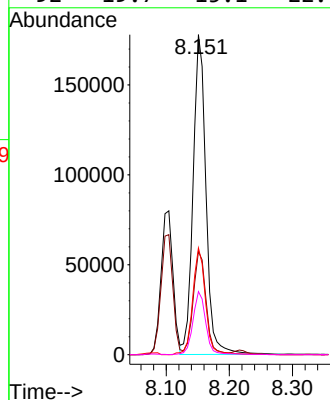
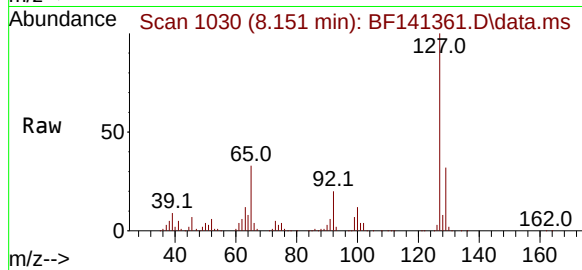
129 32.3 25.7 38.5

65 33.4 26.4 39.6

92 19.7 15.1 22.7

Manual Integrations

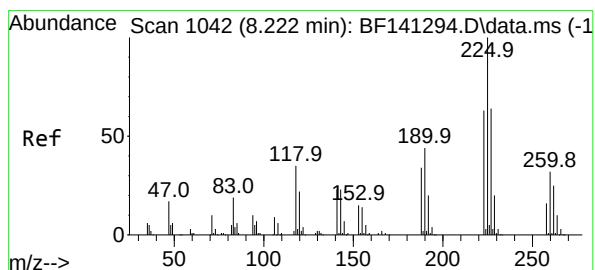
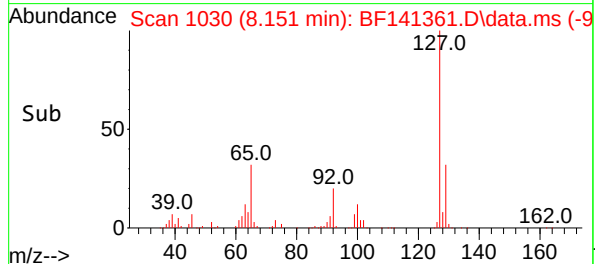
APPROVED

Reviewed By :Jagrut
Upadhyay

02/04/2025

Supervised By :mohammad
ahmed

02/06/2025



#34

Hexachlorobutadiene

Concen: 42.830 ng

RT: 8.216 min Scan# 1041

Delta R.T. -0.006 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

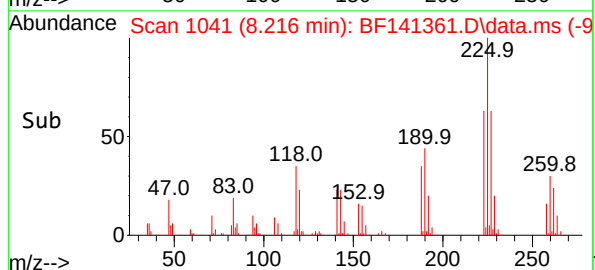
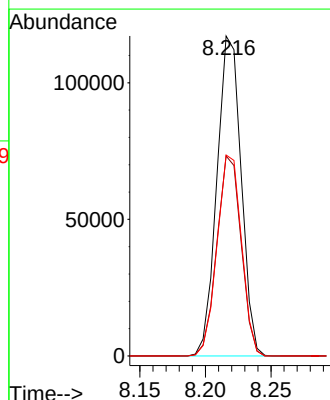
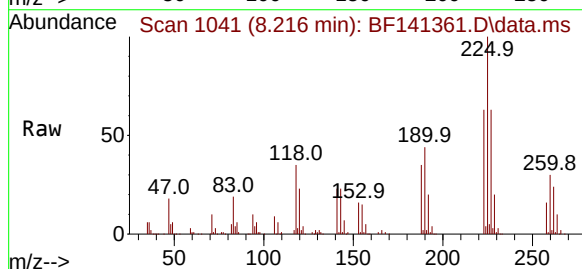
Tgt Ion:225 Resp: 150331

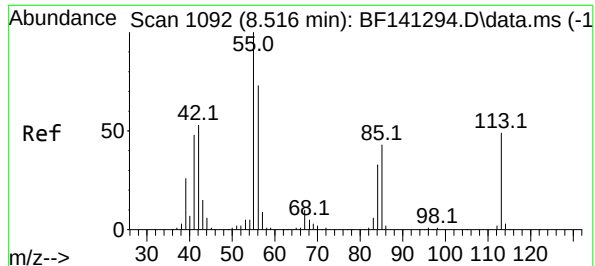
Ion Ratio Lower Upper

225 100

223 62.5 50.4 75.6

227 62.8 51.3 76.9





#35

Caprolactam

Concen: 40.128 ng

RT: 8.516 min Scan# 1092

Delta R.T. -0.030 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:113 Resp: 6868

Ion Ratio Lower Upper

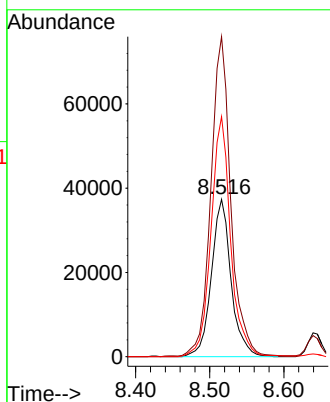
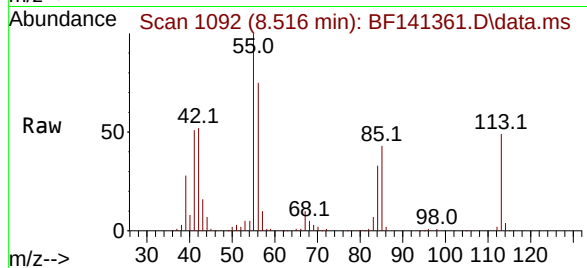
113 100

55 203.4 182.9 222.9

56 152.5 127.9 167.9

Manual Integrations

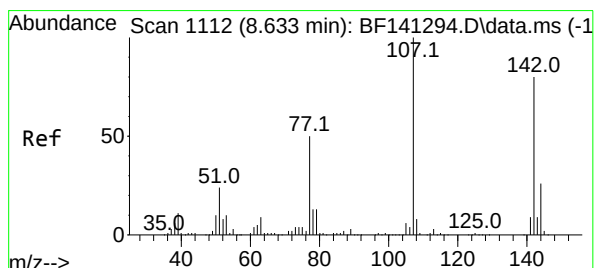
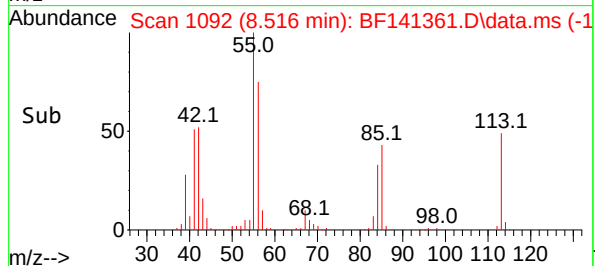
APPROVED

Reviewed By :Jagrut
Upadhyay

02/04/2025

Supervised By :mohammad
ahmed

02/06/2025



#36

4-Chloro-3-methylphenol

Concen: 41.805 ng

RT: 8.639 min Scan# 1113

Delta R.T. -0.000 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

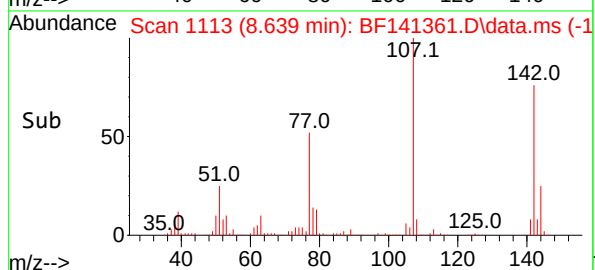
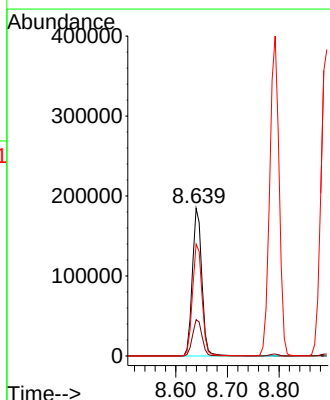
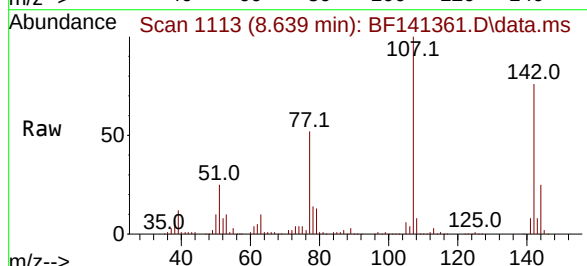
Tgt Ion:107 Resp: 235016

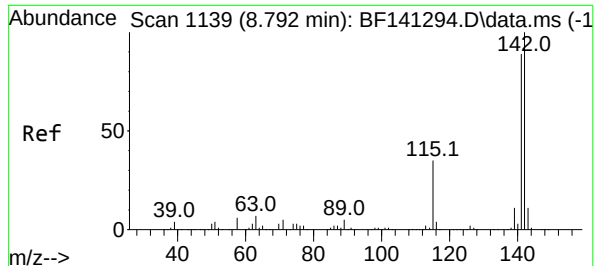
Ion Ratio Lower Upper

107 100

144 24.6 20.7 31.1

142 75.8 63.8 95.8





#37
2-Methylnaphthalene
Concen: 41.088 ng
RT: 8.792 min Scan# 1139
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Instrument :

BNA_F

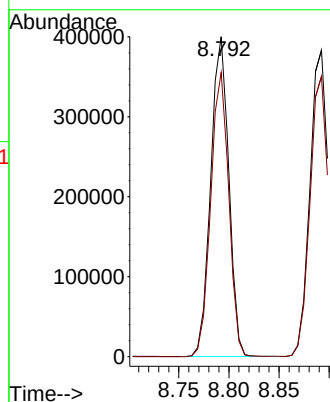
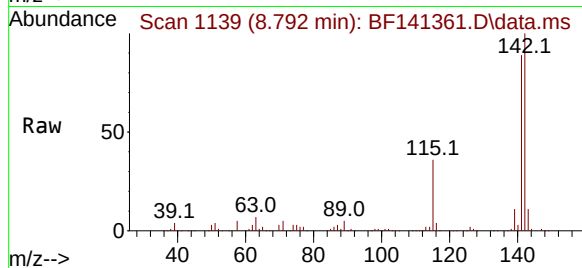
ClientSampleId :

SSTDCCC040

Tgt Ion:142 Resp: 50049
Ion Ratio Lower Upper
142 100
141 88.8 71.3 106.9

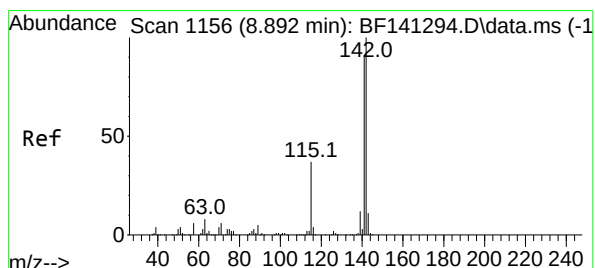
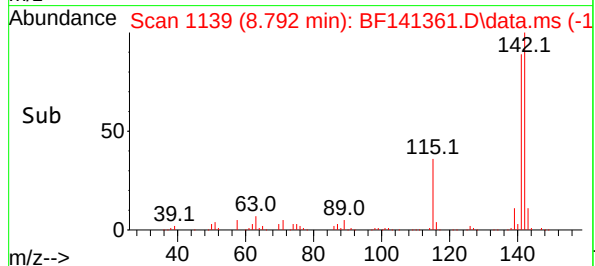
Manual Integrations
APPROVED

Reviewed By :Jagrut
Upadhyay



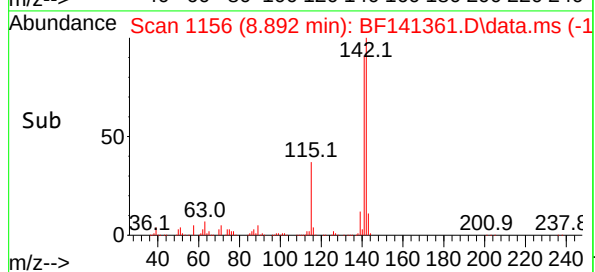
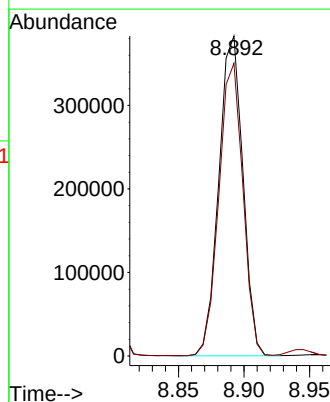
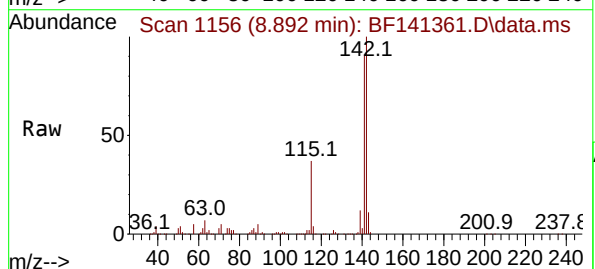
02/04/2025
Supervised By :mohammad
ahmed

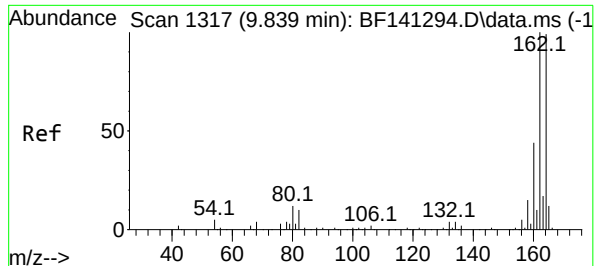
02/06/2025



#38
1-Methylnaphthalene
Concen: 40.770 ng
RT: 8.892 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:142 Resp: 487831
Ion Ratio Lower Upper
142 100
141 91.4 73.2 109.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.833 min Scan# 1167

Delta R.T. -0.006 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:164 Resp: 198560

Ion Ratio Lower Upper

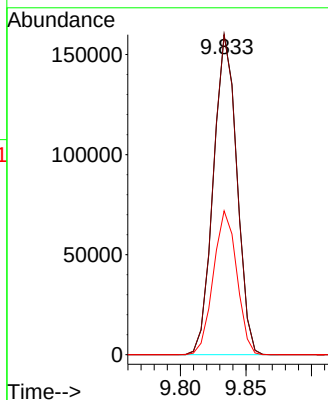
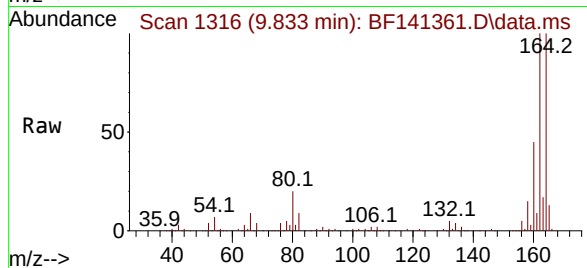
164 100

162 100.0 80.6 121.0

160 45.0 35.8 53.6

Manual Integrations

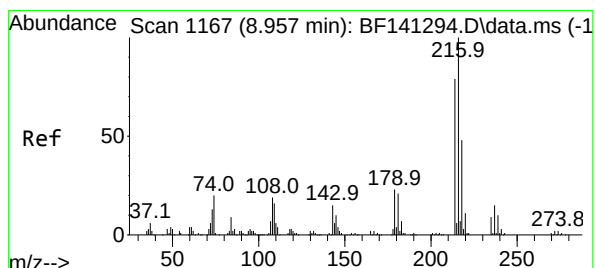
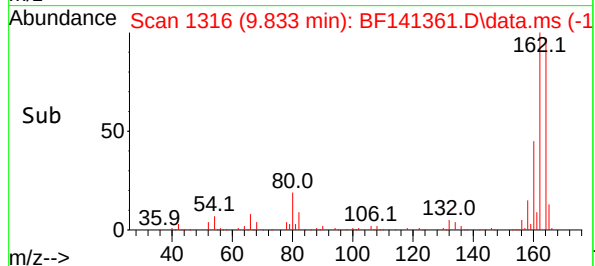
APPROVED

Reviewed By :Jagrut
Upadhyay

02/04/2025

Supervised By :mohammad
ahmed

02/06/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 40.237 ng

RT: 8.957 min Scan# 1167

Delta R.T. -0.006 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

Tgt Ion:216 Resp: 227300

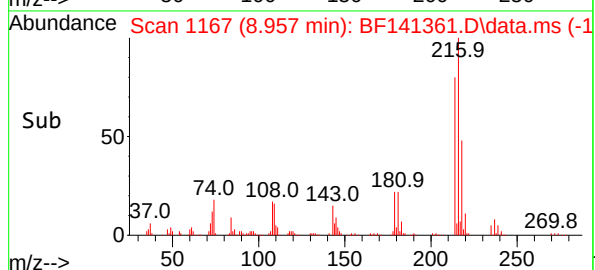
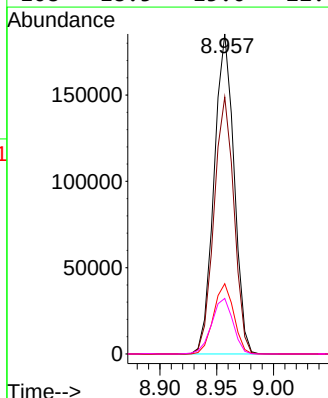
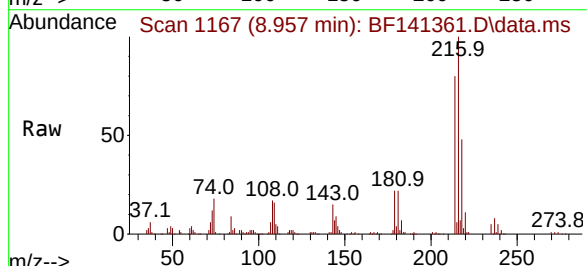
Ion Ratio Lower Upper

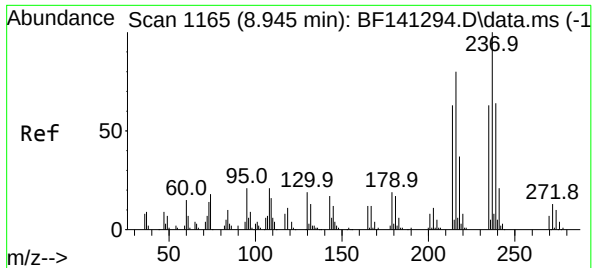
216 100

214 80.1 63.2 94.8

179 22.1 17.8 26.8

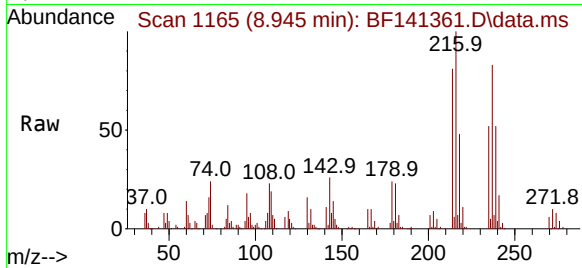
108 18.5 15.0 22.6





#41
Hexachlorocyclopentadiene
Concen: 43.983 ng
RT: 8.945 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

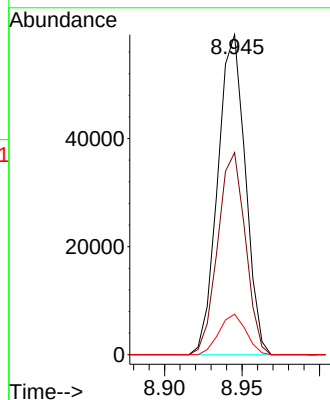
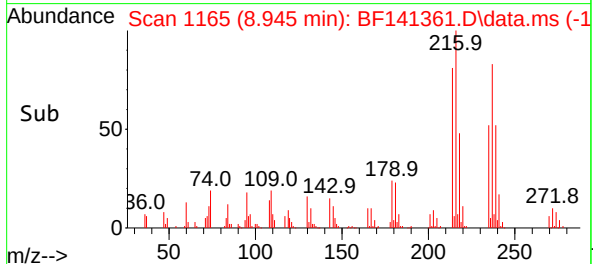
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:237 Resp: 7337
Ion Ratio Lower Upper
237 100
235 63.1 42.9 82.9
272 12.6 0.0 32.8

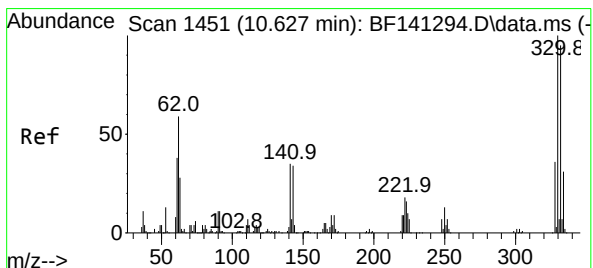
Manual Integrations
APPROVED

Reviewed By :Jagrut
Upadhyay

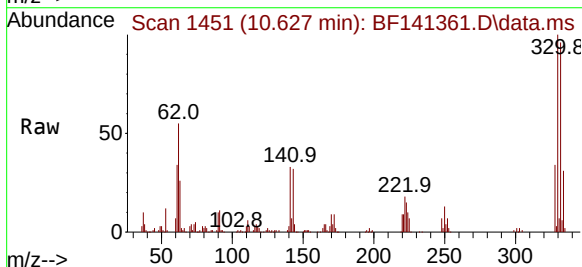


02/04/2025
Supervised By :mohammad
ahmed

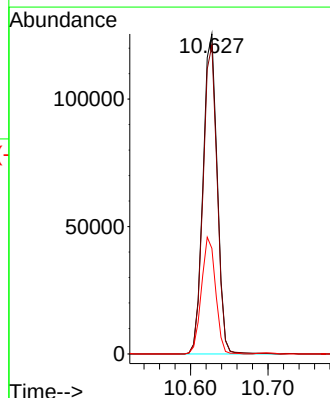
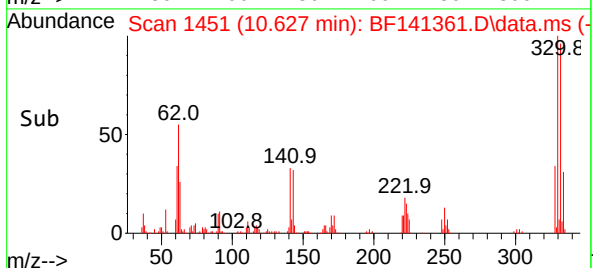
02/06/2025

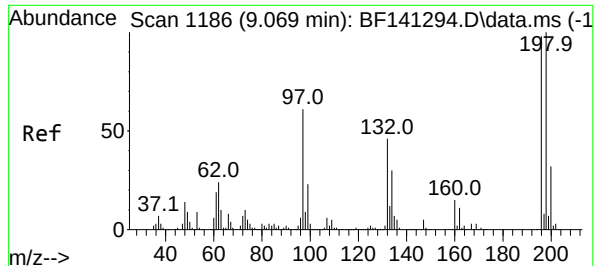


#42
2,4,6-Tribromophenol
Concen: 87.321 ng
RT: 10.627 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24



Tgt Ion:330 Resp: 158958
Ion Ratio Lower Upper
330 100
332 96.2 76.1 114.1
141 36.5 28.8 43.2





#43

2,4,6-Trichlorophenol

Concen: 41.248 ng

RT: 9.075 min Scan# 1186

Delta R.T. -0.000 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:196 Resp: 152514

Ion Ratio Lower Upper

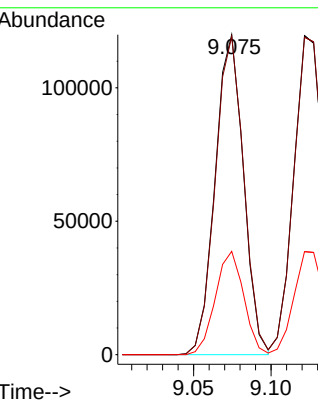
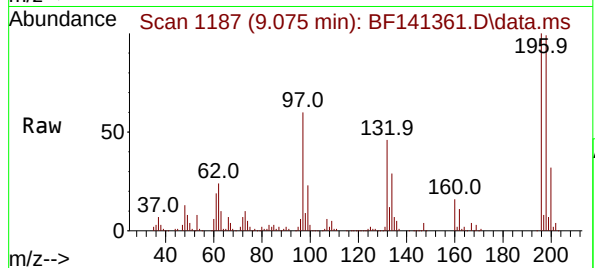
196 100

198 99.4 81.8 122.6

200 32.3 26.3 39.5

Manual Integrations

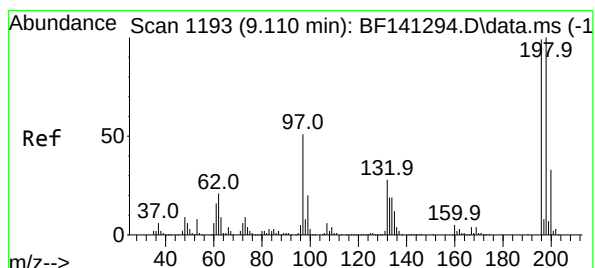
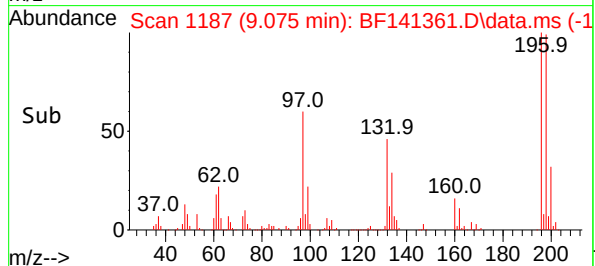
APPROVED

Reviewed By :Jagrut
Upadhyay

02/04/2025

Supervised By :mohammad
ahmed

02/06/2025



#44

2,4,5-Trichlorophenol

Concen: 41.031 ng

RT: 9.122 min Scan# 1195

Delta R.T. 0.006 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

Tgt Ion:196 Resp: 165119

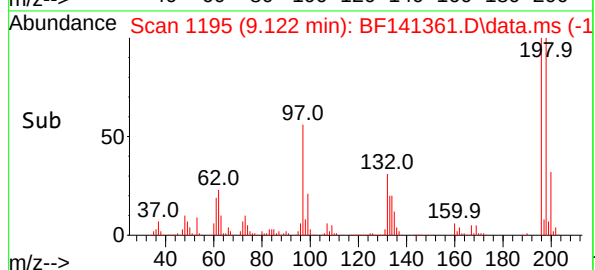
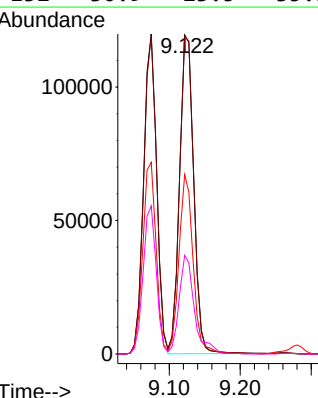
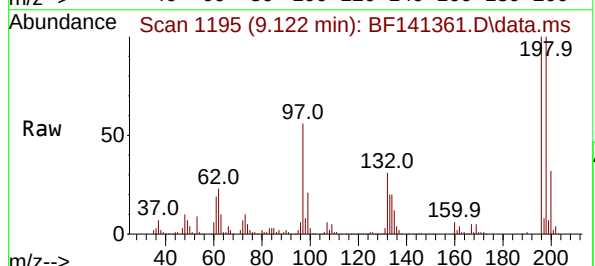
Ion Ratio Lower Upper

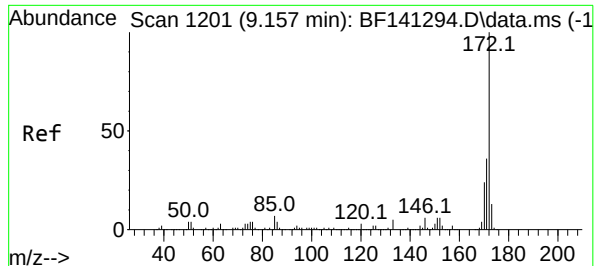
196 100

198 99.5 80.5 120.7

97 56.2 42.8 64.2

132 30.9 23.5 35.3





#45

2-Fluorobiphenyl

Concen: 80.940 ng

RT: 9.157 min Scan# 1201

Delta R.T. -0.006 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:172 Resp: 1044178

Ion Ratio Lower Upper

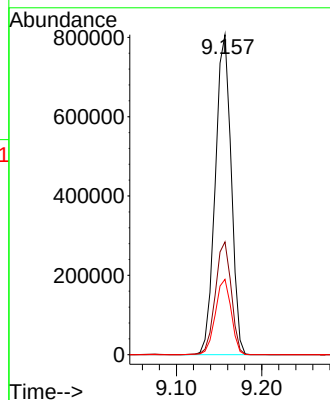
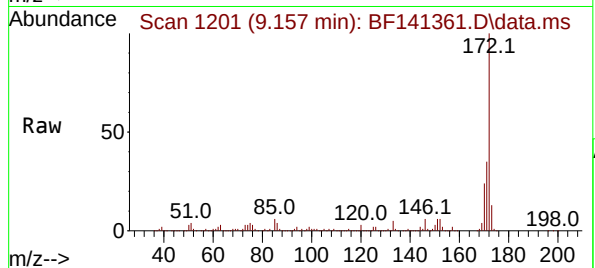
172 100

171 35.2 28.8 43.2

170 23.6 19.0 28.6

Manual Integrations

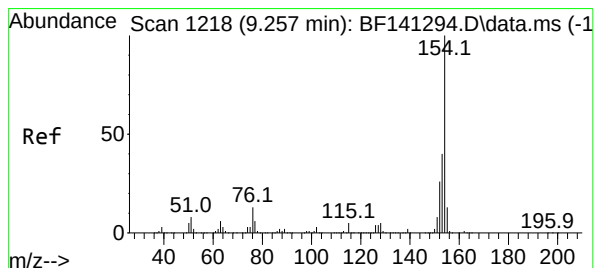
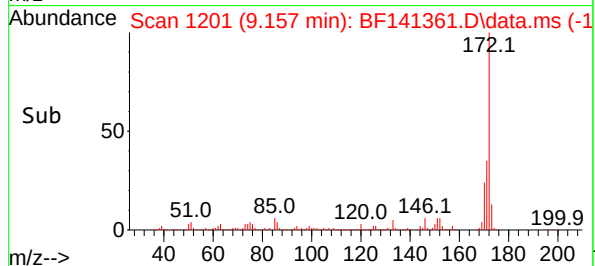
APPROVED

Reviewed By :Jagrut
Upadhyay

02/04/2025

Supervised By :mohammad
ahmed

02/06/2025



#46

1,1'-Biphenyl

Concen: 39.699 ng

RT: 9.257 min Scan# 1218

Delta R.T. -0.006 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

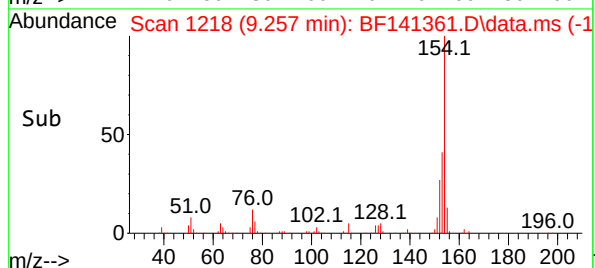
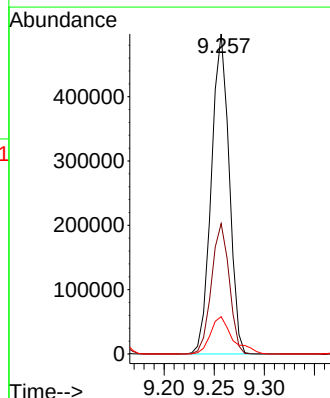
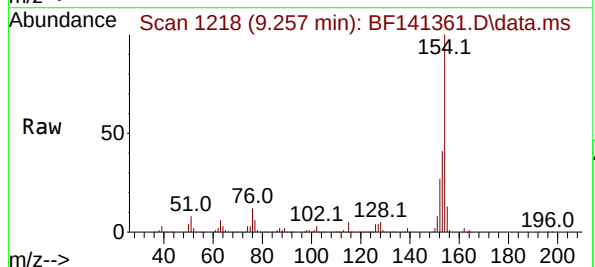
Tgt Ion:154 Resp: 614766

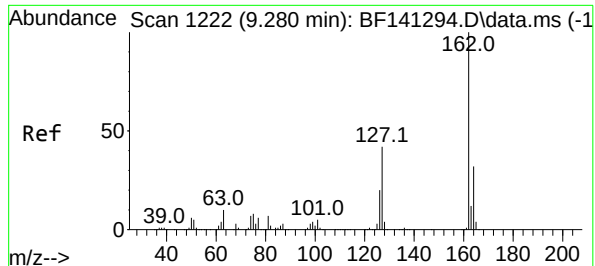
Ion Ratio Lower Upper

154 100

153 40.8 20.0 60.0

76 11.6 0.0 32.8





#47

2-Chloronaphthalene

Concen: 39.740 ng

RT: 9.280 min Scan# 1222

Delta R.T. -0.006 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:162 Resp: 47967

Ion Ratio Lower Upper

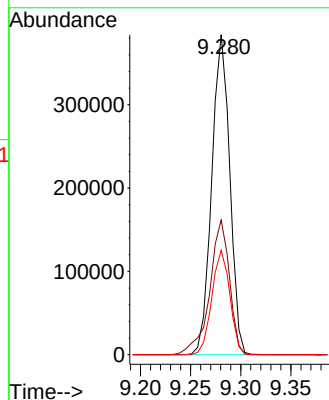
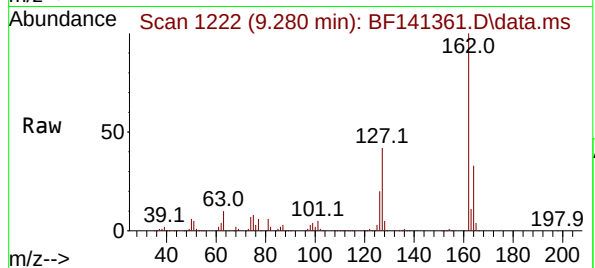
162 100

127 42.1 33.7 50.5

164 32.6 25.9 38.9

Manual Integrations

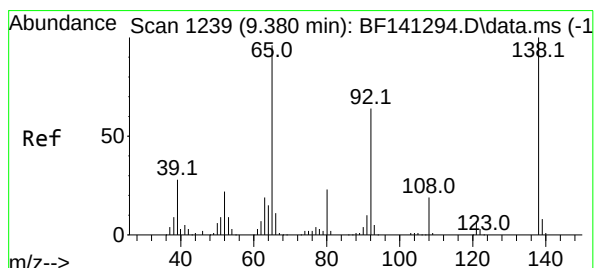
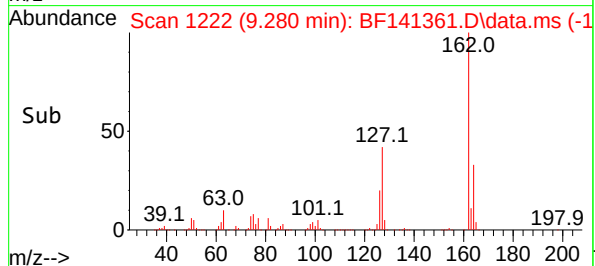
APPROVED

Reviewed By :Jagrut
Upadhyay

02/04/2025

Supervised By :mohammad
ahmed

02/06/2025



#48

2-Nitroaniline

Concen: 41.055 ng

RT: 9.380 min Scan# 1239

Delta R.T. -0.000 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

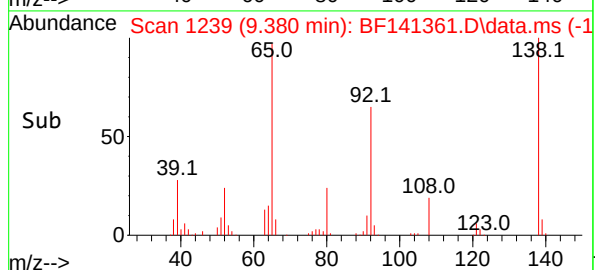
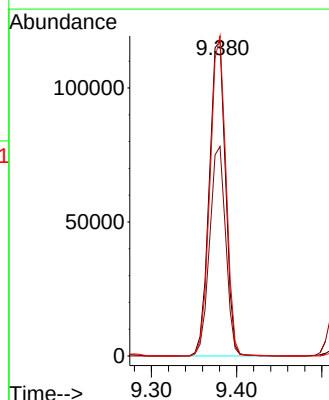
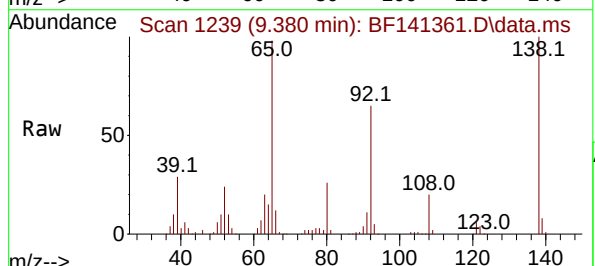
Tgt Ion: 65 Resp: 155868

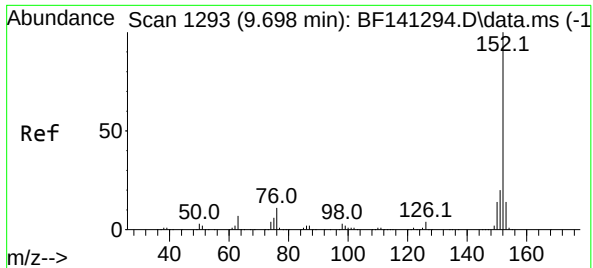
Ion Ratio Lower Upper

65 100

92 66.6 53.3 79.9

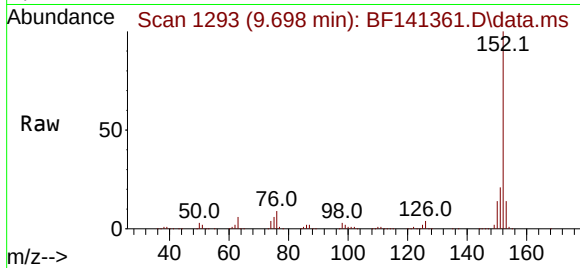
138 101.8 83.6 125.4





#49
Acenaphthylene
Concen: 39.923 ng
RT: 9.698 min Scan# 1293
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

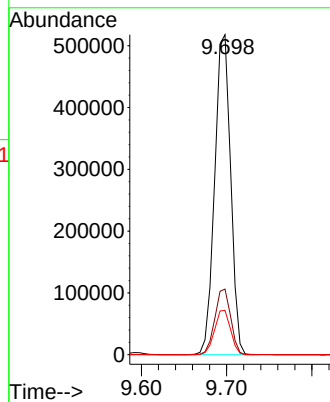
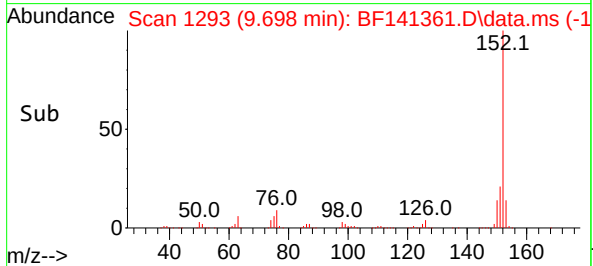
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:152 Resp: 67454
Ion Ratio Lower Upper
152 100
151 20.5 16.2 24.2
153 13.9 11.0 16.6

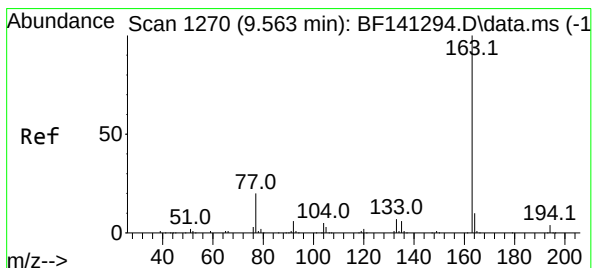
Manual Integrations
APPROVED

Reviewed By :Jagrut
Upadhyay

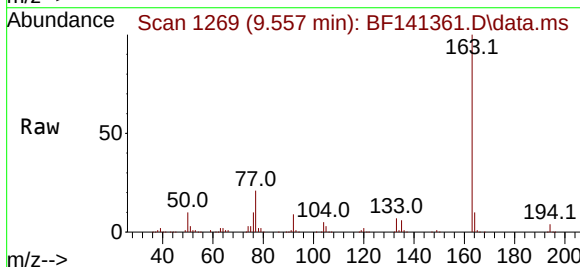


02/04/2025
Supervised By :mohammad
ahmed

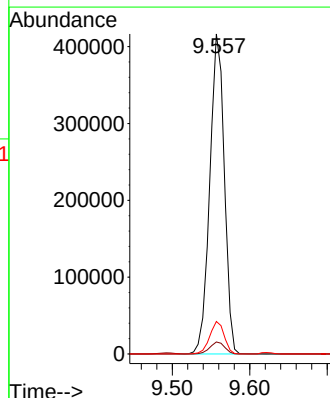
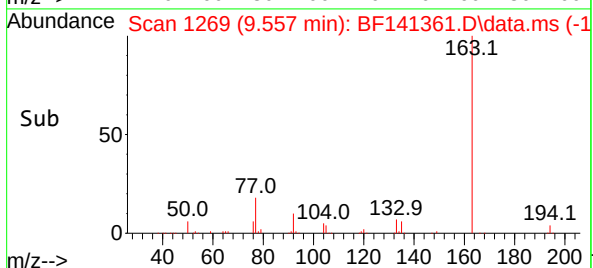
02/06/2025

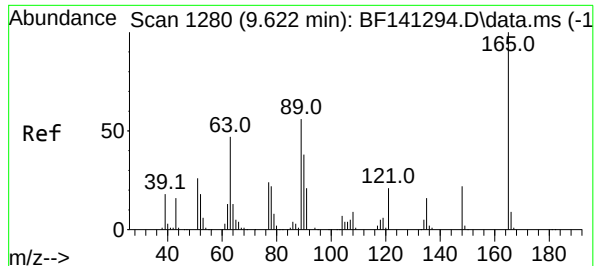


#50
Dimethylphthalate
Concen: 40.523 ng
RT: 9.557 min Scan# 1269
Delta R.T. -0.012 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24



Tgt Ion:163 Resp: 543455
Ion Ratio Lower Upper
163 100
194 3.7 3.0 4.6
164 10.2 8.0 12.0





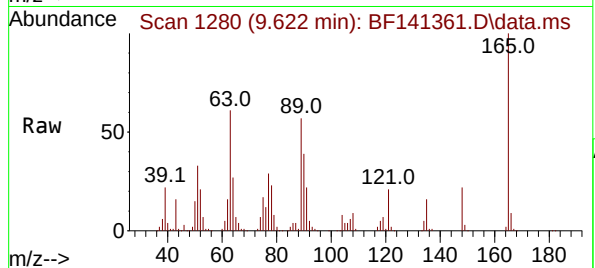
#51
2,6-Dinitrotoluene
Concen: 40.149 ng
RT: 9.622 min Scan# 1280
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Instrument :

BNA_F

ClientSampleId :

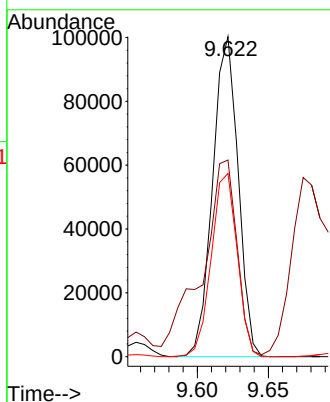
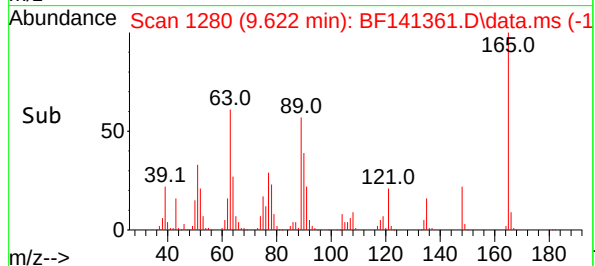
SSTDCCC040



Tgt Ion:165 Resp: 125020
Ion Ratio Lower Upper
165 100
63 61.5 48.1 72.1
89 57.2 44.9 67.3

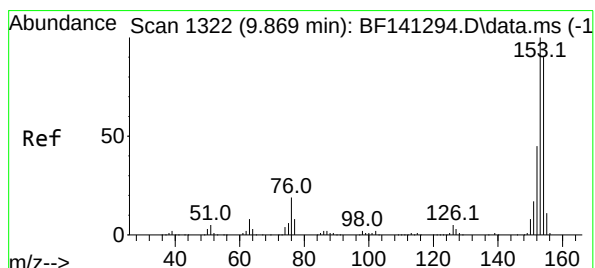
Manual Integrations
APPROVED

Reviewed By :Jagrut
Upadhyay

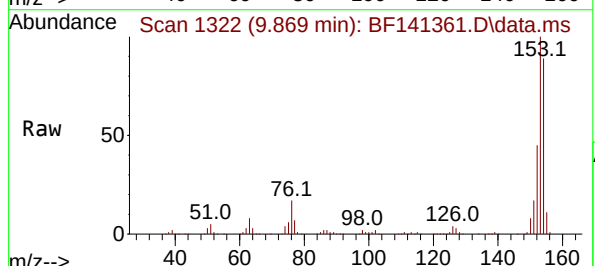


02/04/2025
Supervised By :mohammad
ahmed

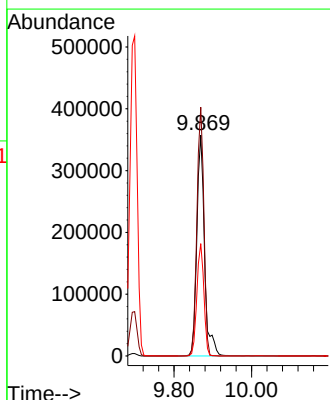
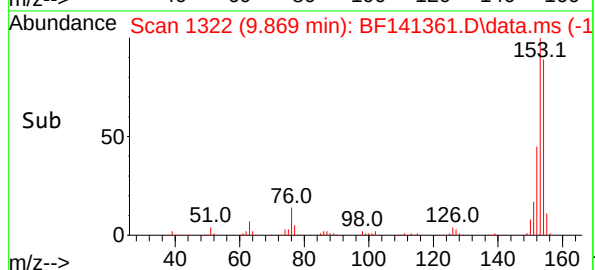
02/06/2025

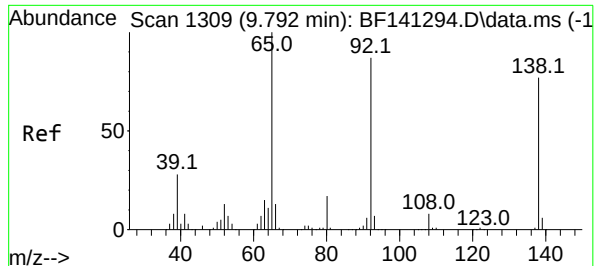


#52
Acenaphthene
Concen: 40.755 ng
RT: 9.869 min Scan# 1322
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24



Tgt Ion:154 Resp: 491940
Ion Ratio Lower Upper
154 100
153 112.7 89.0 133.4
152 50.9 40.2 60.4





#53

3-Nitroaniline

Concen: 41.859 ng

RT: 9.792 min Scan# 1309

Delta R.T. -0.006 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:138 Resp: 127750

Ion Ratio Lower Upper

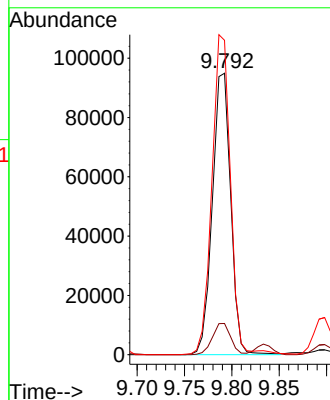
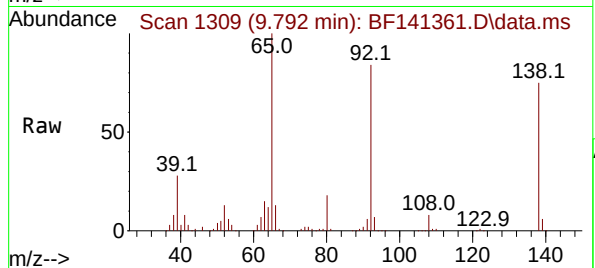
138 100

108 11.1 8.6 12.8

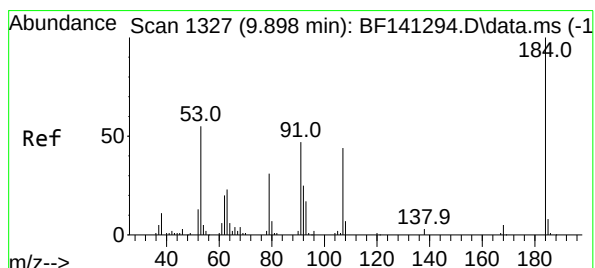
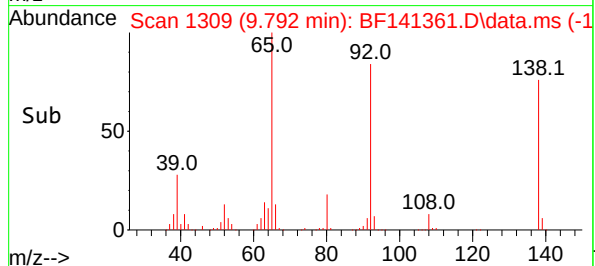
92 111.7 91.0 136.6

Manual Integrations

APPROVED

Reviewed By :Jagrut
Upadhyay02/04/2025
Supervised By :mohammad
ahmed

02/06/2025



#54

2,4-Dinitrophenol

Concen: 44.625 ng

RT: 9.898 min Scan# 1327

Delta R.T. -0.006 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

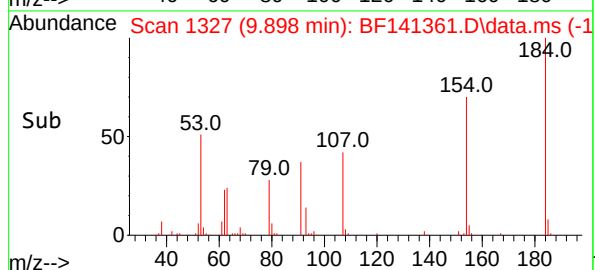
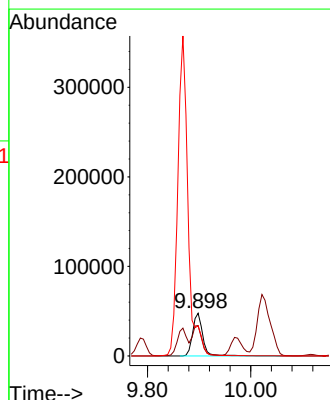
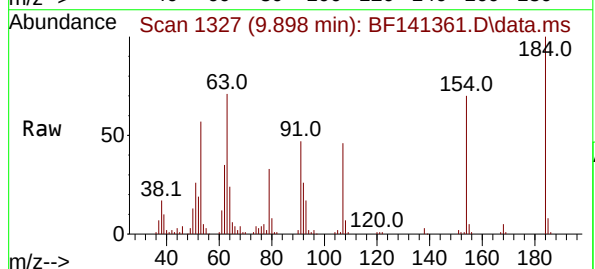
Tgt Ion:184 Resp: 64595

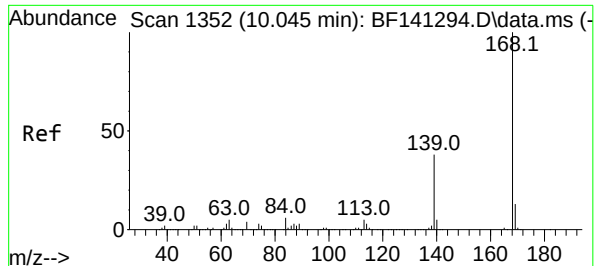
Ion Ratio Lower Upper

184 100

63 71.2 54.1 81.1

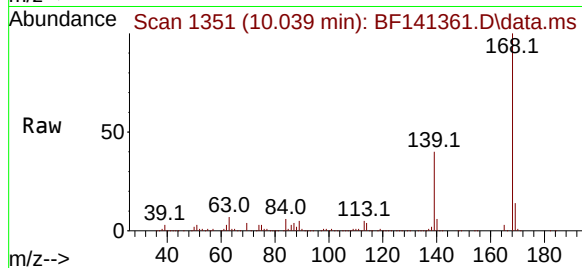
154 70.4 50.7 76.1





#55
Dibenzenofuran
Concen: 40.548 ng
RT: 10.039 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

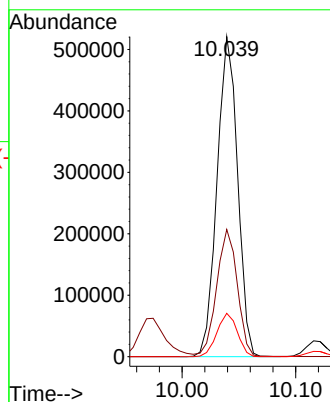
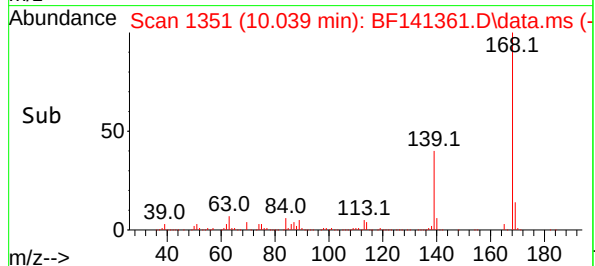
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:168 Resp: 655150
Ion Ratio Lower Upper
168 100
139 39.8 30.6 46.0
169 13.6 10.8 16.2

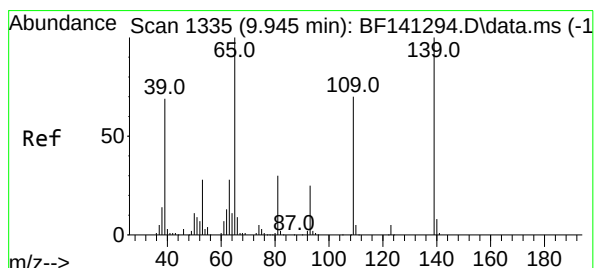
Manual Integrations
APPROVED

Reviewed By :Jagrut
Upadhyay



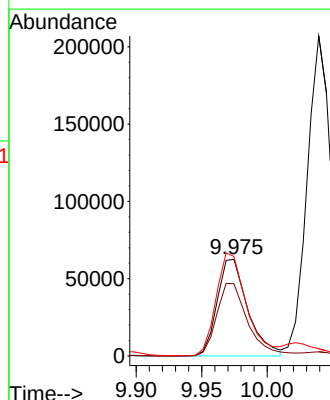
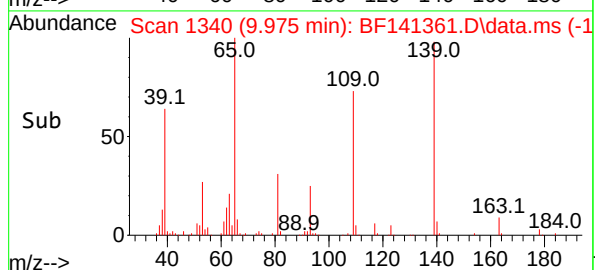
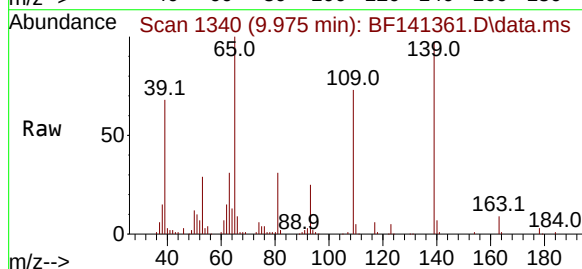
02/04/2025
Supervised By :mohammad
ahmed

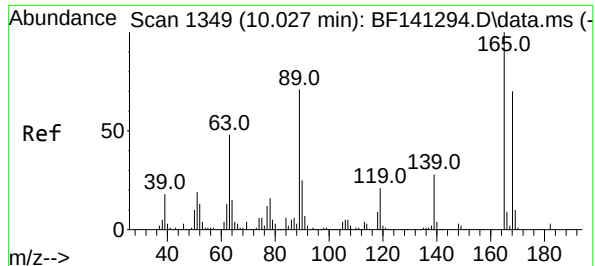
02/06/2025



#56
4-Nitrophenol
Concen: 45.471 ng
RT: 9.975 min Scan# 1340
Delta R.T. 0.018 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

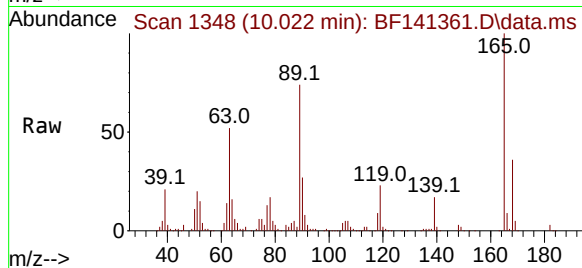
Tgt Ion:139 Resp: 101492
Ion Ratio Lower Upper
139 100
109 74.6 50.2 90.2
65 102.9 80.6 120.6





#57
2,4-Dinitrotoluene
Concen: 41.946 ng
RT: 10.022 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

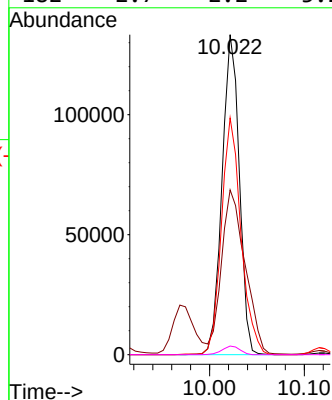
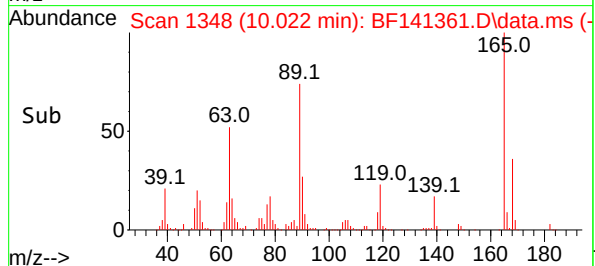
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:165 Resp: 169109
Ion Ratio Lower Upper
165 100
63 51.5 39.2 58.8
89 74.0 56.9 85.3
182 2.7 2.2 3.2

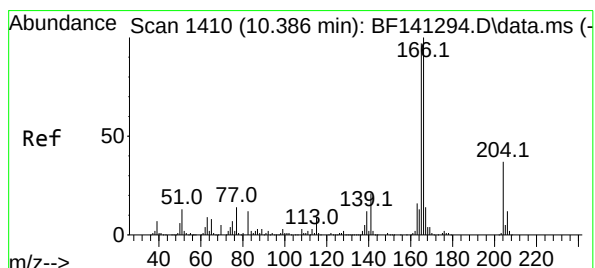
Manual Integrations
APPROVED

Reviewed By :Jagrut
Upadhyay



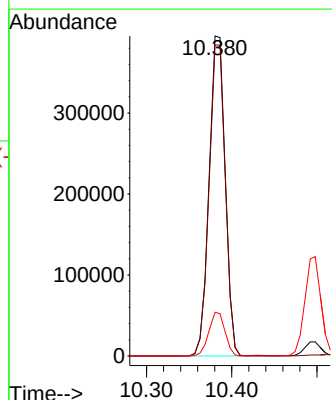
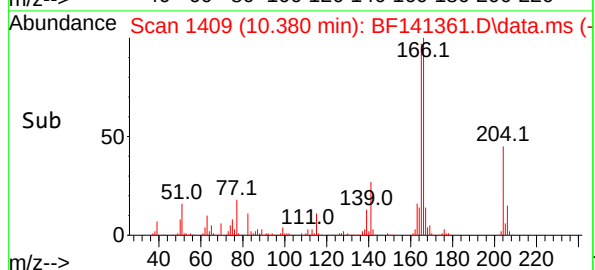
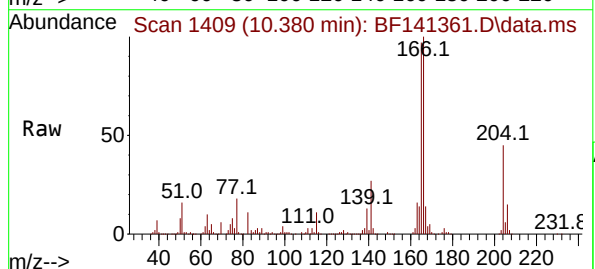
02/04/2025
Supervised By :mohammad
ahmed

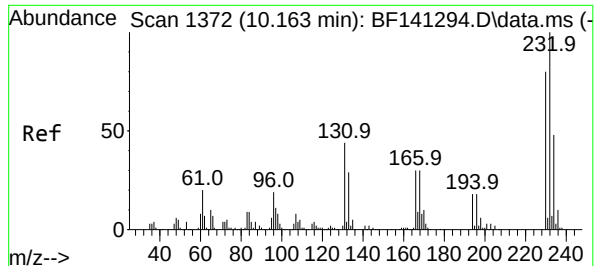
02/06/2025



#58
Fluorene
Concen: 41.554 ng
RT: 10.380 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

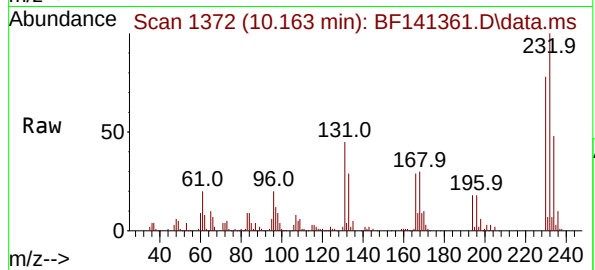
Tgt Ion:166 Resp: 520788
Ion Ratio Lower Upper
166 100
165 97.2 77.5 116.3
167 13.7 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 42.892 ng
RT: 10.163 min Scan# 1372
Delta R.T. -0.000 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

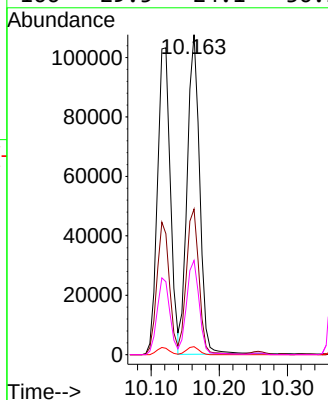
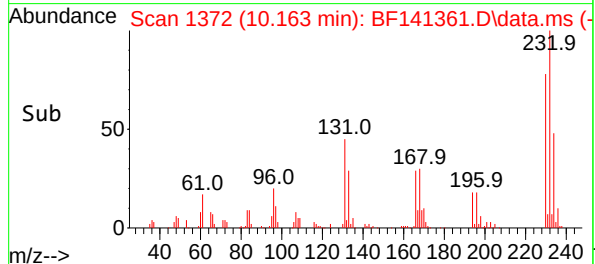
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:232 Resp: 135791
Ion Ratio Lower Upper
232 100
131 46.0 36.4 54.6
130 2.5 1.9 2.9
166 29.5 24.1 36.1

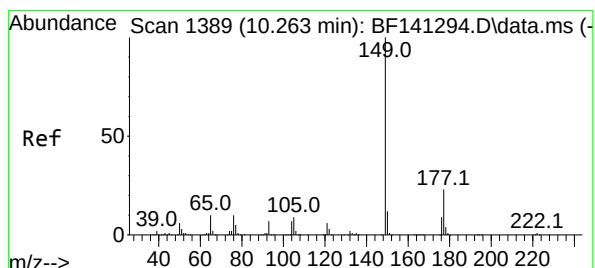
Manual Integrations
APPROVED

Reviewed By :Jagrut
Upadhyay



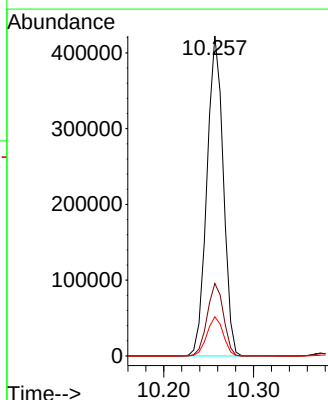
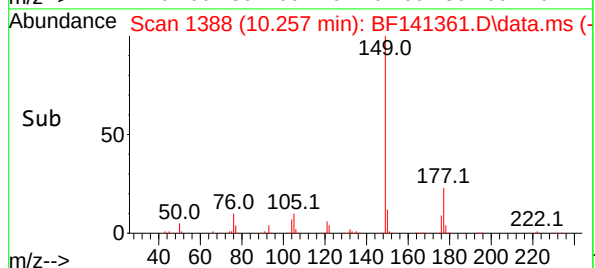
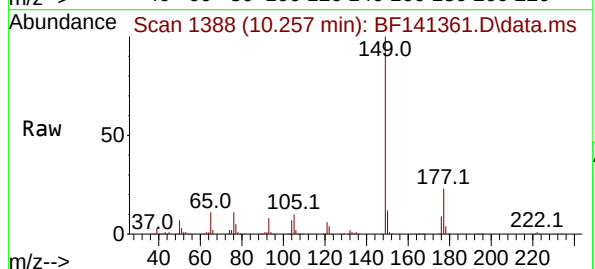
02/04/2025
Supervised By :mohammad
ahmed

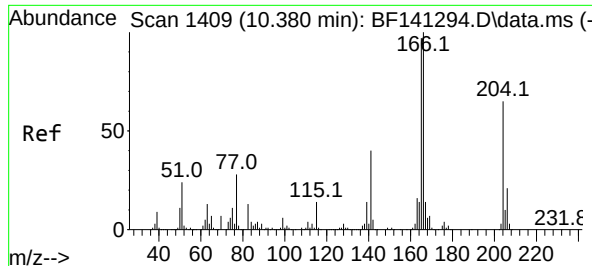
02/06/2025



#60
Diethylphthalate
Concen: 41.025 ng
RT: 10.257 min Scan# 1388
Delta R.T. -0.012 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

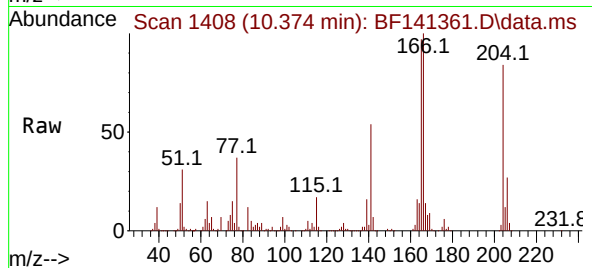
Tgt Ion:149 Resp: 533471
Ion Ratio Lower Upper
149 100
177 22.7 18.5 27.7
150 12.2 10.0 15.0





#61
4-Chlorophenyl-phenylether
Concen: 41.170 ng
RT: 10.374 min Scan# 1409
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

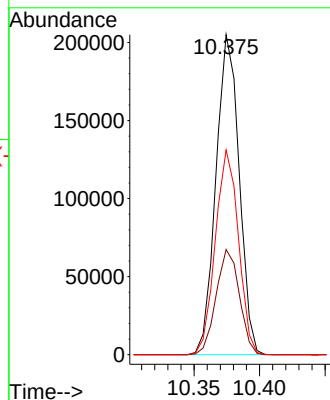
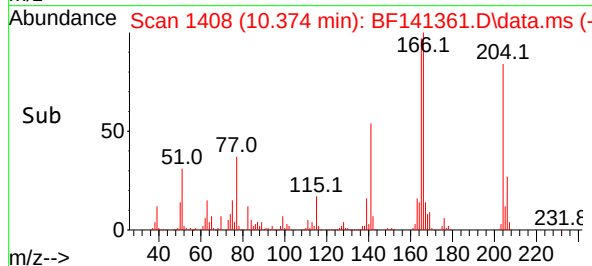
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:204 Resp: 252040
Ion Ratio Lower Upper
204 100
206 32.9 25.9 38.9
141 64.0 49.5 74.3

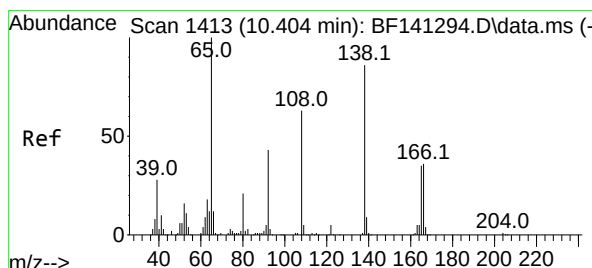
Manual Integrations
APPROVED

Reviewed By :Jagrut
Upadhyay



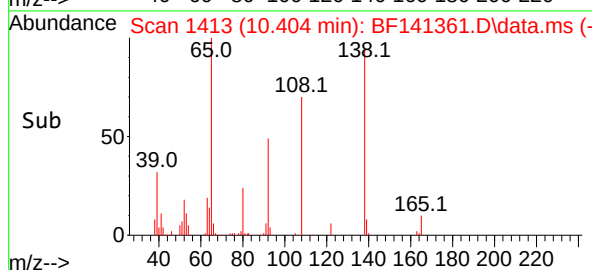
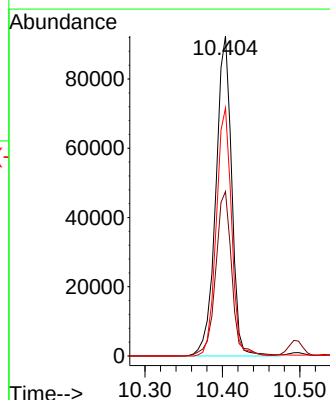
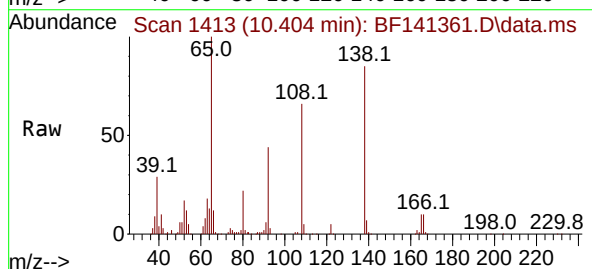
02/04/2025
Supervised By :mohammad
ahmed

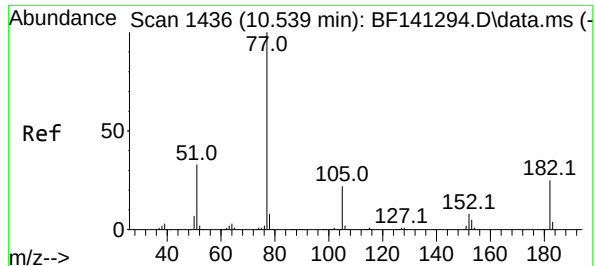
02/06/2025



#62
4-Nitroaniline
Concen: 43.865 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:138 Resp: 131617
Ion Ratio Lower Upper
138 100
92 51.4 30.1 70.1
108 77.5 53.1 93.1





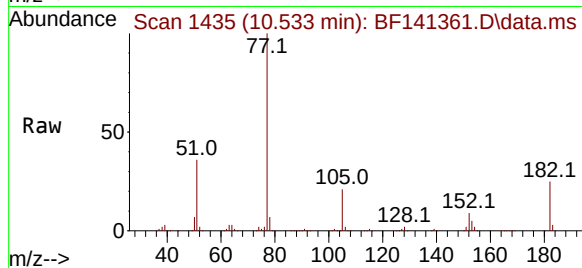
#63
Azobenzene
Concen: 40.048 ng
RT: 10.533 min Scan# 1436
Delta R.T. -0.012 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Instrument :

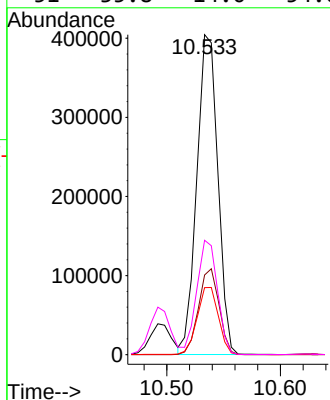
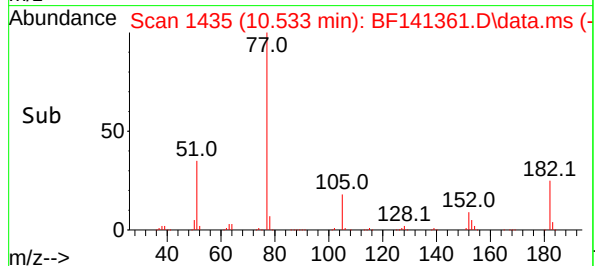
BNA_F

ClientSampleId :

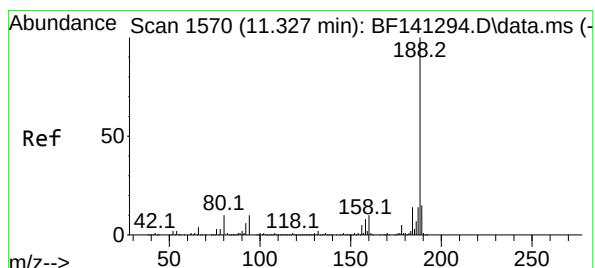
SSTDCCC040



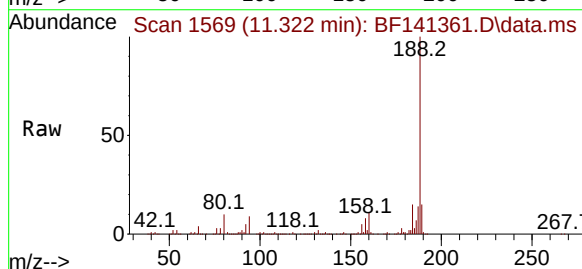
Tgt Ion: 77 Resp: 521272
Ion Ratio Lower Upper
77 100
182 24.9 5.1 45.1
105 20.9 1.8 41.8
51 35.8 14.0 54.0

Manual Integrations
APPROVEDReviewed By :Jagrut
Upadhyay02/04/2025
Supervised By :mohammad
ahmed

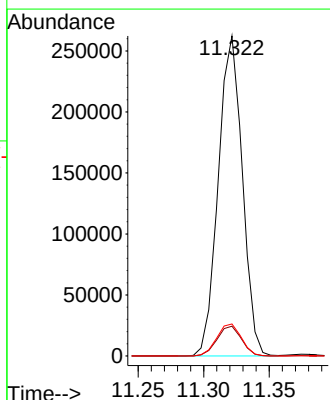
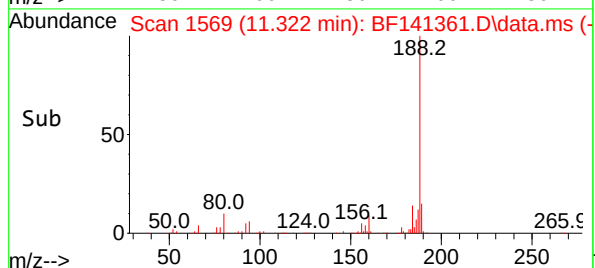
02/06/2025

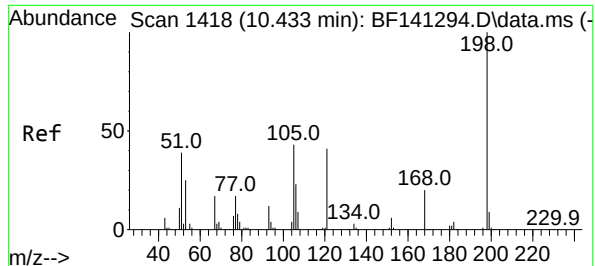


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24



Tgt Ion:188 Resp: 334466
Ion Ratio Lower Upper
188 100
94 9.3 7.8 11.6
80 10.0 8.2 12.4





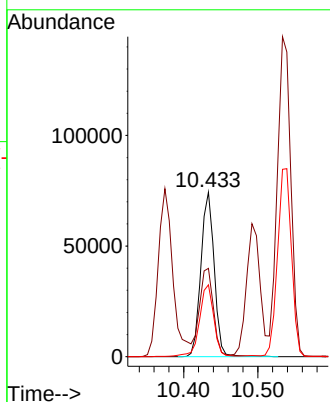
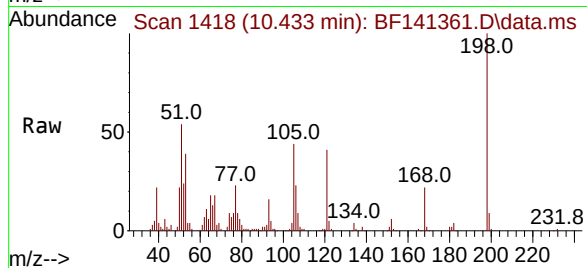
#65
4,6-Dinitro-2-methylphenol
Concen: 46.869 ng
RT: 10.433 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 92723
Ion Ratio Lower Upper
198 100
51 53.7 33.4 73.4
105 43.7 24.4 64.4

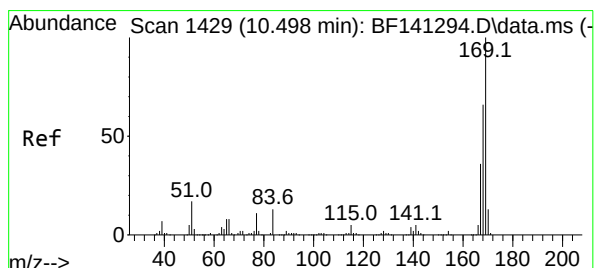
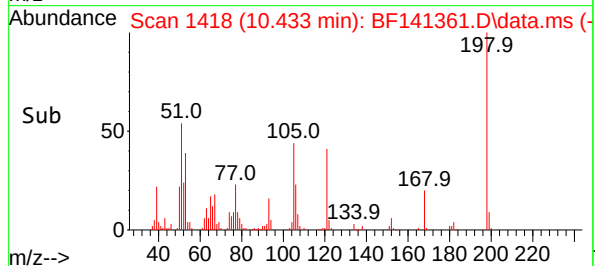
Manual Integrations
APPROVED

Reviewed By :Jagrut
Upadhyay



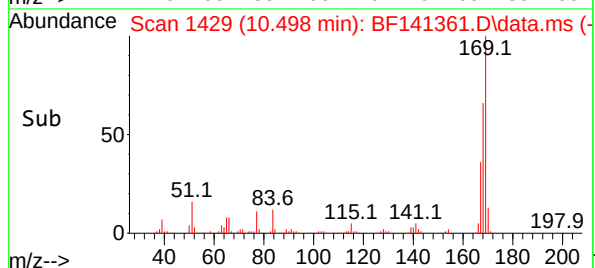
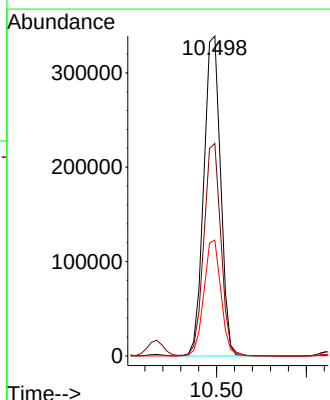
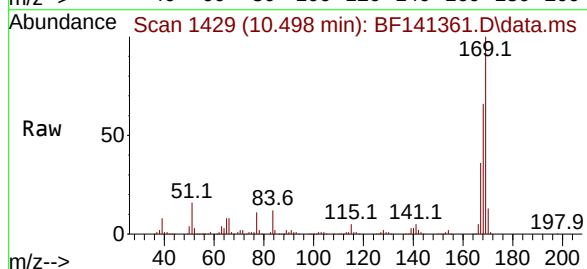
02/04/2025
Supervised By :mohammad
ahmed

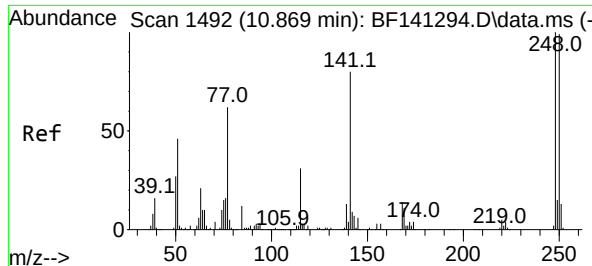
02/06/2025



#66
n-Nitrosodiphenylamine
Concen: 40.682 ng
RT: 10.498 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:169 Resp: 440088
Ion Ratio Lower Upper
169 100
168 66.4 53.0 79.4
167 36.2 28.8 43.2





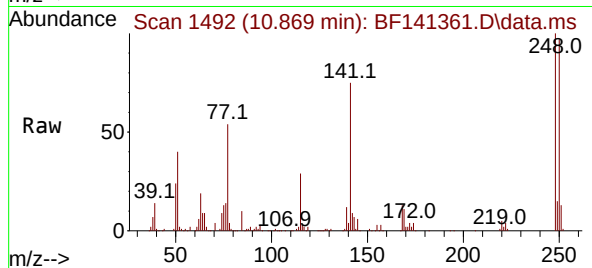
#67
4-Bromophenyl-phenylether
Concen: 41.715 ng
RT: 10.869 min Scan# 1492
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Instrument :

BNA_F

ClientSampleId :

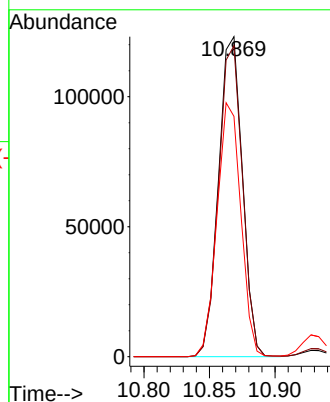
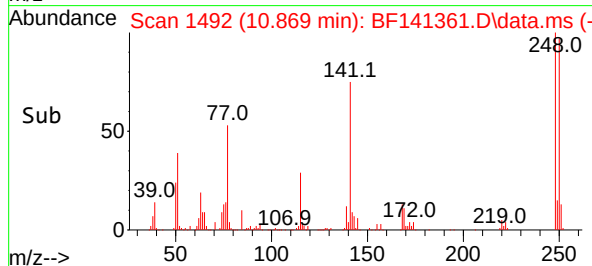
SSTDCCC040



Tgt Ion:248 Resp: 156199
Ion Ratio Lower Upper
248 100
250 97.2 79.0 118.4
141 75.1 63.7 95.5

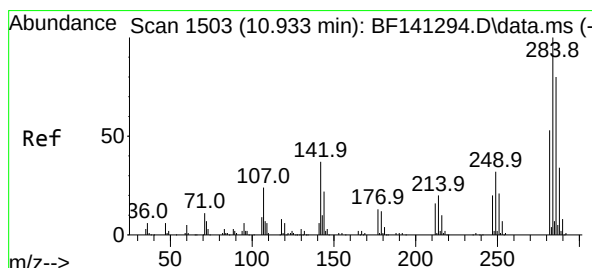
Manual Integrations
APPROVED

Reviewed By :Jagrut
Upadhyay

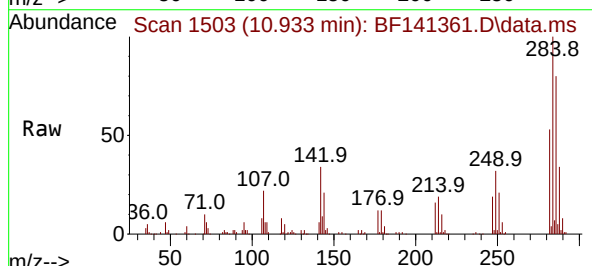


02/04/2025
Supervised By :mohammad
ahmed

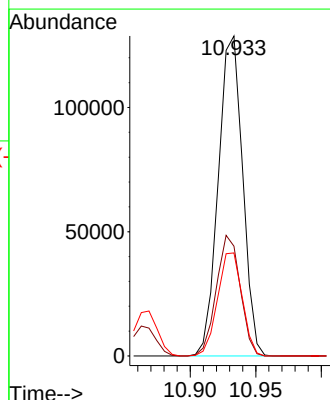
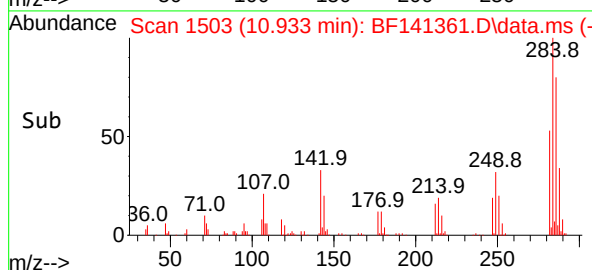
02/06/2025

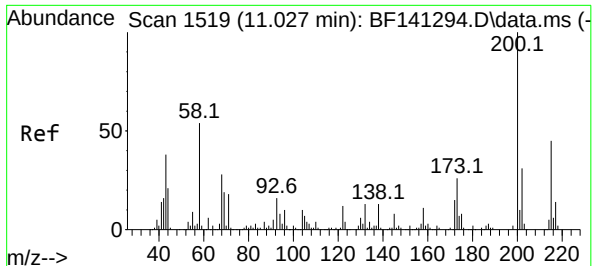


#68
Hexachlorobenzene
Concen: 41.866 ng
RT: 10.933 min Scan# 1503
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24



Tgt Ion:284 Resp: 166289
Ion Ratio Lower Upper
284 100
142 34.3 29.5 44.3
249 32.2 25.4 38.2





#69

Atrazine

Concen: 39.975 ng

RT: 11.022 min Scan# 1518

Delta R.T. -0.012 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:200 Resp: 14458

Ion Ratio Lower Upper

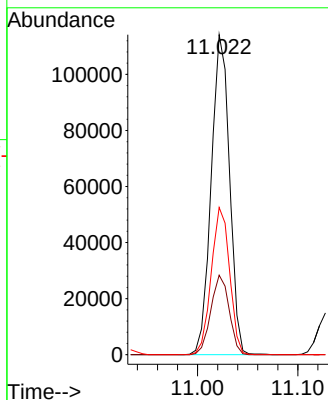
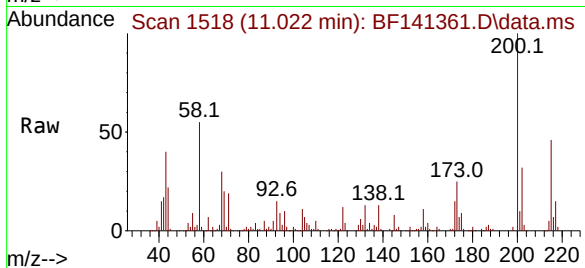
200 100

173 24.9 5.9 45.9

215 46.0 25.2 65.2

Manual Integrations

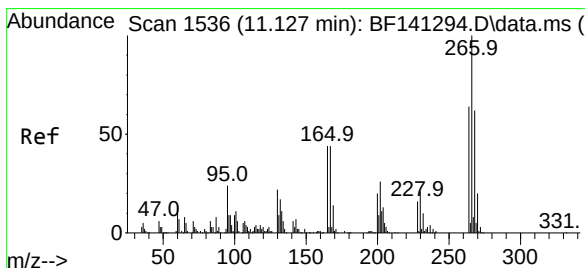
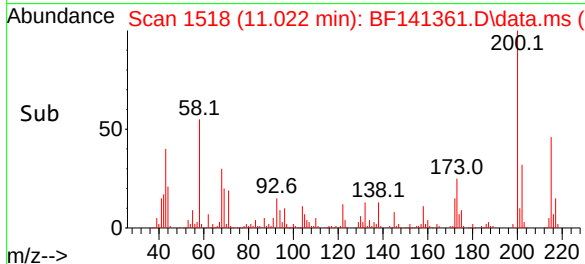
APPROVED

Reviewed By :Jagrut
Upadhyay

02/04/2025

Supervised By :mohammad
ahmed

02/06/2025



#70

Pentachlorophenol

Concen: 43.745 ng

RT: 11.127 min Scan# 1536

Delta R.T. -0.006 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

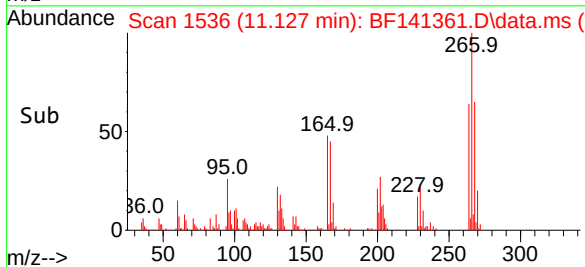
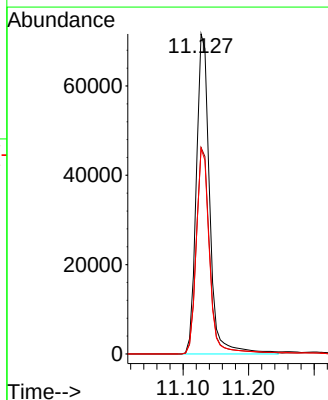
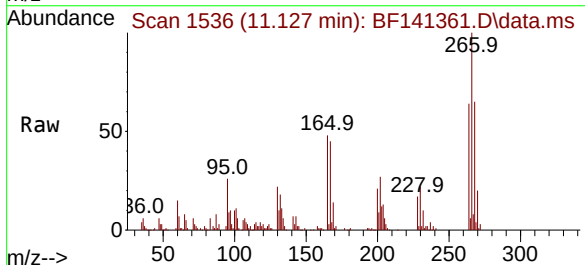
Tgt Ion:266 Resp: 101747

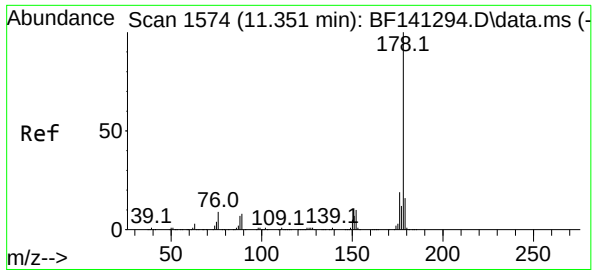
Ion Ratio Lower Upper

266 100

268 64.5 49.9 74.9

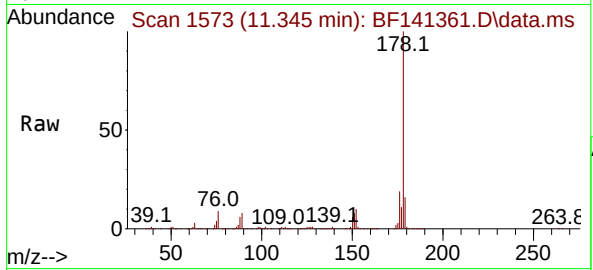
264 64.2 51.0 76.4





#71
Phenanthrene
Concen: 42.056 ng
RT: 11.345 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

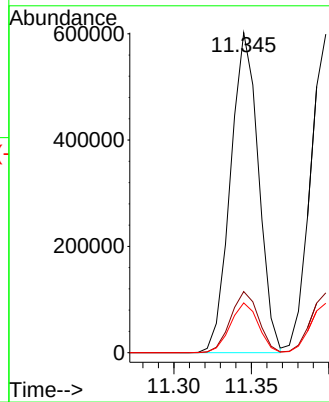
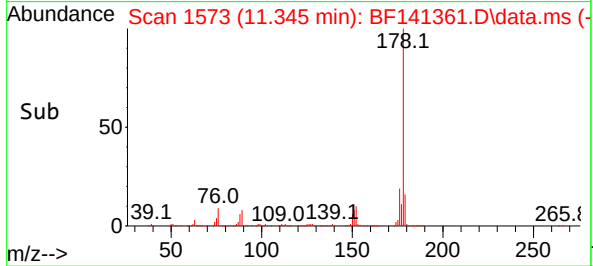
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:178 Resp: 756111
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.6 12.5 18.7

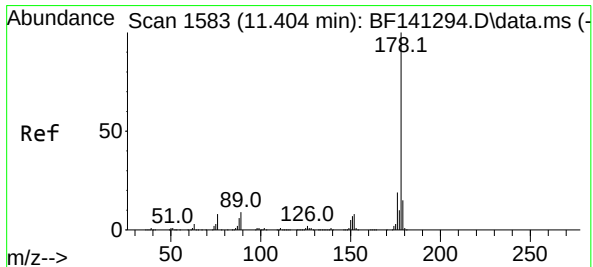
Manual Integrations
APPROVED

Reviewed By :Jagrut
Upadhyay



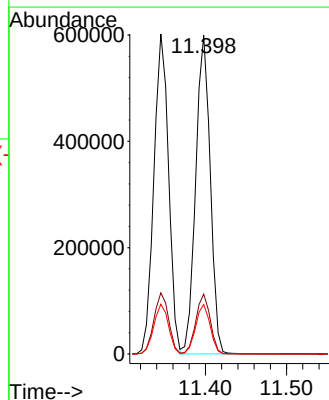
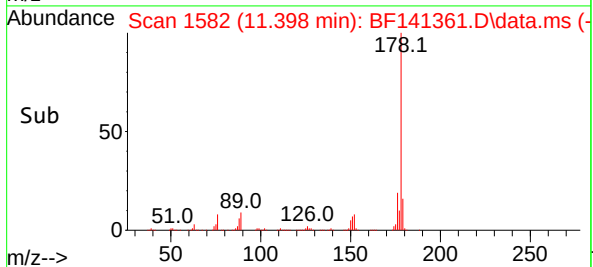
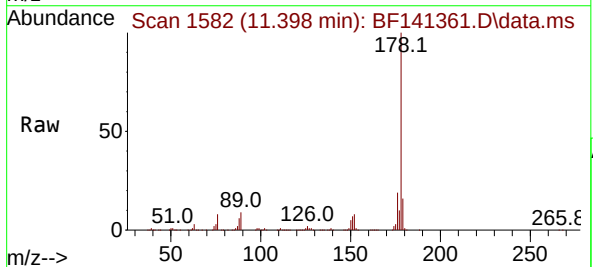
02/04/2025
Supervised By :mohammad
ahmed

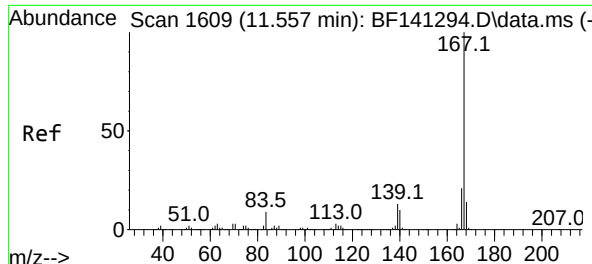
02/06/2025



#72
Anthracene
Concen: 42.420 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

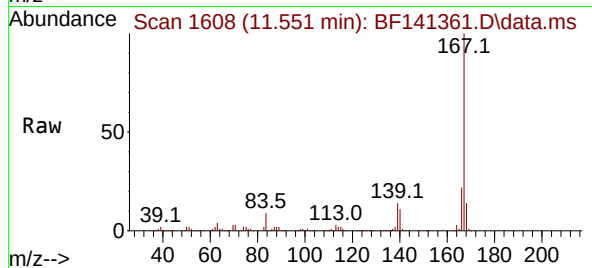
Tgt Ion:178 Resp: 747273
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.6
179 15.5 12.3 18.5





#73
Carbazole
Concen: 44.227 ng
RT: 11.551 min Scan# 1608
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

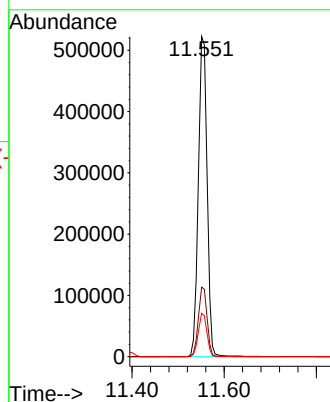
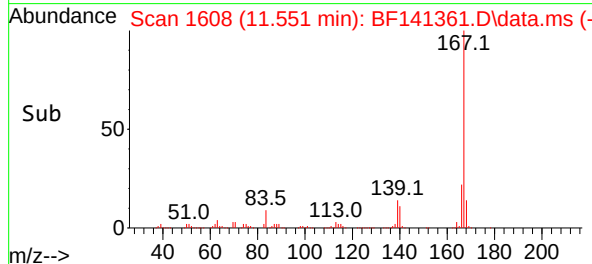
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:167 Resp: 690858
Ion Ratio Lower Upper
167 100
166 21.8 17.0 25.6
139 13.5 10.6 16.0

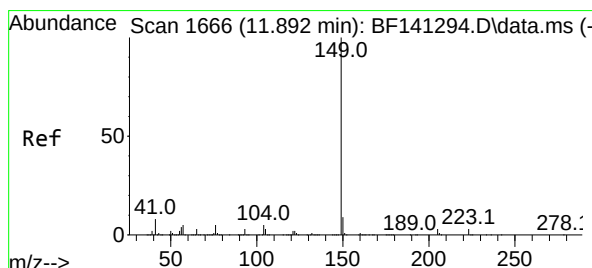
Manual Integrations
APPROVED

Reviewed By :Jagrut
Upadhyay

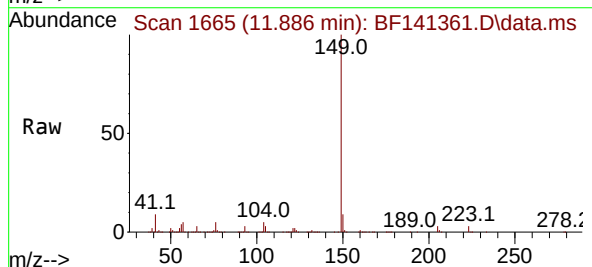


02/04/2025
Supervised By :mohammad
ahmed

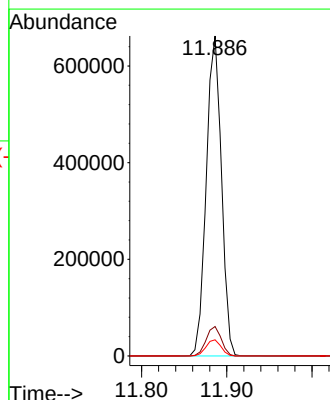
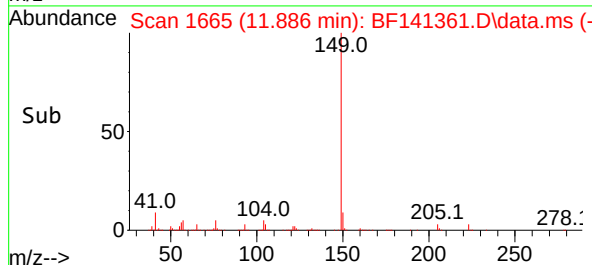
02/06/2025

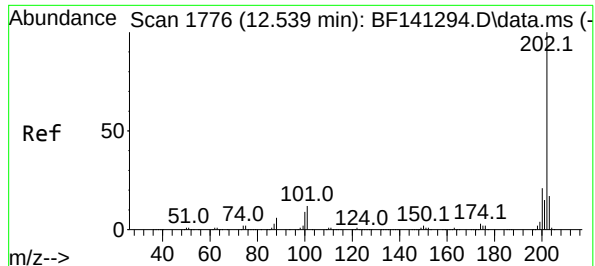


#74
Di-n-butylphthalate
Concen: 43.100 ng
RT: 11.886 min Scan# 1665
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24



Tgt Ion:149 Resp: 815911
Ion Ratio Lower Upper
149 100
150 9.2 7.4 11.2
104 5.1 3.9 5.9





#75

Fluoranthene

Concen: 45.626 ng

RT: 12.533 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:202 Resp: 809964

Ion Ratio Lower Upper

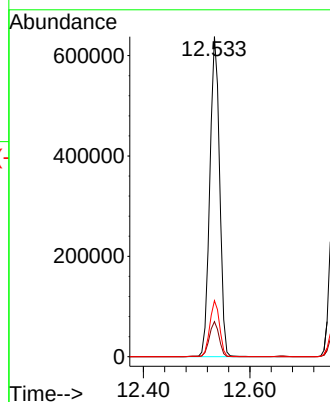
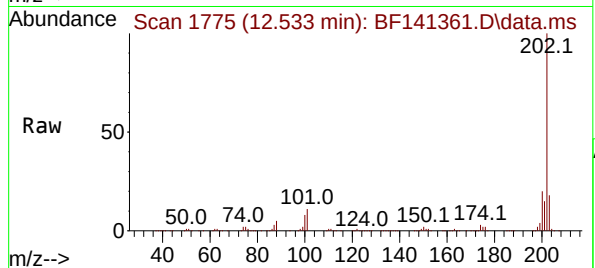
202 100

101 11.0 0.0 31.7

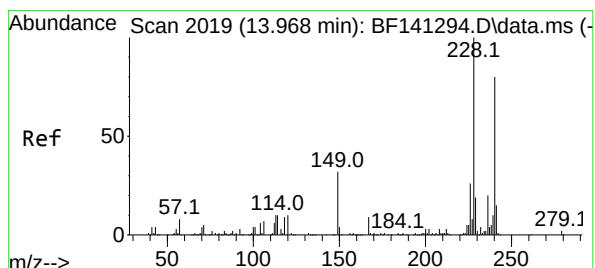
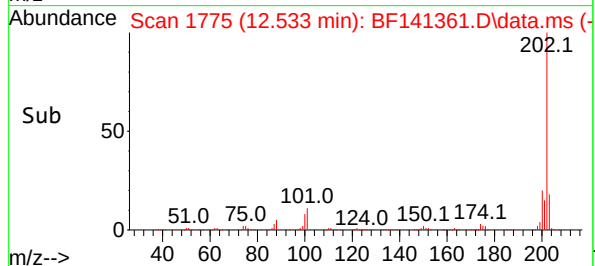
203 17.5 0.0 37.5

Manual Integrations

APPROVED

Reviewed By :Jagrut
Upadhyay02/04/2025
Supervised By :mohammad
ahmed

02/06/2025



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.968 min Scan# 2019

Delta R.T. -0.006 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

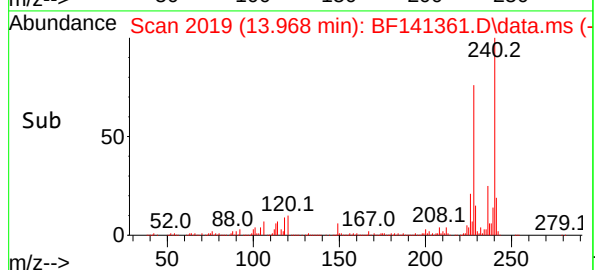
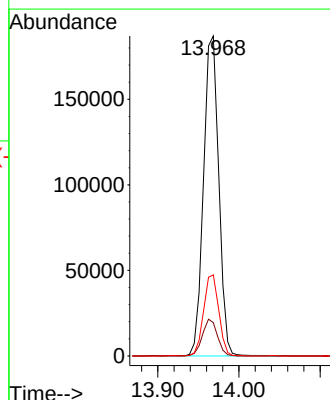
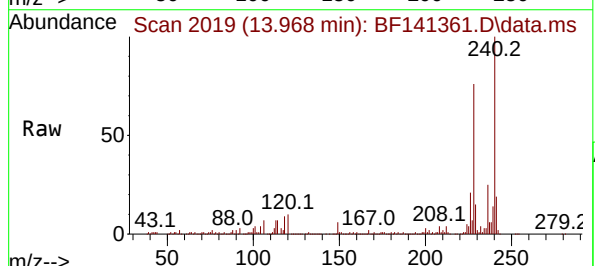
Tgt Ion:240 Resp: 243574

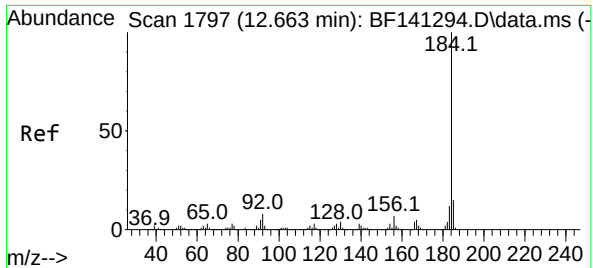
Ion Ratio Lower Upper

240 100

120 10.4 10.0 15.0

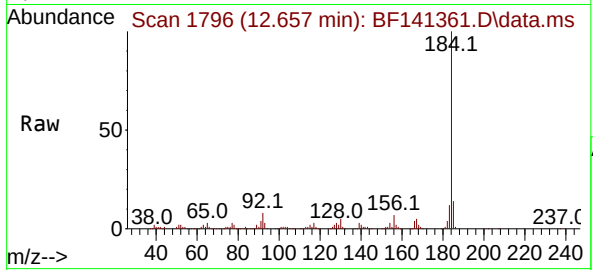
236 25.4 19.7 29.5





#77
Benzidine
Concen: 39.082 ng
RT: 12.657 min Scan# 1796
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

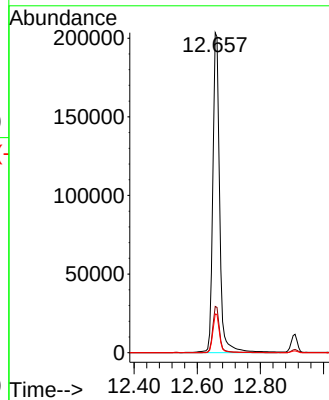
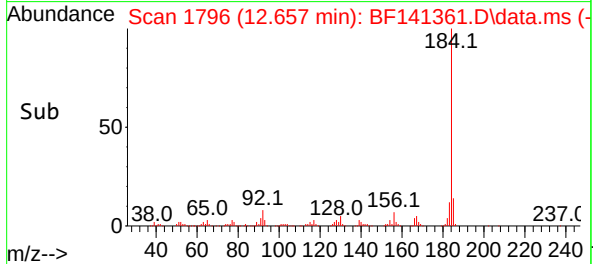
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:184 Resp: 30517
Ion Ratio Lower Upper
184 100
185 14.5 11.9 17.9
183 12.1 9.5 14.3

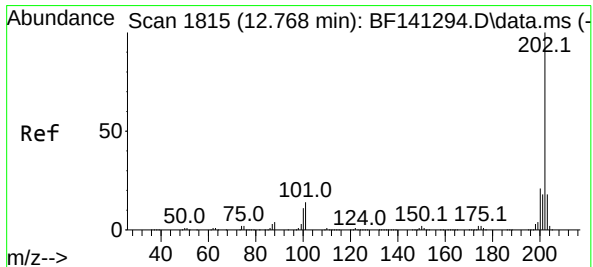
Manual Integrations
APPROVED

Reviewed By :Jagrut
Upadhyay



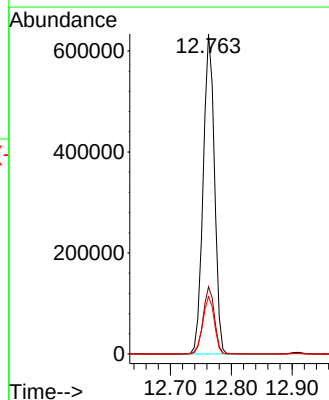
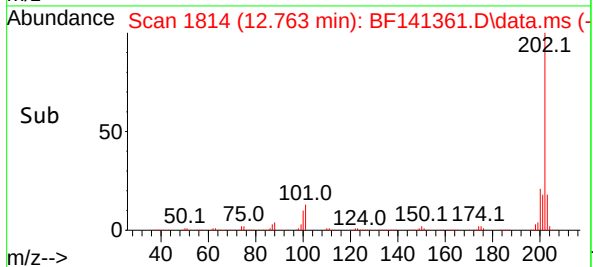
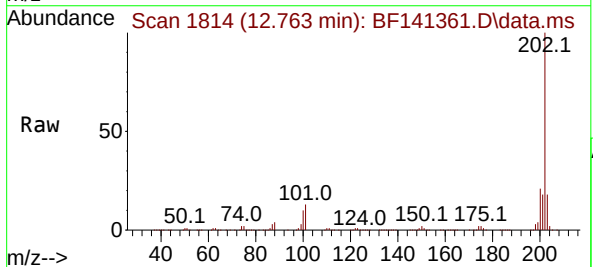
02/04/2025
Supervised By :mohammad
ahmed

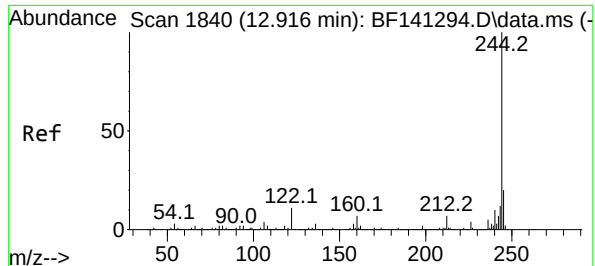
02/06/2025



#78
Pyrene
Concen: 34.986 ng
RT: 12.763 min Scan# 1814
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:202 Resp: 817992
Ion Ratio Lower Upper
202 100
200 21.0 17.0 25.4
203 18.0 14.3 21.5





#79

Terphenyl-d14

Concen: 70.570 ng

RT: 12.910 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141361.D

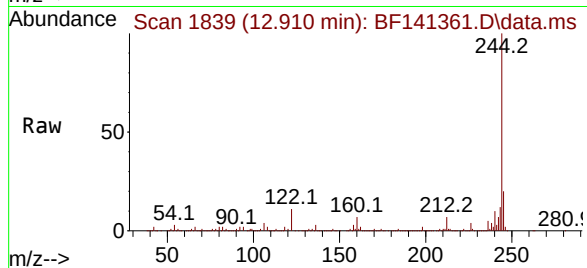
Acq: 03 Feb 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:244 Resp: 111459

Ion Ratio Lower Upper

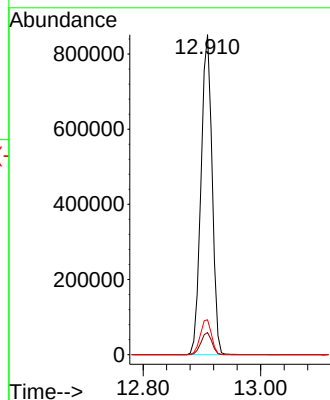
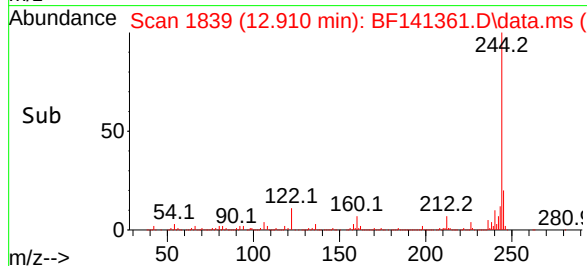
244 100

212 6.9 5.4 8.0

122 10.9 8.8 13.2

Manual Integrations

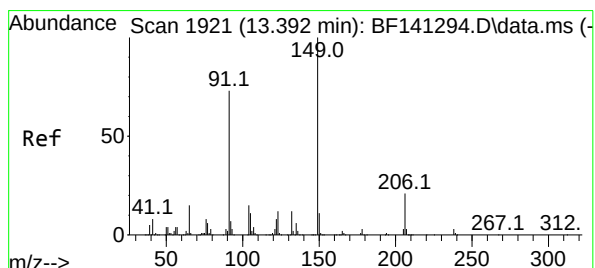
APPROVED

Reviewed By :Jagrut
Upadhyay

02/04/2025

Supervised By :mohammad
ahmed

02/06/2025



#80

Butylbenzylphthalate

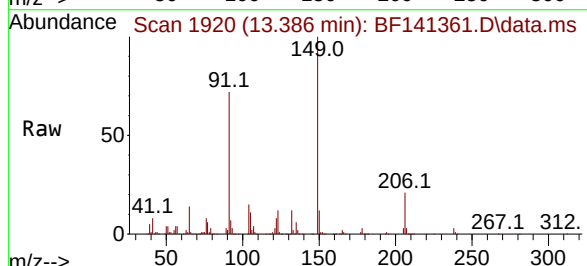
Concen: 38.308 ng

RT: 13.386 min Scan# 1920

Delta R.T. -0.006 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24



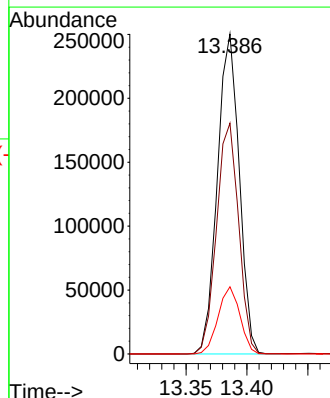
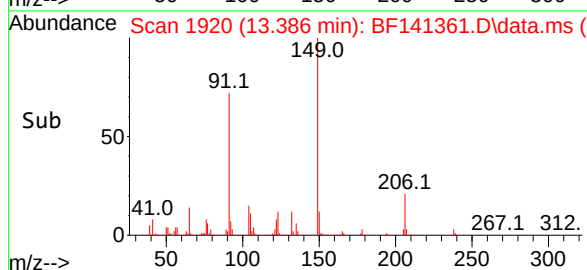
Tgt Ion:149 Resp: 312910

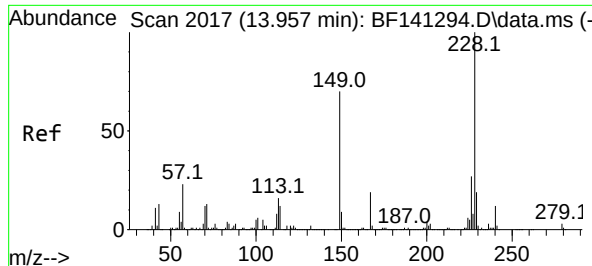
Ion Ratio Lower Upper

149 100

91 72.1 58.6 87.8

206 21.0 16.7 25.1





#81

Benzo(a)anthracene

Concen: 38.325 ng

RT: 13.957 min Scan# 2017

Delta R.T. -0.006 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:228 Resp: 64416

Ion Ratio Lower Upper

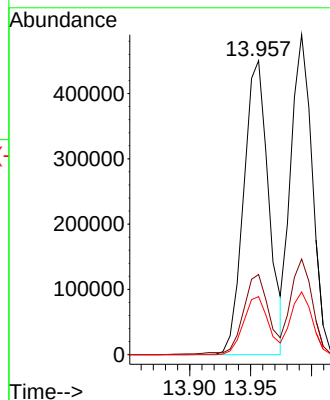
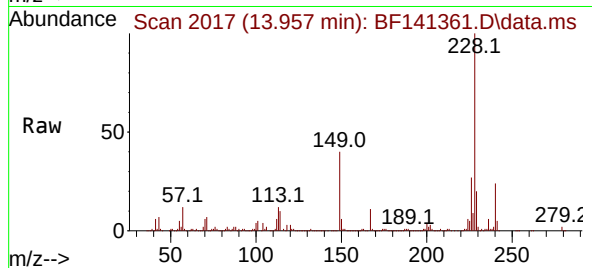
228 100

226 27.3 21.4 32.2

229 19.8 15.5 23.3

Manual Integrations

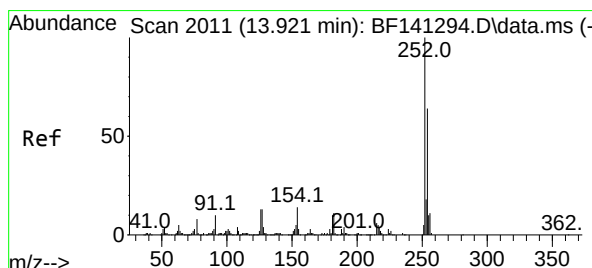
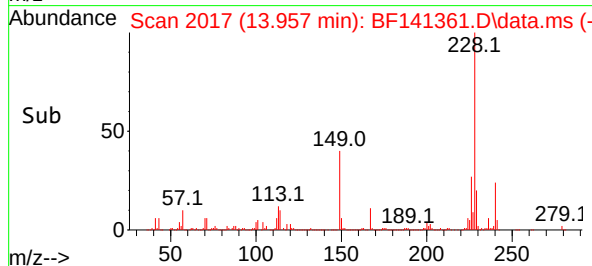
APPROVED

Reviewed By :Jagrut
Upadhyay

02/04/2025

Supervised By :mohammad
ahmed

02/06/2025



#82

3,3'-Dichlorobenzidine

Concen: 39.687 ng

RT: 13.921 min Scan# 2011

Delta R.T. -0.006 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

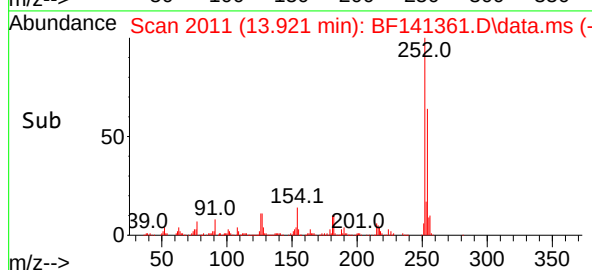
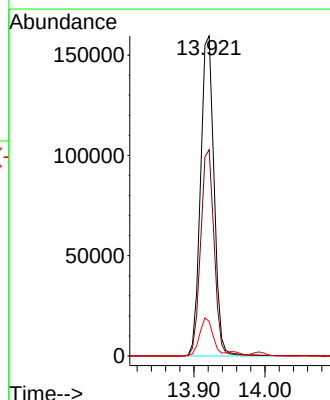
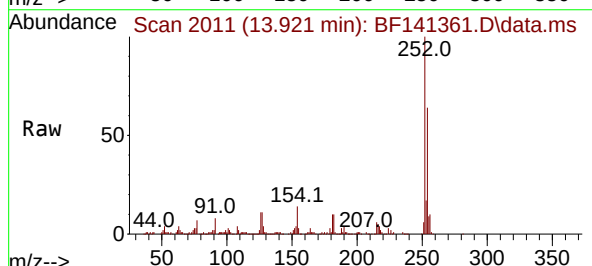
Tgt Ion:252 Resp: 212156

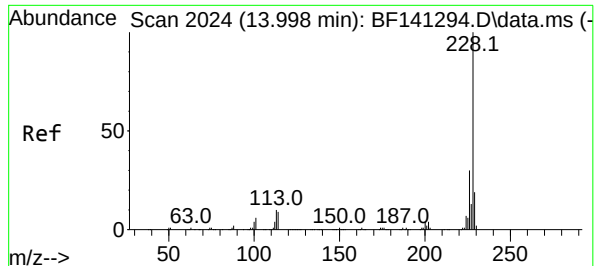
Ion Ratio Lower Upper

252 100

254 64.5 51.3 76.9

126 10.8 10.0 15.0





#83

Chrysene

Concen: 39.050 ng

RT: 13.992 min Scan# 2015

Delta R.T. -0.006 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:228 Resp: 601529

Ion Ratio Lower Upper

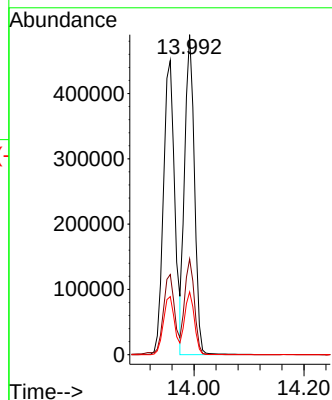
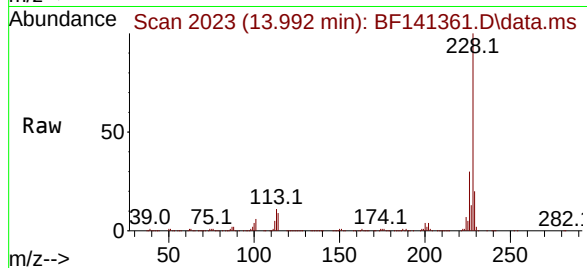
228 100

226 29.9 24.1 36.1

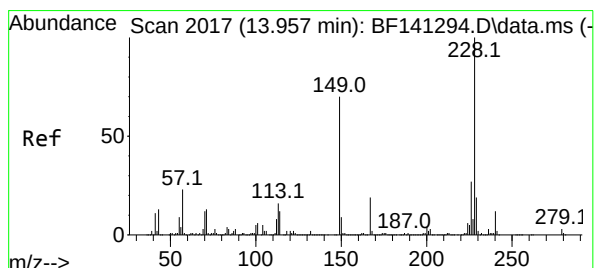
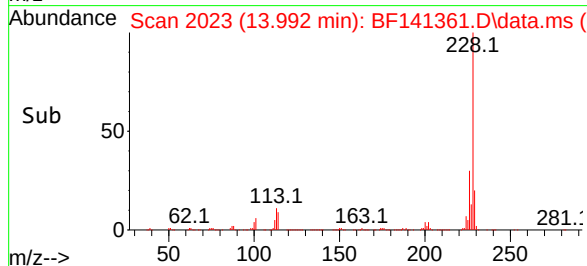
229 19.6 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Jagrut
Upadhyay02/04/2025
Supervised By :mohammad
ahmed

02/06/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 42.145 ng

RT: 13.945 min Scan# 2015

Delta R.T. -0.012 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

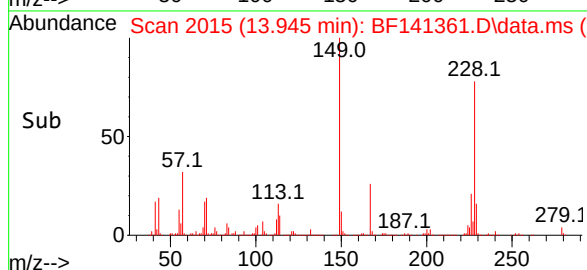
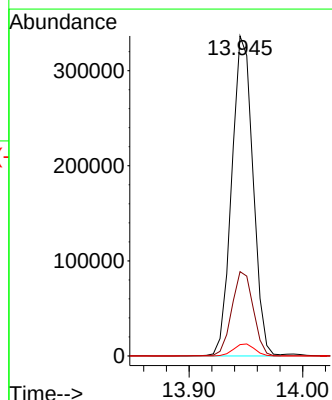
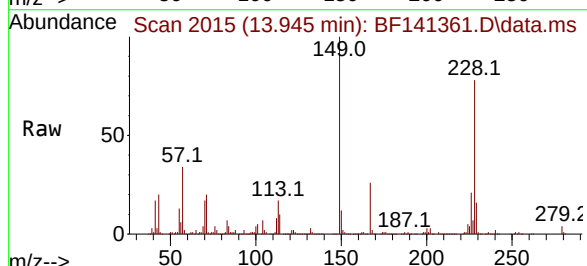
Tgt Ion:149 Resp: 436692

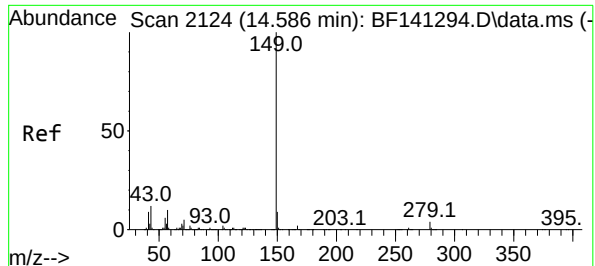
Ion Ratio Lower Upper

149 100

167 26.4 21.8 32.8

279 3.6 3.3 4.9





#85

Di-n-octyl phthalate

Concen: 44.516 ng

RT: 14.574 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:149 Resp: 716424

Ion Ratio Lower Upper

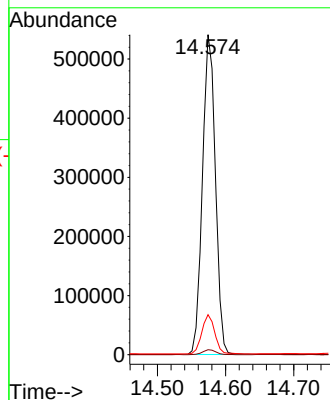
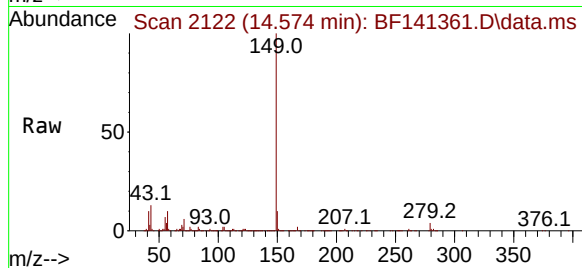
149 100

167 1.6 1.3 1.9

43 12.2 9.8 14.8

Manual Integrations

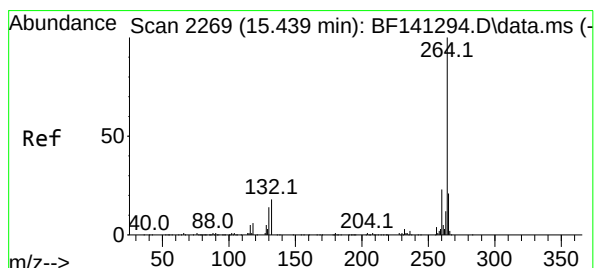
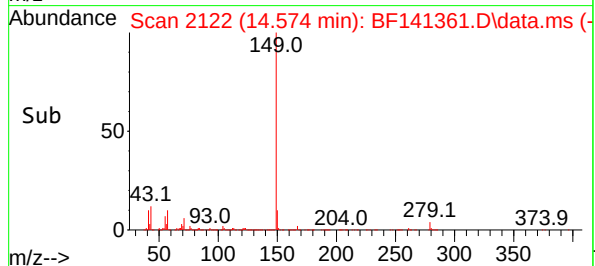
APPROVED

Reviewed By :Jagrut
Upadhyay

02/04/2025

Supervised By :mohammad
ahmed

02/06/2025



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.427 min Scan# 2267

Delta R.T. -0.012 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

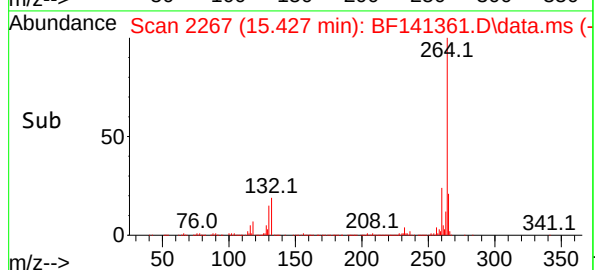
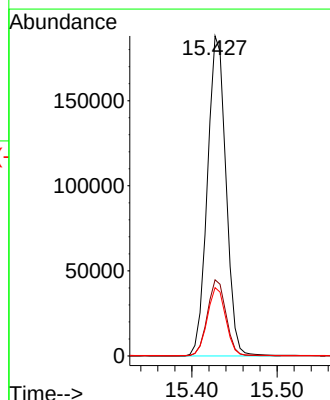
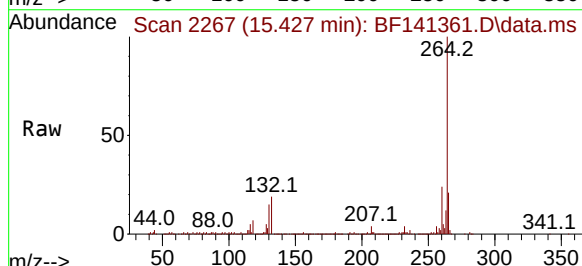
Tgt Ion:264 Resp: 284769

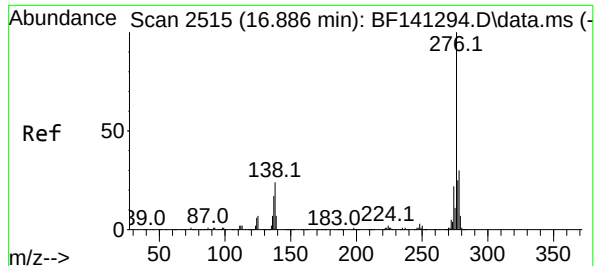
Ion Ratio Lower Upper

264 100

260 23.8 18.6 27.8

265 21.4 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 43.334 ng

RT: 16.874 min Scan# 2196

Delta R.T. -0.024 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:276 Resp: 79646

Ion Ratio Lower Upper

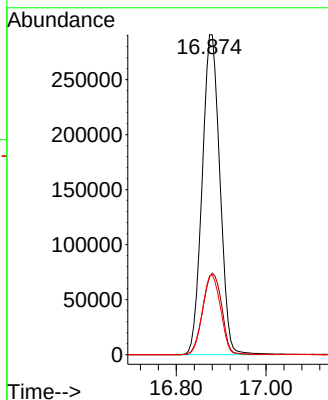
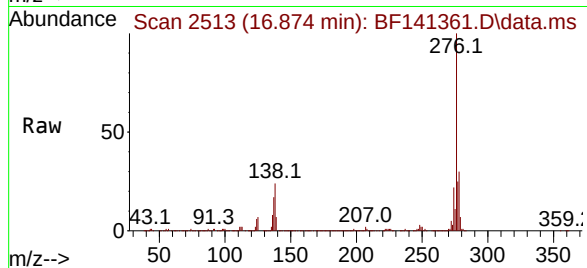
276 100

138 27.2 21.7 32.5

277 25.6 20.3 30.5

Manual Integrations

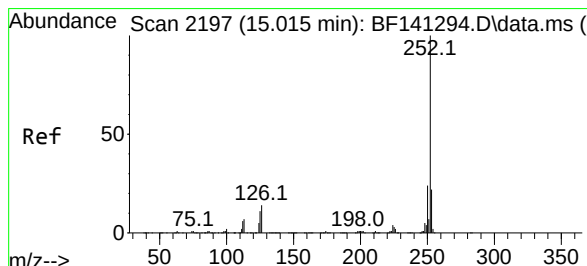
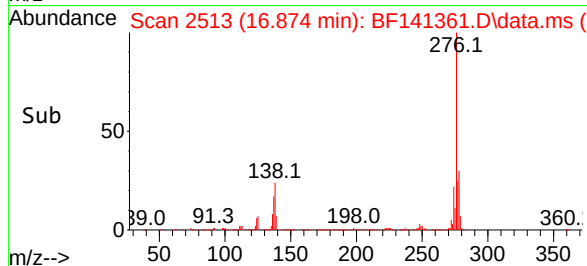
APPROVED

Reviewed By :Jagrut
Upadhyay

02/04/2025

Supervised By :mohammad
ahmed

02/06/2025



#88

Benzo(b)fluoranthene

Concen: 44.175 ng

RT: 15.009 min Scan# 2196

Delta R.T. -0.012 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

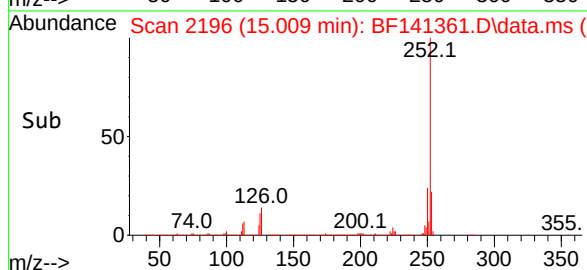
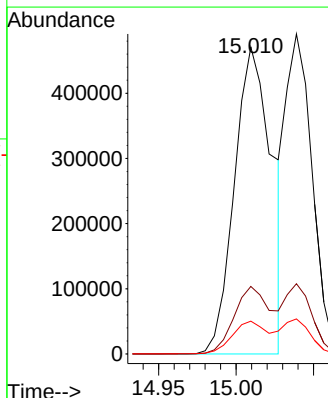
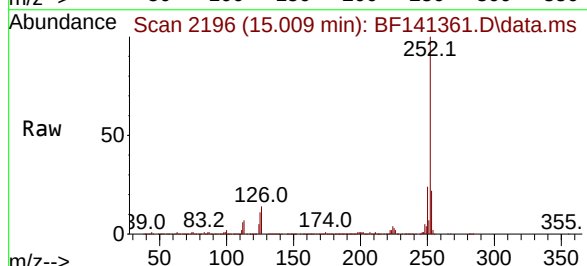
Tgt Ion:252 Resp: 791291

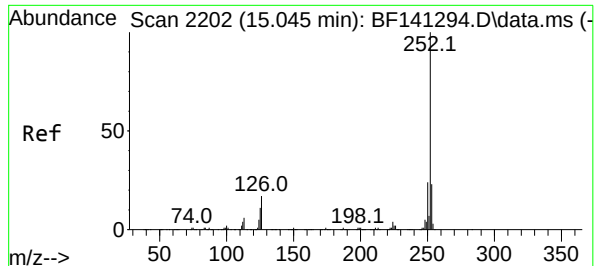
Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.2

125 10.7 8.6 12.8





#89

Benzo(k)fluoranthene

Concen: 36.950 ng

RT: 15.039 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:252 Resp: 58634

Ion Ratio Lower Upper

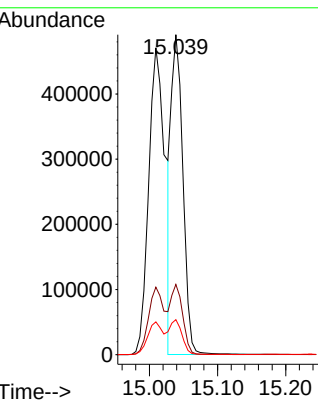
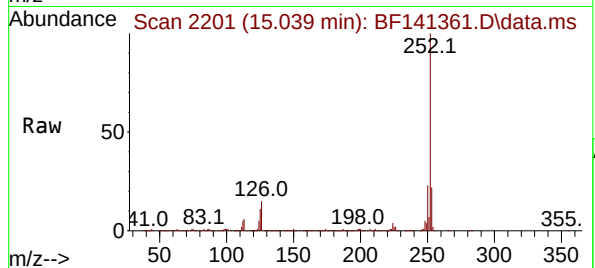
252 100

253 21.9 17.6 26.4

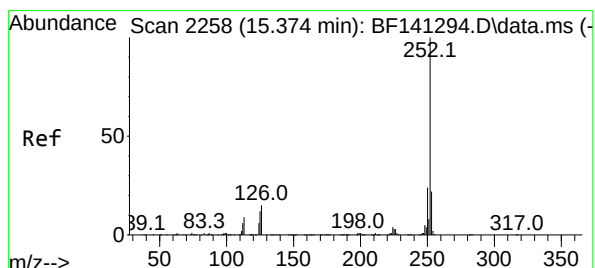
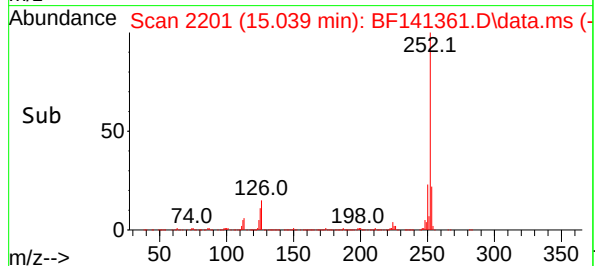
125 10.9 8.4 12.6

Manual Integrations

APPROVED

Reviewed By :Jagrut
Upadhyay02/04/2025
Supervised By :mohammad
ahmed

02/06/2025



#90

Benzo(a)pyrene

Concen: 41.504 ng

RT: 15.368 min Scan# 2257

Delta R.T. -0.012 min

Lab File: BF141361.D

Acq: 03 Feb 2025 11:24

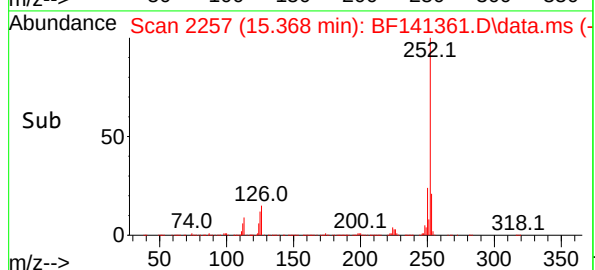
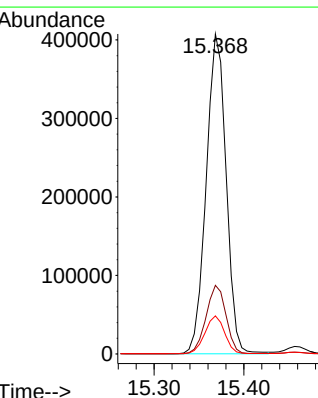
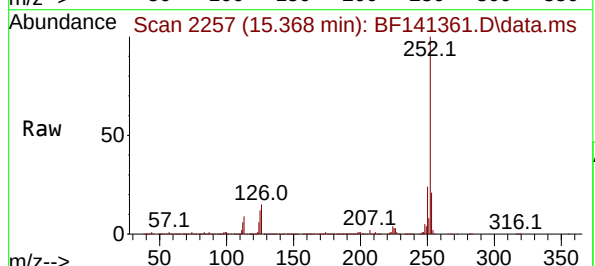
Tgt Ion:252 Resp: 628247

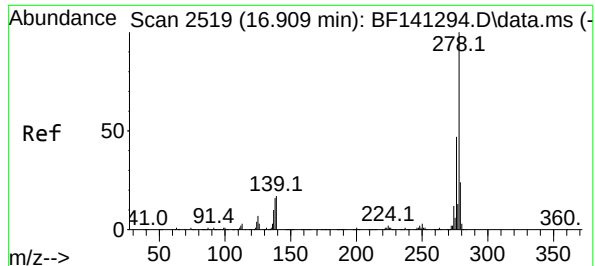
Ion Ratio Lower Upper

252 100

253 21.5 17.2 25.8

125 11.9 9.4 14.2





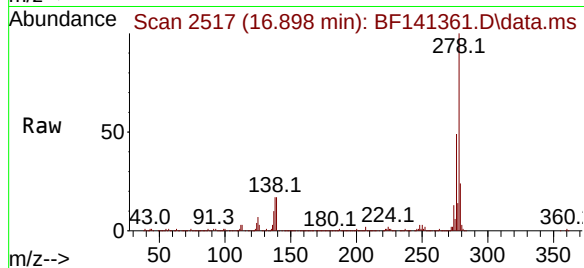
#91
Dibenzo(a,h)anthracene
Concen: 43.298 ng
RT: 16.898 min Scan# 21
Delta R.T. -0.024 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Instrument :

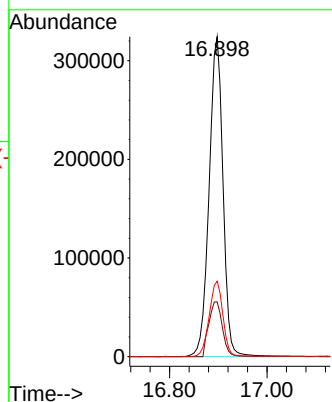
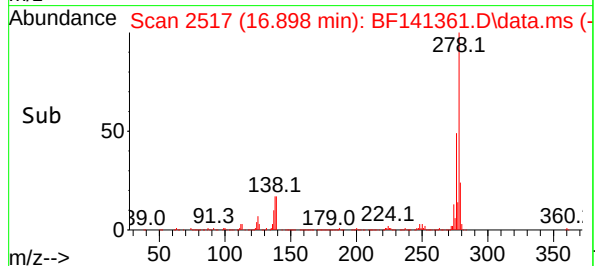
BNA_F

ClientSampleId :

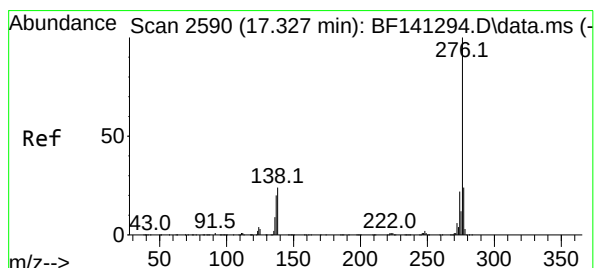
SSTDCCC040



Tgt Ion:278 Resp: 64025
Ion Ratio Lower Upper
278 100
139 17.2 13.9 20.9
279 23.6 18.8 28.2

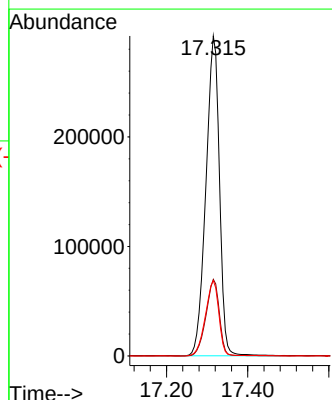
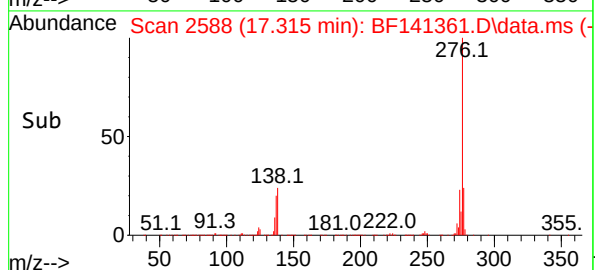
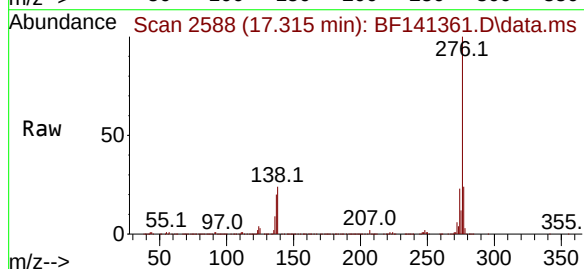
Manual Integrations
APPROVEDReviewed By :Jagrut
Upadhyay02/04/2025
Supervised By :mohammad
ahmed

02/06/2025



#92
Benzo(g,h,i)perylene
Concen: 43.768 ng
RT: 17.315 min Scan# 2588
Delta R.T. -0.030 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:276 Resp: 672962
Ion Ratio Lower Upper
276 100
277 23.9 19.2 28.8
138 23.6 19.0 28.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
 Data File : BF141361.D
 Acq On : 03 Feb 2025 11:24
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Feb 03 11:47:56 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	69	0.00
2	1,4-Dioxane	0.573	0.630	-9.9	81	-0.02
3	Pyridine	1.380	1.326	3.9	69	-0.02
4	n-Nitrosodimethylamine	0.789	0.841	-6.6	77	-0.04
5 S	2-Fluorophenol	1.303	1.313	-0.8	75	0.00
6	Aniline	1.403	1.302	7.2	66	-0.01
7 S	Phenol-d6	1.657	1.641	1.0	74	0.00
8	2-Chlorophenol	1.396	1.420	-1.7	75	0.00
9	Benzaldehyde	0.960	0.989	-3.0	76	0.00
10 C	Phenol	1.757	1.726	1.8	72	0.00
11	bis(2-Chloroethyl)ether	1.347	1.302	3.3	73	-0.01
12	1,3-Dichlorobenzene	1.540	1.572	-2.1	76	0.00
13 C	1,4-Dichlorobenzene	1.547	1.568	-1.4	75	0.00
14	1,2-Dichlorobenzene	1.448	1.472	-1.7	76	0.00
15	Benzyl Alcohol	1.133	1.213	-7.1	77	0.00
16	2,2'-oxybis(1-Chloropropane	2.342	2.200	6.1	69	0.00
17	2-Methylphenol	1.135	1.098	3.3	72	0.00
18	Hexachloroethane	0.571	0.590	-3.3	77	0.00
19 P	n-Nitroso-di-n-propylamine	0.985	0.973	1.2	75	-0.02
20	3+4-Methylphenols	1.393	1.446	-3.8	77	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	68	0.00
22	Acetophenone	0.475	0.501	-5.5	78	-0.01
23 S	Nitrobenzene-d5	0.379	0.397	-4.7	76	0.00
24	Nitrobenzene	0.393	0.407	-3.6	74	-0.01
25	Isophorone	0.656	0.653	0.5	73	-0.01
26 C	2-Nitrophenol	0.185	0.192	-3.8	74	0.00
27	2,4-Dimethylphenol	0.236	0.234	0.8	71	0.00
28	bis(2-Chloroethoxy)methane	0.418	0.414	1.0	72	-0.01
29 C	2,4-Dichlorophenol	0.289	0.297	-2.8	75	0.00
30	1,2,4-Trichlorobenzene	0.330	0.335	-1.5	75	0.00
31	Naphthalene	1.057	1.079	-2.1	75	0.00
32	Benzoic acid	0.217	0.227	-4.6	70	-0.02
33	4-Chloroaniline	0.358	0.348	2.8	70	0.00
34 C	Hexachlorobutadiene	0.194	0.207	-6.7	79	0.00
35	Caprolactam	0.094	0.095	-1.1	72	-0.03
36 C	4-Chloro-3-methylphenol	0.310	0.324	-4.5	77	0.00
37	2-Methylnaphthalene	0.672	0.690	-2.7	75	0.00
38	1-Methylnaphthalene	0.660	0.672	-1.8	75	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	70	0.00
40	1,2,4,5-Tetrachlorobenzene	0.569	0.572	-0.5	75	0.00
41 P	Hexachlorocyclopentadiene	0.168	0.185	-10.1	75	0.00
42 S	2,4,6-Tribromophenol	0.183	0.200	-9.3	81	0.00
43 C	2,4,6-Trichlorophenol	0.372	0.384	-3.2	74	0.00
44	2,4,5-Trichlorophenol	0.405	0.416	-2.7	77	0.00
45 S	2-Fluorobiphenyl	1.299	1.315	-1.2	78	0.00
46	1,1'-Biphenyl	1.560	1.548	0.8	75	0.00
47	2-Chloronaphthalene	1.216	1.208	0.7	76	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
 Data File : BF141361.D
 Acq On : 03 Feb 2025 11:24
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Feb 03 11:47:56 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	2-Nitroaniline	0.382	0.392	-2.6	76	0.00
49	Acenaphthylene	1.702	1.699	0.2	75	0.00
50	Dimethylphthalate	1.351	1.368	-1.3	78	-0.01
51	2,6-Dinitrotoluene	0.314	0.315	-0.3	75	0.00
52 C	Acenaphthene	1.216	1.239	-1.9	77	0.00
53	3-Nitroaniline	0.307	0.322	-4.9	75	0.00
54 P	2,4-Dinitrophenol	0.146	0.163	-11.6	78	0.00
55	Dibenzofuran	1.627	1.650	-1.4	76	0.00
56 P	4-Nitrophenol	0.225	0.256	-13.8	80	0.02
57	2,4-Dinitrotoluene	0.406	0.426	-4.9	77	-0.01
58	Fluorene	1.262	1.311	-3.9	79	-0.01
59	2,3,4,6-Tetrachlorophenol	0.319	0.342	-7.2	79	0.00
60	Diethylphthalate	1.310	1.343	-2.5	77	-0.01
61	4-Chlorophenyl-phenylether	0.617	0.635	-2.9	78	0.00
62	4-Nitroaniline	0.302	0.331	-9.6	80	-0.01
63	Azobenzene	1.311	1.313	-0.2	75	-0.01
64 I	Phenanthrene-d10	1.000	1.000	0.0	73	0.00
65	4,6-Dinitro-2-methylphenol	0.118	0.139	-17.8	81	0.00
66 c	n-Nitrosodiphenylamine	0.647	0.658	-1.7	77	0.00
67	4-Bromophenyl-phenylether	0.224	0.234	-4.5	79	0.00
68	Hexachlorobenzene	0.238	0.249	-4.6	79	0.00
69	Atrazine	0.216	0.216	0.0	74	-0.01
70 C	Pentachlorophenol	0.139	0.152	-9.4	77	0.00
71	Phenanthrene	1.075	1.130	-5.1	80	0.00
72	Anthracene	1.053	1.117	-6.1	81	0.00
73	Carbazole	0.934	1.033	-10.6	84	0.00
74	Di-n-butylphthalate	1.132	1.220	-7.8	82	0.00
75 C	Fluoranthene	1.062	1.211	-14.0	87	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	93	0.00
77	Benzydine	0.641	0.626	2.3	80	0.00
78	Pyrene	1.920	1.679	12.6	89	0.00
79 S	Terphenyl-d14	1.297	1.144	11.8	90	0.00
80	Butylbenzylphthalate	0.671	0.642	4.3	96	0.00
81	Benzo(a)anthracene	1.380	1.322	4.2	97	0.00
82	3,3'-Dichlorobenzidine	0.439	0.436	0.7	97	0.00
83	Chrysene	1.265	1.235	2.4	102	0.00
84	Bis(2-ethylhexyl)phthalate	0.851	0.896	-5.3	107	-0.01
85 c	Di-n-octyl phthalate	1.321	1.471	-11.4	112	-0.01
86 I	Perylene-d12	1.000	1.000	0.0	102	-0.01
87	Indeno(1,2,3-cd)pyrene	1.291	1.398	-8.3	113	-0.02
88	Benzo(b)fluoranthene	1.258	1.389	-10.4	126	-0.01
89	Benzo(k)fluoranthene	1.114	1.030	7.5	97	-0.01
90 C	Benzo(a)pyrene	1.063	1.103	-3.8	111	-0.01
91	Dibenzo(a,h)anthracene	1.039	1.124	-8.2	113	-0.02
92	Benzo(g,h,i)perylene	1.080	1.182	-9.4	115	-0.03

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141361.D
Acq On : 03 Feb 2025 11:24
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 03 11:47:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
 Data File : BF141361.D
 Acq On : 03 Feb 2025 11:24
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Feb 03 11:47:56 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	69	0.00
2	1,4-Dioxane	40.000	44.012	-10.0	81	-0.02
3	Pyridine	40.000	38.431	3.9	69	-0.02
4	n-Nitrosodimethylamine	40.000	42.660	-6.6	77	-0.04
5 S	2-Fluorophenol	80.000	80.639	-0.8	75	0.00
6	Aniline	40.000	37.112	7.2	66	-0.01
7 S	Phenol-d6	80.000	79.215	1.0	74	0.00
8	2-Chlorophenol	40.000	40.687	-1.7	75	0.00
9	Benzaldehyde	40.000	41.190	-3.0	76	0.00
10 C	Phenol	40.000	39.294	1.8	72	0.00
11	bis(2-Chloroethyl)ether	40.000	38.659	3.4	73	-0.01
12	1,3-Dichlorobenzene	40.000	40.844	-2.1	76	0.00
13 C	1,4-Dichlorobenzene	40.000	40.554	-1.4	75	0.00
14	1,2-Dichlorobenzene	40.000	40.649	-1.6	76	0.00
15	Benzyl Alcohol	40.000	42.844	-7.1	77	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	37.563	6.1	69	0.00
17	2-Methylphenol	40.000	38.689	3.3	72	0.00
18	Hexachloroethane	40.000	41.383	-3.5	77	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	39.542	1.1	75	-0.02
20	3+4-Methylphenols	40.000	41.520	-3.8	77	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	68	0.00
22	Acetophenone	40.000	42.153	-5.4	78	-0.01
23 S	Nitrobenzene-d5	80.000	83.781	-4.7	76	0.00
24	Nitrobenzene	40.000	41.381	-3.5	74	-0.01
25	Isophorone	40.000	39.825	0.4	73	-0.01
26 C	2-Nitrophenol	40.000	41.467	-3.7	74	0.00
27	2,4-Dimethylphenol	40.000	39.629	0.9	71	0.00
28	bis(2-Chloroethoxy)methane	40.000	39.540	1.2	72	-0.01
29 C	2,4-Dichlorophenol	40.000	41.114	-2.8	75	0.00
30	1,2,4-Trichlorobenzene	40.000	40.654	-1.6	75	0.00
31	Naphthalene	40.000	40.850	-2.1	75	0.00
32	Benzoic acid	40.000	41.864	-4.7	70	-0.02
33	4-Chloroaniline	40.000	38.830	2.9	70	0.00
34 C	Hexachlorobutadiene	40.000	42.830	-7.1	79	0.00
35	Caprolactam	40.000	40.128	-0.3	72	-0.03
36 C	4-Chloro-3-methylphenol	40.000	41.805	-4.5	77	0.00
37	2-Methylnaphthalene	40.000	41.088	-2.7	75	0.00
38	1-Methylnaphthalene	40.000	40.770	-1.9	75	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	70	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	40.237	-0.6	75	0.00
41 P	Hexachlorocyclopentadiene	40.000	43.983	-10.0	75	0.00
42 S	2,4,6-Tribromophenol	80.000	87.321	-9.2	81	0.00
43 C	2,4,6-Trichlorophenol	40.000	41.248	-3.1	74	0.00
44	2,4,5-Trichlorophenol	40.000	41.031	-2.6	77	0.00
45 S	2-Fluorobiphenyl	80.000	80.940	-1.2	78	0.00
46	1,1'-Biphenyl	40.000	39.699	0.8	75	0.00
47	2-Chloronaphthalene	40.000	39.740	0.6	76	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
 Data File : BF141361.D
 Acq On : 03 Feb 2025 11:24
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Feb 03 11:47:56 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	41.055	-2.6	76	0.00
49	Acenaphthylene	40.000	39.923	0.2	75	0.00
50	Dimethylphthalate	40.000	40.523	-1.3	78	-0.01
51	2,6-Dinitrotoluene	40.000	40.149	-0.4	75	0.00
52 C	Acenaphthene	40.000	40.755	-1.9	77	0.00
53	3-Nitroaniline	40.000	41.859	-4.6	75	0.00
54 P	2,4-Dinitrophenol	40.000	44.625	-11.6	78	0.00
55	Dibenzofuran	40.000	40.548	-1.4	76	0.00
56 P	4-Nitrophenol	40.000	45.471	-13.7	80	0.02
57	2,4-Dinitrotoluene	40.000	41.946	-4.9	77	-0.01
58	Fluorene	40.000	41.554	-3.9	79	-0.01
59	2,3,4,6-Tetrachlorophenol	40.000	42.892	-7.2	79	0.00
60	Diethylphthalate	40.000	41.025	-2.6	77	-0.01
61	4-Chlorophenyl-phenylether	40.000	41.170	-2.9	78	0.00
62	4-Nitroaniline	40.000	43.865	-9.7	80	-0.01
63	Azobenzene	40.000	40.048	-0.1	75	-0.01
64 I	Phenanthrene-d10	20.000	20.000	0.0	73	0.00
65	4,6-Dinitro-2-methylphenol	40.000	46.869	-17.2	81	0.00
66 c	n-Nitrosodiphenylamine	40.000	40.682	-1.7	77	0.00
67	4-Bromophenyl-phenylether	40.000	41.715	-4.3	79	0.00
68	Hexachlorobenzene	40.000	41.866	-4.7	79	0.00
69	Atrazine	40.000	39.975	0.1	74	-0.01
70 C	Pentachlorophenol	40.000	43.745	-9.4	77	0.00
71	Phenanthrene	40.000	42.056	-5.1	80	0.00
72	Anthracene	40.000	42.420	-6.1	81	0.00
73	Carbazole	40.000	44.227	-10.6	84	0.00
74	Di-n-butylphthalate	40.000	43.100	-7.8	82	0.00
75 C	Fluoranthene	40.000	45.626	-14.1	87	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	93	0.00
77	Benzydine	40.000	39.082	2.3	80	0.00
78	Pyrene	40.000	34.986	12.5	89	0.00
79 S	Terphenyl-d14	80.000	70.570	11.8	90	0.00
80	Butylbenzylphthalate	40.000	38.308	4.2	96	0.00
81	Benzo(a)anthracene	40.000	38.325	4.2	97	0.00
82	3,3'-Dichlorobenzidine	40.000	39.687	0.8	97	0.00
83	Chrysene	40.000	39.050	2.4	102	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	42.145	-5.4	107	-0.01
85 c	Di-n-octyl phthalate	40.000	44.516	-11.3	112	-0.01
86 I	Perylene-d12	20.000	20.000	0.0	102	-0.01
87	Indeno(1,2,3-cd)pyrene	40.000	43.334	-8.3	113	-0.02
88	Benzo(b)fluoranthene	40.000	44.175	-10.4	126	-0.01
89	Benzo(k)fluoranthene	40.000	36.950	7.6	97	-0.01
90 C	Benzo(a)pyrene	40.000	41.504	-3.8	111	-0.01
91	Dibenzo(a,h)anthracene	40.000	43.298	-8.2	113	-0.02
92	Benzo(g,h,i)perylene	40.000	43.768	-9.4	115	-0.03

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141361.D
Acq On : 03 Feb 2025 11:24
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 03 11:47:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG No.: Q1194

Instrument ID: BNA_F Calibration Date/Time: 02/04/2025 10:42

Lab File ID: BF141398.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 17:05

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.303	1.302		-0.1	
Benzaldehyde	0.960	0.893		-7.0	
Phenol-d6	1.657	1.560		-5.9	
Phenol	1.757	1.650		-6.1	20.0
bis(2-Chloroethyl)ether	1.347	1.262		-6.3	
2-Chlorophenol	1.396	1.387		-0.6	
2-Methylphenol	1.135	1.074		-5.4	
2,2-oxybis(1-Chloropropane)	2.342	2.108		-10.0	
Acetophenone	0.475	0.491		3.4	
3+4-Methylphenols	1.393	1.375		-1.3	
n-Nitroso-di-n-propylamine	0.985	0.929	0.050	-5.7	
Nitrobenzene-d5	0.379	0.391		3.2	
Hexachloroethane	0.571	0.583		2.1	
Nitrobenzene	0.393	0.398		1.3	
Isophorone	0.656	0.643		-2.0	
2-Nitrophenol	0.185	0.185		0.0	20.0
2,4-Dimethylphenol	0.236	0.230		-2.5	
bis(2-Chloroethoxy)methane	0.418	0.403		-3.6	
2,4-Dichlorophenol	0.289	0.296		2.4	20.0
Naphthalene	1.057	1.061		0.4	
4-Chloroaniline	0.358	0.347		-3.1	
Hexachlorobutadiene	0.194	0.208		7.2	20.0
Caprolactam	0.094	0.093		-1.1	
4-Chloro-3-methylphenol	0.310	0.325		4.8	20.0
2-Methylnaphthalene	0.672	0.684		1.8	
Hexachlorocyclopentadiene	0.168	0.185	0.050	10.1	
2,4,6-Trichlorophenol	0.372	0.382		2.7	20.0
2-Fluorobiphenyl	1.299	1.328		2.2	
2,4,5-Trichlorophenol	0.405	0.421		4.0	
1,1-Biphenyl	1.560	1.563		0.2	
2-Chloronaphthalene	1.216	1.209		-0.6	
2-Nitroaniline	0.382	0.390		2.1	
Dimethylphthalate	1.351	1.371		1.5	
Acenaphthylene	1.702	1.717		0.9	
2,6-Dinitrotoluene	0.314	0.321		2.2	
3-Nitroaniline	0.307	0.321		4.6	
Acenaphthene	1.216	1.256		3.3	20.0
2,4-Dinitrophenol	0.146	0.165	0.050	13.0	
4-Nitrophenol	0.225	0.257	0.050	14.2	



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.: Q1194 SAS No.: Q1194 SDG No.: Q1194

Instrument ID: BNA_F Calibration Date/Time: 02/04/2025 10:42

Lab File ID: BF141398.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 17:05

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.627	1.669		2.6	
2,4-Dinitrotoluene	0.406	0.441		8.6	
Diethylphthalate	1.310	1.374		4.9	
4-Chlorophenyl-phenylether	0.617	0.648		5.0	
Fluorene	1.262	1.306		3.5	
4-Nitroaniline	0.302	0.344		13.9	
4,6-Dinitro-2-methylphenol	0.118	0.137		16.1	
n-Nitrosodiphenylamine	0.647	0.634		-2.0	20.0
2,4,6-Tribromophenol	0.183	0.202		10.4	
4-Bromophenyl-phenylether	0.224	0.225		0.4	
Hexachlorobenzene	0.238	0.243		2.1	
Atrazine	0.216	0.214		-0.9	
Pentachlorophenol	0.139	0.161		15.8	20.0
Phenanthrene	1.075	1.109		3.2	
Anthracene	1.053	1.092		3.7	
Carbazole	0.934	1.029		10.1	
Di-n-butylphthalate	1.132	1.214		7.2	
Fluoranthene	1.062	1.240		16.8	20.0
Pyrene	1.920	1.729		-9.9	
Terphenyl-d14	1.297	1.200		-7.5	
Butylbenzylphthalate	0.671	0.691		3.0	
3,3-Dichlorobenzidine	0.439	0.412		-6.2	
Benzo (a) anthracene	1.380	1.305		-5.4	
Chrysene	1.265	1.270		0.4	
Bis(2-ethylhexyl)phthalate	0.851	0.910		6.9	
Di-n-octyl phthalate	1.321	1.415		7.1	20.0
Benzo (b) fluoranthene	1.258	1.341		6.6	
Benzo (k) fluoranthene	1.114	1.140		2.3	
Benzo (a) pyrene	1.063	1.072		0.8	20.0
Indeno (1,2,3-cd) pyrene	1.291	1.338		3.6	
Dibenzo (a,h) anthracene	1.039	1.068		2.8	
Benzo (g,h,i) perylene	1.080	1.113		3.1	
1,2,4,5-Tetrachlorobenzene	0.569	0.587		3.2	
1,4-Dioxane	0.573	0.555		-3.1	20.0
2,3,4,6-Tetrachlorophenol	0.319	0.341		6.9	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
 Data File : BF141398.D
 Acq On : 04 Feb 2025 10:42
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Feb 04 11:34:05 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	87552	20.000	ng	-0.01
21) Naphthalene-d8	8.075	136	331835	20.000	ng	#-0.01
39) Acenaphthene-d10	9.828	164	180473	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	318826	20.000	ng	-0.01
76) Chrysene-d12	13.963	240	235294	20.000	ng	-0.01
86) Perylene-d12	15.421	264	201713	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	455924	79.945	ng	0.00
7) Phenol-d6	6.434	99	546451	75.322	ng	0.00
23) Nitrobenzene-d5	7.357	82	519110	82.468	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	145841	88.147	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	958786	81.771	ng	-0.01
79) Terphenyl-d14	12.904	244	1129373	74.022	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.440	88	97099	38.714	ng	98
3) Pyridine	3.175	79	222403	36.803	ng	97
4) n-Nitrosodimethylamine	3.122	42	142862m	41.383	ng	
6) Aniline	6.451	93	220322	35.876	ng	# 16
8) 2-Chlorophenol	6.581	128	242879	39.734	ng	96
9) Benzaldehyde	6.340	77	156434	37.226	ng	99
10) Phenol	6.445	94	288967	37.574	ng	# 71
11) bis(2-Chloroethyl)ether	6.528	93	221049	37.487	ng	98
12) 1,3-Dichlorobenzene	6.734	146	262908	39.009	ng	99
13) 1,4-Dichlorobenzene	6.810	146	269514	39.806	ng	100
14) 1,2-Dichlorobenzene	6.963	146	251753	39.708	ng	99
15) Benzyl Alcohol	6.934	79	203978	41.142	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.069	45	369176	36.004	ng	80
17) 2-Methylphenol	7.057	107	188055	37.854	ng	# 92
18) Hexachloroethane	7.304	117	102015	40.842	ng	97
19) n-Nitroso-di-n-propyla...	7.204	70	162661	37.733	ng	100
20) 3+4-Methylphenols	7.210	107	240839	39.483	ng	# 88
22) Acetophenone	7.198	105	326166	41.351	ng	# 98
24) Nitrobenzene	7.375	77	264172	40.497	ng	100
25) Isophorone	7.610	82	426672	39.213	ng	99
26) 2-Nitrophenol	7.692	139	122977	39.973	ng	97
27) 2,4-Dimethylphenol	7.734	122	152342m	38.904	ng	
28) bis(2-Chloroethoxy)met...	7.828	93	267181	38.495	ng	99
29) 2,4-Dichlorophenol	7.939	162	196668	41.025	ng	99
30) 1,2,4-Trichlorobenzene	8.016	180	222442	40.631	ng	99
31) Naphthalene	8.098	128	703917	40.155	ng	100
32) Benzoic acid	7.845	122	152241	42.292	ng	100
33) 4-Chloroaniline	8.151	127	230545	38.783	ng	99
34) Hexachlorobutadiene	8.216	225	137723	42.897	ng	99
35) Caprolactam	8.510	113	62051	39.634	ng	95
36) 4-Chloro-3-methylphenol	8.634	107	215967	42.000	ng	95
37) 2-Methylnaphthalene	8.787	142	453714	40.722	ng	98
38) 1-Methylnaphthalene	8.886	142	443121	40.487	ng	99
40) 1,2,4,5-Tetrachloroben...	8.951	216	211825	41.257	ng	100
41) Hexachlorocyclopentadiene	8.939	237	66678	43.974	ng	100
43) 2,4,6-Trichlorophenol	9.069	196	137805	41.007	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
 Data File : BF141398.D
 Acq On : 04 Feb 2025 10:42
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

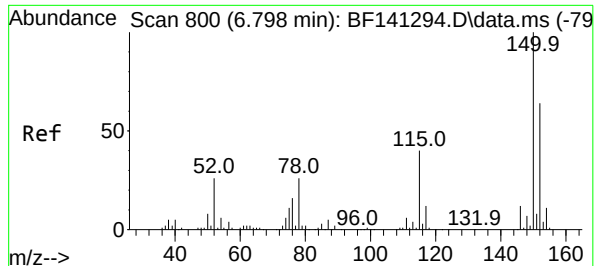
Quant Time: Feb 04 11:34:05 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.116	196	152071	41.577	ng	100
46) 1,1'-Biphenyl	9.251	154	564241	40.089	ng	99
47) 2-Chloronaphthalene	9.275	162	436455	39.785	ng	99
48) 2-Nitroaniline	9.375	65	140664	40.764	ng	99
49) Acenaphthylene	9.692	152	619791	40.360	ng	100
50) Dimethylphthalate	9.557	163	494930	40.604	ng	100
51) 2,6-Dinitrotoluene	9.616	165	115835	40.929	ng	98
52) Acenaphthene	9.863	154	453408	41.328	ng	100
53) 3-Nitroaniline	9.786	138	115797	41.746	ng	98
54) 2,4-Dinitrophenol	9.892	184	59519	45.240	ng	92
55) Dibenzofuran	10.033	168	602409	41.022	ng	97
56) 4-Nitrophenol	9.963	139	92908	45.798	ng	96
57) 2,4-Dinitrotoluene	10.022	165	159291	43.471	ng	98
58) Fluorene	10.381	166	471526	41.395	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.157	232	123166	42.803	ng	98
60) Diethylphthalate	10.251	149	495870	41.956	ng	99
61) 4-Chlorophenyl-phenyle...	10.375	204	233902	42.037	ng	100
62) 4-Nitroaniline	10.398	138	123996	45.468	ng	93
63) Azobenzene	10.533	77	475982	40.234	ng	98
65) 4,6-Dinitro-2-methylph...	10.428	198	87646	46.476	ng	97
66) n-Nitrosodiphenylamine	10.492	169	404177	39.195	ng	99
67) 4-Bromophenyl-phenylether	10.863	248	143325	40.154	ng	99
68) Hexachlorobenzene	10.928	284	155137	40.974	ng	99
69) Atrazine	11.022	200	136423	39.568	ng	99
70) Pentachlorophenol	11.128	266	102799	46.366	ng	100
71) Phenanthrene	11.339	178	707114	41.259	ng	99
72) Anthracene	11.392	178	696374	41.470	ng	99
73) Carbazole	11.551	167	655823	44.044	ng	99
74) Di-n-butylphthalate	11.880	149	774119	42.899	ng	100
75) Fluoranthene	12.533	202	790425	46.710	ng	98
77) Benzidine	12.657	184	284455	37.710	ng	99
78) Pyrene	12.763	202	813495	36.018	ng	100
80) Butylbenzylphthalate	13.386	149	325399	41.239	ng	97
81) Benzo(a)anthracene	13.951	228	614138	37.824	ng	99
82) 3,3'-Dichlorobenzidine	13.916	252	193800	37.529	ng	99
83) Chrysene	13.986	228	597592	40.160	ng	100
84) Bis(2-ethylhexyl)phtha...	13.945	149	428215	42.781	ng	98
85) Di-n-octyl phthalate	14.568	149	666025	42.840	ng	99
87) Indeno(1,2,3-cd)pyrene	16.868	276	539887	41.469	ng	97
88) Benzo(b)fluoranthene	15.004	252	541045	42.641	ng	99
89) Benzo(k)fluoranthene	15.027	252	459921	40.917	ng	99
90) Benzo(a)pyrene	15.363	252	432427	40.330	ng	98
91) Dibenzo(a,h)anthracene	16.886	278	430740	41.123	ng	98
92) Benzo(g,h,i)perylene	17.304	276	448843	41.212	ng	96

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

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

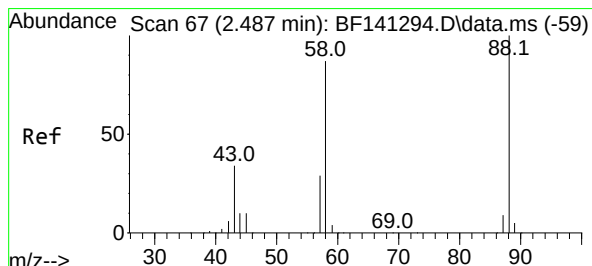
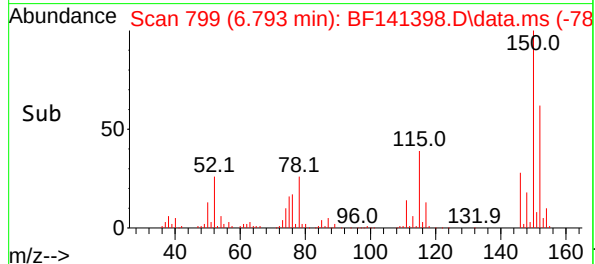
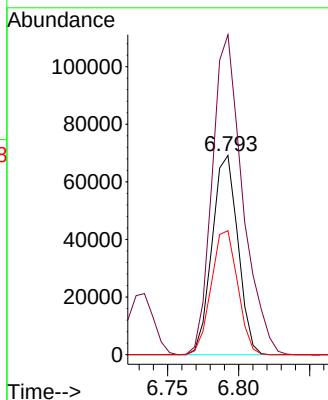
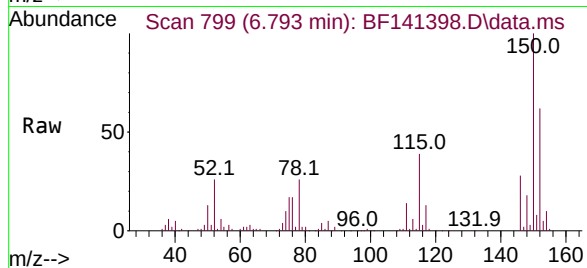
[illegible]



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.793 min Scan# 79
 Delta R.T. -0.011 min
 Lab File: BF141398.D
 Acq: 04 Feb 2025 10:42

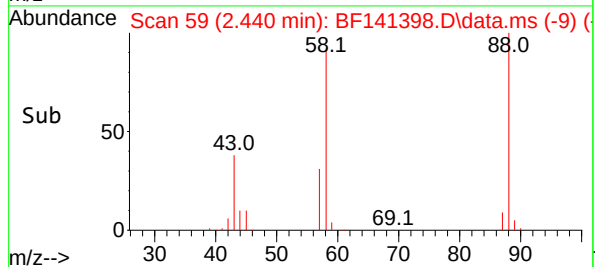
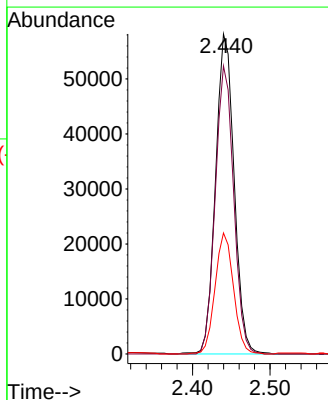
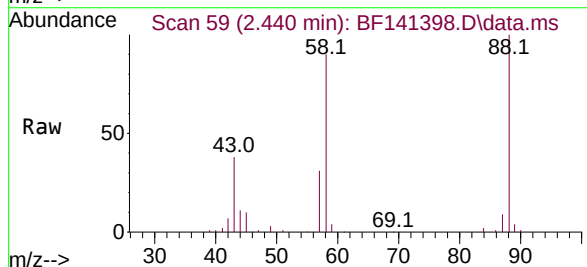
Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

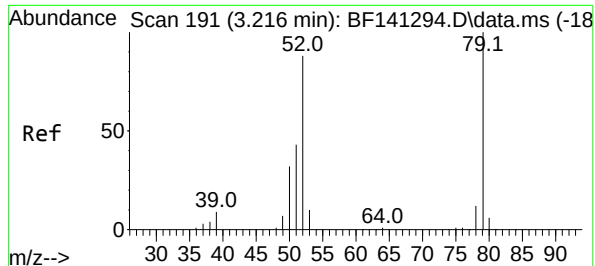
Tgt Ion:152 Resp: 87552
 Ion Ratio Lower Upper
 152 100
 150 160.6 125.9 188.9
 115 62.3 49.7 74.5



#2
 1,4-Dioxane
 Concen: 38.714 ng
 RT: 2.440 min Scan# 59
 Delta R.T. -0.053 min
 Lab File: BF141398.D
 Acq: 04 Feb 2025 10:42

Tgt Ion: 88 Resp: 97099
 Ion Ratio Lower Upper
 88 100
 58 89.1 70.2 105.4
 43 37.5 27.6 41.4

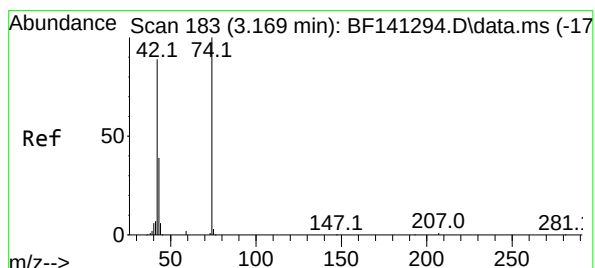
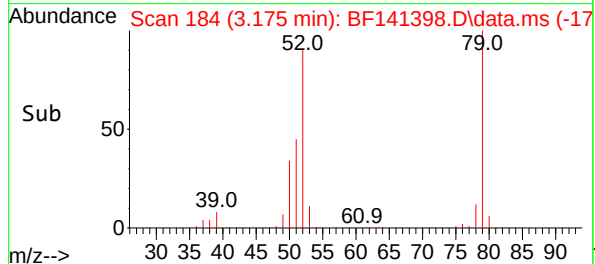
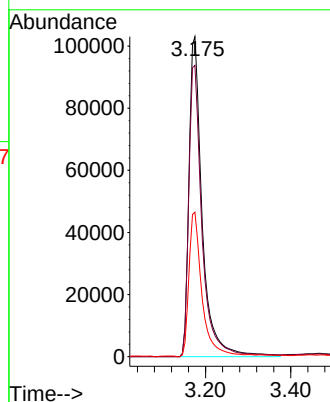
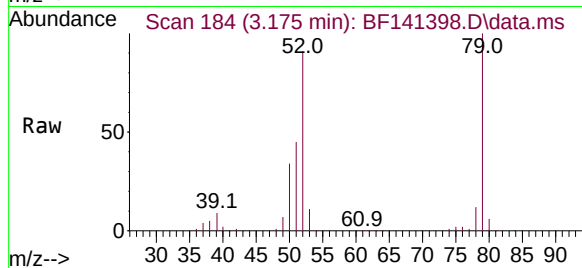




#3
Pyridine
Concen: 36.803 ng
RT: 3.175 min Scan# 11
Delta R.T. -0.053 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

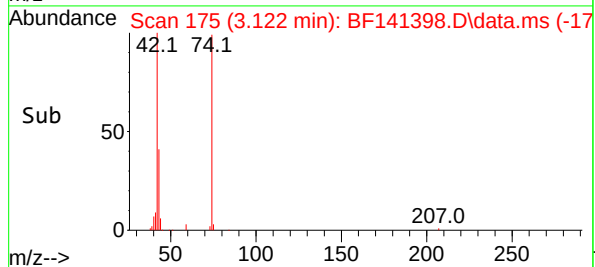
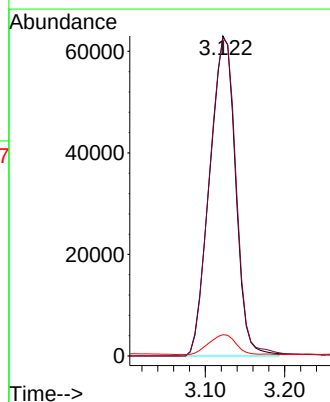
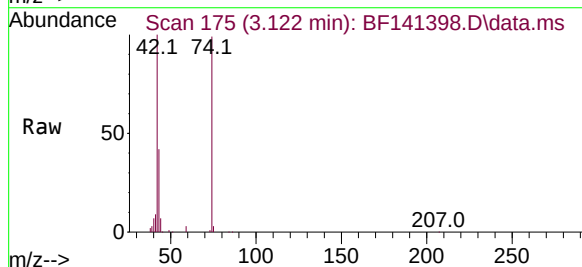
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

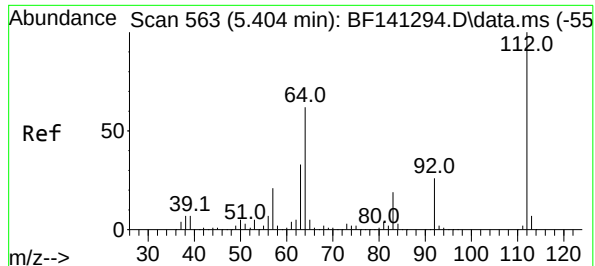
Tgt Ion: 79 Resp: 222403
Ion Ratio Lower Upper
79 100
52 91.1 70.3 105.5
51 45.1 34.3 51.5



#4
n-Nitrosodimethylamine
Concen: 41.383 ng m
RT: 3.122 min Scan# 175
Delta R.T. -0.077 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion: 42 Resp: 142862
Ion Ratio Lower Upper
42 100
74 99.4 90.3 135.5
44 6.7 5.7 8.5

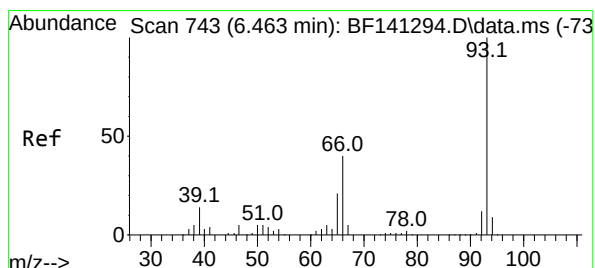
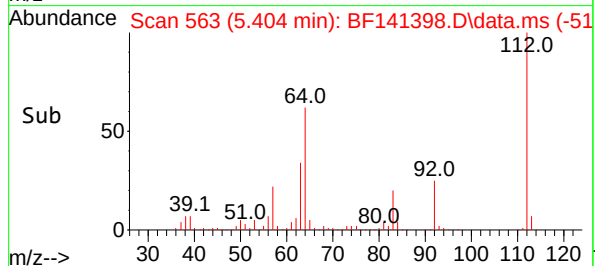
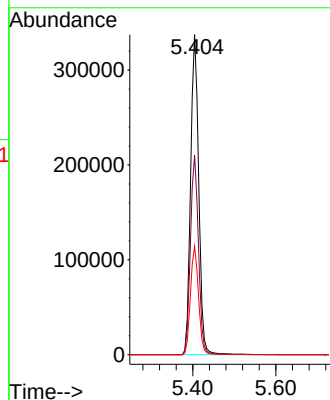
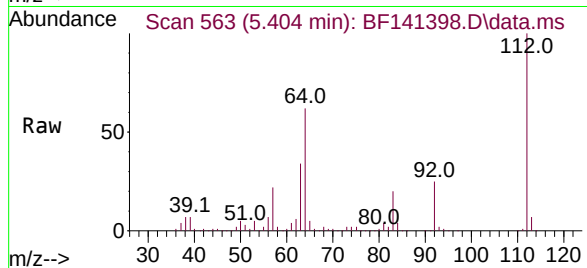




#5
2-Fluorophenol
Concen: 79.945 ng
RT: 5.404 min Scan# 501
Delta R.T. -0.006 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

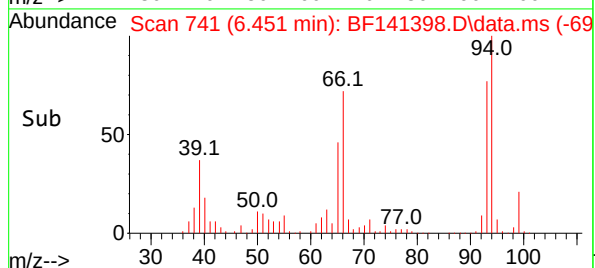
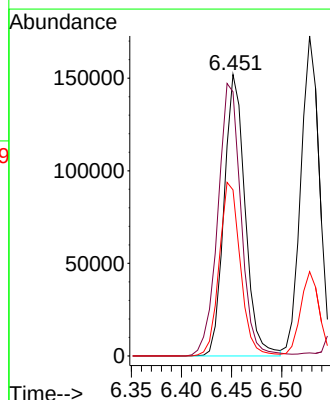
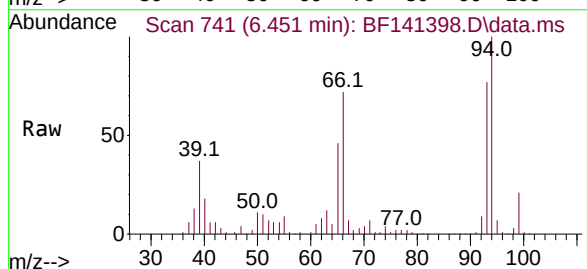
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

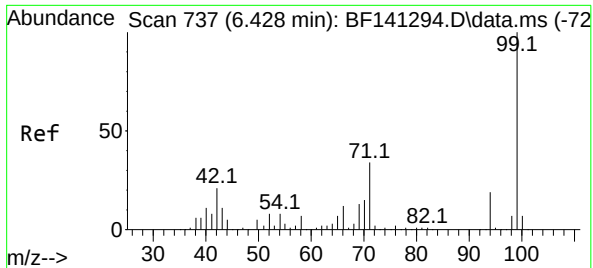
Tgt Ion:112 Resp: 455924
Ion Ratio Lower Upper
112 100
64 62.3 49.8 74.8
63 33.9 26.1 39.1



#6
Aniline
Concen: 35.876 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.018 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion: 93 Resp: 220322
Ion Ratio Lower Upper
93 100
66 93.9 32.5 48.7#
65 59.0 17.0 25.6#

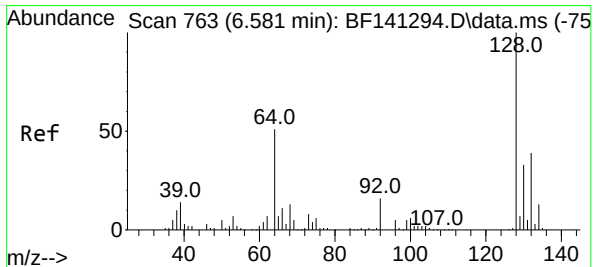
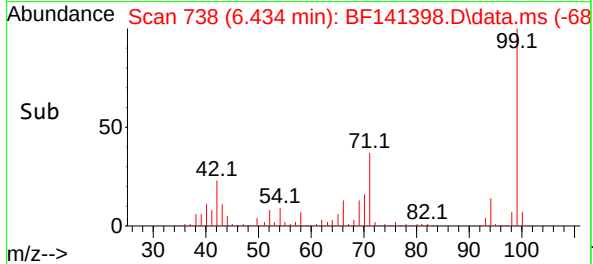
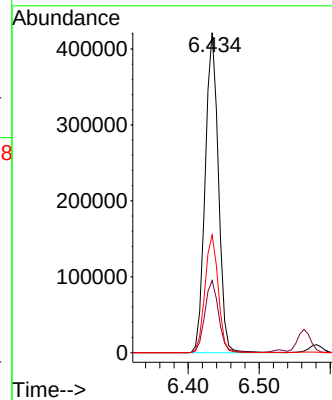
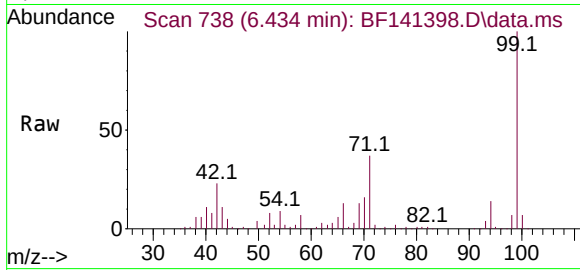




#7
Phenol-d6
Concen: 75.322 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

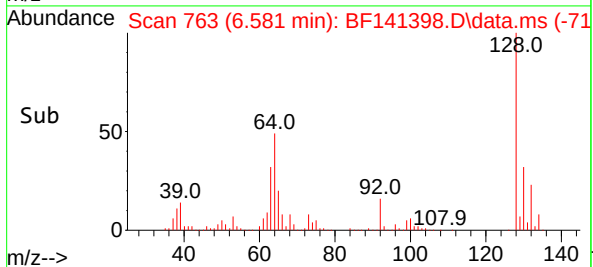
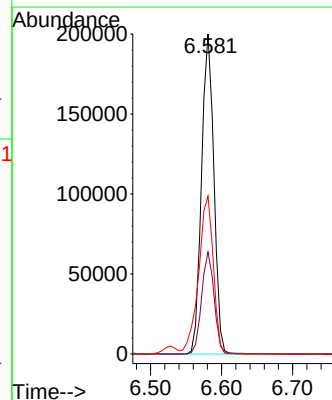
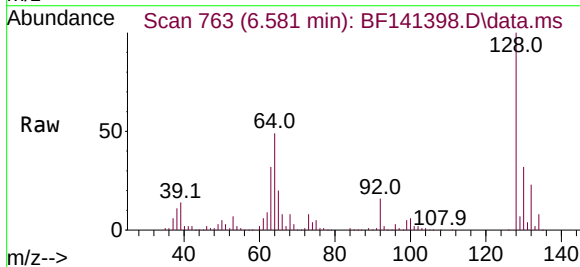
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

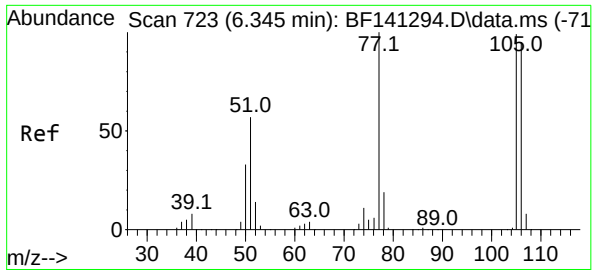
Tgt Ion: 99 Resp: 546451
Ion Ratio Lower Upper
99 100
42 22.5 17.1 25.7
71 36.7 26.9 40.3



#8
2-Chlorophenol
Concen: 39.734 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion: 128 Resp: 242879
Ion Ratio Lower Upper
128 100
130 31.8 12.5 52.5
64 49.3 32.9 72.9

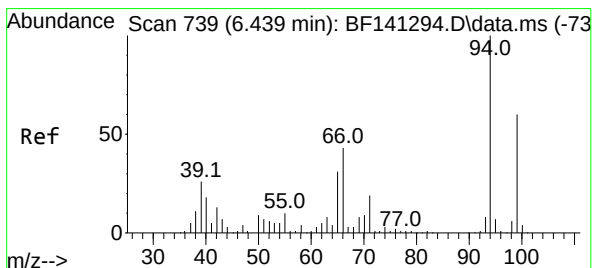
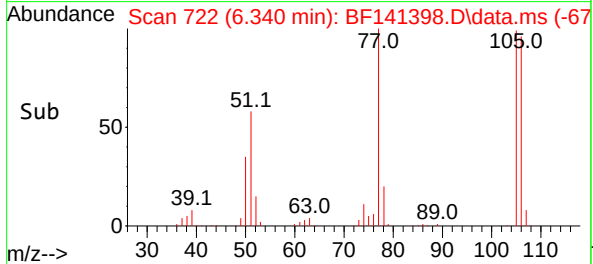
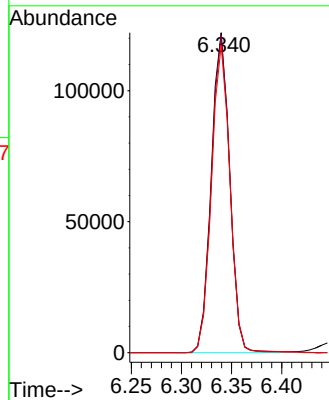
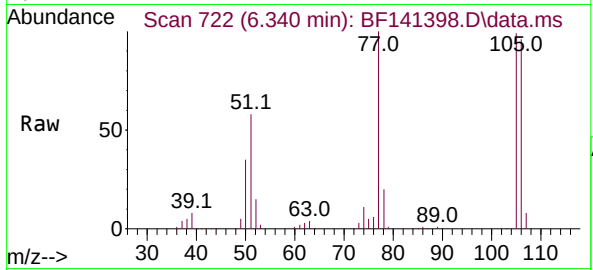




#9
Benzaldehyde
Concen: 37.226 ng
RT: 6.340 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

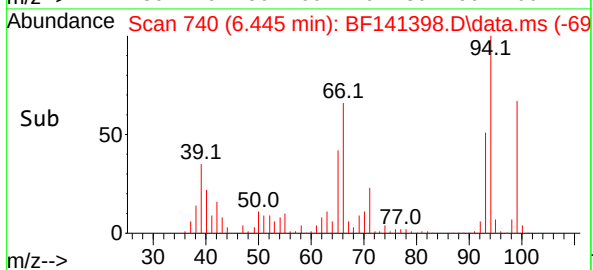
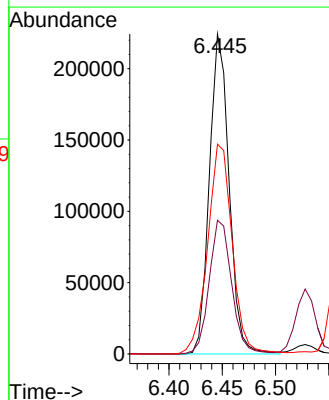
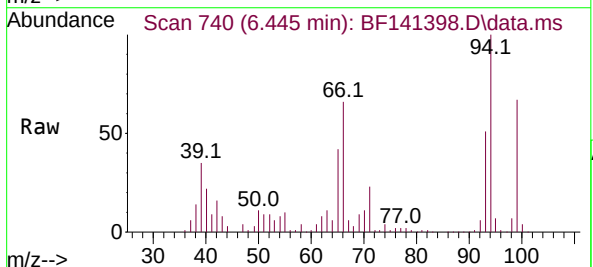
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

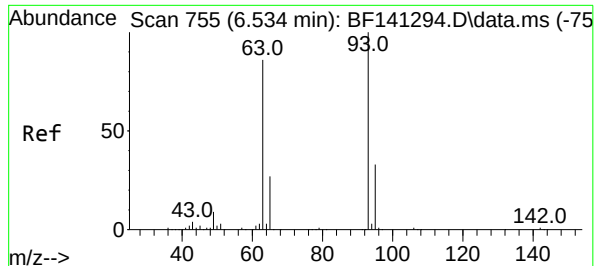
Tgt Ion: 77 Resp: 156434
Ion Ratio Lower Upper
77 100
105 99.2 79.4 119.4
106 96.0 74.6 114.6



#10
Phenol
Concen: 37.574 ng
RT: 6.445 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion: 94 Resp: 288967
Ion Ratio Lower Upper
94 100
65 41.8 10.8 50.8
66 65.6 23.3 63.3#

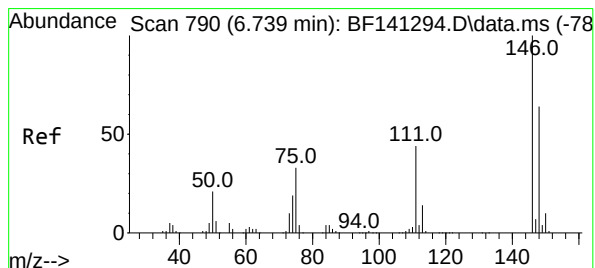
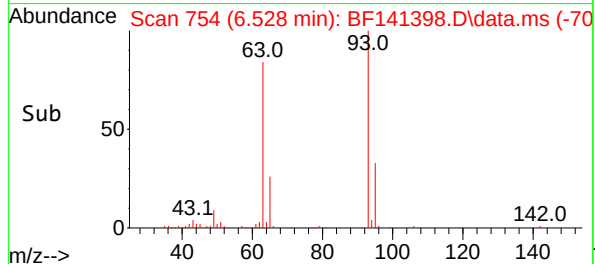
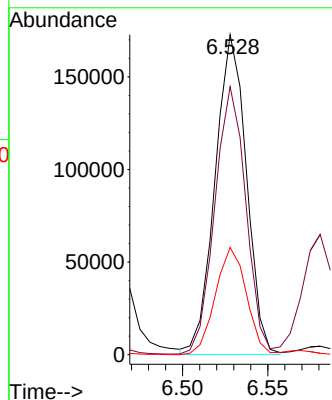
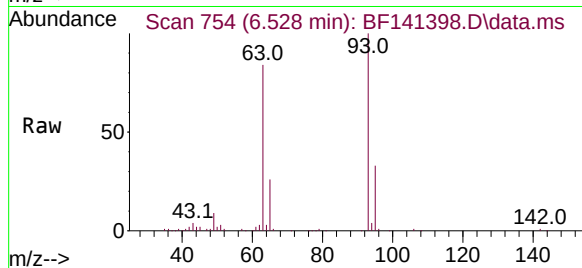




#11
bis(2-Chloroethyl)ether
Concen: 37.487 ng
RT: 6.528 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

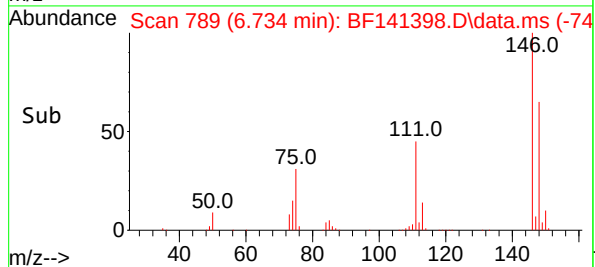
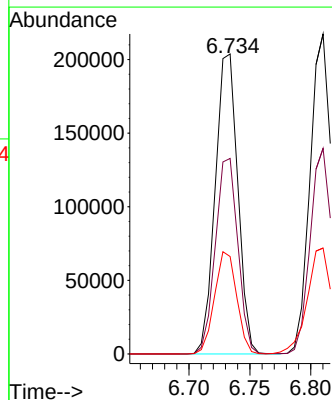
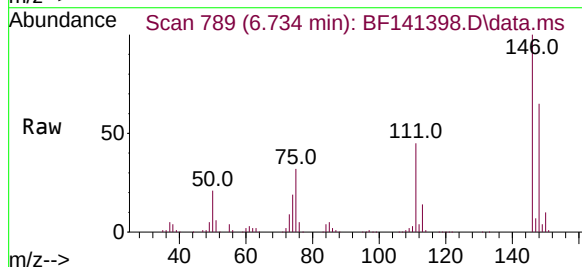
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

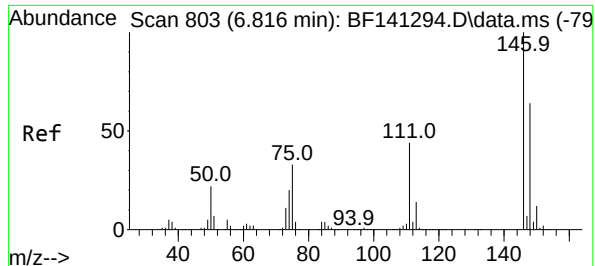
Tgt Ion: 93 Resp: 221049
Ion Ratio Lower Upper
93 100
63 83.7 65.0 105.0
95 33.5 12.4 52.4



#12
1,3-Dichlorobenzene
Concen: 39.009 ng
RT: 6.734 min Scan# 789
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion: 146 Resp: 262908
Ion Ratio Lower Upper
146 100
148 65.1 51.2 76.8
75 32.5 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 39.806 ng

RT: 6.810 min Scan# 80

Delta R.T. -0.012 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

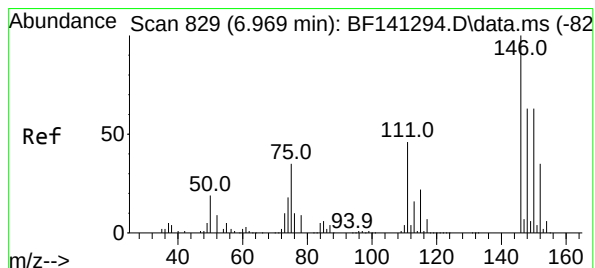
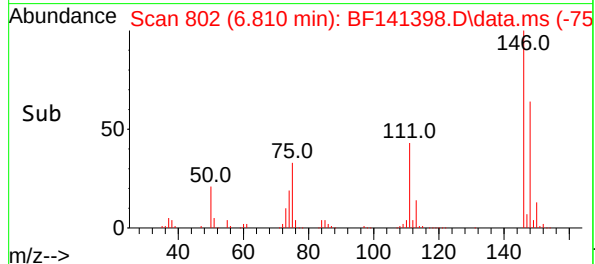
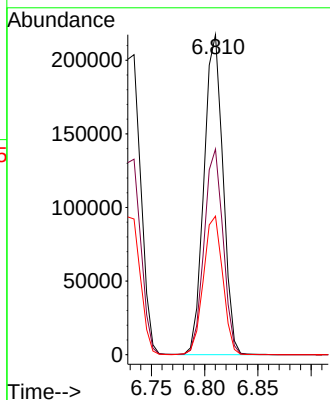
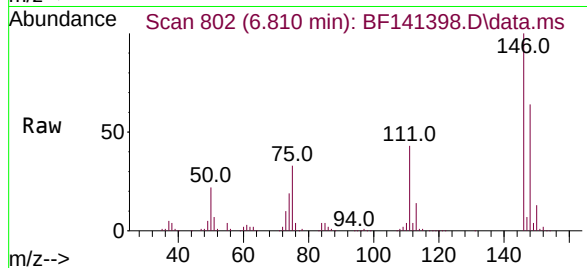
Tgt Ion:146 Resp: 269514

Ion Ratio Lower Upper

146 100

148 64.2 51.2 76.8

111 43.3 35.0 52.4



#14

1,2-Dichlorobenzene

Concen: 39.708 ng

RT: 6.963 min Scan# 828

Delta R.T. -0.012 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

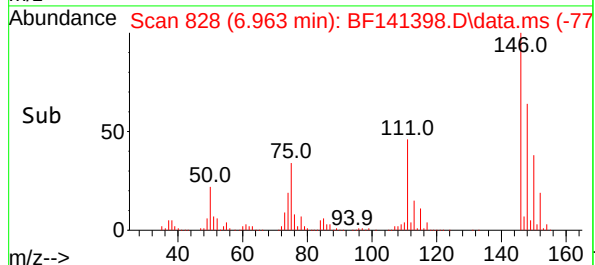
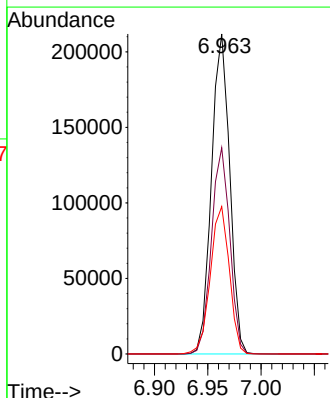
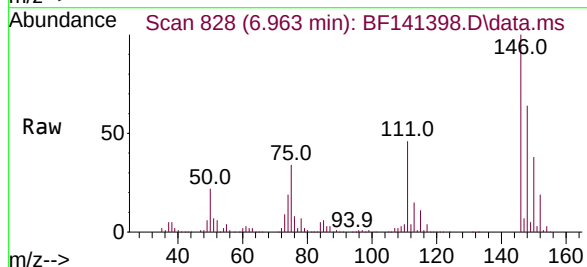
Tgt Ion:146 Resp: 251753

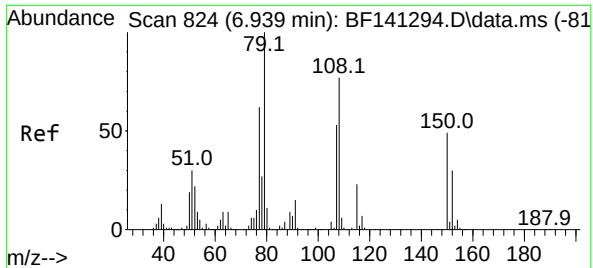
Ion Ratio Lower Upper

146 100

148 64.4 50.5 75.7

111 46.1 36.6 55.0

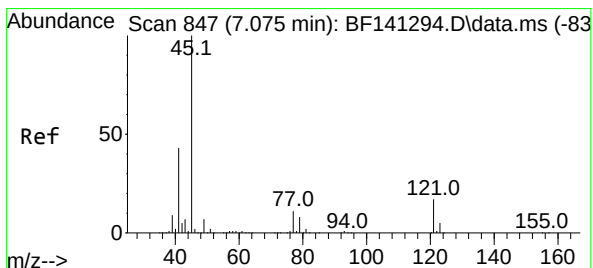
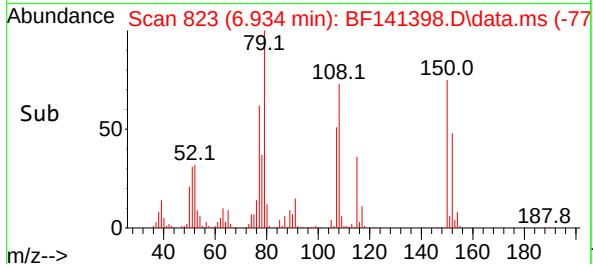
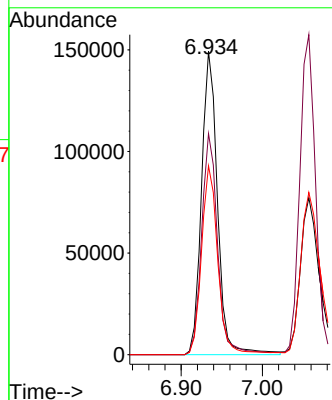
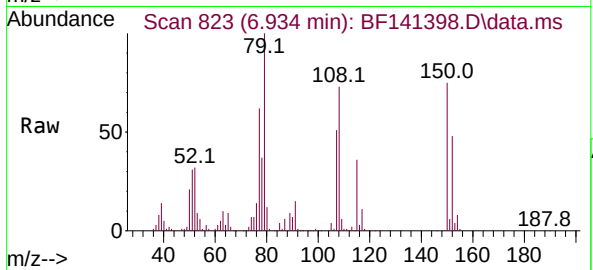




#15
Benzyl Alcohol
Concen: 41.142 ng
RT: 6.934 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

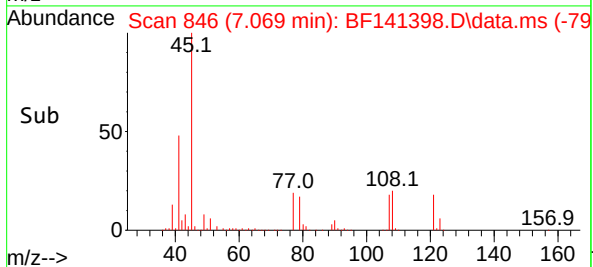
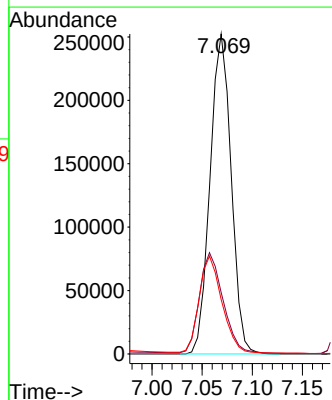
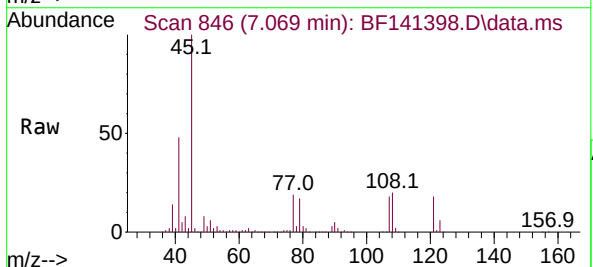
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

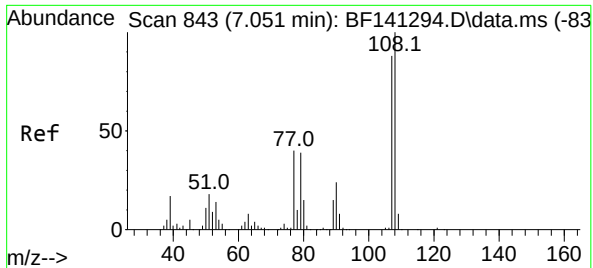
Tgt Ion: 79 Resp: 203978
Ion Ratio Lower Upper
79 100
108 72.9 61.4 92.0
77 62.3 49.9 74.9



#16
2,2'-oxybis(1-chloropropane)
Concen: 36.004 ng
RT: 7.069 min Scan# 846
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion: 45 Resp: 369176
Ion Ratio Lower Upper
45 100
77 19.2 0.0 31.8
79 17.0 0.0 29.1

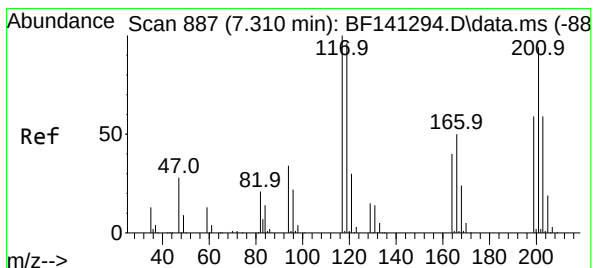
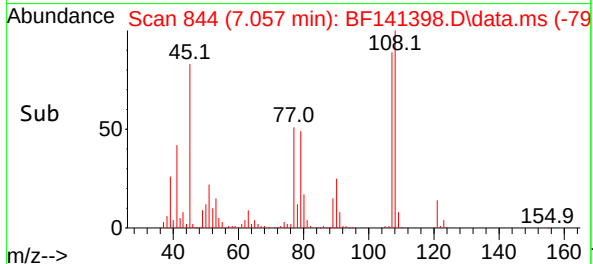
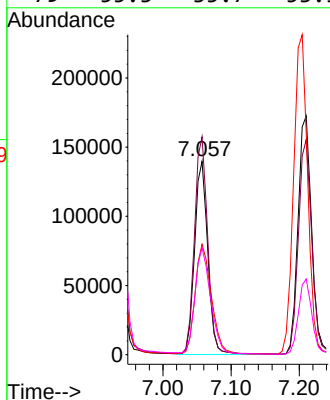
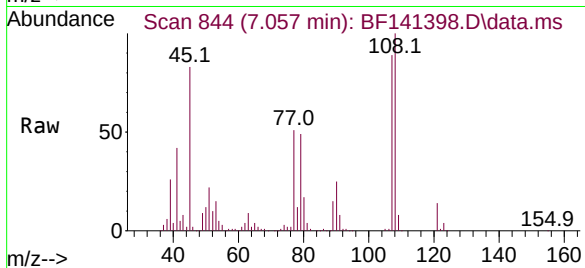




#17
2-Methylphenol
Concen: 37.854 ng
RT: 7.057 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

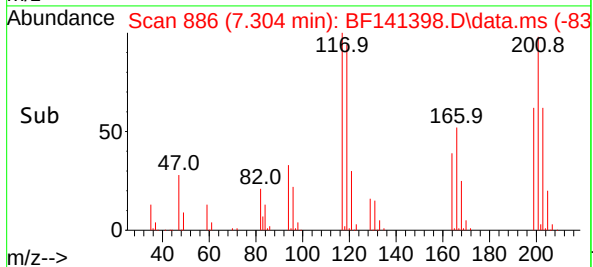
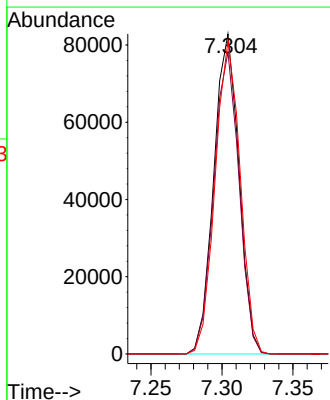
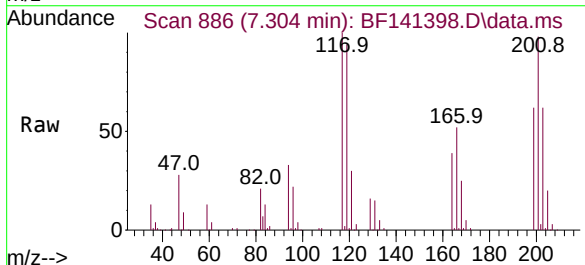
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

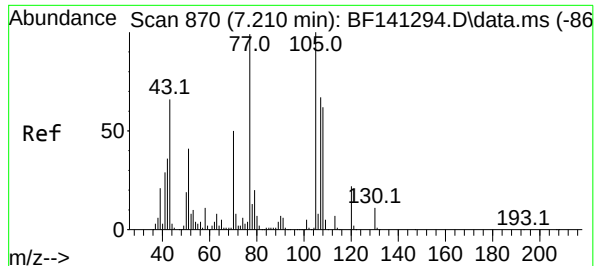
Tgt Ion:107 Resp: 188055
Ion Ratio Lower Upper
107 100
108 112.7 90.8 136.2
77 57.1 36.2 54.4#
79 55.3 35.7 53.5#



#18
Hexachloroethane
Concen: 40.842 ng
RT: 7.304 min Scan# 886
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:117 Resp: 102015
Ion Ratio Lower Upper
117 100
119 94.4 76.6 114.8
201 97.9 74.8 112.2





#19

n-Nitroso-di-n-propylamine

Concen: 37.733 ng

RT: 7.204 min Scan# 80

Delta R.T. -0.024 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 70 Resp: 162661

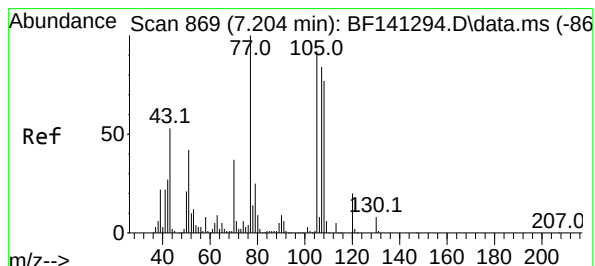
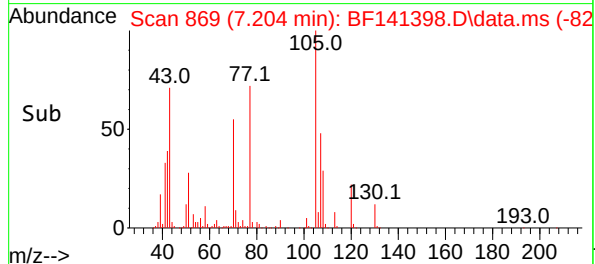
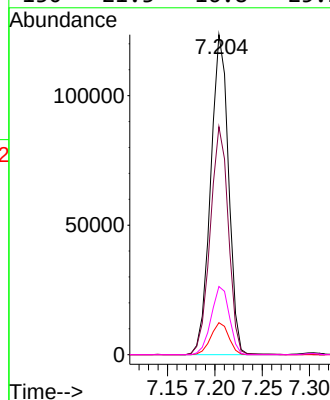
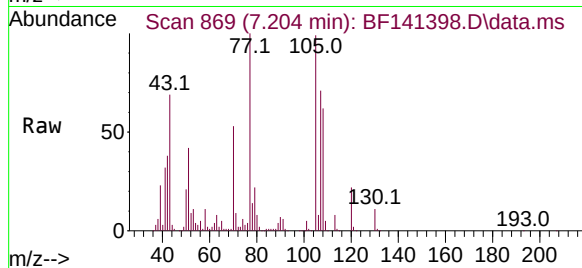
Ion Ratio Lower Upper

70 100

42 71.2 56.8 85.2

101 10.0 7.7 11.5

130 21.3 16.8 25.2



#20

3+4-Methylphenols

Concen: 39.483 ng

RT: 7.210 min Scan# 870

Delta R.T. -0.006 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Tgt Ion: 107 Resp: 240839

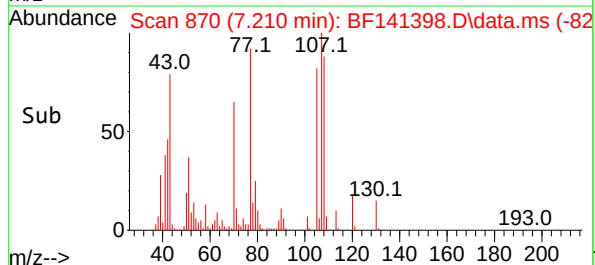
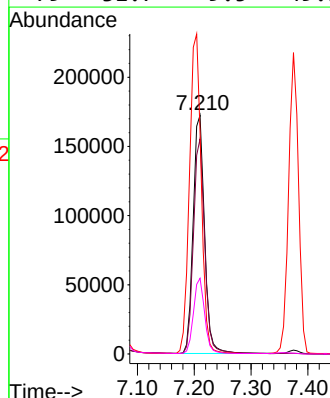
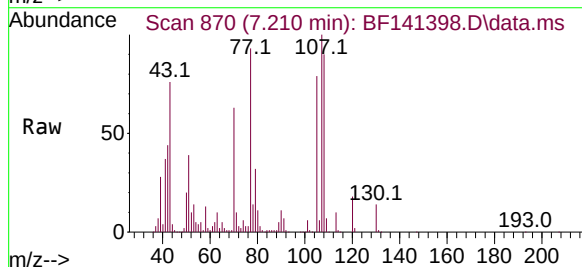
Ion Ratio Lower Upper

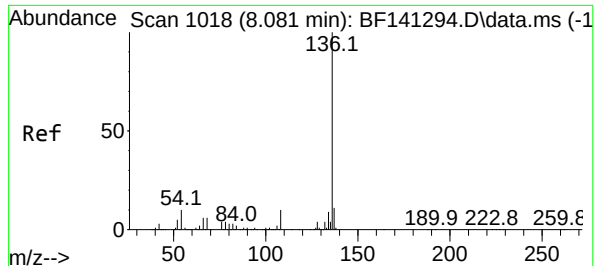
107 100

108 90.0 70.9 110.9

77 93.0 98.5 138.5#

79 31.7 9.5 49.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.075 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141398.D

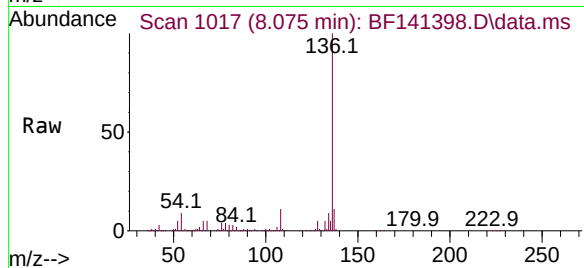
Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:136 Resp: 331835

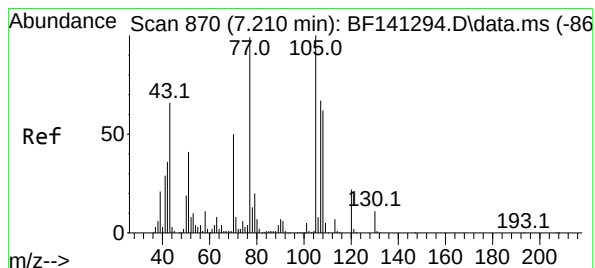
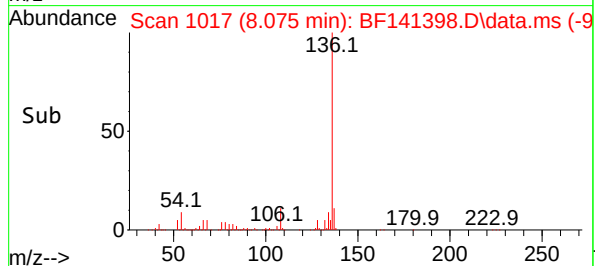
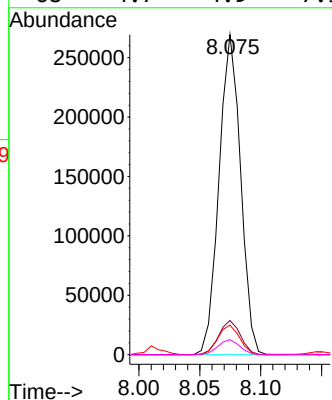
Ion Ratio Lower Upper

136 100

137 10.7 8.6 13.0

54 9.2 7.8 11.8

68 4.7 4.9 7.3#



#22

Acetophenone

Concen: 41.351 ng

RT: 7.198 min Scan# 868

Delta R.T. -0.018 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Tgt Ion:105 Resp: 326166

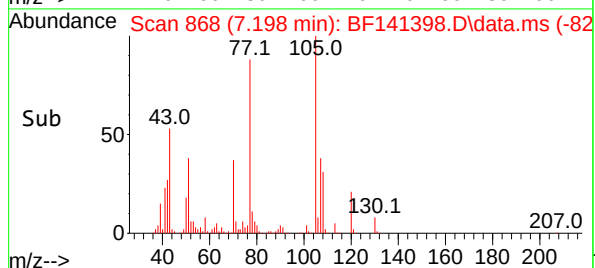
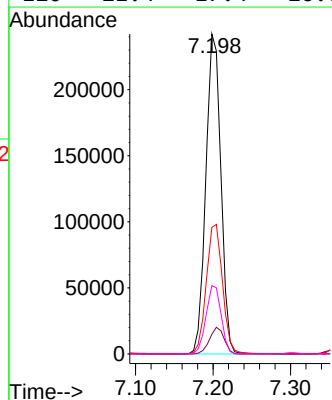
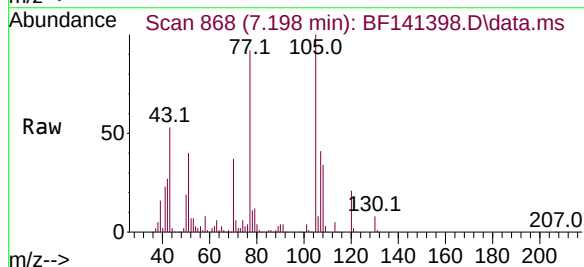
Ion Ratio Lower Upper

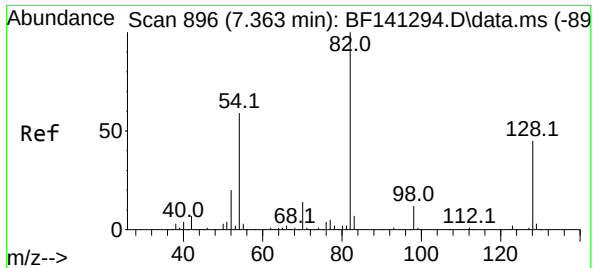
105 100

71 6.2 6.8 10.2#

51 39.6 32.6 49.0

120 21.4 17.4 26.0





#23

Nitrobenzene-d5

Concen: 82.468 ng

RT: 7.357 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

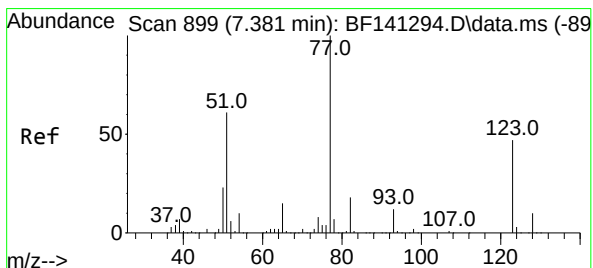
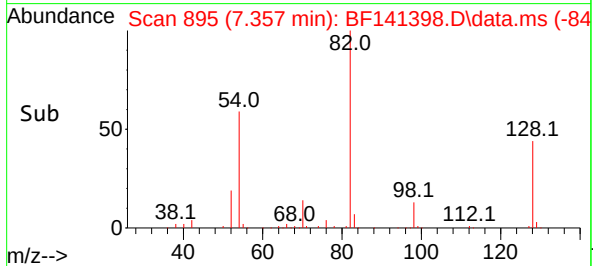
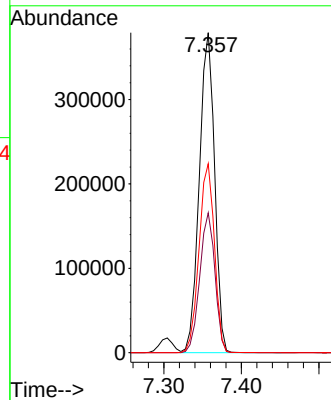
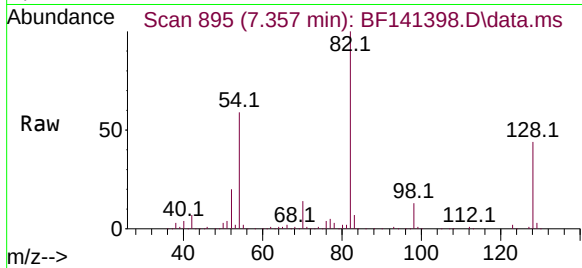
Tgt Ion: 82 Resp: 519110

Ion Ratio Lower Upper

82 100

128 43.7 35.7 53.5

54 59.0 47.1 70.7



#24

Nitrobenzene

Concen: 40.497 ng

RT: 7.375 min Scan# 898

Delta R.T. -0.018 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

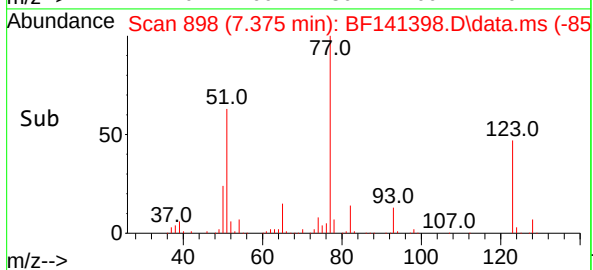
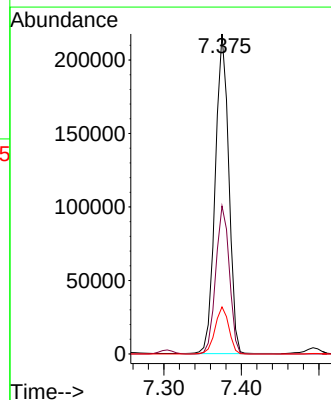
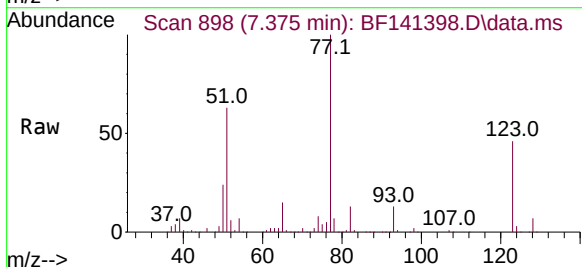
Tgt Ion: 77 Resp: 264172

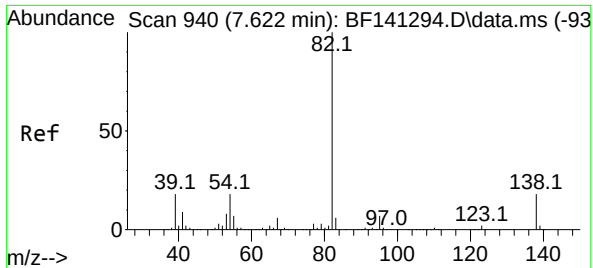
Ion Ratio Lower Upper

77 100

123 46.3 37.3 55.9

65 14.7 11.8 17.6

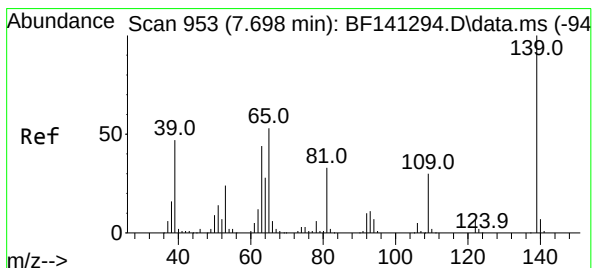
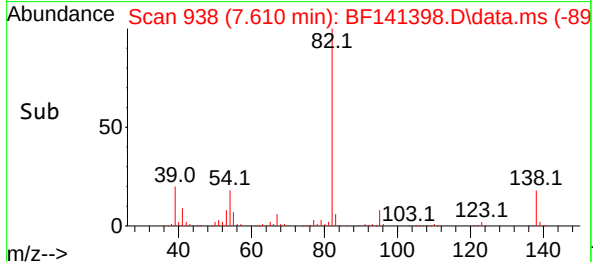
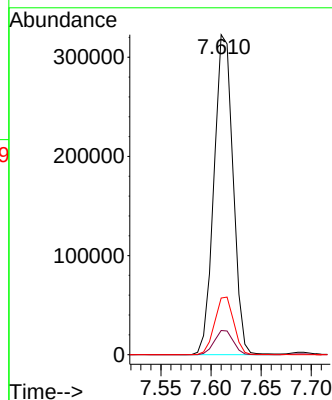
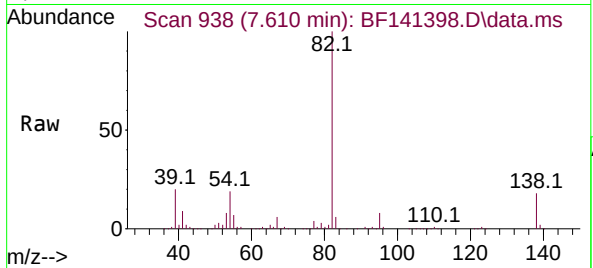




#25
Isophorone
Concen: 39.213 ng
RT: 7.610 min Scan# 91
Delta R.T. -0.018 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

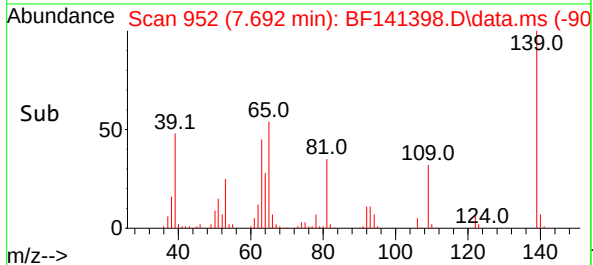
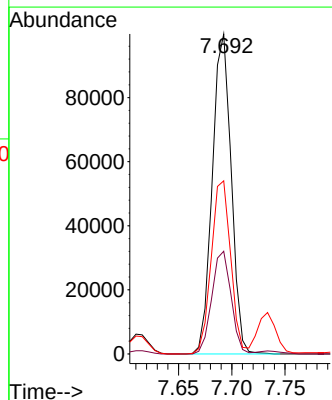
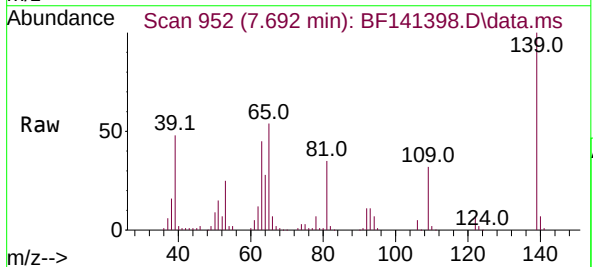
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

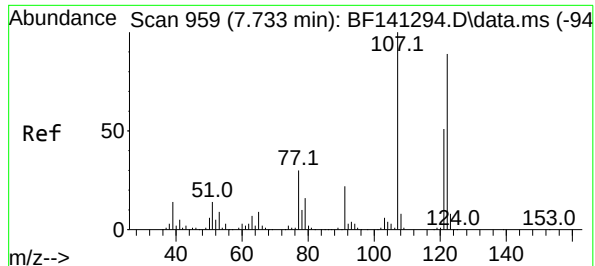
Tgt Ion: 82 Resp: 426672
Ion Ratio Lower Upper
82 100
95 7.5 5.8 8.6
138 17.7 14.7 22.1



#26
2-Nitrophenol
Concen: 39.973 ng
RT: 7.692 min Scan# 952
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:139 Resp: 122977
Ion Ratio Lower Upper
139 100
109 32.1 23.8 35.6
65 54.1 42.2 63.4





#27

2,4-Dimethylphenol

Concen: 38.904 ng m

RT: 7.734 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

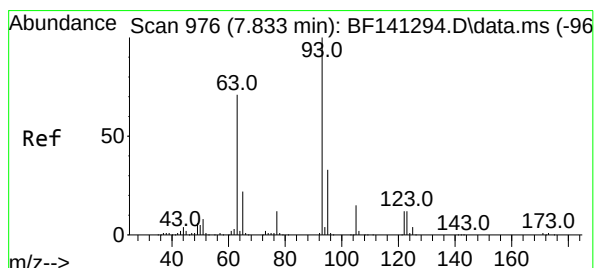
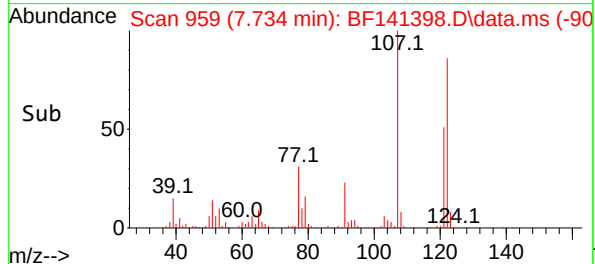
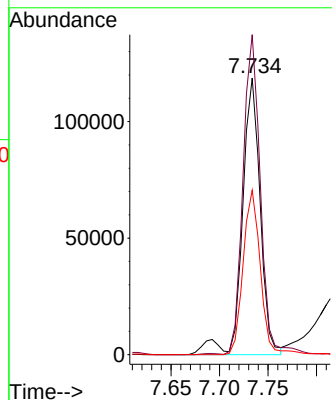
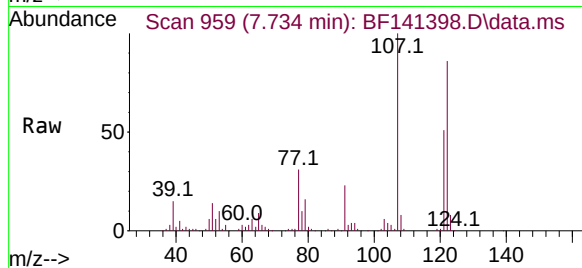
Tgt Ion:122 Resp: 152342

Ion Ratio Lower Upper

122 100

107 115.7 89.9 134.9

121 59.5 46.1 69.1



#28

bis(2-Chloroethoxy)methane

Concen: 38.495 ng

RT: 7.828 min Scan# 975

Delta R.T. -0.012 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

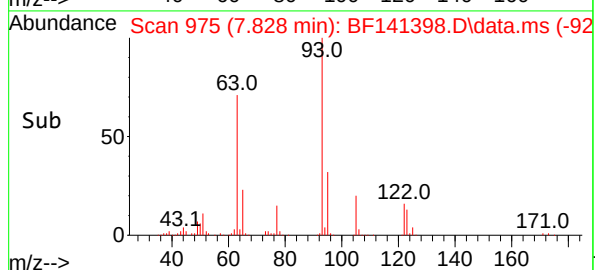
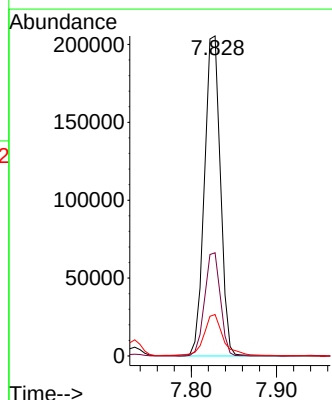
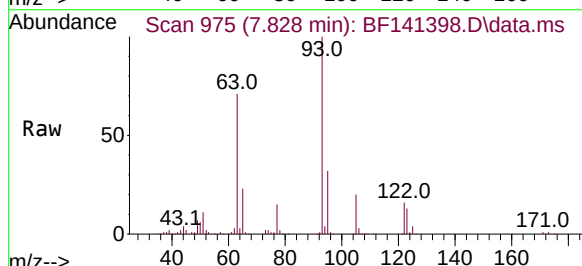
Tgt Ion: 93 Resp: 267181

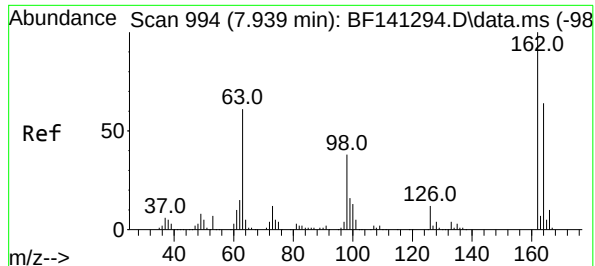
Ion Ratio Lower Upper

93 100

95 32.2 26.2 39.2

123 13.0 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 41.025 ng

RT: 7.939 min Scan# 994

Delta R.T. -0.006 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

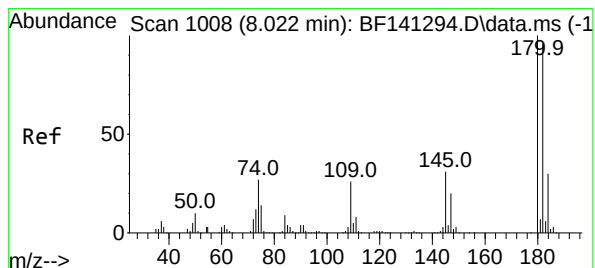
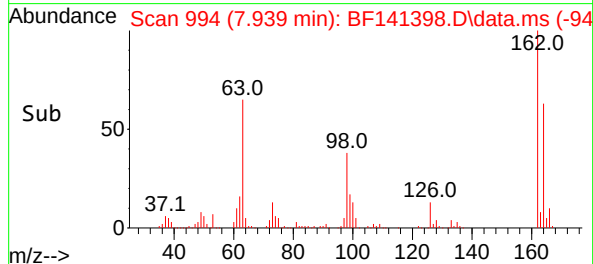
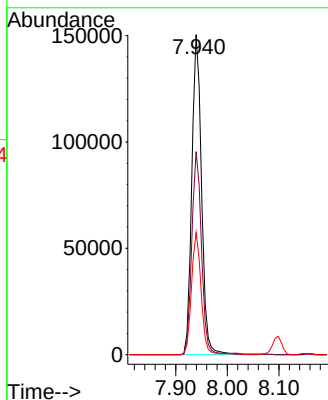
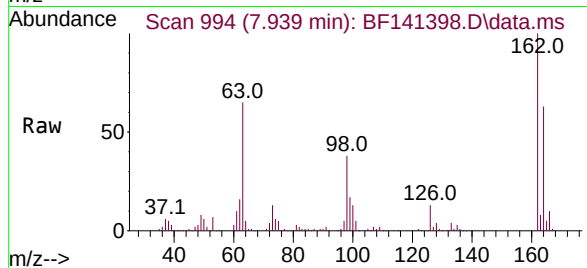
Tgt Ion:162 Resp: 196668

Ion Ratio Lower Upper

162 100

164 63.5 44.2 84.2

98 38.2 18.2 58.2



#30

1,2,4-Trichlorobenzene

Concen: 40.631 ng

RT: 8.016 min Scan# 1007

Delta R.T. -0.012 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

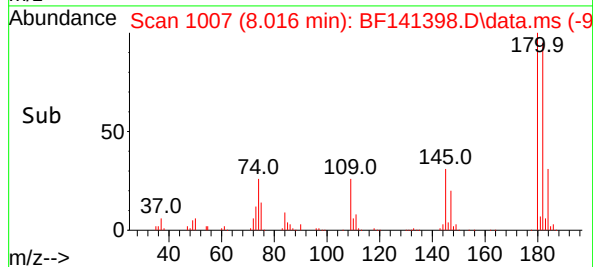
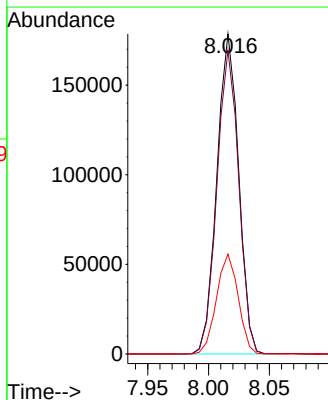
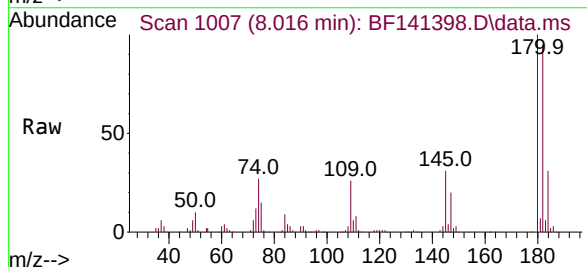
Tgt Ion:180 Resp: 222442

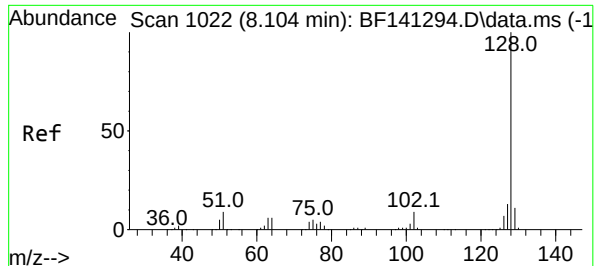
Ion Ratio Lower Upper

180 100

182 94.9 76.4 114.6

145 31.2 24.9 37.3





#31

Naphthalene

Concen: 40.155 ng

RT: 8.098 min Scan# 1022

Delta R.T. -0.012 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

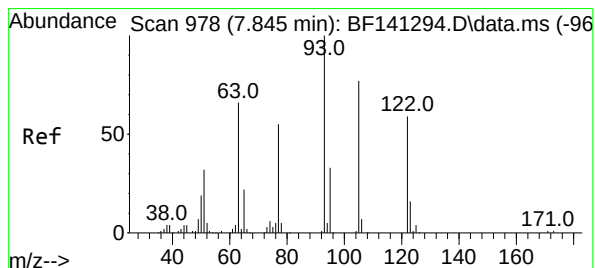
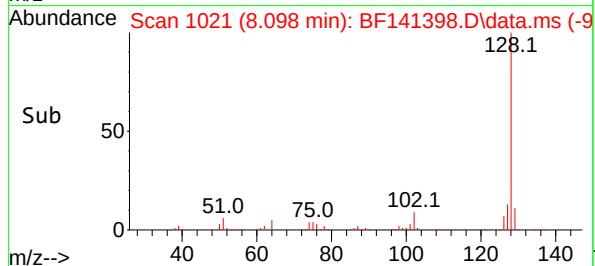
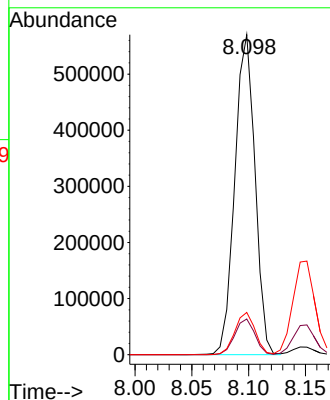
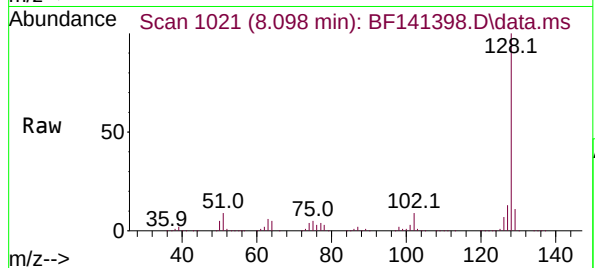
Tgt Ion:128 Resp: 703917

Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

127 13.2 10.6 15.8



#32

Benzoic acid

Concen: 42.292 ng

RT: 7.845 min Scan# 978

Delta R.T. -0.035 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

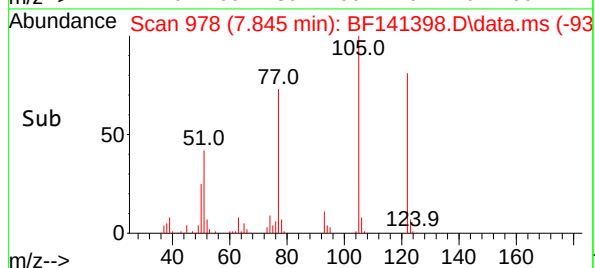
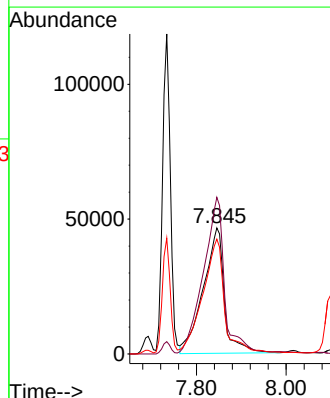
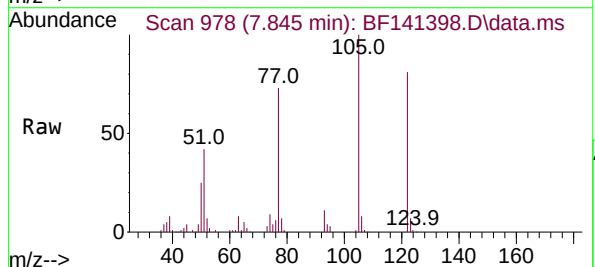
Tgt Ion:122 Resp: 152241

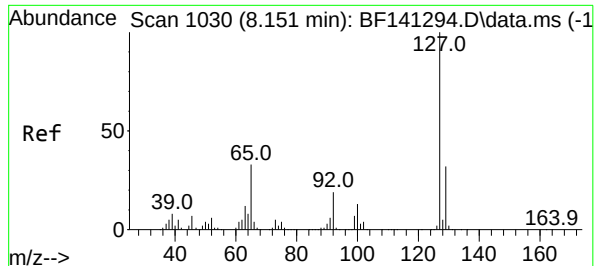
Ion Ratio Lower Upper

122 100

105 124.2 103.4 143.4

77 91.1 70.9 110.9





#33

4-Chloroaniline

Concen: 38.783 ng

RT: 8.151 min Scan# 1030

Delta R.T. -0.006 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:127 Resp: 230545

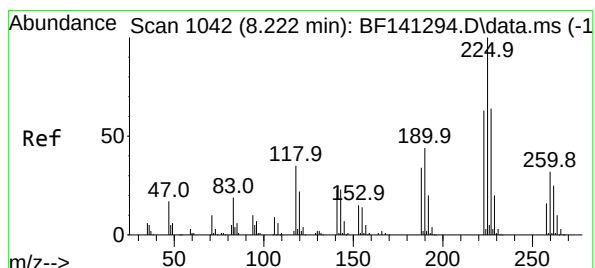
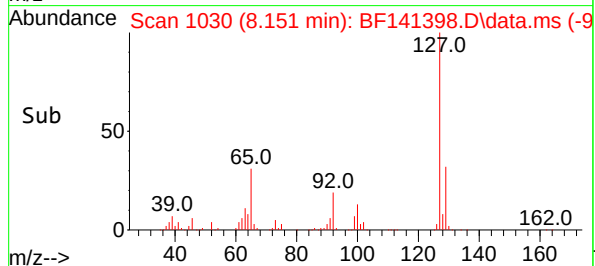
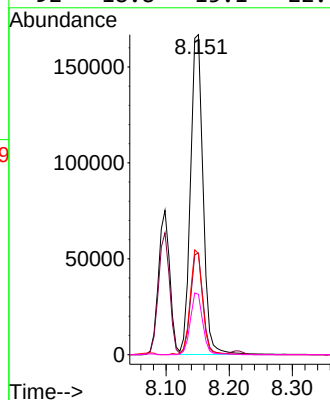
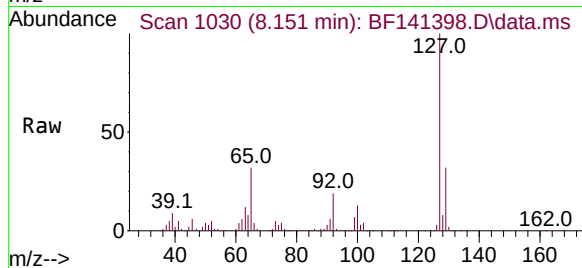
Ion Ratio Lower Upper

127 100

129 31.7 25.7 38.5

65 31.7 26.4 39.6

92 18.8 15.1 22.7



#34

Hexachlorobutadiene

Concen: 42.897 ng

RT: 8.216 min Scan# 1041

Delta R.T. -0.006 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

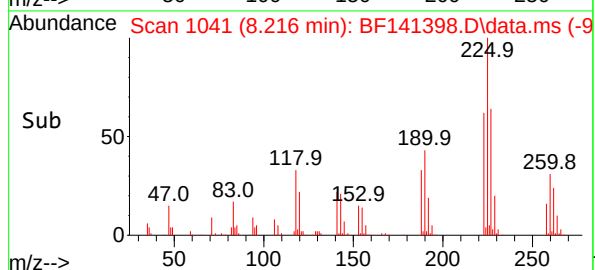
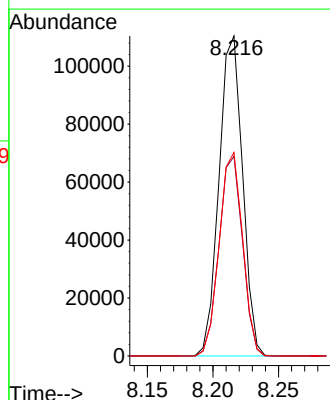
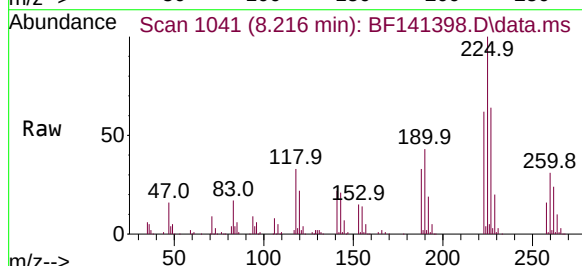
Tgt Ion:225 Resp: 137723

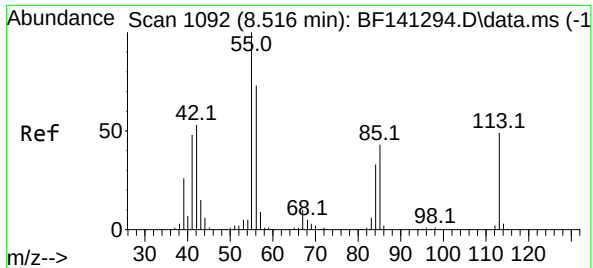
Ion Ratio Lower Upper

225 100

223 62.3 50.4 75.6

227 63.6 51.3 76.9

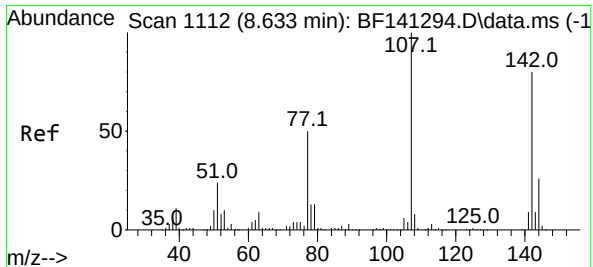
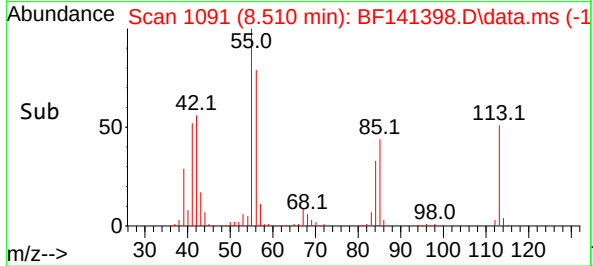
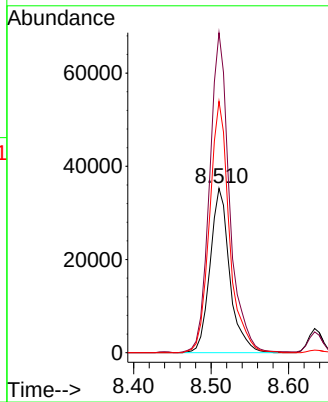
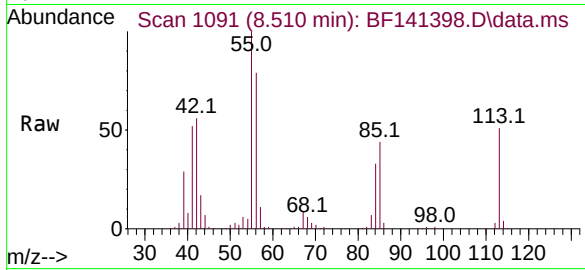




#35
 Caprolactam
 Concen: 39.634 ng
 RT: 8.510 min Scan# 1092
 Delta R.T. -0.035 min
 Lab File: BF141398.D
 Acq: 04 Feb 2025 10:42

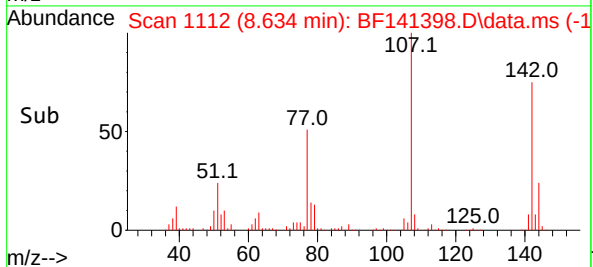
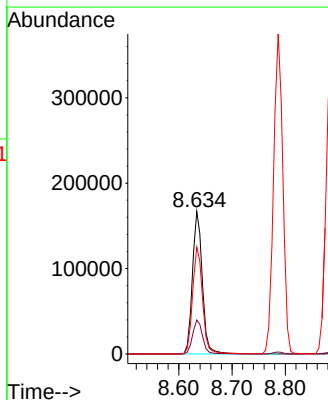
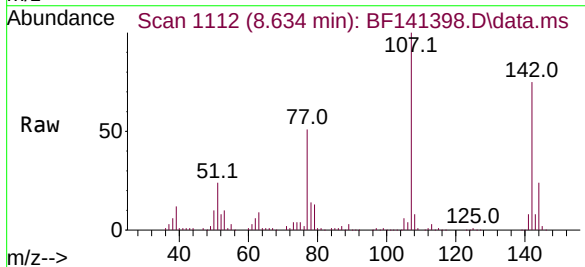
Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

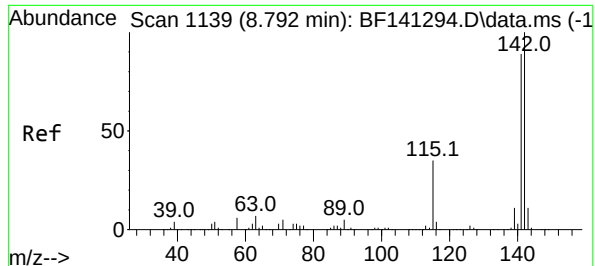
Tgt Ion:113 Resp: 62051
 Ion Ratio Lower Upper
 113 100
 55 194.6 182.9 222.9
 56 152.9 127.9 167.9



#36
 4-Chloro-3-methylphenol
 Concen: 42.000 ng
 RT: 8.634 min Scan# 1112
 Delta R.T. -0.006 min
 Lab File: BF141398.D
 Acq: 04 Feb 2025 10:42

Tgt Ion:107 Resp: 215967
 Ion Ratio Lower Upper
 107 100
 144 23.9 20.7 31.1
 142 75.0 63.8 95.8

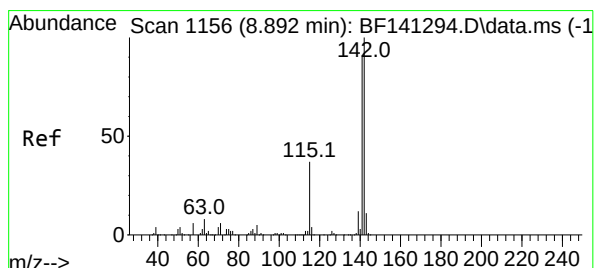
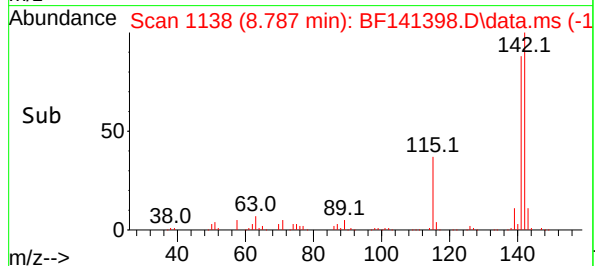
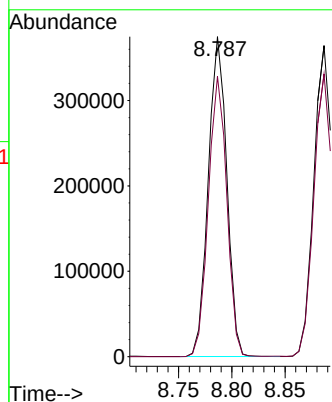
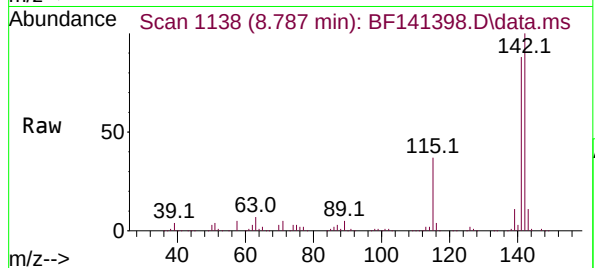




#37
2-Methylnaphthalene
Concen: 40.722 ng
RT: 8.787 min Scan# 1138
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

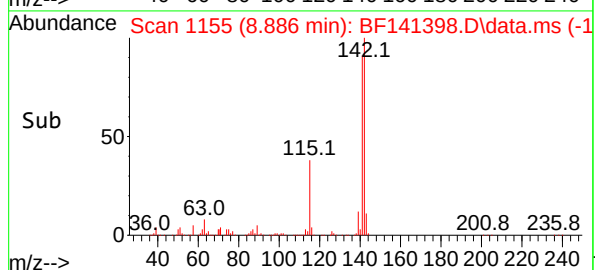
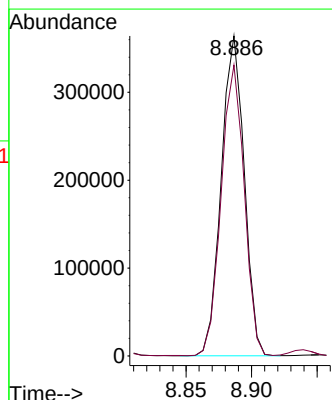
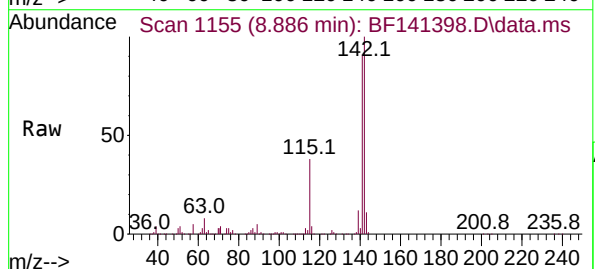
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

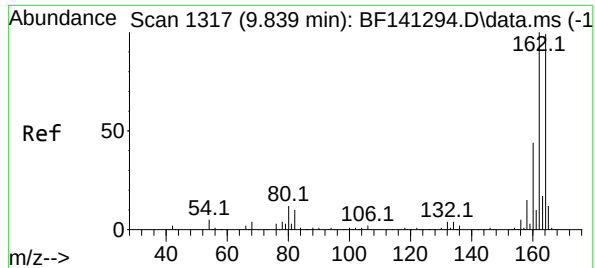
Tgt Ion:142 Resp: 453714
Ion Ratio Lower Upper
142 100
141 87.6 71.3 106.9



#38
1-Methylnaphthalene
Concen: 40.487 ng
RT: 8.886 min Scan# 1155
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:142 Resp: 443121
Ion Ratio Lower Upper
142 100
141 90.9 73.2 109.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.828 min Scan# 1165

Delta R.T. -0.012 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

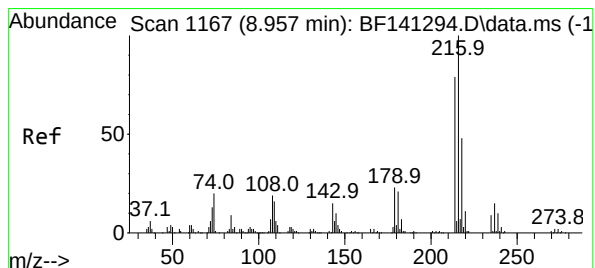
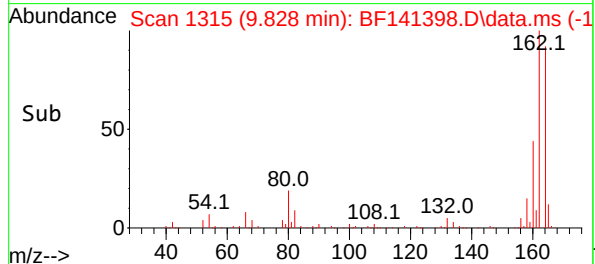
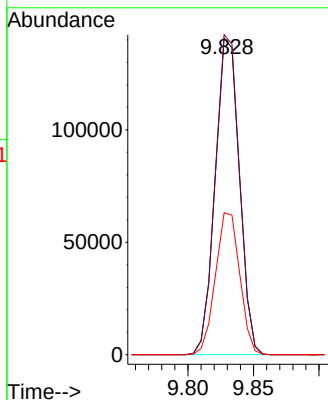
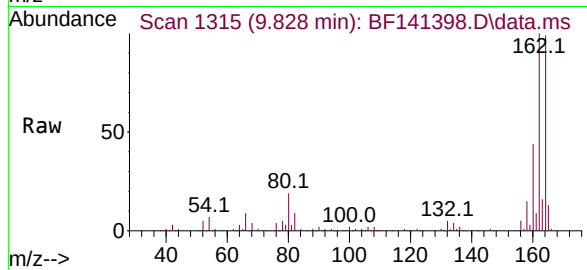
Tgt Ion:164 Resp: 180473

Ion Ratio Lower Upper

164 100

162 101.1 80.6 121.0

160 44.8 35.8 53.6



#40

1,2,4,5-Tetrachlorobenzene

Concen: 41.257 ng

RT: 8.951 min Scan# 1166

Delta R.T. -0.012 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Tgt Ion:216 Resp: 211825

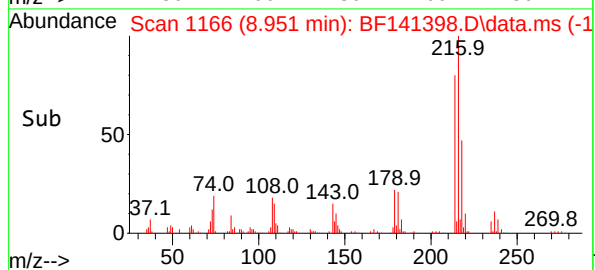
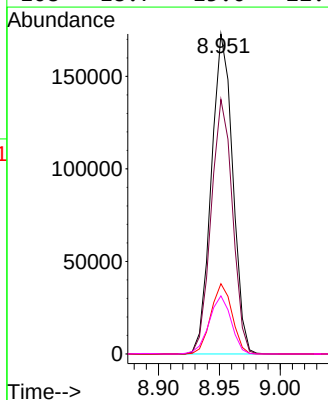
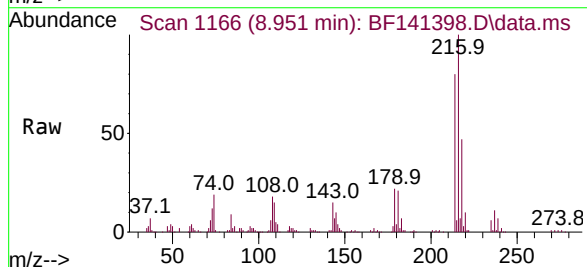
Ion Ratio Lower Upper

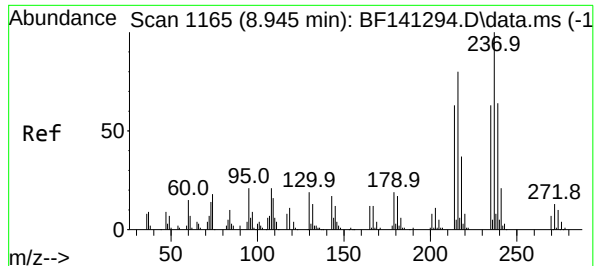
216 100

214 79.2 63.2 94.8

179 21.7 17.8 26.8

108 18.7 15.0 22.6





#41

Hexachlorocyclopentadiene

Concen: 43.974 ng

RT: 8.939 min Scan# 1164

Delta R.T. -0.012 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

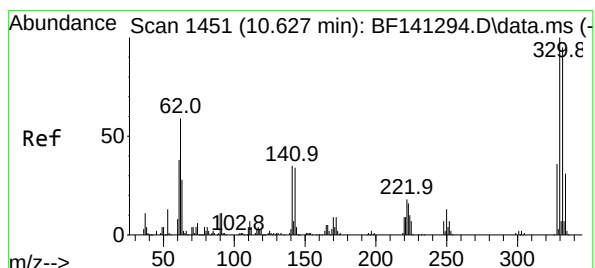
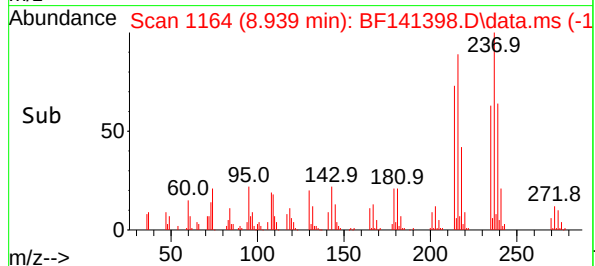
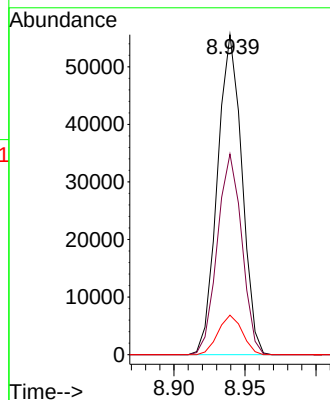
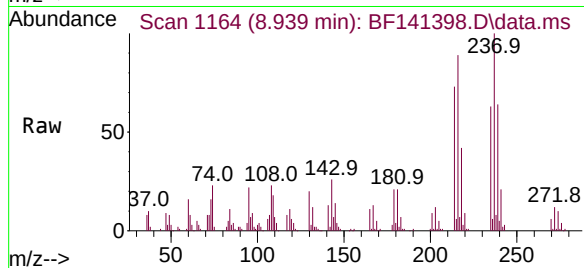
Tgt Ion:237 Resp: 66678

Ion Ratio Lower Upper

237 100

235 62.7 42.9 82.9

272 12.4 0.0 32.8



#42

2,4,6-Tribromophenol

Concen: 88.147 ng

RT: 10.622 min Scan# 1450

Delta R.T. -0.012 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

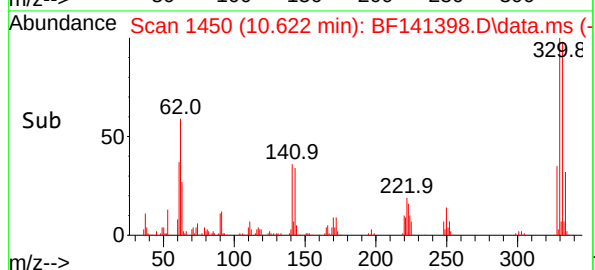
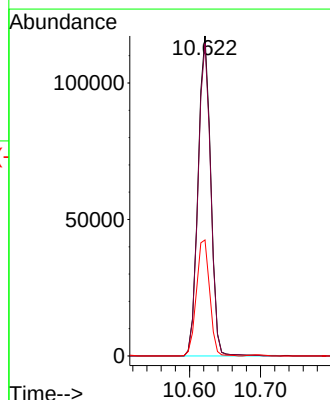
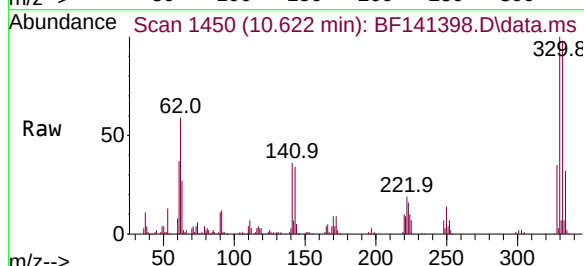
Tgt Ion:330 Resp: 145841

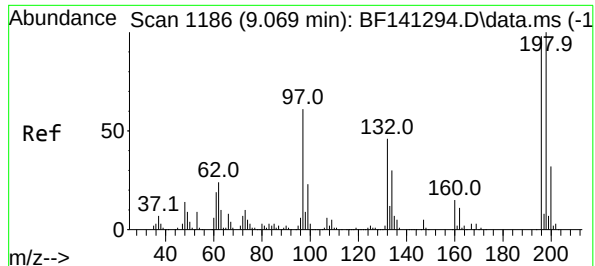
Ion Ratio Lower Upper

330 100

332 97.3 76.1 114.1

141 37.8 28.8 43.2





#43

2,4,6-Trichlorophenol

Concen: 41.007 ng

RT: 9.069 min Scan# 1186

Delta R.T. -0.006 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

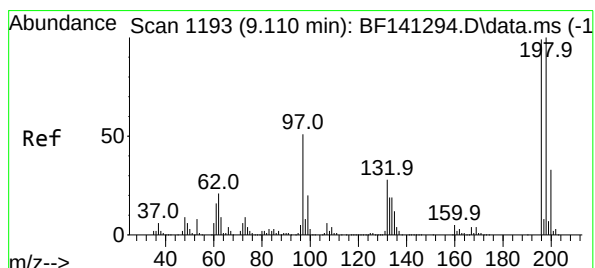
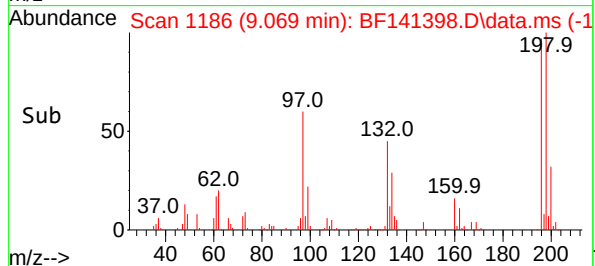
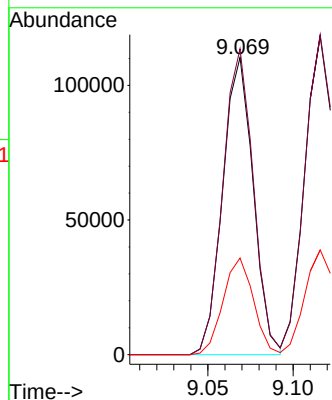
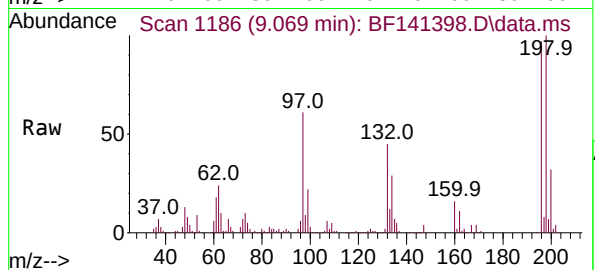
Tgt Ion:196 Resp: 137805

Ion Ratio Lower Upper

196 100

198 102.9 81.8 122.6

200 32.5 26.3 39.5



#44

2,4,5-Trichlorophenol

Concen: 41.577 ng

RT: 9.116 min Scan# 1194

Delta R.T. -0.000 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Tgt Ion:196 Resp: 152071

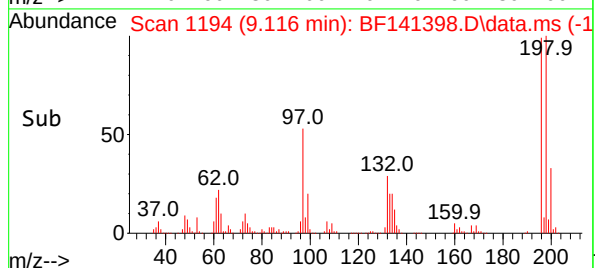
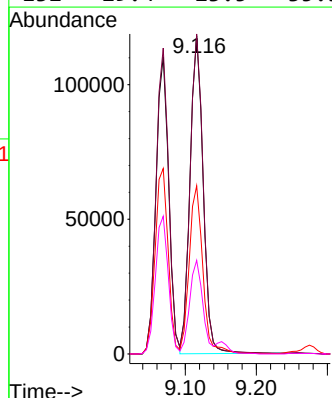
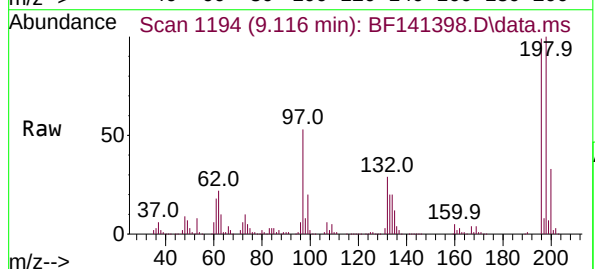
Ion Ratio Lower Upper

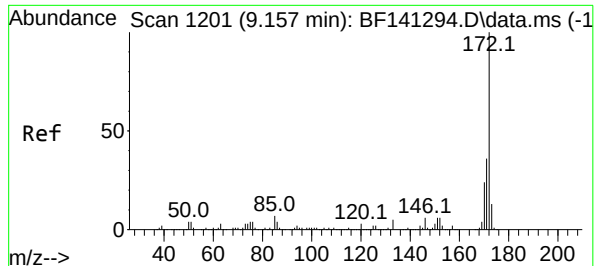
196 100

198 100.5 80.5 120.7

97 52.8 42.8 64.2

132 29.4 23.5 35.3





#45

2-Fluorobiphenyl

Concen: 81.771 ng

RT: 9.151 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

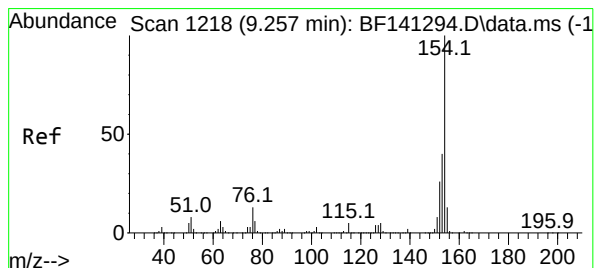
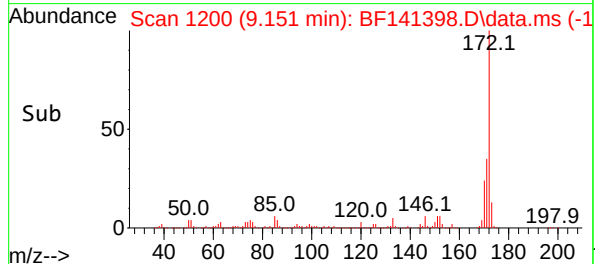
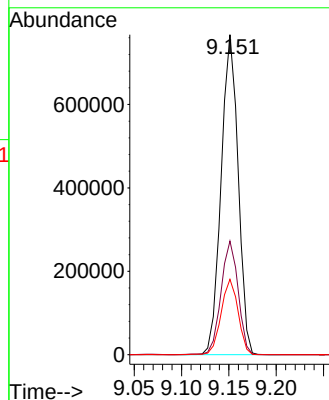
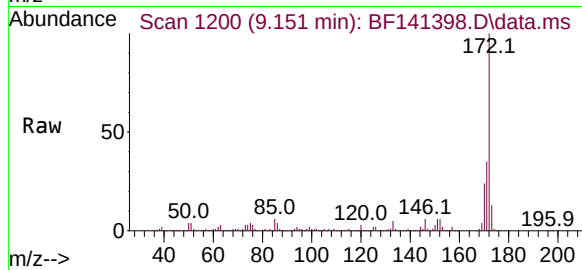
Tgt Ion:172 Resp: 958786

Ion Ratio Lower Upper

172 100

171 35.5 28.8 43.2

170 23.5 19.0 28.6



#46

1,1'-Biphenyl

Concen: 40.089 ng

RT: 9.251 min Scan# 1217

Delta R.T. -0.012 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

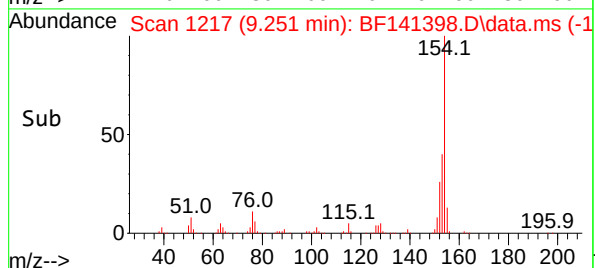
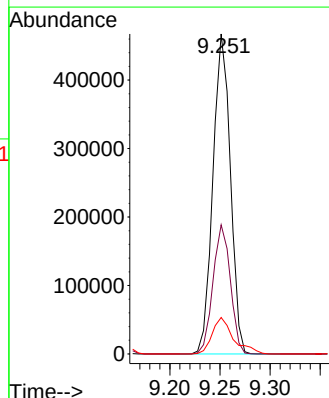
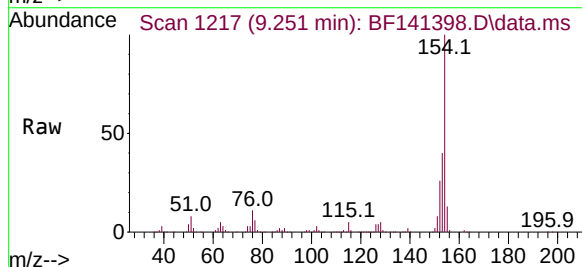
Tgt Ion:154 Resp: 564241

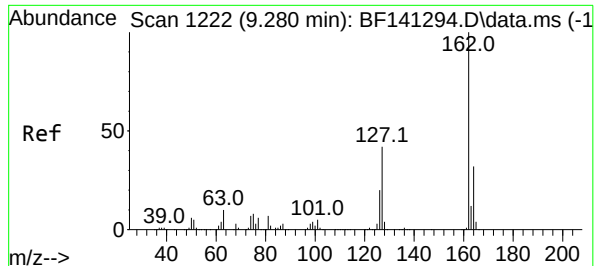
Ion Ratio Lower Upper

154 100

153 40.4 20.0 60.0

76 11.4 0.0 32.8





#47

2-Chloronaphthalene

Concen: 39.785 ng

RT: 9.275 min Scan# 1222

Delta R.T. -0.012 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

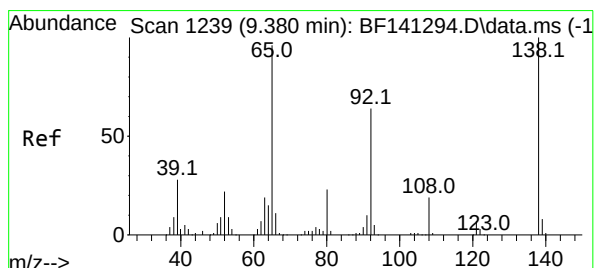
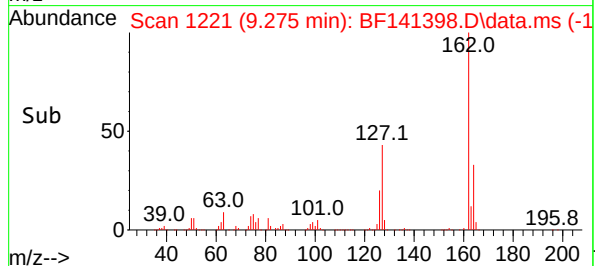
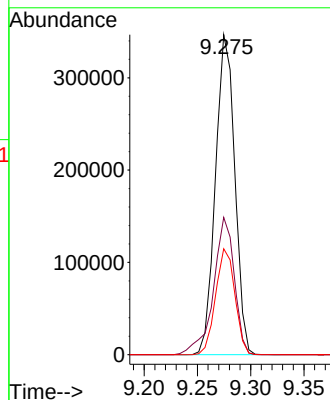
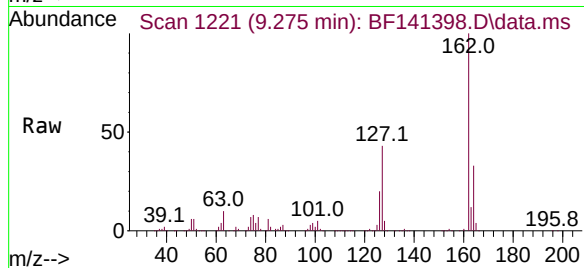
Tgt Ion:162 Resp: 436455

Ion Ratio Lower Upper

162 100

127 42.9 33.7 50.5

164 33.1 25.9 38.9



#48

2-Nitroaniline

Concen: 40.764 ng

RT: 9.375 min Scan# 1238

Delta R.T. -0.006 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

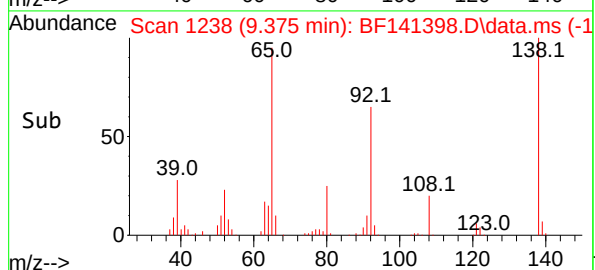
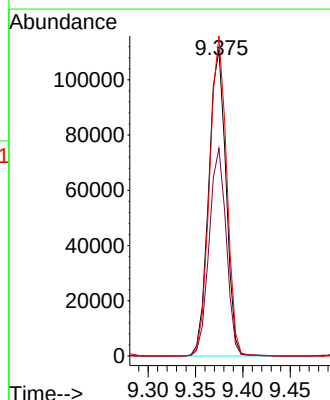
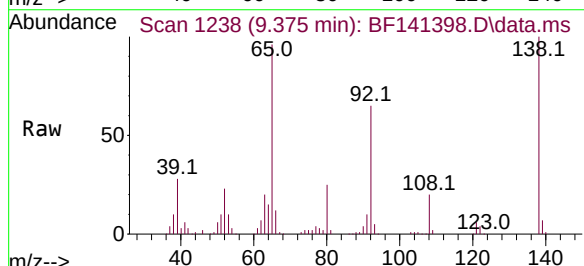
Tgt Ion: 65 Resp: 140664

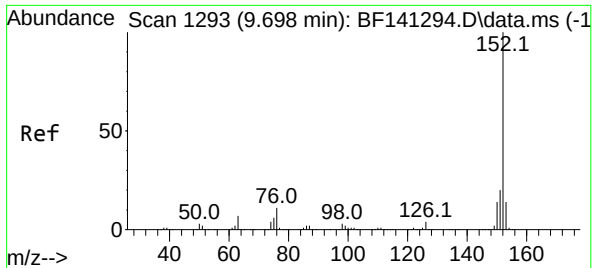
Ion Ratio Lower Upper

65 100

92 67.8 53.3 79.9

138 104.5 83.6 125.4





#49

Acenaphthylene

Concen: 40.360 ng

RT: 9.692 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

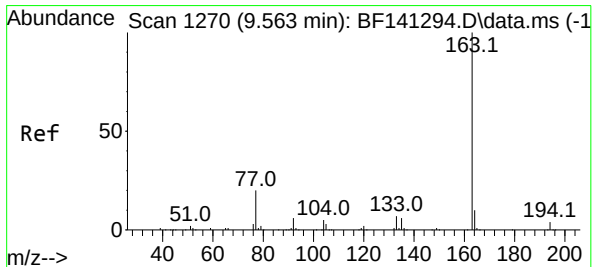
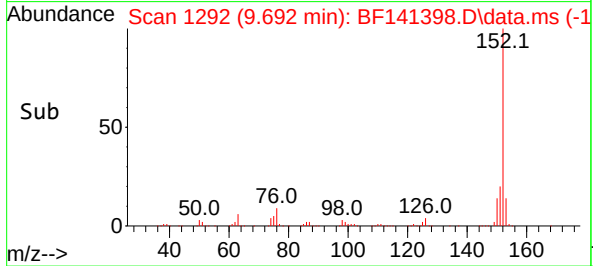
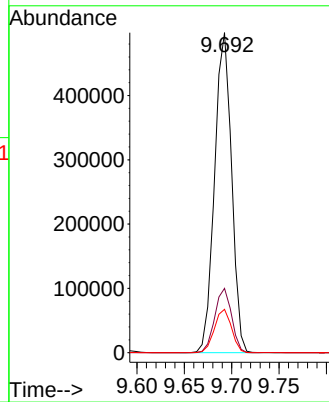
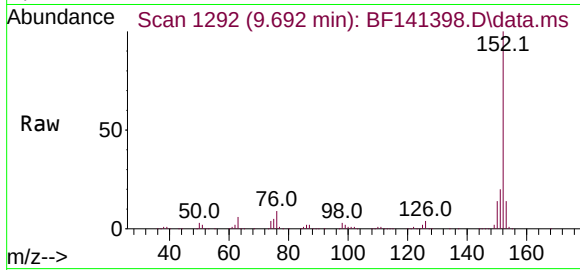
Tgt Ion:152 Resp: 619791

Ion	Ratio	Lower	Upper

152	100		

151	20.1	16.2	24.2

153	13.6	11.0	16.6



#50

Dimethylphthalate

Concen: 40.604 ng

RT: 9.557 min Scan# 1269

Delta R.T. -0.012 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

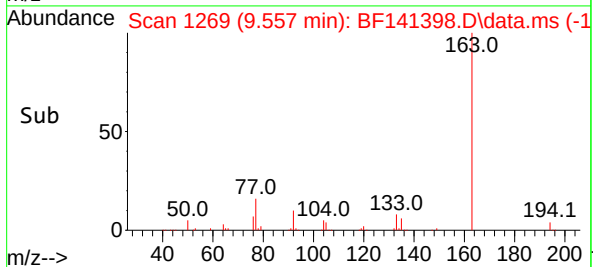
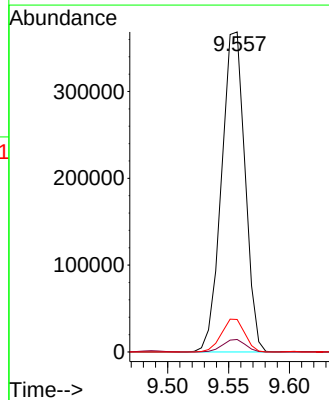
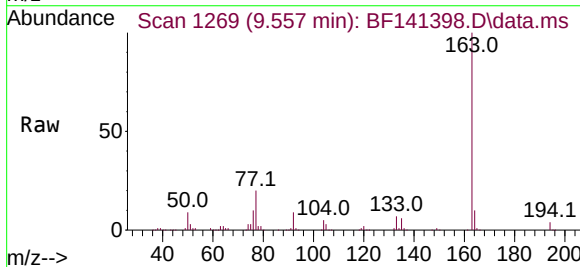
Tgt Ion:163 Resp: 494930

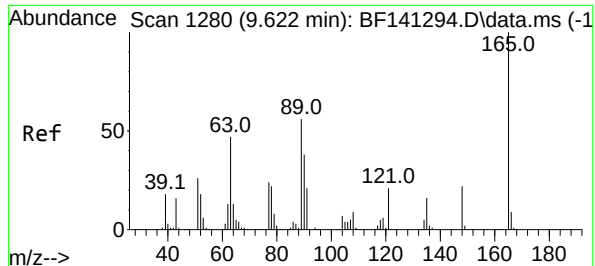
Ion	Ratio	Lower	Upper

163	100		

194	3.9	3.0	4.6

164	10.2	8.0	12.0





#51

2,6-Dinitrotoluene

Concen: 40.929 ng

RT: 9.616 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

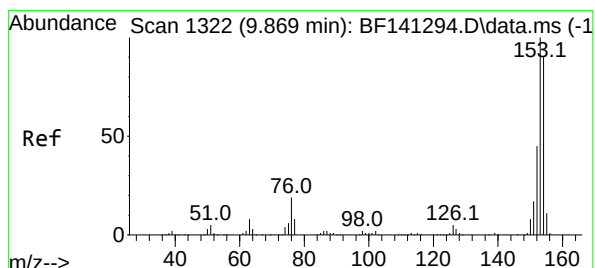
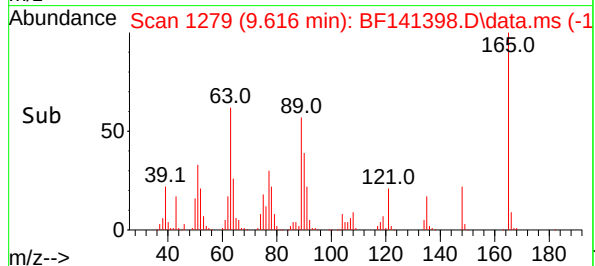
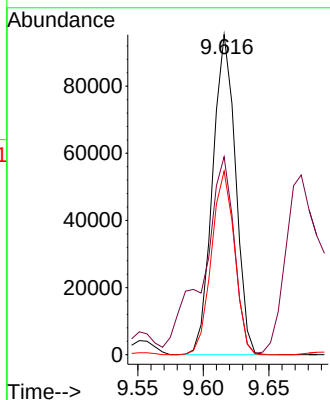
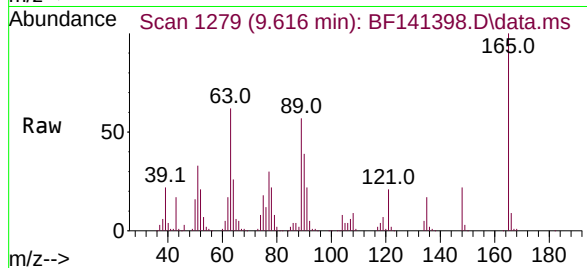
Tgt Ion:165 Resp: 115835

Ion Ratio Lower Upper

165 100

63 61.9 48.1 72.1

89 57.4 44.9 67.3



#52

Acenaphthene

Concen: 41.328 ng

RT: 9.863 min Scan# 1321

Delta R.T. -0.012 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

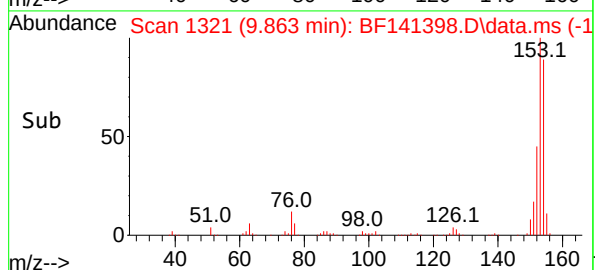
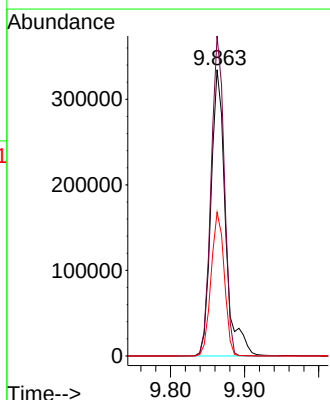
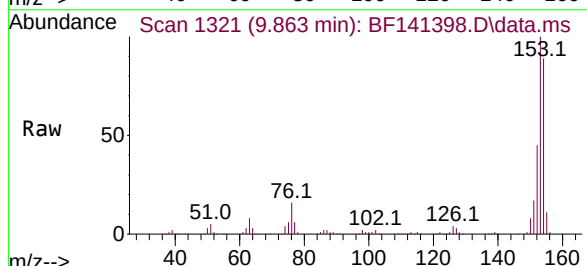
Tgt Ion:154 Resp: 453408

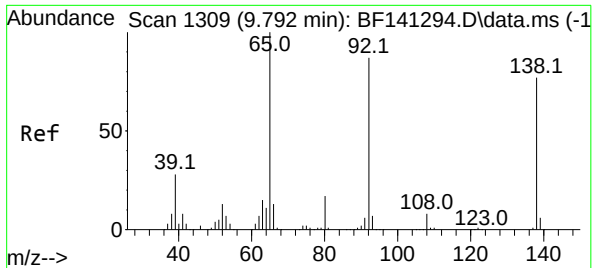
Ion Ratio Lower Upper

154 100

153 111.8 89.0 133.4

152 50.2 40.2 60.4

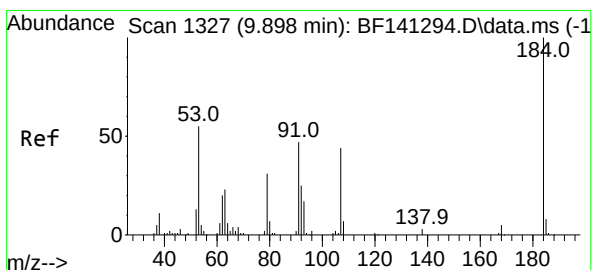
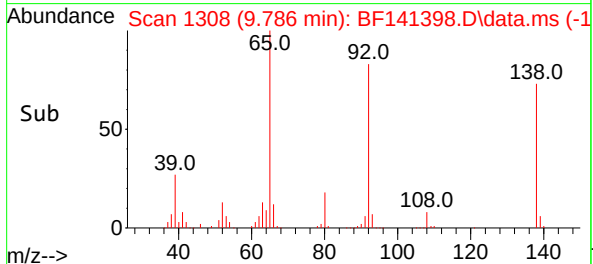
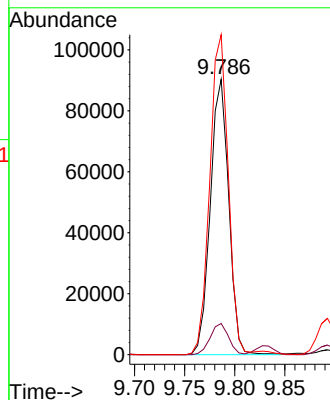
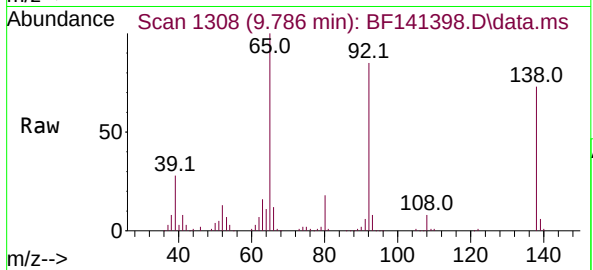




#53
3-Nitroaniline
Concen: 41.746 ng
RT: 9.786 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

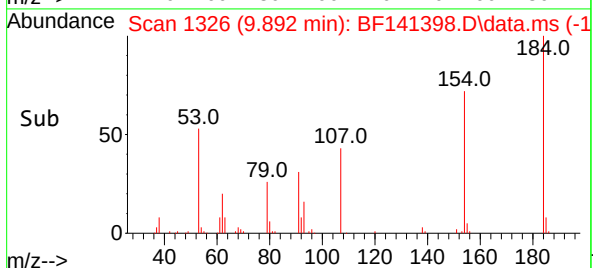
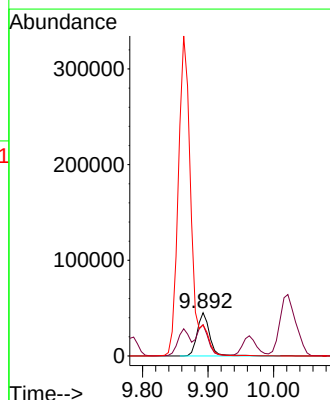
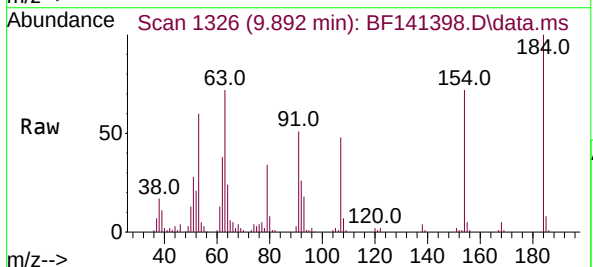
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

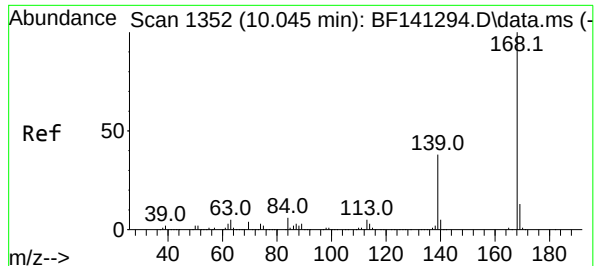
Tgt Ion:138 Resp: 115797
Ion Ratio Lower Upper
138 100
108 11.3 8.6 12.8
92 116.2 91.0 136.6



#54
2,4-Dinitrophenol
Concen: 45.240 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:184 Resp: 59519
Ion Ratio Lower Upper
184 100
63 72.2 54.1 81.1
154 71.9 50.7 76.1





#55

Dibenzenofuran

Concen: 41.022 ng

RT: 10.033 min Scan# 1350

Delta R.T. -0.012 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

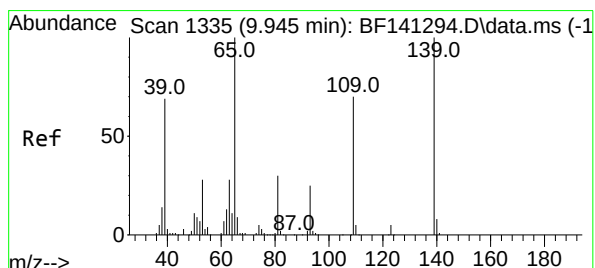
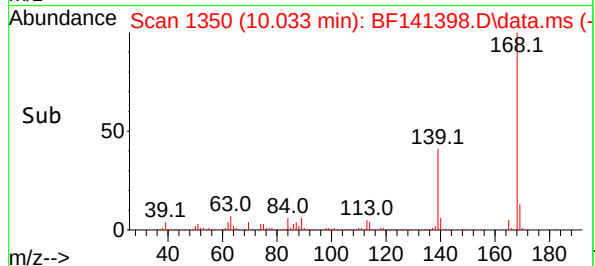
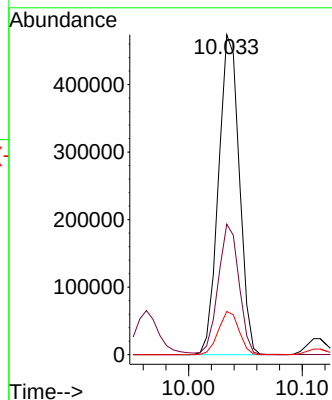
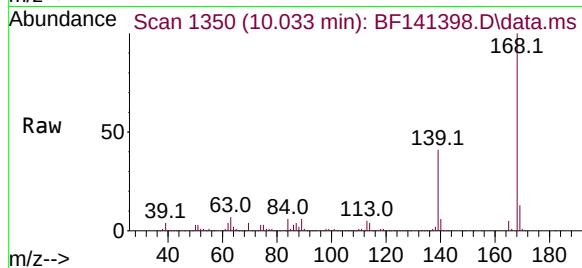
Tgt Ion:168 Resp: 602409

Ion Ratio Lower Upper

168 100

139 40.8 30.6 46.0

169 13.5 10.8 16.2



#56

4-Nitrophenol

Concen: 45.798 ng

RT: 9.963 min Scan# 1338

Delta R.T. 0.006 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

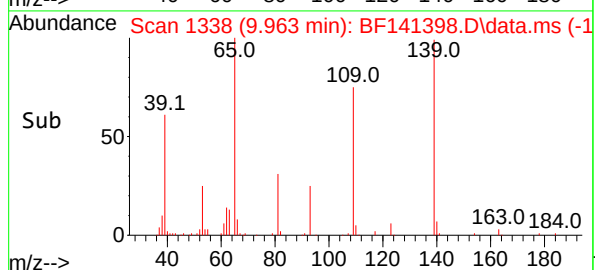
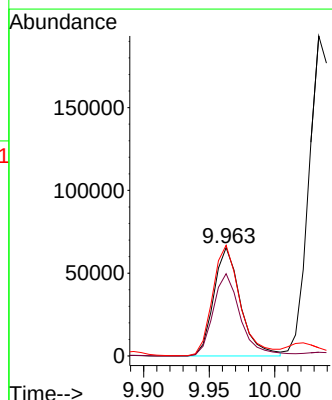
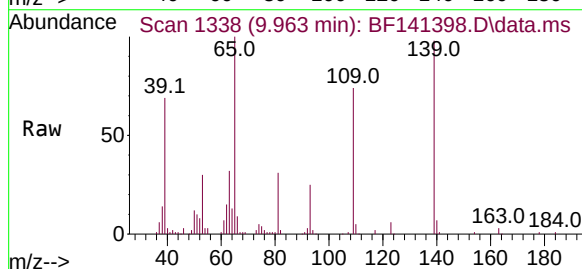
Tgt Ion:139 Resp: 92908

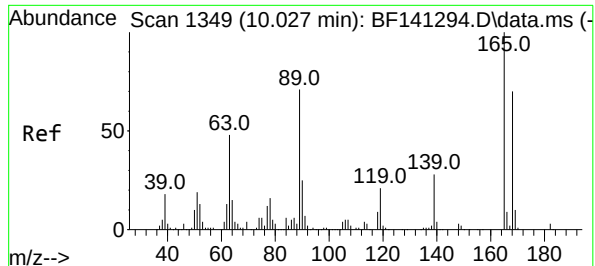
Ion Ratio Lower Upper

139 100

109 76.0 50.2 90.2

65 102.3 80.6 120.6

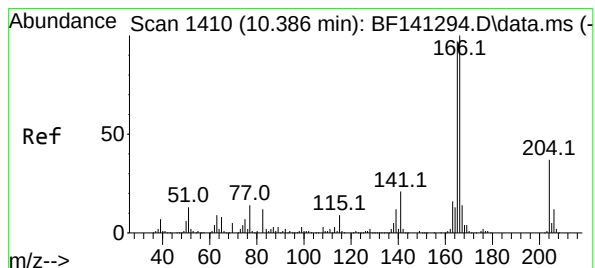
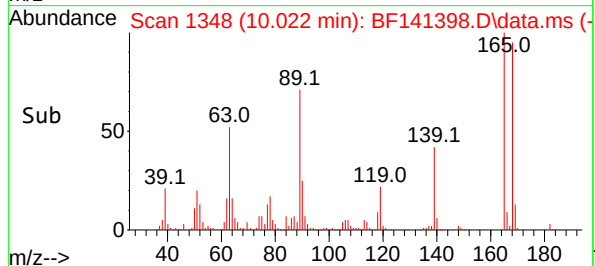
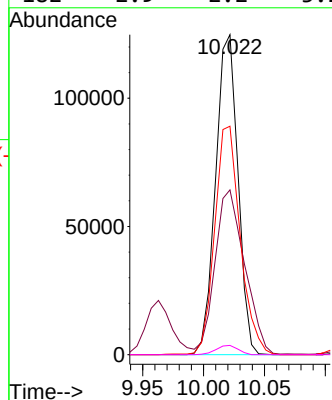
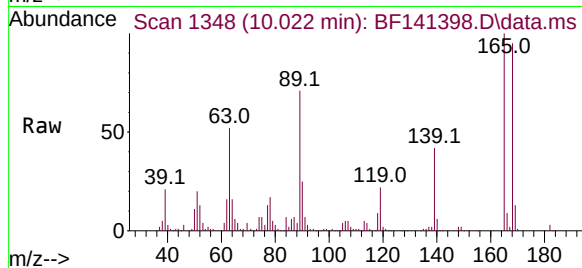




#57
2,4-Dinitrotoluene
Concen: 43.471 ng
RT: 10.022 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

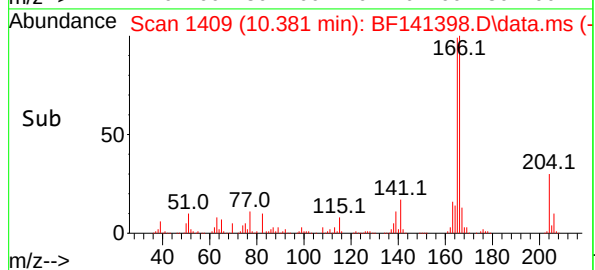
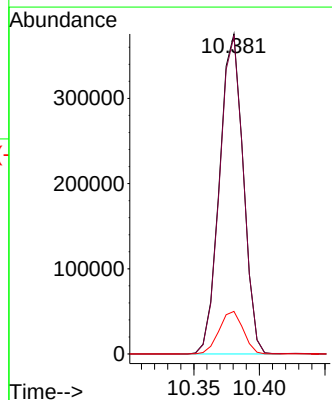
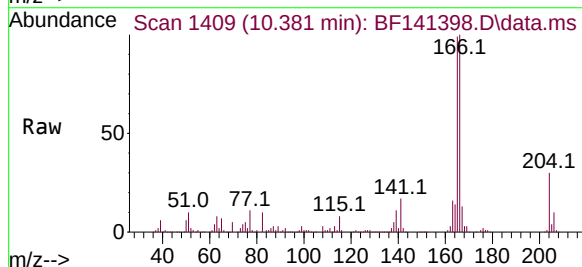
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

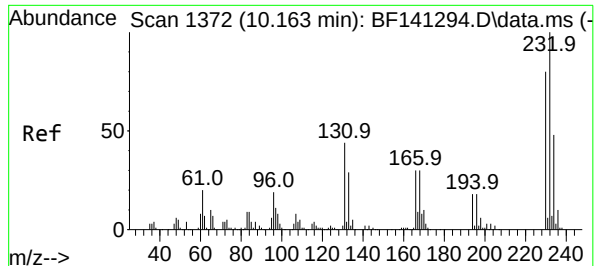
Tgt Ion:165 Resp: 159291
Ion Ratio Lower Upper
165 100
63 51.5 39.2 58.8
89 71.4 56.9 85.3
182 2.9 2.2 3.2



#58
Fluorene
Concen: 41.395 ng
RT: 10.381 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:166 Resp: 471526
Ion Ratio Lower Upper
166 100
165 99.3 77.5 116.3
167 13.3 10.9 16.3

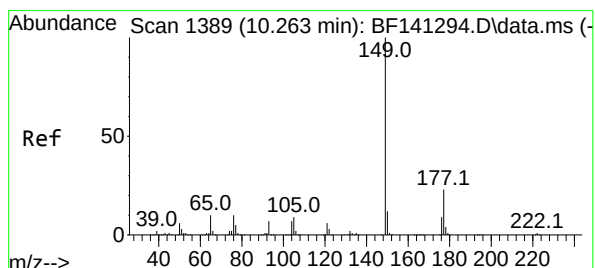
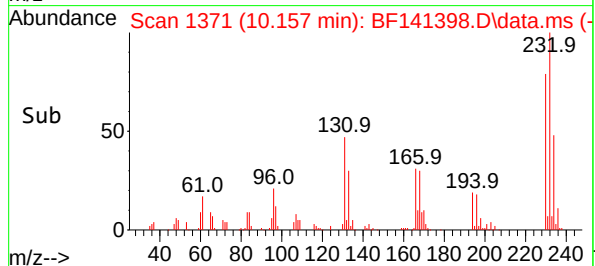
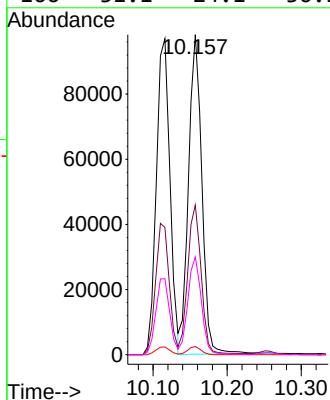
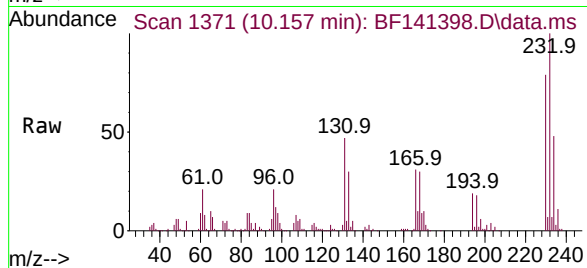




#59
2,3,4,6-Tetrachlorophenol
Concen: 42.803 ng
RT: 10.157 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

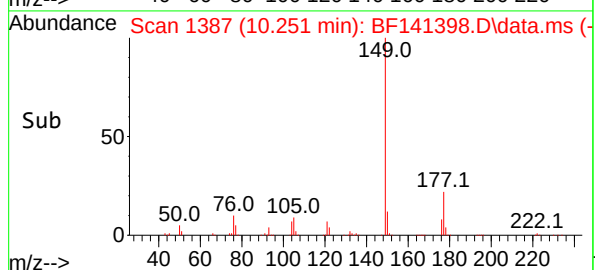
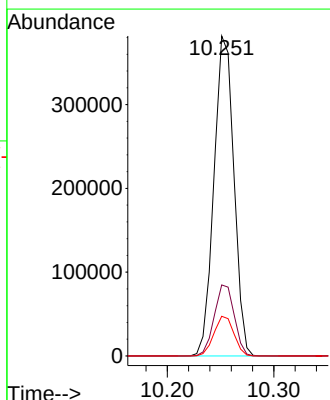
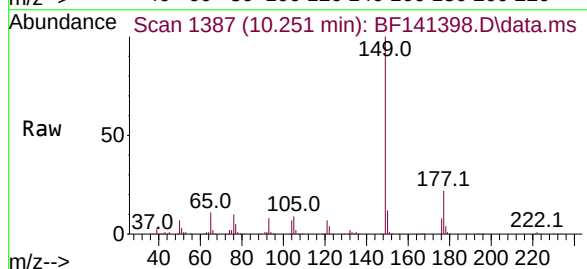
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

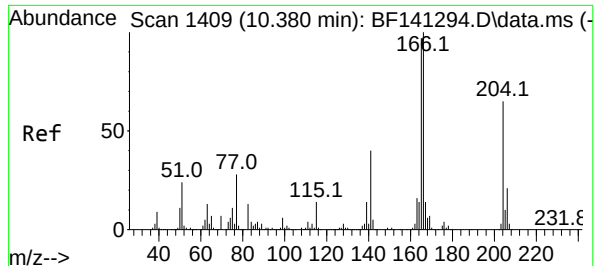
Tgt Ion:232 Resp: 123166
Ion Ratio Lower Upper
232 100
131 47.4 36.4 54.6
130 2.5 1.9 2.9
166 31.1 24.1 36.1



#60
Diethylphthalate
Concen: 41.956 ng
RT: 10.251 min Scan# 1387
Delta R.T. -0.018 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:149 Resp: 495870
Ion Ratio Lower Upper
149 100
177 22.2 18.5 27.7
150 12.4 10.0 15.0

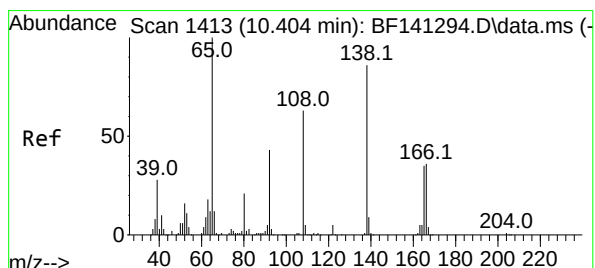
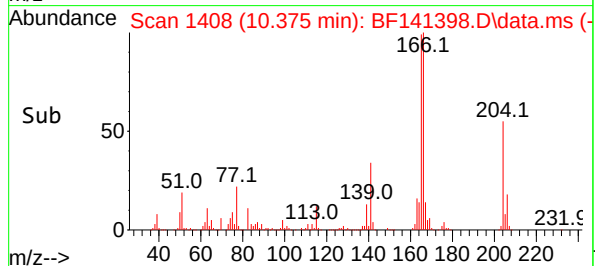
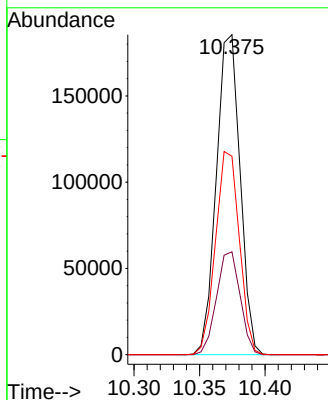
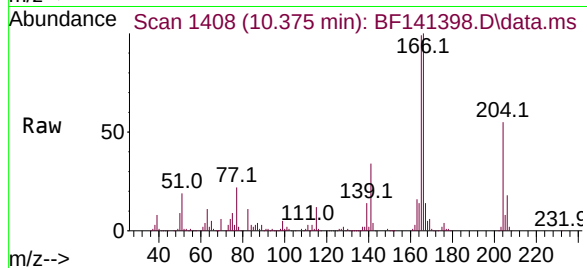




#61
4-Chlorophenyl-phenylether
Concen: 42.037 ng
RT: 10.375 min Scan# 1409
Delta R.T. -0.006 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

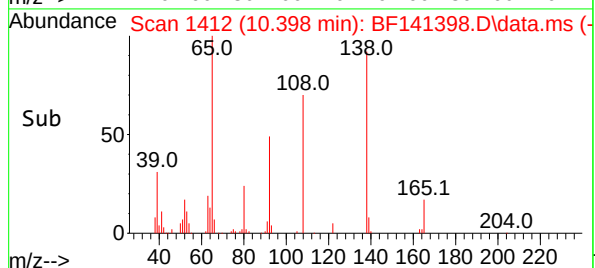
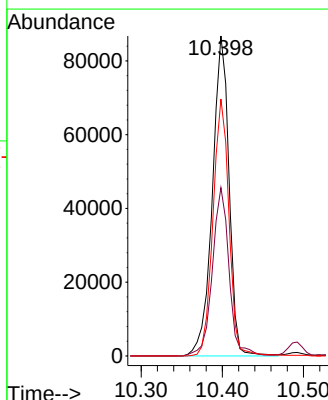
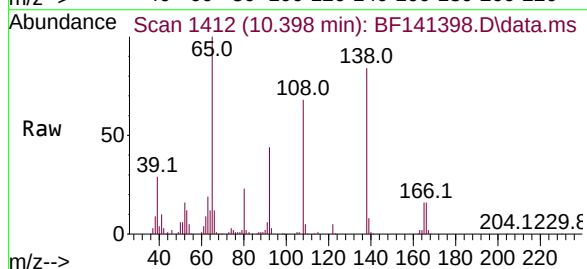
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

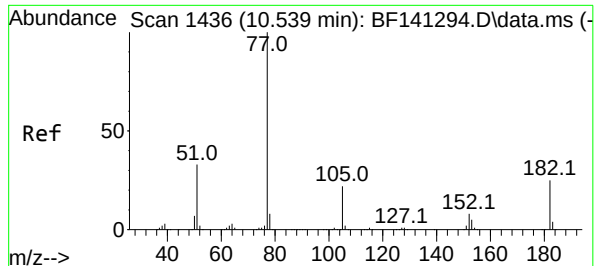
Tgt Ion:204 Resp: 233902
Ion Ratio Lower Upper
204 100
206 32.2 25.9 38.9
141 62.0 49.5 74.3



#62
4-Nitroaniline
Concen: 45.468 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.018 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:138 Resp: 123996
Ion Ratio Lower Upper
138 100
92 52.6 30.1 70.1
108 80.3 53.1 93.1

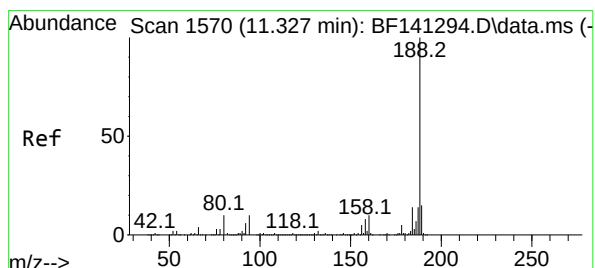
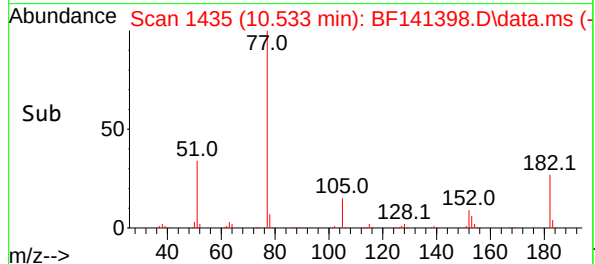
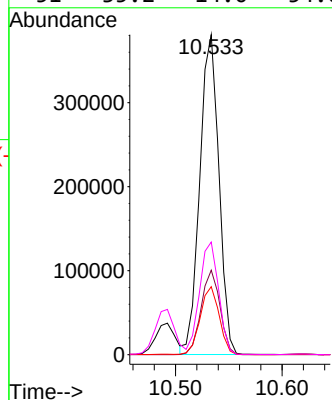
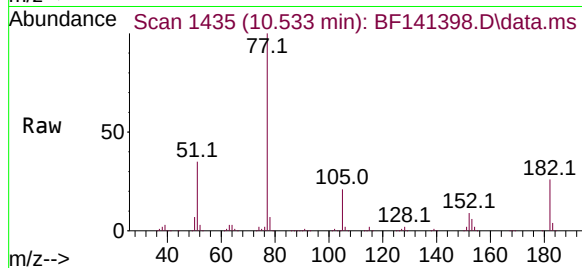




#63
Azobenzene
Concen: 40.234 ng
RT: 10.533 min Scan# 1435
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

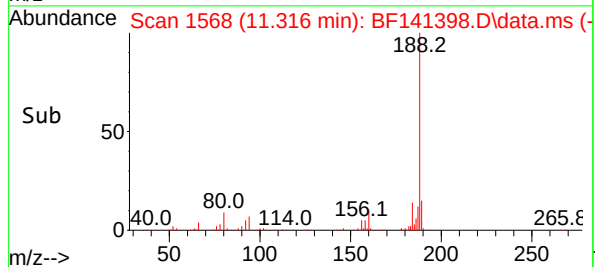
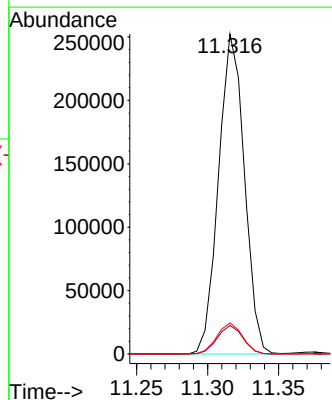
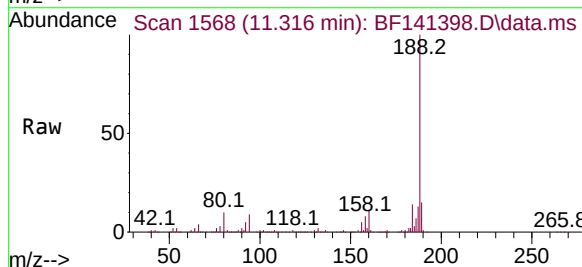
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

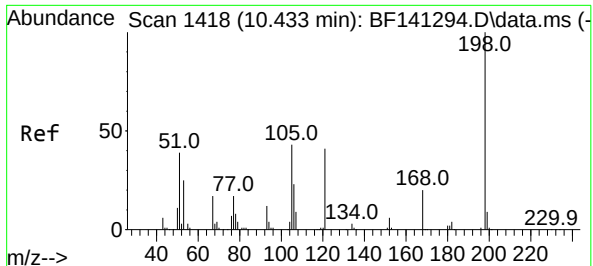
Tgt Ion: 77 Resp: 475982
Ion Ratio Lower Upper
77 100
182 26.4 5.1 45.1
105 21.3 1.8 41.8
51 35.2 14.0 54.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion: 188 Resp: 318826
Ion Ratio Lower Upper
188 100
94 8.9 7.8 11.6
80 9.7 8.2 12.4

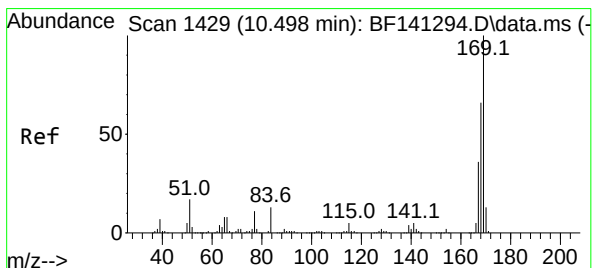
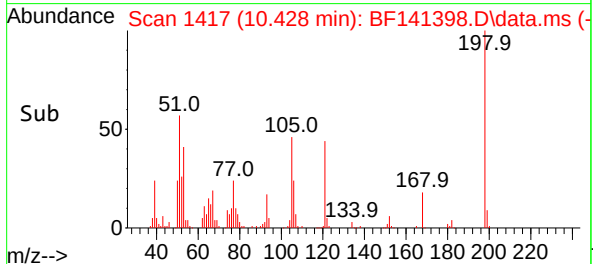
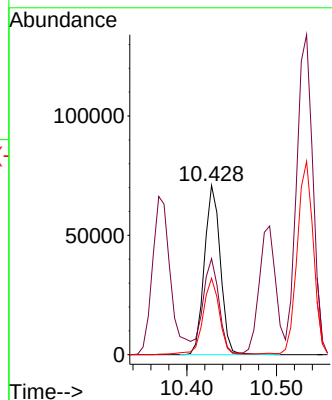
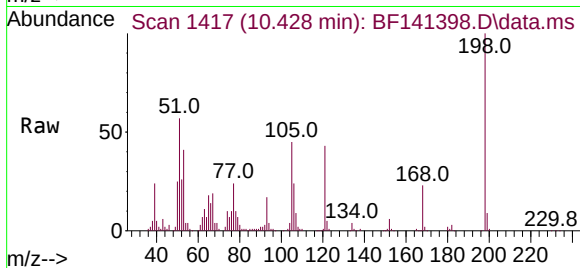




#65
4,6-Dinitro-2-methylphenol
Concen: 46.476 ng
RT: 10.428 min Scan# 1418
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

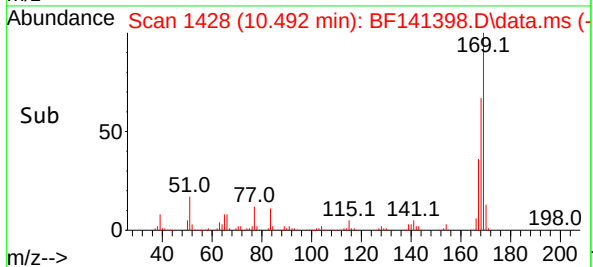
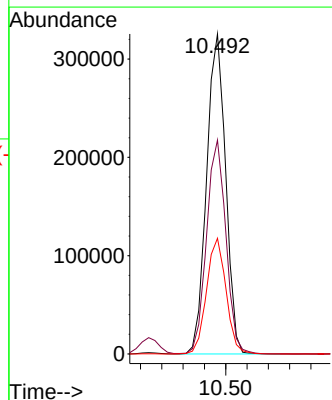
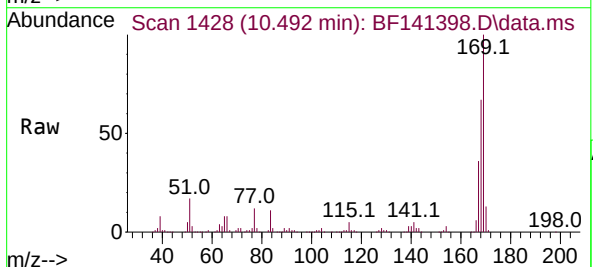
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

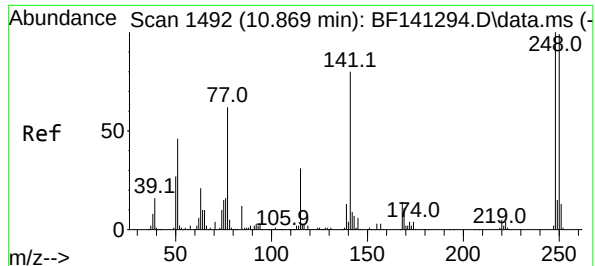
Tgt Ion	Ratio	Lower	Upper
198	100		
51	56.8	33.4	73.4
105	45.1	24.4	64.4



#66
n-Nitrosodiphenylamine
Concen: 39.195 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion	Ratio	Lower	Upper
169	100		
168	66.8	53.0	79.4
167	36.2	28.8	43.2

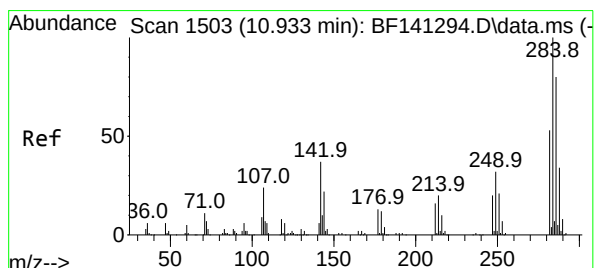
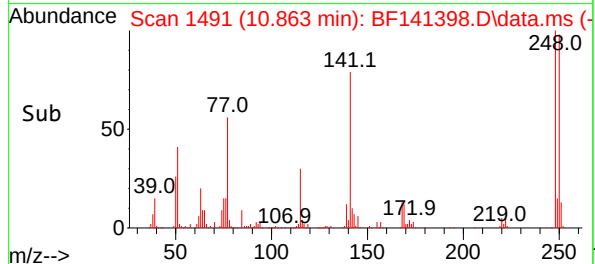
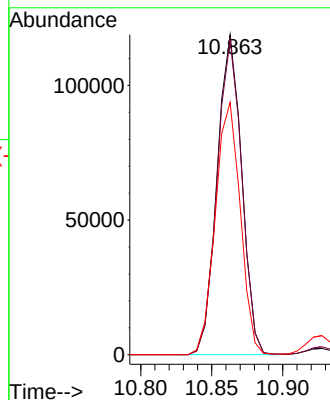
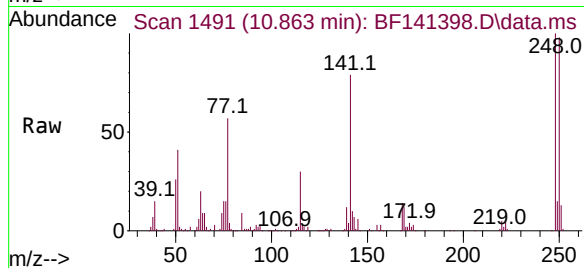




#67
4-Bromophenyl-phenylether
Concen: 40.154 ng
RT: 10.863 min Scan# 1491
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

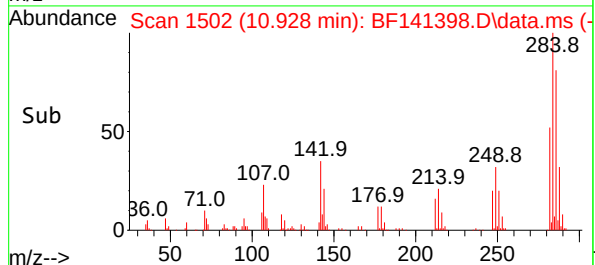
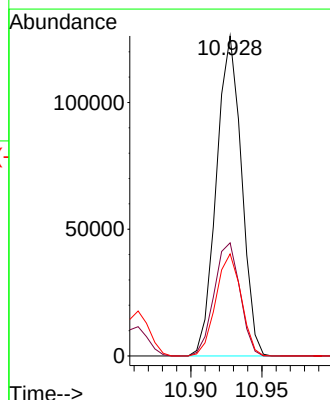
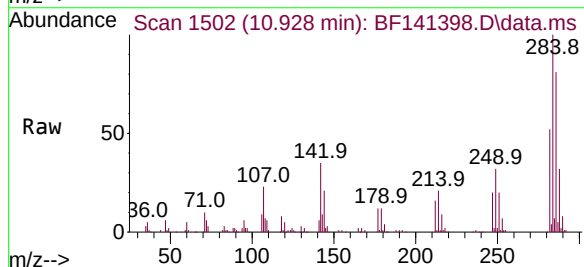
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

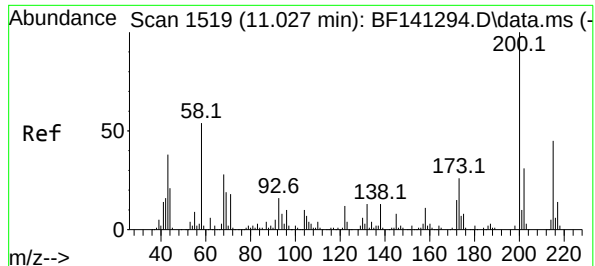
Tgt Ion:248 Resp: 143325
Ion Ratio Lower Upper
248 100
250 98.2 79.0 118.4
141 78.8 63.7 95.5



#68
Hexachlorobenzene
Concen: 40.974 ng
RT: 10.928 min Scan# 1502
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:284 Resp: 155137
Ion Ratio Lower Upper
284 100
142 35.3 29.5 44.3
249 31.9 25.4 38.2





#69

Atrazine

Concen: 39.568 ng

RT: 11.022 min Scan# 1518

Delta R.T. -0.012 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

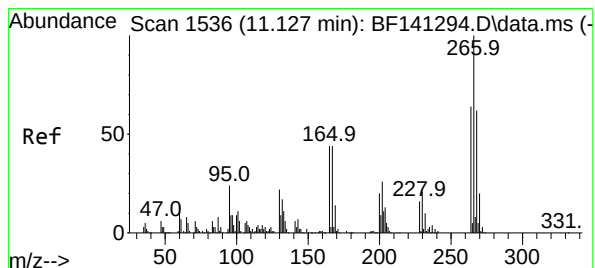
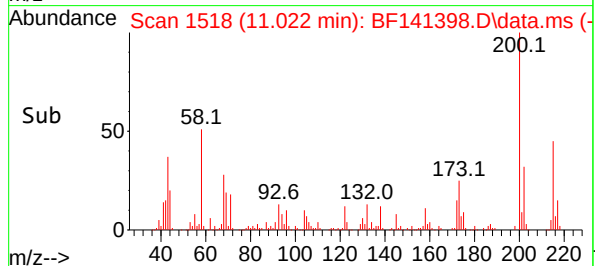
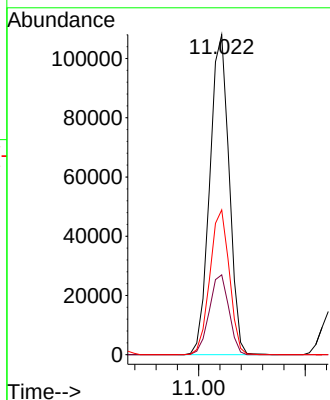
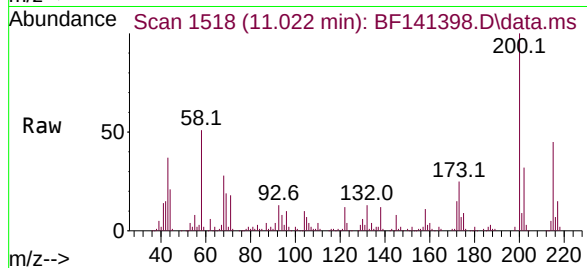
Tgt Ion:200 Resp: 136423

Ion Ratio Lower Upper

200 100

173 25.0 5.9 45.9

215 45.3 25.2 65.2



#70

Pentachlorophenol

Concen: 46.366 ng

RT: 11.128 min Scan# 1536

Delta R.T. -0.006 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

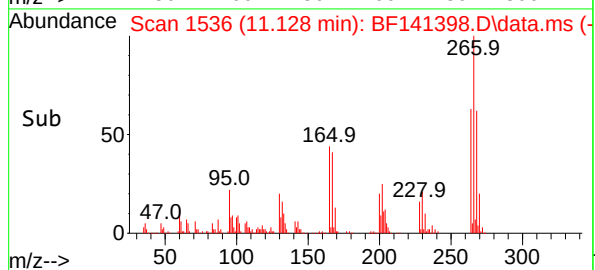
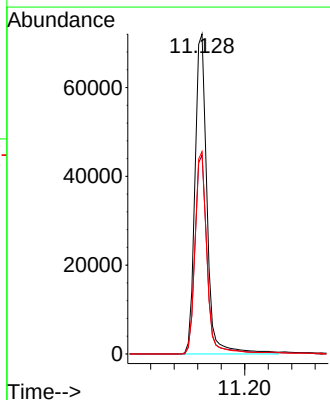
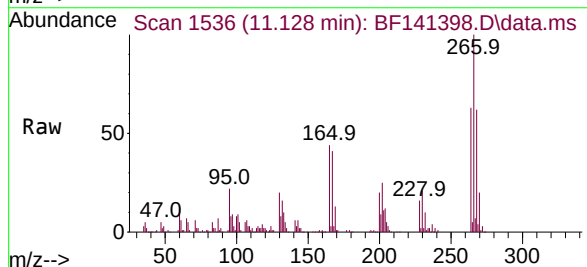
Tgt Ion:266 Resp: 102799

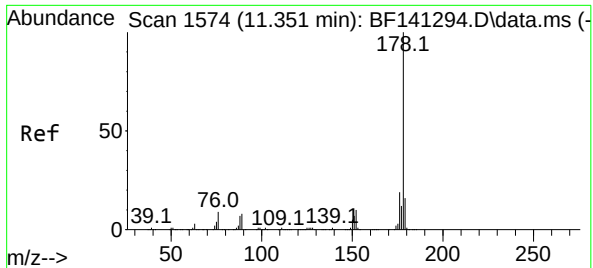
Ion Ratio Lower Upper

266 100

268 62.2 49.9 74.9

264 63.2 51.0 76.4

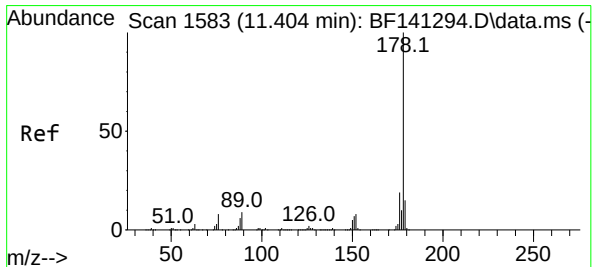
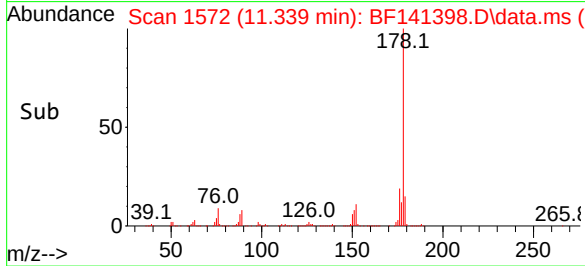
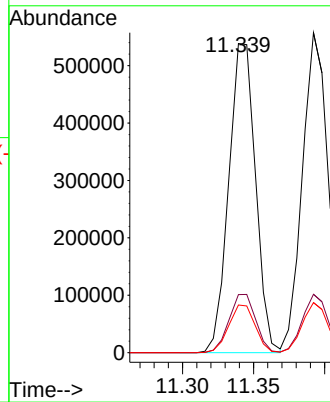
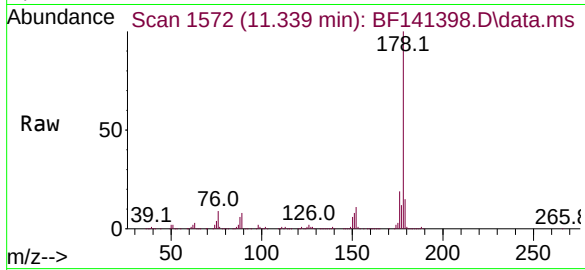




#71
Phenanthrene
Concen: 41.259 ng
RT: 11.339 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

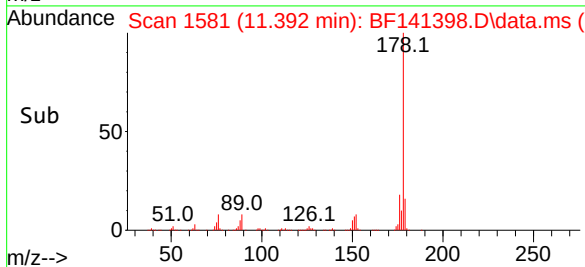
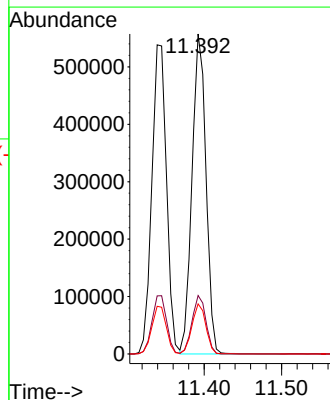
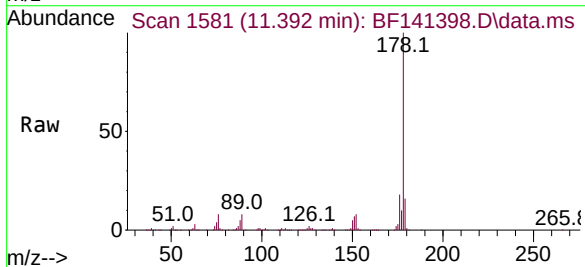
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

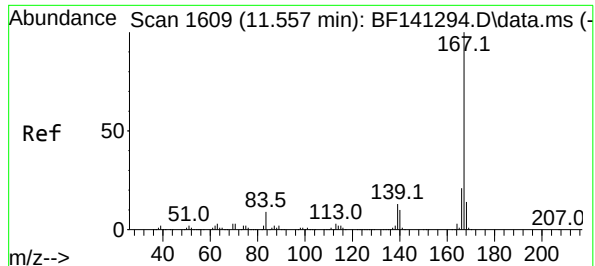
Tgt Ion:178 Resp: 707114
Ion Ratio Lower Upper
178 100
176 18.8 15.3 22.9
179 15.4 12.5 18.7



#72
Anthracene
Concen: 41.470 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:178 Resp: 696374
Ion Ratio Lower Upper
178 100
176 18.3 15.0 22.6
179 15.7 12.3 18.5





#73

Carbazole

Concen: 44.044 ng

RT: 11.551 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

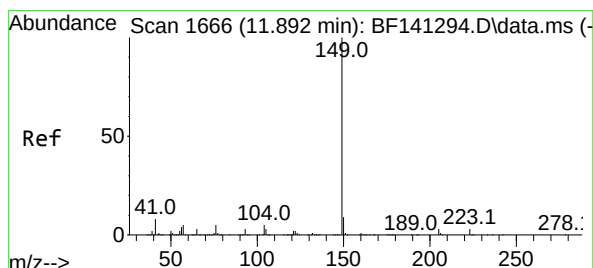
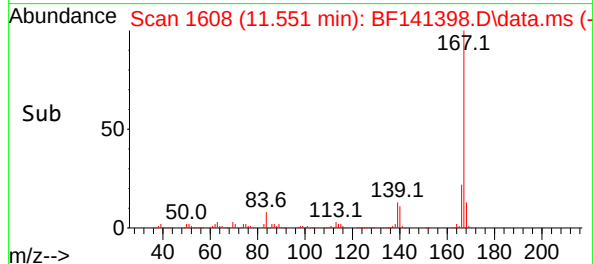
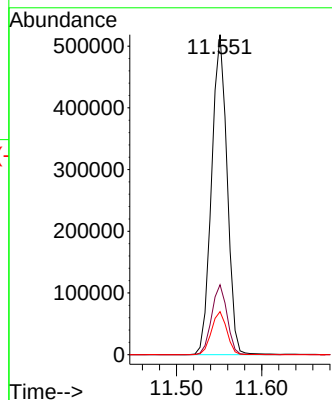
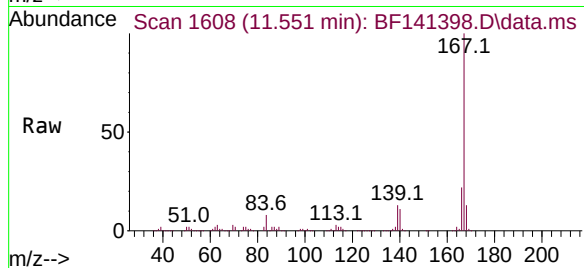
Tgt Ion:167 Resp: 655823

Ion Ratio Lower Upper

167 100

166 21.8 17.0 25.6

139 13.4 10.6 16.0



#74

Di-n-butylphthalate

Concen: 42.899 ng

RT: 11.880 min Scan# 1664

Delta R.T. -0.012 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

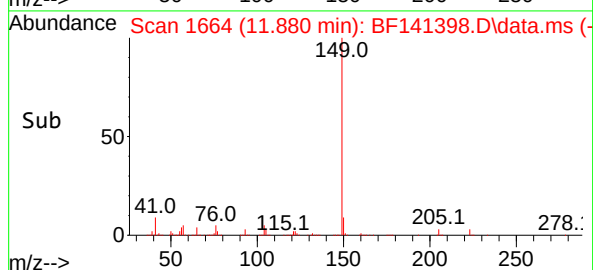
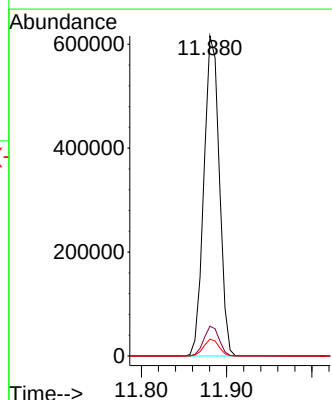
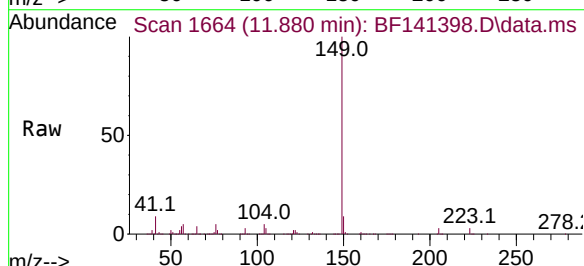
Tgt Ion:149 Resp: 774119

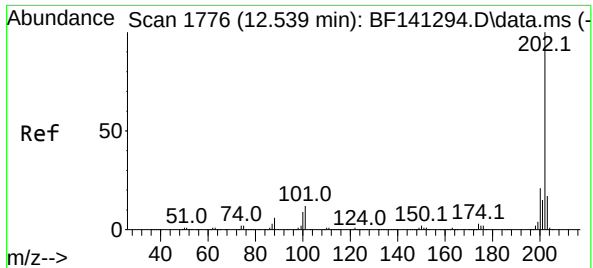
Ion Ratio Lower Upper

149 100

150 9.3 7.4 11.2

104 5.3 3.9 5.9

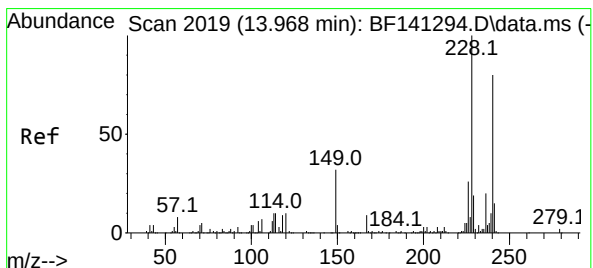
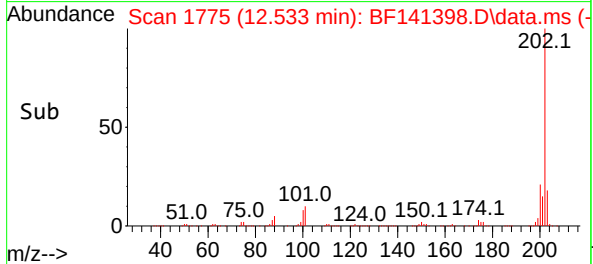
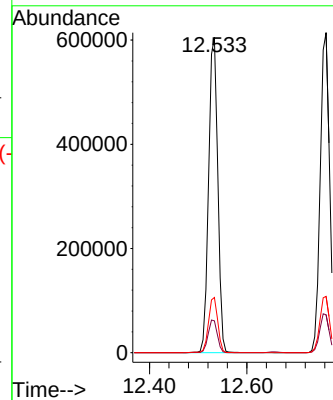
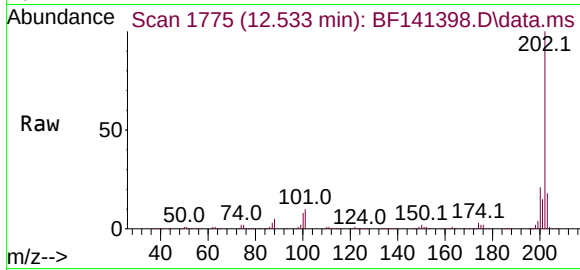




#75
Fluoranthene
Concen: 46.710 ng
RT: 12.533 min Scan# 1775
Delta R.T. -0.006 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

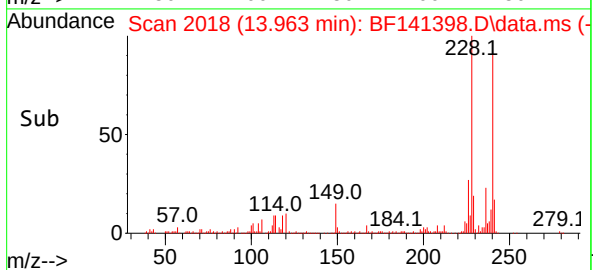
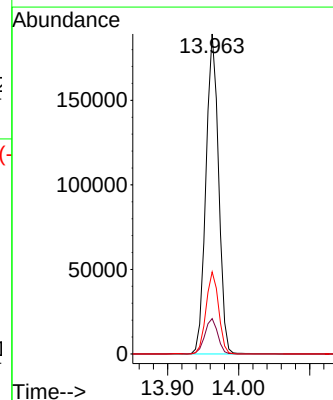
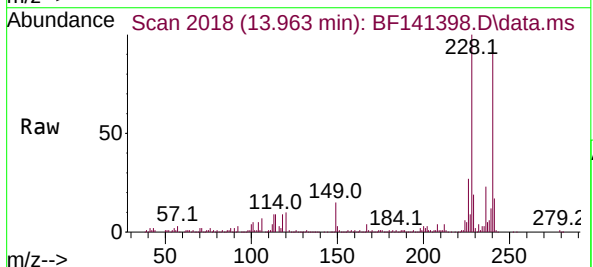
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

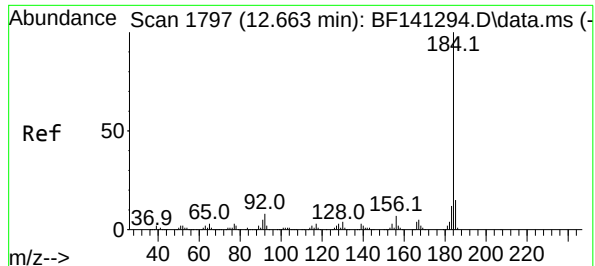
Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	31.7
203	17.5	0.0	37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.1	10.0	15.0
236	25.6	19.7	29.5





#77

Benzidine

Concen: 37.710 ng

RT: 12.657 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

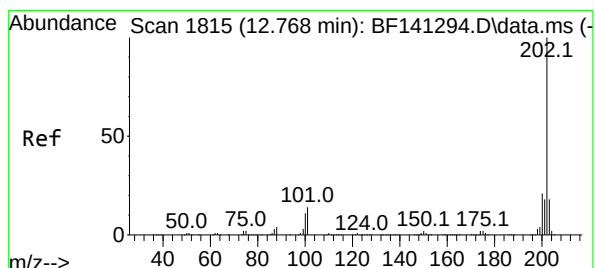
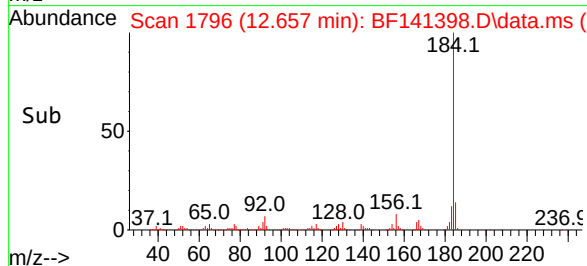
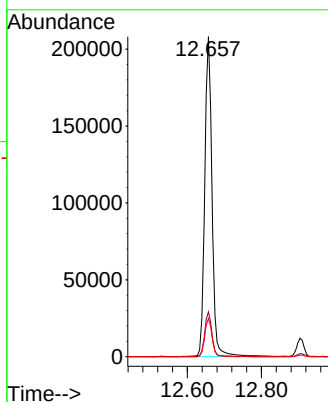
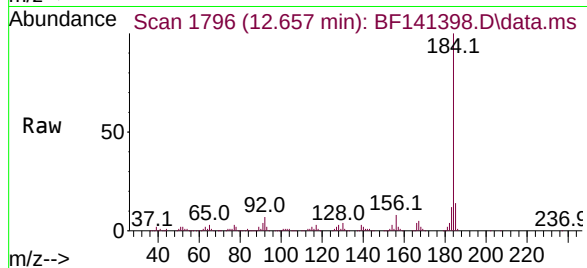
Tgt Ion:184 Resp: 284455

Ion Ratio Lower Upper

184 100

185 14.0 11.9 17.9

183 12.0 9.5 14.3



#78

Pyrene

Concen: 36.018 ng

RT: 12.763 min Scan# 1814

Delta R.T. -0.006 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

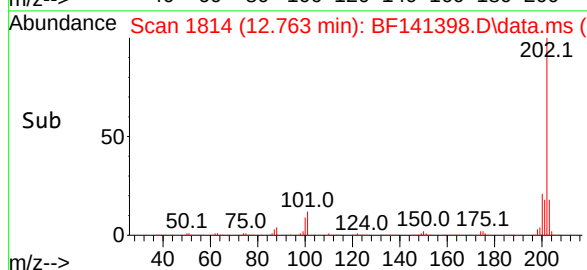
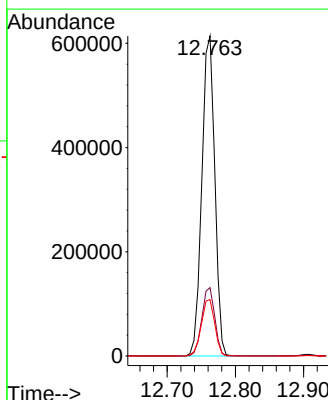
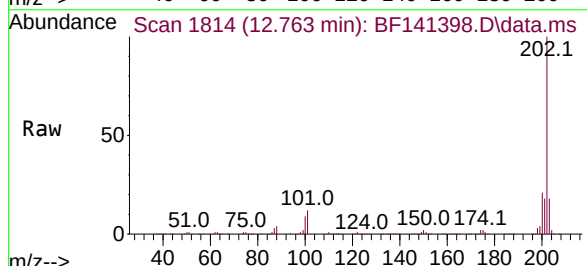
Tgt Ion:202 Resp: 813495

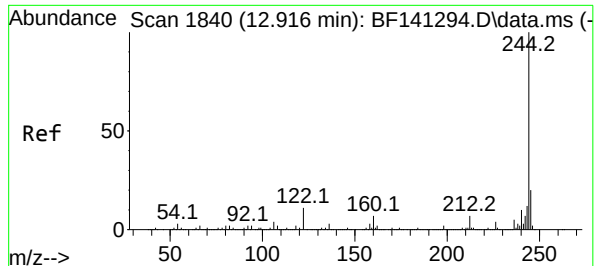
Ion Ratio Lower Upper

202 100

200 21.3 17.0 25.4

203 17.6 14.3 21.5





#79

Terphenyl-d14

Concen: 74.022 ng

RT: 12.904 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

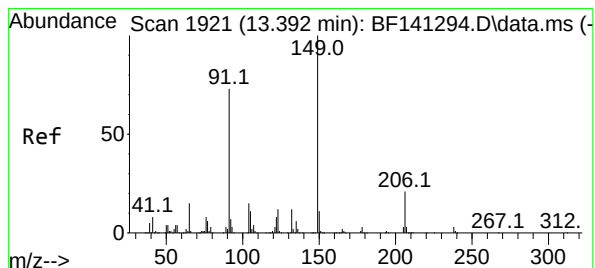
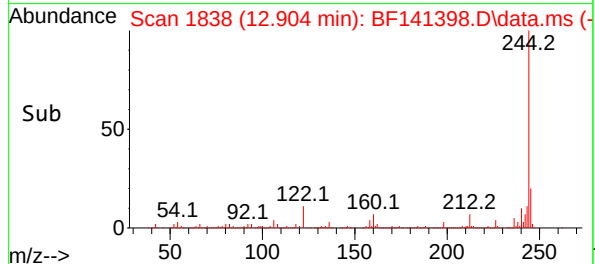
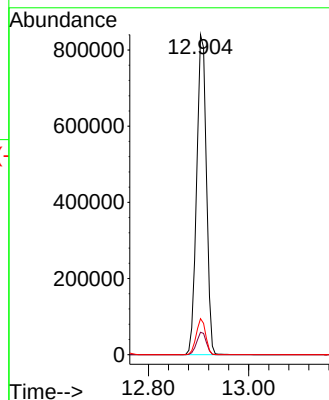
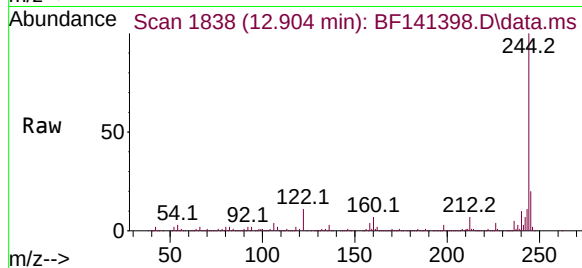
Tgt Ion:244 Resp: 1129373

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

122 11.3 8.8 13.2



#80

Butylbenzylphthalate

Concen: 41.239 ng

RT: 13.386 min Scan# 1920

Delta R.T. -0.006 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

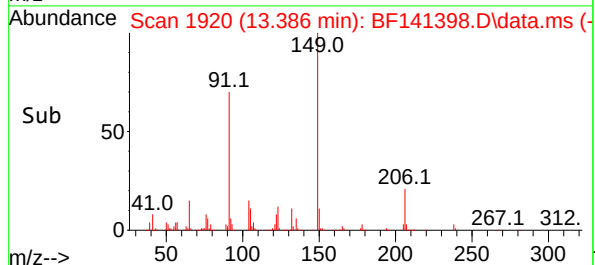
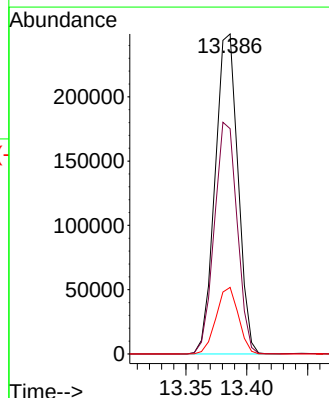
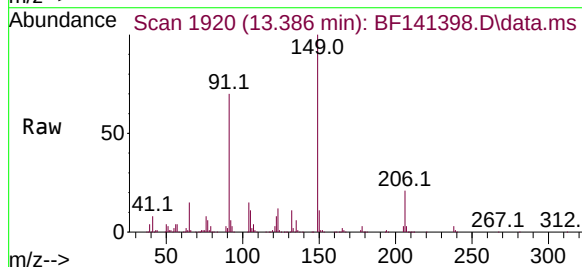
Tgt Ion:149 Resp: 325399

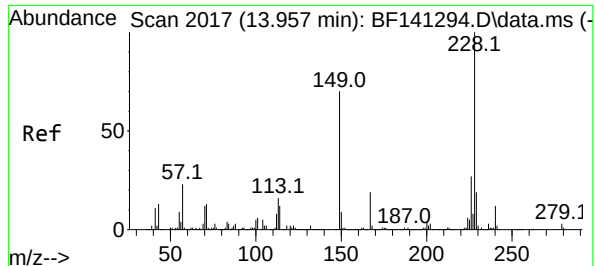
Ion Ratio Lower Upper

149 100

91 70.4 58.6 87.8

206 20.8 16.7 25.1

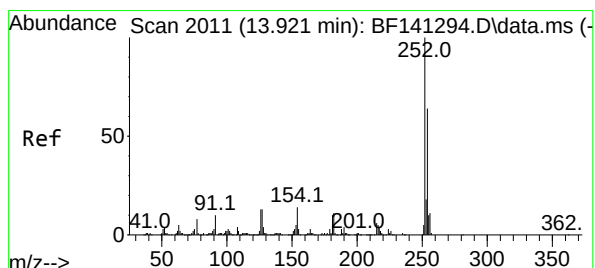
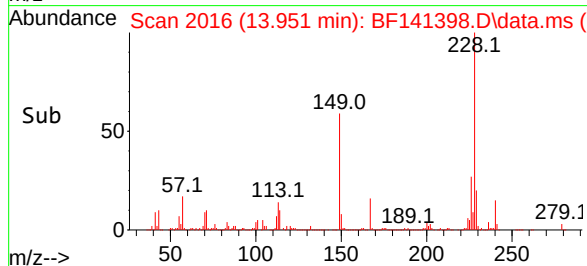
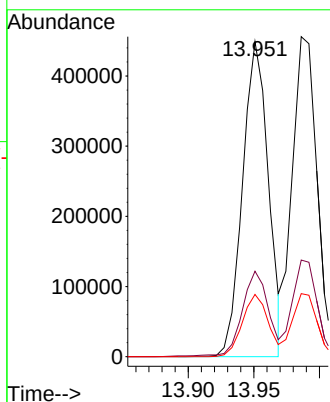
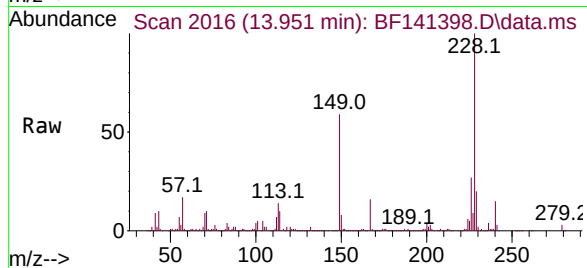




#81
Benzo(a)anthracene
Concen: 37.824 ng
RT: 13.951 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

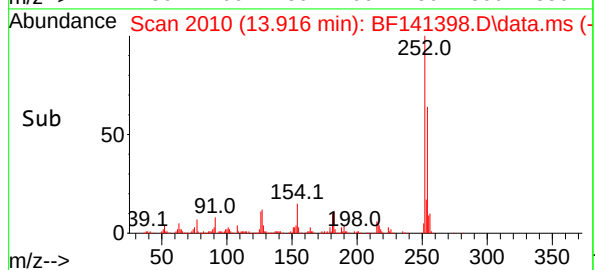
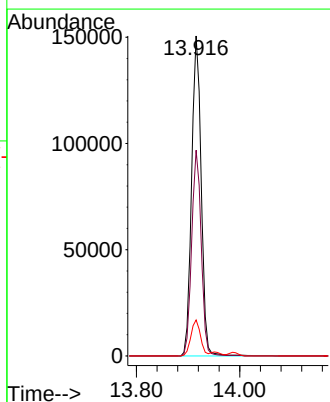
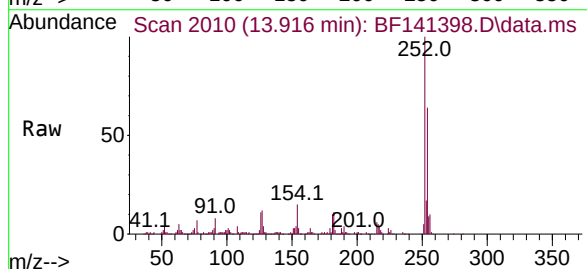
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

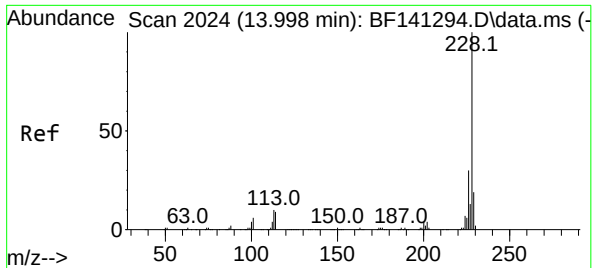
Tgt Ion:228 Resp: 614138
Ion Ratio Lower Upper
228 100
226 27.1 21.4 32.2
229 19.8 15.5 23.3



#82
3,3'-Dichlorobenzidine
Concen: 37.529 ng
RT: 13.916 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:252 Resp: 193800
Ion Ratio Lower Upper
252 100
254 64.3 51.3 76.9
126 11.3 10.0 15.0

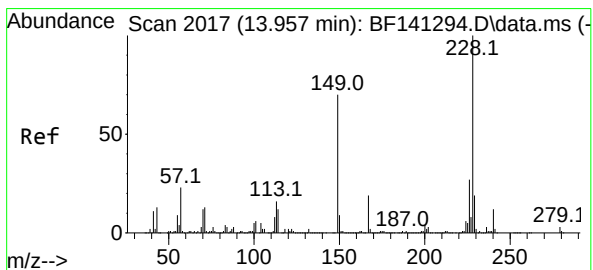
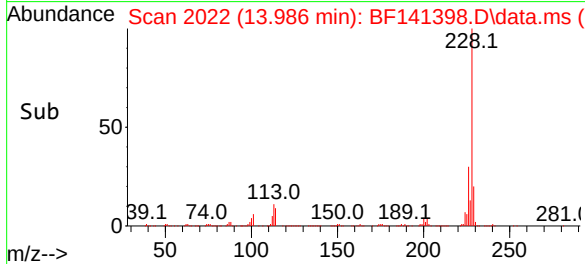
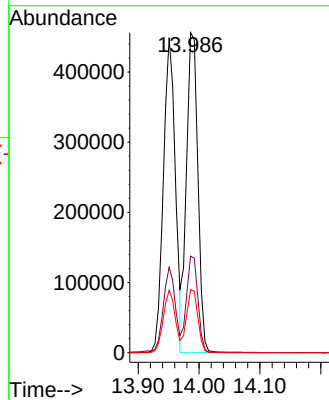
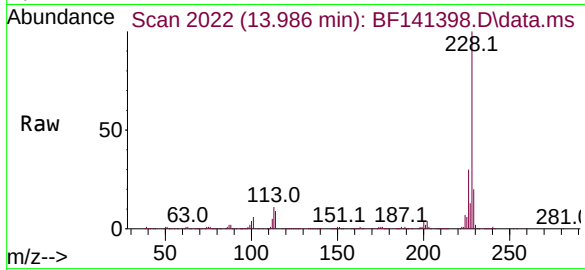




#83
Chrysene
Concen: 40.160 ng
RT: 13.986 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

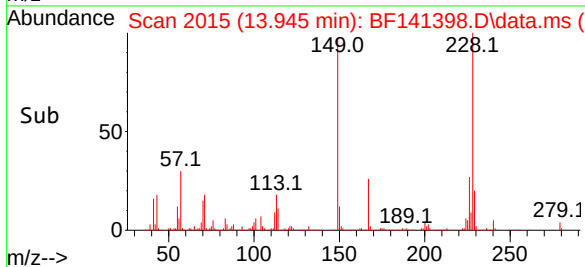
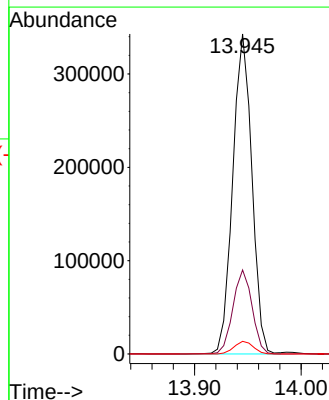
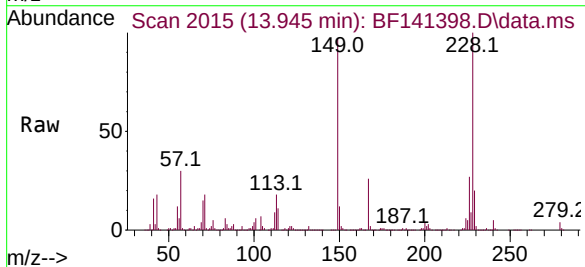
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

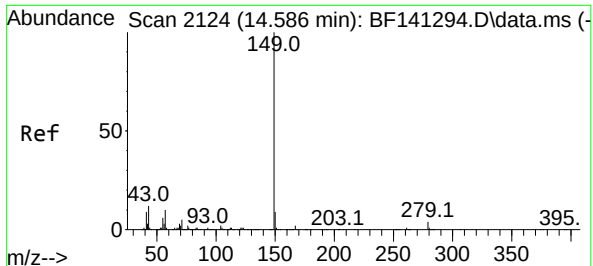
Tgt Ion:228 Resp: 597592
Ion Ratio Lower Upper
228 100
226 30.2 24.1 36.1
229 19.7 15.6 23.4



#84
Bis(2-ethylhexyl)phthalate
Concen: 42.781 ng
RT: 13.945 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:149 Resp: 428215
Ion Ratio Lower Upper
149 100
167 26.3 21.8 32.8
279 3.9 3.3 4.9

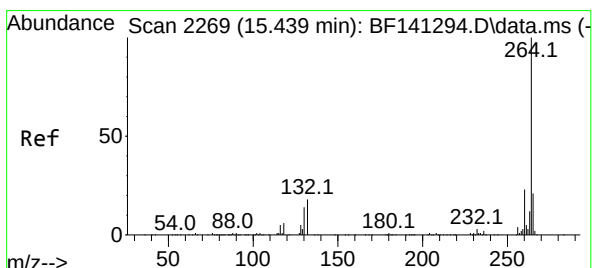
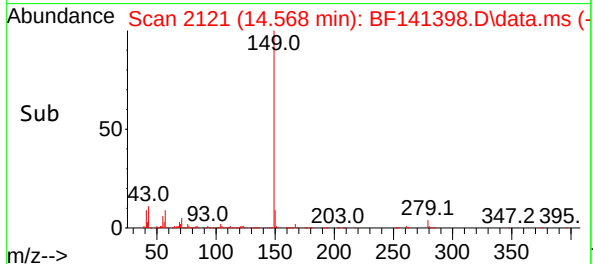
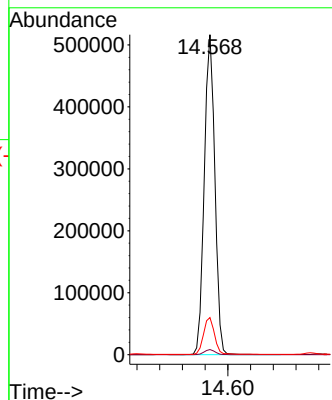
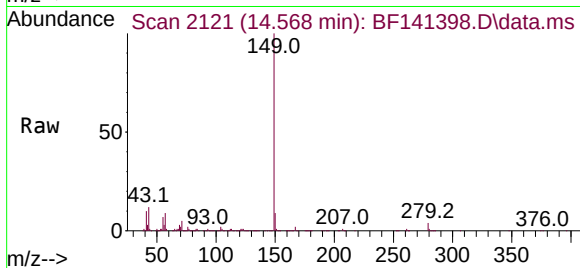




#85
Di-n-octyl phthalate
Concen: 42.840 ng
RT: 14.568 min Scan# 2121
Delta R.T. -0.018 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

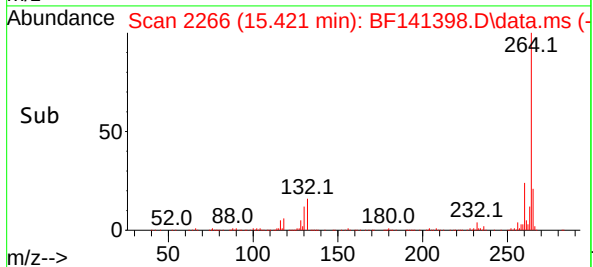
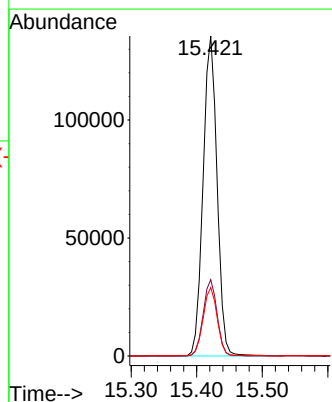
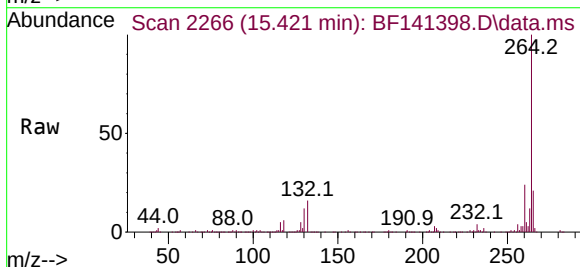
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

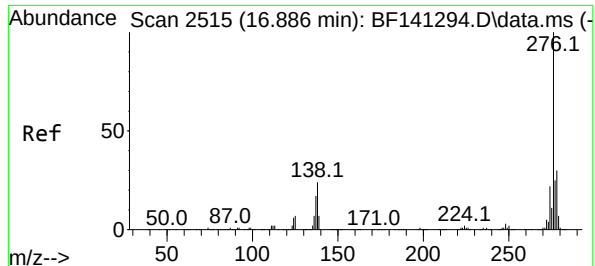
Tgt Ion:149 Resp: 666025
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 11.9 9.8 14.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2266
Delta R.T. -0.018 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:264 Resp: 201713
Ion Ratio Lower Upper
264 100
260 23.9 18.6 27.8
265 21.4 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 41.469 ng

RT: 16.868 min Scan# 2195

Delta R.T. -0.029 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

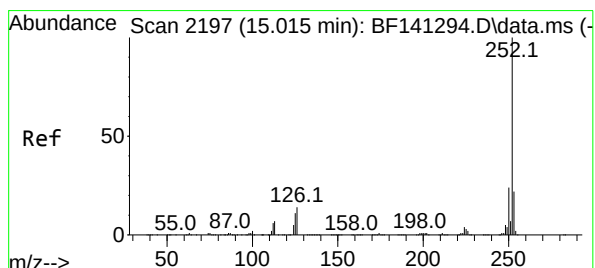
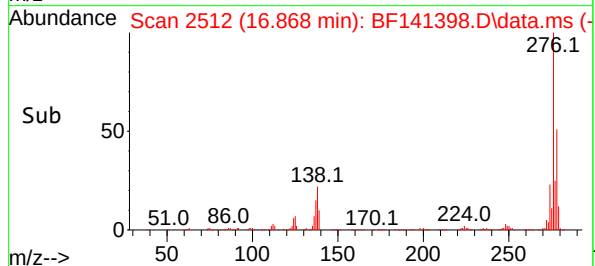
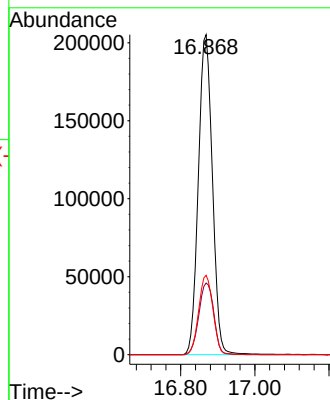
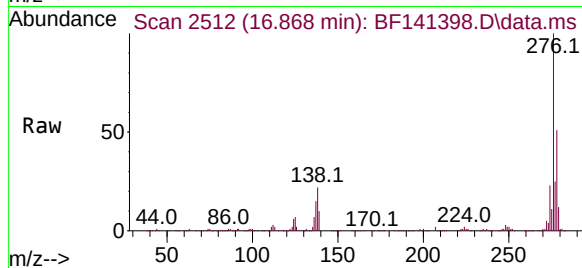
Tgt Ion:276 Resp: 539887

Ion Ratio Lower Upper

276 100

138 23.8 21.7 32.5

277 25.2 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 42.641 ng

RT: 15.004 min Scan# 2195

Delta R.T. -0.018 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

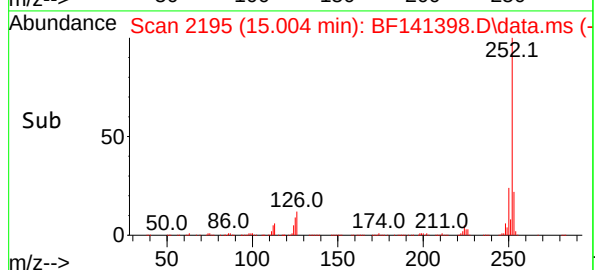
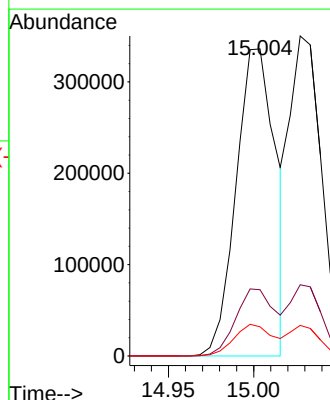
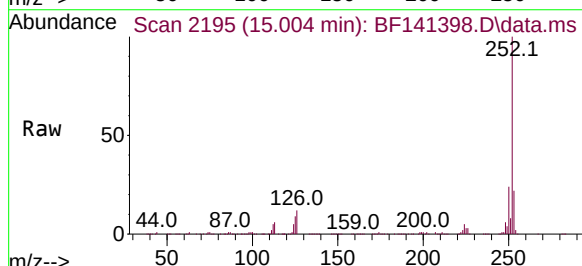
Tgt Ion:252 Resp: 541045

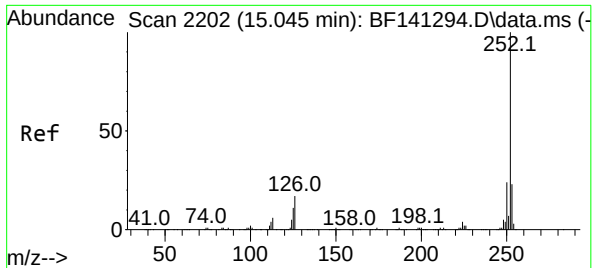
Ion Ratio Lower Upper

252 100

253 21.6 17.4 26.2

125 9.5 8.6 12.8





#89

Benzo(k)fluoranthene

Concen: 40.917 ng

RT: 15.027 min Scan# 2199

Delta R.T. -0.024 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

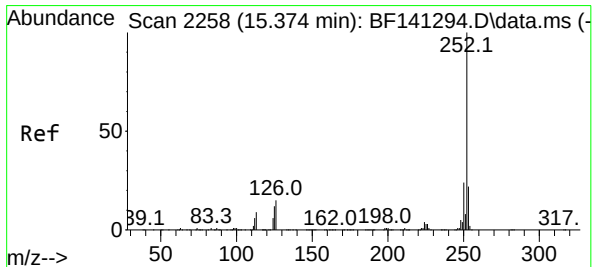
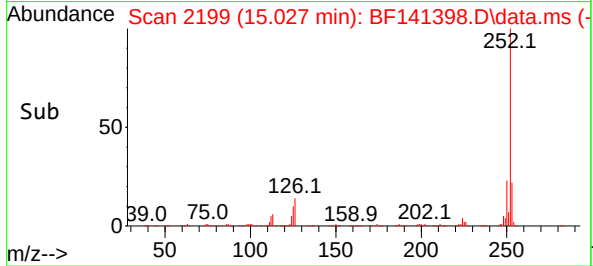
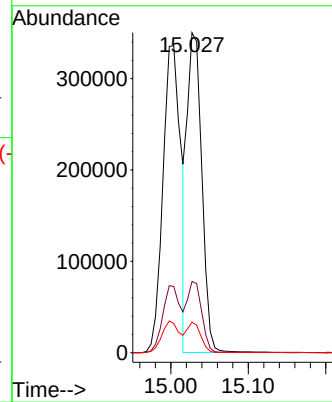
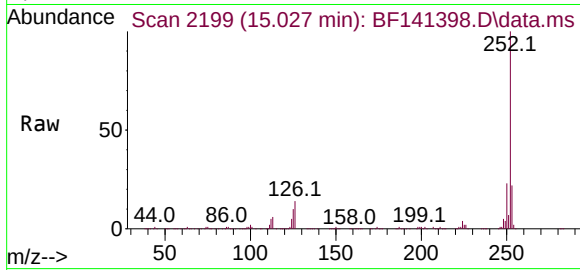
Tgt Ion:252 Resp: 459921

Ion Ratio Lower Upper

252 100

253 22.2 17.6 26.4

125 9.5 8.4 12.6



#90

Benzo(a)pyrene

Concen: 40.330 ng

RT: 15.363 min Scan# 2256

Delta R.T. -0.018 min

Lab File: BF141398.D

Acq: 04 Feb 2025 10:42

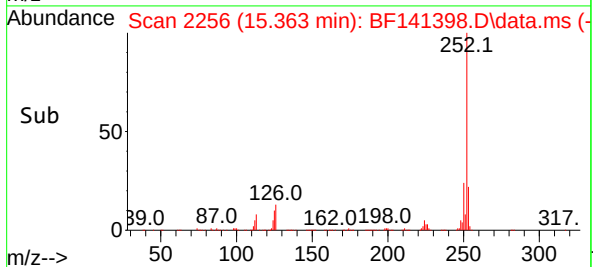
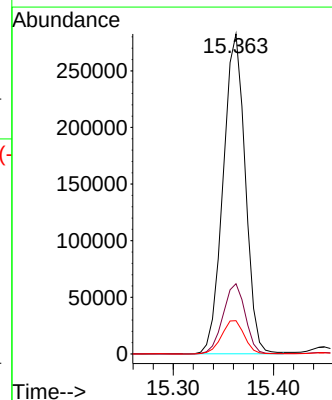
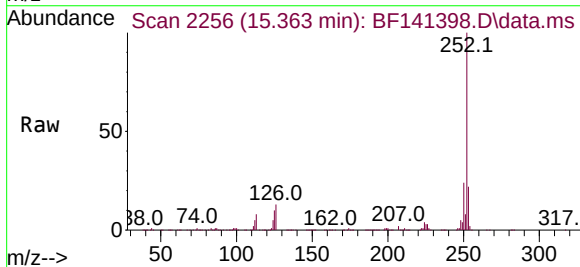
Tgt Ion:252 Resp: 432427

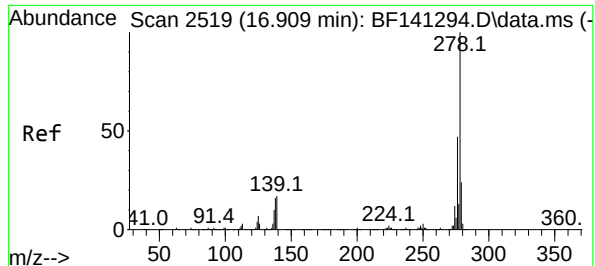
Ion Ratio Lower Upper

252 100

253 22.0 17.2 25.8

125 10.4 9.4 14.2

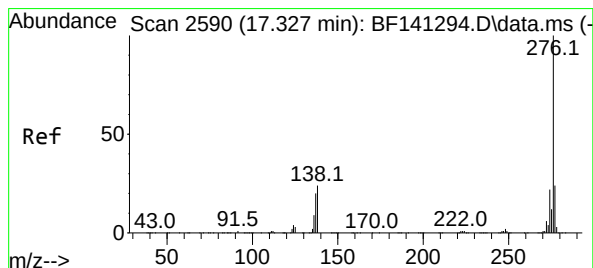
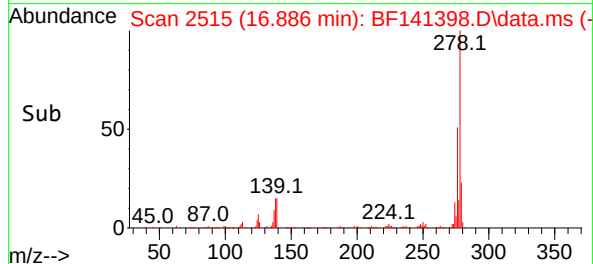
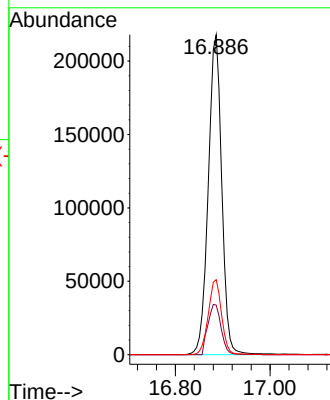
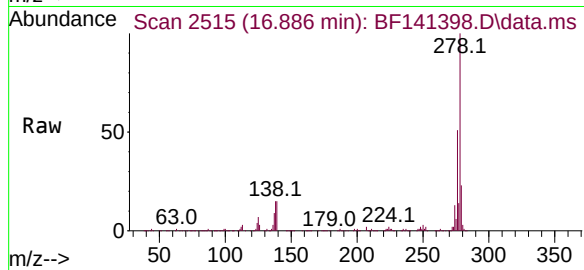




#91
Dibenzo(a,h)anthracene
Concen: 41.123 ng
RT: 16.886 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

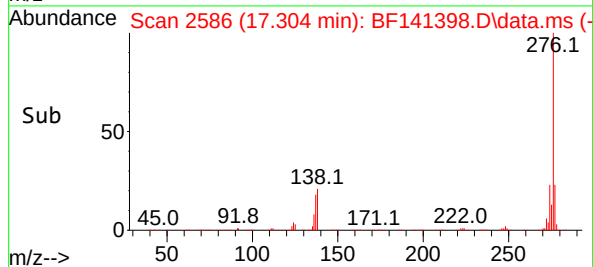
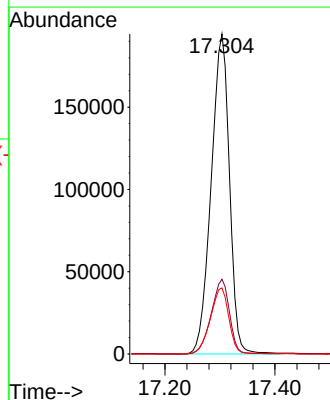
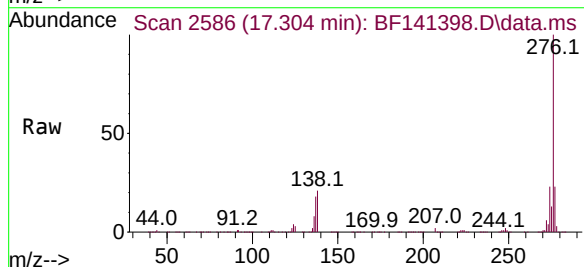
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 430740
Ion Ratio Lower Upper
278 100
139 15.5 13.9 20.9
279 23.4 18.8 28.2



#92
Benzo(g,h,i)perylene
Concen: 41.212 ng
RT: 17.304 min Scan# 2586
Delta R.T. -0.041 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:276 Resp: 448843
Ion Ratio Lower Upper
276 100
277 23.3 19.2 28.8
138 20.7 19.0 28.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
 Data File : BF141398.D
 Acq On : 04 Feb 2025 10:42
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Feb 04 11:34:05 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	64	-0.01
2	1,4-Dioxane	0.573	0.555	3.1	66	-0.05
3	Pyridine	1.380	1.270	8.0	62	-0.05
4	n-Nitrosodimethylamine	0.789	0.816	-3.4	70	-0.08
5 S	2-Fluorophenol	1.303	1.302	0.1	70	0.00
6	Aniline	1.403	1.258	10.3	59	-0.02
7 S	Phenol-d6	1.657	1.560	5.9	66	0.00
8	2-Chlorophenol	1.396	1.387	0.6	69	-0.01
9	Benzaldehyde	0.960	0.893	7.0	64	-0.01
10 C	Phenol	1.757	1.650	6.1	64	0.00
11	bis(2-Chloroethyl)ether	1.347	1.262	6.3	66	-0.02
12	1,3-Dichlorobenzene	1.540	1.501	2.5	67	-0.01
13 C	1,4-Dichlorobenzene	1.547	1.539	0.5	69	-0.01
14	1,2-Dichlorobenzene	1.448	1.438	0.7	69	-0.01
15	Benzyl Alcohol	1.133	1.165	-2.8	69	-0.01
16	2,2'-oxybis(1-Chloropropane	2.342	2.108	10.0	62	-0.01
17	2-Methylphenol	1.135	1.074	5.4	66	0.00
18	Hexachloroethane	0.571	0.583	-2.1	71	-0.01
19 P	n-Nitroso-di-n-propylamine	0.985	0.929	5.7	67	-0.02
20	3+4-Methylphenols	1.393	1.375	1.3	69	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	62	-0.01
22	Acetophenone	0.475	0.491	-3.4	70	-0.02
23 S	Nitrobenzene-d5	0.379	0.391	-3.2	69	-0.01
24	Nitrobenzene	0.393	0.398	-1.3	67	-0.02
25	Isophorone	0.656	0.643	2.0	65	-0.02
26 C	2-Nitrophenol	0.185	0.185	0.0	65	-0.01
27	2,4-Dimethylphenol	0.236	0.230	2.5	64	0.00
28	bis(2-Chloroethoxy)methane	0.418	0.403	3.6	64	-0.01
29 C	2,4-Dichlorophenol	0.289	0.296	-2.4	68	0.00
30	1,2,4-Trichlorobenzene	0.330	0.335	-1.5	69	-0.01
31	Naphthalene	1.057	1.061	-0.4	68	-0.01
32	Benzoic acid	0.217	0.229	-5.5	65	-0.04
33	4-Chloroaniline	0.358	0.347	3.1	64	0.00
34 C	Hexachlorobutadiene	0.194	0.208	-7.2	72	0.00
35	Caprolactam	0.094	0.093	1.1	65	-0.04
36 C	4-Chloro-3-methylphenol	0.310	0.325	-4.8	71	0.00
37	2-Methylnaphthalene	0.672	0.684	-1.8	68	-0.01
38	1-Methylnaphthalene	0.660	0.668	-1.2	69	-0.01
39 I	Acenaphthene-d10	1.000	1.000	0.0	64	-0.01
40	1,2,4,5-Tetrachlorobenzene	0.569	0.587	-3.2	70	-0.01
41 P	Hexachlorocyclopentadiene	0.168	0.185	-10.1	69	-0.01
42 S	2,4,6-Tribromophenol	0.183	0.202	-10.4	75	-0.01
43 C	2,4,6-Trichlorophenol	0.372	0.382	-2.7	67	0.00
44	2,4,5-Trichlorophenol	0.405	0.421	-4.0	71	0.00
45 S	2-Fluorobiphenyl	1.299	1.328	-2.2	72	-0.01
46	1,1'-Biphenyl	1.560	1.563	-0.2	69	-0.01
47	2-Chloronaphthalene	1.216	1.209	0.6	69	-0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
 Data File : BF141398.D
 Acq On : 04 Feb 2025 10:42
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Feb 04 11:34:05 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	2-Nitroaniline	0.382	0.390	-2.1	68	0.00
49	Acenaphthylene	1.702	1.717	-0.9	69	-0.01
50	Dimethylphthalate	1.351	1.371	-1.5	71	-0.01
51	2,6-Dinitrotoluene	0.314	0.321	-2.2	69	-0.01
52 C	Acenaphthene	1.216	1.256	-3.3	71	-0.01
53	3-Nitroaniline	0.307	0.321	-4.6	68	-0.01
54 P	2,4-Dinitrophenol	0.146	0.165	-13.0	71	-0.01
55	Dibenzofuran	1.627	1.669	-2.6	70	-0.01
56 P	4-Nitrophenol	0.225	0.257	-14.2	73	0.00
57	2,4-Dinitrotoluene	0.406	0.441	-8.6	73	-0.01
58	Fluorene	1.262	1.306	-3.5	71	-0.01
59	2,3,4,6-Tetrachlorophenol	0.319	0.341	-6.9	72	0.00
60	Diethylphthalate	1.310	1.374	-4.9	72	-0.02
61	4-Chlorophenyl-phenylether	0.617	0.648	-5.0	73	0.00
62	4-Nitroaniline	0.302	0.344	-13.9	76	-0.02
63	Azobenzene	1.311	1.319	-0.6	69	-0.01
64 I	Phenanthrene-d10	1.000	1.000	0.0	70	-0.01
65	4,6-Dinitro-2-methylphenol	0.118	0.137	-16.1	76	-0.01
66 c	n-Nitrosodiphenylamine	0.647	0.634	2.0	70	-0.01
67	4-Bromophenyl-phenylether	0.224	0.225	-0.4	72	-0.01
68	Hexachlorobenzene	0.238	0.243	-2.1	74	-0.01
69	Atrazine	0.216	0.214	0.9	70	-0.01
70 C	Pentachlorophenol	0.139	0.161	-15.8	78	0.00
71	Phenanthrene	1.075	1.109	-3.2	75	-0.01
72	Anthracene	1.053	1.092	-3.7	75	-0.01
73	Carbazole	0.934	1.028	-10.1	80	0.00
74	Di-n-butylphthalate	1.132	1.214	-7.2	78	-0.01
75 C	Fluoranthene	1.062	1.240	-16.8	85	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	90	-0.01
77	Benzidine	0.641	0.604	5.8	75	0.00
78	Pyrene	1.920	1.729	9.9	89	0.00
79 S	Terphenyl-d14	1.297	1.200	7.5	92	-0.01
80	Butylbenzylphthalate	0.671	0.691	-3.0	100	0.00
81	Benzo(a)anthracene	1.380	1.305	5.4	93	-0.01
82	3,3'-Dichlorobenzidine	0.439	0.412	6.2	89	-0.01
83	Chrysene	1.265	1.270	-0.4	101	-0.01
84	Bis(2-ethylhexyl)phthalate	0.851	0.910	-6.9	105	-0.01
85 c	Di-n-octyl phthalate	1.321	1.415	-7.1	104	-0.02
86 I	Perylene-d12	1.000	1.000	0.0	72	-0.02
87	Indeno(1,2,3-cd)pyrene	1.291	1.338	-3.6	77	-0.03
88	Benzo(b)fluoranthene	1.258	1.341	-6.6	86	-0.02
89	Benzo(k)fluoranthene	1.114	1.140	-2.3	76	-0.02
90 C	Benzo(a)pyrene	1.063	1.072	-0.8	77	-0.02
91	Dibenzo(a,h)anthracene	1.039	1.068	-2.8	76	-0.04
92	Benzo(g,h,i)perylene	1.080	1.113	-3.1	77	-0.04

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141398.D
Acq On : 04 Feb 2025 10:42
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 04 11:34:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
 Data File : BF141398.D
 Acq On : 04 Feb 2025 10:42
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Feb 04 11:34:05 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	64	-0.01
2	1,4-Dioxane	40.000	38.714	3.2	66	-0.05
3	Pyridine	40.000	36.803	8.0	62	-0.05
4	n-Nitrosodimethylamine	40.000	41.383	-3.5	70	-0.08
5 S	2-Fluorophenol	80.000	79.945	0.1	70	0.00
6	Aniline	40.000	35.876	10.3	59	-0.02
7 S	Phenol-d6	80.000	75.322	5.8	66	0.00
8	2-Chlorophenol	40.000	39.734	0.7	69	-0.01
9	Benzaldehyde	40.000	37.226	6.9	64	-0.01
10 C	Phenol	40.000	37.574	6.1	64	0.00
11	bis(2-Chloroethyl)ether	40.000	37.487	6.3	66	-0.02
12	1,3-Dichlorobenzene	40.000	39.009	2.5	67	-0.01
13 C	1,4-Dichlorobenzene	40.000	39.806	0.5	69	-0.01
14	1,2-Dichlorobenzene	40.000	39.708	0.7	69	-0.01
15	Benzyl Alcohol	40.000	41.142	-2.9	69	-0.01
16	2,2'-oxybis(1-Chloropropane	40.000	36.004	10.0	62	-0.01
17	2-Methylphenol	40.000	37.854	5.4	66	0.00
18	Hexachloroethane	40.000	40.842	-2.1	71	-0.01
19 P	n-Nitroso-di-n-propylamine	40.000	37.733	5.7	67	-0.02
20	3+4-Methylphenols	40.000	39.483	1.3	69	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	62	-0.01
22	Acetophenone	40.000	41.351	-3.4	70	-0.02
23 S	Nitrobenzene-d5	80.000	82.468	-3.1	69	-0.01
24	Nitrobenzene	40.000	40.497	-1.2	67	-0.02
25	Isophorone	40.000	39.213	2.0	65	-0.02
26 C	2-Nitrophenol	40.000	39.973	0.1	65	-0.01
27	2,4-Dimethylphenol	40.000	38.904	2.7	64	0.00
28	bis(2-Chloroethoxy)methane	40.000	38.495	3.8	64	-0.01
29 C	2,4-Dichlorophenol	40.000	41.025	-2.6	68	0.00
30	1,2,4-Trichlorobenzene	40.000	40.631	-1.6	69	-0.01
31	Naphthalene	40.000	40.155	-0.4	68	-0.01
32	Benzoic acid	40.000	42.292	-5.7	65	-0.04
33	4-Chloroaniline	40.000	38.783	3.0	64	0.00
34 C	Hexachlorobutadiene	40.000	42.897	-7.2	72	0.00
35	Caprolactam	40.000	39.634	0.9	65	-0.04
36 C	4-Chloro-3-methylphenol	40.000	42.000	-5.0	71	0.00
37	2-Methylnaphthalene	40.000	40.722	-1.8	68	-0.01
38	1-Methylnaphthalene	40.000	40.487	-1.2	69	-0.01
39 I	Acenaphthene-d10	20.000	20.000	0.0	64	-0.01
40	1,2,4,5-Tetrachlorobenzene	40.000	41.257	-3.1	70	-0.01
41 P	Hexachlorocyclopentadiene	40.000	43.974	-9.9	69	-0.01
42 S	2,4,6-Tribromophenol	80.000	88.147	-10.2	75	-0.01
43 C	2,4,6-Trichlorophenol	40.000	41.007	-2.5	67	0.00
44	2,4,5-Trichlorophenol	40.000	41.577	-3.9	71	0.00
45 S	2-Fluorobiphenyl	80.000	81.771	-2.2	72	-0.01
46	1,1'-Biphenyl	40.000	40.089	-0.2	69	-0.01
47	2-Chloronaphthalene	40.000	39.785	0.5	69	-0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
 Data File : BF141398.D
 Acq On : 04 Feb 2025 10:42
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Feb 04 11:34:05 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	40.764	-1.9	68	0.00
49	Acenaphthylene	40.000	40.360	-0.9	69	-0.01
50	Dimethylphthalate	40.000	40.604	-1.5	71	-0.01
51	2,6-Dinitrotoluene	40.000	40.929	-2.3	69	-0.01
52 C	Acenaphthene	40.000	41.328	-3.3	71	-0.01
53	3-Nitroaniline	40.000	41.746	-4.4	68	-0.01
54 P	2,4-Dinitrophenol	40.000	45.240	-13.1	71	-0.01
55	Dibenzofuran	40.000	41.022	-2.6	70	-0.01
56 P	4-Nitrophenol	40.000	45.798	-14.5	73	0.00
57	2,4-Dinitrotoluene	40.000	43.471	-8.7	73	-0.01
58	Fluorene	40.000	41.395	-3.5	71	-0.01
59	2,3,4,6-Tetrachlorophenol	40.000	42.803	-7.0	72	0.00
60	Diethylphthalate	40.000	41.956	-4.9	72	-0.02
61	4-Chlorophenyl-phenylether	40.000	42.037	-5.1	73	0.00
62	4-Nitroaniline	40.000	45.468	-13.7	76	-0.02
63	Azobenzene	40.000	40.234	-0.6	69	-0.01
64 I	Phenanthrene-d10	20.000	20.000	0.0	70	-0.01
65	4,6-Dinitro-2-methylphenol	40.000	46.476	-16.2	76	-0.01
66 c	n-Nitrosodiphenylamine	40.000	39.195	2.0	70	-0.01
67	4-Bromophenyl-phenylether	40.000	40.154	-0.4	72	-0.01
68	Hexachlorobenzene	40.000	40.974	-2.4	74	-0.01
69	Atrazine	40.000	39.568	1.1	70	-0.01
70 C	Pentachlorophenol	40.000	46.366	-15.9	78	0.00
71	Phenanthrene	40.000	41.259	-3.1	75	-0.01
72	Anthracene	40.000	41.470	-3.7	75	-0.01
73	Carbazole	40.000	44.044	-10.1	80	0.00
74	Di-n-butylphthalate	40.000	42.899	-7.2	78	-0.01
75 C	Fluoranthene	40.000	46.710	-16.8	85	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	90	-0.01
77	Benzidine	40.000	37.710	5.7	75	0.00
78	Pyrene	40.000	36.018	10.0	89	0.00
79 S	Terphenyl-d14	80.000	74.022	7.5	92	-0.01
80	Butylbenzylphthalate	40.000	41.239	-3.1	100	0.00
81	Benzo(a)anthracene	40.000	37.824	5.4	93	-0.01
82	3,3'-Dichlorobenzidine	40.000	37.529	6.2	89	-0.01
83	Chrysene	40.000	40.160	-0.4	101	-0.01
84	Bis(2-ethylhexyl)phthalate	40.000	42.781	-7.0	105	-0.01
85 c	Di-n-octyl phthalate	40.000	42.840	-7.1	104	-0.02
86 I	Perylene-d12	20.000	20.000	0.0	72	-0.02
87	Indeno(1,2,3-cd)pyrene	40.000	41.469	-3.7	77	-0.03
88	Benzo(b)fluoranthene	40.000	42.641	-6.6	86	-0.02
89	Benzo(k)fluoranthene	40.000	40.917	-2.3	76	-0.02
90 C	Benzo(a)pyrene	40.000	40.330	-0.8	77	-0.02
91	Dibenzo(a,h)anthracene	40.000	41.123	-2.8	76	-0.04
92	Benzo(g,h,i)perylene	40.000	41.212	-3.0	77	-0.04

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141398.D
Acq On : 04 Feb 2025 10:42
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 04 11:34:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range

SPCC's out = 0 CCC's out = 0



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG No.: Q1194

Instrument ID: BNA_F Calibration Date/Time: 02/04/2025 15:58

Lab File ID: BF141410.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 17:05

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.303	1.284		-1.5	
Benzaldehyde	0.960	1.013		5.5	
Phenol-d6	1.657	1.572		-5.1	
Phenol	1.757	1.636		-6.9	20.0
bis(2-Chloroethyl)ether	1.347	1.259		-6.5	
2-Chlorophenol	1.396	1.368		-2.0	
2-Methylphenol	1.135	1.080		-4.8	
2,2-oxybis(1-Chloropropane)	2.342	2.088		-10.8	
Acetophenone	0.475	0.494		4.0	
3+4-Methylphenols	1.393	1.396		0.2	
n-Nitroso-di-n-propylamine	0.985	0.944	0.050	-4.2	
Nitrobenzene-d5	0.379	0.388		2.4	
Hexachloroethane	0.571	0.577		1.1	
Nitrobenzene	0.393	0.393		0.0	
Isophorone	0.656	0.640		-2.4	
2-Nitrophenol	0.185	0.192		3.8	20.0
2,4-Dimethylphenol	0.236	0.228		-3.4	
bis(2-Chloroethoxy)methane	0.418	0.398		-4.8	
2,4-Dichlorophenol	0.289	0.292		1.0	20.0
Naphthalene	1.057	1.049		-0.8	
4-Chloroaniline	0.358	0.319		-10.9	
Hexachlorobutadiene	0.194	0.208		7.2	20.0
Caprolactam	0.094	0.093		-1.1	
4-Chloro-3-methylphenol	0.310	0.319		2.9	20.0
2-Methylnaphthalene	0.672	0.673		0.1	
Hexachlorocyclopentadiene	0.168	0.185	0.050	10.1	
2,4,6-Trichlorophenol	0.372	0.385		3.5	20.0
2-Fluorobiphenyl	1.299	1.327		2.2	
2,4,5-Trichlorophenol	0.405	0.420		3.7	
1,1-Biphenyl	1.560	1.554		-0.4	
2-Chloronaphthalene	1.216	1.203		-1.1	
2-Nitroaniline	0.382	0.396		3.7	
Dimethylphthalate	1.351	1.359		0.6	
Acenaphthylene	1.702	1.720		1.1	
2,6-Dinitrotoluene	0.314	0.322		2.5	
3-Nitroaniline	0.307	0.312		1.6	
Acenaphthene	1.216	1.251		2.9	20.0
2,4-Dinitrophenol	0.146	0.175	0.050	19.9	
4-Nitrophenol	0.225	0.248	0.050	10.2	



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.: Q1194 SAS No.: Q1194 SDG No.: Q1194

Instrument ID: BNA_F Calibration Date/Time: 02/04/2025 15:58

Lab File ID: BF141410.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 17:05

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.627	1.657		1.8	
2,4-Dinitrotoluene	0.406	0.439		8.1	
Diethylphthalate	1.310	1.369		4.5	
4-Chlorophenyl-phenylether	0.617	0.644		4.4	
Fluorene	1.262	1.315		4.2	
4-Nitroaniline	0.302	0.342		13.2	
4,6-Dinitro-2-methylphenol	0.118	0.142		20.3	
n-Nitrosodiphenylamine	0.647	0.643		-0.6	20.0
2,4,6-Tribromophenol	0.183	0.206		12.6	
4-Bromophenyl-phenylether	0.224	0.229		2.2	
Hexachlorobenzene	0.238	0.248		4.2	
Atrazine	0.216	0.211		-2.3	
Pentachlorophenol	0.139	0.158		13.7	20.0
Phenanthrene	1.075	1.113		3.5	
Anthracene	1.053	1.102		4.7	
Carbazole	0.934	1.020		9.2	
Di-n-butylphthalate	1.132	1.231		8.7	
Fluoranthene	1.062	1.232		16.0	20.0
Pyrene	1.920	1.732		-9.8	
Terphenyl-d14	1.297	1.228		-5.3	
Butylbenzylphthalate	0.671	0.671		0.0	
3,3-Dichlorobenzidine	0.439	0.410		-6.6	
Benzo (a) anthracene	1.380	1.278		-7.4	
Chrysene	1.265	1.238		-2.1	
Bis(2-ethylhexyl)phthalate	0.851	0.877		3.1	
Di-n-octyl phthalate	1.321	1.327		0.5	20.0
Benzo (b) fluoranthene	1.258	1.276		1.4	
Benzo (k) fluoranthene	1.114	1.215		9.1	
Benzo (a) pyrene	1.063	1.092		2.7	20.0
Indeno (1,2,3-cd) pyrene	1.291	1.304		1.0	
Dibenzo (a,h) anthracene	1.039	1.055		1.5	
Benzo (g,h,i) perylene	1.080	1.076		-0.4	
1,2,4,5-Tetrachlorobenzene	0.569	0.587		3.2	
1,4-Dioxane	0.573	0.535		-6.6	20.0
2,3,4,6-Tetrachlorophenol	0.319	0.336		5.3	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
 Data File : BF141410.D
 Acq On : 04 Feb 2025 15:58
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Feb 04 17:19:20 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	89972	20.000	ng	-0.01
21) Naphthalene-d8	8.075	136	349697	20.000	ng	#-0.01
39) Acenaphthene-d10	9.828	164	187729	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	325046	20.000	ng	-0.01
76) Chrysene-d12	13.963	240	235785	20.000	ng	#-0.01
86) Perylene-d12	15.421	264	203742	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	461991	78.830	ng	0.00
7) Phenol-d6	6.434	99	565803	75.891	ng	0.00
23) Nitrobenzene-d5	7.357	82	542962	81.851	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	154436	89.734	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	996571	81.709	ng	-0.01
79) Terphenyl-d14	12.904	244	1157717	75.722	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	2.452	88	96236	37.338	ng	98
3) Pyridine	3.175	79	227442	36.624	ng	95
4) n-Nitrosodimethylamine	3.134	42	148075m	41.739	ng	
6) Aniline	6.451	93	231086	36.617	ng	# 24
8) 2-Chlorophenol	6.581	128	246203	39.195	ng	97
9) Benzaldehyde	6.340	77	182303	42.215	ng	99
10) Phenol	6.445	94	294371	37.247	ng	# 67
11) bis(2-Chloroethyl)ether	6.528	93	226600	37.395	ng	98
12) 1,3-Dichlorobenzene	6.728	146	275749	39.813	ng	99
13) 1,4-Dichlorobenzene	6.810	146	279491	40.169	ng	99
14) 1,2-Dichlorobenzene	6.963	146	260169	39.932	ng	98
15) Benzyl Alcohol	6.934	79	212366	41.681	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.069	45	375805	35.664	ng	81
17) 2-Methylphenol	7.057	107	194281	38.055	ng	# 91
18) Hexachloroethane	7.304	117	103872	40.467	ng	95
19) n-Nitroso-di-n-propyla...	7.204	70	169782	38.325	ng	99
20) 3+4-Methylphenols	7.204	107	251134	40.064	ng	91
22) Acetophenone	7.198	105	345559	41.572	ng	# 98
24) Nitrobenzene	7.375	77	275017	40.006	ng	100
25) Isophorone	7.610	82	447558	39.031	ng	98
26) 2-Nitrophenol	7.692	139	134199	41.393	ng	98
27) 2,4-Dimethylphenol	7.734	122	159583m	38.672	ng	
28) bis(2-Chloroethoxy)met...	7.822	93	278158	38.030	ng	98
29) 2,4-Dichlorophenol	7.939	162	204485	40.477	ng	99
30) 1,2,4-Trichlorobenzene	8.016	180	235617	40.839	ng	99
31) Naphthalene	8.098	128	733327	39.696	ng	99
32) Benzoic acid	7.851	122	160931	42.423	ng	95
33) 4-Chloroaniline	8.145	127	222768	35.561	ng	99
34) Hexachlorobutadiene	8.210	225	145800	43.093	ng	99
35) Caprolactam	8.516	113	65085	39.448	ng	96
36) 4-Chloro-3-methylphenol	8.633	107	223256	41.200	ng	95
37) 2-Methylnaphthalene	8.786	142	471006	40.115	ng	100
38) 1-Methylnaphthalene	8.886	142	459817	39.867	ng	99
40) 1,2,4,5-Tetrachloroben...	8.951	216	220482	41.284	ng	100
41) Hexachlorocyclopentadiene	8.939	237	69619	44.139	ng	98
43) 2,4,6-Trichlorophenol	9.069	196	144492	41.335	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
 Data File : BF141410.D
 Acq On : 04 Feb 2025 15:58
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Feb 04 17:19:20 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

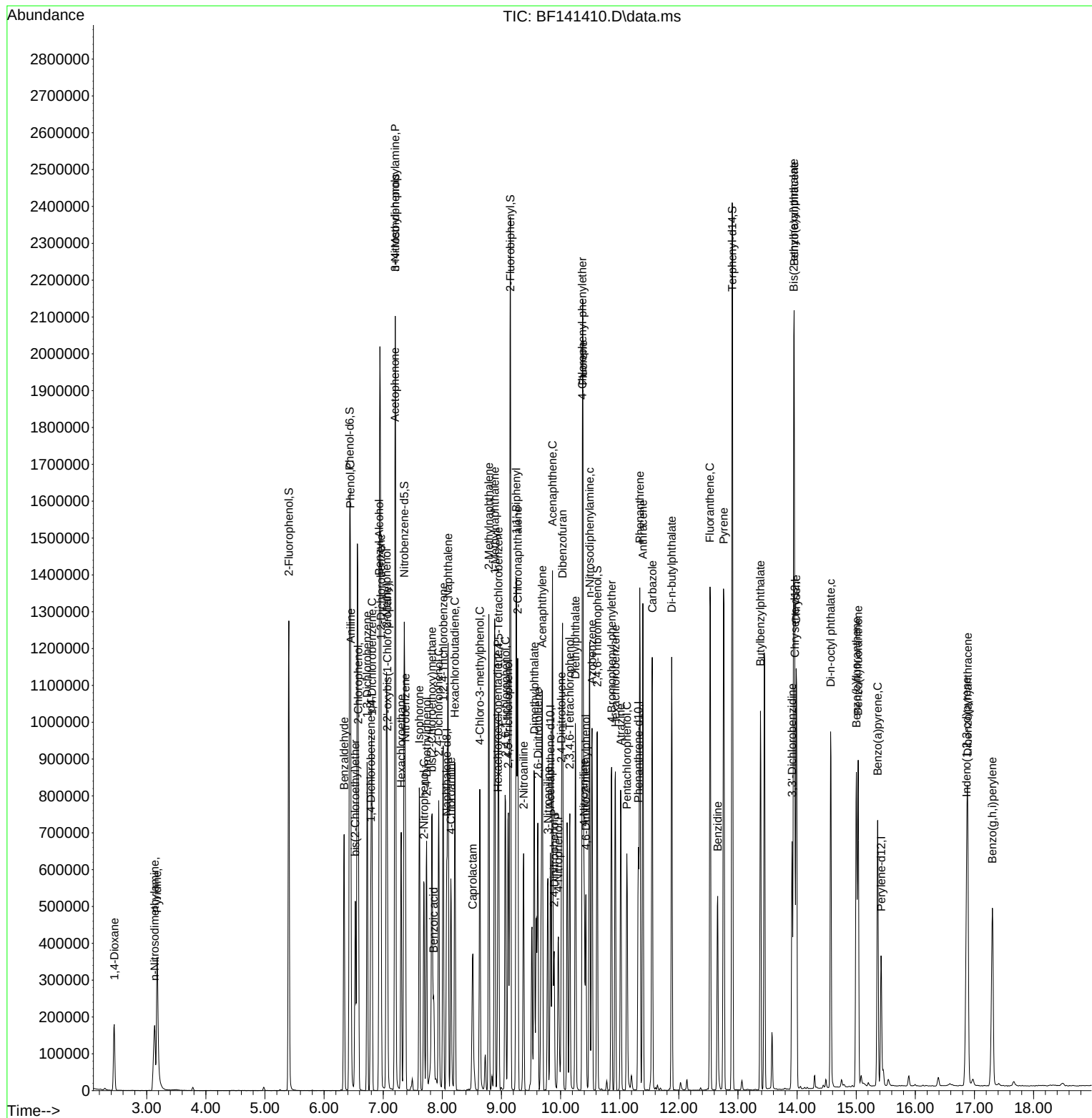
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.116	196	157526	41.404	ng	100
46) 1,1'-Biphenyl	9.251	154	583575	39.860	ng	98
47) 2-Chloronaphthalene	9.275	162	451544	39.569	ng	99
48) 2-Nitroaniline	9.375	65	148678	41.421	ng	98
49) Acenaphthylene	9.692	152	645795	40.428	ng	100
50) Dimethylphthalate	9.557	163	510098	40.231	ng	100
51) 2,6-Dinitrotoluene	9.616	165	120960	41.088	ng	99
52) Acenaphthene	9.863	154	469576	41.148	ng	98
53) 3-Nitroaniline	9.786	138	117193	40.616	ng	99
54) 2,4-Dinitrophenol	9.892	184	65781	48.068	ng	93
55) Dibenzofuran	10.033	168	622267	40.736	ng	98
56) 4-Nitrophenol	9.963	139	93228	44.180	ng	92
57) 2,4-Dinitrotoluene	10.016	165	164833	43.245	ng	96
58) Fluorene	10.380	166	493864	41.680	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.157	232	126118	42.135	ng	96
60) Diethylphthalate	10.251	149	514014	41.811	ng	99
61) 4-Chlorophenyl-phenyle...	10.369	204	241686	41.757	ng	97
62) 4-Nitroaniline	10.398	138	128297	45.227	ng	91
63) Azobenzene	10.533	77	490065	39.824	ng	98
65) 4,6-Dinitro-2-methylph...	10.428	198	92244	47.978	ng	98
66) n-Nitrosodiphenylamine	10.492	169	417972	39.757	ng	99
67) 4-Bromophenyl-phenylether	10.863	248	148831	40.899	ng	99
68) Hexachlorobenzene	10.927	284	160903	41.684	ng	98
69) Atrazine	11.016	200	137337	39.071	ng	99
70) Pentachlorophenol	11.122	266	102619	45.399	ng	98
71) Phenanthrene	11.339	178	723529	41.409	ng	100
72) Anthracene	11.392	178	716469	41.850	ng	100
73) Carbazole	11.551	167	662834	43.663	ng	99
74) Di-n-butylphthalate	11.880	149	800193	43.495	ng	99
75) Fluoranthene	12.527	202	801222	46.442	ng	98
77) Benzidine	12.657	184	300130	39.706	ng	99
78) Pyrene	12.757	202	816862	36.091	ng	100
80) Butylbenzylphthalate	13.380	149	316309	40.003	ng	99
81) Benzo(a)anthracene	13.951	228	602639	37.039	ng	99
82) 3,3'-Dichlorobenzidine	13.916	252	193238	37.342	ng	99
83) Chrysene	13.986	228	583785	39.150	ng	100
84) Bis(2-ethylhexyl)phtha...	13.945	149	413503	41.225	ng	99
85) Di-n-octyl phthalate	14.568	149	625670	40.161	ng	99
87) Indeno(1,2,3-cd)pyrene	16.868	276	531435	40.413	ng	96
88) Benzo(b)fluoranthene	15.004	252	519917	40.568	ng	98
89) Benzo(k)fluoranthene	15.033	252	495242	43.621	ng	98
90) Benzo(a)pyrene	15.362	252	444854	41.076	ng	98
91) Dibenzo(a,h)anthracene	16.886	278	430043	40.648	ng	97
92) Benzo(g,h,i)perylene	17.304	276	438392	39.851	ng	95

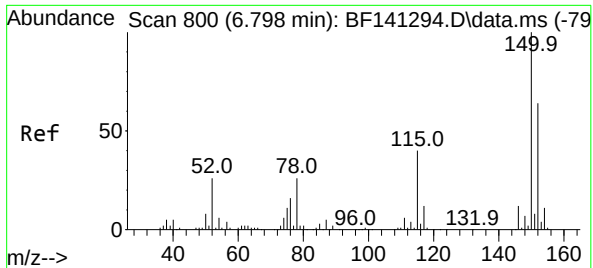
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
 Data File : BF141410.D
 Acq On : 04 Feb 2025 15:58
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Feb 04 17:19:20 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

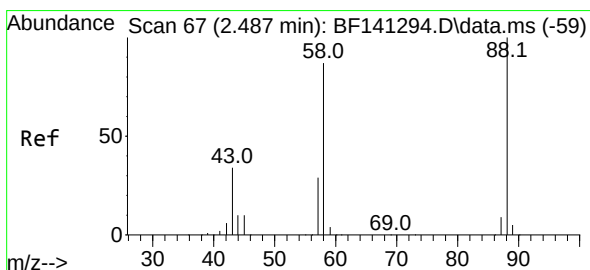
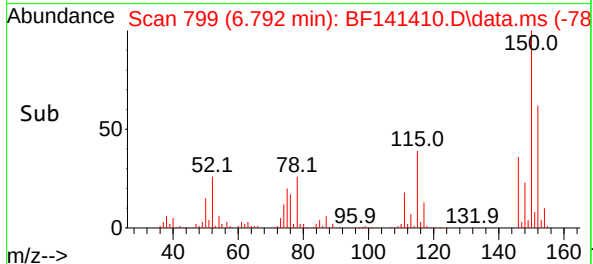
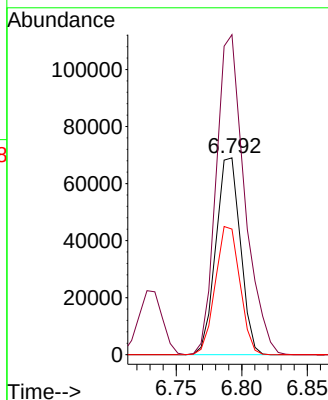
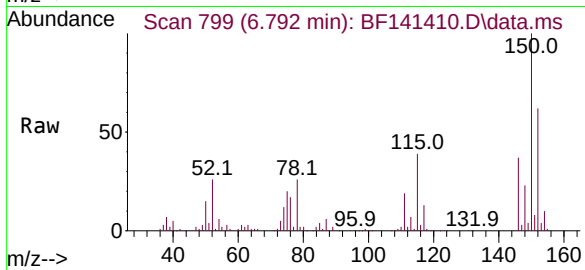




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.792 min Scan# 79
 Delta R.T. -0.012 min
 Lab File: BF141410.D
 Acq: 04 Feb 2025 15:58

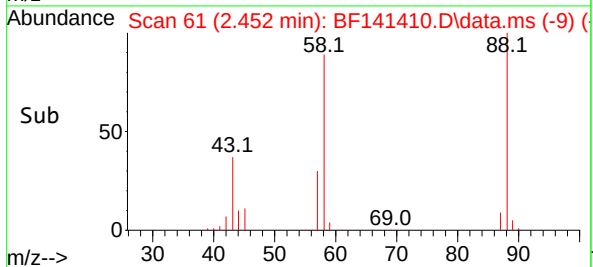
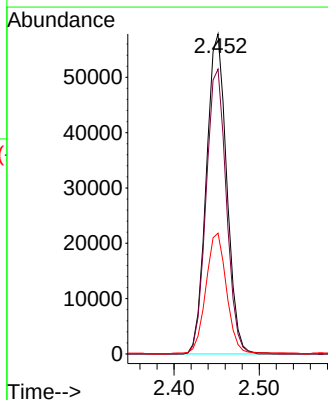
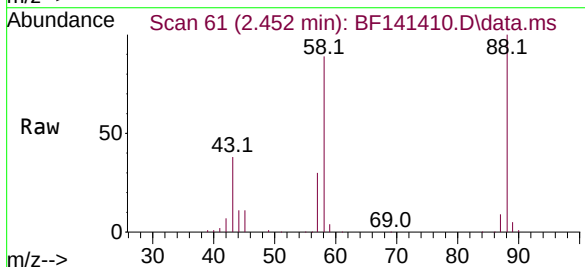
Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

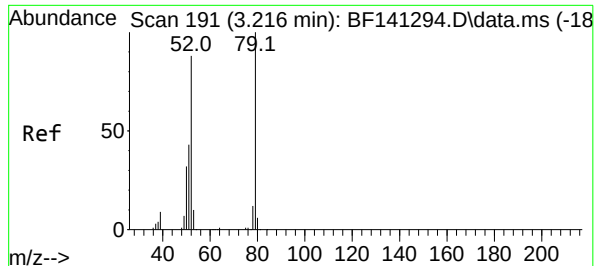
Tgt Ion:152 Resp: 89972
 Ion Ratio Lower Upper
 152 100
 150 162.5 125.9 188.9
 115 63.8 49.7 74.5



#2
 1,4-Dioxane
 Concen: 37.338 ng
 RT: 2.452 min Scan# 61
 Delta R.T. -0.041 min
 Lab File: BF141410.D
 Acq: 04 Feb 2025 15:58

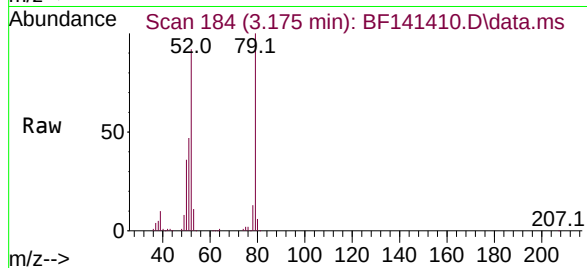
Tgt Ion: 88 Resp: 96236
 Ion Ratio Lower Upper
 88 100
 58 88.3 70.2 105.4
 43 38.6 27.6 41.4



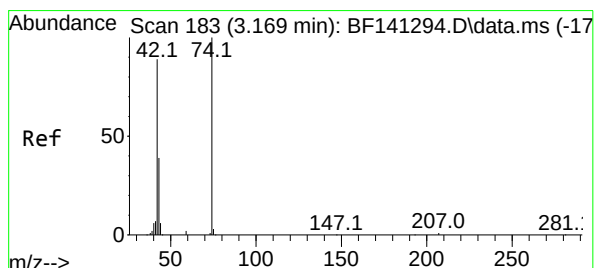
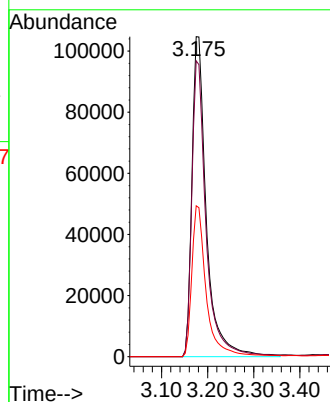
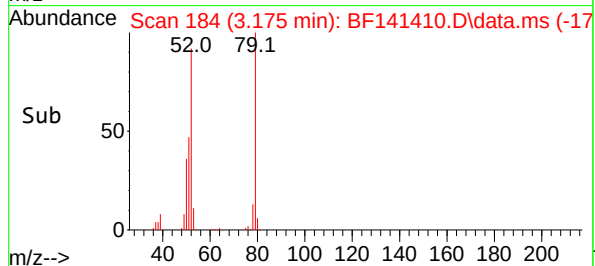


#3
Pyridine
Concen: 36.624 ng
RT: 3.175 min Scan# 11
Delta R.T. -0.053 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

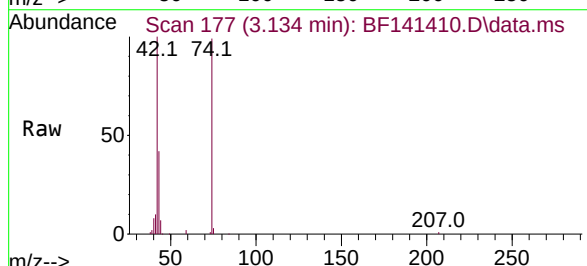
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



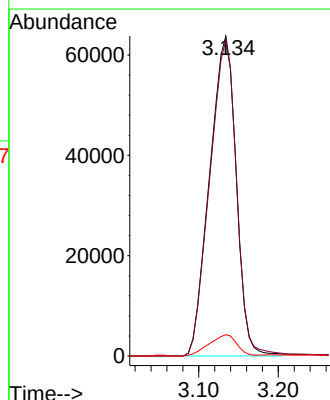
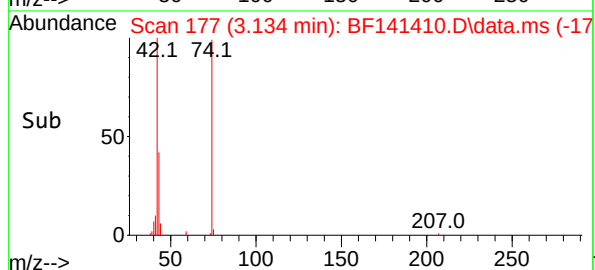
Tgt Ion: 79 Resp: 227442
Ion Ratio Lower Upper
79 100
52 92.5 70.3 105.5
51 47.1 34.3 51.5

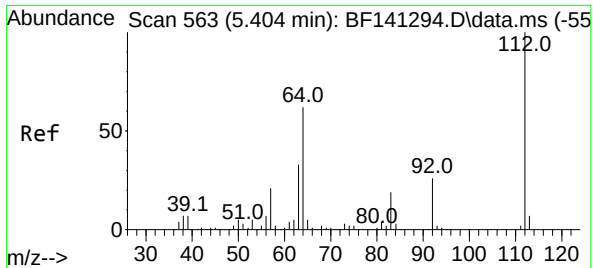


#4
n-Nitrosodimethylamine
Concen: 41.739 ng m
RT: 3.134 min Scan# 177
Delta R.T. -0.065 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58



Tgt Ion: 42 Resp: 148075
Ion Ratio Lower Upper
42 100
74 98.8 90.3 135.5
44 6.7 5.7 8.5

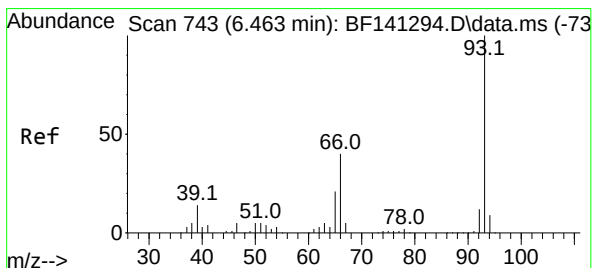
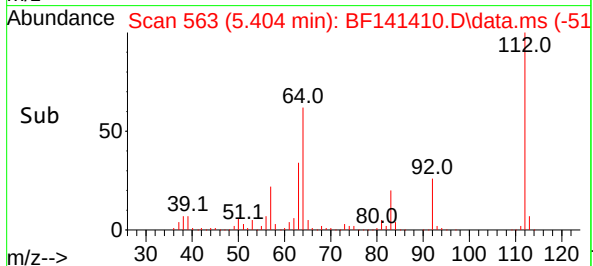
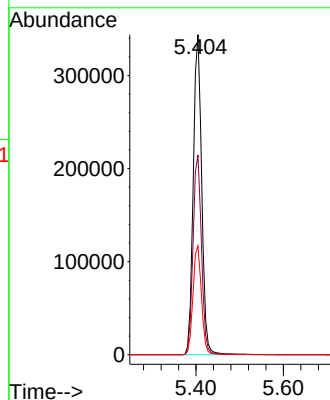
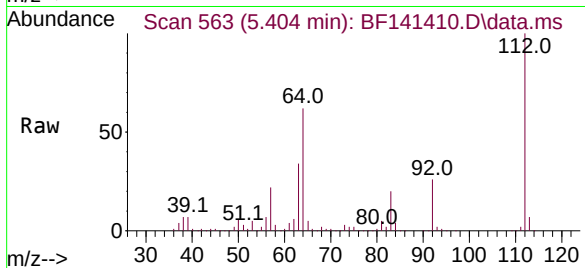




#5
2-Fluorophenol
Concen: 78.830 ng
RT: 5.404 min Scan# 501
Delta R.T. -0.006 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

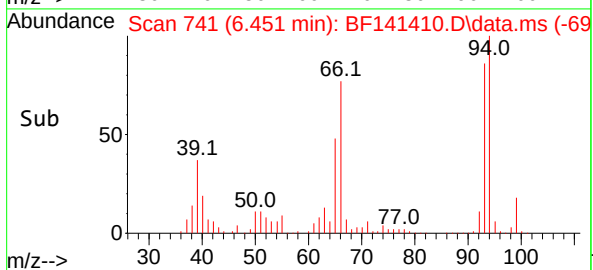
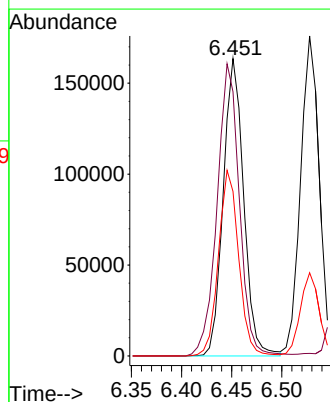
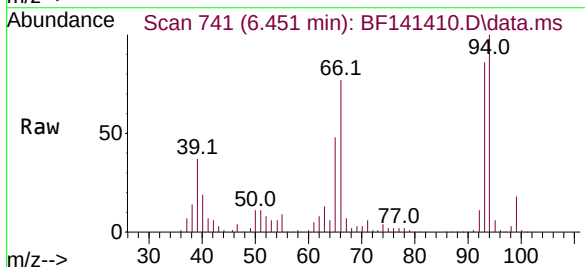
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

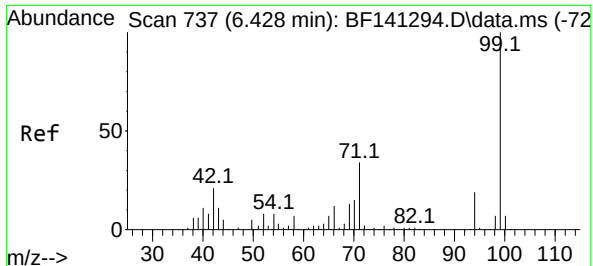
Tgt Ion:112 Resp: 461991
Ion Ratio Lower Upper
112 100
64 62.4 49.8 74.8
63 34.0 26.1 39.1



#6
Aniline
Concen: 36.617 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.018 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion: 93 Resp: 231086
Ion Ratio Lower Upper
93 100
66 88.8 32.5 48.7#
65 55.3 17.0 25.6#

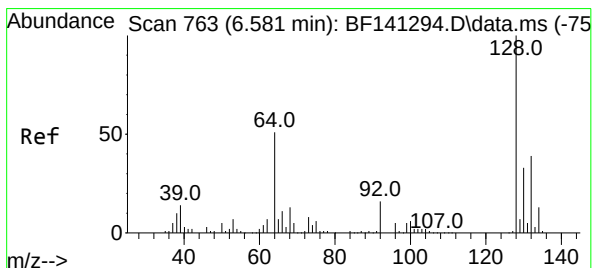
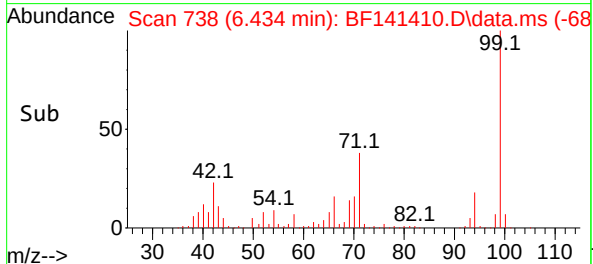
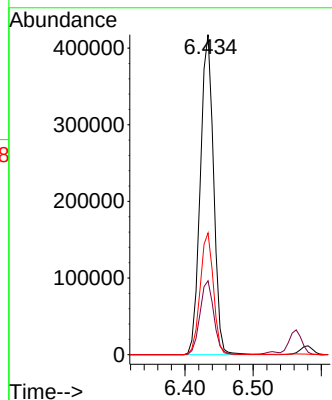
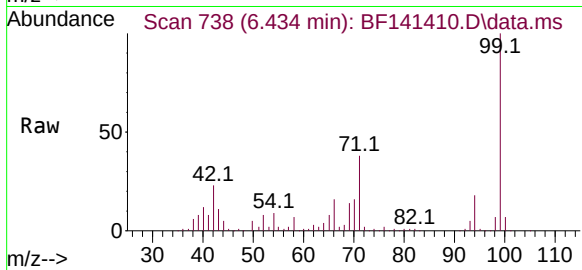




#7
Phenol-d6
Concen: 75.891 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

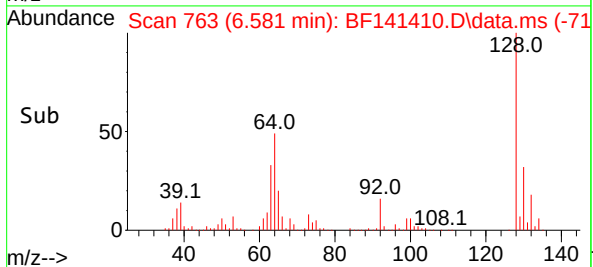
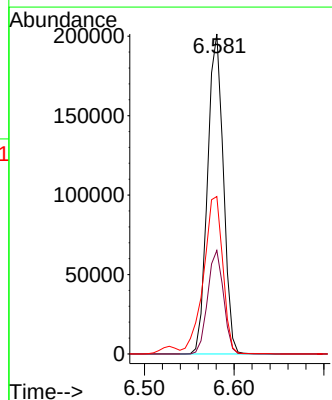
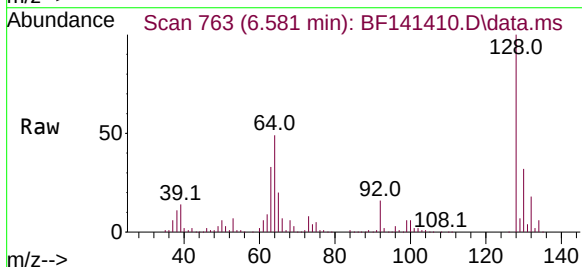
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

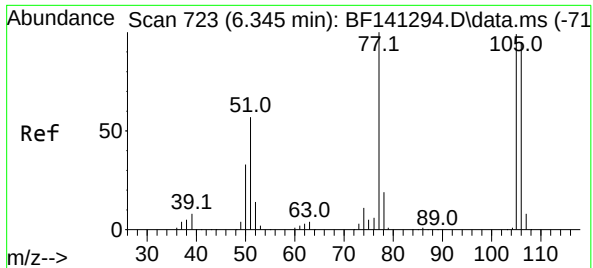
Tgt Ion: 99 Resp: 565803
Ion Ratio Lower Upper
99 100
42 23.1 17.1 25.7
71 38.0 26.9 40.3



#8
2-Chlorophenol
Concen: 39.195 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion: 128 Resp: 246203
Ion Ratio Lower Upper
128 100
130 32.3 12.5 52.5
64 49.2 32.9 72.9

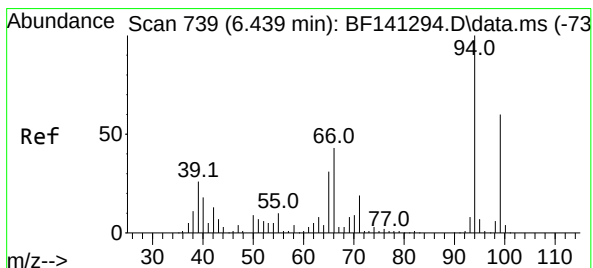
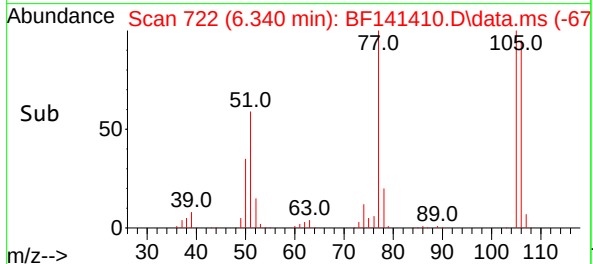
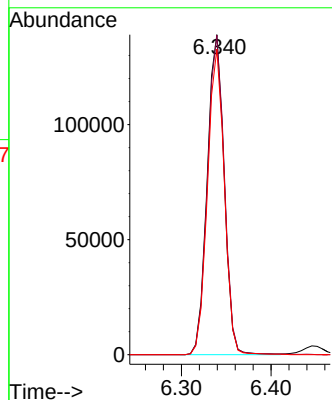
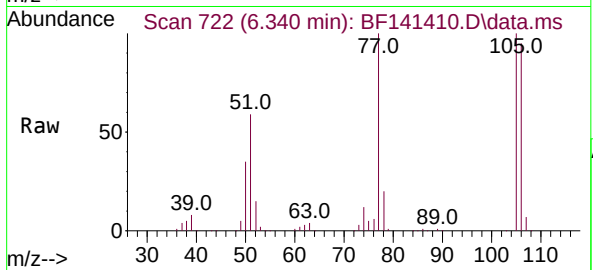




#9
Benzaldehyde
Concen: 42.215 ng
RT: 6.340 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

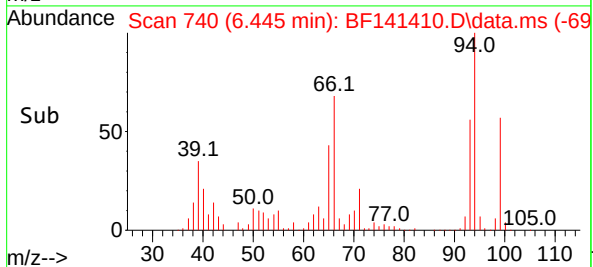
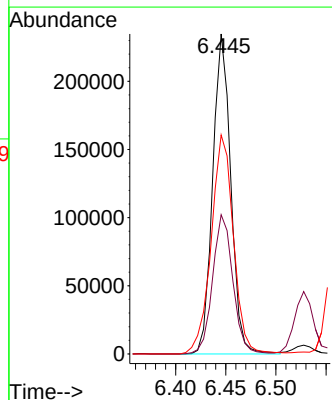
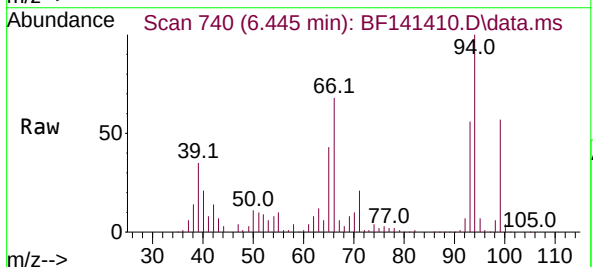
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

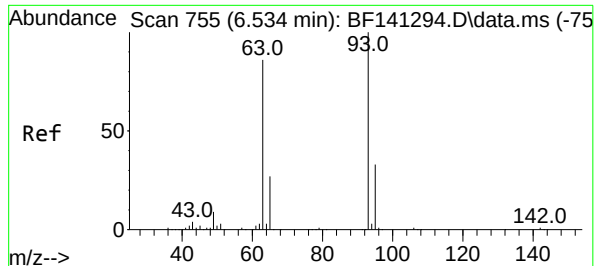
Tgt Ion: 77 Resp: 182303
Ion Ratio Lower Upper
77 100
105 99.8 79.4 119.4
106 95.4 74.6 114.6



#10
Phenol
Concen: 37.247 ng
RT: 6.445 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion: 94 Resp: 294371
Ion Ratio Lower Upper
94 100
65 43.5 10.8 50.8
66 68.5 23.3 63.3#

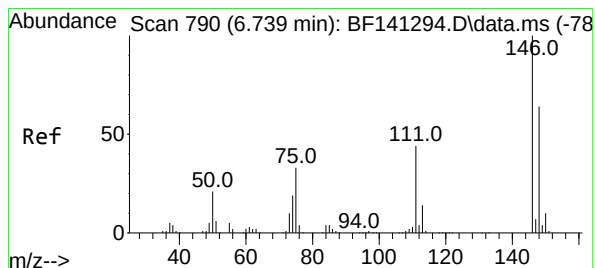
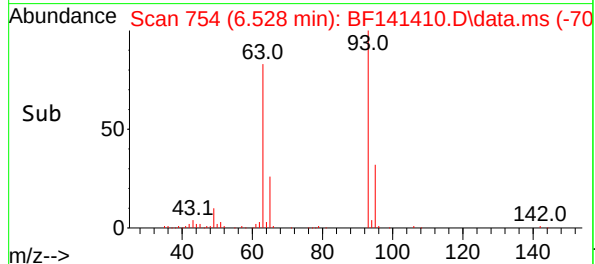
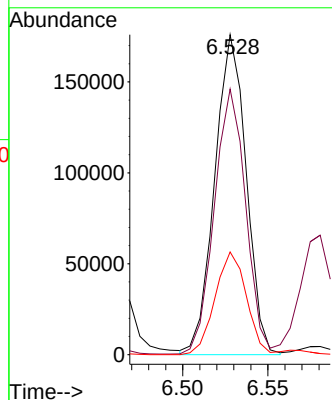
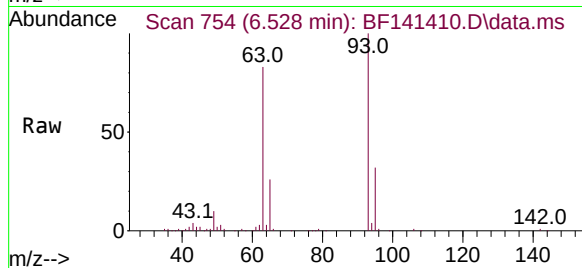




#11
bis(2-Chloroethyl)ether
Concen: 37.395 ng
RT: 6.528 min Scan# 754
Delta R.T. -0.018 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

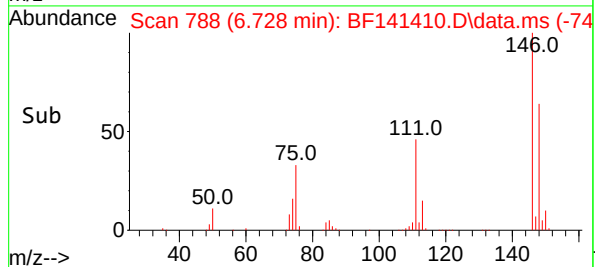
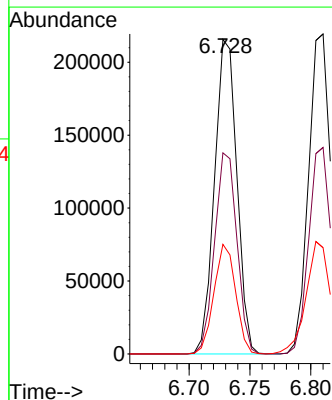
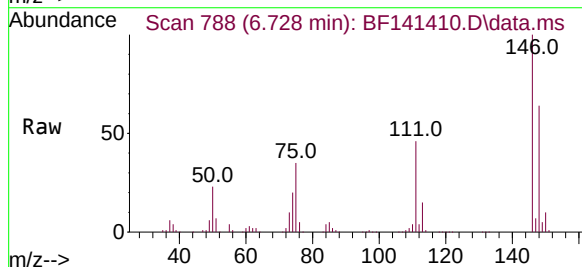
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

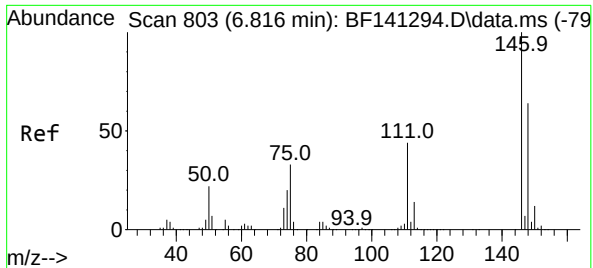
Tgt Ion: 93 Resp: 226600
Ion Ratio Lower Upper
93 100
63 83.0 65.0 105.0
95 32.1 12.4 52.4



#12
1,3-Dichlorobenzene
Concen: 39.813 ng
RT: 6.728 min Scan# 788
Delta R.T. -0.018 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion: 146 Resp: 275749
Ion Ratio Lower Upper
146 100
148 63.9 51.2 76.8
75 34.8 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 40.169 ng

RT: 6.810 min Scan# 80

Delta R.T. -0.012 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

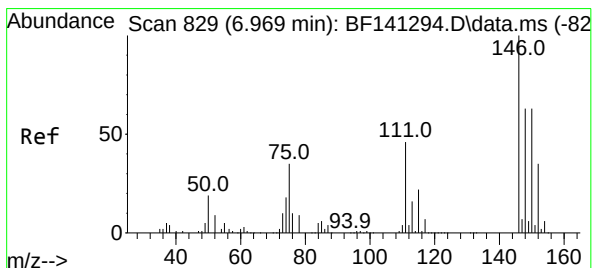
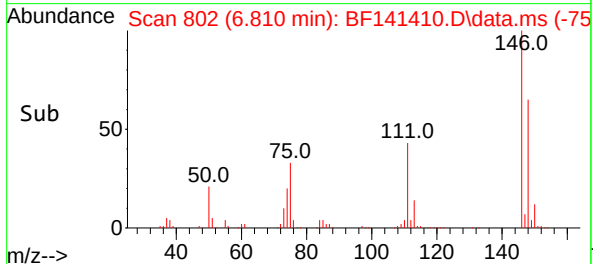
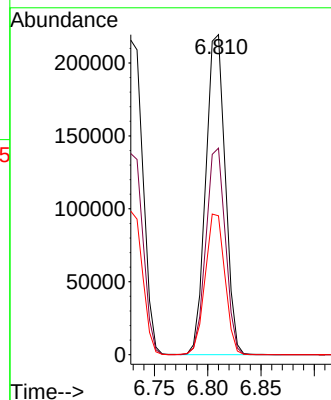
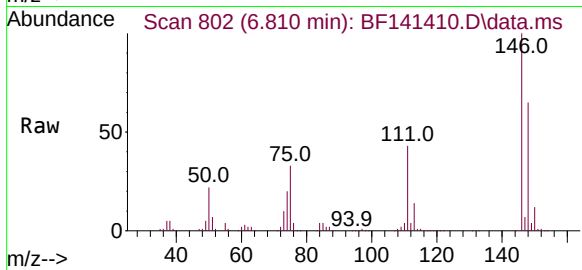
Tgt Ion:146 Resp: 279491

Ion Ratio Lower Upper

146 100

148 64.6 51.2 76.8

111 43.4 35.0 52.4



#14

1,2-Dichlorobenzene

Concen: 39.932 ng

RT: 6.963 min Scan# 828

Delta R.T. -0.012 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

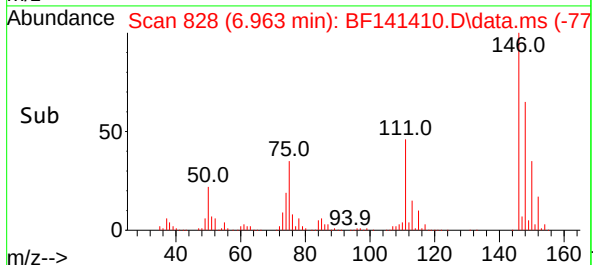
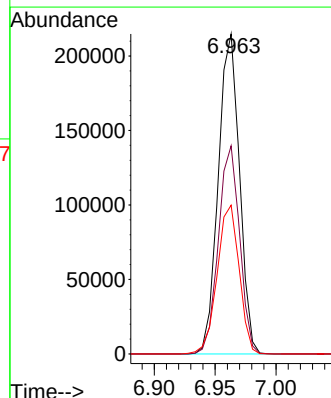
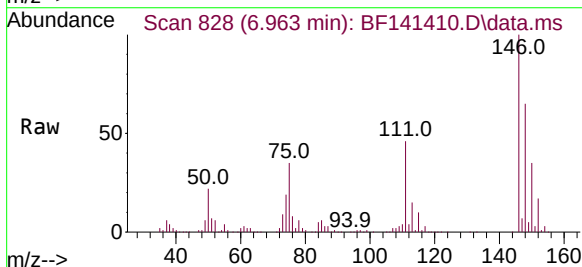
Tgt Ion:146 Resp: 260169

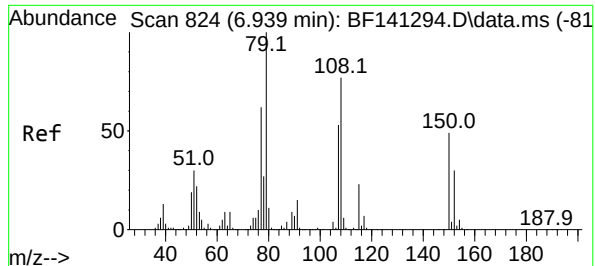
Ion Ratio Lower Upper

146 100

148 65.0 50.5 75.7

111 46.5 36.6 55.0





#15

Benzyl Alcohol

Concen: 41.681 ng

RT: 6.934 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

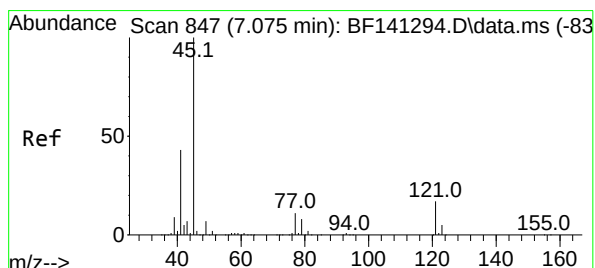
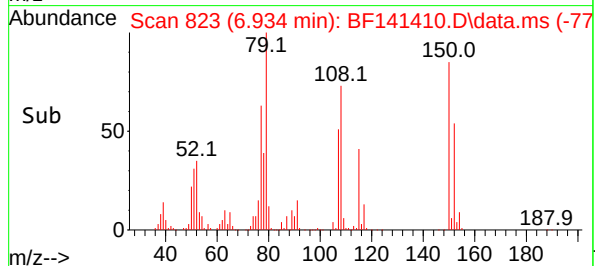
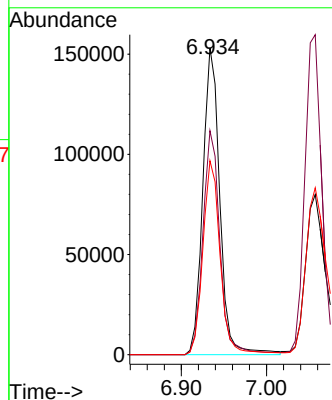
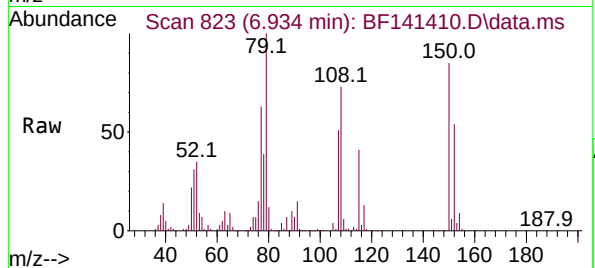
Tgt Ion: 79 Resp: 212366

Ion Ratio Lower Upper

79 100

108 73.0 61.4 92.0

77 63.2 49.9 74.9



#16

2,2'-oxybis(1-chloropropane)

Concen: 35.664 ng

RT: 7.069 min Scan# 846

Delta R.T. -0.012 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

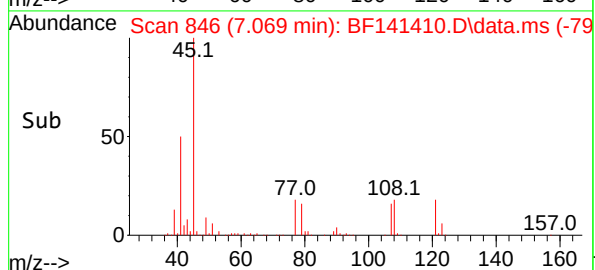
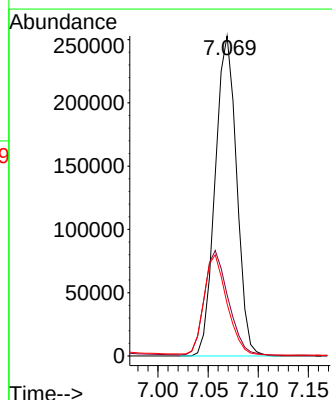
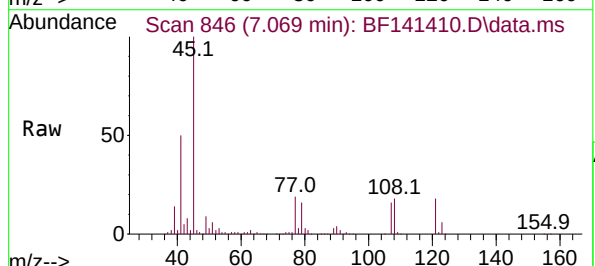
Tgt Ion: 45 Resp: 375805

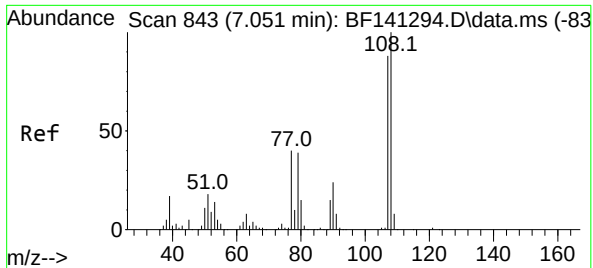
Ion Ratio Lower Upper

45 100

77 19.1 0.0 31.8

79 16.3 0.0 29.1

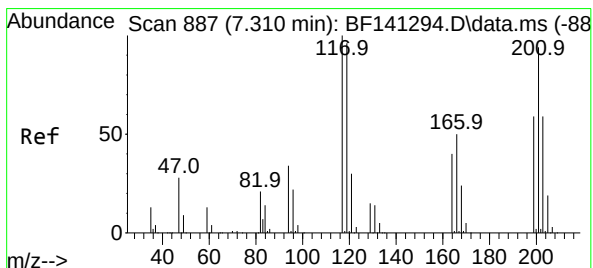
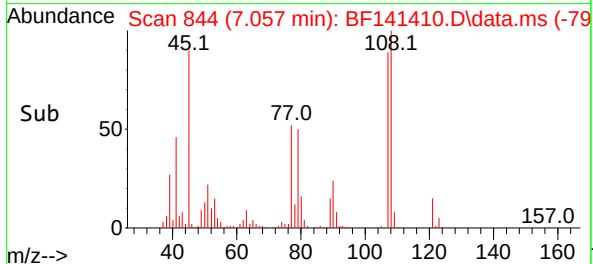
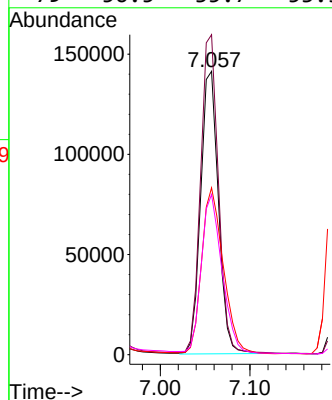
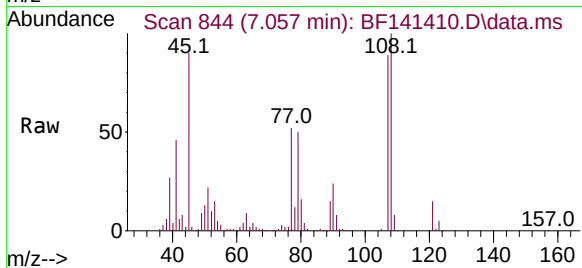




#17
2-Methylphenol
Concen: 38.055 ng
RT: 7.057 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

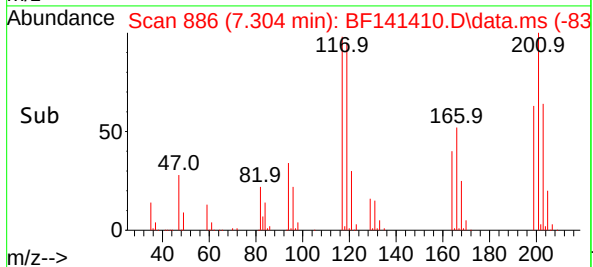
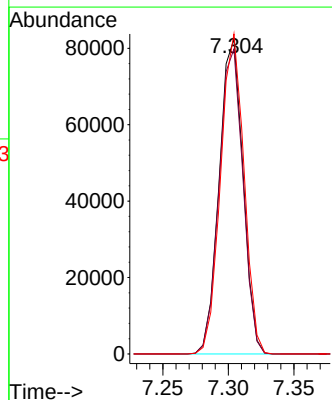
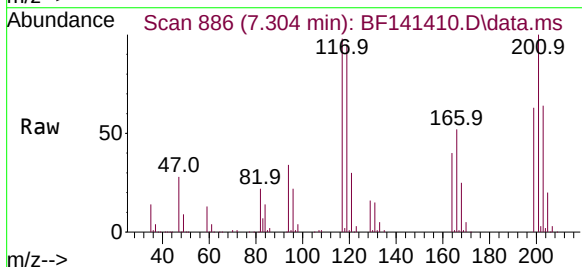
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

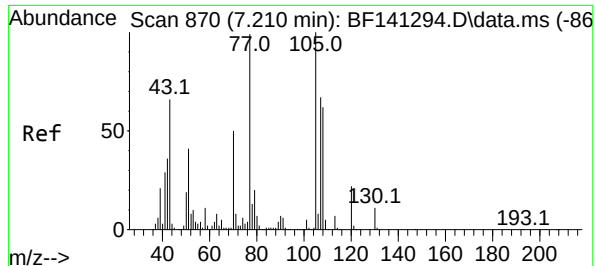
Tgt Ion:107 Resp: 194281
Ion Ratio Lower Upper
107 100
108 112.9 90.8 136.2
77 58.9 36.2 54.4#
79 56.5 35.7 53.5#



#18
Hexachloroethane
Concen: 40.467 ng
RT: 7.304 min Scan# 886
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:117 Resp: 103872
Ion Ratio Lower Upper
117 100
119 96.9 76.6 114.8
201 101.6 74.8 112.2





#19

n-Nitroso-di-n-propylamine

Concen: 38.325 ng

RT: 7.204 min Scan# 869

Delta R.T. -0.024 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 70 Resp: 169782

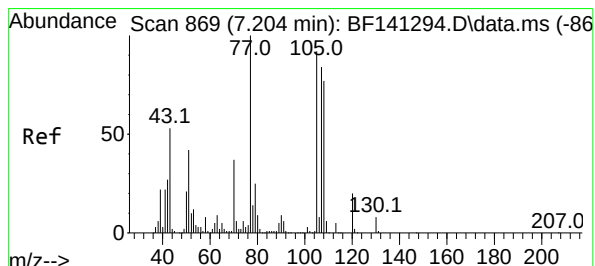
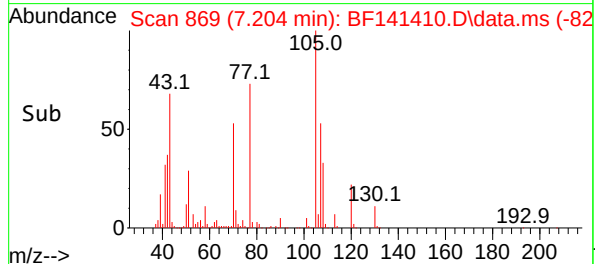
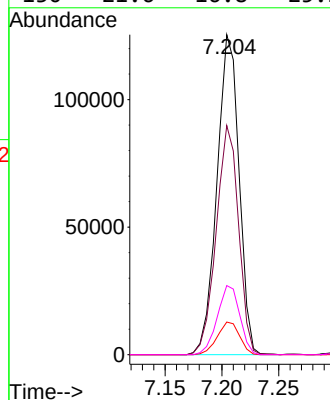
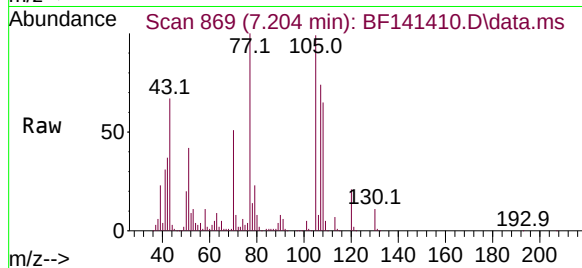
Ion Ratio Lower Upper

70 100

42 71.6 56.8 85.2

101 10.2 7.7 11.5

130 21.6 16.8 25.2



#20

3+4-Methylphenols

Concen: 40.064 ng

RT: 7.204 min Scan# 869

Delta R.T. -0.012 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

Tgt Ion:107 Resp: 251134

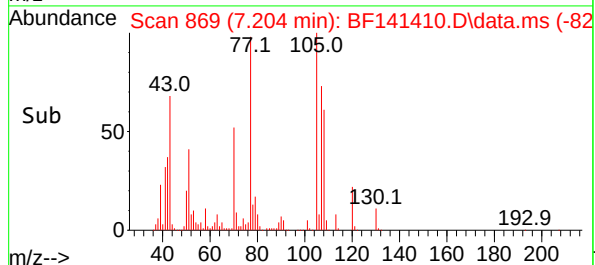
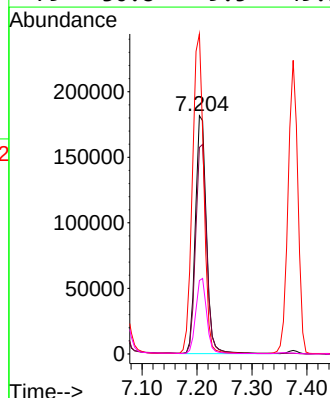
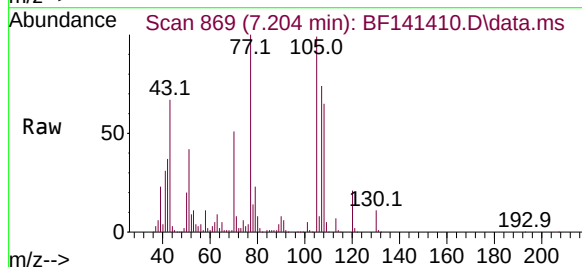
Ion Ratio Lower Upper

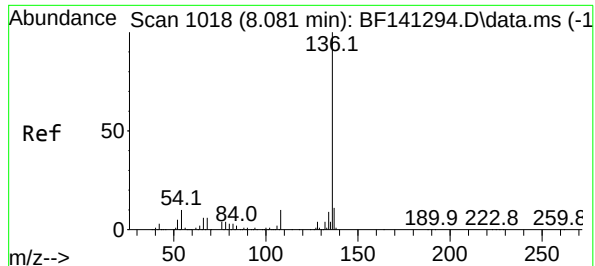
107 100

108 86.7 70.9 110.9

77 134.3 98.5 138.5

79 30.8 9.5 49.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.075 min Scan# 1018

Delta R.T. -0.012 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:136 Resp: 349697

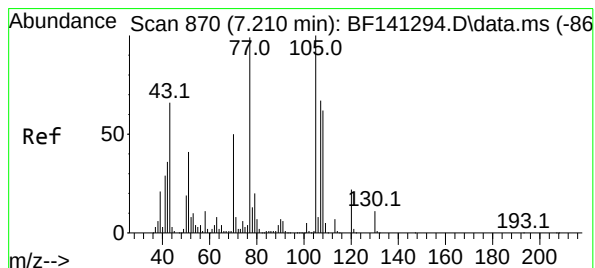
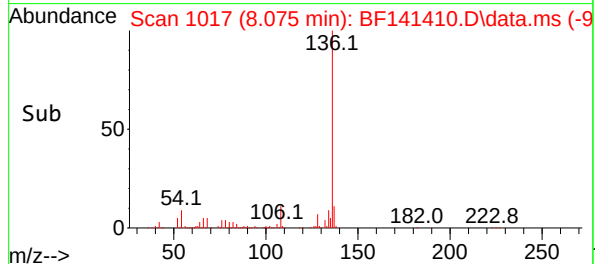
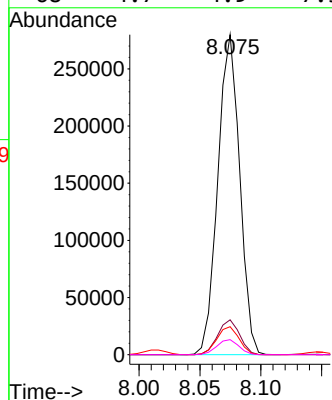
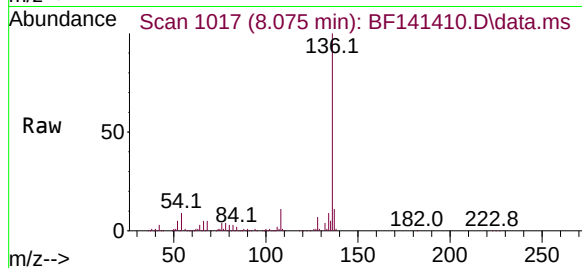
Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

54 8.8 7.8 11.8

68 4.7 4.9 7.3#



#22

Acetophenone

Concen: 41.572 ng

RT: 7.198 min Scan# 868

Delta R.T. -0.018 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

Tgt Ion:105 Resp: 345559

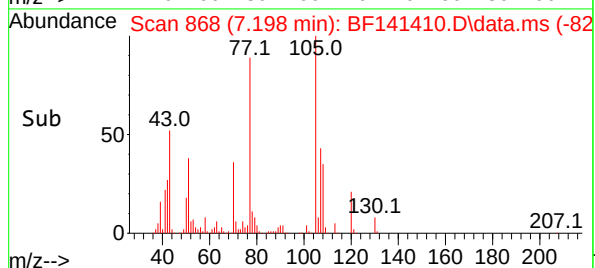
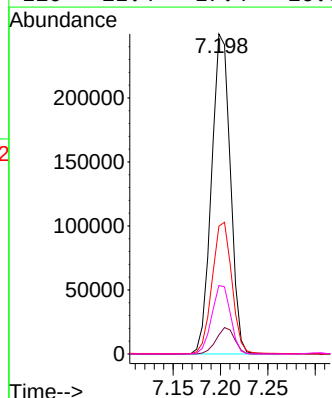
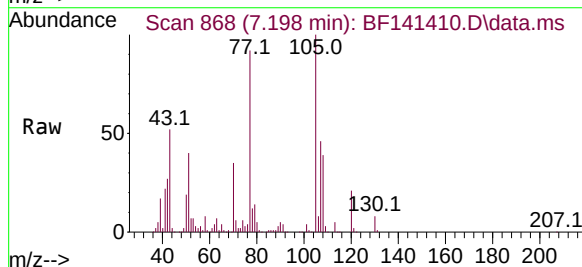
Ion Ratio Lower Upper

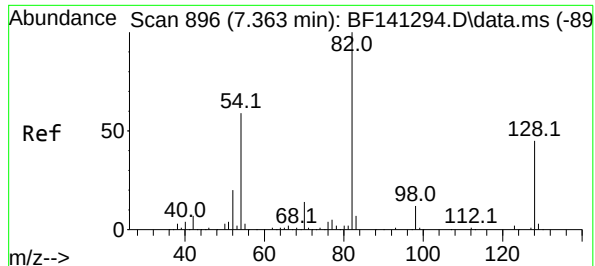
105 100

71 5.9 6.8 10.2#

51 39.9 32.6 49.0

120 21.4 17.4 26.0





#23

Nitrobenzene-d5

Concen: 81.851 ng

RT: 7.357 min Scan# 895

Delta R.T. -0.012 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

Instrument :

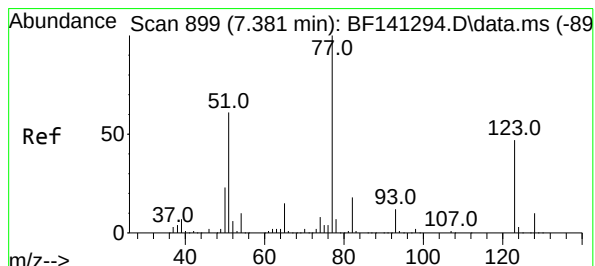
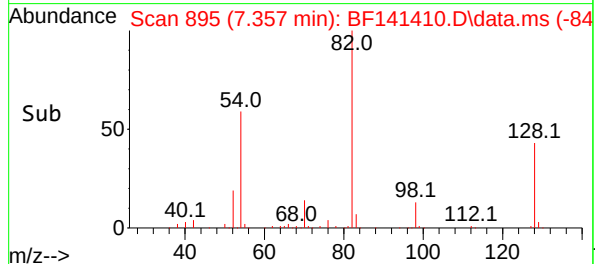
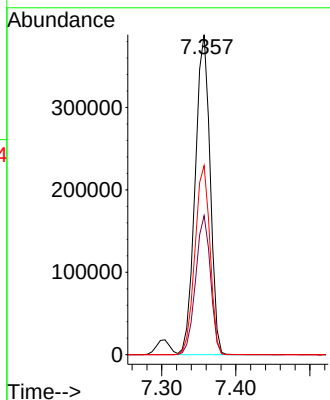
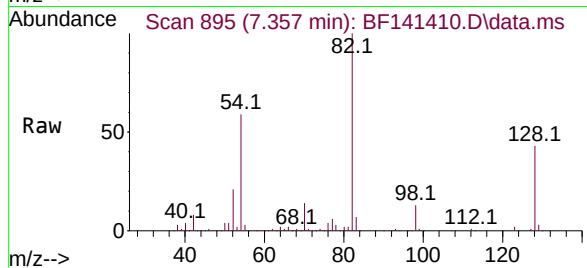
BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 82 Resp: 542962

Ion	Ratio	Lower	Upper
82	100		
128	43.4	35.7	53.5
54	59.1	47.1	70.7



#24

Nitrobenzene

Concen: 40.006 ng

RT: 7.375 min Scan# 898

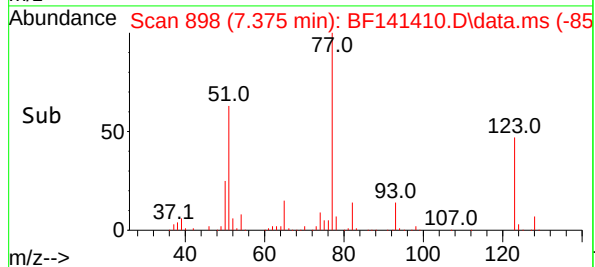
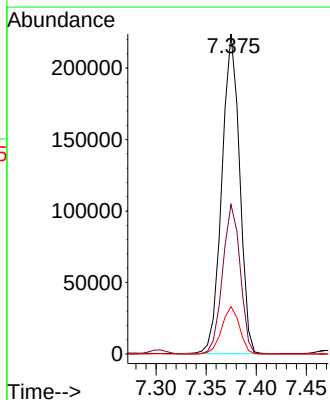
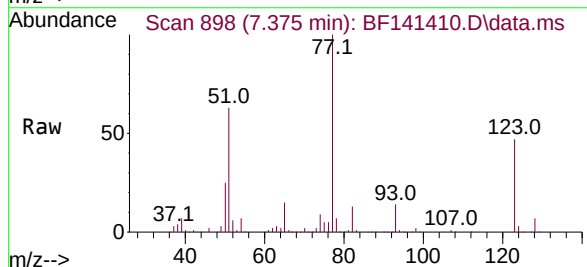
Delta R.T. -0.018 min

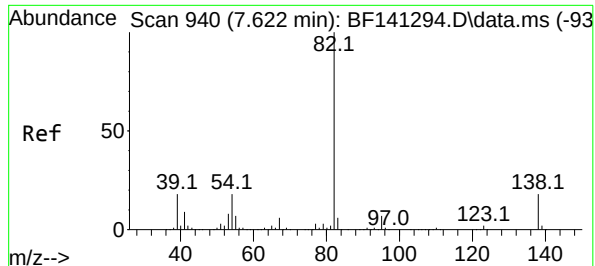
Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

Tgt Ion: 77 Resp: 275017

Ion	Ratio	Lower	Upper
77	100		
123	46.7	37.3	55.9
65	14.8	11.8	17.6





#25

Isophorone

Concen: 39.031 ng

RT: 7.610 min Scan# 91

Delta R.T. -0.018 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

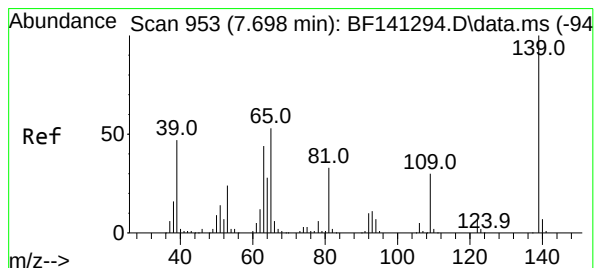
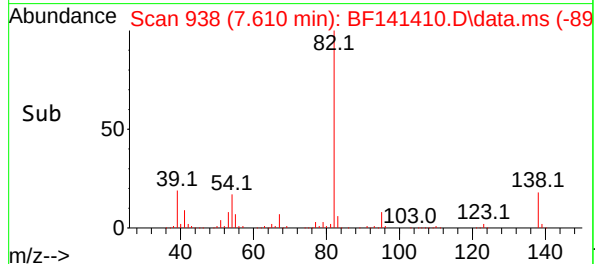
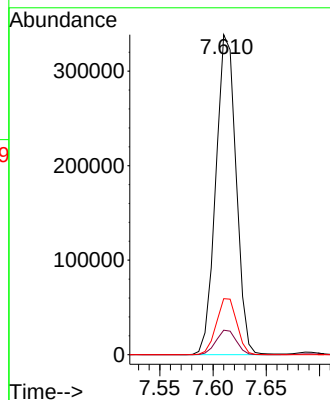
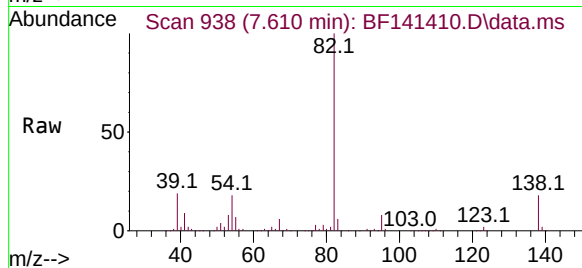
Tgt Ion: 82 Resp: 447558

Ion Ratio Lower Upper

82 100

95 7.7 5.8 8.6

138 17.5 14.7 22.1



#26

2-Nitrophenol

Concen: 41.393 ng

RT: 7.692 min Scan# 952

Delta R.T. -0.012 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

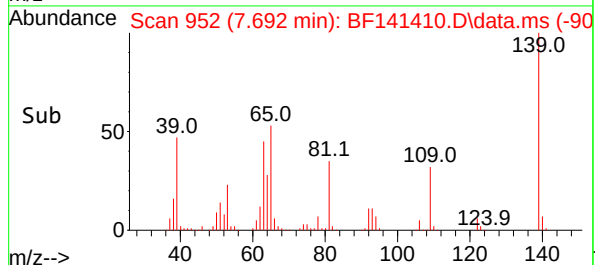
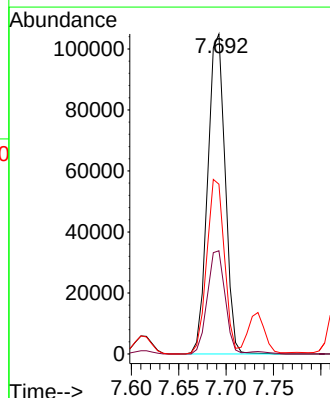
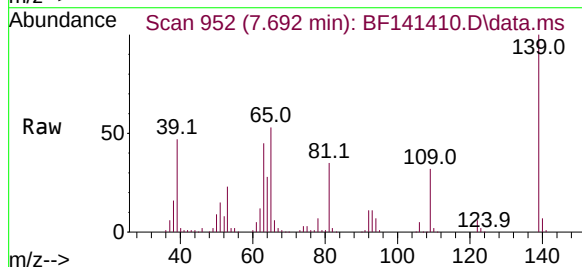
Tgt Ion:139 Resp: 134199

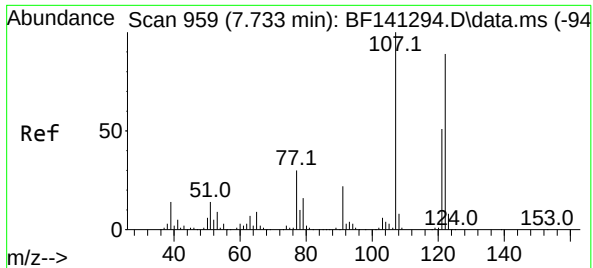
Ion Ratio Lower Upper

139 100

109 32.3 23.8 35.6

65 53.0 42.2 63.4





#27

2,4-Dimethylphenol

Concen: 38.672 ng m

RT: 7.734 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

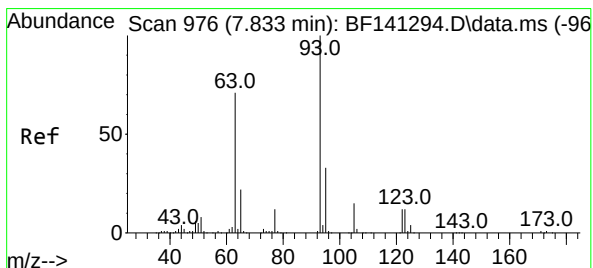
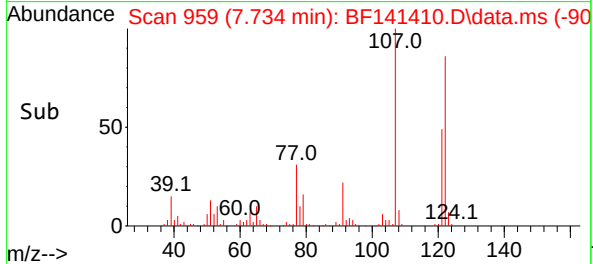
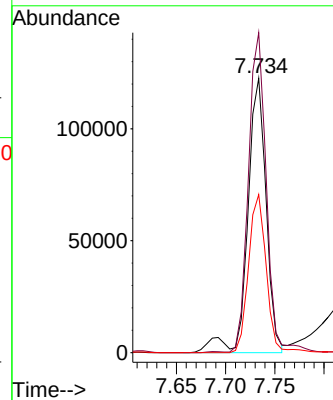
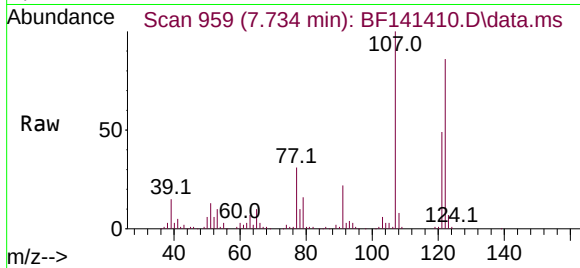
Tgt Ion:122 Resp: 159583

Ion Ratio Lower Upper

122 100

107 116.6 89.9 134.9

121 57.6 46.1 69.1



#28

bis(2-Chloroethoxy)methane

Concen: 38.030 ng

RT: 7.822 min Scan# 974

Delta R.T. -0.018 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

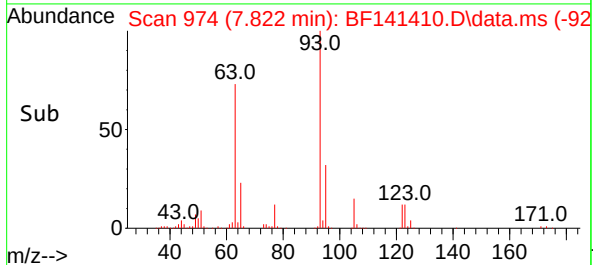
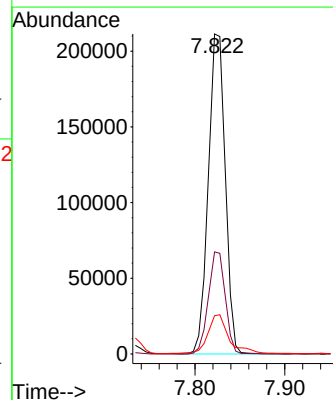
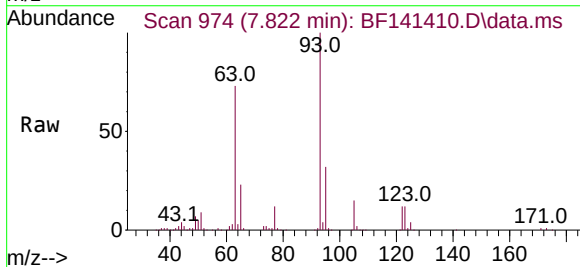
Tgt Ion: 93 Resp: 278158

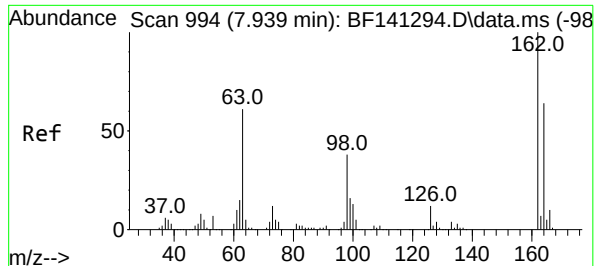
Ion Ratio Lower Upper

93 100

95 31.9 26.2 39.2

123 12.0 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 40.477 ng

RT: 7.939 min Scan# 994

Delta R.T. -0.006 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

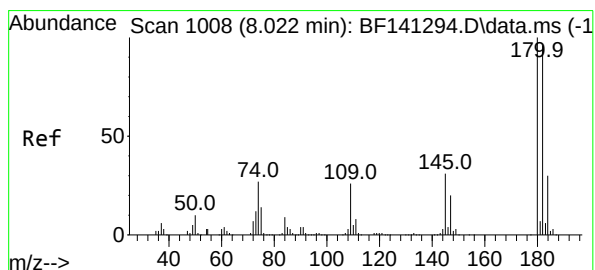
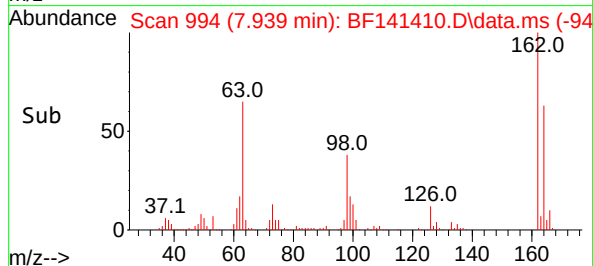
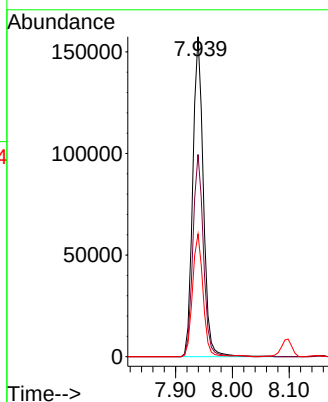
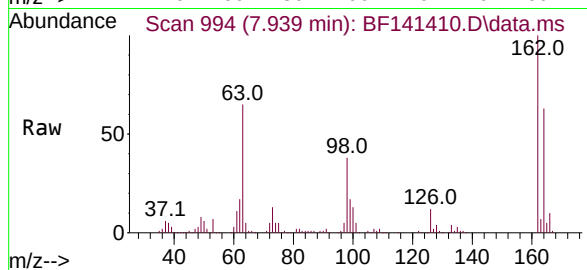
Tgt Ion:162 Resp: 204485

Ion Ratio Lower Upper

162 100

164 63.2 44.2 84.2

98 38.3 18.2 58.2



#30

1,2,4-Trichlorobenzene

Concen: 40.839 ng

RT: 8.016 min Scan# 1007

Delta R.T. -0.012 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

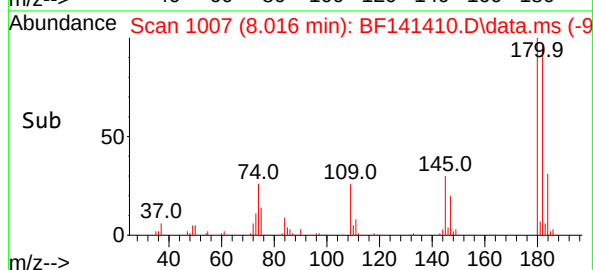
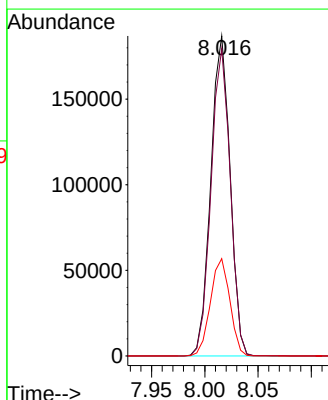
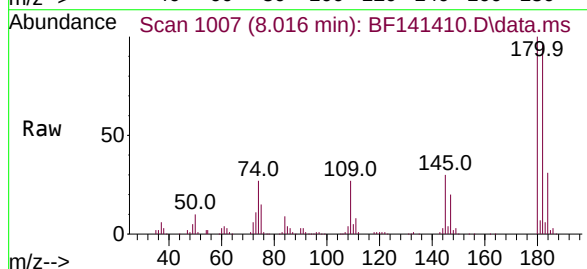
Tgt Ion:180 Resp: 235617

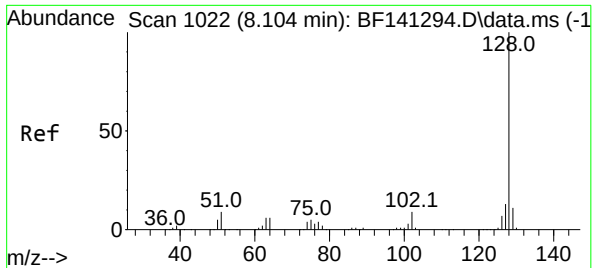
Ion Ratio Lower Upper

180 100

182 96.0 76.4 114.6

145 30.4 24.9 37.3

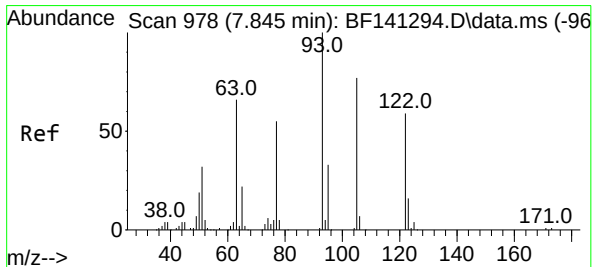
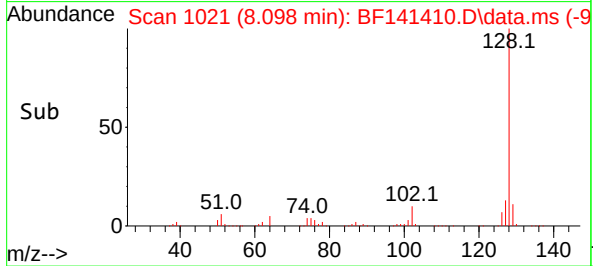
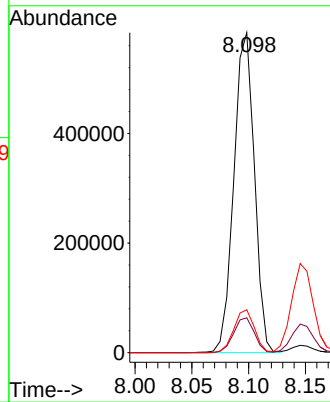
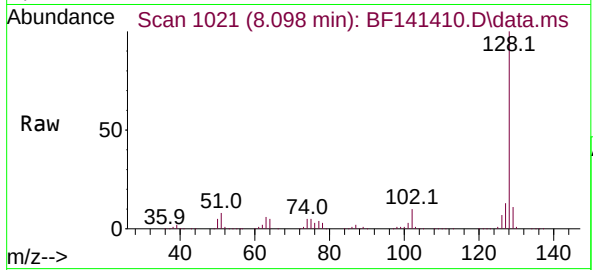




#31
Naphthalene
Concen: 39.696 ng
RT: 8.098 min Scan# 1022
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

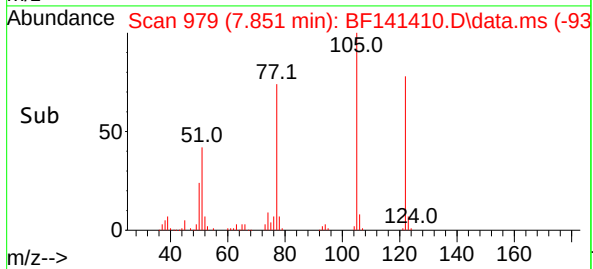
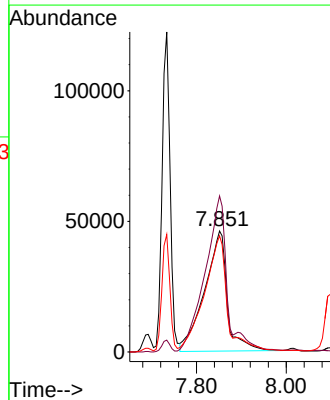
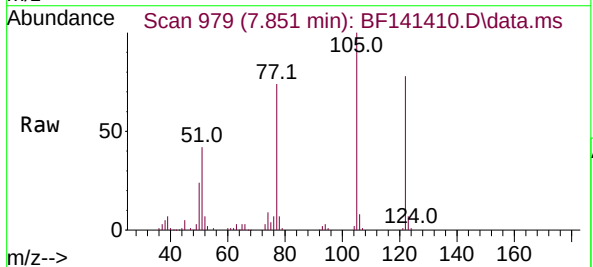
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

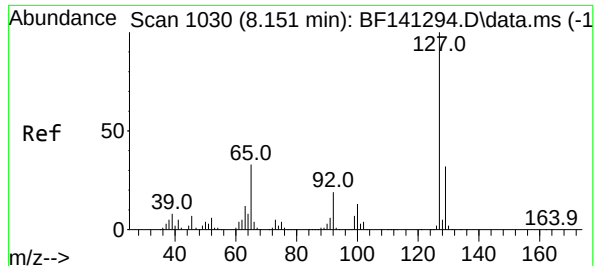
Tgt Ion:128 Resp: 733327
Ion Ratio Lower Upper
128 100
129 10.9 8.9 13.3
127 13.4 10.6 15.8



#32
Benzoic acid
Concen: 42.423 ng
RT: 7.851 min Scan# 979
Delta R.T. -0.030 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:122 Resp: 160931
Ion Ratio Lower Upper
122 100
105 129.0 103.4 143.4
77 96.1 70.9 110.9





#33

4-Chloroaniline

Concen: 35.561 ng

RT: 8.145 min Scan# 1029

Delta R.T. -0.012 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:127 Resp: 222768

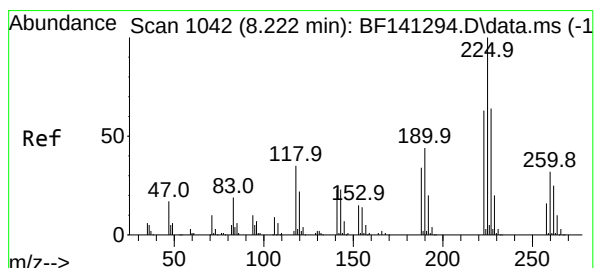
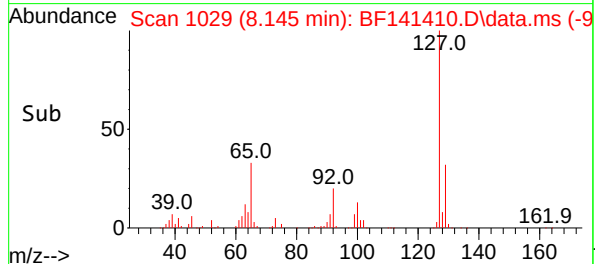
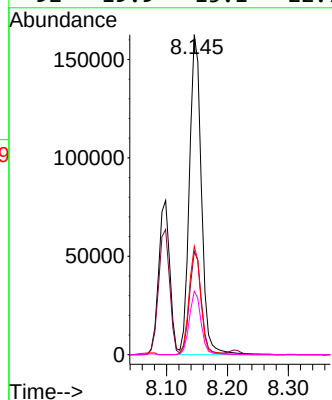
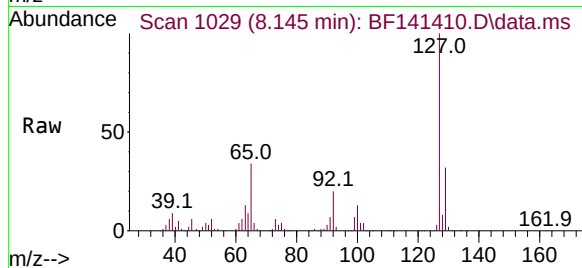
Ion Ratio Lower Upper

127 100

129 32.2 25.7 38.5

65 33.9 26.4 39.6

92 19.9 15.1 22.7



#34

Hexachlorobutadiene

Concen: 43.093 ng

RT: 8.210 min Scan# 1040

Delta R.T. -0.012 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

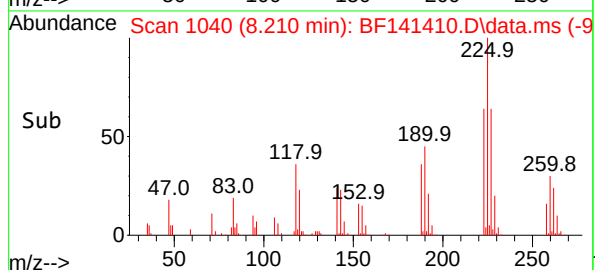
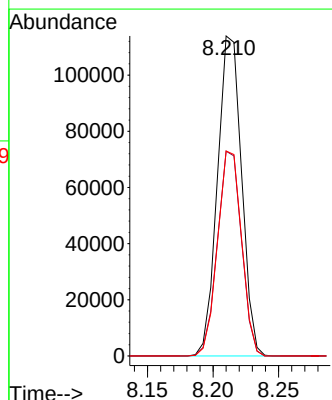
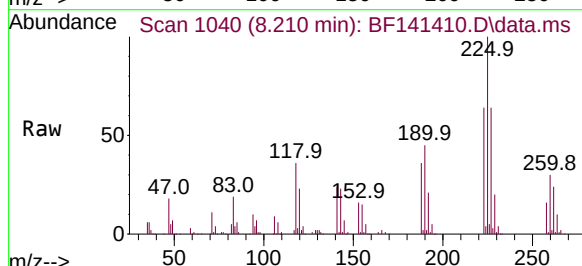
Tgt Ion:225 Resp: 145800

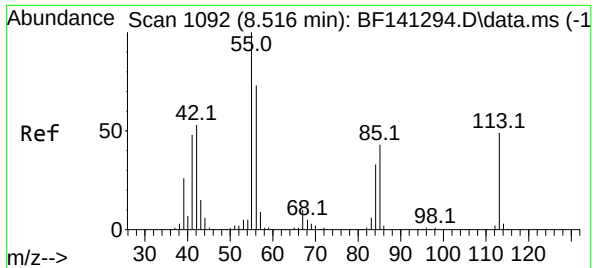
Ion Ratio Lower Upper

225 100

223 64.0 50.4 75.6

227 64.0 51.3 76.9

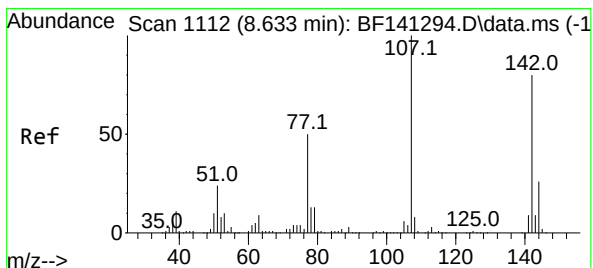
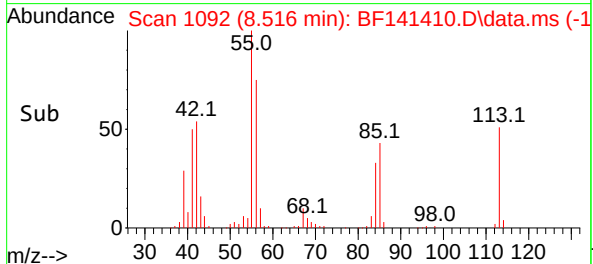
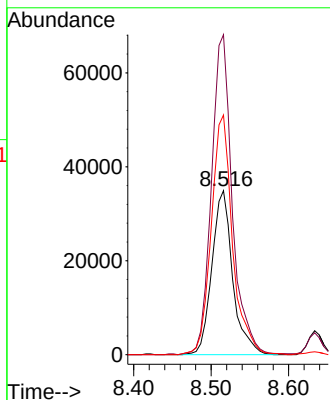
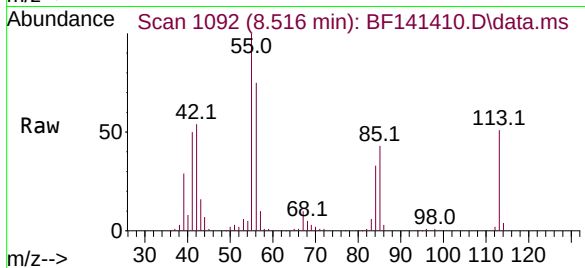




#35
 Caprolactam
 Concen: 39.448 ng
 RT: 8.516 min Scan# 1092
 Delta R.T. -0.030 min
 Lab File: BF141410.D
 Acq: 04 Feb 2025 15:58

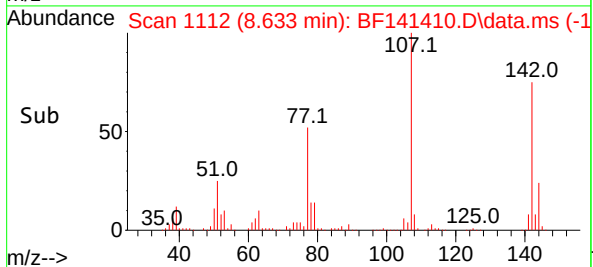
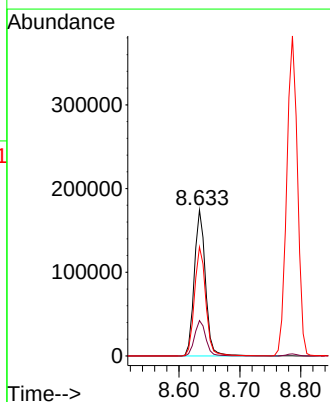
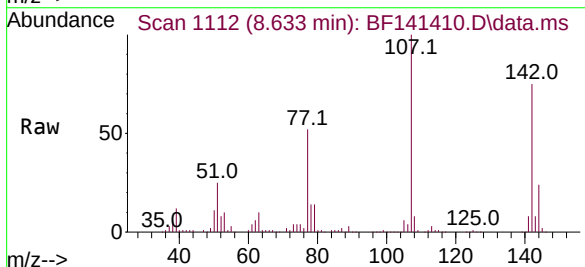
Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

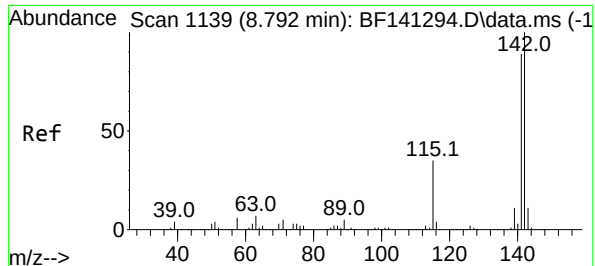
Tgt Ion:113 Resp: 65085
 Ion Ratio Lower Upper
 113 100
 55 195.0 182.9 222.9
 56 146.1 127.9 167.9



#36
 4-Chloro-3-methylphenol
 Concen: 41.200 ng
 RT: 8.633 min Scan# 1112
 Delta R.T. -0.006 min
 Lab File: BF141410.D
 Acq: 04 Feb 2025 15:58

Tgt Ion:107 Resp: 223256
 Ion Ratio Lower Upper
 107 100
 144 24.2 20.7 31.1
 142 74.7 63.8 95.8





#37

2-Methylnaphthalene

Concen: 40.115 ng

RT: 8.786 min Scan# 1138

Delta R.T. -0.012 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

Instrument :

BNA_F

ClientSampleId :

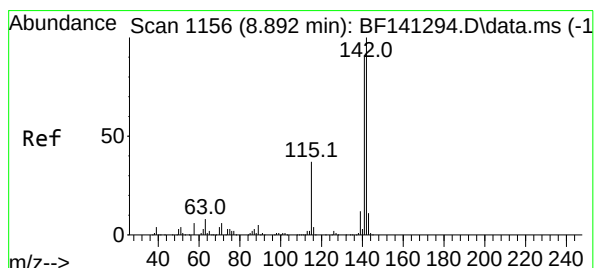
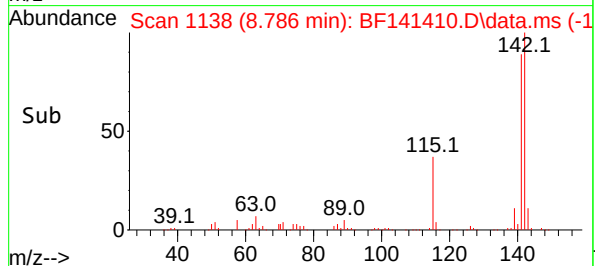
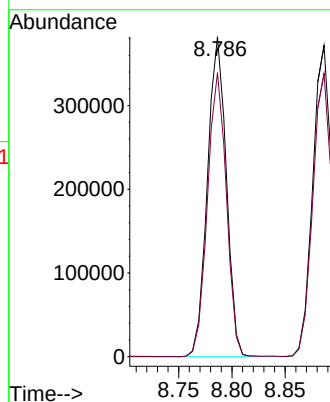
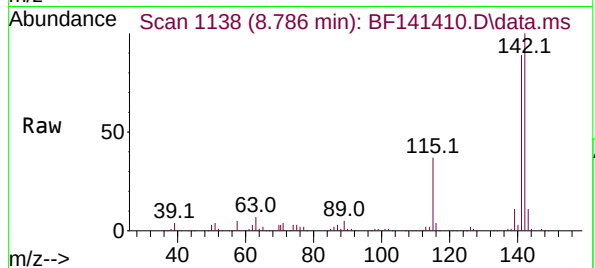
SSTDCCC040

Tgt Ion:142 Resp: 471006

Ion Ratio Lower Upper

142 100

141 88.7 71.3 106.9



#38

1-Methylnaphthalene

Concen: 39.867 ng

RT: 8.886 min Scan# 1155

Delta R.T. -0.012 min

Lab File: BF141410.D

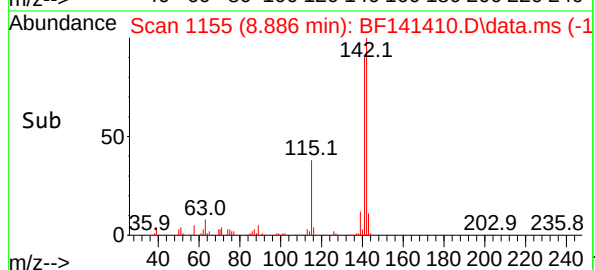
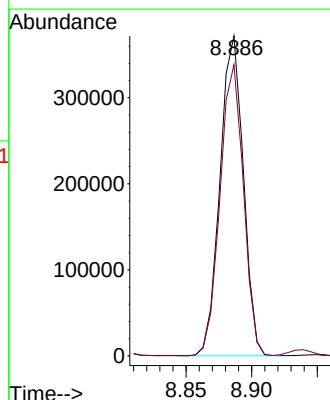
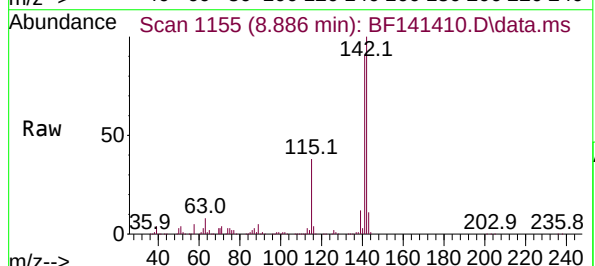
Acq: 04 Feb 2025 15:58

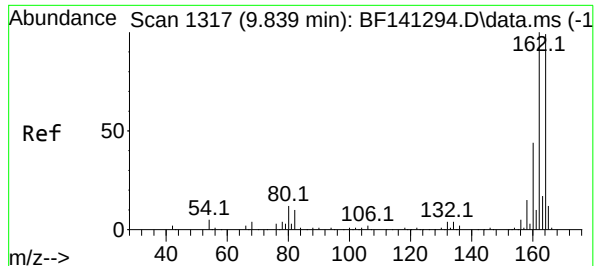
Tgt Ion:142 Resp: 459817

Ion Ratio Lower Upper

142 100

141 91.0 73.2 109.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.828 min Scan# 1165

Delta R.T. -0.012 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

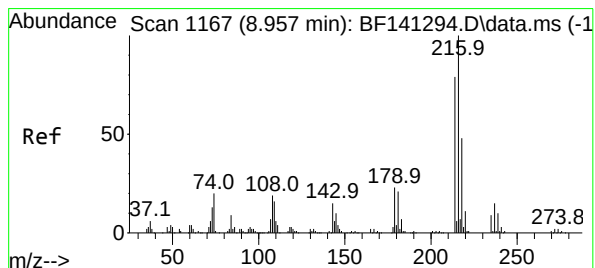
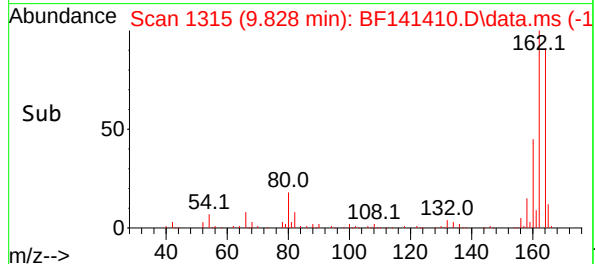
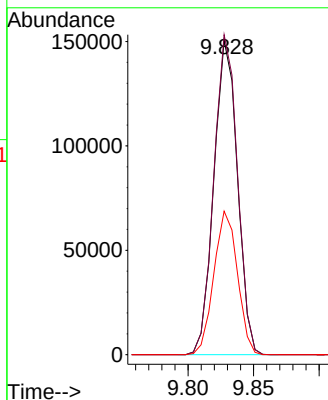
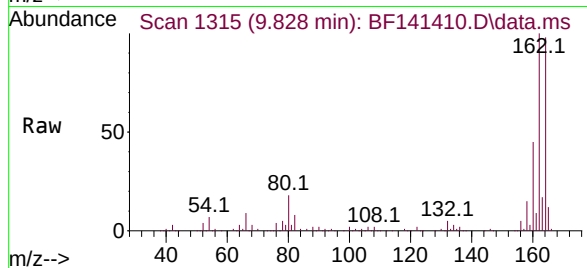
Tgt Ion:164 Resp: 187729

Ion Ratio Lower Upper

164 100

162 101.9 80.6 121.0

160 45.7 35.8 53.6



#40

1,2,4,5-Tetrachlorobenzene

Concen: 41.284 ng

RT: 8.951 min Scan# 1166

Delta R.T. -0.012 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

Tgt Ion:216 Resp: 220482

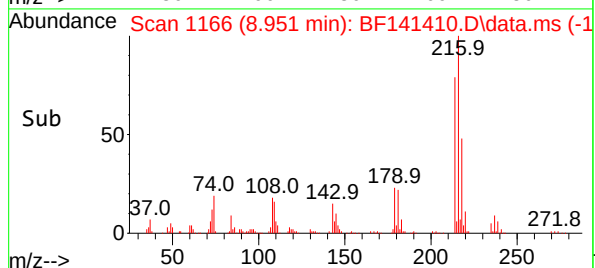
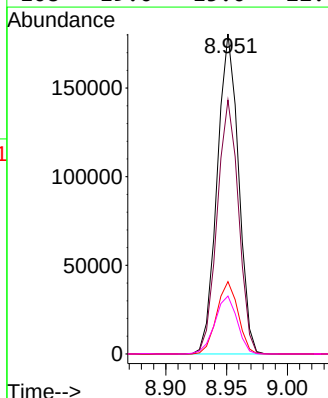
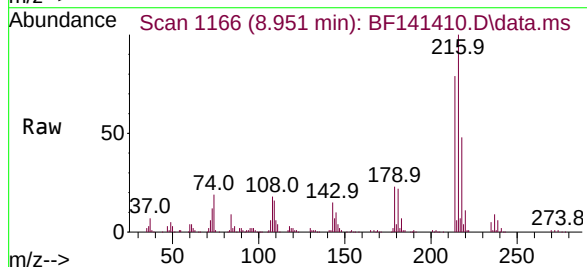
Ion Ratio Lower Upper

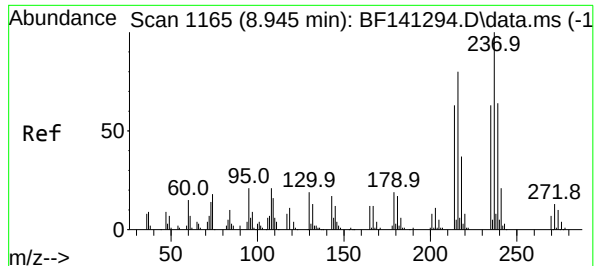
216 100

214 79.0 63.2 94.8

179 22.6 17.8 26.8

108 19.0 15.0 22.6





#41

Hexachlorocyclopentadiene

Concen: 44.139 ng

RT: 8.939 min Scan# 1164

Delta R.T. -0.012 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

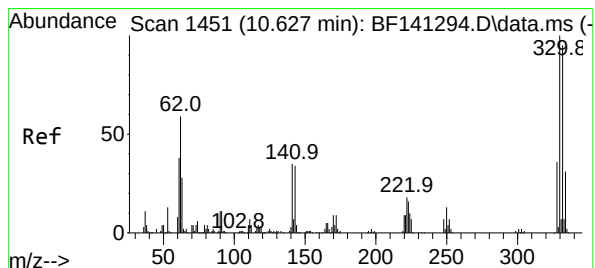
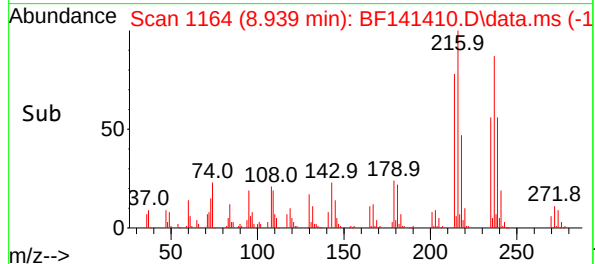
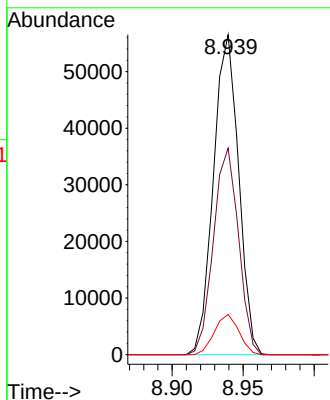
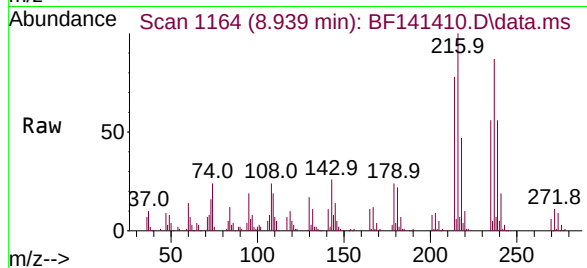
Tgt Ion:237 Resp: 69619

Ion Ratio Lower Upper

237 100

235 64.5 42.9 82.9

272 12.6 0.0 32.8



#42

2,4,6-Tribromophenol

Concen: 89.734 ng

RT: 10.622 min Scan# 1450

Delta R.T. -0.012 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

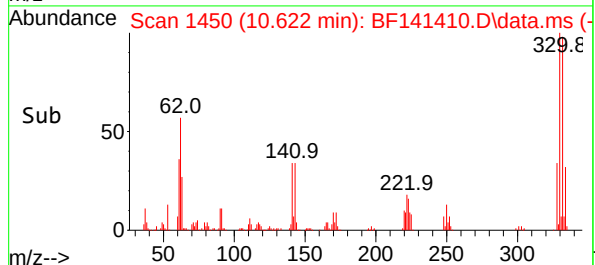
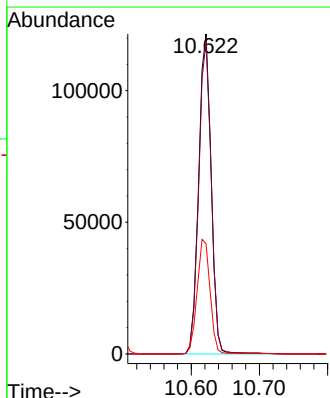
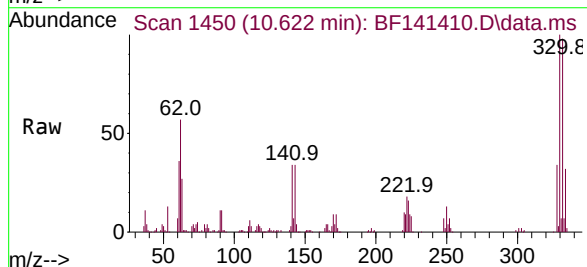
Tgt Ion:330 Resp: 154436

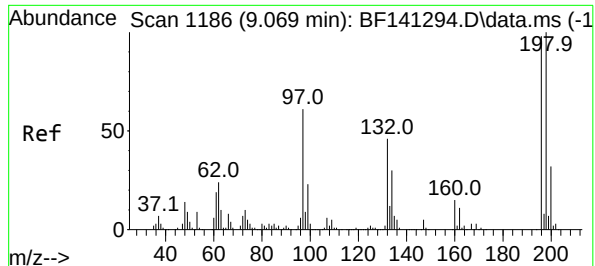
Ion Ratio Lower Upper

330 100

332 97.8 76.1 114.1

141 37.1 28.8 43.2





#43

2,4,6-Trichlorophenol

Concen: 41.335 ng

RT: 9.069 min Scan# 1186

Delta R.T. -0.006 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

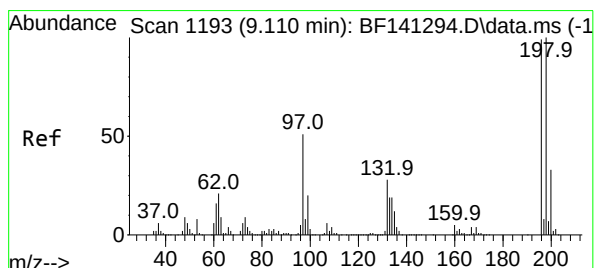
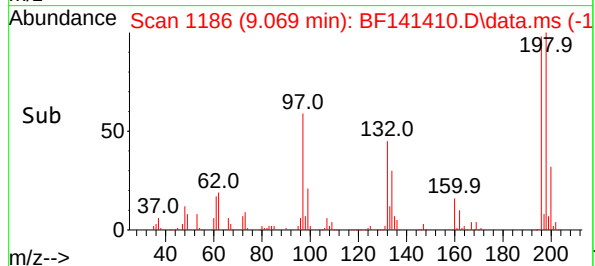
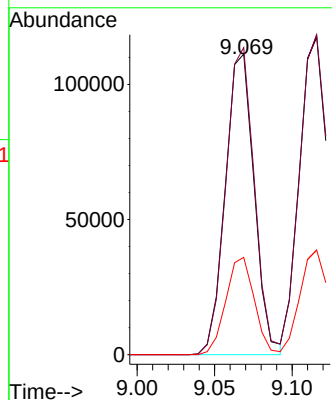
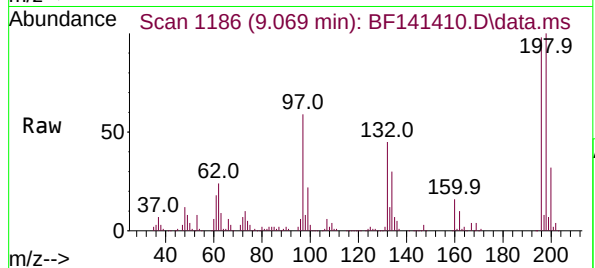
Tgt Ion:196 Resp: 144492

Ion Ratio Lower Upper

196 100

198 102.1 81.8 122.6

200 32.3 26.3 39.5



#44

2,4,5-Trichlorophenol

Concen: 41.404 ng

RT: 9.116 min Scan# 1194

Delta R.T. -0.000 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

Tgt Ion:196 Resp: 157526

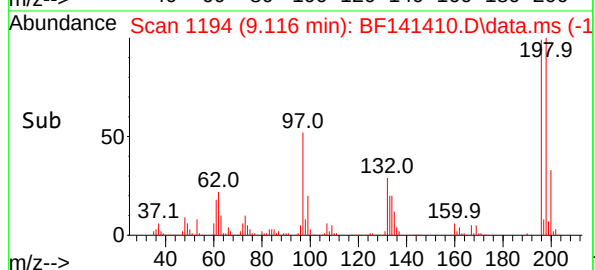
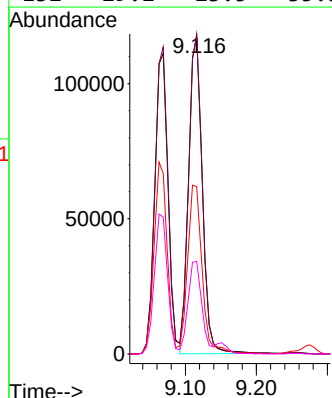
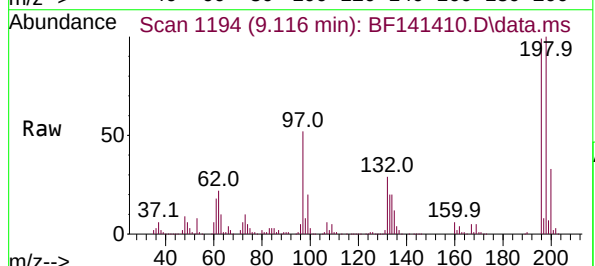
Ion Ratio Lower Upper

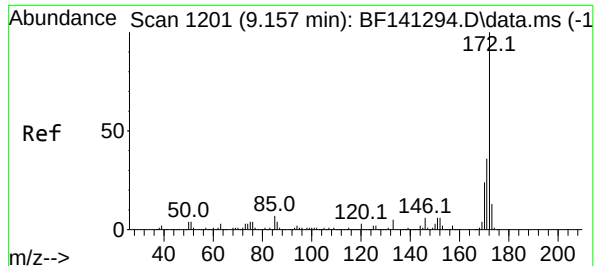
196 100

198 100.7 80.5 120.7

97 52.7 42.8 64.2

132 29.2 23.5 35.3





#45

2-Fluorobiphenyl

Concen: 81.709 ng

RT: 9.151 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

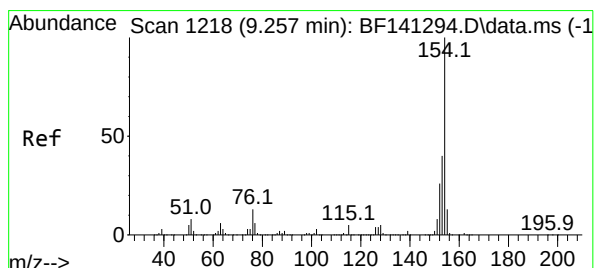
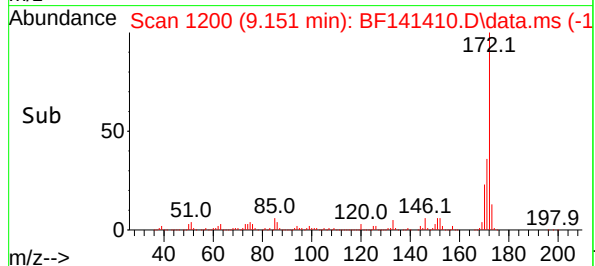
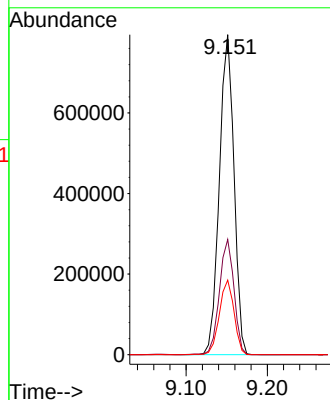
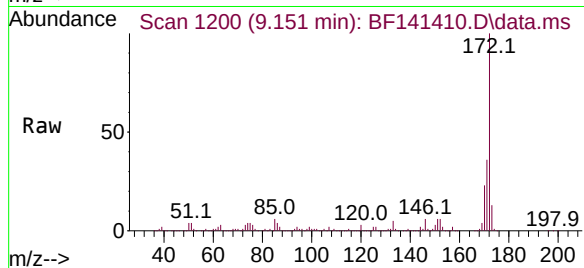
Tgt Ion:172 Resp: 996571

Ion Ratio Lower Upper

172 100

171 36.0 28.8 43.2

170 23.3 19.0 28.6



#46

1,1'-Biphenyl

Concen: 39.860 ng

RT: 9.251 min Scan# 1217

Delta R.T. -0.012 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

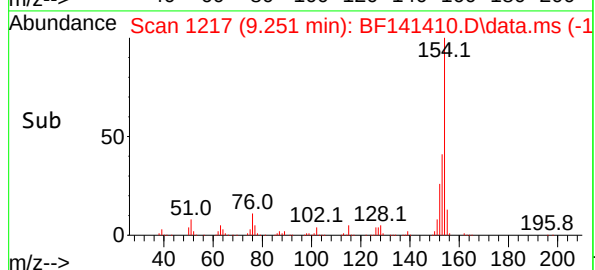
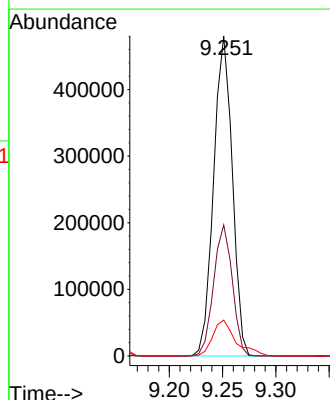
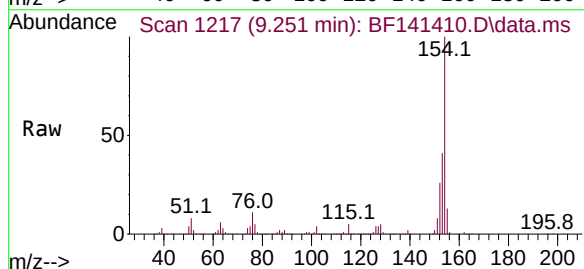
Tgt Ion:154 Resp: 583575

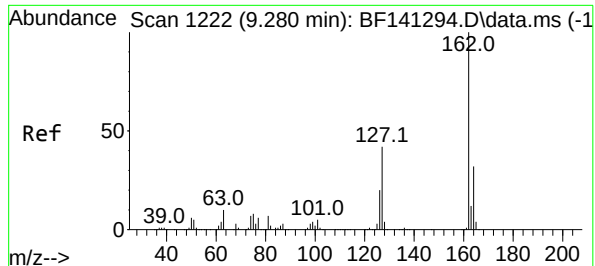
Ion Ratio Lower Upper

154 100

153 40.9 20.0 60.0

76 11.2 0.0 32.8





#47

2-Chloronaphthalene

Concen: 39.569 ng

RT: 9.275 min Scan# 1222

Delta R.T. -0.012 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

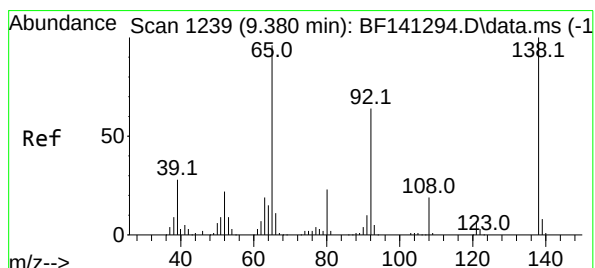
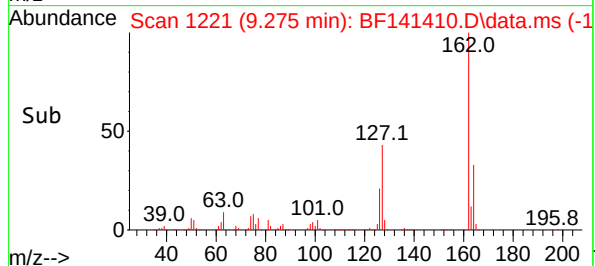
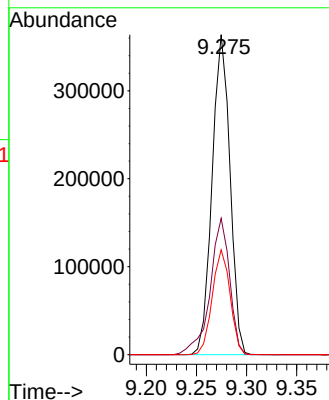
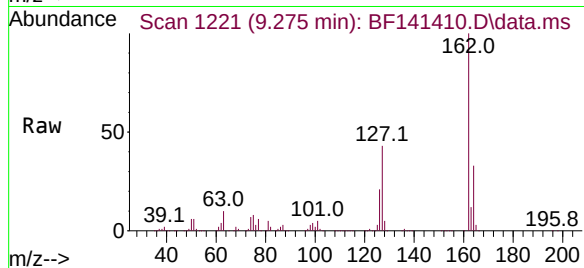
Tgt Ion:162 Resp: 451544

Ion Ratio Lower Upper

162 100

127 42.6 33.7 50.5

164 32.7 25.9 38.9



#48

2-Nitroaniline

Concen: 41.421 ng

RT: 9.375 min Scan# 1238

Delta R.T. -0.006 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

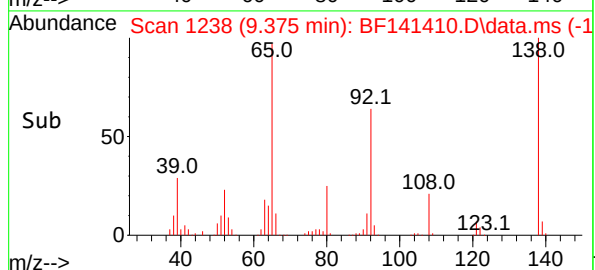
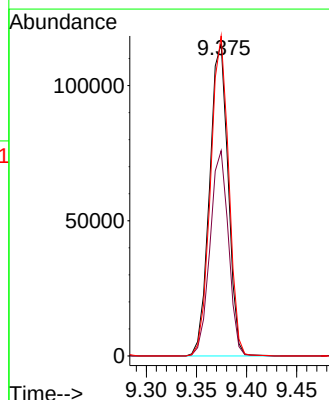
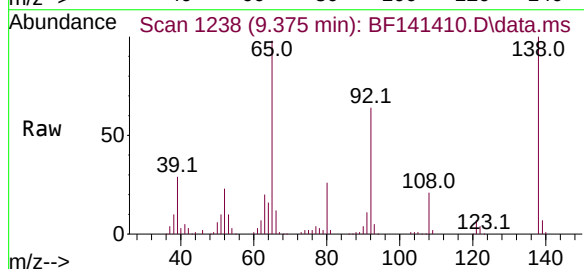
Tgt Ion: 65 Resp: 148678

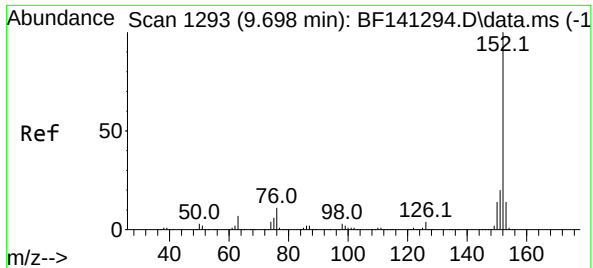
Ion Ratio Lower Upper

65 100

92 65.7 53.3 79.9

138 102.4 83.6 125.4





#49

Acenaphthylene

Concen: 40.428 ng

RT: 9.692 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

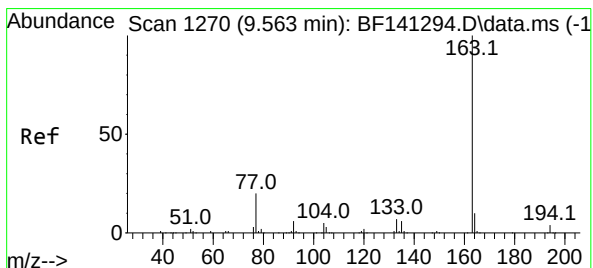
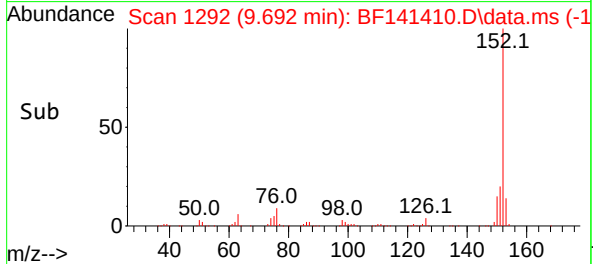
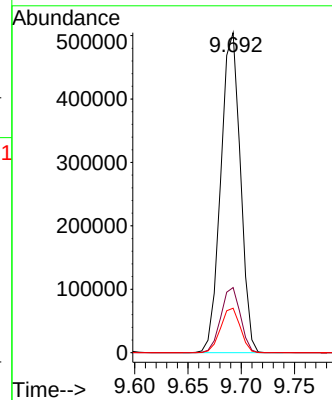
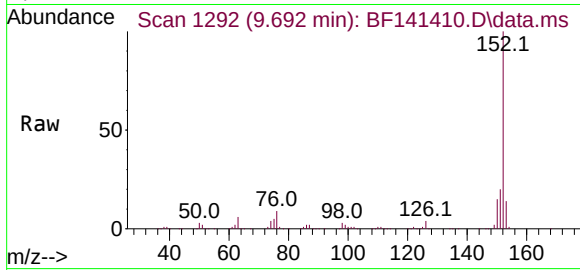
Tgt Ion:152 Resp: 645795

Ion Ratio Lower Upper

152 100

151 20.3 16.2 24.2

153 13.9 11.0 16.6



#50

Dimethylphthalate

Concen: 40.231 ng

RT: 9.557 min Scan# 1269

Delta R.T. -0.012 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

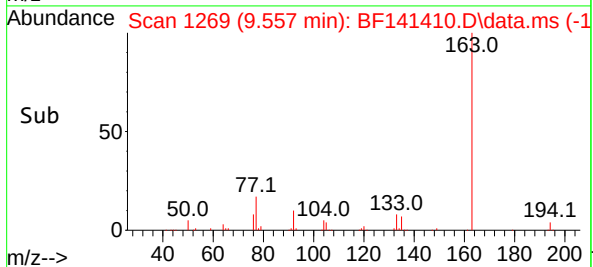
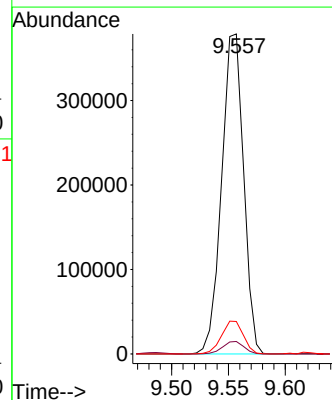
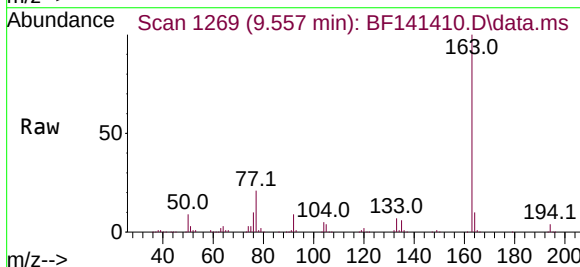
Tgt Ion:163 Resp: 510098

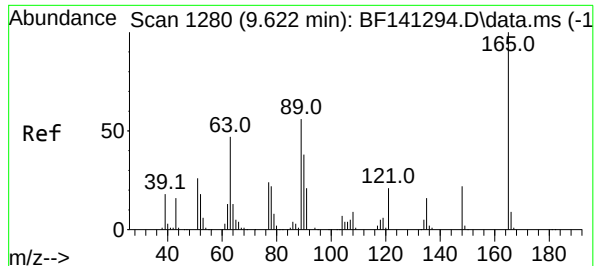
Ion Ratio Lower Upper

163 100

194 3.9 3.0 4.6

164 10.2 8.0 12.0





#51

2,6-Dinitrotoluene

Concen: 41.088 ng

RT: 9.616 min Scan# 1279

Delta R.T. -0.012 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

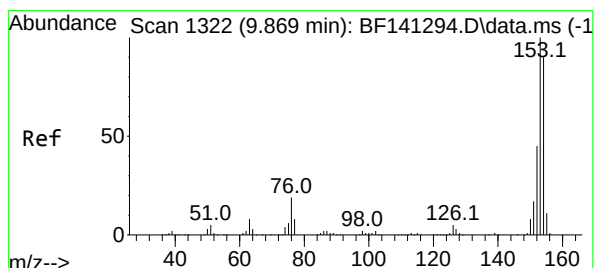
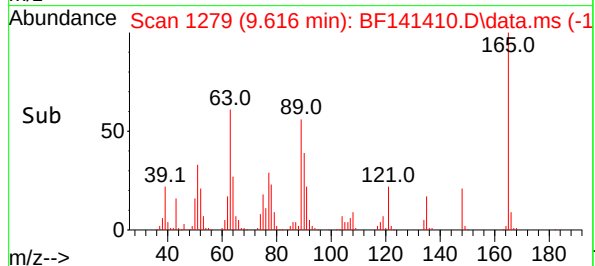
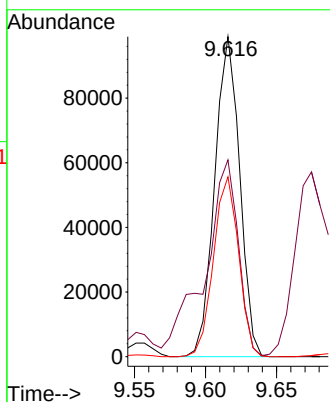
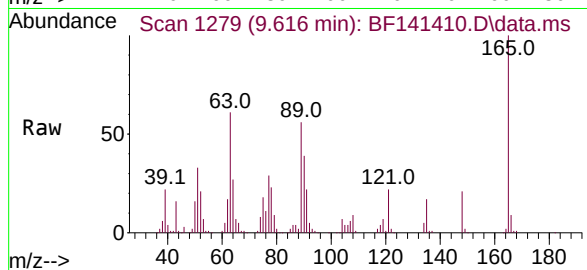
Tgt Ion:165 Resp: 120960

Ion Ratio Lower Upper

165 100

63 61.5 48.1 72.1

89 56.2 44.9 67.3



#52

Acenaphthene

Concen: 41.148 ng

RT: 9.863 min Scan# 1321

Delta R.T. -0.012 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

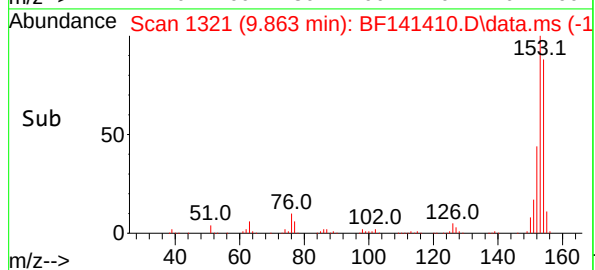
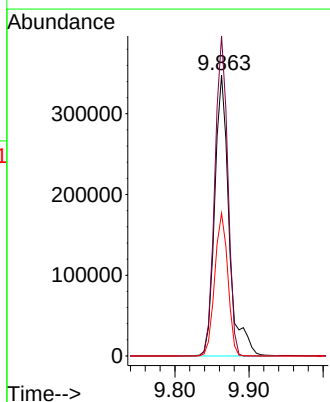
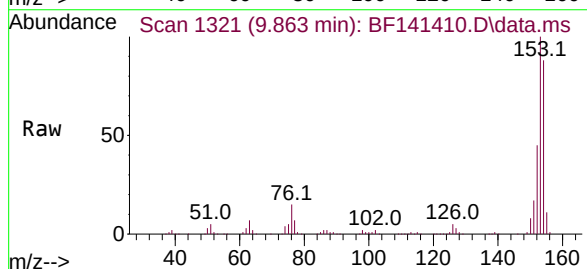
Tgt Ion:154 Resp: 469576

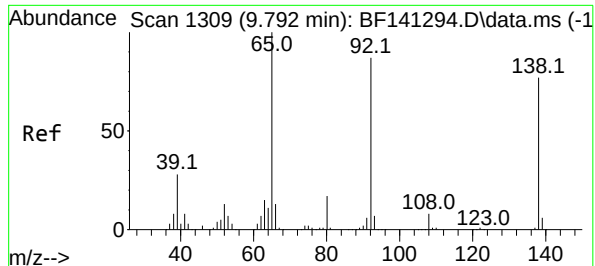
Ion Ratio Lower Upper

154 100

153 113.9 89.0 133.4

152 50.8 40.2 60.4

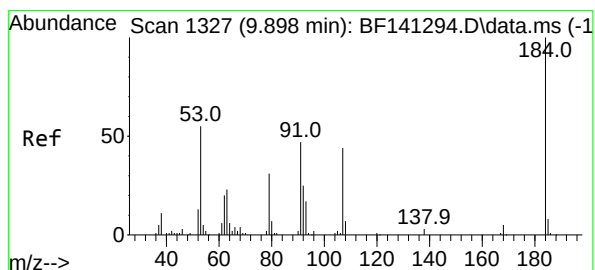
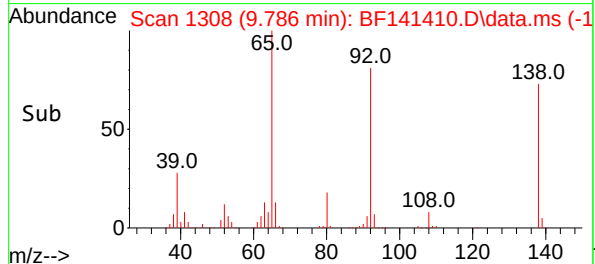
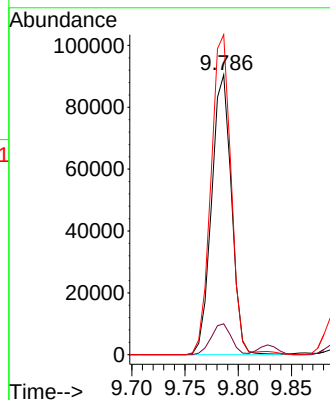
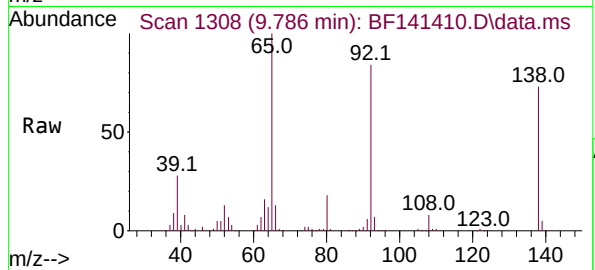




#53
3-Nitroaniline
Concen: 40.616 ng
RT: 9.786 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

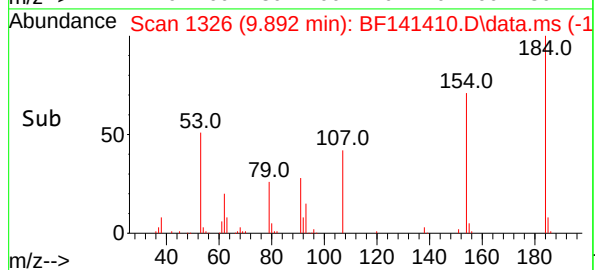
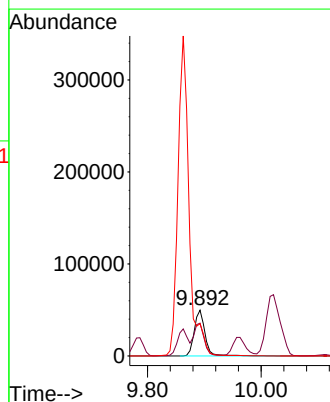
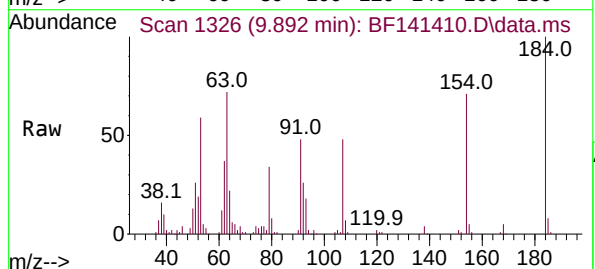
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

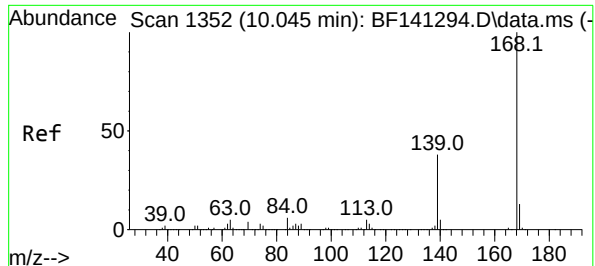
Tgt Ion:138 Resp: 117193
Ion Ratio Lower Upper
138 100
108 11.0 8.6 12.8
92 114.3 91.0 136.6



#54
2,4-Dinitrophenol
Concen: 48.068 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:184 Resp: 65781
Ion Ratio Lower Upper
184 100
63 71.7 54.1 81.1
154 70.6 50.7 76.1





#55

Dibenzenofuran

Concen: 40.736 ng

RT: 10.033 min Scan# 1350

Delta R.T. -0.012 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

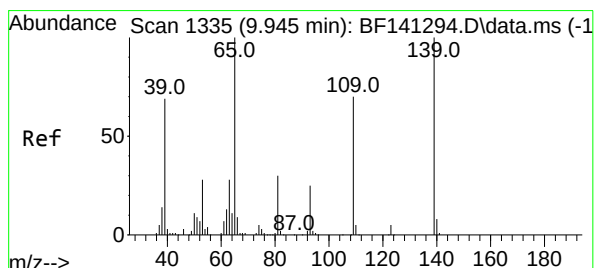
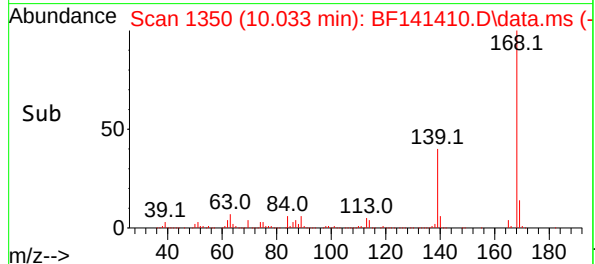
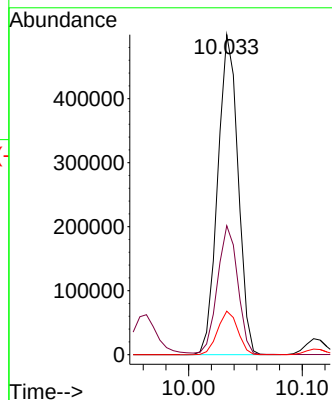
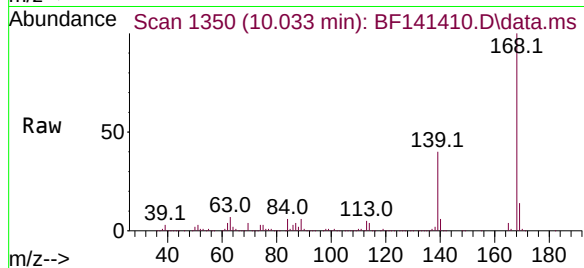
Tgt Ion:168 Resp: 622267

Ion Ratio Lower Upper

168 100

139 40.3 30.6 46.0

169 13.6 10.8 16.2



#56

4-Nitrophenol

Concen: 44.180 ng

RT: 9.963 min Scan# 1338

Delta R.T. 0.006 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

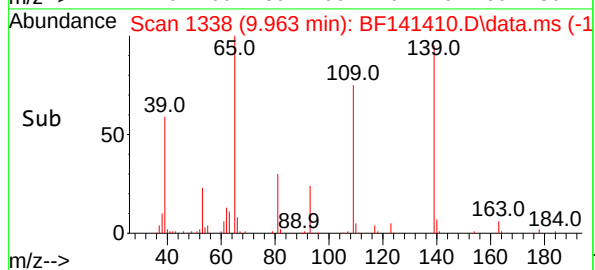
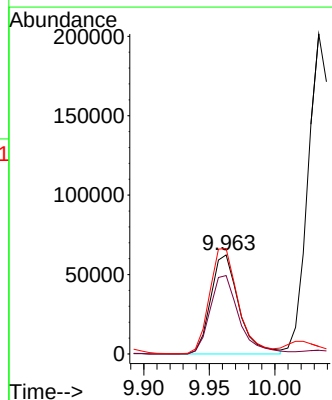
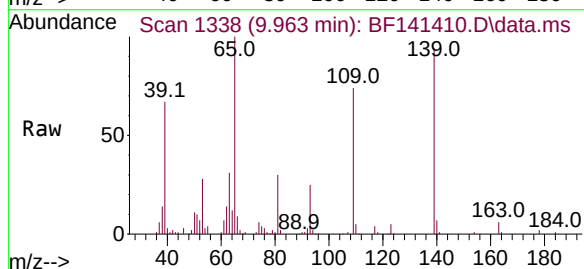
Tgt Ion:139 Resp: 93228

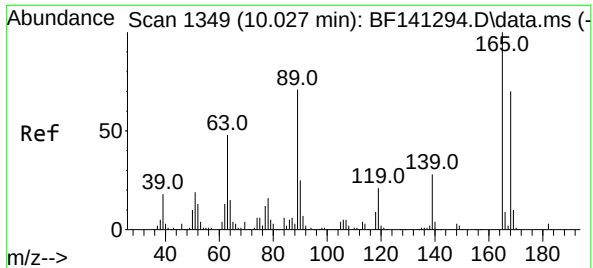
Ion Ratio Lower Upper

139 100

109 79.2 50.2 90.2

65 106.5 80.6 120.6

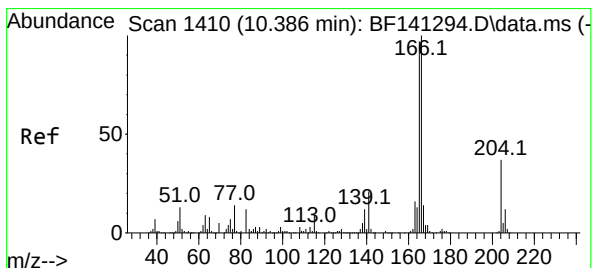
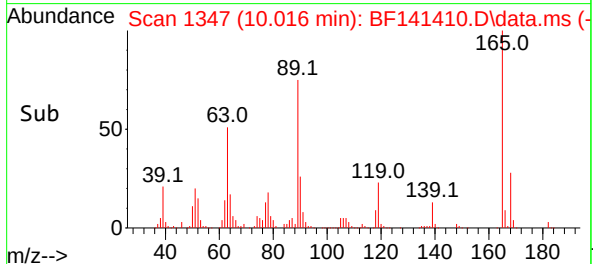
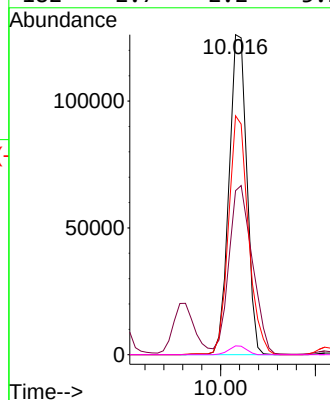
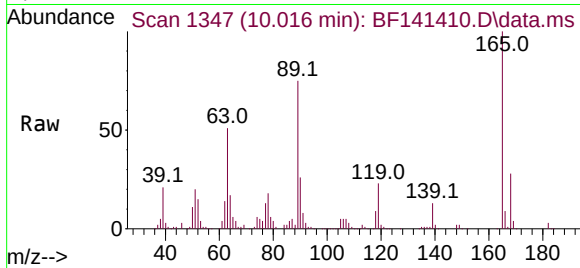




#57
2,4-Dinitrotoluene
Concen: 43.245 ng
RT: 10.016 min Scan# 1409
Delta R.T. -0.018 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

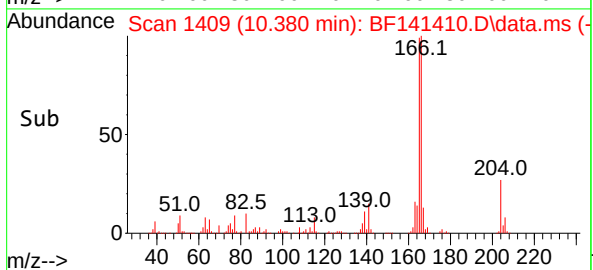
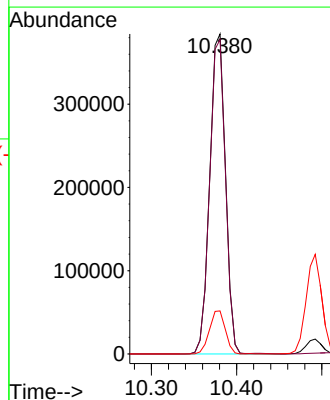
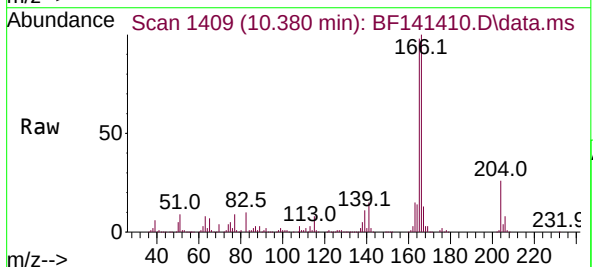
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

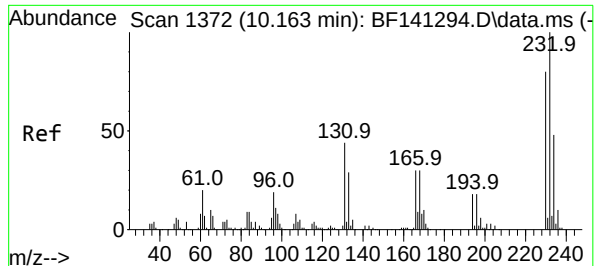
Tgt Ion:165 Resp: 164833
Ion Ratio Lower Upper
165 100
63 51.3 39.2 58.8
89 74.7 56.9 85.3
182 2.7 2.2 3.2



#58
Fluorene
Concen: 41.680 ng
RT: 10.380 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:166 Resp: 493864
Ion Ratio Lower Upper
166 100
165 98.3 77.5 116.3
167 13.4 10.9 16.3

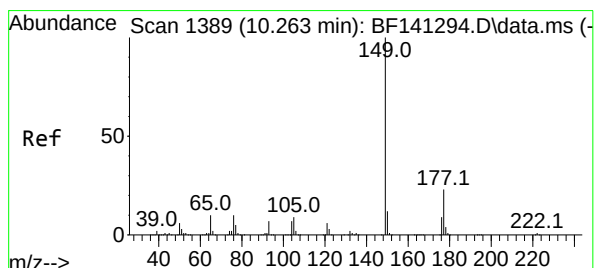
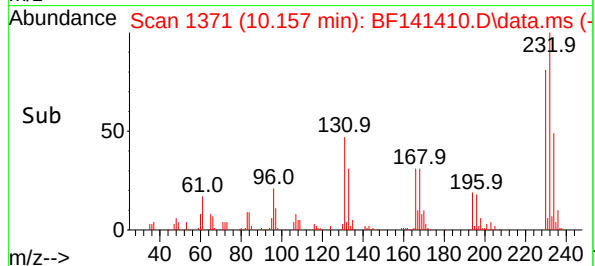
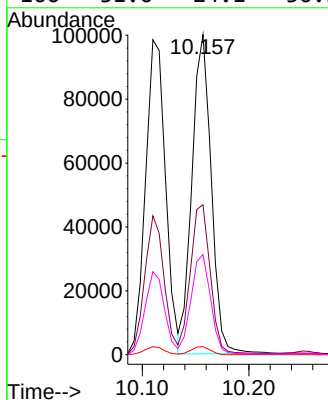
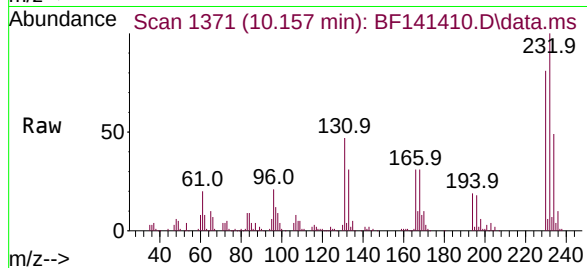




#59
2,3,4,6-Tetrachlorophenol
Concen: 42.135 ng
RT: 10.157 min Scan# 1371
Delta R.T. -0.006 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

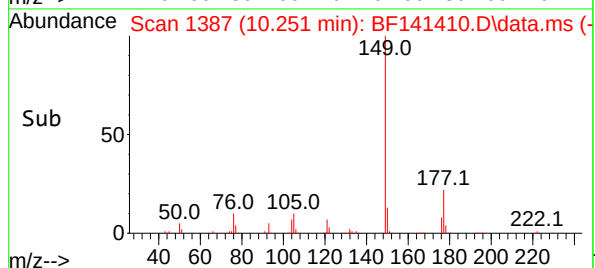
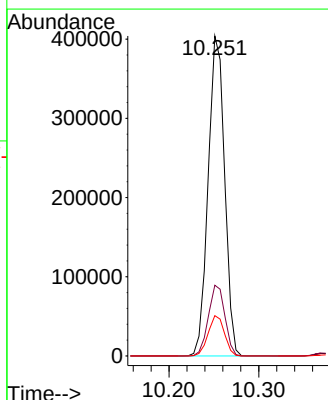
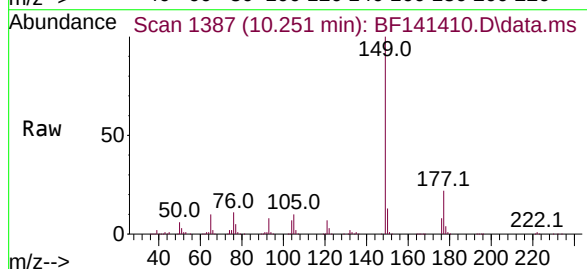
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

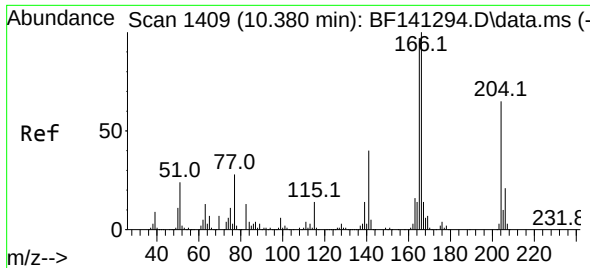
Tgt Ion:232 Resp: 126118
Ion Ratio Lower Upper
232 100
131 49.0 36.4 54.6
130 2.5 1.9 2.9
166 31.6 24.1 36.1



#60
Diethylphthalate
Concen: 41.811 ng
RT: 10.251 min Scan# 1387
Delta R.T. -0.018 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:149 Resp: 514014
Ion Ratio Lower Upper
149 100
177 22.1 18.5 27.7
150 12.6 10.0 15.0

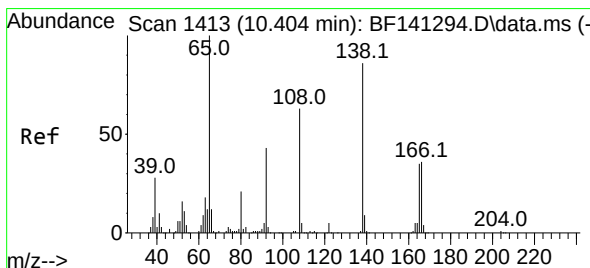
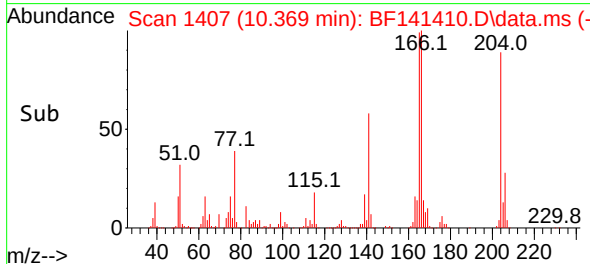
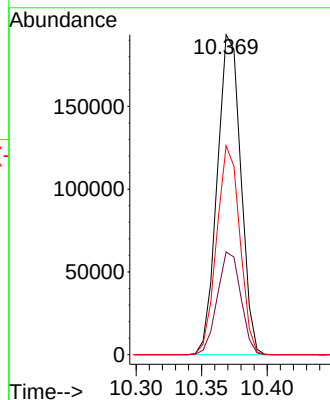
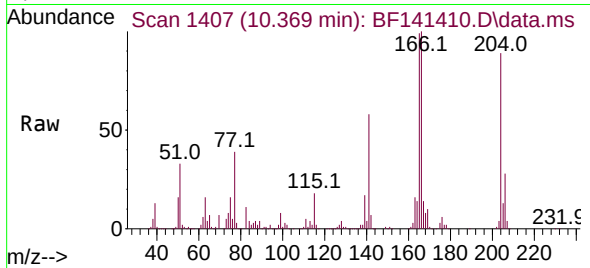




#61
4-Chlorophenyl-phenylether
Concen: 41.757 ng
RT: 10.369 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

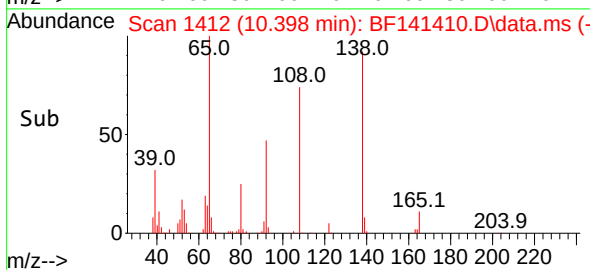
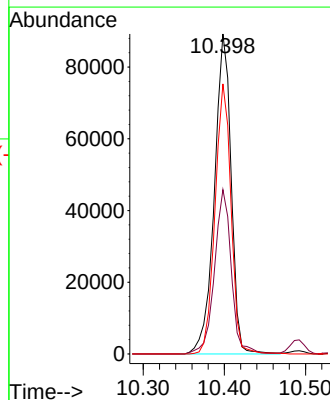
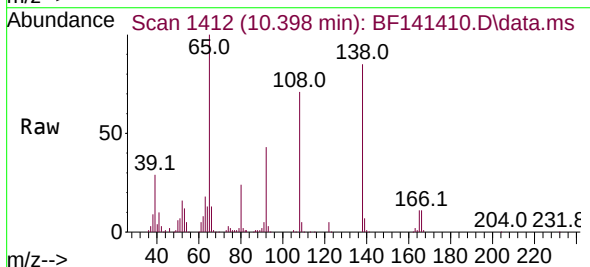
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

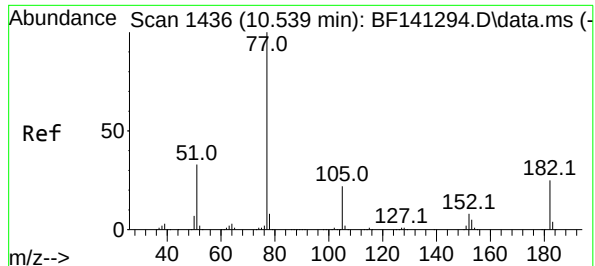
Tgt Ion:204 Resp: 241686
Ion Ratio Lower Upper
204 100
206 32.1 25.9 38.9
141 65.3 49.5 74.3



#62
4-Nitroaniline
Concen: 45.227 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.018 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:138 Resp: 128297
Ion Ratio Lower Upper
138 100
92 51.4 30.1 70.1
108 84.4 53.1 93.1

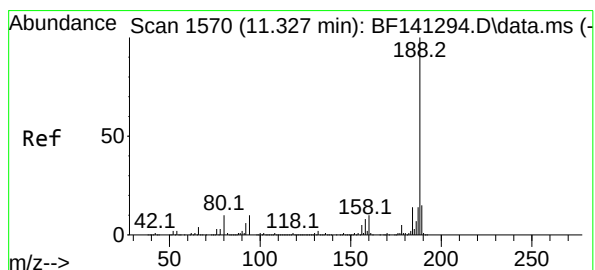
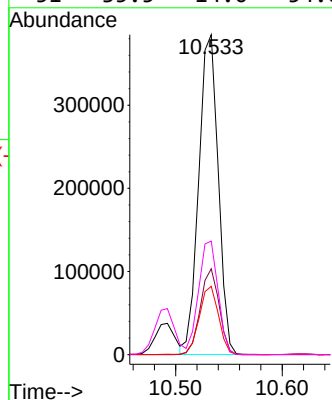
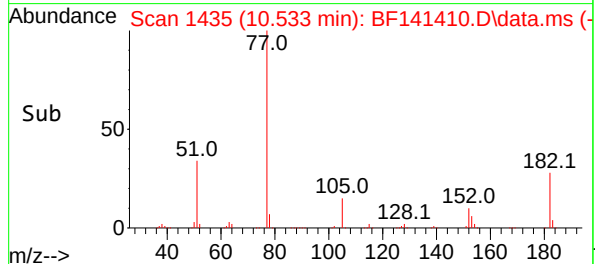
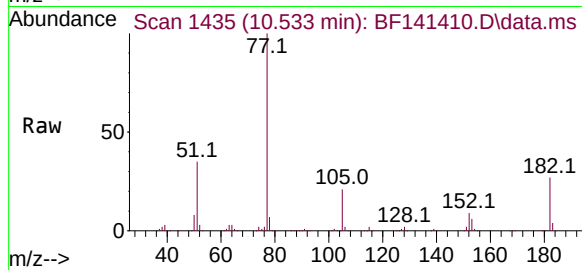




#63
Azobenzene
Concen: 39.824 ng
RT: 10.533 min Scan# 1435
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

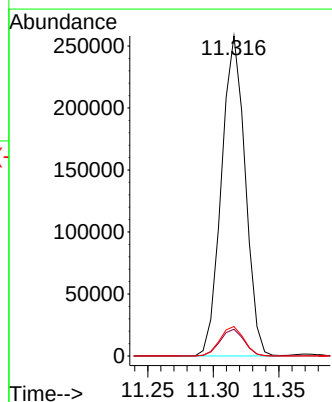
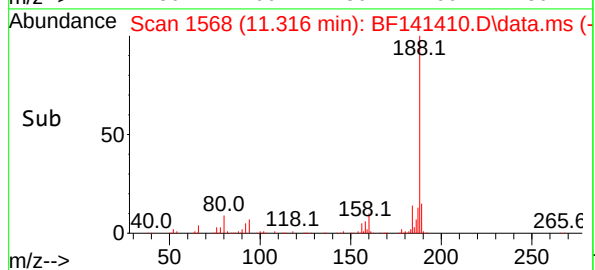
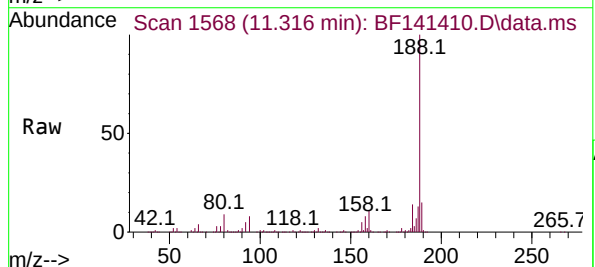
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

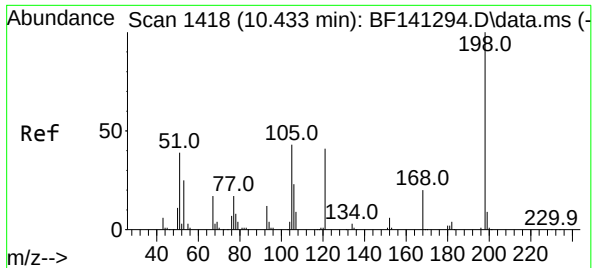
Tgt Ion: 77 Resp: 490065
Ion Ratio Lower Upper
77 100
182 26.9 5.1 45.1
105 21.3 1.8 41.8
51 35.5 14.0 54.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion: 188 Resp: 325046
Ion Ratio Lower Upper
188 100
94 8.3 7.8 11.6
80 9.2 8.2 12.4

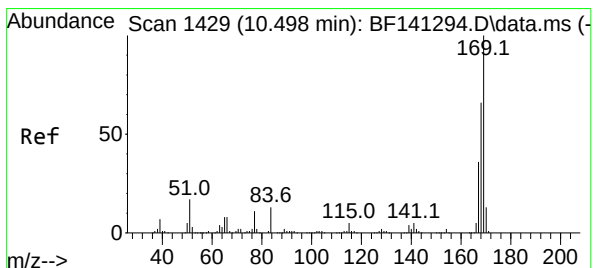
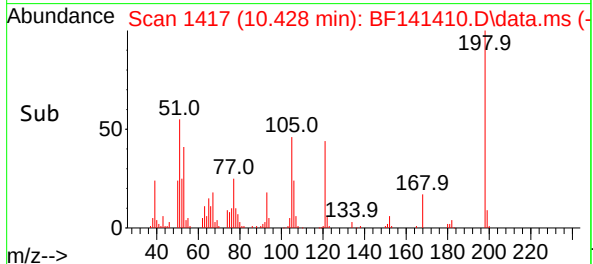
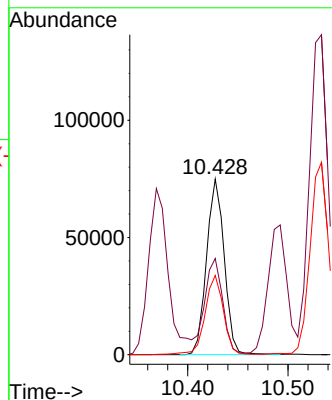
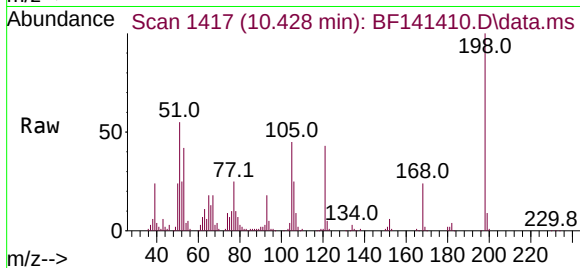




#65
4,6-Dinitro-2-methylphenol
Concen: 47.978 ng
RT: 10.428 min Scan# 1418
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

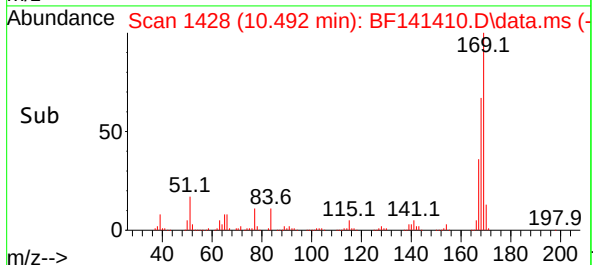
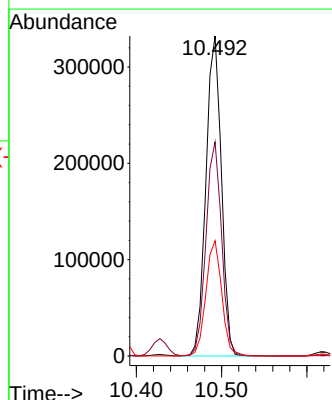
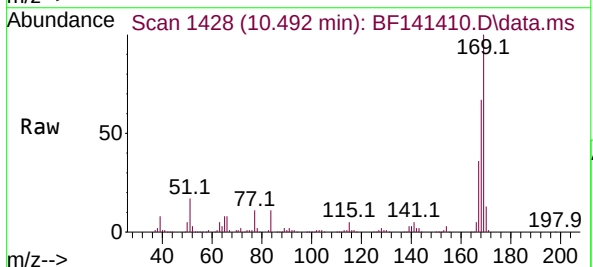
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

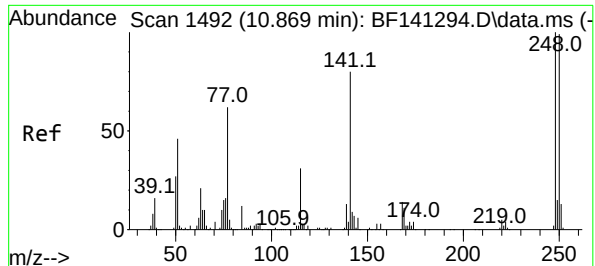
Tgt Ion:198 Resp: 92244
Ion Ratio Lower Upper
198 100
51 54.7 33.4 73.4
105 45.1 24.4 64.4



#66
n-Nitrosodiphenylamine
Concen: 39.757 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:169 Resp: 417972
Ion Ratio Lower Upper
169 100
168 66.9 53.0 79.4
167 36.0 28.8 43.2





#67

4-Bromophenyl-phenylether

Concen: 40.899 ng

RT: 10.863 min Scan# 1491

Delta R.T. -0.012 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

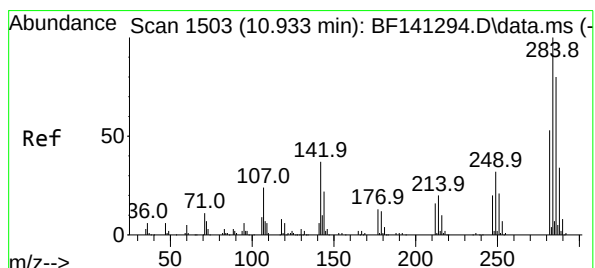
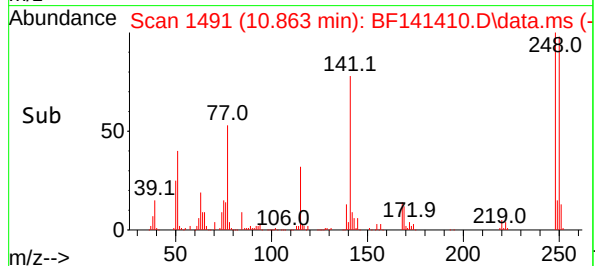
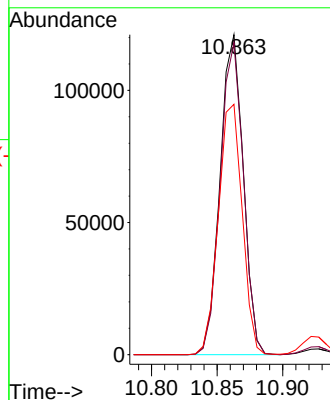
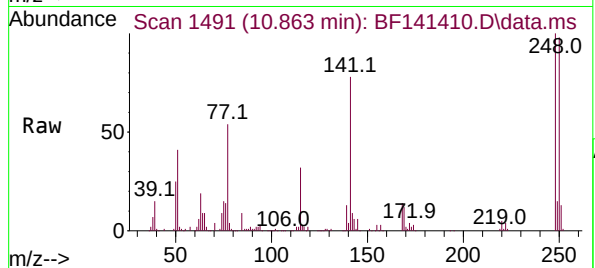
Tgt Ion:248 Resp: 148831

Ion Ratio Lower Upper

248 100

250 97.5 79.0 118.4

141 78.2 63.7 95.5



#68

Hexachlorobenzene

Concen: 41.684 ng

RT: 10.927 min Scan# 1502

Delta R.T. -0.012 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

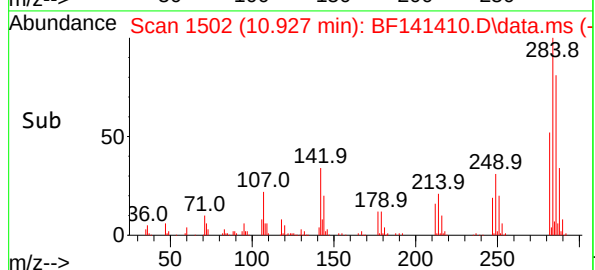
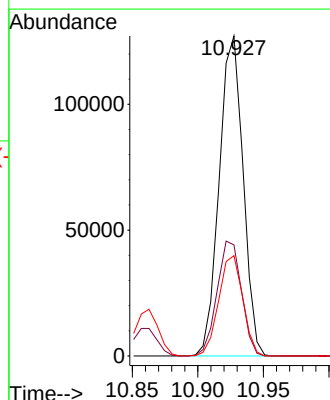
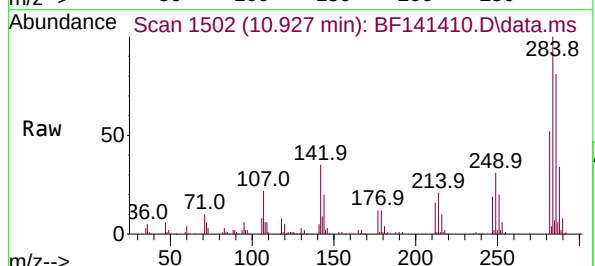
Tgt Ion:284 Resp: 160903

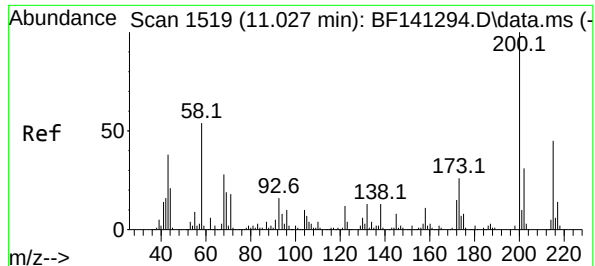
Ion Ratio Lower Upper

284 100

142 34.7 29.5 44.3

249 31.4 25.4 38.2





#69

Atrazine

Concen: 39.071 ng

RT: 11.016 min Scan# 1517

Delta R.T. -0.018 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

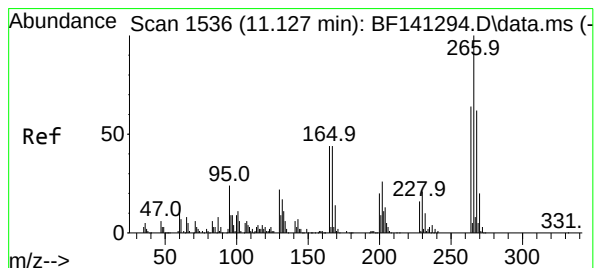
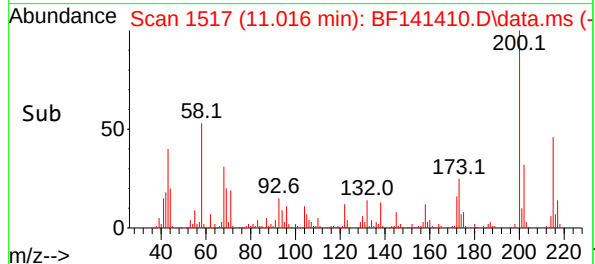
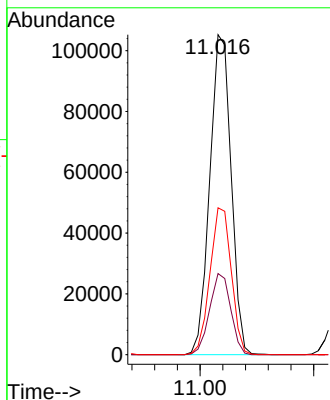
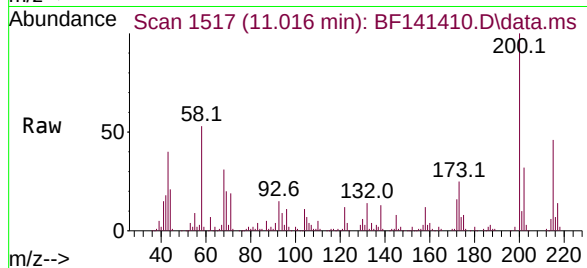
Tgt Ion:200 Resp: 137337

Ion Ratio Lower Upper

200 100

173 25.3 5.9 45.9

215 45.9 25.2 65.2



#70

Pentachlorophenol

Concen: 45.399 ng

RT: 11.122 min Scan# 1535

Delta R.T. -0.012 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

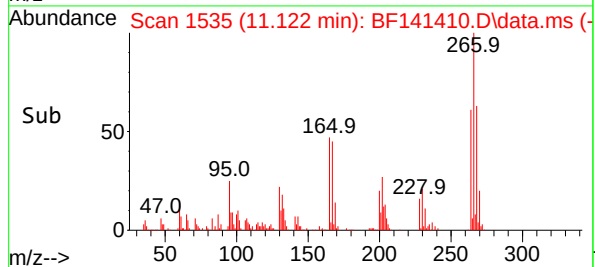
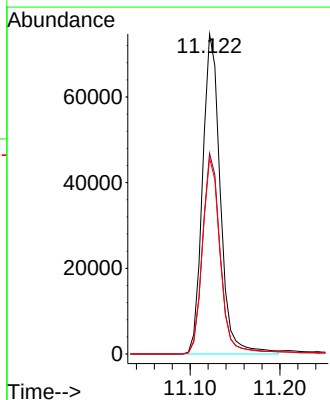
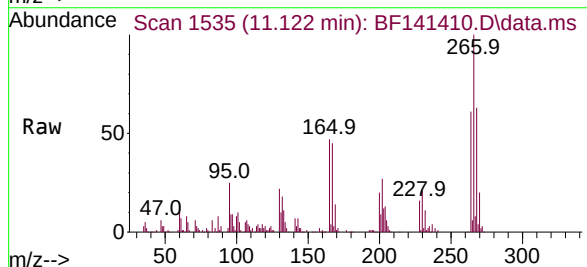
Tgt Ion:266 Resp: 102619

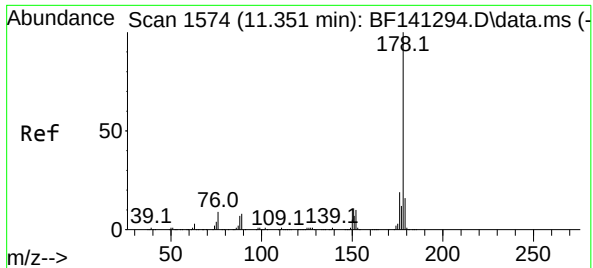
Ion Ratio Lower Upper

266 100

268 62.7 49.9 74.9

264 61.2 51.0 76.4

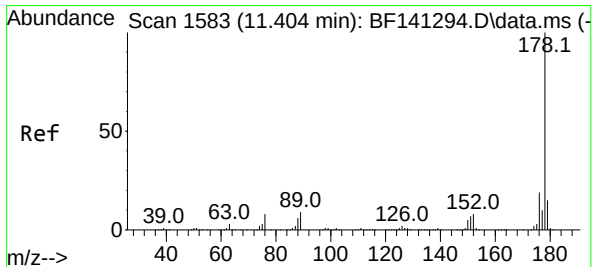
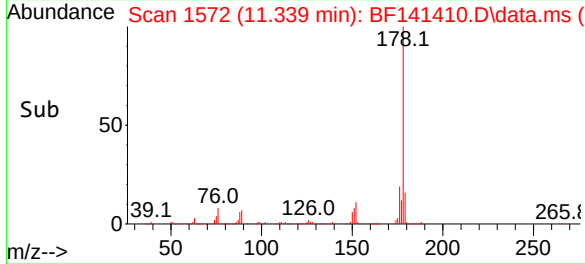
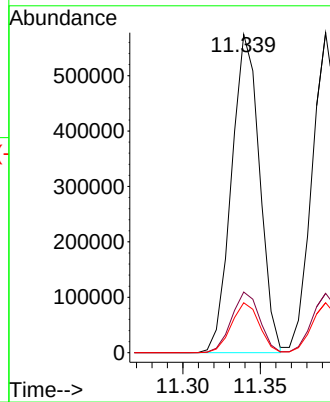
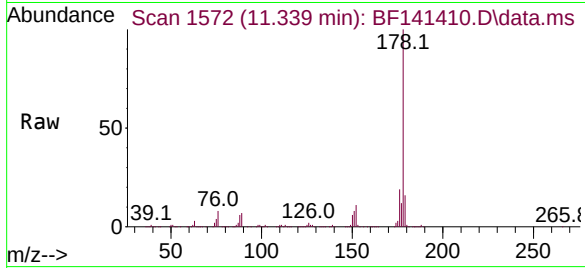




#71
Phenanthrene
Concen: 41.409 ng
RT: 11.339 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

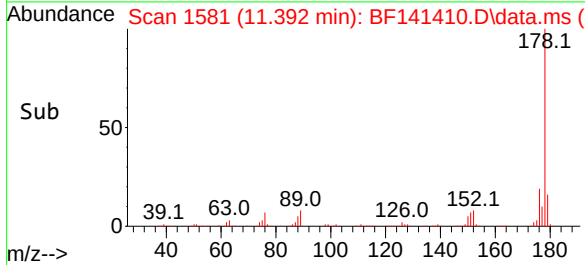
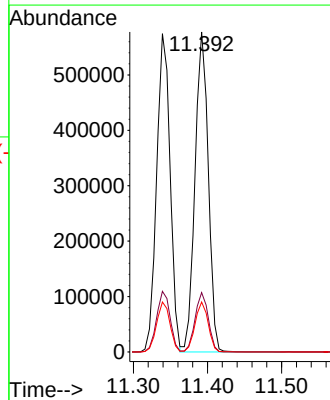
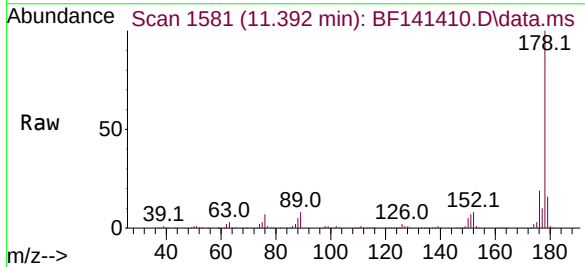
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

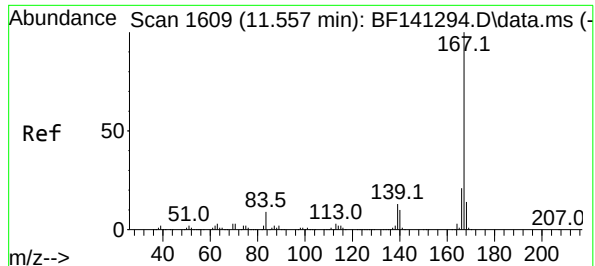
Tgt Ion:178 Resp: 723529
Ion Ratio Lower Upper
178 100
176 19.0 15.3 22.9
179 15.7 12.5 18.7



#72
Anthracene
Concen: 41.850 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

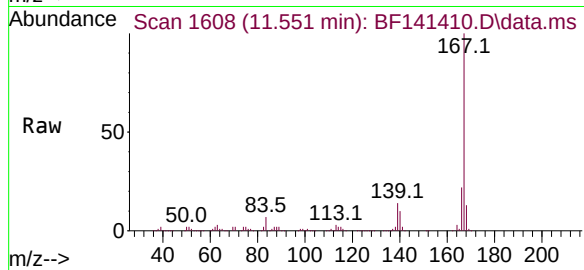
Tgt Ion:178 Resp: 716469
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.6
179 15.6 12.3 18.5



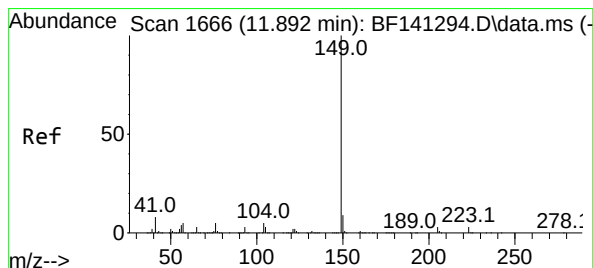
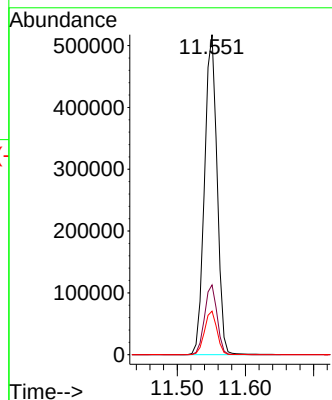
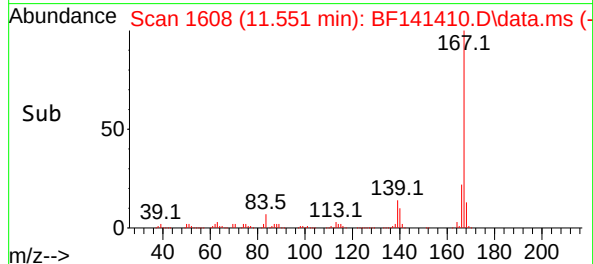


#73
Carbazole
Concen: 43.663 ng
RT: 11.551 min Scan# 1608
Delta R.T. -0.006 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

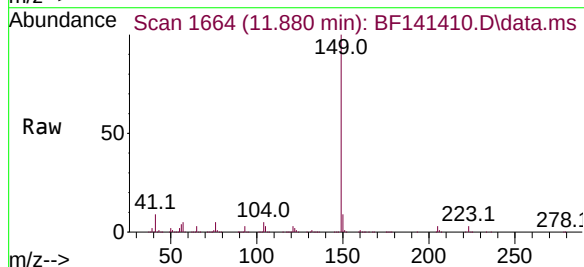
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



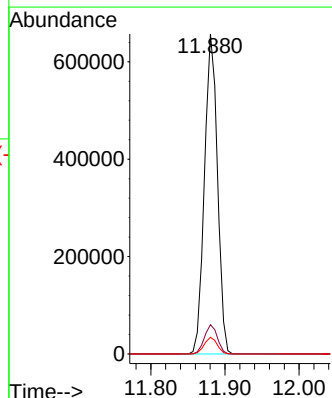
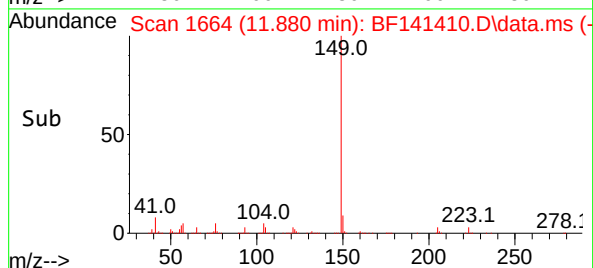
Tgt Ion:167 Resp: 662834
Ion Ratio Lower Upper
167 100
166 21.8 17.0 25.6
139 13.6 10.6 16.0

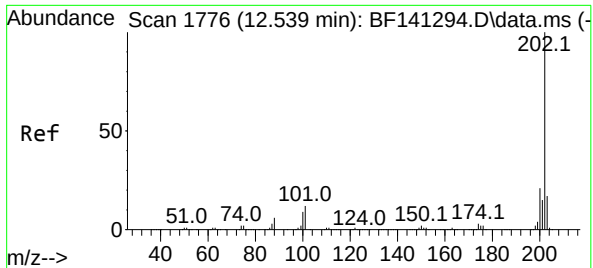


#74
Di-n-butylphthalate
Concen: 43.495 ng
RT: 11.880 min Scan# 1664
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58



Tgt Ion:149 Resp: 800193
Ion Ratio Lower Upper
149 100
150 9.2 7.4 11.2
104 5.2 3.9 5.9

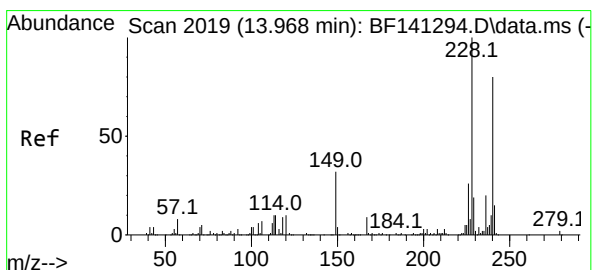
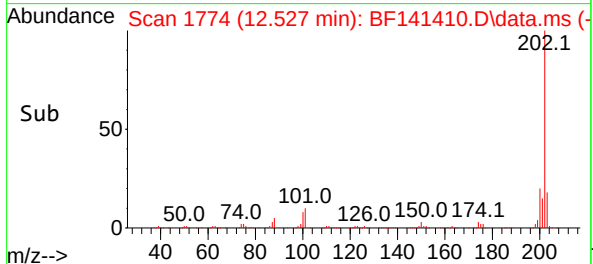
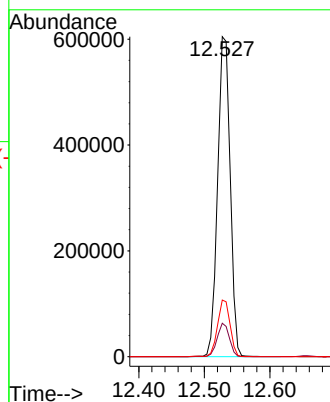
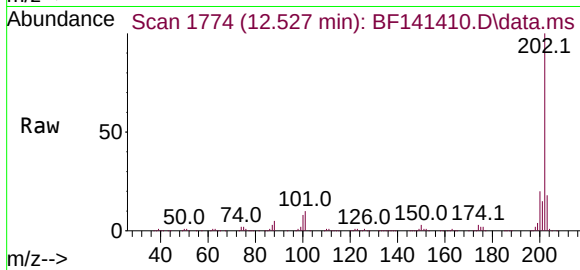




#75
Fluoranthene
Concen: 46.442 ng
RT: 12.527 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

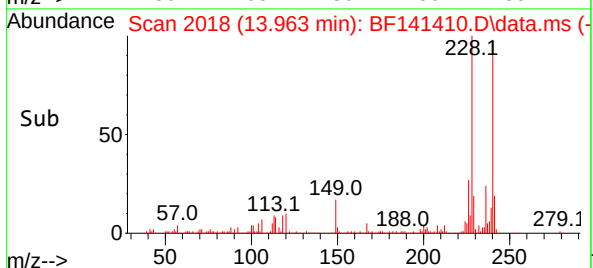
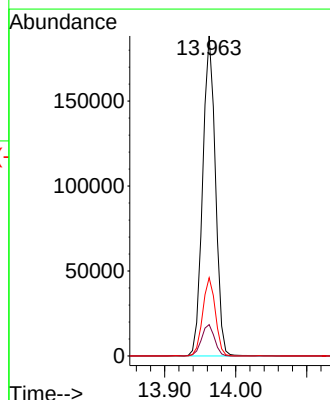
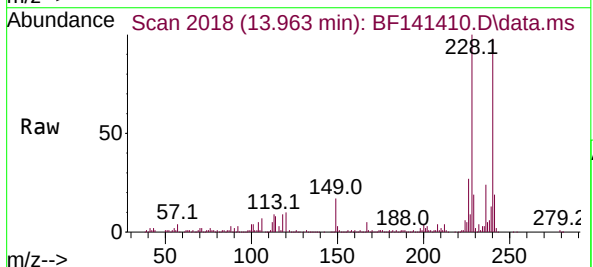
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

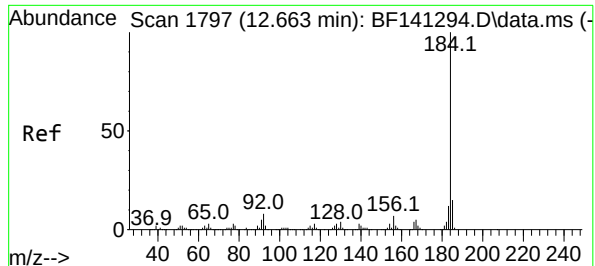
Tgt Ion:202 Resp: 801222
Ion Ratio Lower Upper
202 100
101 10.5 0.0 31.7
203 17.7 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:240 Resp: 235785
Ion Ratio Lower Upper
240 100
120 9.8 10.0 15.0#
236 24.4 19.7 29.5





#77

Benzidine

Concen: 39.706 ng

RT: 12.657 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

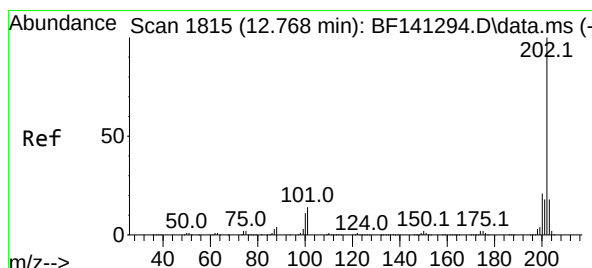
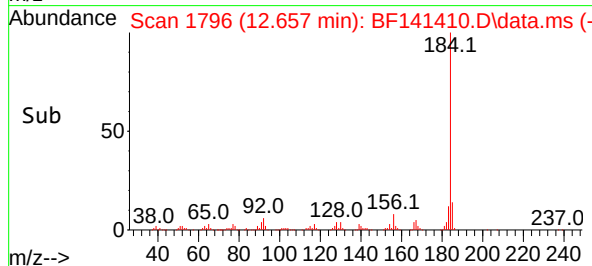
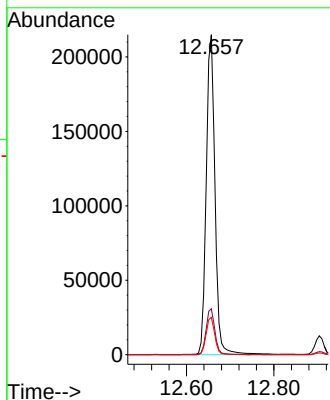
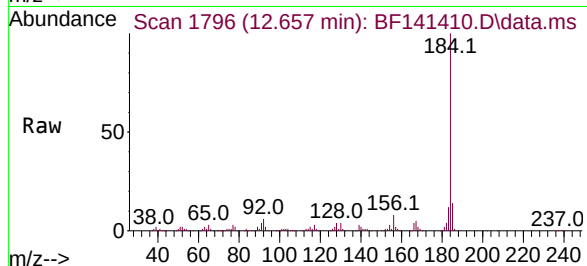
Tgt Ion:184 Resp: 300130

Ion Ratio Lower Upper

184 100

185 14.4 11.9 17.9

183 11.6 9.5 14.3



#78

Pyrene

Concen: 36.091 ng

RT: 12.757 min Scan# 1813

Delta R.T. -0.012 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

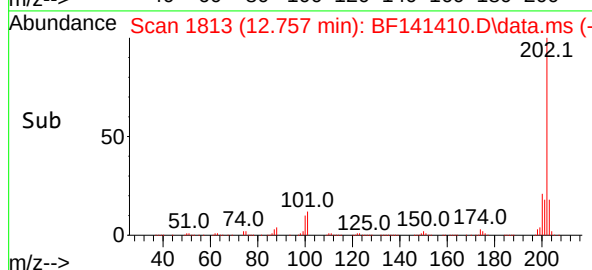
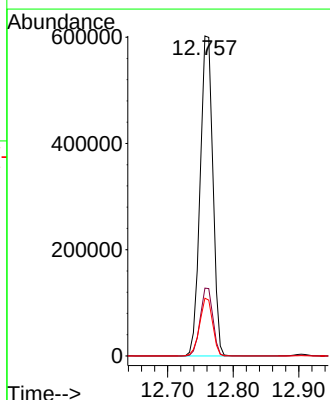
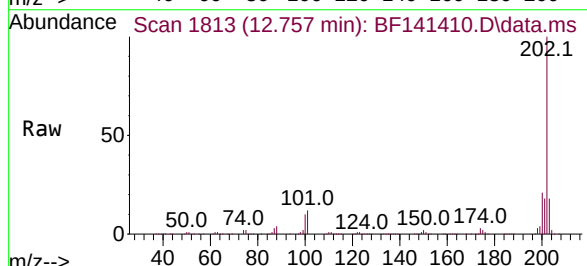
Tgt Ion:202 Resp: 816862

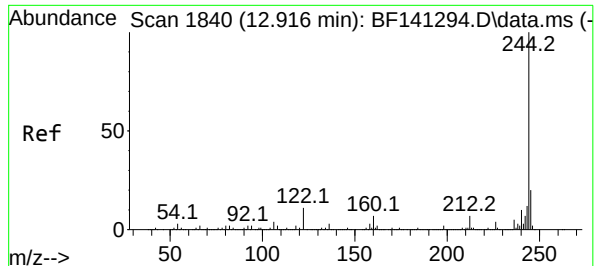
Ion Ratio Lower Upper

202 100

200 21.2 17.0 25.4

203 18.1 14.3 21.5





#79

Terphenyl-d14

Concen: 75.722 ng

RT: 12.904 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

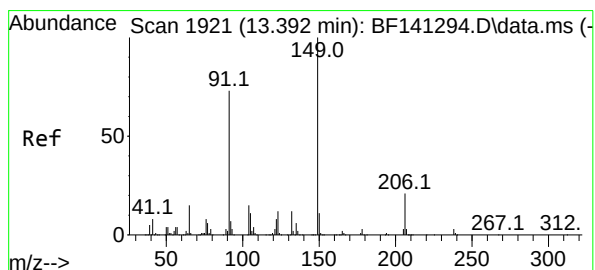
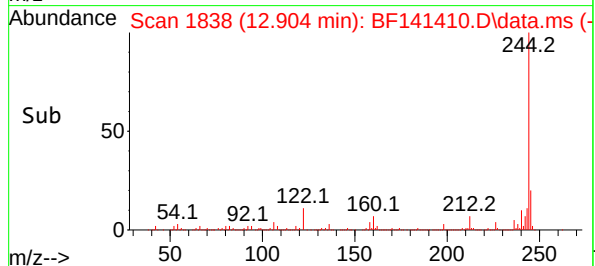
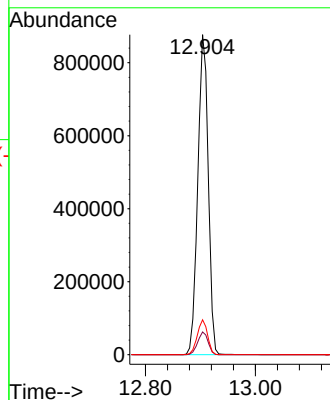
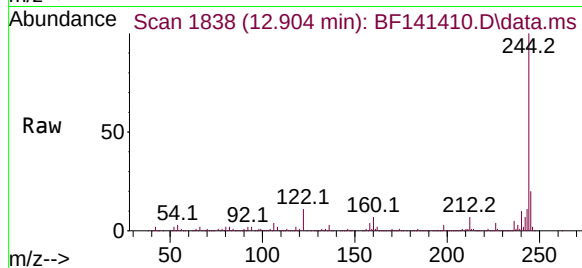
Tgt Ion:244 Resp: 1157717

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

122 10.9 8.8 13.2



#80

Butylbenzylphthalate

Concen: 40.003 ng

RT: 13.380 min Scan# 1919

Delta R.T. -0.012 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

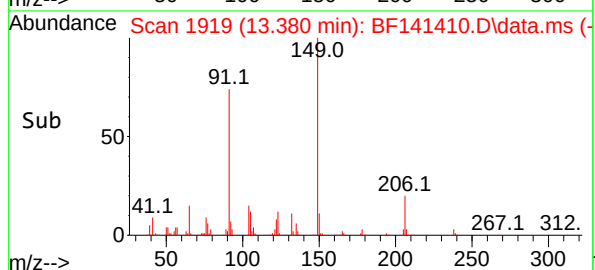
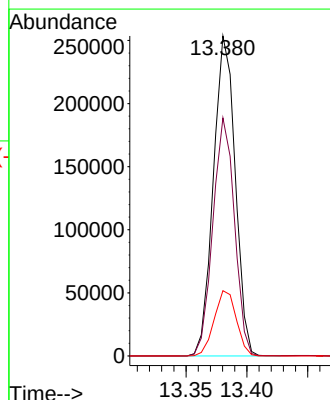
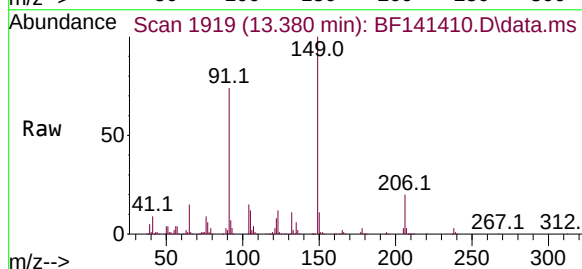
Tgt Ion:149 Resp: 316309

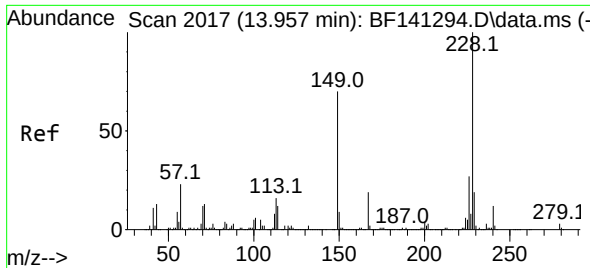
Ion Ratio Lower Upper

149 100

91 74.4 58.6 87.8

206 20.4 16.7 25.1

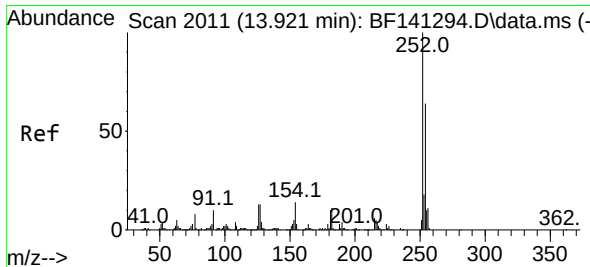
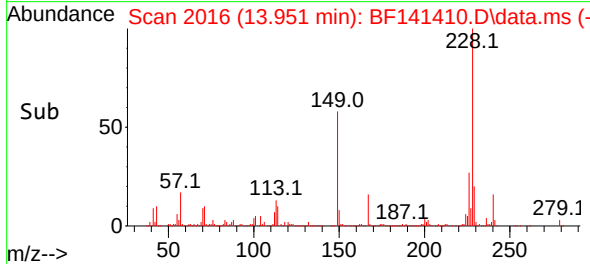
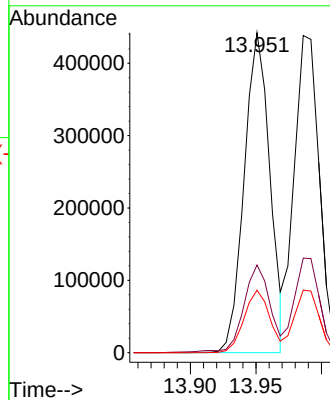
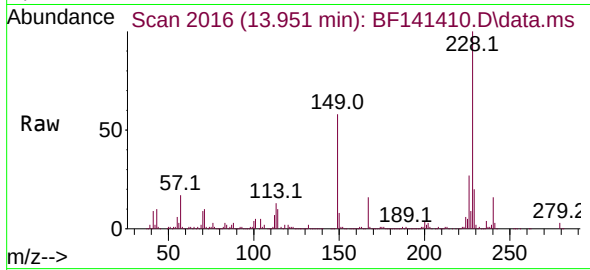




#81
Benzo(a)anthracene
Concen: 37.039 ng
RT: 13.951 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

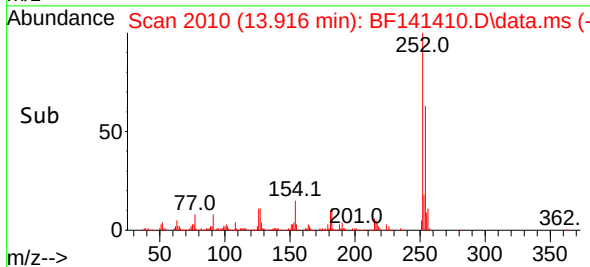
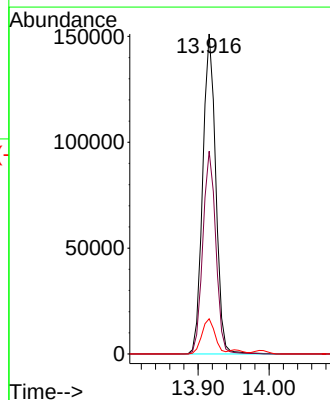
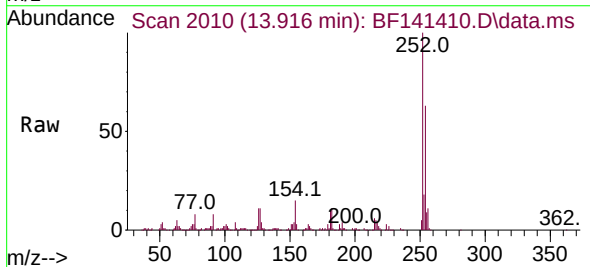
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

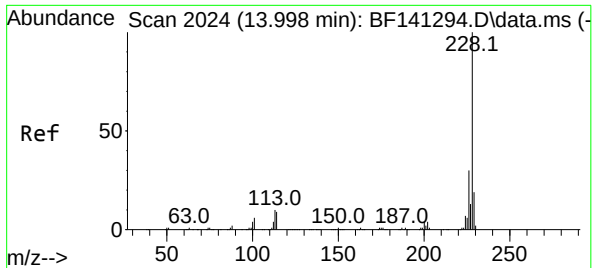
Tgt Ion:228 Resp: 602639
Ion Ratio Lower Upper
228 100
226 27.4 21.4 32.2
229 19.5 15.5 23.3



#82
3,3'-Dichlorobenzidine
Concen: 37.342 ng
RT: 13.916 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:252 Resp: 193238
Ion Ratio Lower Upper
252 100
254 63.4 51.3 76.9
126 11.0 10.0 15.0

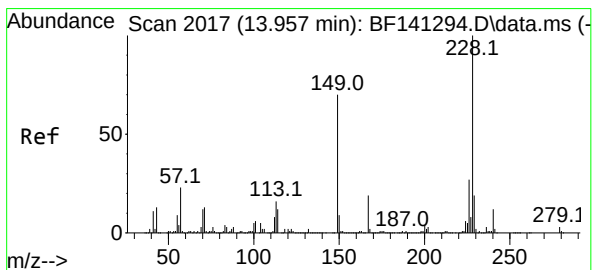
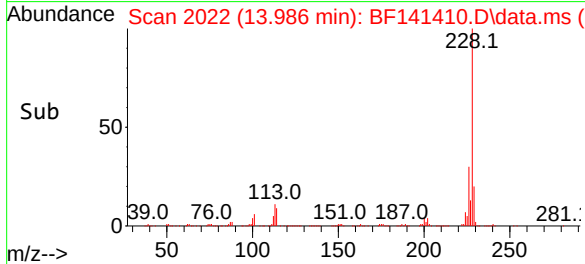
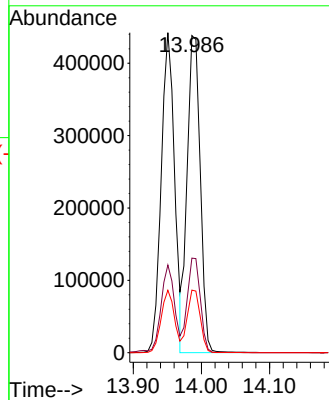
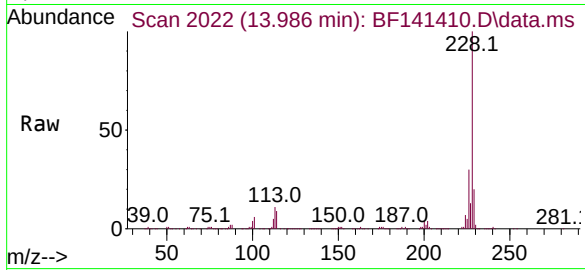




#83
Chrysene
Concen: 39.150 ng
RT: 13.986 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

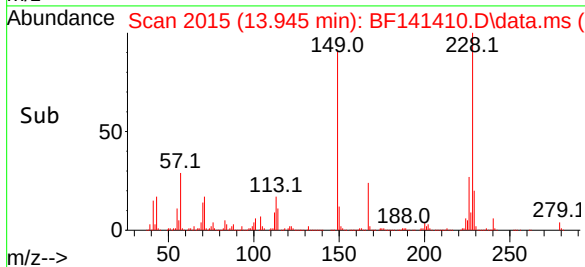
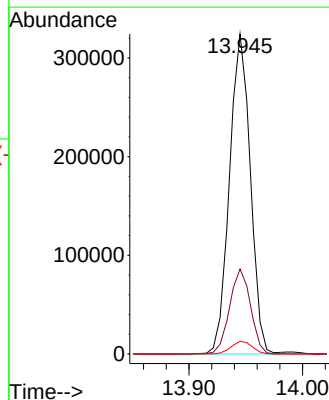
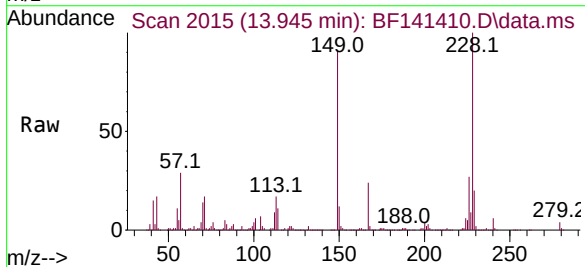
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

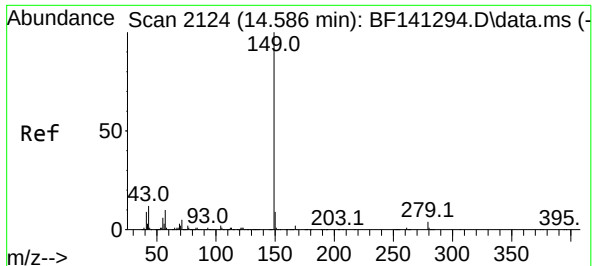
Tgt Ion:228 Resp: 583785
Ion Ratio Lower Upper
228 100
226 29.8 24.1 36.1
229 19.7 15.6 23.4



#84
Bis(2-ethylhexyl)phthalate
Concen: 41.225 ng
RT: 13.945 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:149 Resp: 413503
Ion Ratio Lower Upper
149 100
167 26.5 21.8 32.8
279 3.9 3.3 4.9

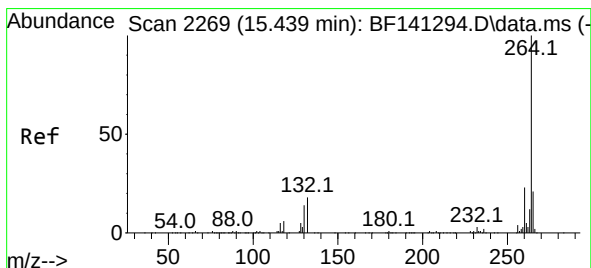
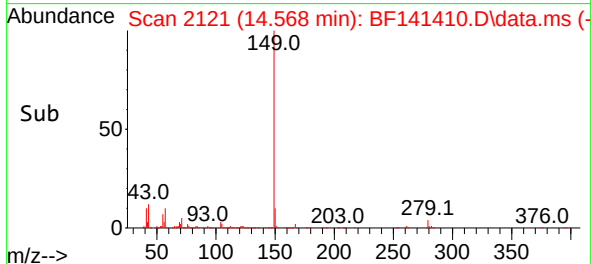
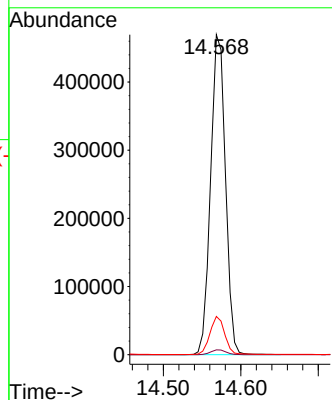
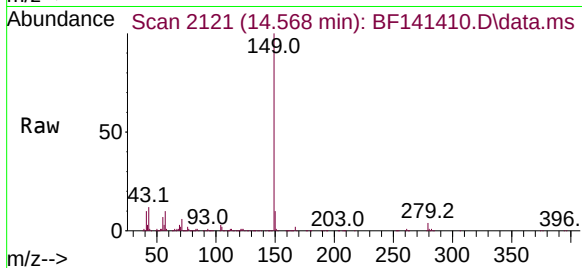




#85
Di-n-octyl phthalate
Concen: 40.161 ng
RT: 14.568 min Scan# 2121
Delta R.T. -0.018 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

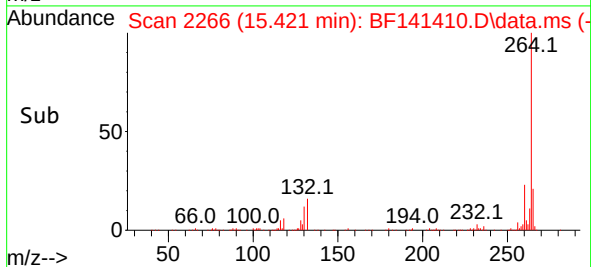
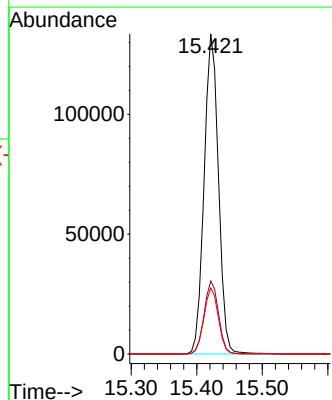
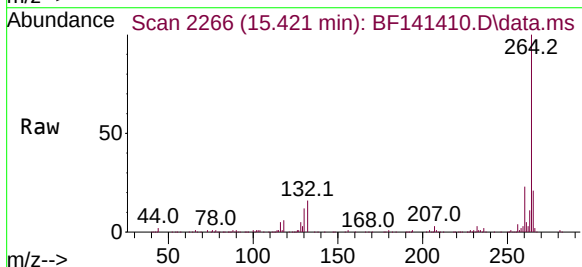
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

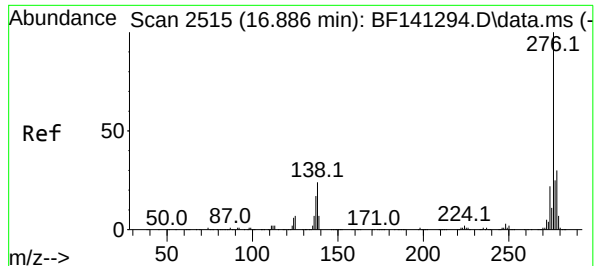
Tgt Ion:149 Resp: 625670
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 11.9 9.8 14.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2266
Delta R.T. -0.018 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:264 Resp: 203742
Ion Ratio Lower Upper
264 100
260 22.8 18.6 27.8
265 20.6 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 40.413 ng

RT: 16.868 min Scan# 2195

Delta R.T. -0.030 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

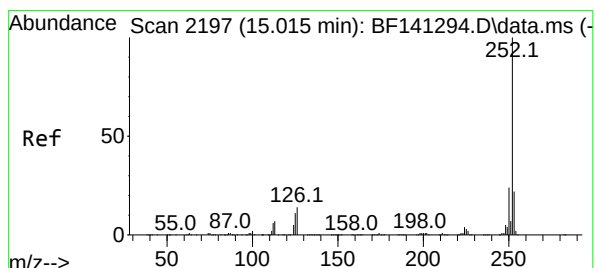
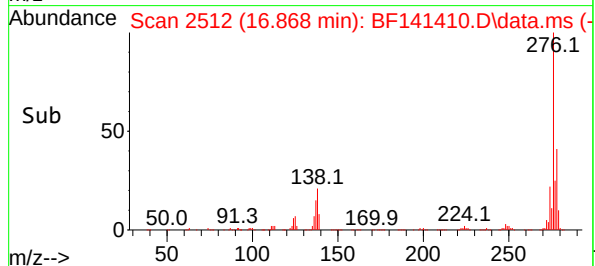
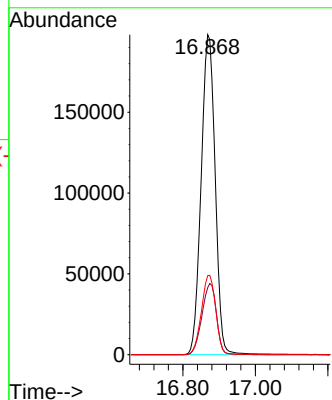
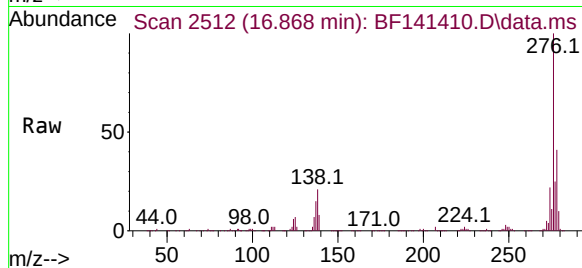
Tgt Ion:276 Resp: 531435

Ion Ratio Lower Upper

276 100

138 22.9 21.7 32.5

277 25.4 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 40.568 ng

RT: 15.004 min Scan# 2195

Delta R.T. -0.018 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

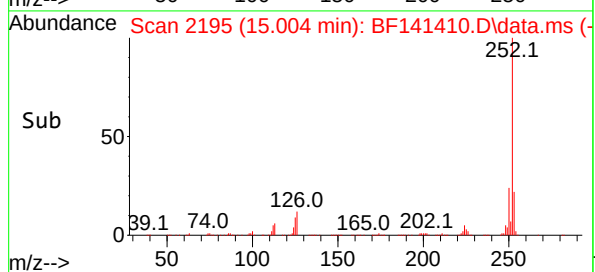
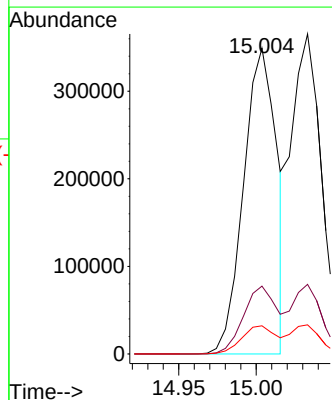
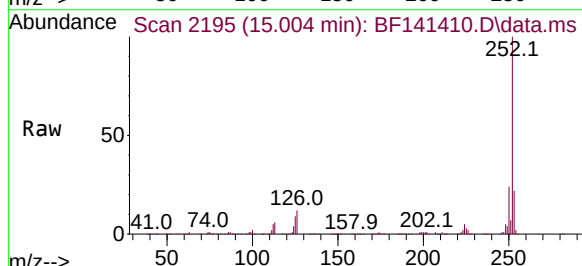
Tgt Ion:252 Resp: 519917

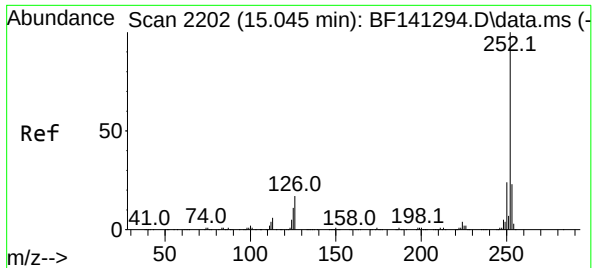
Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.2

125 9.2 8.6 12.8





#89

Benzo(k)fluoranthene

Concen: 43.621 ng

RT: 15.033 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

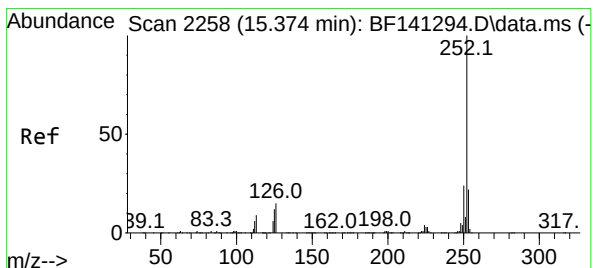
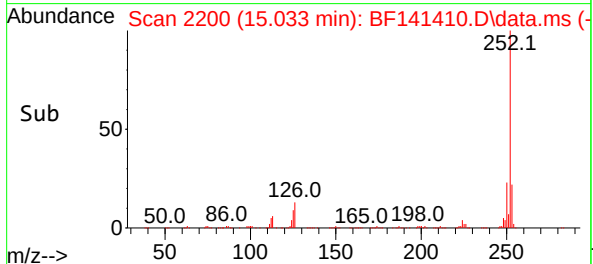
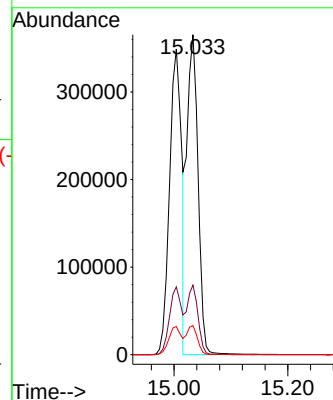
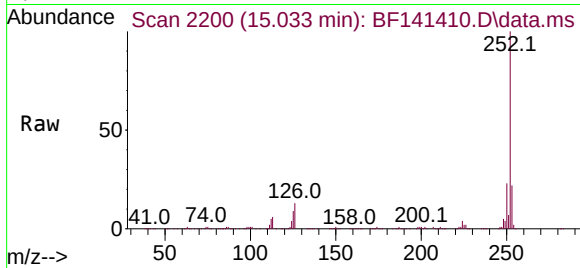
Tgt Ion:252 Resp: 495242

Ion Ratio Lower Upper

252 100

253 21.8 17.6 26.4

125 9.1 8.4 12.6



#90

Benzo(a)pyrene

Concen: 41.076 ng

RT: 15.362 min Scan# 2256

Delta R.T. -0.018 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

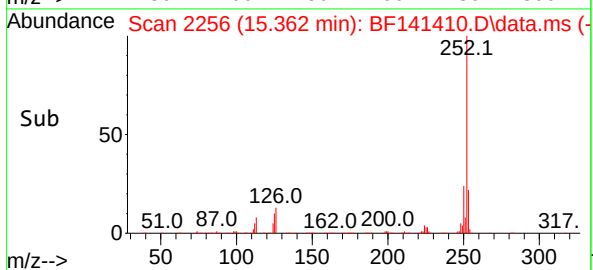
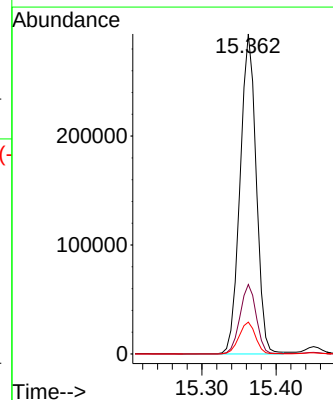
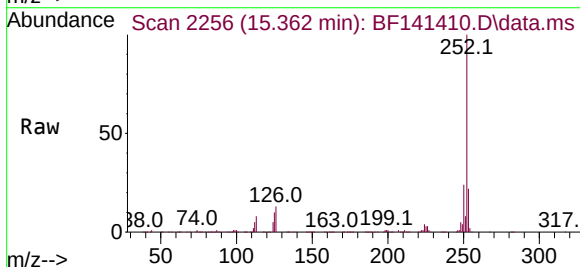
Tgt Ion:252 Resp: 444854

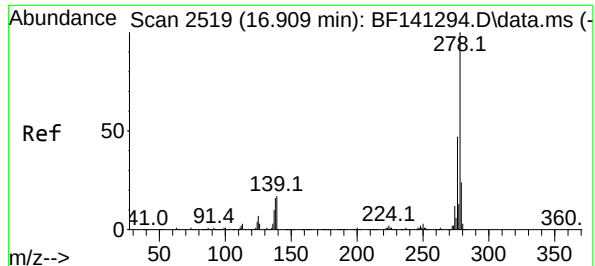
Ion Ratio Lower Upper

252 100

253 21.7 17.2 25.8

125 10.0 9.4 14.2





#91

Dibenzo(a,h)anthracene

Concen: 40.648 ng

RT: 16.886 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

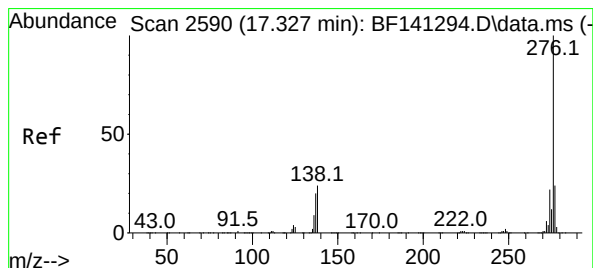
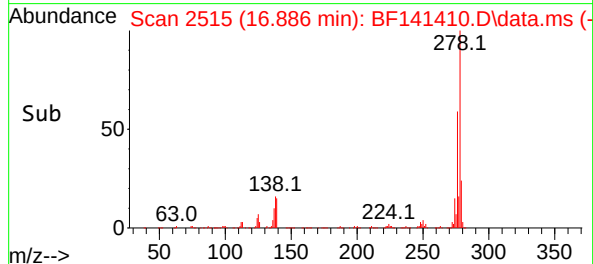
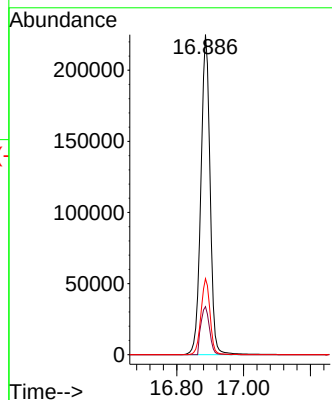
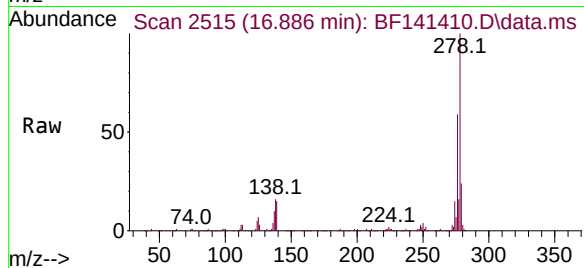
Tgt Ion:278 Resp: 430043

Ion Ratio Lower Upper

278 100

139 15.0 13.9 20.9

279 23.7 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 39.851 ng

RT: 17.304 min Scan# 2586

Delta R.T. -0.041 min

Lab File: BF141410.D

Acq: 04 Feb 2025 15:58

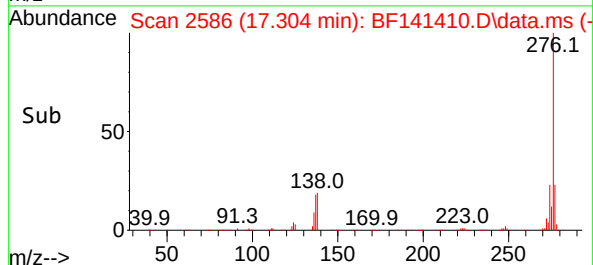
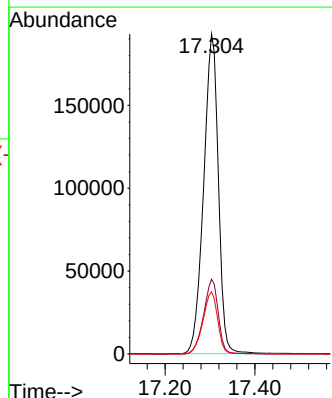
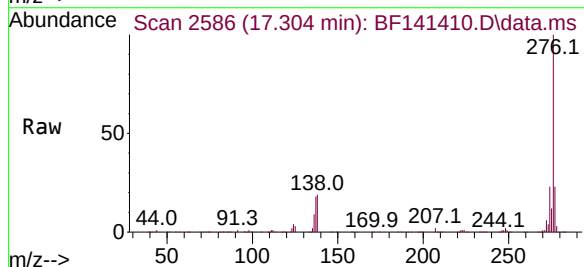
Tgt Ion:276 Resp: 438392

Ion Ratio Lower Upper

276 100

277 23.3 19.2 28.8

138 19.4 19.0 28.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
 Data File : BF141410.D
 Acq On : 04 Feb 2025 15:58
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Feb 04 17:19:20 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	66	-0.01
2	1,4-Dioxane	0.573	0.535	6.6	66	-0.04
3	Pyridine	1.380	1.264	8.4	63	-0.05
4	n-Nitrosodimethylamine	0.789	0.823	-4.3	72	-0.06
5 S	2-Fluorophenol	1.303	1.284	1.5	70	0.00
6	Aniline	1.403	1.284	8.5	62	-0.02
7 S	Phenol-d6	1.657	1.572	5.1	68	0.00
8	2-Chlorophenol	1.396	1.368	2.0	70	-0.01
9	Benzaldehyde	0.960	1.013	-5.5	75	-0.01
10 C	Phenol	1.757	1.636	6.9	66	0.00
11	bis(2-Chloroethyl)ether	1.347	1.259	6.5	67	-0.02
12	1,3-Dichlorobenzene	1.540	1.532	0.5	71	-0.02
13 C	1,4-Dichlorobenzene	1.547	1.553	-0.4	72	-0.01
14	1,2-Dichlorobenzene	1.448	1.446	0.1	71	-0.01
15	Benzyl Alcohol	1.133	1.180	-4.1	72	-0.01
16	2,2'-oxybis(1-Chloropropane	2.342	2.088	10.8	63	-0.01
17	2-Methylphenol	1.135	1.080	4.8	68	0.00
18	Hexachloroethane	0.571	0.577	-1.1	72	-0.01
19 P	n-Nitroso-di-n-propylamine	0.985	0.944	4.2	69	-0.02
20	3+4-Methylphenols	1.393	1.396	-0.2	71	-0.01
21 I	Naphthalene-d8	1.000	1.000	0.0	66	-0.01
22	Acetophenone	0.475	0.494	-4.0	74	-0.02
23 S	Nitrobenzene-d5	0.379	0.388	-2.4	72	-0.01
24	Nitrobenzene	0.393	0.393	0.0	69	-0.02
25	Isophorone	0.656	0.640	2.4	69	-0.02
26 C	2-Nitrophenol	0.185	0.192	-3.8	71	-0.01
27	2,4-Dimethylphenol	0.236	0.228	3.4	67	0.00
28	bis(2-Chloroethoxy)methane	0.418	0.398	4.8	67	-0.02
29 C	2,4-Dichlorophenol	0.289	0.292	-1.0	71	0.00
30	1,2,4-Trichlorobenzene	0.330	0.337	-2.1	73	-0.01
31	Naphthalene	1.057	1.049	0.8	70	-0.01
32	Benzoic acid	0.217	0.230	-6.0	68	-0.03
33	4-Chloroaniline	0.358	0.319	10.9	62	-0.01
34 C	Hexachlorobutadiene	0.194	0.208	-7.2	76	-0.01
35	Caprolactam	0.094	0.093	1.1	69	-0.03
36 C	4-Chloro-3-methylphenol	0.310	0.319	-2.9	73	0.00
37	2-Methylnaphthalene	0.672	0.673	-0.1	71	-0.01
38	1-Methylnaphthalene	0.660	0.657	0.5	71	-0.01
39 I	Acenaphthene-d10	1.000	1.000	0.0	66	-0.01
40	1,2,4,5-Tetrachlorobenzene	0.569	0.587	-3.2	73	-0.01
41 P	Hexachlorocyclopentadiene	0.168	0.185	-10.1	72	-0.01
42 S	2,4,6-Tribromophenol	0.183	0.206	-12.6	79	-0.01
43 C	2,4,6-Trichlorophenol	0.372	0.385	-3.5	70	0.00
44	2,4,5-Trichlorophenol	0.405	0.420	-3.7	74	0.00
45 S	2-Fluorobiphenyl	1.299	1.327	-2.2	74	-0.01
46	1,1'-Biphenyl	1.560	1.554	0.4	71	-0.01
47	2-Chloronaphthalene	1.216	1.203	1.1	71	-0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
 Data File : BF141410.D
 Acq On : 04 Feb 2025 15:58
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Feb 04 17:19:20 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	2-Nitroaniline	0.382	0.396	-3.7	72	0.00
49	Acenaphthylene	1.702	1.720	-1.1	72	-0.01
50	Dimethylphthalate	1.351	1.359	-0.6	73	-0.01
51	2,6-Dinitrotoluene	0.314	0.322	-2.5	72	-0.01
52 C	Acenaphthene	1.216	1.251	-2.9	74	-0.01
53	3-Nitroaniline	0.307	0.312	-1.6	68	-0.01
54 P	2,4-Dinitrophenol	0.146	0.175	-19.9	79	-0.01
55	Dibenzofuran	1.627	1.657	-1.8	72	-0.01
56 P	4-Nitrophenol	0.225	0.248	-10.2	74	0.00
57	2,4-Dinitrotoluene	0.406	0.439	-8.1	75	-0.02
58	Fluorene	1.262	1.315	-4.2	75	-0.01
59	2,3,4,6-Tetrachlorophenol	0.319	0.336	-5.3	73	0.00
60	Diethylphthalate	1.310	1.369	-4.5	74	-0.02
61	4-Chlorophenyl-phenylether	0.617	0.644	-4.4	75	-0.01
62	4-Nitroaniline	0.302	0.342	-13.2	78	-0.02
63	Azobenzene	1.311	1.305	0.5	71	-0.01
64 I	Phenanthrene-d10	1.000	1.000	0.0	71	-0.01
65	4,6-Dinitro-2-methylphenol	0.118	0.142	-20.3	80	-0.01
66 c	n-Nitrosodiphenylamine	0.647	0.643	0.6	73	-0.01
67	4-Bromophenyl-phenylether	0.224	0.229	-2.2	75	-0.01
68	Hexachlorobenzene	0.238	0.248	-4.2	77	-0.01
69	Atrazine	0.216	0.211	2.3	70	-0.02
70 C	Pentachlorophenol	0.139	0.158	-13.7	78	-0.01
71	Phenanthrene	1.075	1.113	-3.5	77	-0.01
72	Anthracene	1.053	1.102	-4.7	77	-0.01
73	Carbazole	0.934	1.020	-9.2	80	0.00
74	Di-n-butylphthalate	1.132	1.231	-8.7	80	-0.01
75 C	Fluoranthene	1.062	1.232	-16.0	86	-0.01
76 I	Chrysene-d12	1.000	1.000	0.0	90	-0.01
77	Benzidine	0.641	0.636	0.8	79	0.00
78	Pyrene	1.920	1.732	9.8	89	-0.01
79 S	Terphenyl-d14	1.297	1.228	5.3	94	-0.01
80	Butylbenzylphthalate	0.671	0.671	0.0	97	-0.01
81	Benzo(a)anthracene	1.380	1.278	7.4	91	-0.01
82	3,3'-Dichlorobenzidine	0.439	0.410	6.6	89	-0.01
83	Chrysene	1.265	1.238	2.1	99	-0.01
84	Bis(2-ethylhexyl)phthalate	0.851	0.877	-3.1	101	-0.01
85 c	Di-n-octyl phthalate	1.321	1.327	-0.5	98	-0.02
86 I	Perylene-d12	1.000	1.000	0.0	73	-0.02
87	Indeno(1,2,3-cd)pyrene	1.291	1.304	-1.0	76	-0.03
88	Benzo(b)fluoranthene	1.258	1.276	-1.4	83	-0.02
89	Benzo(k)fluoranthene	1.114	1.215	-9.1	82	-0.02
90 C	Benzo(a)pyrene	1.063	1.092	-2.7	79	-0.02
91	Dibenzo(a,h)anthracene	1.039	1.055	-1.5	76	-0.04
92	Benzo(g,h,i)perylene	1.080	1.076	0.4	75	-0.04

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141410.D
Acq On : 04 Feb 2025 15:58
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 04 17:19:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev Area	% Dev(min)

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
 Data File : BF141410.D
 Acq On : 04 Feb 2025 15:58
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Feb 04 17:19:20 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	66	-0.01
2	1,4-Dioxane	40.000	37.338	6.7	66	-0.04
3	Pyridine	40.000	36.624	8.4	63	-0.05
4	n-Nitrosodimethylamine	40.000	41.739	-4.3	72	-0.06
5 S	2-Fluorophenol	80.000	78.830	1.5	70	0.00
6	Aniline	40.000	36.617	8.5	62	-0.02
7 S	Phenol-d6	80.000	75.891	5.1	68	0.00
8	2-Chlorophenol	40.000	39.195	2.0	70	-0.01
9	Benzaldehyde	40.000	42.215	-5.5	75	-0.01
10 C	Phenol	40.000	37.247	6.9	66	0.00
11	bis(2-Chloroethyl)ether	40.000	37.395	6.5	67	-0.02
12	1,3-Dichlorobenzene	40.000	39.813	0.5	71	-0.02
13 C	1,4-Dichlorobenzene	40.000	40.169	-0.4	72	-0.01
14	1,2-Dichlorobenzene	40.000	39.932	0.2	71	-0.01
15	Benzyl Alcohol	40.000	41.681	-4.2	72	-0.01
16	2,2'-oxybis(1-Chloropropane	40.000	35.664	10.8	63	-0.01
17	2-Methylphenol	40.000	38.055	4.9	68	0.00
18	Hexachloroethane	40.000	40.467	-1.2	72	-0.01
19 P	n-Nitroso-di-n-propylamine	40.000	38.325	4.2	69	-0.02
20	3+4-Methylphenols	40.000	40.064	-0.2	71	-0.01
21 I	Naphthalene-d8	20.000	20.000	0.0	66	-0.01
22	Acetophenone	40.000	41.572	-3.9	74	-0.02
23 S	Nitrobenzene-d5	80.000	81.851	-2.3	72	-0.01
24	Nitrobenzene	40.000	40.006	-0.0	69	-0.02
25	Isophorone	40.000	39.031	2.4	69	-0.02
26 C	2-Nitrophenol	40.000	41.393	-3.5	71	-0.01
27	2,4-Dimethylphenol	40.000	38.672	3.3	67	0.00
28	bis(2-Chloroethoxy)methane	40.000	38.030	4.9	67	-0.02
29 C	2,4-Dichlorophenol	40.000	40.477	-1.2	71	0.00
30	1,2,4-Trichlorobenzene	40.000	40.839	-2.1	73	-0.01
31	Naphthalene	40.000	39.696	0.8	70	-0.01
32	Benzoic acid	40.000	42.423	-6.1	68	-0.03
33	4-Chloroaniline	40.000	35.561	11.1	62	-0.01
34 C	Hexachlorobutadiene	40.000	43.093	-7.7	76	-0.01
35	Caprolactam	40.000	39.448	1.4	69	-0.03
36 C	4-Chloro-3-methylphenol	40.000	41.200	-3.0	73	0.00
37	2-Methylnaphthalene	40.000	40.115	-0.3	71	-0.01
38	1-Methylnaphthalene	40.000	39.867	0.3	71	-0.01
39 I	Acenaphthene-d10	20.000	20.000	0.0	66	-0.01
40	1,2,4,5-Tetrachlorobenzene	40.000	41.284	-3.2	73	-0.01
41 P	Hexachlorocyclopentadiene	40.000	44.139	-10.3	72	-0.01
42 S	2,4,6-Tribromophenol	80.000	89.734	-12.2	79	-0.01
43 C	2,4,6-Trichlorophenol	40.000	41.335	-3.3	70	0.00
44	2,4,5-Trichlorophenol	40.000	41.404	-3.5	74	0.00
45 S	2-Fluorobiphenyl	80.000	81.709	-2.1	74	-0.01
46	1,1'-Biphenyl	40.000	39.860	0.4	71	-0.01
47	2-Chloronaphthalene	40.000	39.569	1.1	71	-0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
 Data File : BF141410.D
 Acq On : 04 Feb 2025 15:58
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Feb 04 17:19:20 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	41.421	-3.6	72	0.00
49	Acenaphthylene	40.000	40.428	-1.1	72	-0.01
50	Dimethylphthalate	40.000	40.231	-0.6	73	-0.01
51	2,6-Dinitrotoluene	40.000	41.088	-2.7	72	-0.01
52 C	Acenaphthene	40.000	41.148	-2.9	74	-0.01
53	3-Nitroaniline	40.000	40.616	-1.5	68	-0.01
54 P	2,4-Dinitrophenol	40.000	48.068	-20.2	79	-0.01
55	Dibenzofuran	40.000	40.736	-1.8	72	-0.01
56 P	4-Nitrophenol	40.000	44.180	-10.4	74	0.00
57	2,4-Dinitrotoluene	40.000	43.245	-8.1	75	-0.02
58	Fluorene	40.000	41.680	-4.2	75	-0.01
59	2,3,4,6-Tetrachlorophenol	40.000	42.135	-5.3	73	0.00
60	Diethylphthalate	40.000	41.811	-4.5	74	-0.02
61	4-Chlorophenyl-phenylether	40.000	41.757	-4.4	75	-0.01
62	4-Nitroaniline	40.000	45.227	-13.1	78	-0.02
63	Azobenzene	40.000	39.824	0.4	71	-0.01
64 I	Phenanthrene-d10	20.000	20.000	0.0	71	-0.01
65	4,6-Dinitro-2-methylphenol	40.000	47.978	-19.9	80	-0.01
66 c	n-Nitrosodiphenylamine	40.000	39.757	0.6	73	-0.01
67	4-Bromophenyl-phenylether	40.000	40.899	-2.2	75	-0.01
68	Hexachlorobenzene	40.000	41.684	-4.2	77	-0.01
69	Atrazine	40.000	39.071	2.3	70	-0.02
70 C	Pentachlorophenol	40.000	45.399	-13.5	78	-0.01
71	Phenanthrene	40.000	41.409	-3.5	77	-0.01
72	Anthracene	40.000	41.850	-4.6	77	-0.01
73	Carbazole	40.000	43.663	-9.2	80	0.00
74	Di-n-butylphthalate	40.000	43.495	-8.7	80	-0.01
75 C	Fluoranthene	40.000	46.442	-16.1	86	-0.01
76 I	Chrysene-d12	20.000	20.000	0.0	90	-0.01
77	Benzidine	40.000	39.706	0.7	79	0.00
78	Pyrene	40.000	36.091	9.8	89	-0.01
79 S	Terphenyl-d14	80.000	75.722	5.3	94	-0.01
80	Butylbenzylphthalate	40.000	40.003	-0.0	97	-0.01
81	Benzo(a)anthracene	40.000	37.039	7.4	91	-0.01
82	3,3'-Dichlorobenzidine	40.000	37.342	6.6	89	-0.01
83	Chrysene	40.000	39.150	2.1	99	-0.01
84	Bis(2-ethylhexyl)phthalate	40.000	41.225	-3.1	101	-0.01
85 c	Di-n-octyl phthalate	40.000	40.161	-0.4	98	-0.02
86 I	Perylene-d12	20.000	20.000	0.0	73	-0.02
87	Indeno(1,2,3-cd)pyrene	40.000	40.413	-1.0	76	-0.03
88	Benzo(b)fluoranthene	40.000	40.568	-1.4	83	-0.02
89	Benzo(k)fluoranthene	40.000	43.621	-9.1	82	-0.02
90 C	Benzo(a)pyrene	40.000	41.076	-2.7	79	-0.02
91	Dibenzo(a,h)anthracene	40.000	40.648	-1.6	76	-0.04
92	Benzo(g,h,i)perylene	40.000	39.851	0.4	75	-0.04

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141410.D
Acq On : 04 Feb 2025 15:58
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 04 17:19:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range

SPCC's out = 0 CCC's out = 0



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG No.: Q1194

Instrument ID: BNA_F Calibration Date/Time: 02/05/2025 10:02

Lab File ID: BF141435.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 17:05

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.303	1.295		-0.6	
Benzaldehyde	0.960	0.988		2.9	
Phenol-d6	1.657	1.600		-3.4	
Phenol	1.757	1.663		-5.3	20.0
bis(2-Chloroethyl)ether	1.347	1.263		-6.2	
2-Chlorophenol	1.396	1.383		-0.9	
2-Methylphenol	1.135	1.083		-4.6	
2,2-oxybis(1-Chloropropane)	2.342	2.038		-13.0	
Acetophenone	0.475	0.493		3.8	
3+4-Methylphenols	1.393	1.395		0.1	
n-Nitroso-di-n-propylamine	0.985	0.951	0.050	-3.5	
Nitrobenzene-d5	0.379	0.397		4.5	
Hexachloroethane	0.571	0.582		1.9	
Nitrobenzene	0.393	0.403		2.5	
Isophorone	0.656	0.632		-3.7	
2-Nitrophenol	0.185	0.191		3.2	20.0
2,4-Dimethylphenol	0.236	0.229		-3.0	
bis(2-Chloroethoxy)methane	0.418	0.393		-6.0	
2,4-Dichlorophenol	0.289	0.297		2.8	20.0
Naphthalene	1.057	1.058		0.1	
4-Chloroaniline	0.358	0.335		-6.4	
Hexachlorobutadiene	0.194	0.212		9.3	20.0
Caprolactam	0.094	0.092		-2.1	
4-Chloro-3-methylphenol	0.310	0.323		4.2	20.0
2-Methylnaphthalene	0.672	0.670		-0.3	
Hexachlorocyclopentadiene	0.168	0.166	0.050	-1.2	
2,4,6-Trichlorophenol	0.372	0.385		3.5	20.0
2-Fluorobiphenyl	1.299	1.338		3.0	
2,4,5-Trichlorophenol	0.405	0.418		3.2	
1,1-Biphenyl	1.560	1.536		-1.5	
2-Chloronaphthalene	1.216	1.222		0.5	
2-Nitroaniline	0.382	0.396		3.7	
Dimethylphthalate	1.351	1.345		-0.4	
Acenaphthylene	1.702	1.696		-0.4	
2,6-Dinitrotoluene	0.314	0.319		1.6	
3-Nitroaniline	0.307	0.309		0.7	
Acenaphthene	1.216	1.232		1.3	20.0
2,4-Dinitrophenol	0.146	0.160	0.050	9.6	
4-Nitrophenol	0.225	0.235	0.050	4.4	



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG No.: Q1194

Instrument ID: BNA_F Calibration Date/Time: 02/05/2025 10:02

Lab File ID: BF141435.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 17:05

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.627	1.626		-0.1	
2,4-Dinitrotoluene	0.406	0.428		5.4	
Diethylphthalate	1.310	1.326		1.2	
4-Chlorophenyl-phenylether	0.617	0.644		4.4	
Fluorene	1.262	1.312		4.0	
4-Nitroaniline	0.302	0.314		4.0	
4,6-Dinitro-2-methylphenol	0.118	0.135		14.4	
n-Nitrosodiphenylamine	0.647	0.657		1.5	20.0
2,4,6-Tribromophenol	0.183	0.197		7.7	
4-Bromophenyl-phenylether	0.224	0.231		3.1	
Hexachlorobenzene	0.238	0.246		3.4	
Atrazine	0.216	0.200		-7.4	
Pentachlorophenol	0.139	0.151		8.6	20.0
Phenanthrene	1.075	1.115		3.7	
Anthracene	1.053	1.101		4.6	
Carbazole	0.934	1.005		7.6	
Di-n-butylphthalate	1.132	1.165		2.9	
Fluoranthene	1.062	1.154		8.7	20.0
Pyrene	1.920	1.874		-2.4	
Terphenyl-d14	1.297	1.290		-0.5	
Butylbenzylphthalate	0.671	0.667		-0.6	
3,3-Dichlorobenzidine	0.439	0.419		-4.6	
Benzo (a) anthracene	1.380	1.310		-5.1	
Chrysene	1.265	1.242		-1.8	
Bis(2-ethylhexyl)phthalate	0.851	0.821		-3.5	
Di-n-octyl phthalate	1.321	1.243		-5.9	20.0
Benzo (b) fluoranthene	1.258	1.327		5.5	
Benzo (k) fluoranthene	1.114	1.082		-2.9	
Benzo (a) pyrene	1.063	1.102		3.7	20.0
Indeno (1,2,3-cd) pyrene	1.291	1.411		9.3	
Dibenzo (a,h) anthracene	1.039	1.133		9.0	
Benzo (g,h,i) perylene	1.080	1.191		10.3	
1,2,4,5-Tetrachlorobenzene	0.569	0.579		1.8	
1,4-Dioxane	0.573	0.500		-12.7	20.0
2,3,4,6-Tetrachlorophenol	0.319	0.335		5.0	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
 Data File : BF141435.D
 Acq On : 05 Feb 2025 10:02
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/06/2025
 Supervised By :mohammad ahmed 02/06/2025

Quant Time: Feb 05 10:46:53 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	78610	20.000	ng	-0.01
21) Naphthalene-d8	8.075	136	301871	20.000	ng	#-0.01
39) Acenaphthene-d10	9.828	164	162758	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	271503	20.000	ng	-0.01
76) Chrysene-d12	13.963	240	168458	20.000	ng	#-0.01
86) Perylene-d12	15.427	264	170248	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	407329	79.549	ng	0.00
7) Phenol-d6	6.434	99	503234	77.255	ng	0.00
23) Nitrobenzene-d5	7.357	82	478767	83.608	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	127994	85.780	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	870937	82.364	ng	-0.01
79) Terphenyl-d14	12.904	244	869288	79.581	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	2.457	88	78559	34.885	ng	94
3) Pyridine	3.187	79	194117	35.776	ng	95
4) n-Nitrosodimethylamine	3.140	42	135212m	43.622	ng	
6) Aniline	6.451	93	203874	36.974	ng	# 15
8) 2-Chlorophenol	6.581	128	217362	39.605	ng	98
9) Benzaldehyde	6.340	77	155340	41.171	ng	99
10) Phenol	6.445	94	261387	37.854	ng	# 70
11) bis(2-Chloroethyl)ether	6.528	93	198646	37.520	ng	99
12) 1,3-Dichlorobenzene	6.734	146	244041	40.328	ng	100
13) 1,4-Dichlorobenzene	6.810	146	248088	40.809	ng	100
14) 1,2-Dichlorobenzene	6.963	146	230694	40.526	ng	98
15) Benzyl Alcohol	6.934	79	188189	42.275	ng	96
16) 2,2'-oxybis(1-Chloropr...	7.069	45	320404	34.802	ng	83
17) 2-Methylphenol	7.051	107	170207	38.159	ng	93
18) Hexachloroethane	7.304	117	91496	40.798	ng	97
19) n-Nitroso-di-n-propyla...	7.204	70	149493	38.623	ng	100
20) 3+4-Methylphenols	7.210	107	219253	40.033	ng	94
22) Acetophenone	7.204	105	297343	41.439	ng	97
24) Nitrobenzene	7.375	77	243522	41.037	ng	98
25) Isophorone	7.616	82	381288	38.520	ng	99
26) 2-Nitrophenol	7.692	139	115128	41.137	ng	95
27) 2,4-Dimethylphenol	7.734	122	138196m	38.795	ng	
28) bis(2-Chloroethoxy)met...	7.828	93	236983	37.533	ng	99
29) 2,4-Dichlorophenol	7.939	162	179202	41.092	ng	100
30) 1,2,4-Trichlorobenzene	8.016	180	204292	41.020	ng	100
31) Naphthalene	8.098	128	638897	40.064	ng	99
32) Benzoic acid	7.851	122	131516	40.161	ng	94
33) 4-Chloroaniline	8.145	127	202319	37.413	ng	98
34) Hexachlorobutadiene	8.216	225	128024	43.834	ng	99
35) Caprolactam	8.516	113	55628	39.058	ng	97
36) 4-Chloro-3-methylphenol	8.634	107	195300	41.751	ng	94
37) 2-Methylnaphthalene	8.786	142	404544	39.913	ng	100
38) 1-Methylnaphthalene	8.886	142	396613	39.835	ng	99
40) 1,2,4,5-Tetrachloroben...	8.951	216	188623	40.737	ng	99
41) Hexachlorocyclopentadiene	8.939	237	53928	39.437	ng	98
43) 2,4,6-Trichlorophenol	9.069	196	125213	41.315	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
 Data File : BF141435.D
 Acq On : 05 Feb 2025 10:02
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/06/2025
 Supervised By :mohammad ahmed 02/06/2025

Quant Time: Feb 05 10:46:53 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.116	196	136179	41.284	ng	99
46) 1,1'-Biphenyl	9.251	154	500011	39.392	ng	97
47) 2-Chloronaphthalene	9.275	162	397635	40.191	ng	100
48) 2-Nitroaniline	9.375	65	128787	41.385	ng	97
49) Acenaphthylene	9.692	152	552204	39.872	ng	100
50) Dimethylphthalate	9.557	163	437816	39.828	ng	100
51) 2,6-Dinitrotoluene	9.616	165	103868	40.695	ng	95
52) Acenaphthene	9.863	154	400902	40.520	ng	98
53) 3-Nitroaniline	9.786	138	100475	40.165	ng	97
54) 2,4-Dinitrophenol	9.892	184	52193	43.990	ng	# 85
55) Dibenzofuran	10.033	168	529389	39.973	ng	96
56) 4-Nitrophenol	9.963	139	76553	41.844	ng	90
57) 2,4-Dinitrotoluene	10.022	165	139267	42.144	ng	96
58) Fluorene	10.380	166	427075	41.573	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.157	232	109126	42.052	ng	97
60) Diethylphthalate	10.251	149	431776	40.510	ng	99
61) 4-Chlorophenyl-phenyle...	10.375	204	209555	41.761	ng	99
62) 4-Nitroaniline	10.398	138	102198	41.554	ng	89
63) Azobenzene	10.533	77	406009	38.055	ng	97
65) 4,6-Dinitro-2-methylph...	10.433	198	73514	45.776	ng	99
66) n-Nitrosodiphenylamine	10.492	169	356533	40.601	ng	99
67) 4-Bromophenyl-phenylether	10.863	248	125379	41.249	ng	98
68) Hexachlorobenzene	10.928	284	133335	41.354	ng	98
69) Atrazine	11.022	200	108751	37.040	ng	99
70) Pentachlorophenol	11.127	266	82010	43.436	ng	99
71) Phenanthrene	11.345	178	605311	41.476	ng	99
72) Anthracene	11.392	178	597915	41.812	ng	99
73) Carbazole	11.551	167	545853	43.048	ng	100
74) Di-n-butylphthalate	11.880	149	632426	41.155	ng	100
75) Fluoranthene	12.533	202	626646	43.486	ng	97
77) Benzidine	12.657	184	207554	38.432	ng	98
78) Pyrene	12.763	202	631407	39.047	ng	99
80) Butylbenzylphthalate	13.380	149	224717	39.778	ng	99
81) Benzo(a)anthracene	13.951	228	441320	37.964	ng	100
82) 3,3'-Dichlorobenzidine	13.916	252	141060	38.153	ng	98
83) Chrysene	13.992	228	418577	39.290	ng	100
84) Bis(2-ethylhexyl)phtha...	13.945	149	276519	38.586	ng	98
85) Di-n-octyl phthalate	14.568	149	418773	37.624	ng	99
87) Indeno(1,2,3-cd)pyrene	16.874	276	480324	43.712	ng	95
88) Benzo(b)fluoranthene	15.004	252	451713	42.180	ng	98
89) Benzo(k)fluoranthene	15.033	252	368364	38.829	ng	98
90) Benzo(a)pyrene	15.363	252	375306	41.472	ng	98
91) Dibenzo(a,h)anthracene	16.892	278	385925	43.654	ng	97
92) Benzo(g,h,i)perylene	17.309	276	405442	44.107	ng	95

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

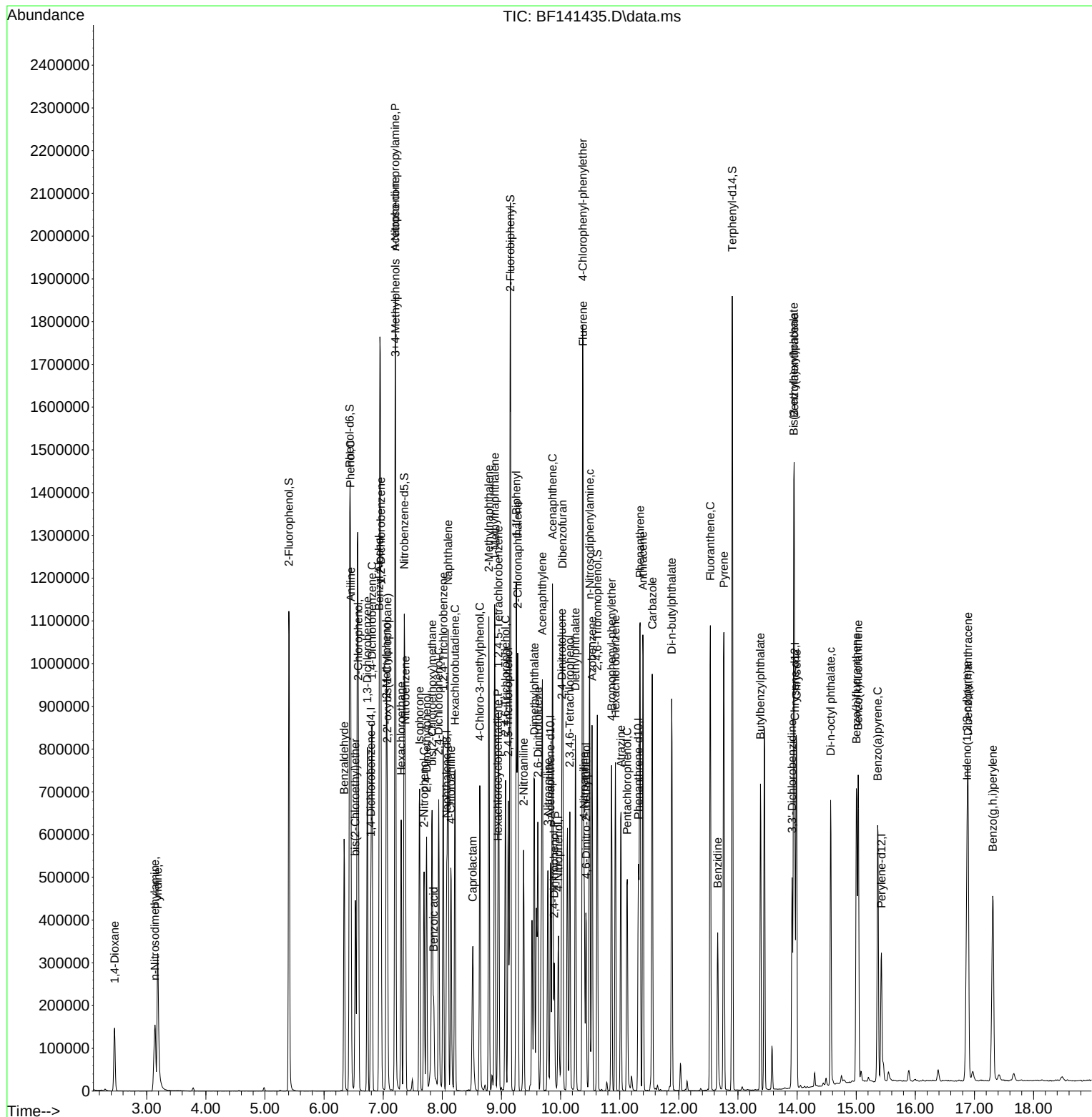

```
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\  
Data File : BF141435.D  
Acq On    : 05 Feb 2025  10:02  
Operator  : RC/JU  
Sample    : SSTDCCC040  
Misc      :  
ALS Vial  : 2    Sample Multiplier: 1
```

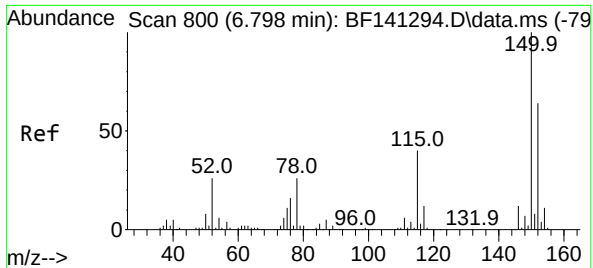
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

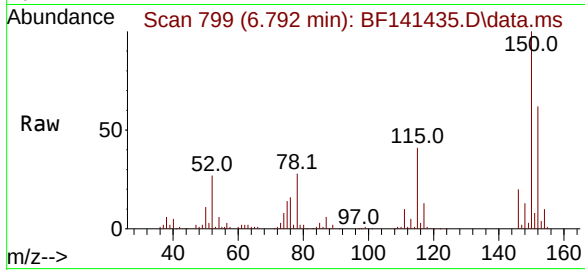
Quant Time: Feb 05 10:46:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 79
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

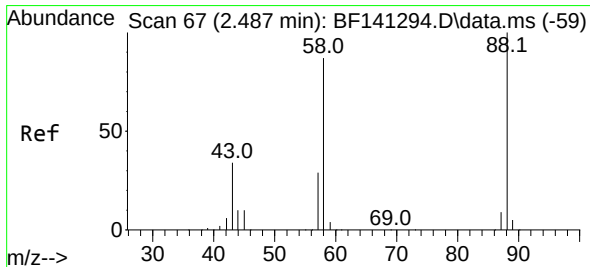
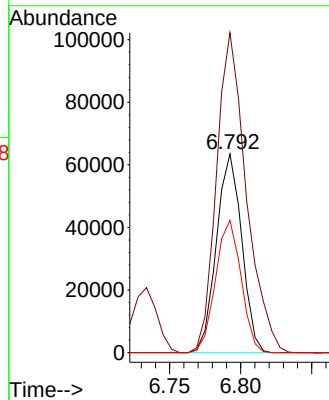
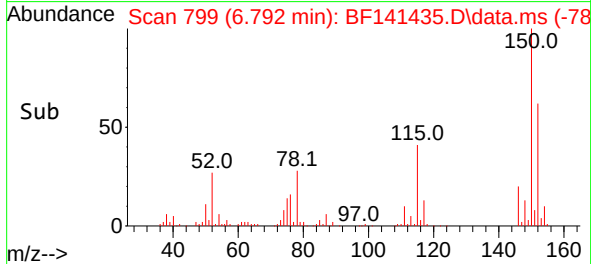
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:152 Resp: 78610
Ion Ratio Lower Upper
152 100
150 161.0 125.9 188.9
115 66.6 49.7 74.5

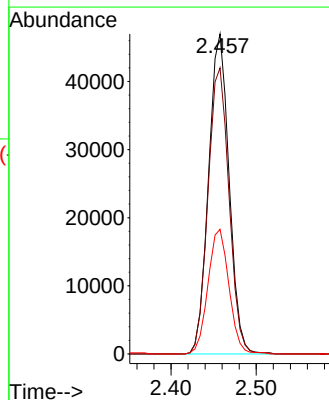
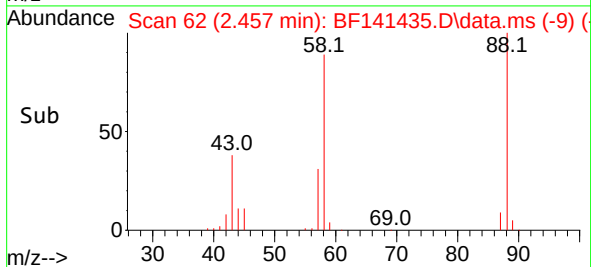
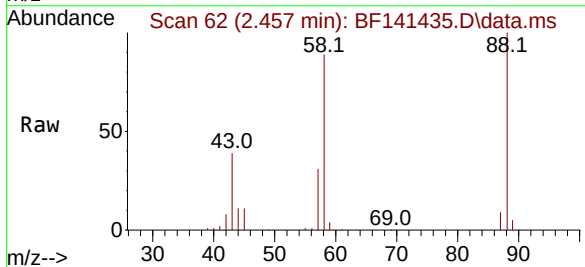
Manual Integrations
APPROVED

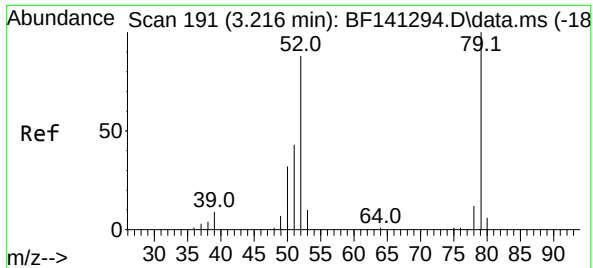
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#2
1,4-Dioxane
Concen: 34.885 ng
RT: 2.457 min Scan# 62
Delta R.T. -0.035 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

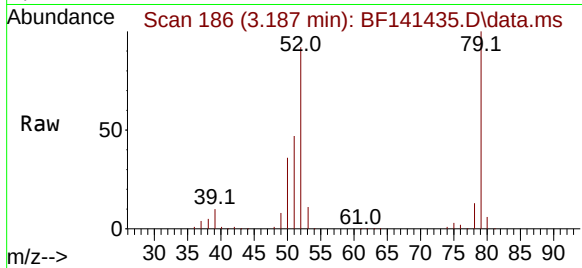
Tgt Ion: 88 Resp: 78559
Ion Ratio Lower Upper
88 100
58 91.6 70.2 105.4
43 40.0 27.6 41.4





#3
Pyridine
Concen: 35.776 ng
RT: 3.187 min Scan# 11
Delta R.T. -0.041 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

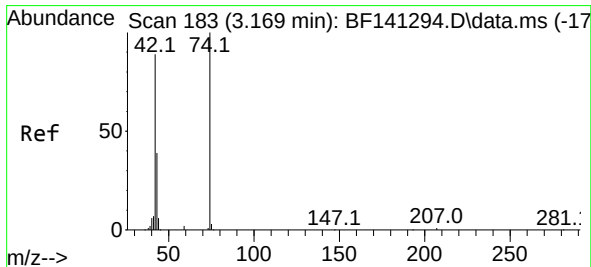
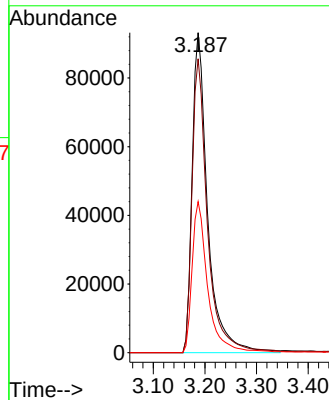
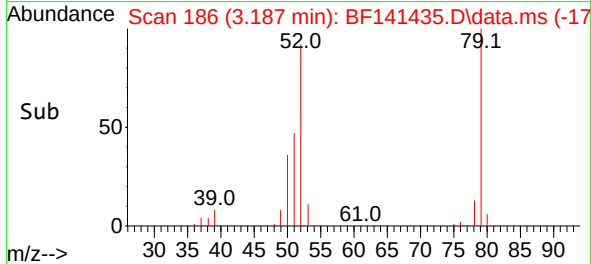
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



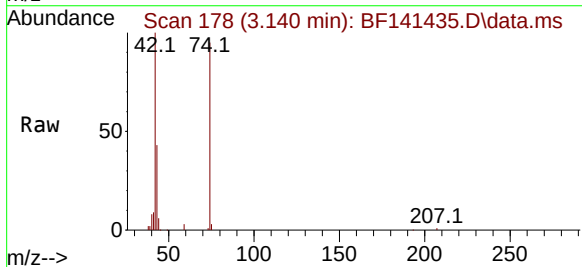
Tgt Ion: 79 Resp: 19411
Ion Ratio Lower Upper
79 100
52 91.9 70.3 105.5
51 47.2 34.3 51.5

Manual Integrations
APPROVED

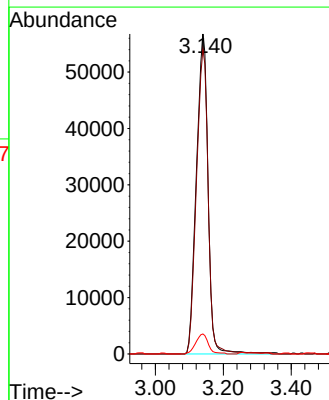
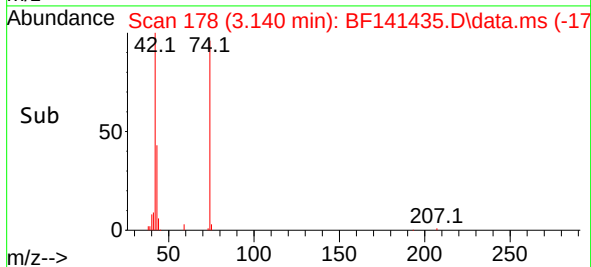
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

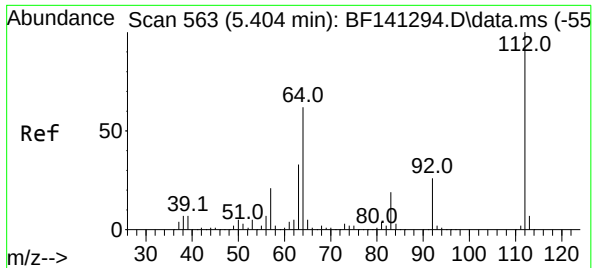


#4
n-Nitrosodimethylamine
Concen: 43.622 ng m
RT: 3.140 min Scan# 178
Delta R.T. -0.059 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02



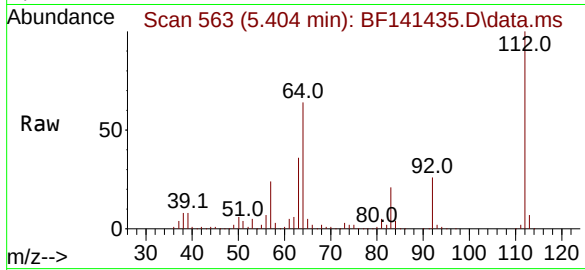
Tgt Ion: 42 Resp: 135212
Ion Ratio Lower Upper
42 100
74 95.2 90.3 135.5
44 6.3 5.7 8.5





#5
2-Fluorophenol
Concen: 79.549 ng
RT: 5.404 min Scan# 501
Delta R.T. -0.006 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

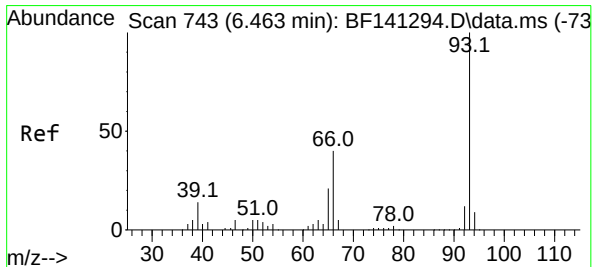
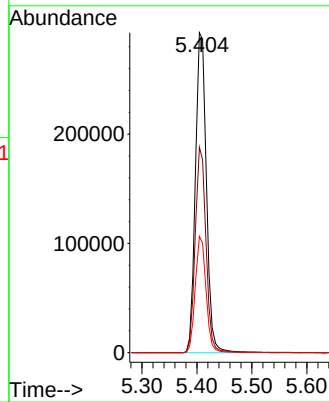
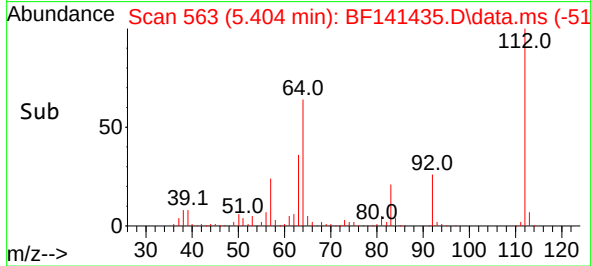
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:112 Resp: 407329
Ion Ratio Lower Upper
112 100
64 64.2 49.8 74.8
63 36.3 26.1 39.1

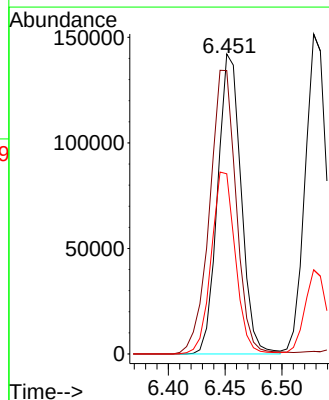
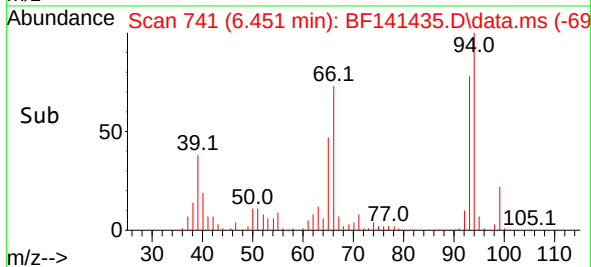
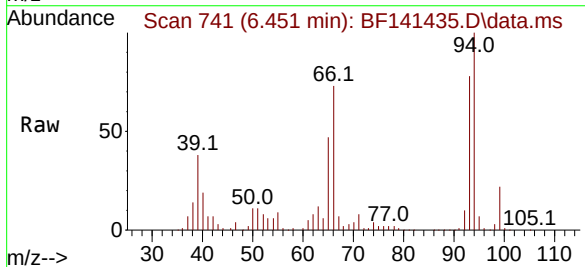
Manual Integrations
APPROVED

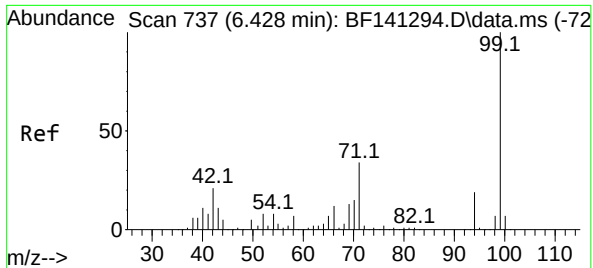
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#6
Aniline
Concen: 36.974 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.018 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion: 93 Resp: 203874
Ion Ratio Lower Upper
93 100
66 94.5 32.5 48.7#
65 60.0 17.0 25.6#





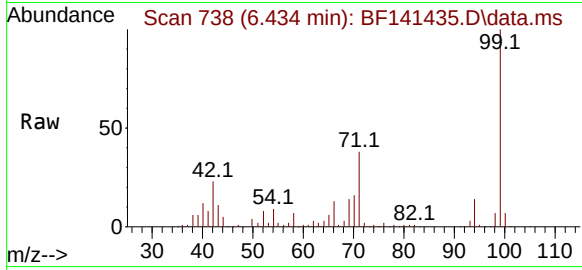
#7
Phenol-d6
Concen: 77.255 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

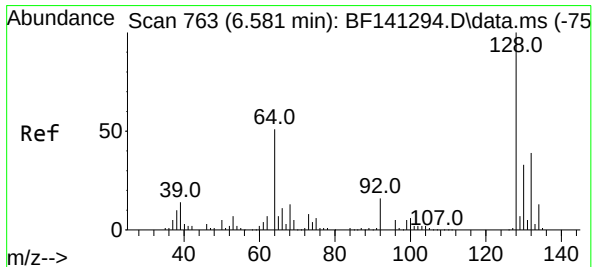
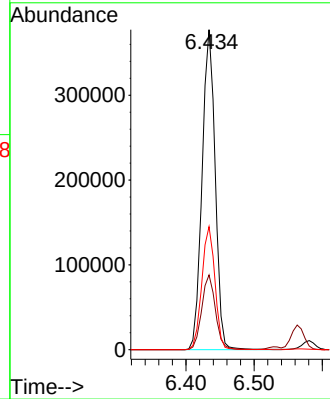
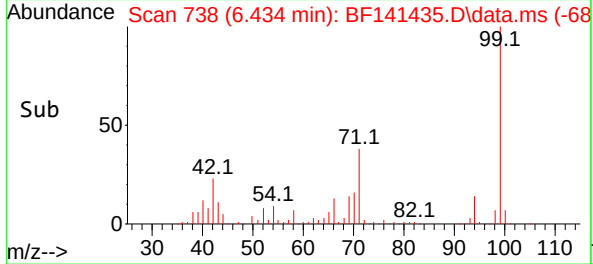


Tgt Ion: 99 Resp: 503234
Ion Ratio Lower Upper
99 100
42 23.3 17.1 25.7
71 38.5 26.9 40.3

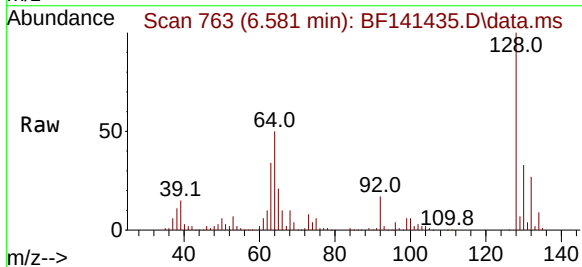
Manual Integrations

APPROVED

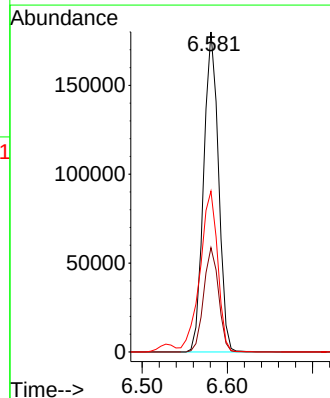
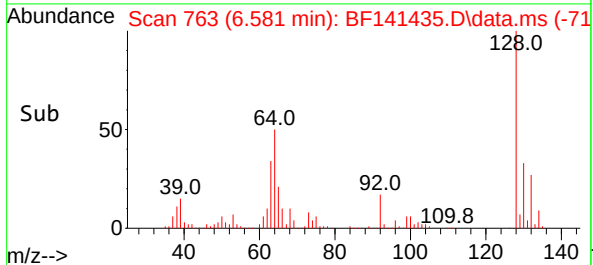
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

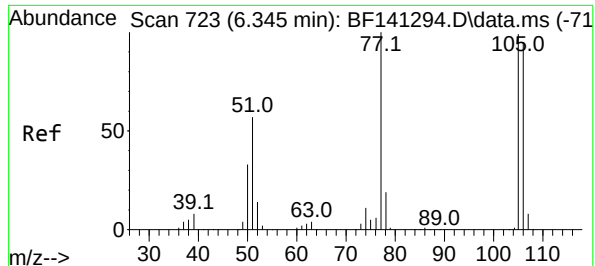


#8
2-Chlorophenol
Concen: 39.605 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02



Tgt Ion:128 Resp: 217362
Ion Ratio Lower Upper
128 100
130 32.6 12.5 52.5
64 50.3 32.9 72.9





#9

Benzaldehyde

Concen: 41.171 ng

RT: 6.340 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF141435.D

Acq: 05 Feb 2025 10:02

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 77 Resp: 155340

Ion Ratio Lower Upper

77 100

105 98.6 79.4 119.4

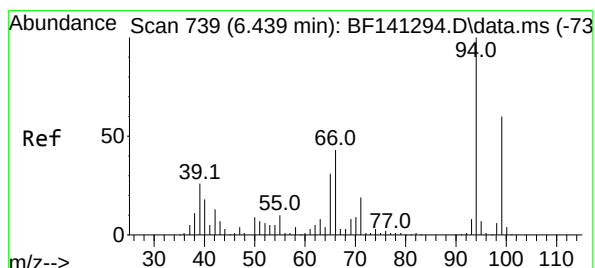
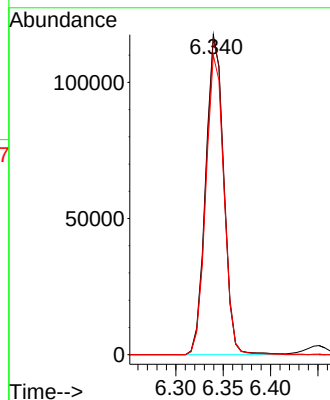
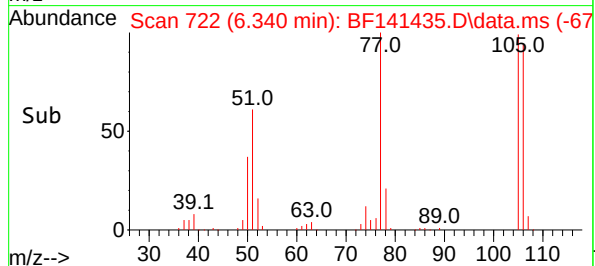
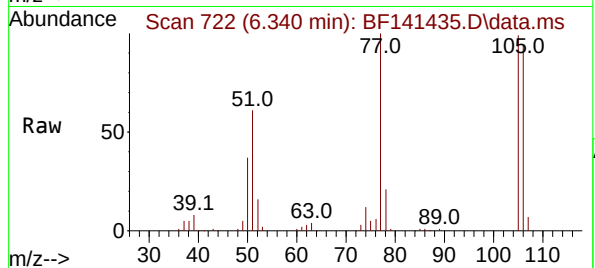
106 93.6 74.6 114.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#10

Phenol

Concen: 37.854 ng

RT: 6.445 min Scan# 740

Delta R.T. -0.006 min

Lab File: BF141435.D

Acq: 05 Feb 2025 10:02

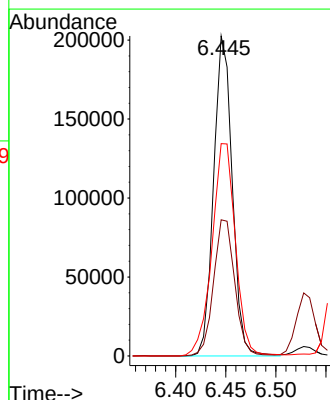
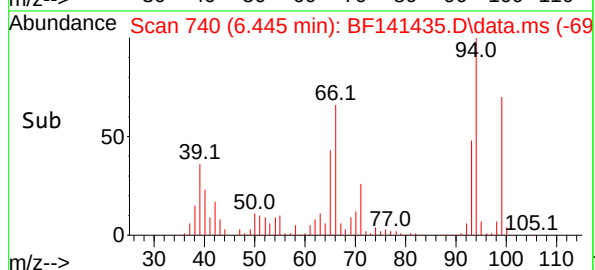
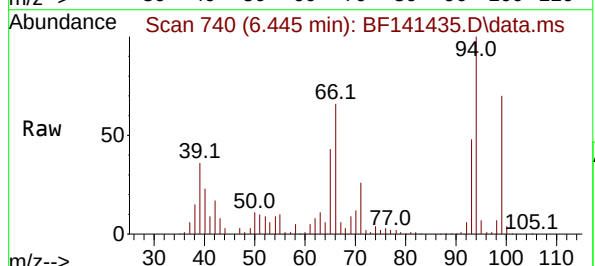
Tgt Ion: 94 Resp: 261387

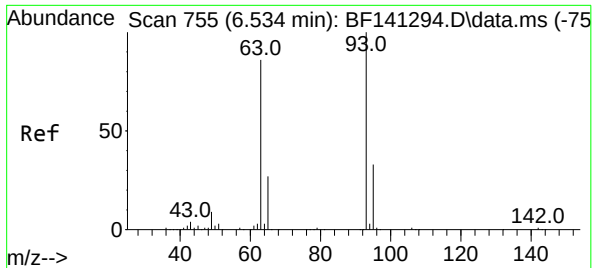
Ion Ratio Lower Upper

94 100

65 42.6 10.8 50.8

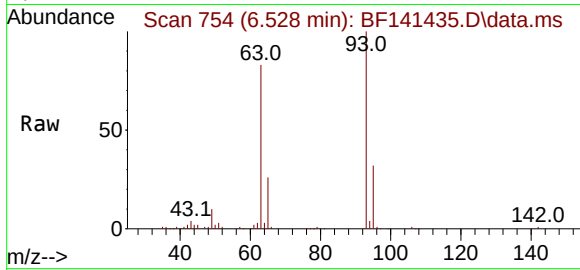
66 66.3 23.3 63.3#





#11
bis(2-Chloroethyl)ether
Concen: 37.520 ng
RT: 6.528 min Scan# 754
Delta R.T. -0.018 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

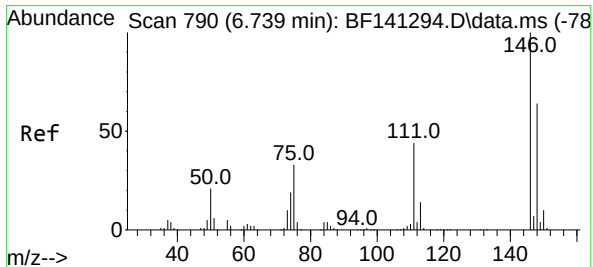
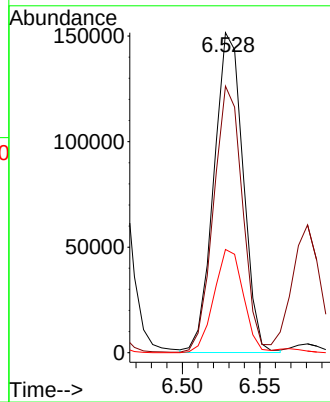
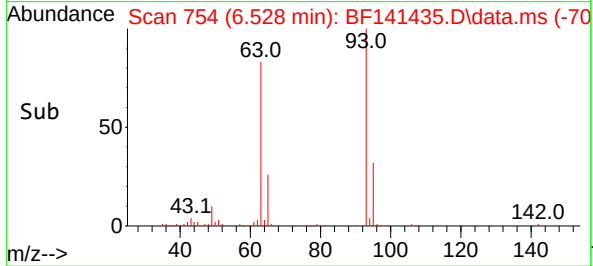
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion: 93 Resp: 198640
Ion Ratio Lower Upper
93 100
63 83.3 65.0 105.0
95 32.2 12.4 52.4

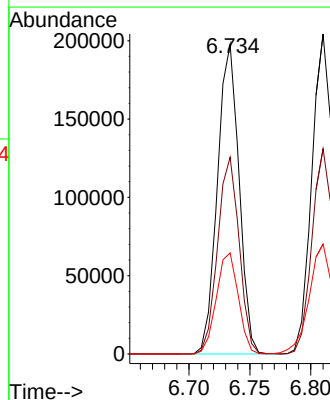
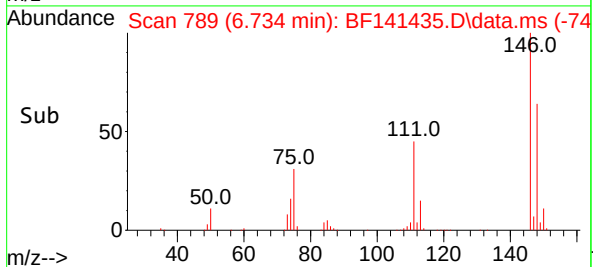
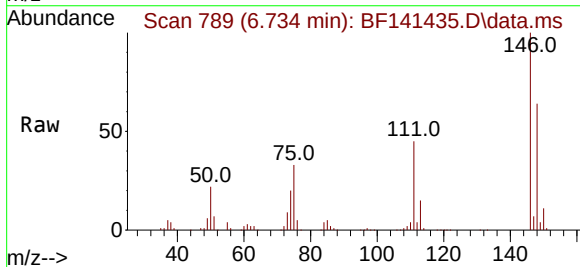
Manual Integrations
APPROVED

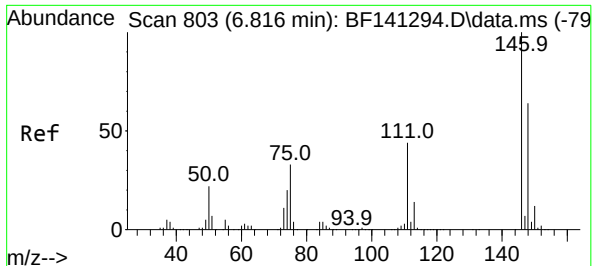
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#12
1,3-Dichlorobenzene
Concen: 40.328 ng
RT: 6.734 min Scan# 789
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:146 Resp: 244041
Ion Ratio Lower Upper
146 100
148 63.6 51.2 76.8
75 32.6 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 40.809 ng

RT: 6.810 min Scan# 803

Delta R.T. -0.012 min

Lab File: BF141435.D

Acq: 05 Feb 2025 10:02

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:146 Resp: 248088

Ion Ratio Lower Upper

146 100

148 64.1 51.2 76.8

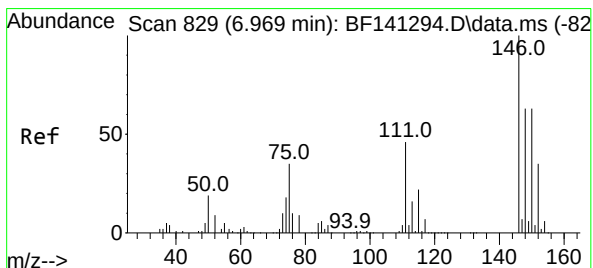
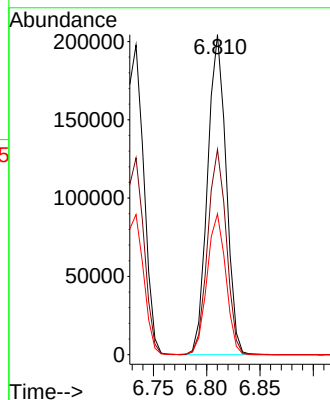
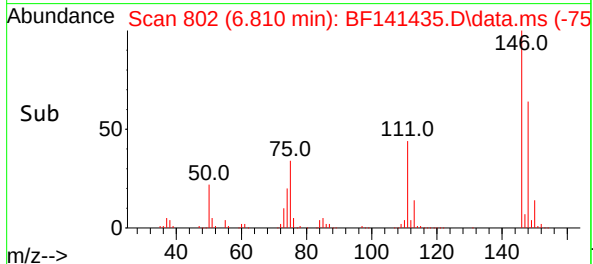
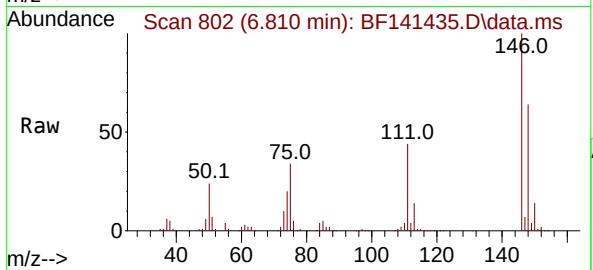
111 44.0 35.0 52.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#14

1,2-Dichlorobenzene

Concen: 40.526 ng

RT: 6.963 min Scan# 828

Delta R.T. -0.012 min

Lab File: BF141435.D

Acq: 05 Feb 2025 10:02

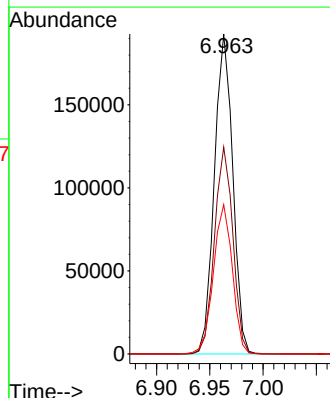
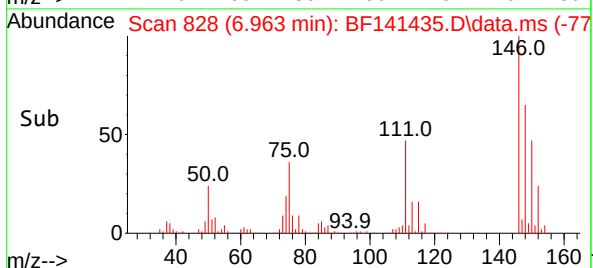
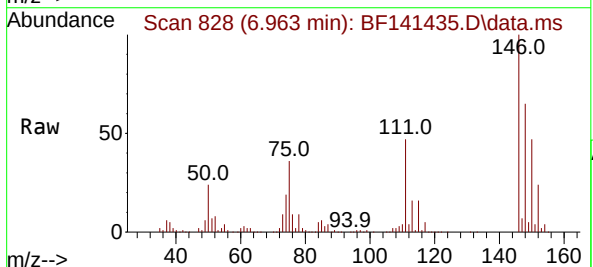
Tgt Ion:146 Resp: 230694

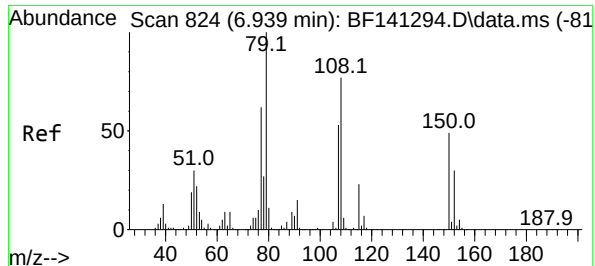
Ion Ratio Lower Upper

146 100

148 64.7 50.5 75.7

111 46.7 36.6 55.0





#15

Benzyl Alcohol

Concen: 42.275 ng

RT: 6.934 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF141435.D

Acq: 05 Feb 2025 10:02

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 79 Resp: 188189

Ion Ratio Lower Upper

79 100

108 71.6 61.4 92.0

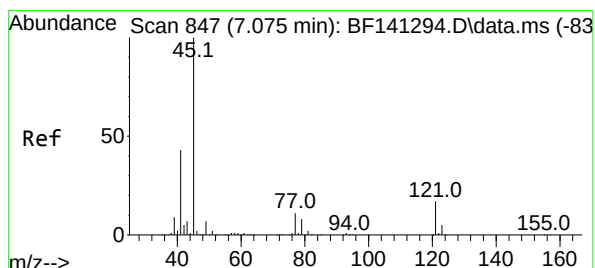
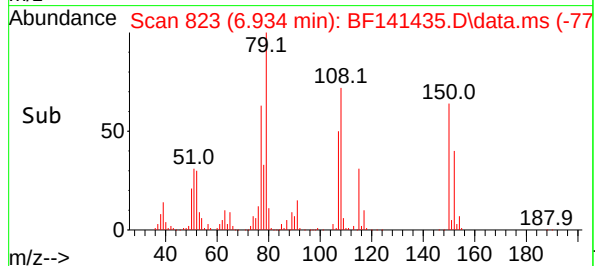
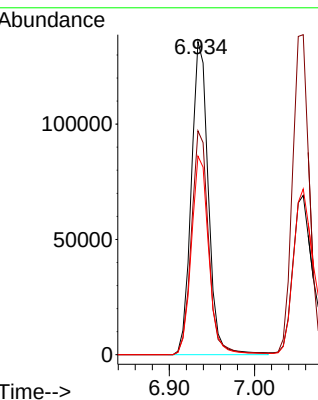
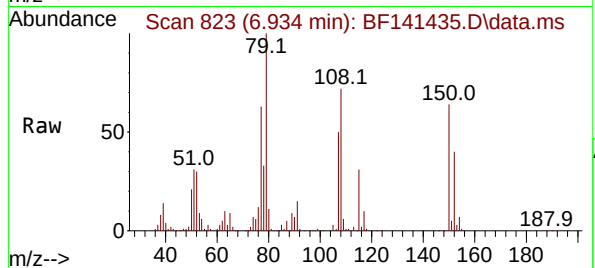
77 63.5 49.9 74.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#16

2,2'-oxybis(1-Chloropropane)

Concen: 34.802 ng

RT: 7.069 min Scan# 846

Delta R.T. -0.012 min

Lab File: BF141435.D

Acq: 05 Feb 2025 10:02

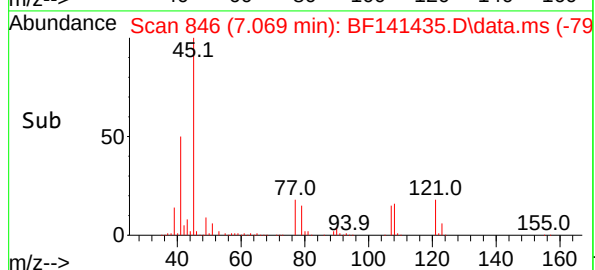
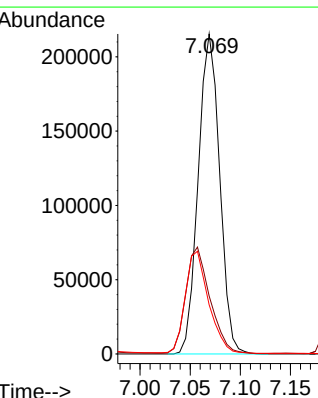
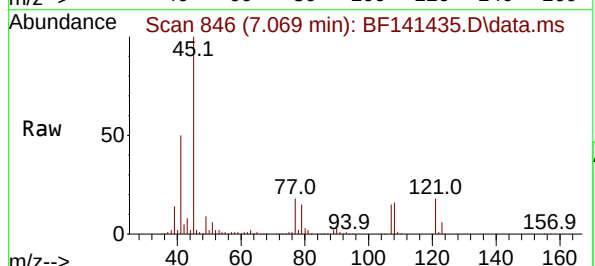
Tgt Ion: 45 Resp: 320404

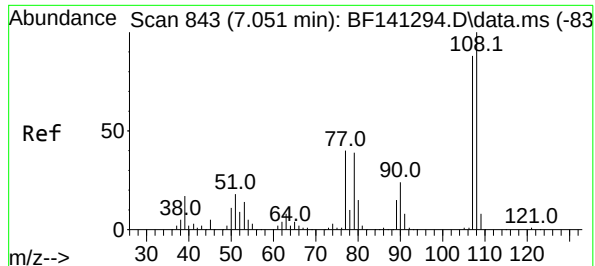
Ion Ratio Lower Upper

45 100

77 18.1 0.0 31.8

79 15.4 0.0 29.1





#17

2-Methylphenol

Concen: 38.159 ng

RT: 7.051 min Scan# 843

Delta R.T. -0.006 min

Lab File: BF141435.D

Acq: 05 Feb 2025 10:02

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:107 Resp: 17020

Ion Ratio Lower Upper

107 100

108 111.2 90.8 136.2

77 53.2 36.2 54.4

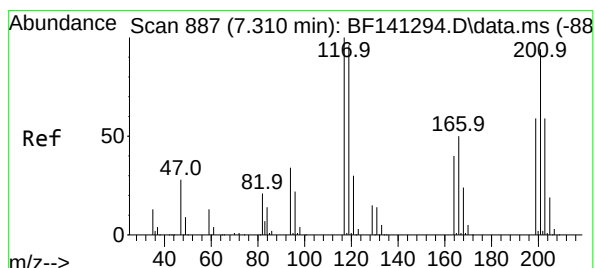
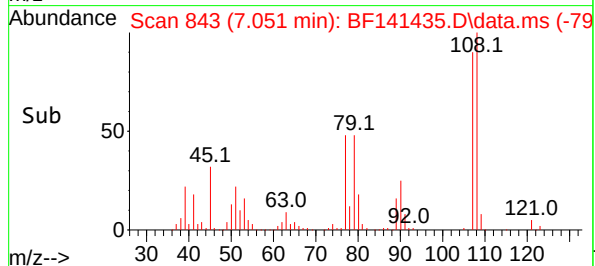
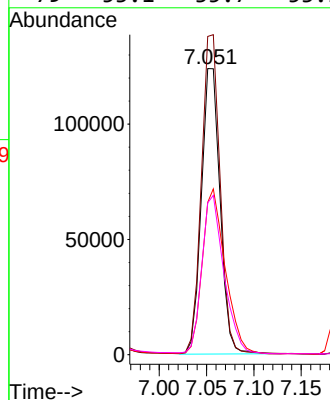
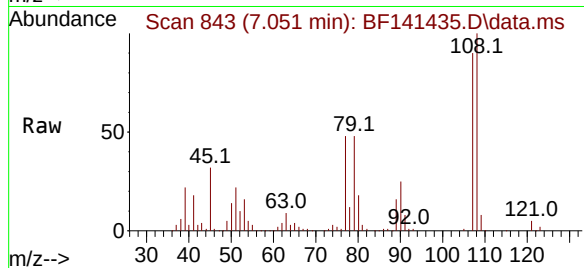
79 53.1 35.7 53.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#18

Hexachloroethane

Concen: 40.798 ng

RT: 7.304 min Scan# 886

Delta R.T. -0.012 min

Lab File: BF141435.D

Acq: 05 Feb 2025 10:02

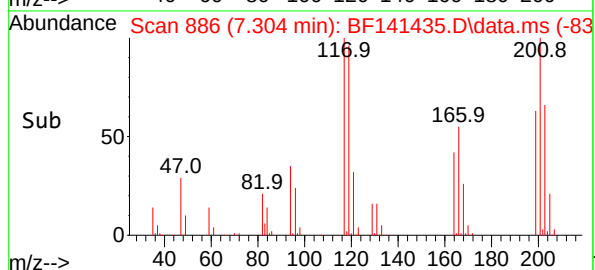
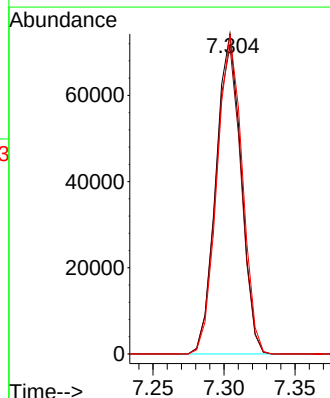
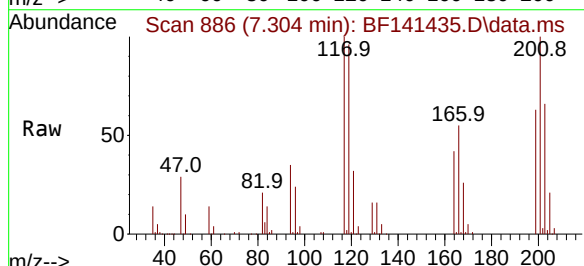
Tgt Ion:117 Resp: 91496

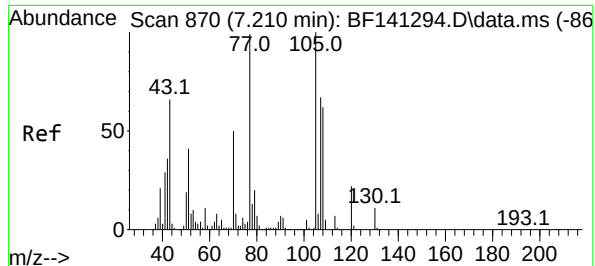
Ion Ratio Lower Upper

117 100

119 96.1 76.6 114.8

201 99.7 74.8 112.2





#19

n-Nitroso-di-n-propylamine

Concen: 38.623 ng

RT: 7.204 min Scan# 80

Delta R.T. -0.024 min

Lab File: BF141435.D

Acq: 05 Feb 2025 10:02

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 70 Resp: 14949

Ion Ratio Lower Upper

70 100

42 70.9 56.8 85.2

101 9.8 7.7 11.5

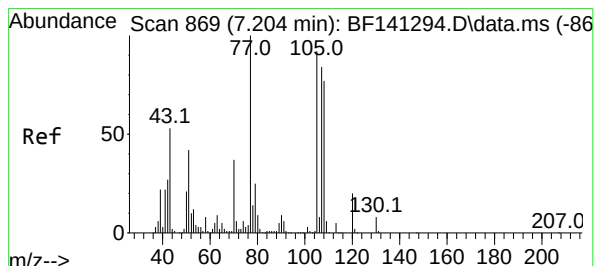
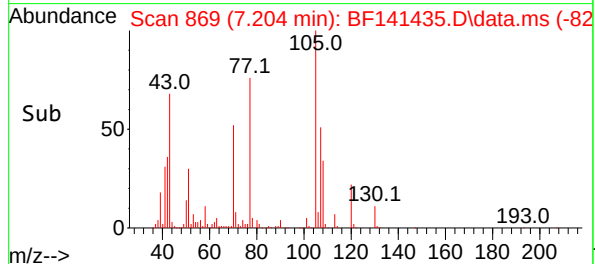
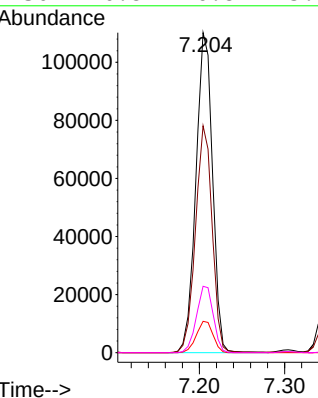
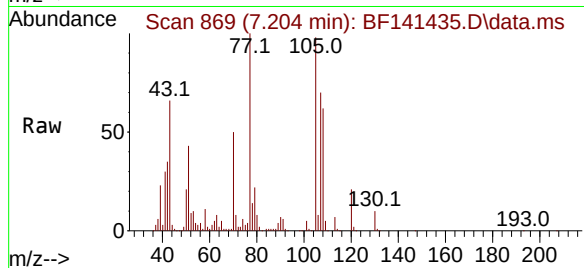
130 20.8 16.8 25.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#20

3+4-Methylphenols

Concen: 40.033 ng

RT: 7.210 min Scan# 870

Delta R.T. -0.006 min

Lab File: BF141435.D

Acq: 05 Feb 2025 10:02

Tgt Ion:107 Resp: 219253

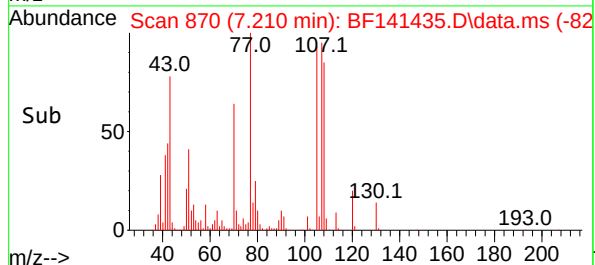
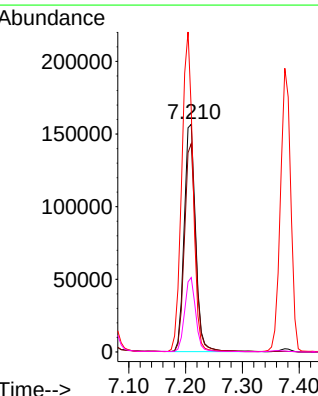
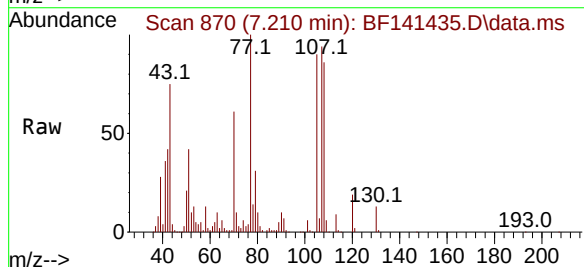
Ion Ratio Lower Upper

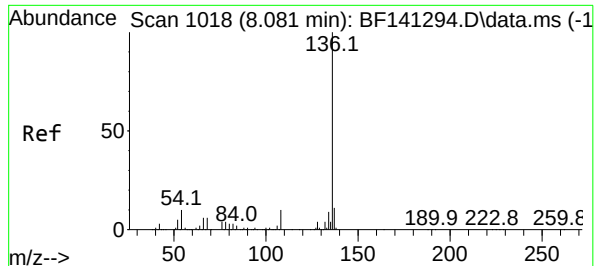
107 100

108 91.5 70.9 110.9

77 106.4 98.5 138.5

79 32.7 9.5 49.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.075 min Scan# 1018

Delta R.T. -0.012 min

Lab File: BF141435.D

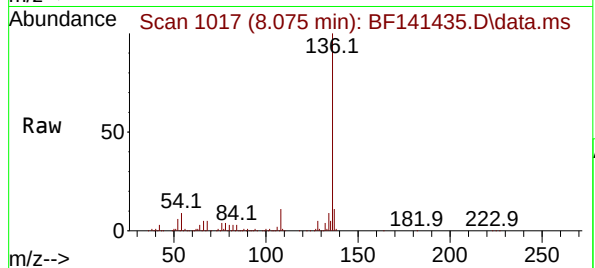
Acq: 05 Feb 2025 10:02

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:136 Resp: 30187

Ion Ratio Lower Upper

136 100

137 10.7 8.6 13.0

54 9.2 7.8 11.8

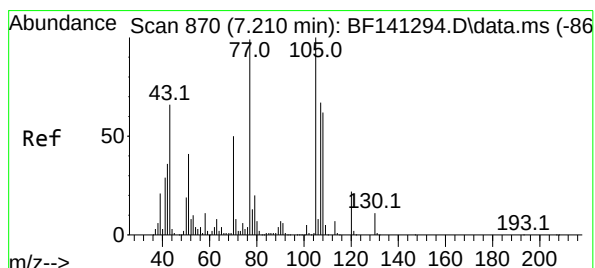
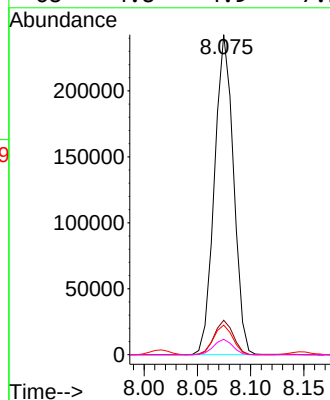
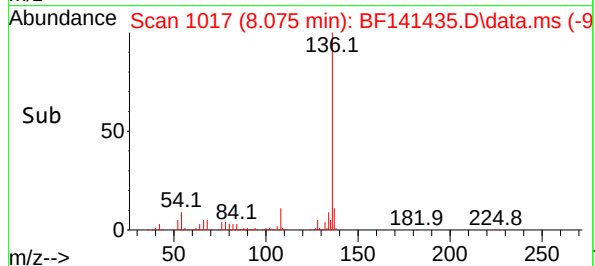
68 4.8 4.9 7.3#

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#22

Acetophenone

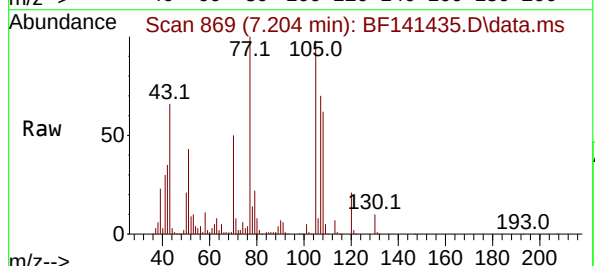
Concen: 41.439 ng

RT: 7.204 min Scan# 869

Delta R.T. -0.012 min

Lab File: BF141435.D

Acq: 05 Feb 2025 10:02



Tgt Ion:105 Resp: 297343

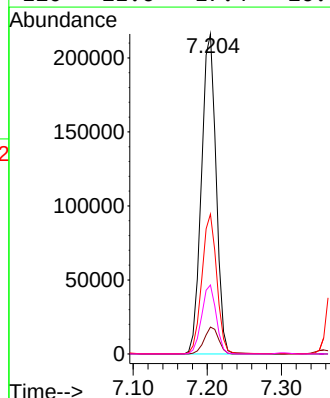
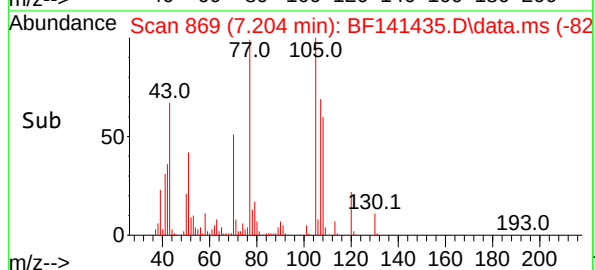
Ion Ratio Lower Upper

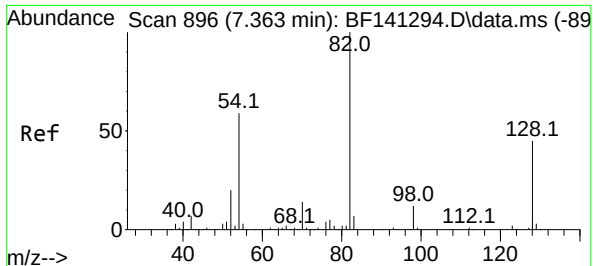
105 100

71 8.4 6.8 10.2

51 43.7 32.6 49.0

120 21.6 17.4 26.0





#23

Nitrobenzene-d5

Concen: 83.608 ng

RT: 7.357 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF141435.D

Acq: 05 Feb 2025 10:02

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 82 Resp: 47876

Ion Ratio Lower Upper

82 100

128 43.3 35.7 53.5

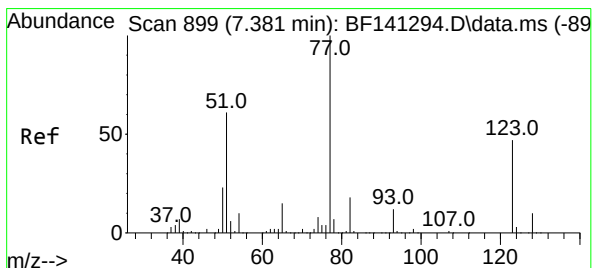
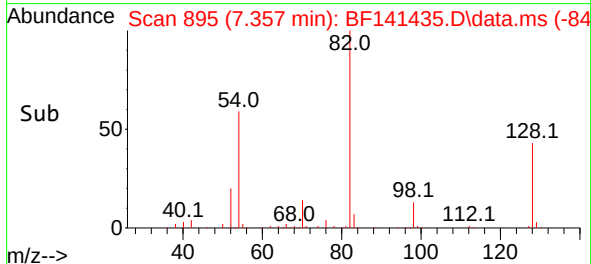
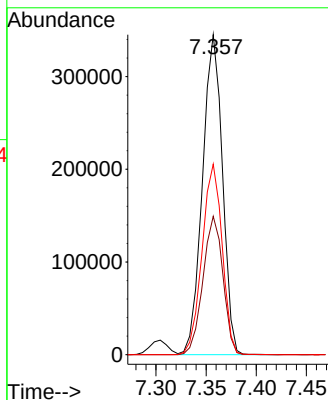
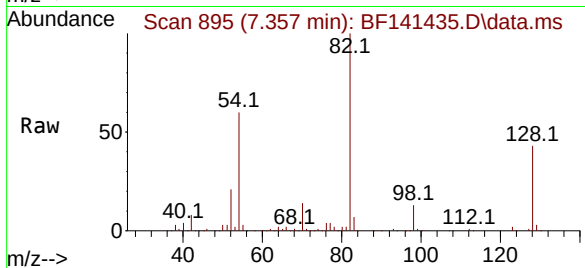
54 59.5 47.1 70.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#24

Nitrobenzene

Concen: 41.037 ng

RT: 7.375 min Scan# 898

Delta R.T. -0.018 min

Lab File: BF141435.D

Acq: 05 Feb 2025 10:02

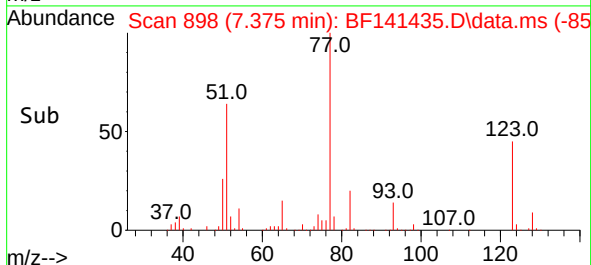
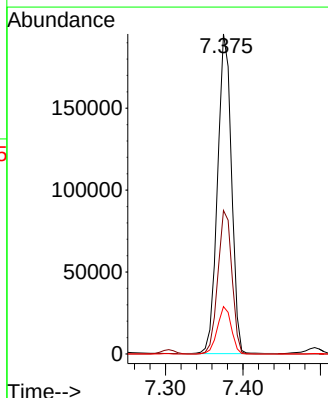
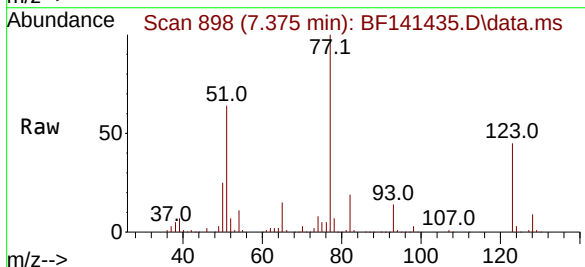
Tgt Ion: 77 Resp: 243522

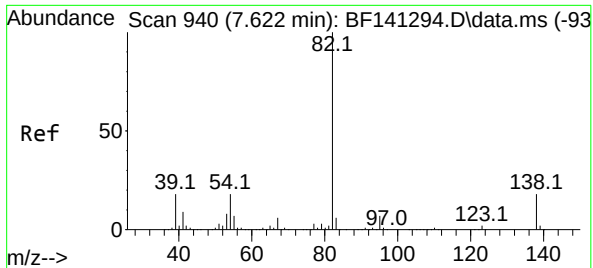
Ion Ratio Lower Upper

77 100

123 44.9 37.3 55.9

65 14.8 11.8 17.6





#25

Isophorone

Concen: 38.520 ng

RT: 7.616 min Scan# 91

Delta R.T. -0.012 min

Lab File: BF141435.D

Acq: 05 Feb 2025 10:02

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 82 Resp: 38128

Ion Ratio Lower Upper

82 100

95 8.0 5.8 8.6

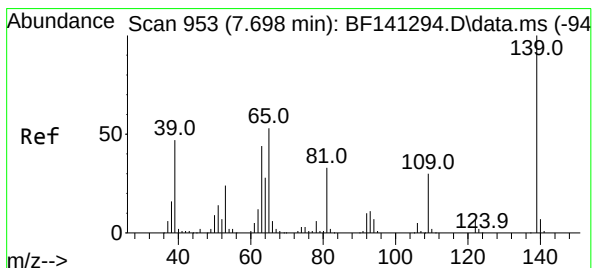
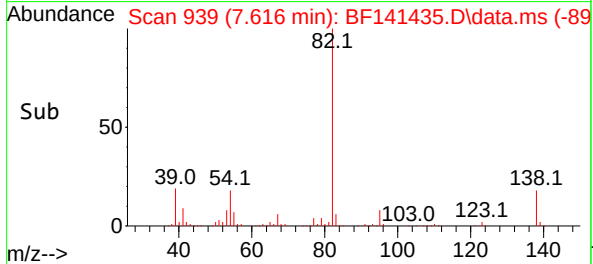
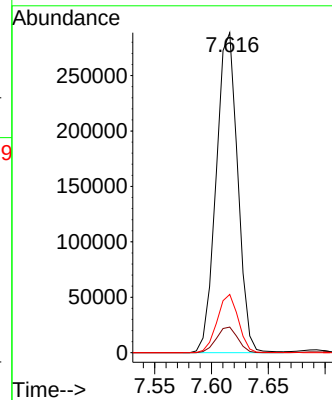
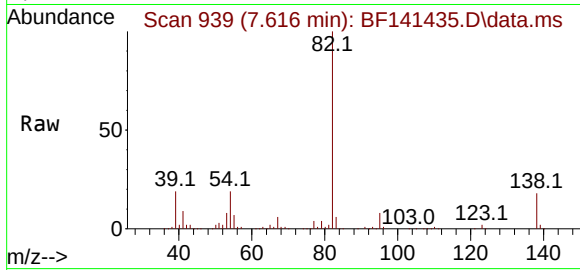
138 18.2 14.7 22.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#26

2-Nitrophenol

Concen: 41.137 ng

RT: 7.692 min Scan# 952

Delta R.T. -0.012 min

Lab File: BF141435.D

Acq: 05 Feb 2025 10:02

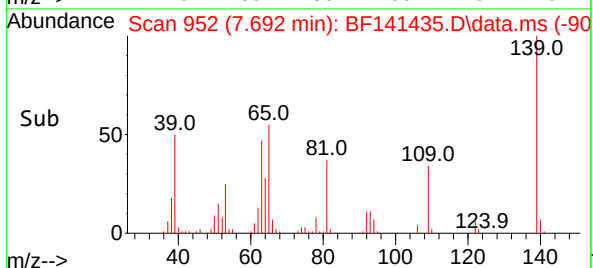
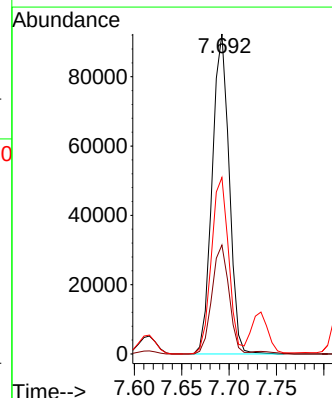
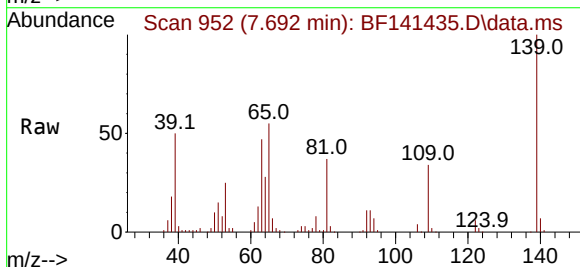
Tgt Ion:139 Resp: 115128

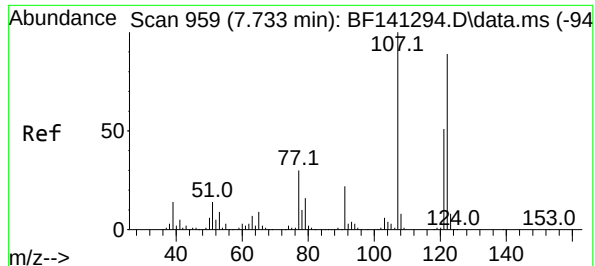
Ion Ratio Lower Upper

139 100

109 34.0 23.8 35.6

65 55.2 42.2 63.4





#27

2,4-Dimethylphenol

Concen: 38.795 ng m

RT: 7.734 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF141435.D

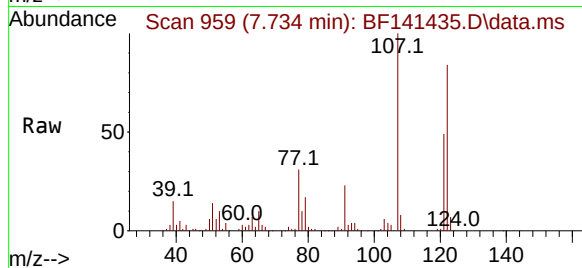
Acq: 05 Feb 2025 10:02

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:122 Resp: 138190

Ion Ratio Lower Upper

122 100

107 119.3 89.9 134.9

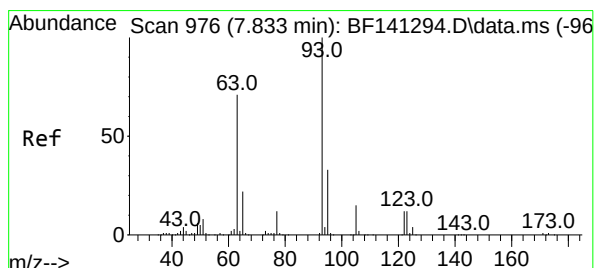
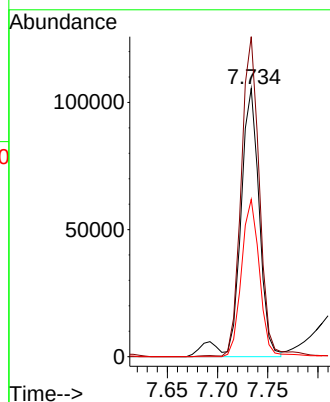
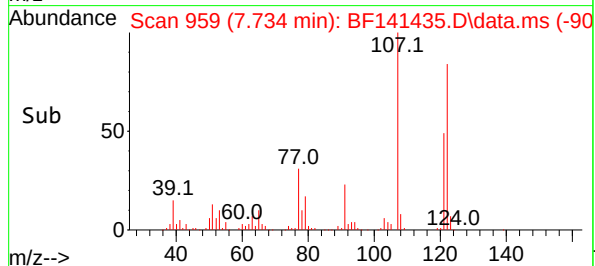
121 58.7 46.1 69.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#28

bis(2-Chloroethoxy)methane

Concen: 37.533 ng

RT: 7.828 min Scan# 975

Delta R.T. -0.012 min

Lab File: BF141435.D

Acq: 05 Feb 2025 10:02

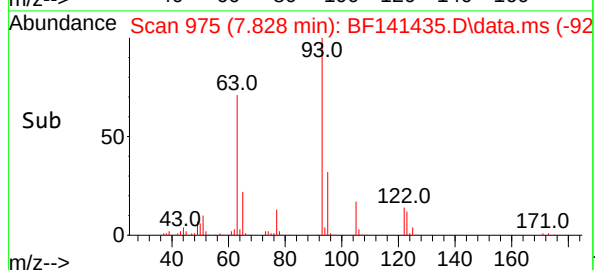
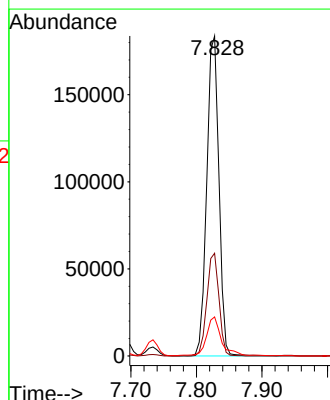
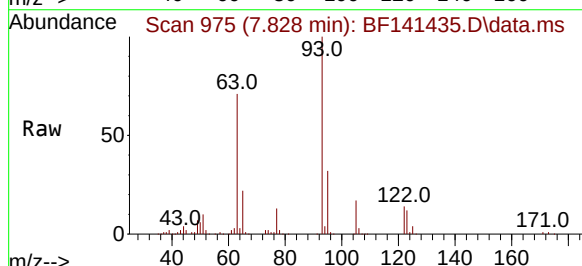
Tgt Ion: 93 Resp: 236983

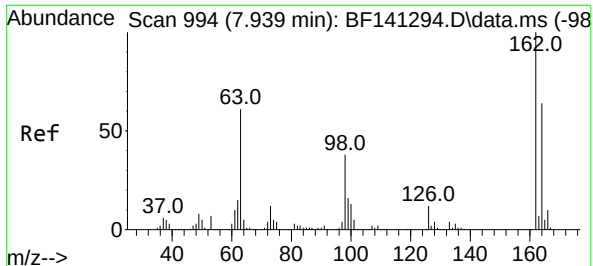
Ion Ratio Lower Upper

93 100

95 32.1 26.2 39.2

123 12.2 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 41.092 ng

RT: 7.939 min Scan# 994

Delta R.T. -0.006 min

Lab File: BF141435.D

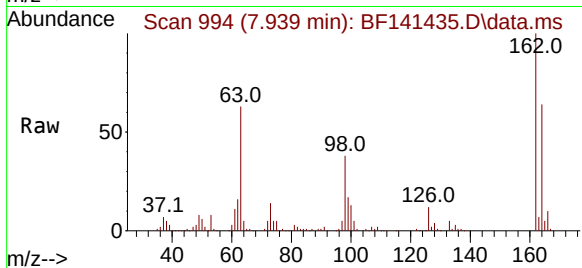
Acq: 05 Feb 2025 10:02

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:162 Resp: 17920

Ion Ratio Lower Upper

162 100

164 63.9 44.2 84.2

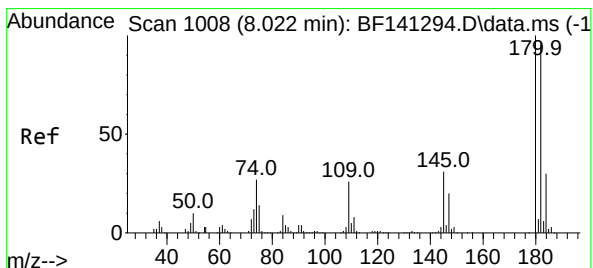
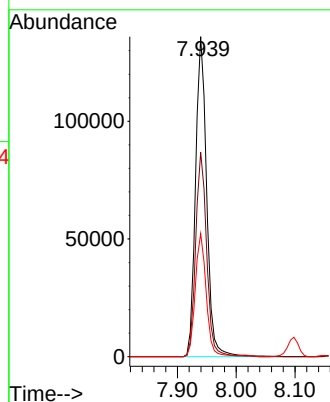
98 38.4 18.2 58.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#30

1,2,4-Trichlorobenzene

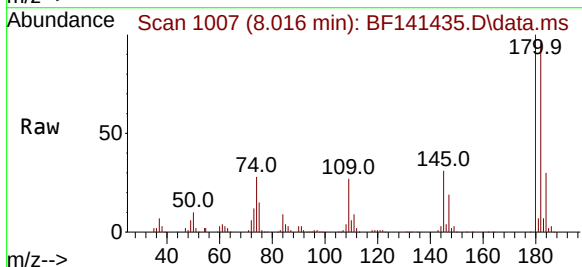
Concen: 41.020 ng

RT: 8.016 min Scan# 1007

Delta R.T. -0.012 min

Lab File: BF141435.D

Acq: 05 Feb 2025 10:02



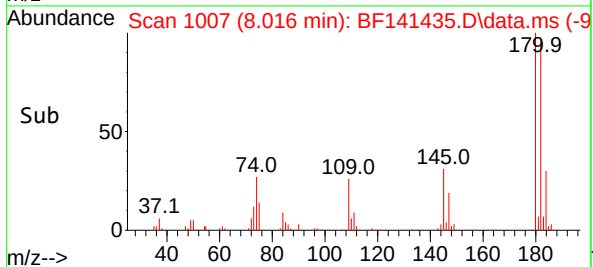
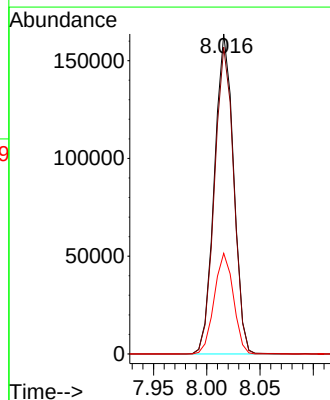
Tgt Ion:180 Resp: 204292

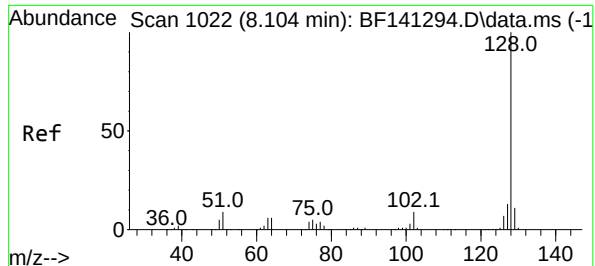
Ion Ratio Lower Upper

180 100

182 95.9 76.4 114.6

145 31.5 24.9 37.3





#31

Naphthalene

Concen: 40.064 ng

RT: 8.098 min Scan# 1022

Delta R.T. -0.012 min

Lab File: BF141435.D

Acq: 05 Feb 2025 10:02

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:128 Resp: 63889

Ion Ratio Lower Upper

128 100

129 10.7 8.9 13.3

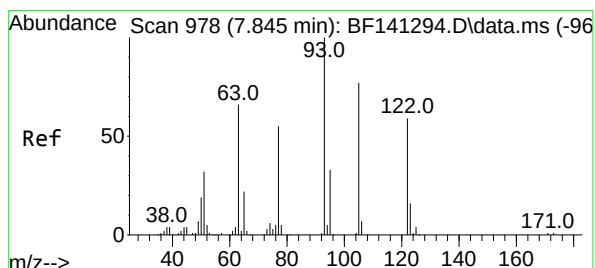
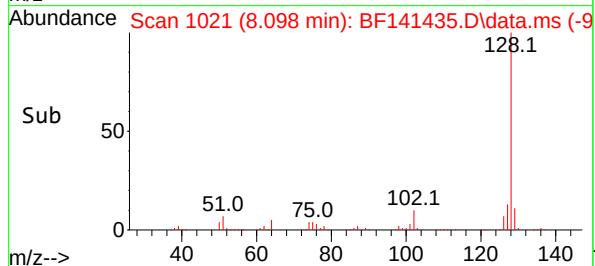
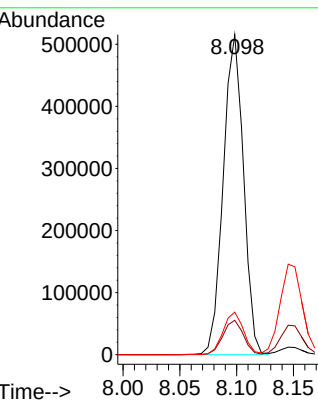
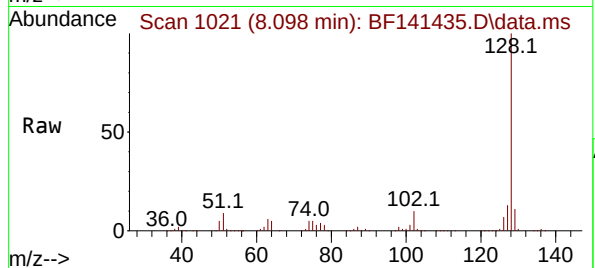
127 13.3 10.6 15.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#32

Benzoic acid

Concen: 40.161 ng

RT: 7.851 min Scan# 979

Delta R.T. -0.030 min

Lab File: BF141435.D

Acq: 05 Feb 2025 10:02

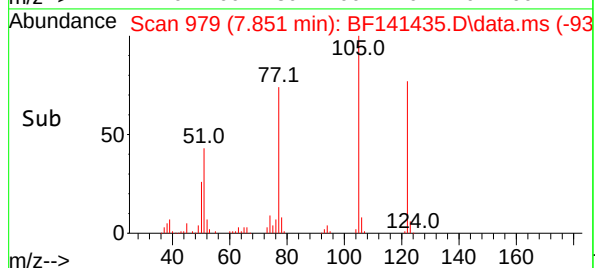
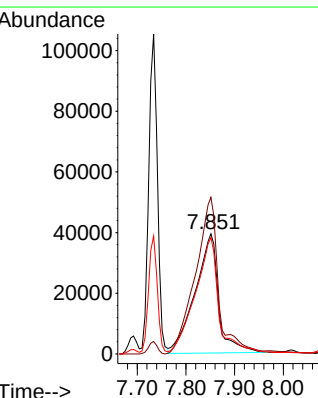
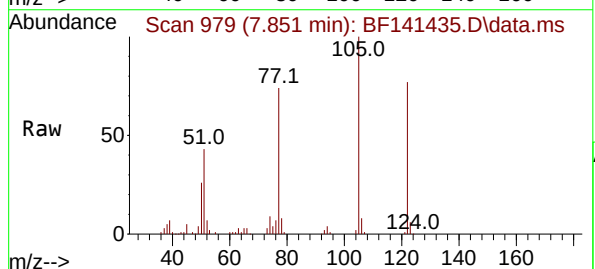
Tgt Ion:122 Resp: 131516

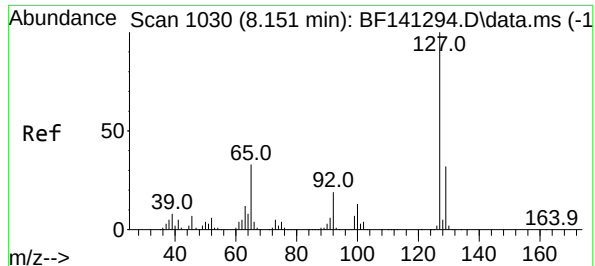
Ion Ratio Lower Upper

122 100

105 130.3 103.4 143.4

77 96.7 70.9 110.9





#33

4-Chloroaniline

Concen: 37.413 ng

RT: 8.145 min Scan# 1029

Delta R.T. -0.012 min

Lab File: BF141435.D

Acq: 05 Feb 2025 10:02

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:127 Resp: 202319

Ion Ratio Lower Upper

127 100

129 32.4 25.7 38.5

65 34.1 26.4 39.6

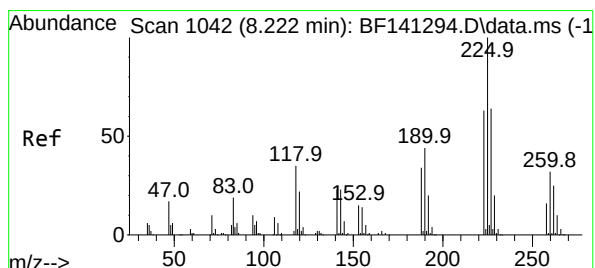
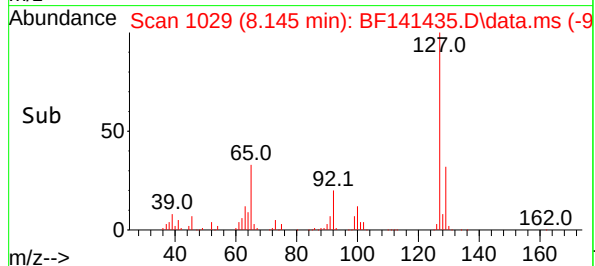
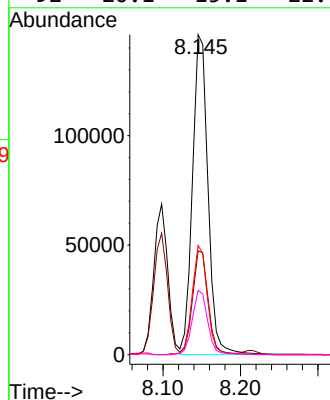
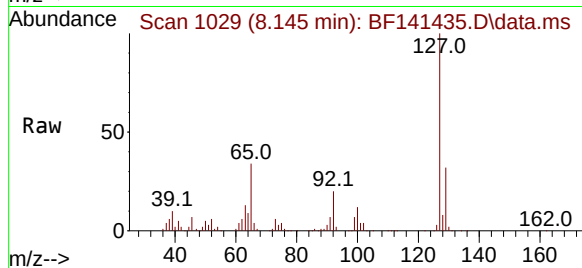
92 20.1 15.1 22.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#34

Hexachlorobutadiene

Concen: 43.834 ng

RT: 8.216 min Scan# 1041

Delta R.T. -0.006 min

Lab File: BF141435.D

Acq: 05 Feb 2025 10:02

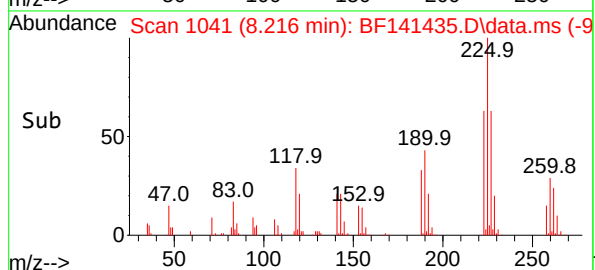
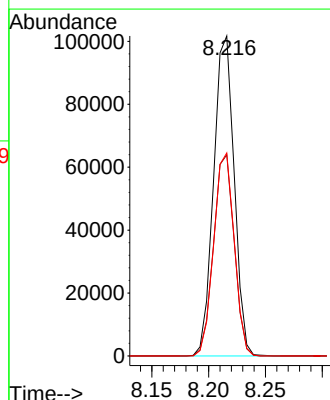
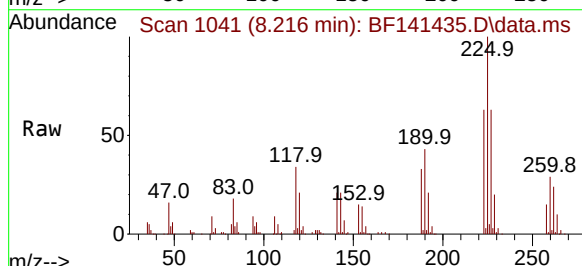
Tgt Ion:225 Resp: 128024

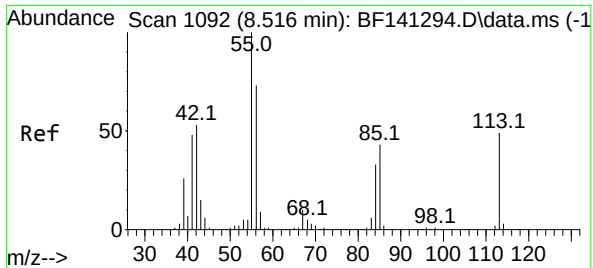
Ion Ratio Lower Upper

225 100

223 62.8 50.4 75.6

227 63.4 51.3 76.9





#35

Caprolactam

Concen: 39.058 ng

RT: 8.516 min Scan# 1092

Delta R.T. -0.030 min

Lab File: BF141435.D

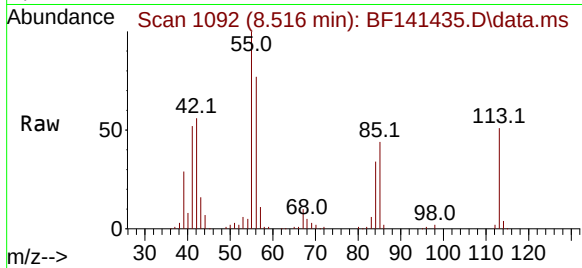
Acq: 05 Feb 2025 10:02

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:113 Resp: 55628

Ion Ratio Lower Upper

113 100

55 196.8 182.9 222.9

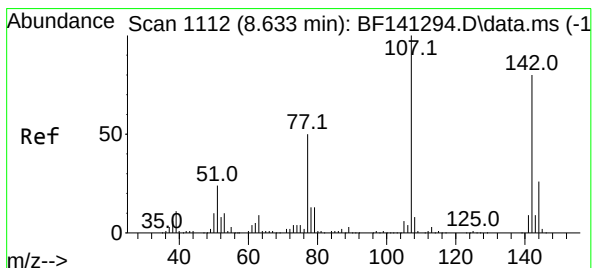
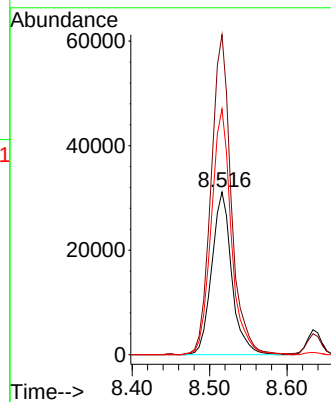
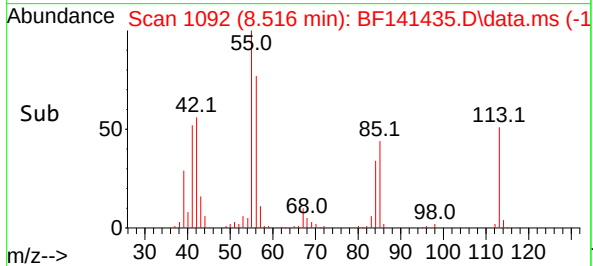
56 151.2 127.9 167.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#36

4-Chloro-3-methylphenol

Concen: 41.751 ng

RT: 8.634 min Scan# 1112

Delta R.T. -0.006 min

Lab File: BF141435.D

Acq: 05 Feb 2025 10:02

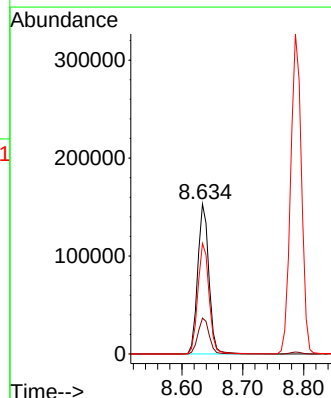
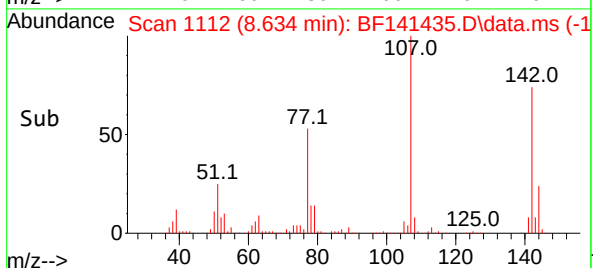
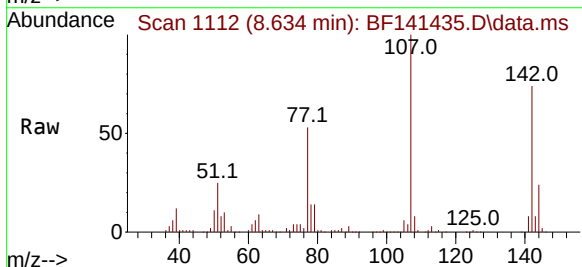
Tgt Ion:107 Resp: 195300

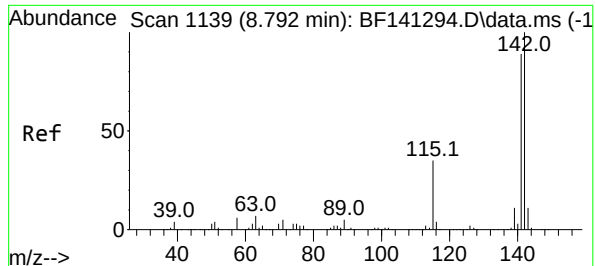
Ion Ratio Lower Upper

107 100

144 23.9 20.7 31.1

142 73.7 63.8 95.8





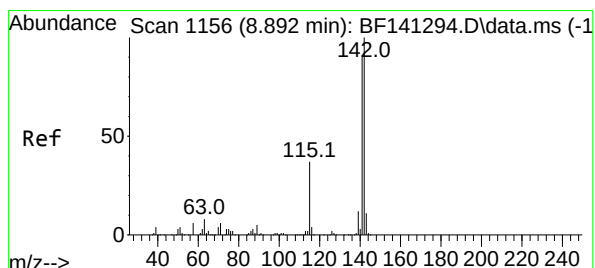
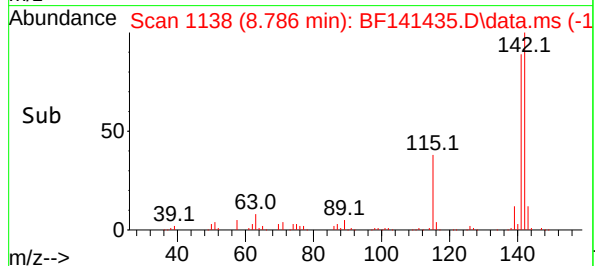
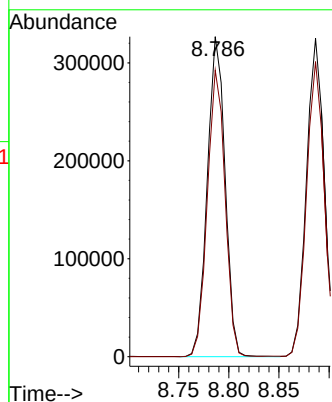
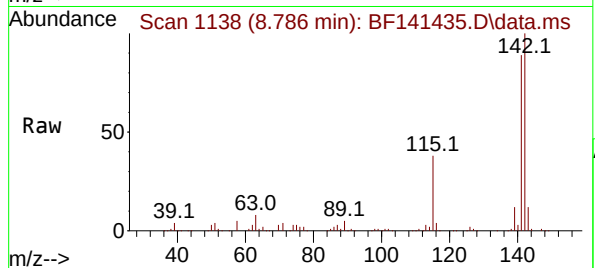
#37
2-Methylnaphthalene
Concen: 39.913 ng
RT: 8.786 min Scan# 1138
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 404544
Ion Ratio Lower Upper
142 100
141 89.5 71.3 106.9

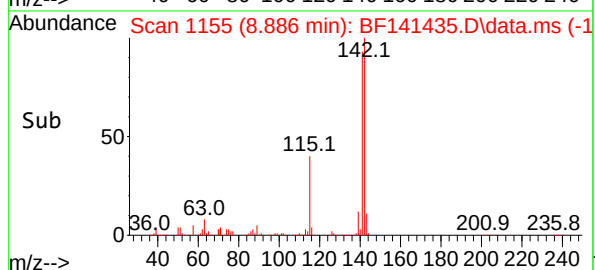
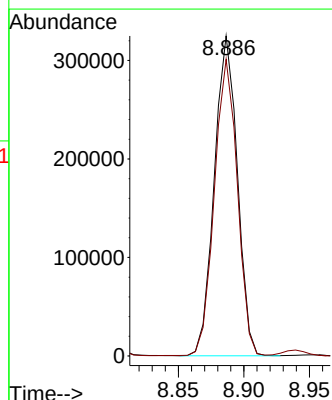
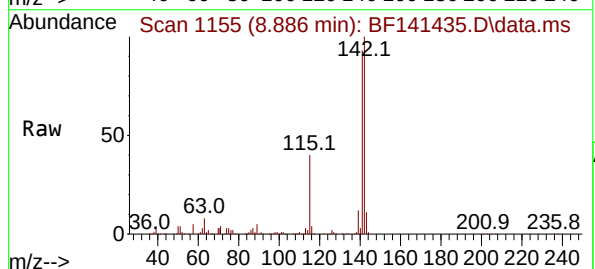
Manual Integrations
APPROVED

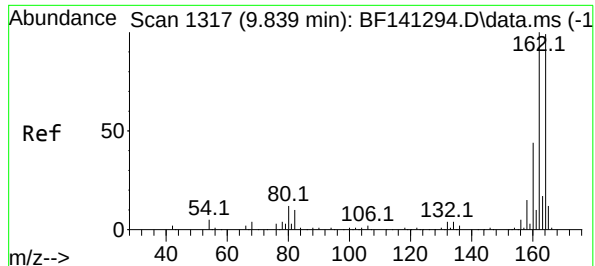
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#38
1-Methylnaphthalene
Concen: 39.835 ng
RT: 8.886 min Scan# 1155
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:142 Resp: 396613
Ion Ratio Lower Upper
142 100
141 92.7 73.2 109.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.828 min Scan# 1165

Delta R.T. -0.012 min

Lab File: BF141435.D

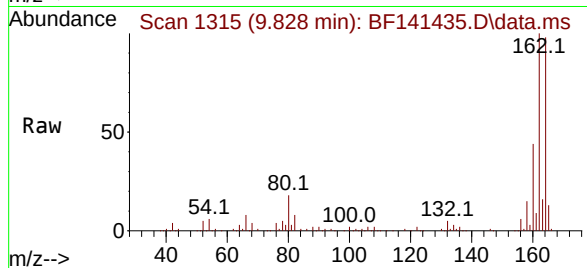
Acq: 05 Feb 2025 10:02

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:164 Resp: 162758

Ion Ratio Lower Upper

164 100

162 101.6 80.6 121.0

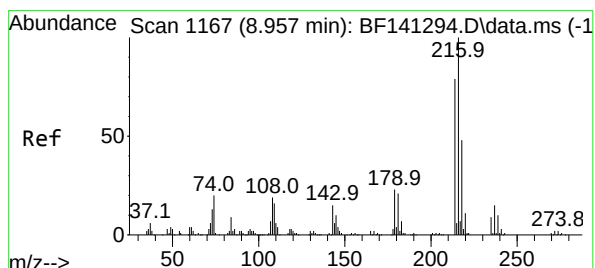
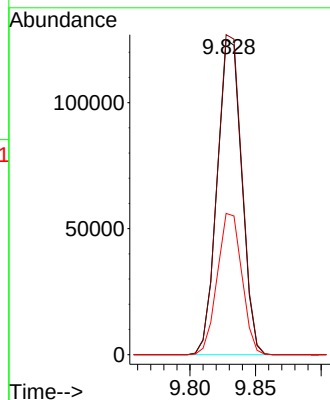
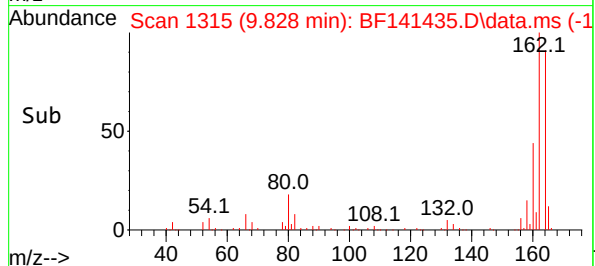
160 44.9 35.8 53.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 40.737 ng

RT: 8.951 min Scan# 1166

Delta R.T. -0.012 min

Lab File: BF141435.D

Acq: 05 Feb 2025 10:02

Tgt Ion:216 Resp: 188623

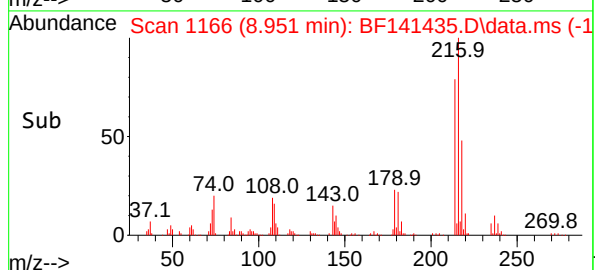
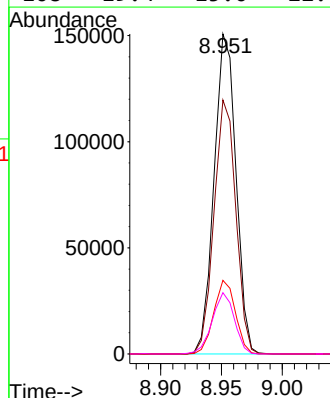
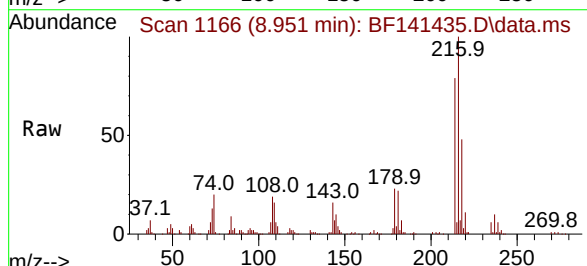
Ion Ratio Lower Upper

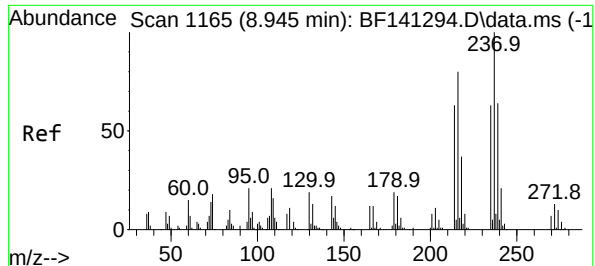
216 100

214 79.2 63.2 94.8

179 22.8 17.8 26.8

108 19.4 15.0 22.6





#41

Hexachlorocyclopentadiene

Concen: 39.437 ng

RT: 8.939 min Scan# 1164

Delta R.T. -0.012 min

Lab File: BF141435.D

Acq: 05 Feb 2025 10:02

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:237 Resp: 53928

Ion Ratio Lower Upper

237 100

235 64.5 42.9 82.9

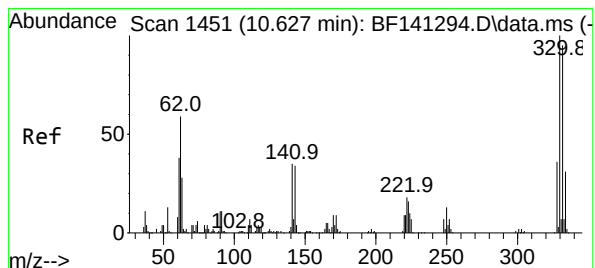
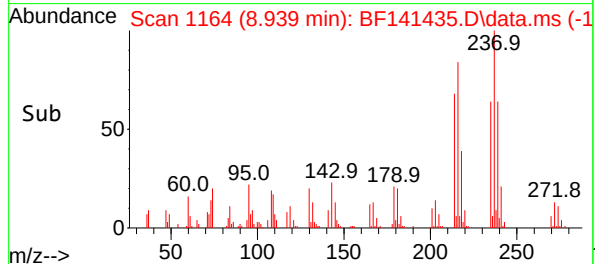
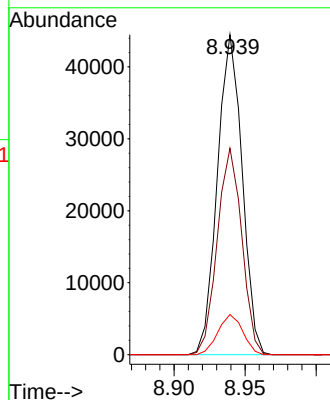
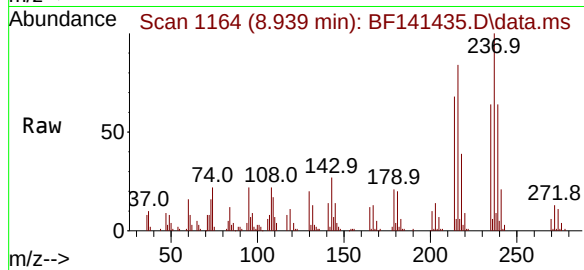
272 12.5 0.0 32.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#42

2,4,6-Tribromophenol

Concen: 85.780 ng

RT: 10.622 min Scan# 1450

Delta R.T. -0.012 min

Lab File: BF141435.D

Acq: 05 Feb 2025 10:02

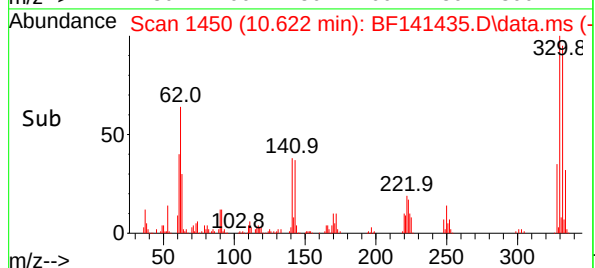
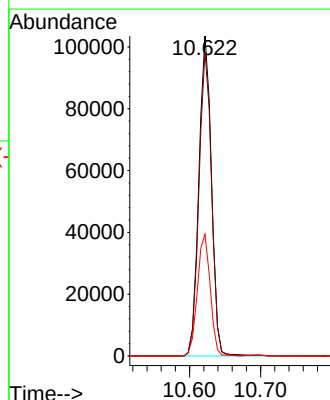
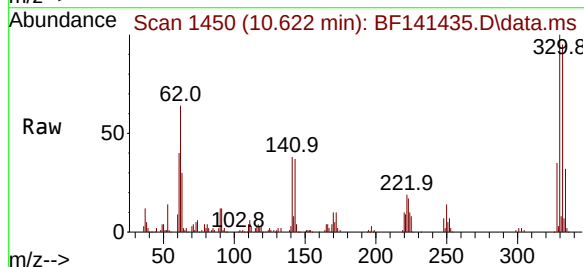
Tgt Ion:330 Resp: 127994

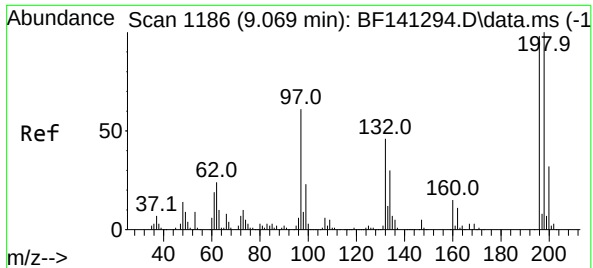
Ion Ratio Lower Upper

330 100

332 94.8 76.1 114.1

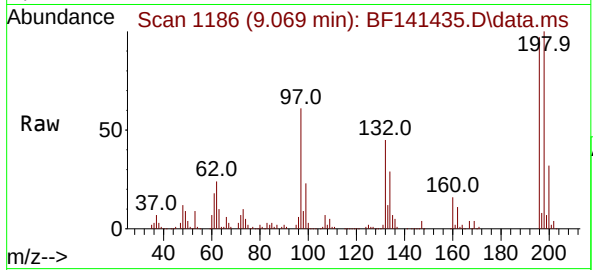
141 38.5 28.8 43.2





#43
2,4,6-Trichlorophenol
Concen: 41.315 ng
RT: 9.069 min Scan# 1186
Delta R.T. -0.006 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

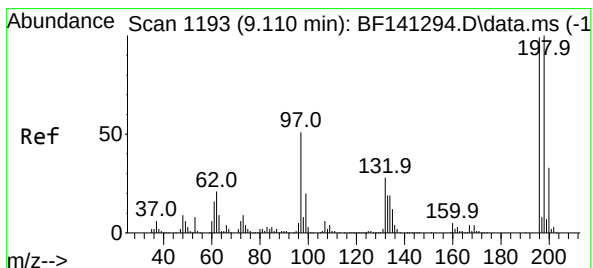
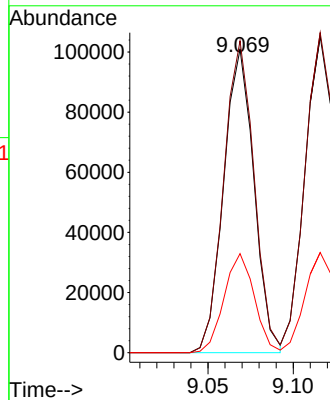
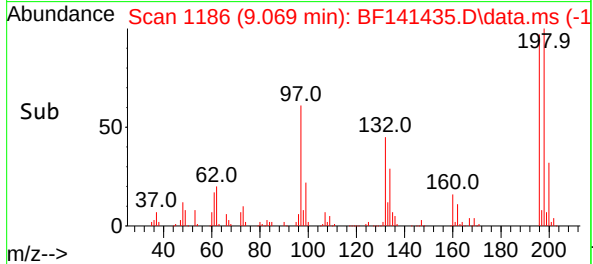
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



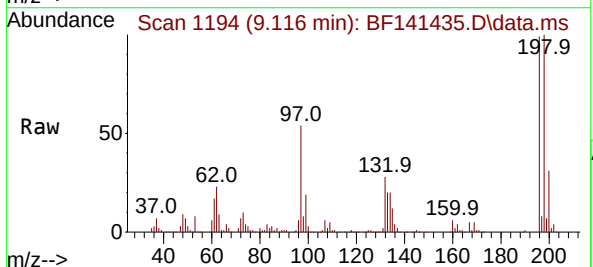
Tgt Ion:196 Resp: 12521
Ion Ratio Lower Upper
196 100
198 102.7 81.8 122.6
200 32.6 26.3 39.5

Manual Integrations
APPROVED

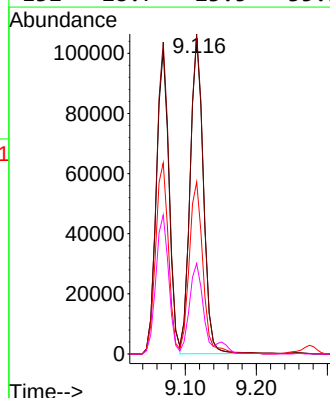
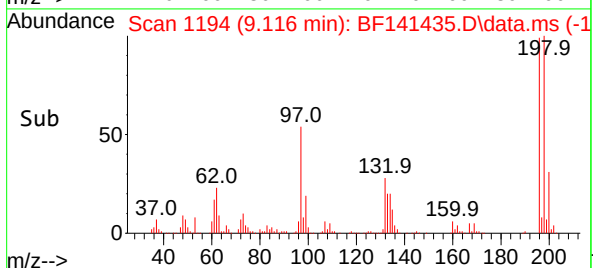
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

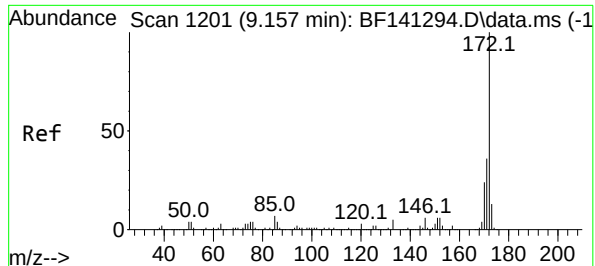


#44
2,4,5-Trichlorophenol
Concen: 41.284 ng
RT: 9.116 min Scan# 1194
Delta R.T. -0.000 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02



Tgt Ion:196 Resp: 136179
Ion Ratio Lower Upper
196 100
198 101.2 80.5 120.7
97 54.4 42.8 64.2
132 28.7 23.5 35.3





#45

2-Fluorobiphenyl

Concen: 82.364 ng

RT: 9.151 min Scan# 1200

Delta R.T. -0.012 min

Lab File: BF141435.D

Acq: 05 Feb 2025 10:02

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:172 Resp: 87093

Ion Ratio Lower Upper

172 100

171 35.5 28.8 43.2

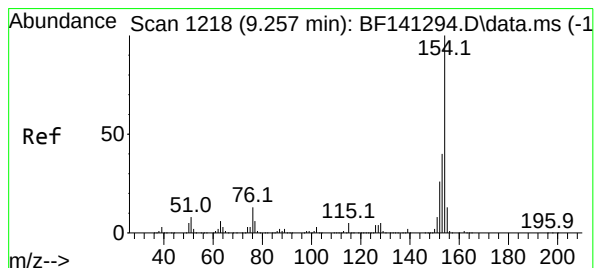
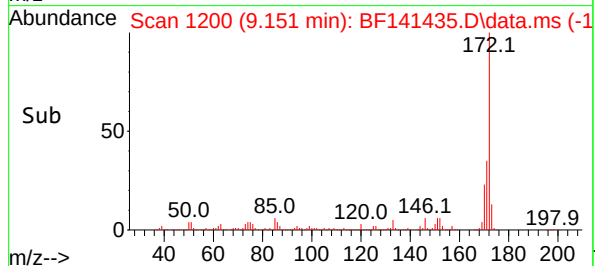
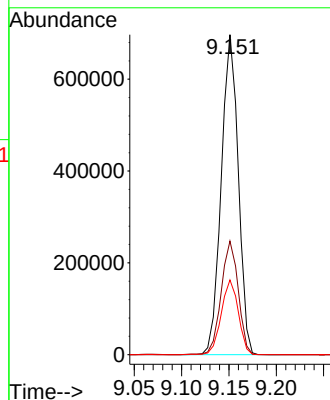
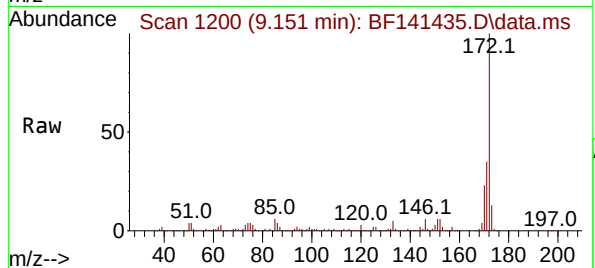
170 23.4 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#46

1,1'-Biphenyl

Concen: 39.392 ng

RT: 9.251 min Scan# 1217

Delta R.T. -0.012 min

Lab File: BF141435.D

Acq: 05 Feb 2025 10:02

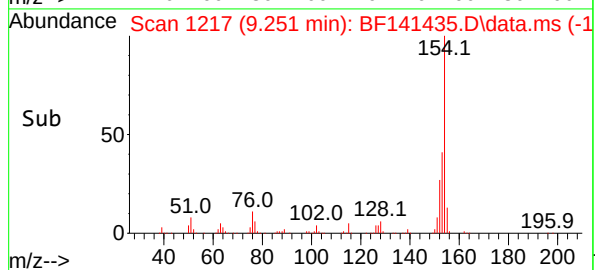
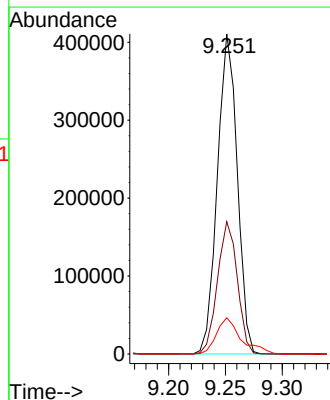
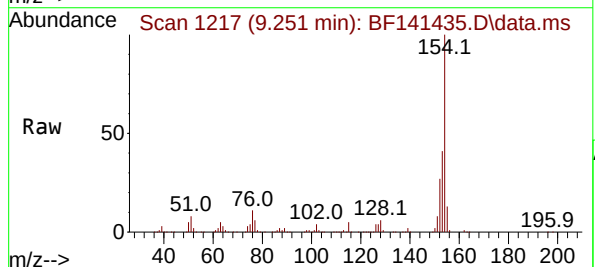
Tgt Ion:154 Resp: 500011

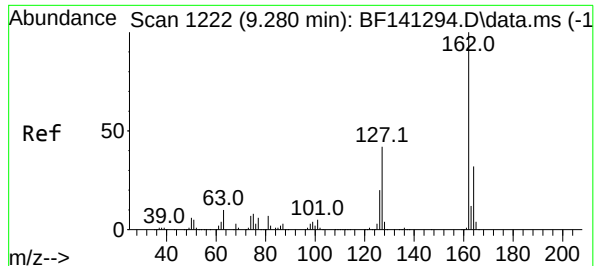
Ion Ratio Lower Upper

154 100

153 41.3 20.0 60.0

76 11.3 0.0 32.8





#47

2-Chloronaphthalene

Concen: 40.191 ng

RT: 9.275 min Scan# 1222

Delta R.T. -0.012 min

Lab File: BF141435.D

Acq: 05 Feb 2025 10:02

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:162 Resp: 39763

Ion Ratio Lower Upper

162 100

127 42.2 33.7 50.5

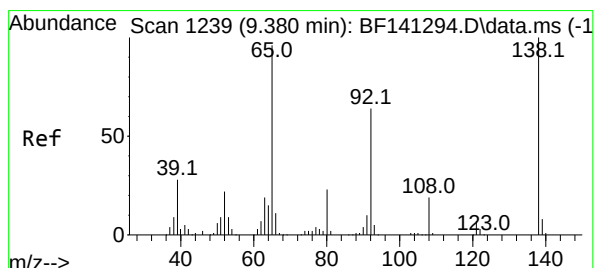
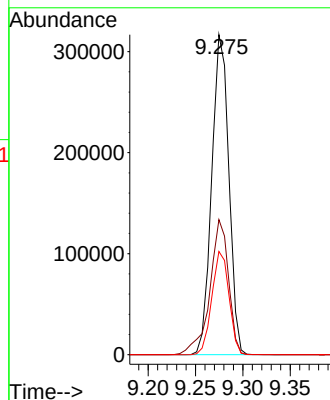
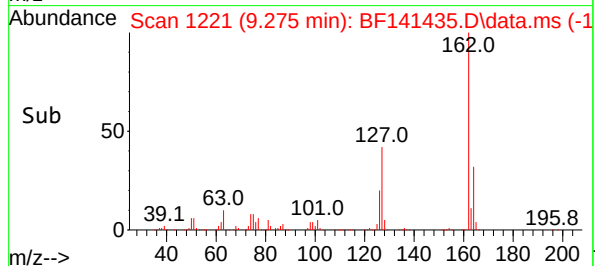
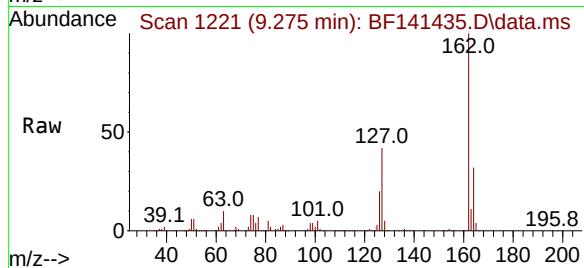
164 32.3 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#48

2-Nitroaniline

Concen: 41.385 ng

RT: 9.375 min Scan# 1238

Delta R.T. -0.006 min

Lab File: BF141435.D

Acq: 05 Feb 2025 10:02

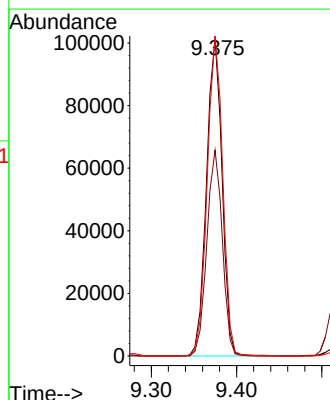
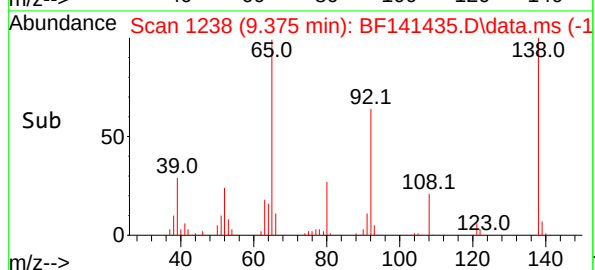
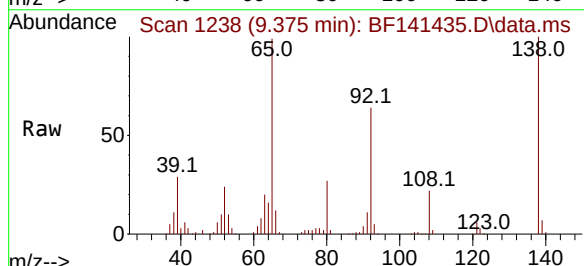
Tgt Ion: 65 Resp: 128787

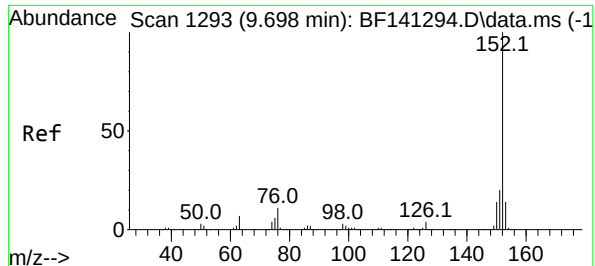
Ion Ratio Lower Upper

65 100

92 64.8 53.3 79.9

138 100.8 83.6 125.4





#49

Acenaphthylene

Concen: 39.872 ng

RT: 9.692 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141435.D

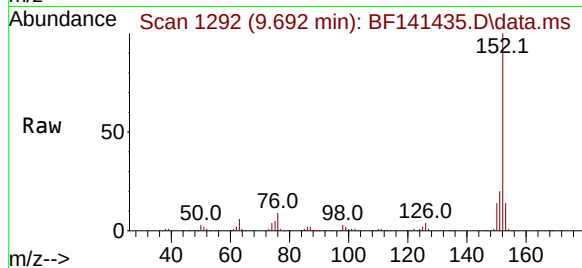
Acq: 05 Feb 2025 10:02

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:152 Resp: 552204

Ion Ratio Lower Upper

152 100

151 20.2 16.2 24.2

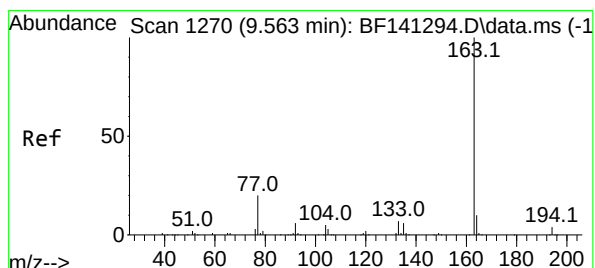
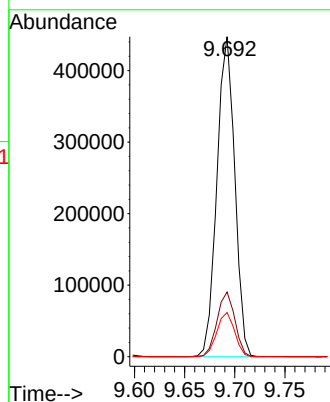
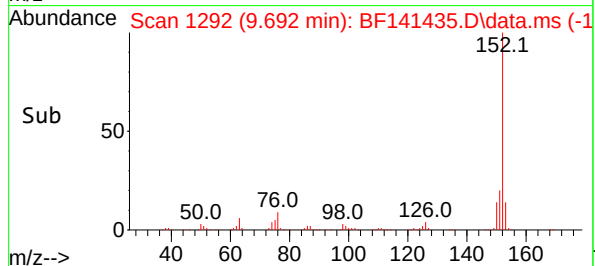
153 13.8 11.0 16.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#50

Dimethylphthalate

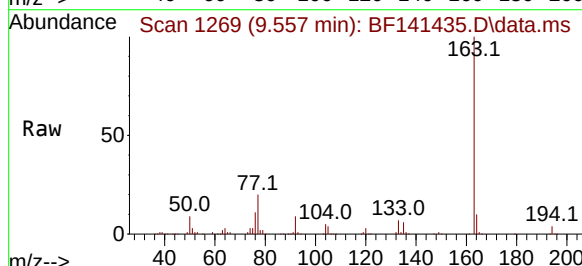
Concen: 39.828 ng

RT: 9.557 min Scan# 1269

Delta R.T. -0.012 min

Lab File: BF141435.D

Acq: 05 Feb 2025 10:02



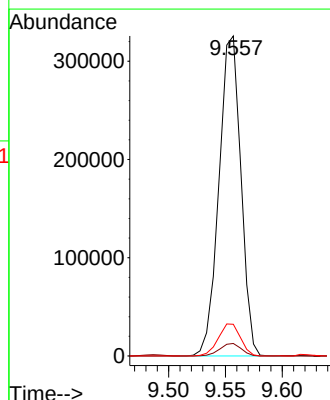
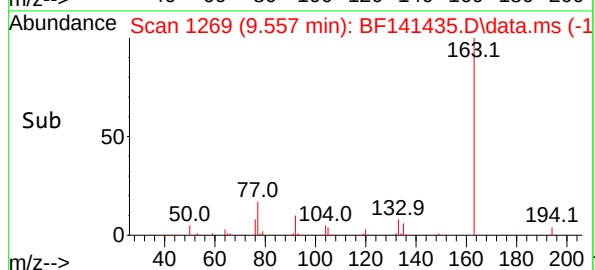
Tgt Ion:163 Resp: 437816

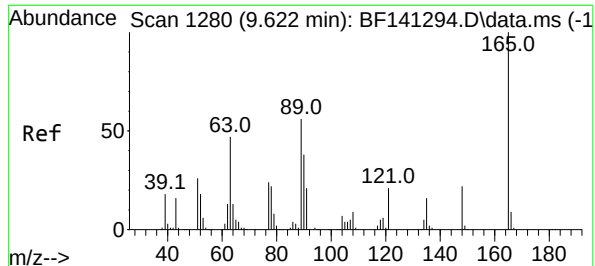
Ion Ratio Lower Upper

163 100

194 3.9 3.0 4.6

164 9.9 8.0 12.0





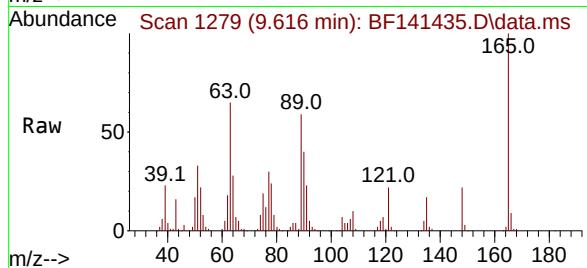
#51
2,6-Dinitrotoluene
Concen: 40.695 ng
RT: 9.616 min Scan# 1279
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

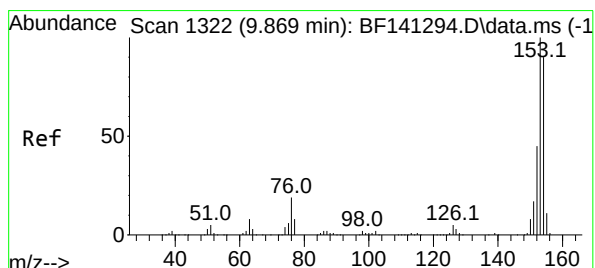
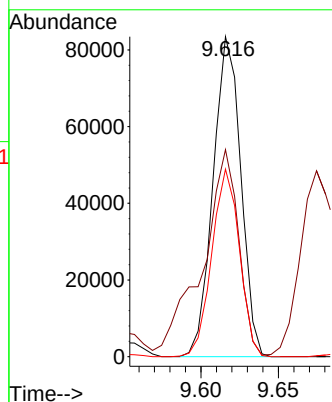
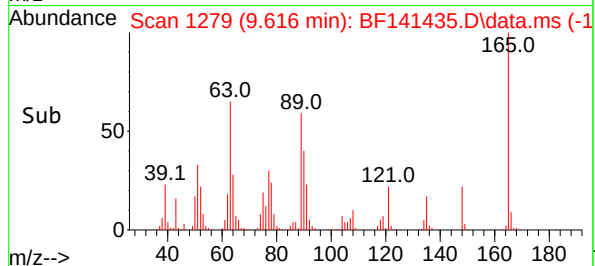


Tgt Ion:165 Resp: 103868
Ion Ratio Lower Upper
165 100
63 64.7 48.1 72.1
89 58.6 44.9 67.3

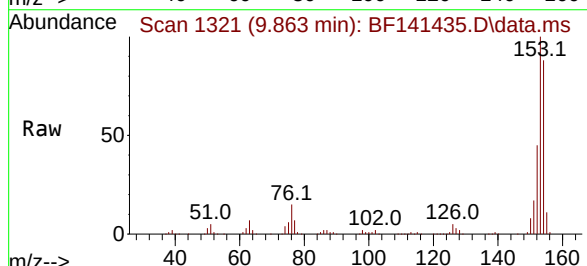
Manual Integrations

APPROVED

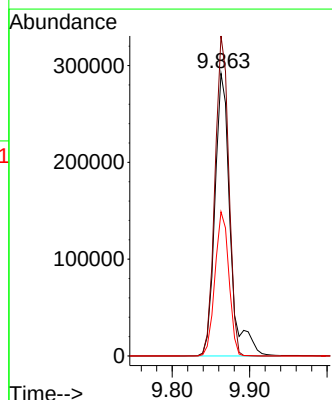
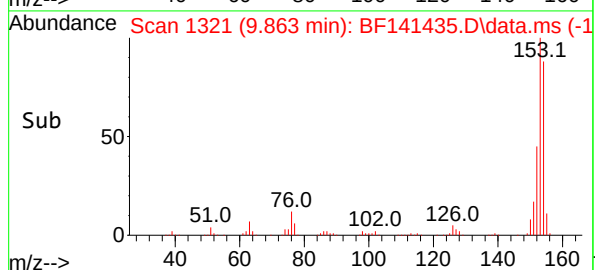
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

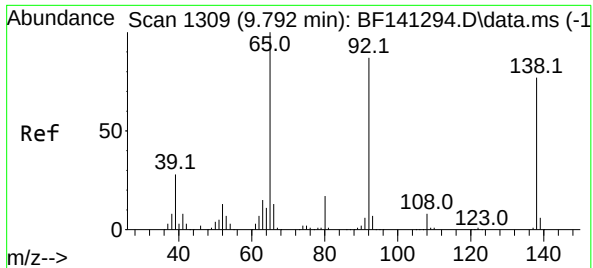


#52
Acenaphthene
Concen: 40.520 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02



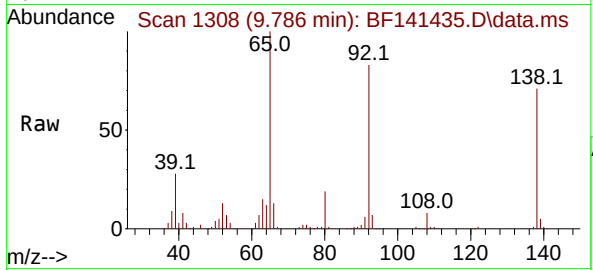
Tgt Ion:154 Resp: 400902
Ion Ratio Lower Upper
154 100
153 113.2 89.0 133.4
152 51.0 40.2 60.4





#53
3-Nitroaniline
Concen: 40.165 ng
RT: 9.786 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

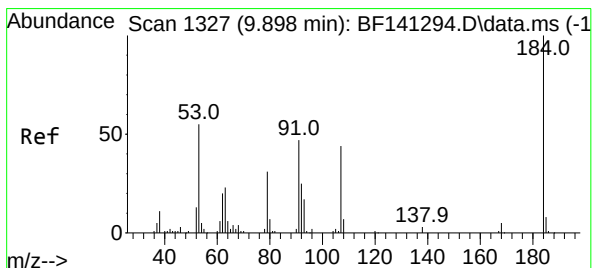
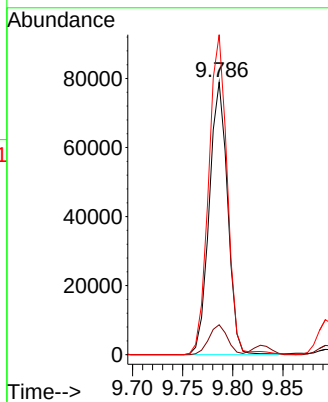
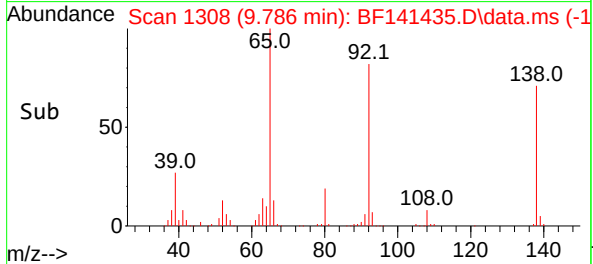
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:138 Resp: 100479
Ion Ratio Lower Upper
138 100
108 11.0 8.6 12.8
92 117.4 91.0 136.6

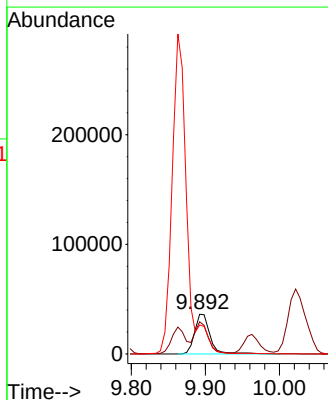
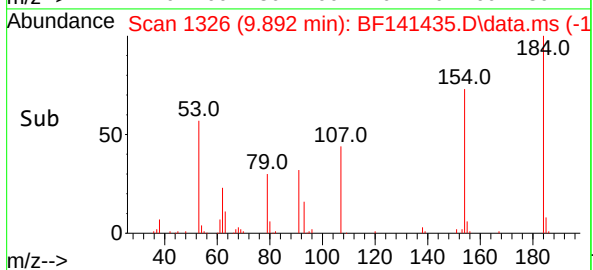
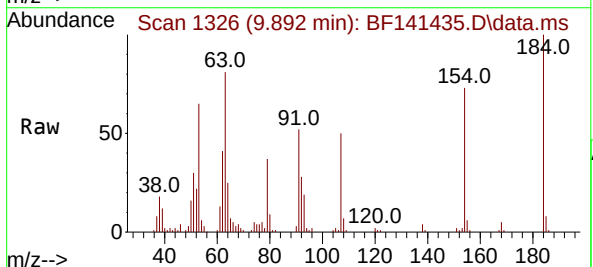
Manual Integrations
APPROVED

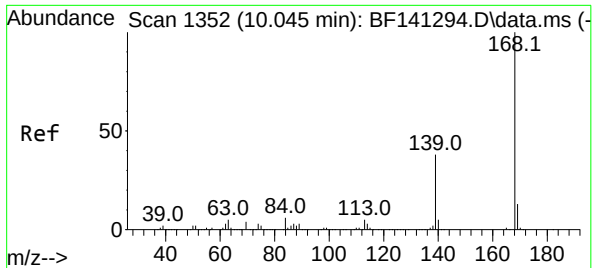
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#54
2,4-Dinitrophenol
Concen: 43.990 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

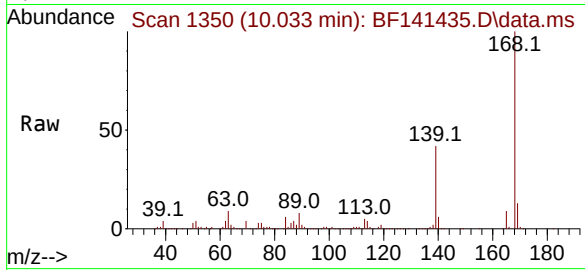
Tgt Ion:184 Resp: 52193
Ion Ratio Lower Upper
184 100
63 81.2 54.1 81.1#
154 73.0 50.7 76.1





#55
Dibenzenofuran
Concen: 39.973 ng
RT: 10.033 min Scan# 1350
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

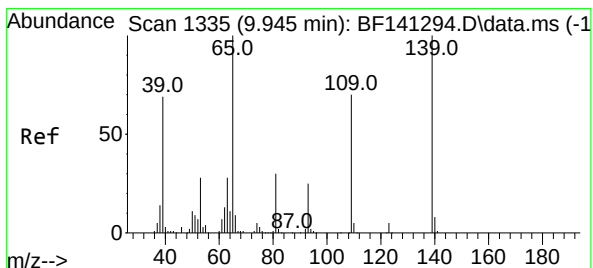
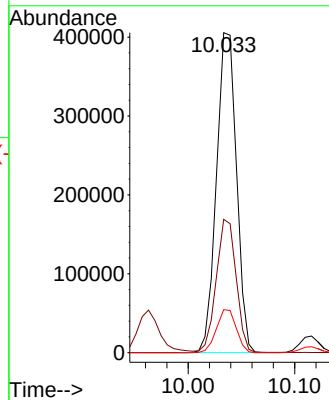
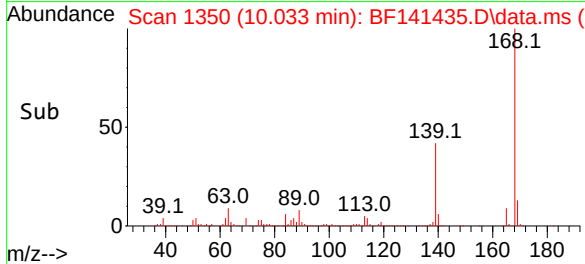
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:168 Resp: 529389
Ion Ratio Lower Upper
168 100
139 41.6 30.6 46.0
169 13.4 10.8 16.2

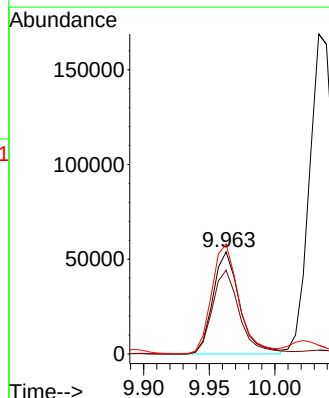
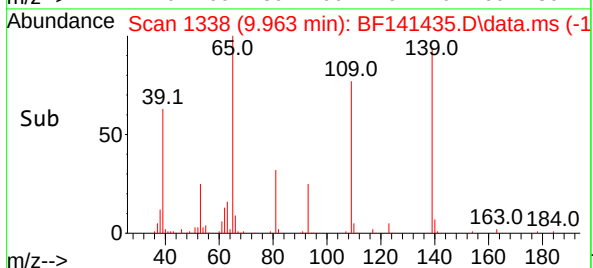
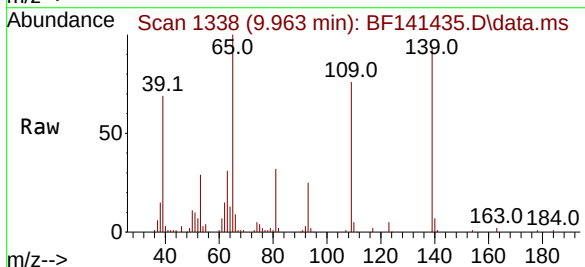
Manual Integrations
APPROVED

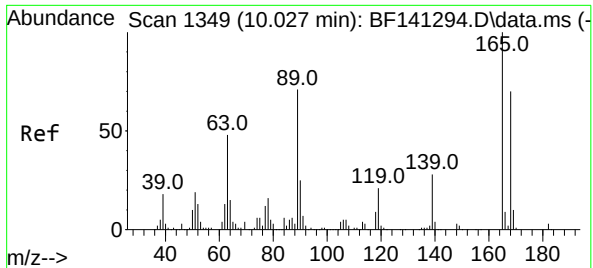
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#56
4-Nitrophenol
Concen: 41.844 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.006 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:139 Resp: 76553
Ion Ratio Lower Upper
139 100
109 82.0 50.2 90.2
65 107.8 80.6 120.6





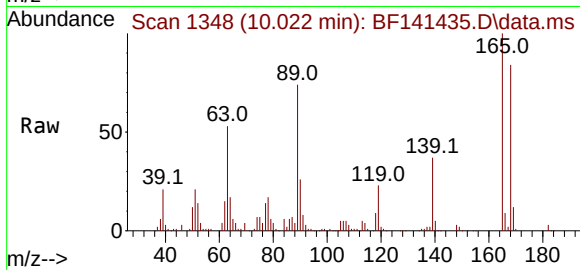
#57
2,4-Dinitrotoluene
Concen: 42.144 ng
RT: 10.022 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

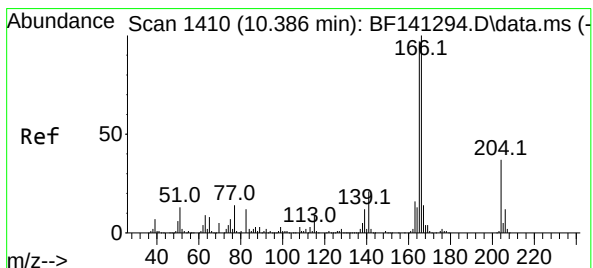
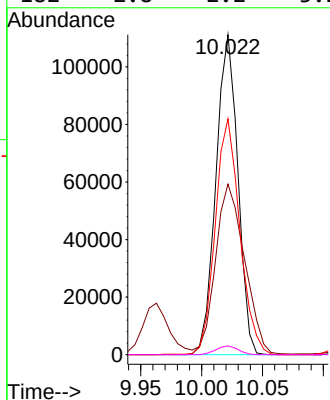
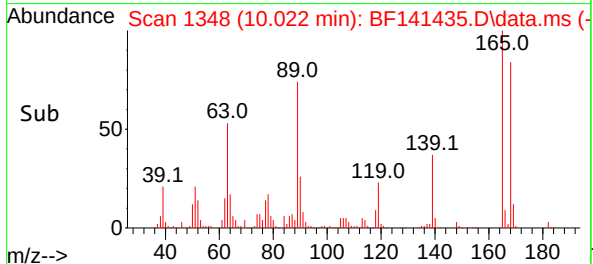


Tgt Ion:165 Resp: 13926
Ion Ratio Lower Upper
165 100
63 53.3 39.2 58.8
89 73.7 56.9 85.3
182 2.8 2.2 3.2

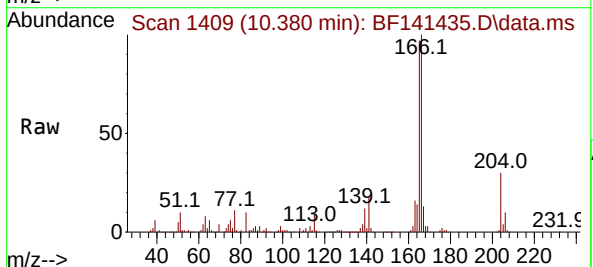
Manual Integrations

APPROVED

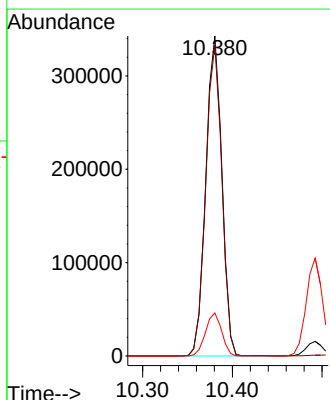
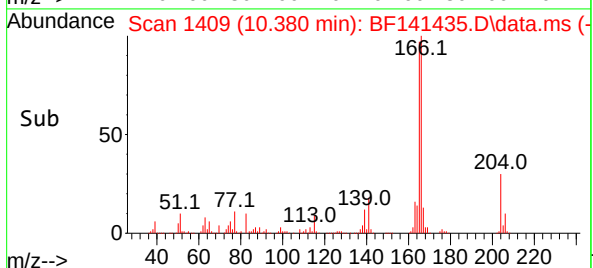
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

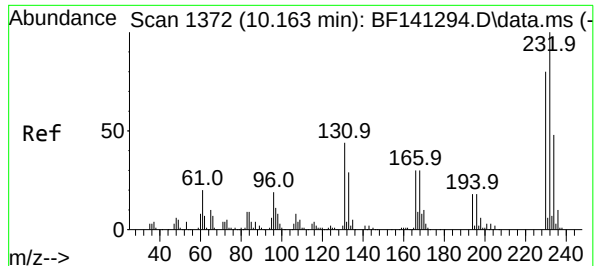


#58
Fluorene
Concen: 41.573 ng
RT: 10.380 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02



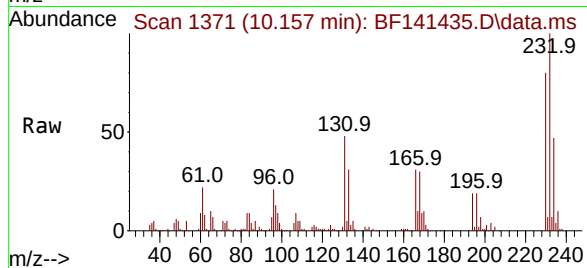
Tgt Ion:166 Resp: 427075
Ion Ratio Lower Upper
166 100
165 97.3 77.5 116.3
167 13.5 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 42.052 ng
RT: 10.157 min Scan# 1371
Delta R.T. -0.006 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

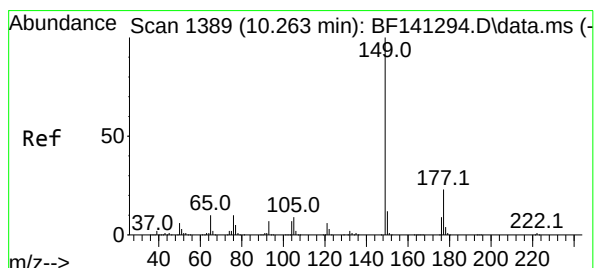
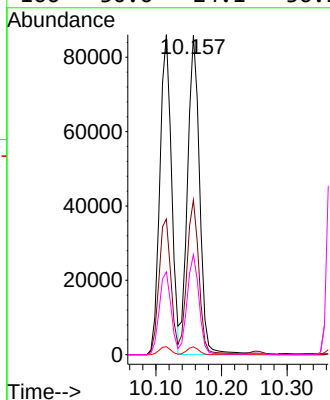
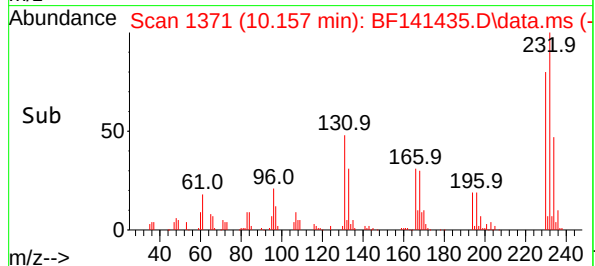
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:232 Resp: 109120
Ion Ratio Lower Upper
232 100
131 48.6 36.4 54.6
130 2.4 1.9 2.9
166 30.6 24.1 36.1

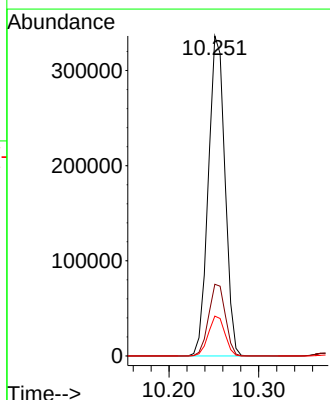
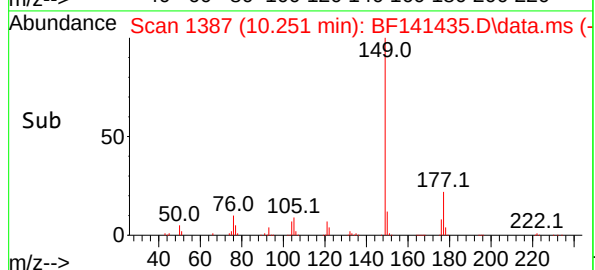
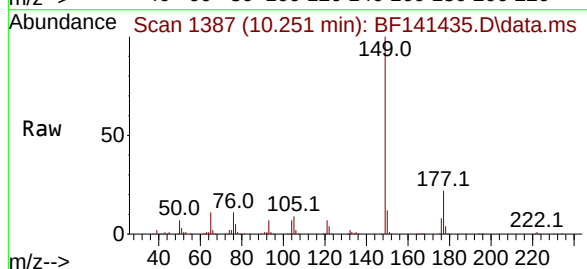
Manual Integrations
APPROVED

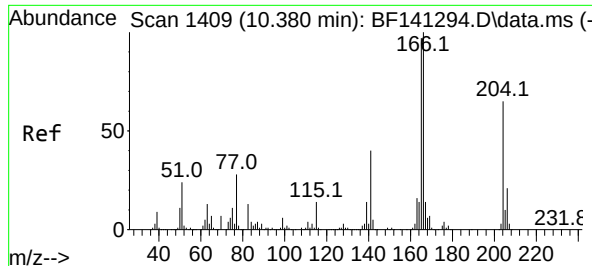
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#60
Diethylphthalate
Concen: 40.510 ng
RT: 10.251 min Scan# 1387
Delta R.T. -0.018 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:149 Resp: 431776
Ion Ratio Lower Upper
149 100
177 22.4 18.5 27.7
150 12.5 10.0 15.0





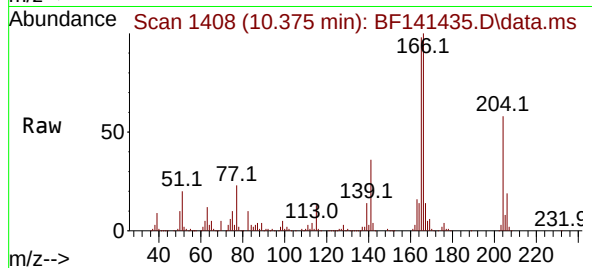
#61
4-Chlorophenyl-phenylether
Concen: 41.761 ng
RT: 10.375 min Scan# 1409
Delta R.T. -0.006 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

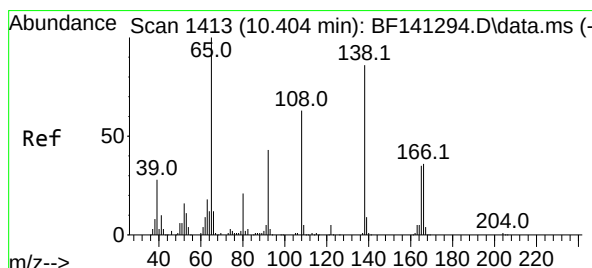
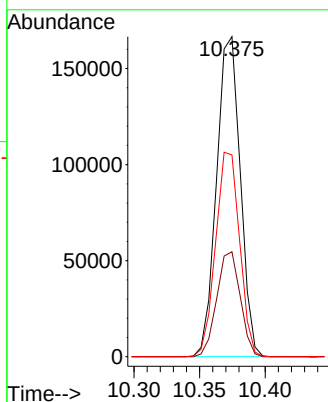
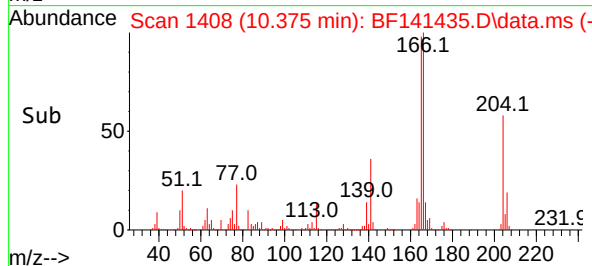


Tgt Ion:204 Resp: 20955
Ion Ratio Lower Upper
204 100
206 32.8 25.9 38.9
141 63.0 49.5 74.3

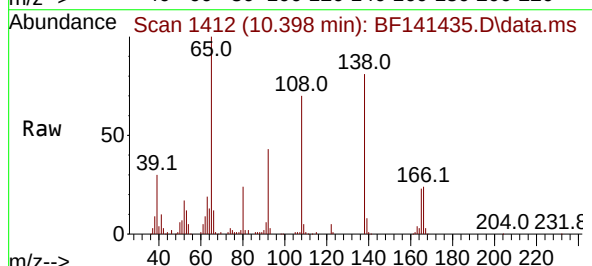
Manual Integrations

APPROVED

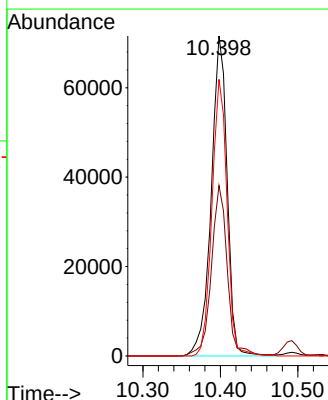
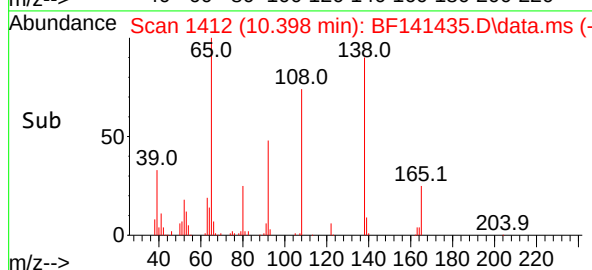
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

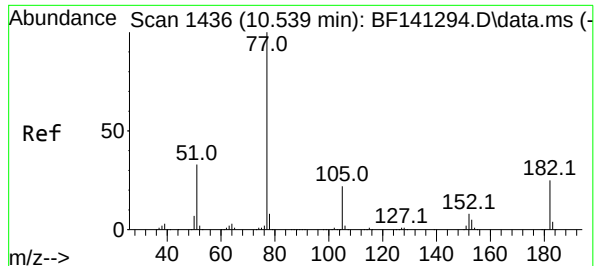


#62
4-Nitroaniline
Concen: 41.554 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.018 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02



Tgt Ion:138 Resp: 102198
Ion Ratio Lower Upper
138 100
92 53.3 30.1 70.1
108 86.4 53.1 93.1





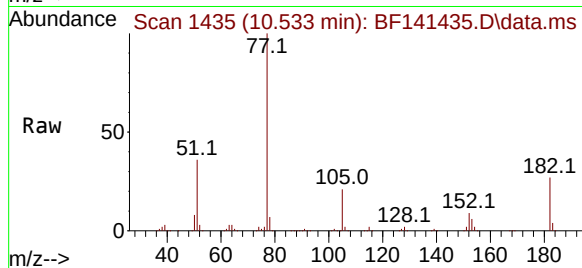
#63
Azobenzene
Concen: 38.055 ng
RT: 10.533 min Scan# 1436
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

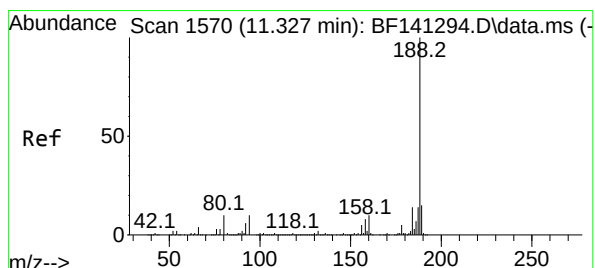
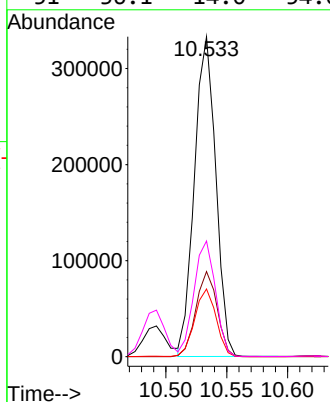
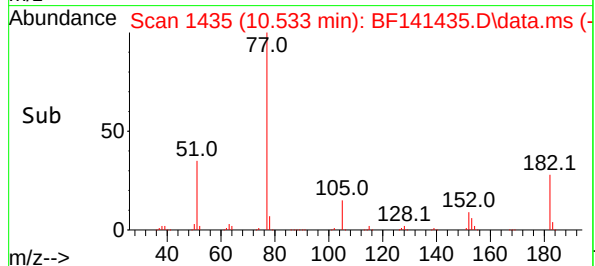


Tgt Ion: 77 Resp: 406009
Ion Ratio Lower Upper
77 100
182 26.6 5.1 45.1
105 21.2 1.8 41.8
51 36.1 14.0 54.0

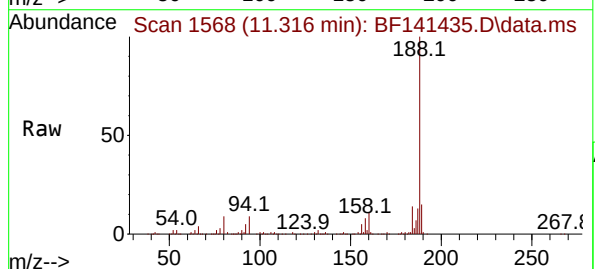
Manual Integrations

APPROVED

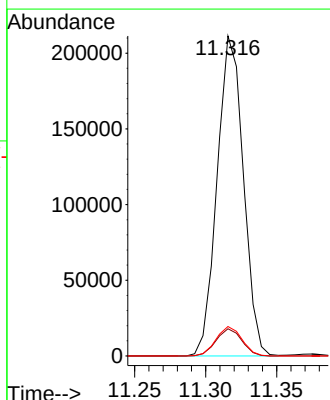
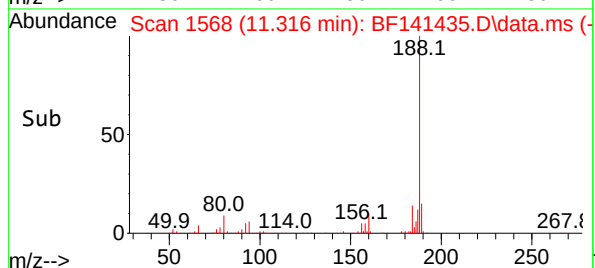
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

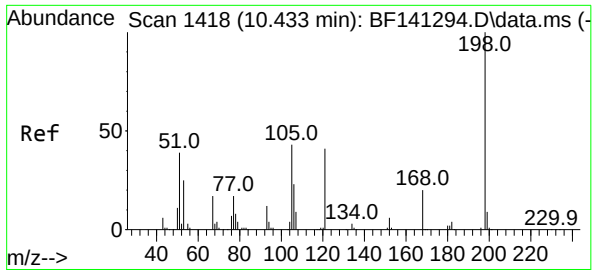


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02



Tgt Ion:188 Resp: 271503
Ion Ratio Lower Upper
188 100
94 8.5 7.8 11.6
80 9.2 8.2 12.4





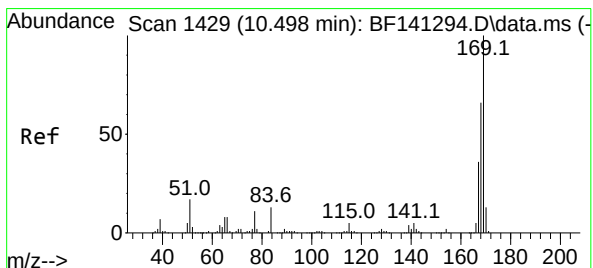
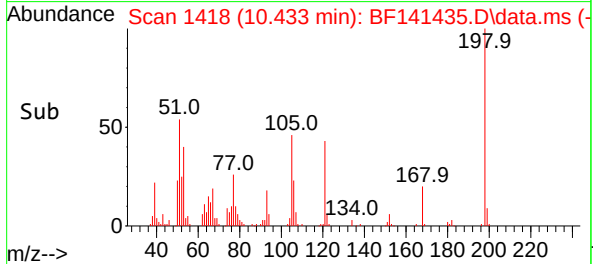
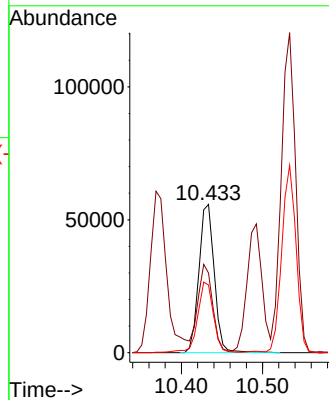
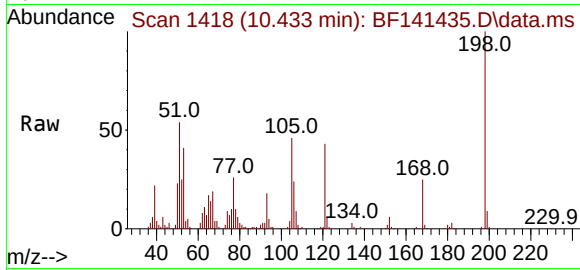
#65
4,6-Dinitro-2-methylphenol
Concen: 45.776 ng
RT: 10.433 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 73514
Ion Ratio Lower Upper
198 100
51 53.8 33.4 73.4
105 45.7 24.4 64.4

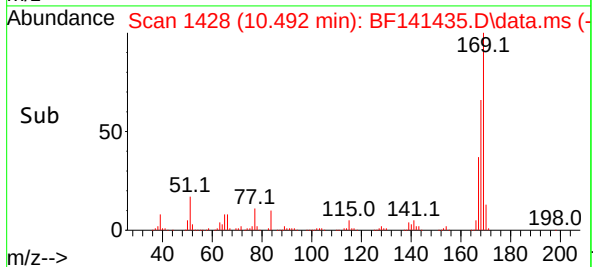
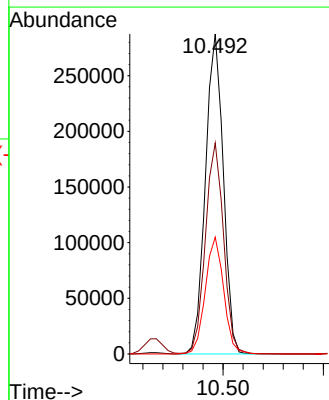
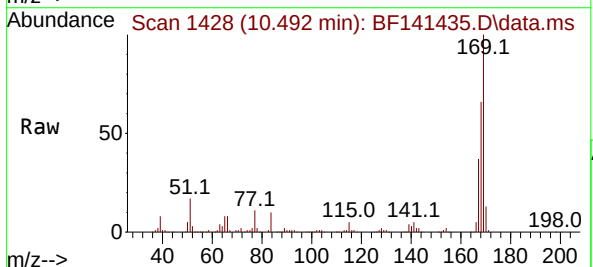
Manual Integrations
APPROVED

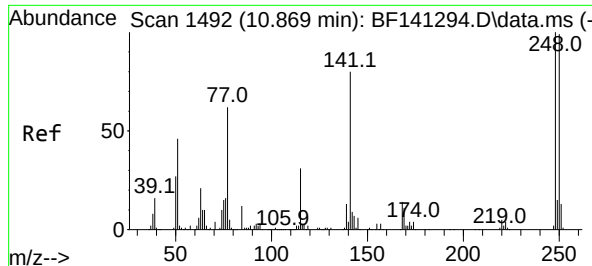
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#66
n-Nitrosodiphenylamine
Concen: 40.601 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:169 Resp: 356533
Ion Ratio Lower Upper
169 100
168 65.9 53.0 79.4
167 36.5 28.8 43.2





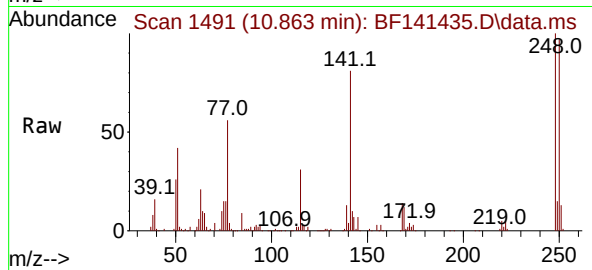
#67
4-Bromophenyl-phenylether
Concen: 41.249 ng
RT: 10.863 min Scan# 1491
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

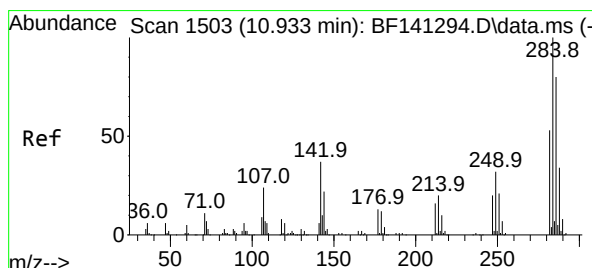
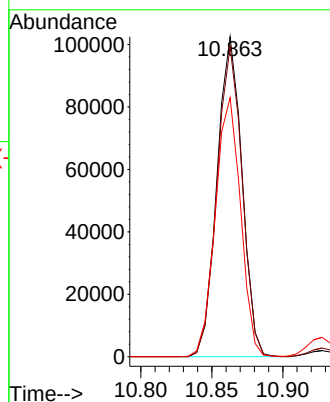
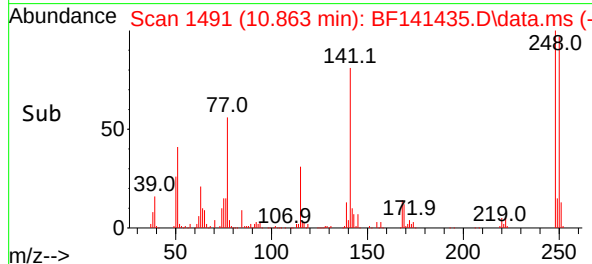


Tgt Ion:248 Resp: 125379
Ion Ratio Lower Upper
248 100
250 96.9 79.0 118.4
141 81.0 63.7 95.5

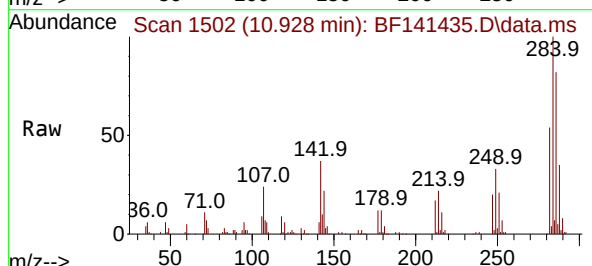
Manual Integrations

APPROVED

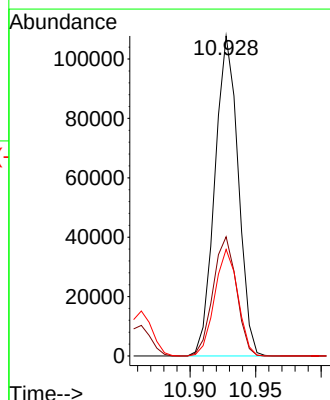
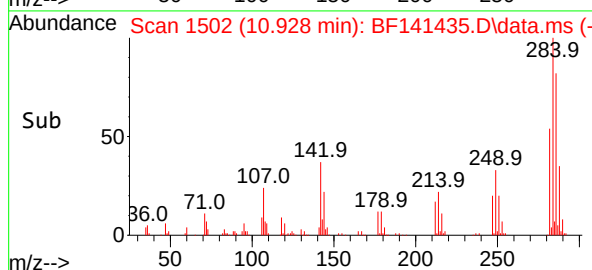
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

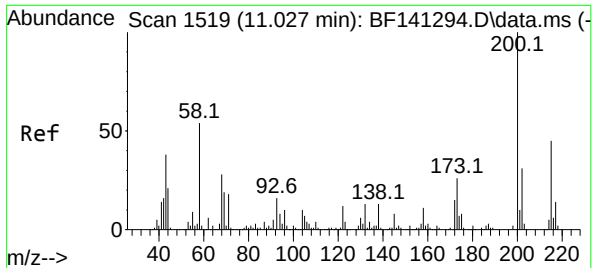


#68
Hexachlorobenzene
Concen: 41.354 ng
RT: 10.928 min Scan# 1502
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02



Tgt Ion:284 Resp: 133335
Ion Ratio Lower Upper
284 100
142 37.2 29.5 44.3
249 33.3 25.4 38.2





#69

Atrazine

Concen: 37.040 ng

RT: 11.022 min Scan# 1518

Delta R.T. -0.012 min

Lab File: BF141435.D

Acq: 05 Feb 2025 10:02

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:200 Resp: 10875

Ion Ratio Lower Upper

200 100

173 25.1 5.9 45.9

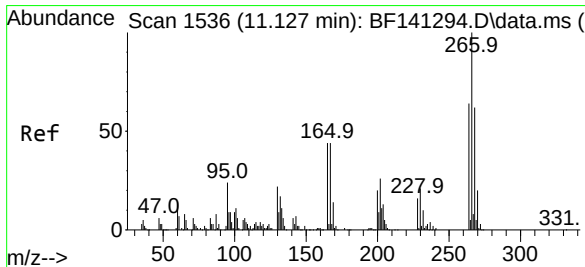
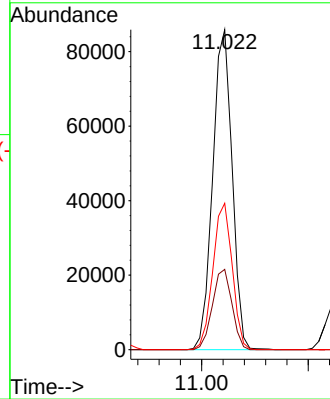
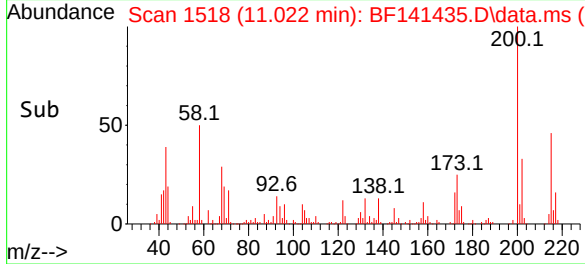
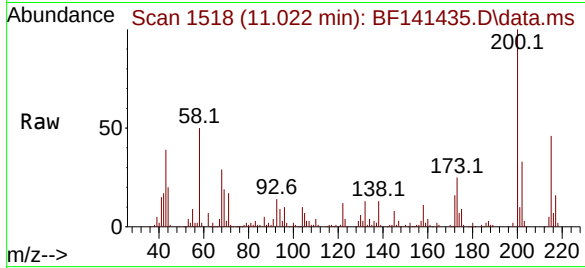
215 45.7 25.2 65.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#70

Pentachlorophenol

Concen: 43.436 ng

RT: 11.127 min Scan# 1536

Delta R.T. -0.006 min

Lab File: BF141435.D

Acq: 05 Feb 2025 10:02

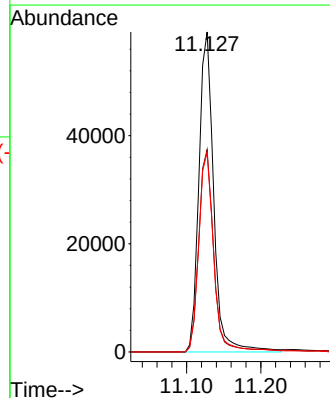
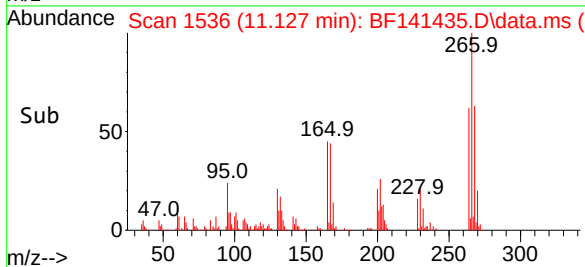
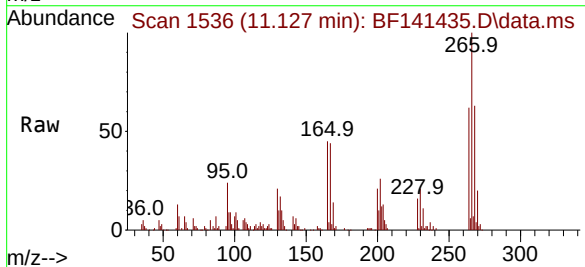
Tgt Ion:266 Resp: 82010

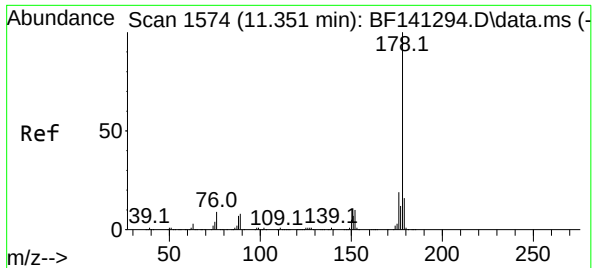
Ion Ratio Lower Upper

266 100

268 63.2 49.9 74.9

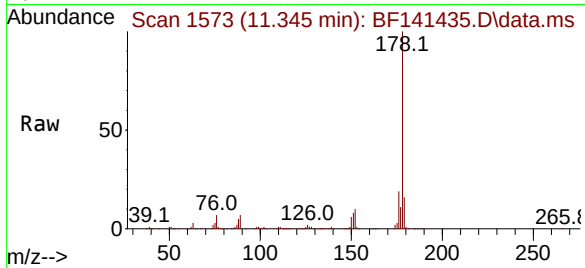
264 62.3 51.0 76.4





#71
Phenanthrene
Concen: 41.476 ng
RT: 11.345 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

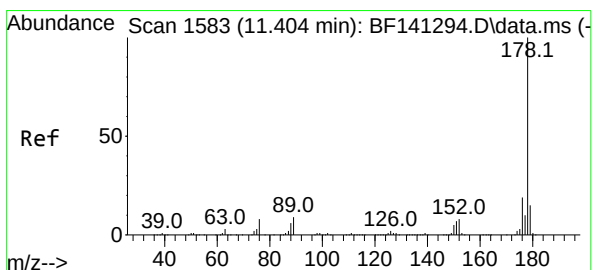
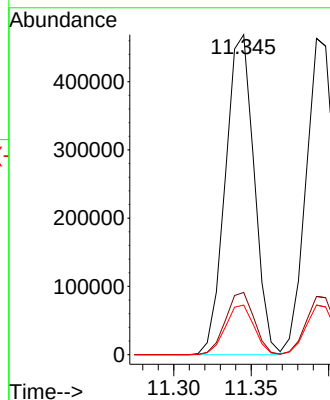
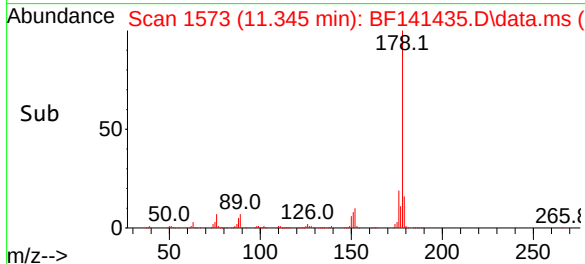
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



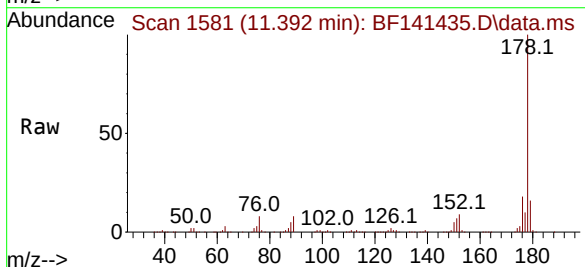
Tgt Ion:178 Resp: 60531
Ion Ratio Lower Upper
178 100
176 19.4 15.3 22.9
179 15.5 12.5 18.7

Manual Integrations
APPROVED

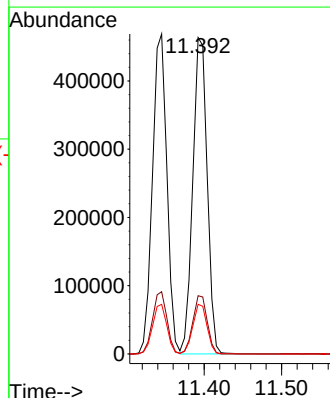
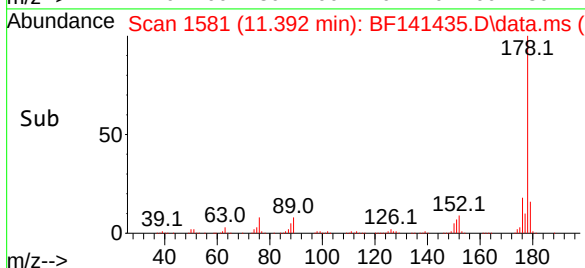
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

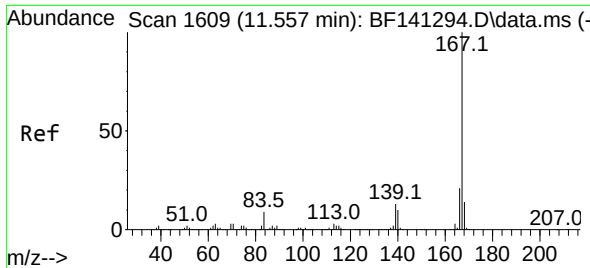


#72
Anthracene
Concen: 41.812 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02



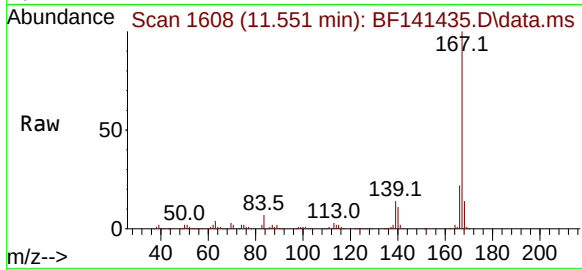
Tgt Ion:178 Resp: 597915
Ion Ratio Lower Upper
178 100
176 18.4 15.0 22.6
179 15.7 12.3 18.5





#73
 Carbazole
 Concen: 43.048 ng
 RT: 11.551 min Scan# 1608
 Delta R.T. -0.006 min
 Lab File: BF141435.D
 Acq: 05 Feb 2025 10:02

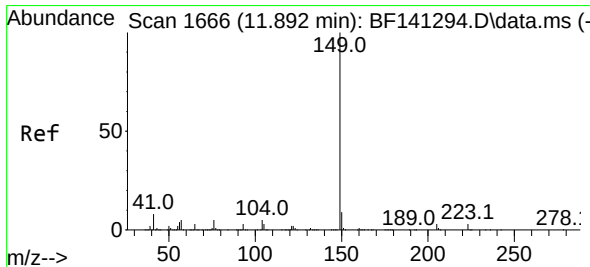
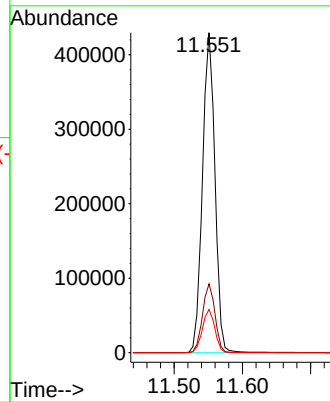
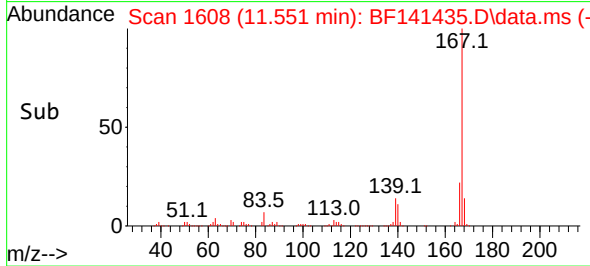
Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040



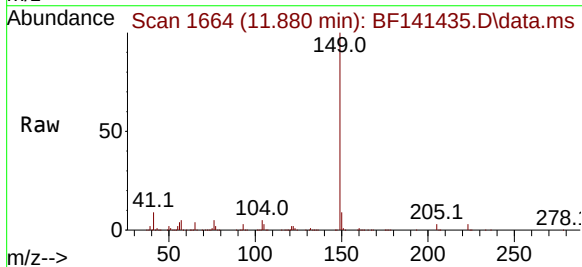
Tgt Ion:167 Resp: 54585
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.0 25.6
 139 13.5 10.6 16.0

Manual Integrations
 APPROVED

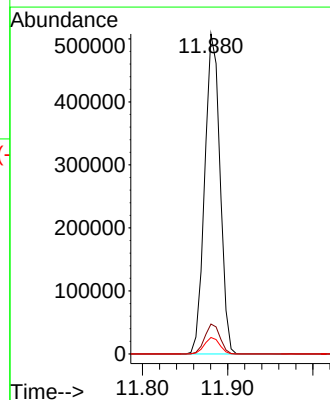
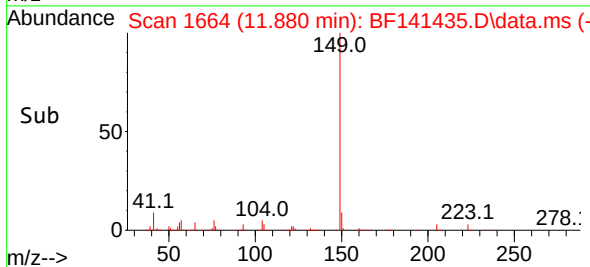
Reviewed By :Yogesh Patel 02/06/2025
 Supervised By :mohammad ahmed 02/06/2025

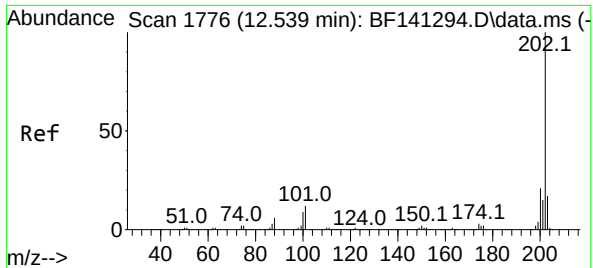


#74
 Di-n-butylphthalate
 Concen: 41.155 ng
 RT: 11.880 min Scan# 1664
 Delta R.T. -0.012 min
 Lab File: BF141435.D
 Acq: 05 Feb 2025 10:02



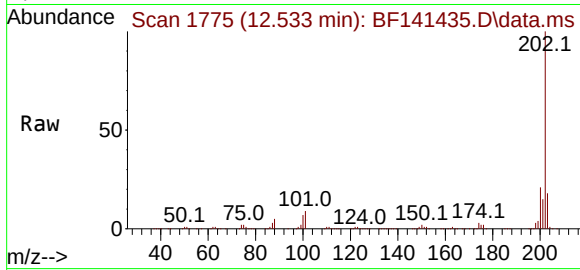
Tgt Ion:149 Resp: 632426
 Ion Ratio Lower Upper
 149 100
 150 9.3 7.4 11.2
 104 5.2 3.9 5.9





#75
Fluoranthene
Concen: 43.486 ng
RT: 12.533 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

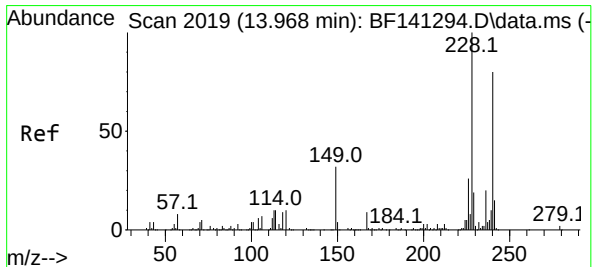
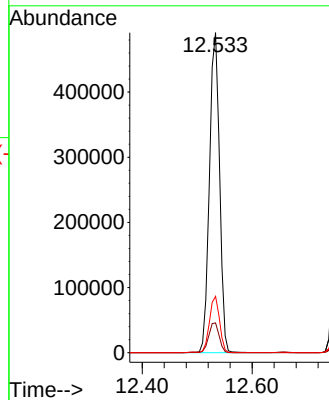
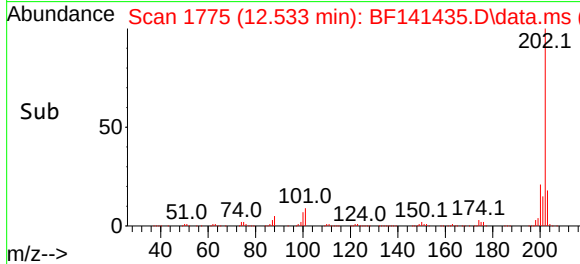
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:202 Resp: 626640
Ion Ratio Lower Upper
202 100
101 9.3 0.0 31.7
203 17.6 0.0 37.5

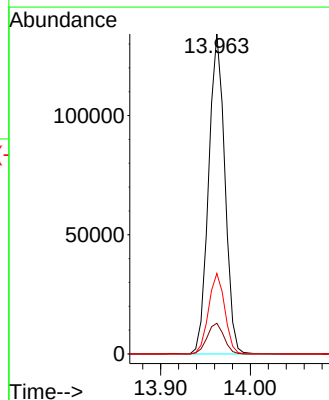
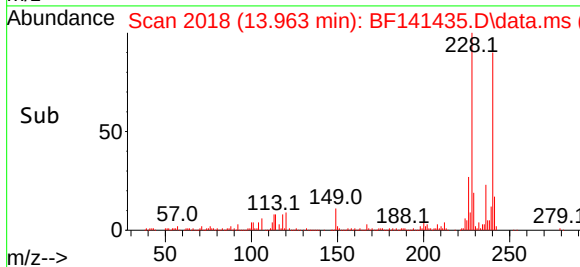
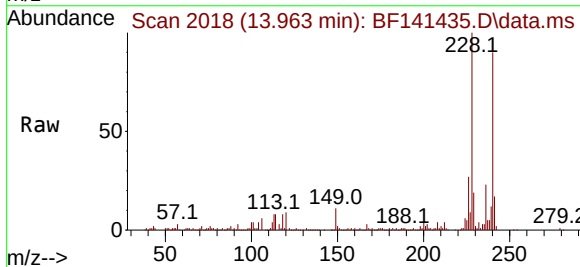
Manual Integrations
APPROVED

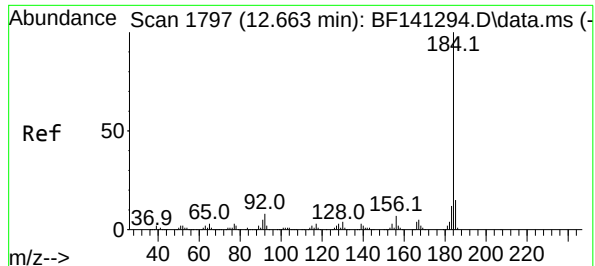
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:240 Resp: 168458
Ion Ratio Lower Upper
240 100
120 9.6 10.0 15.0#
236 25.2 19.7 29.5





#77

Benzidine

Concen: 38.432 ng

RT: 12.657 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141435.D

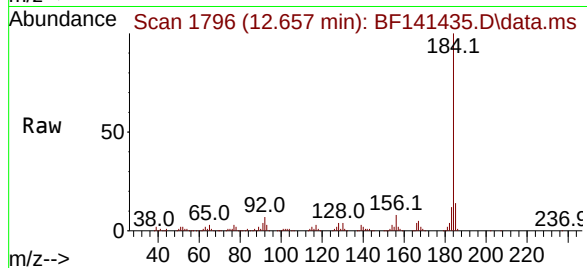
Acq: 05 Feb 2025 10:02

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:184 Resp: 207554

Ion Ratio Lower Upper

184 100

185 13.7 11.9 17.9

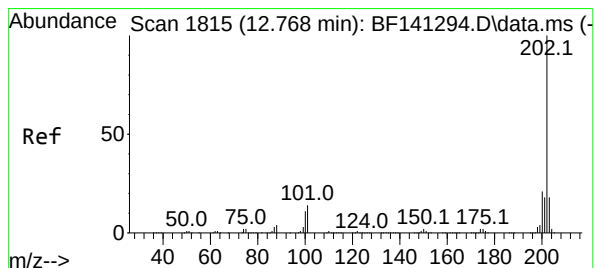
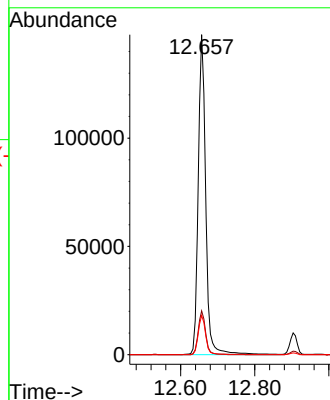
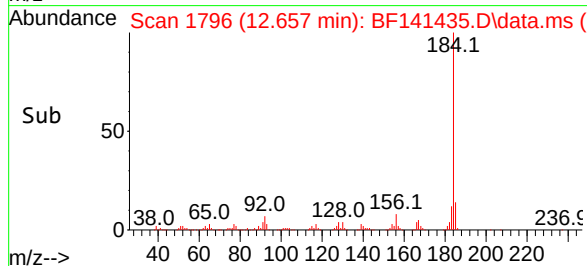
183 12.3 9.5 14.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#78

Pyrene

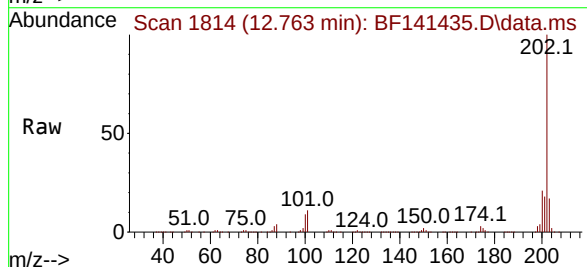
Concen: 39.047 ng

RT: 12.763 min Scan# 1814

Delta R.T. -0.006 min

Lab File: BF141435.D

Acq: 05 Feb 2025 10:02



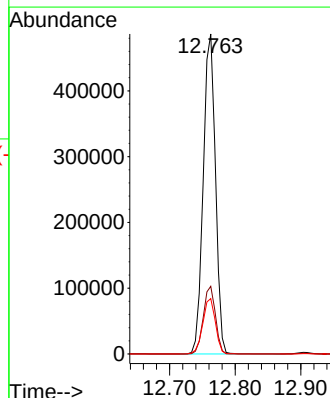
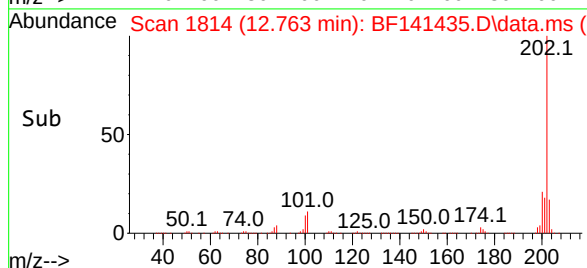
Tgt Ion:202 Resp: 631407

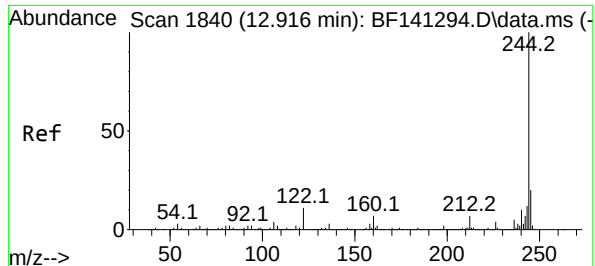
Ion Ratio Lower Upper

202 100

200 21.2 17.0 25.4

203 17.3 14.3 21.5





#79

Terphenyl-d14

Concen: 79.581 ng

RT: 12.904 min Scan# 1838

Delta R.T. -0.012 min

Lab File: BF141435.D

Acq: 05 Feb 2025 10:02

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:244 Resp: 86928

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

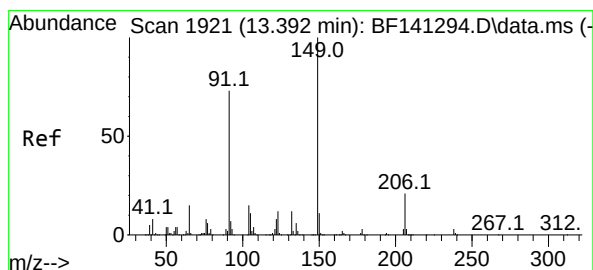
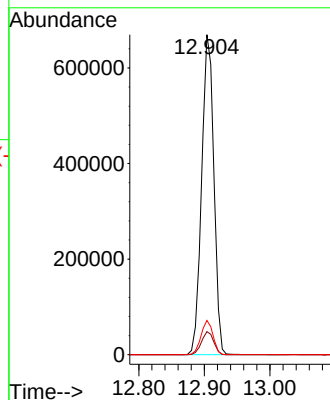
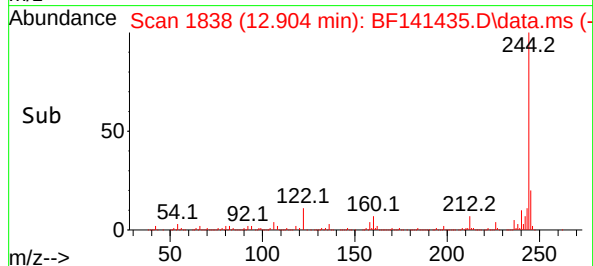
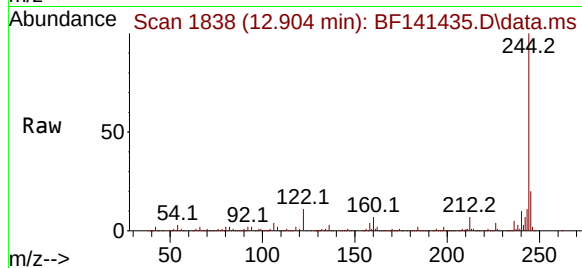
122 10.7 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#80

Butylbenzylphthalate

Concen: 39.778 ng

RT: 13.380 min Scan# 1919

Delta R.T. -0.012 min

Lab File: BF141435.D

Acq: 05 Feb 2025 10:02

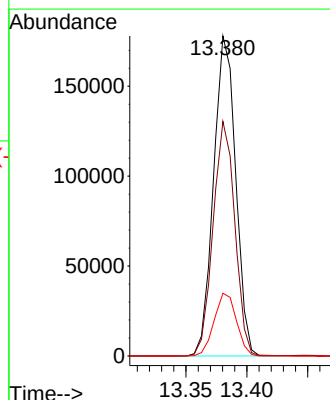
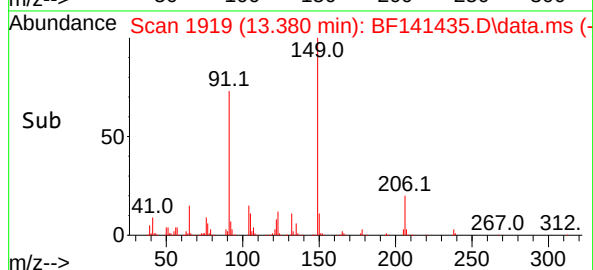
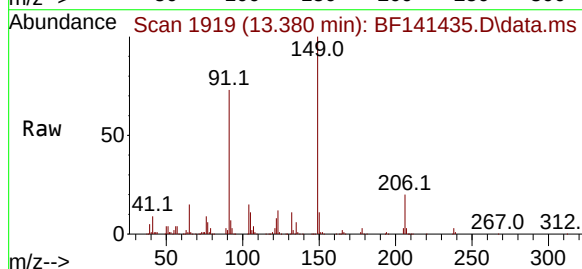
Tgt Ion:149 Resp: 224717

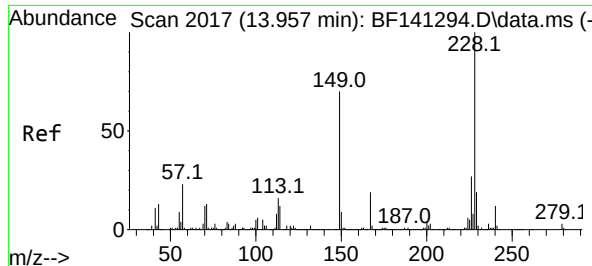
Ion Ratio Lower Upper

149 100

91 73.3 58.6 87.8

206 19.6 16.7 25.1





#81

Benzo(a)anthracene

Concen: 37.964 ng

RT: 13.951 min Scan# 2010

Delta R.T. -0.012 min

Lab File: BF141435.D

Acq: 05 Feb 2025 10:02

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:228 Resp: 441320

Ion Ratio Lower Upper

228 100

226 27.1 21.4 32.2

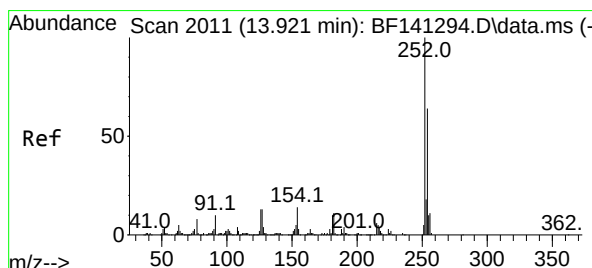
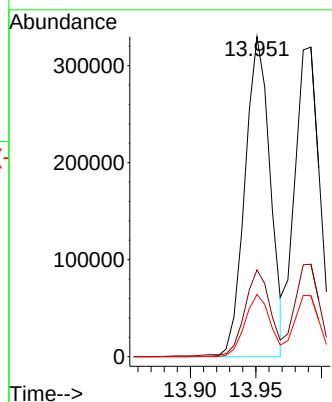
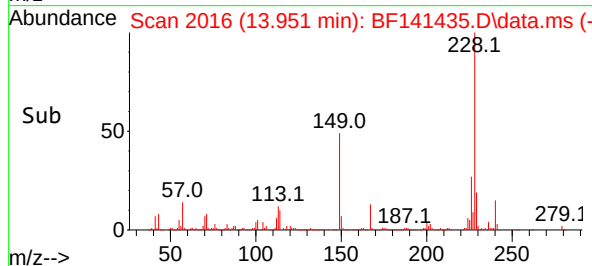
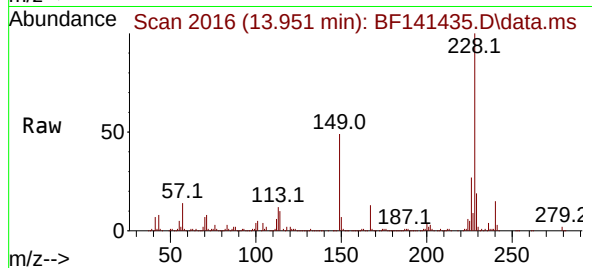
229 19.5 15.5 23.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#82

3,3'-Dichlorobenzidine

Concen: 38.153 ng

RT: 13.916 min Scan# 2010

Delta R.T. -0.012 min

Lab File: BF141435.D

Acq: 05 Feb 2025 10:02

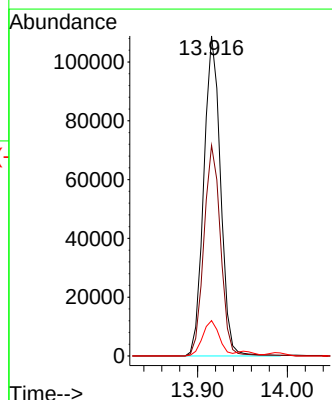
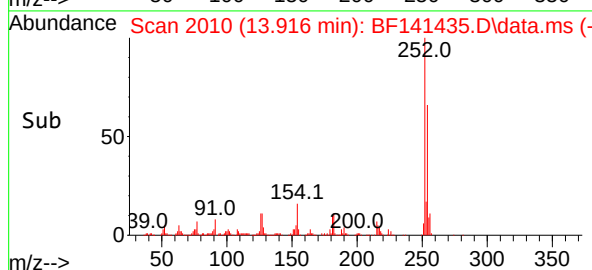
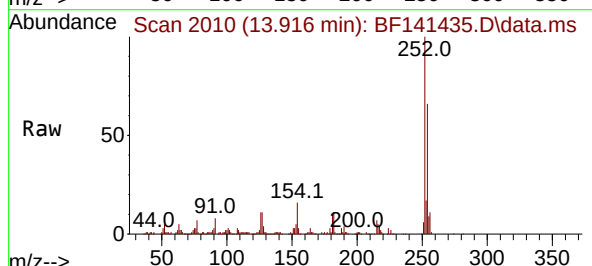
Tgt Ion:252 Resp: 141060

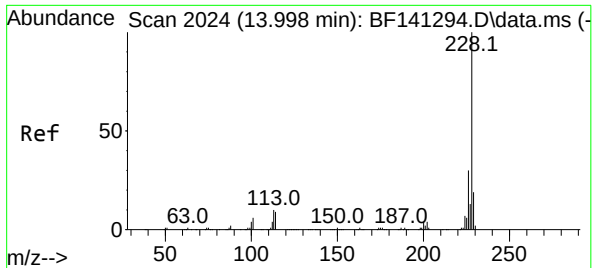
Ion Ratio Lower Upper

252 100

254 65.8 51.3 76.9

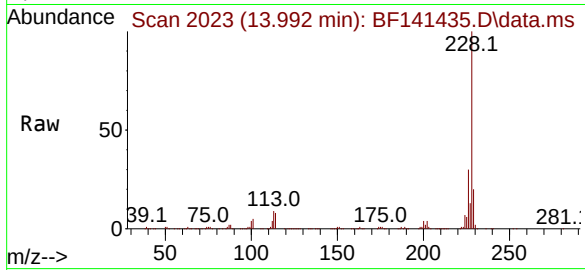
126 11.0 10.0 15.0





#83
Chrysene
Concen: 39.290 ng
RT: 13.992 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

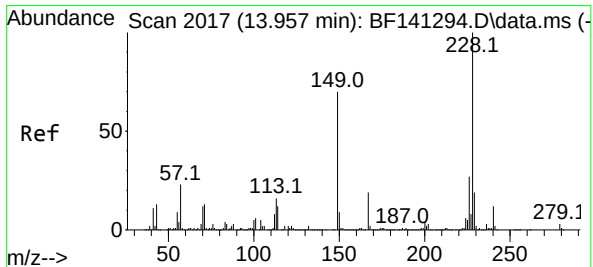
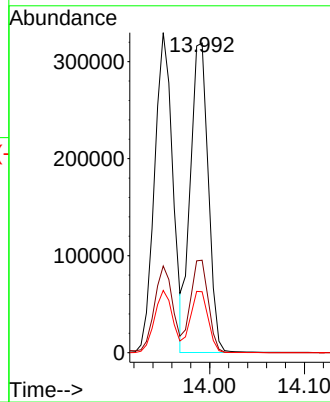
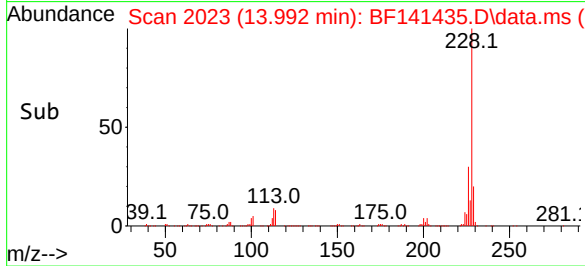
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



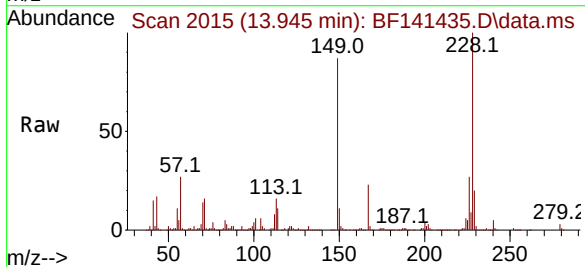
Tgt Ion:228 Resp: 41857
Ion Ratio Lower Upper
228 100
226 29.9 24.1 36.1
229 19.7 15.6 23.4

Manual Integrations
APPROVED

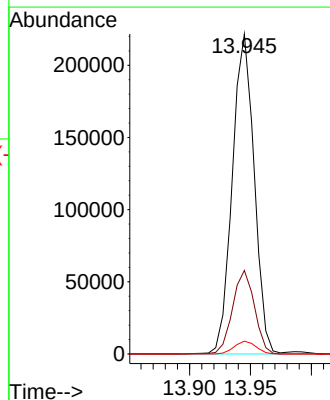
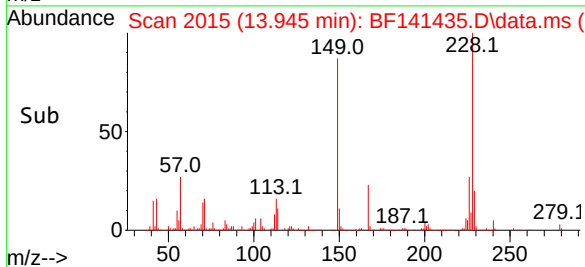
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

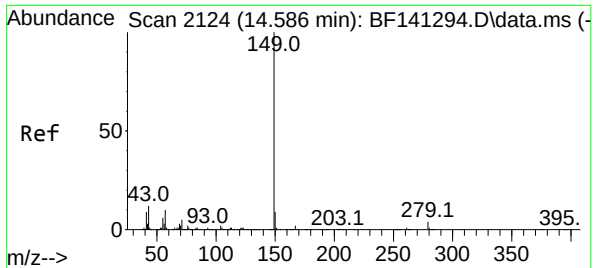


#84
Bis(2-ethylhexyl)phthalate
Concen: 38.586 ng
RT: 13.945 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02



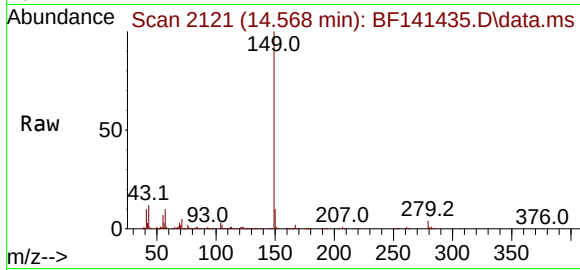
Tgt Ion:149 Resp: 276519
Ion Ratio Lower Upper
149 100
167 26.1 21.8 32.8
279 4.0 3.3 4.9





#85
Di-n-octyl phthalate
Concen: 37.624 ng
RT: 14.568 min Scan# 2124
Delta R.T. -0.018 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

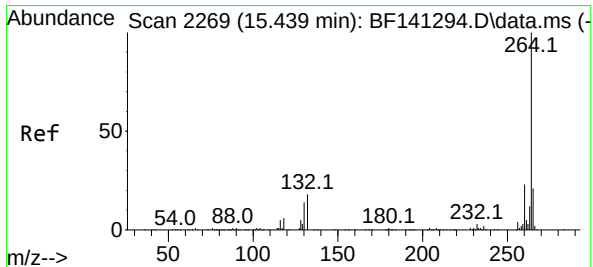
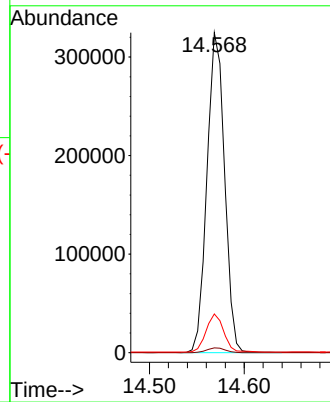
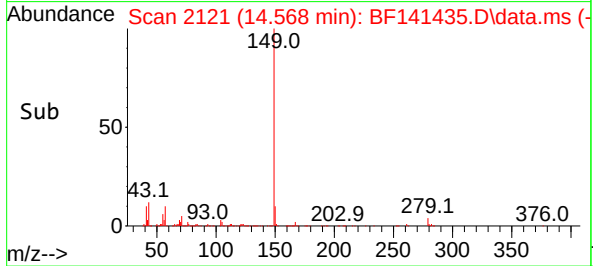
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



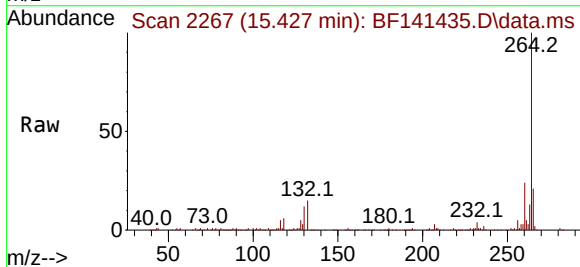
Tgt Ion:149 Resp: 418777
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 11.9 9.8 14.8

Manual Integrations
APPROVED

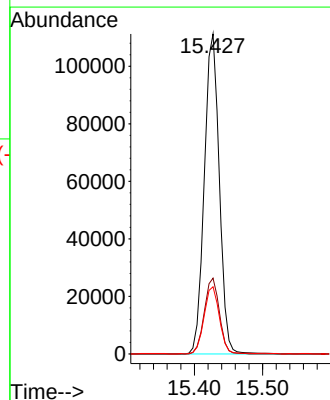
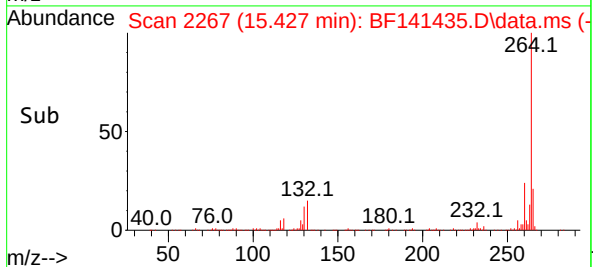
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

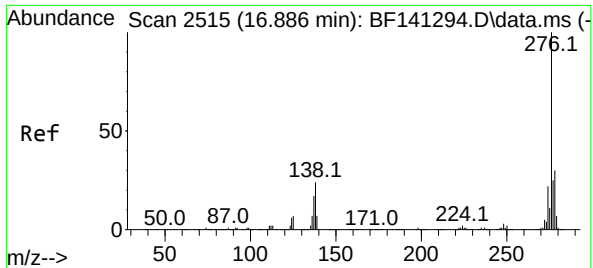


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 2267
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02



Tgt Ion:264 Resp: 170248
Ion Ratio Lower Upper
264 100
260 23.7 18.6 27.8
265 21.0 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 43.712 ng

RT: 16.874 min Scan# 2195

Delta R.T. -0.024 min

Lab File: BF141435.D

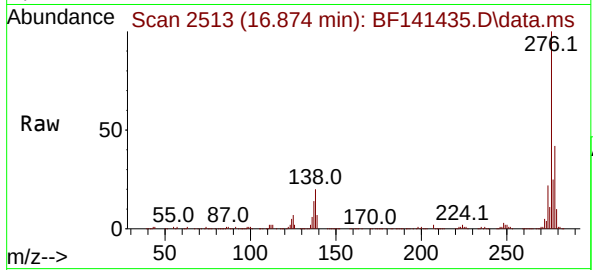
Acq: 05 Feb 2025 10:02

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:276 Resp: 480324

Ion Ratio Lower Upper

276 100

138 22.3 21.7 32.5

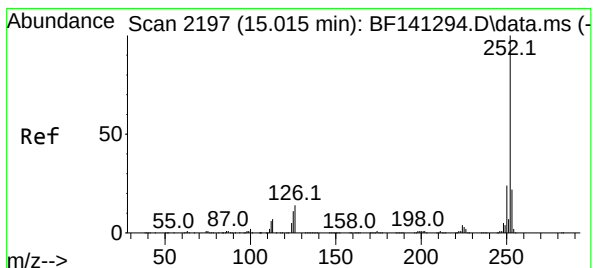
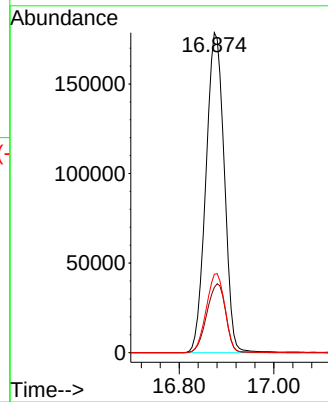
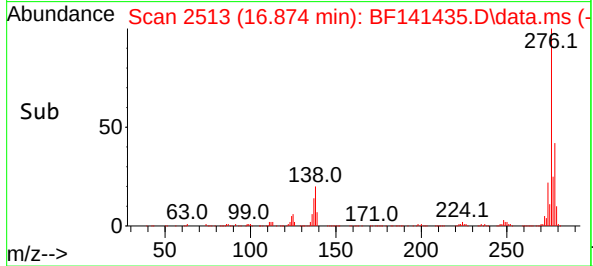
277 25.2 20.3 30.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#88

Benzo(b)fluoranthene

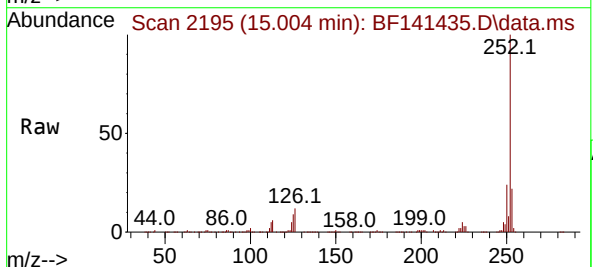
Concen: 42.180 ng

RT: 15.004 min Scan# 2195

Delta R.T. -0.018 min

Lab File: BF141435.D

Acq: 05 Feb 2025 10:02



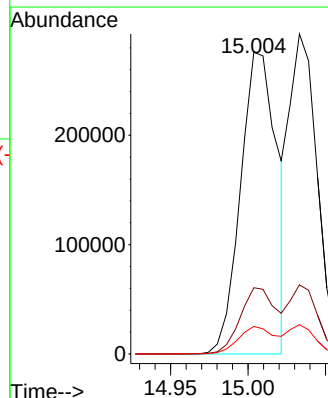
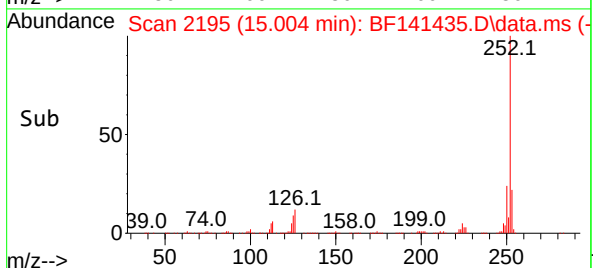
Tgt Ion:252 Resp: 451713

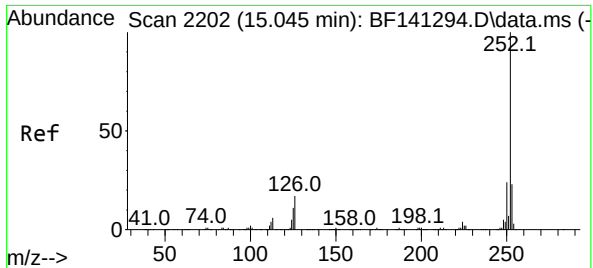
Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.2

125 9.1 8.6 12.8





#89

Benzo(k)fluoranthene

Concen: 38.829 ng

RT: 15.033 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF141435.D

Acq: 05 Feb 2025 10:02

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:252 Resp: 368364

Ion Ratio Lower Upper

252 100

253 21.6 17.6 26.4

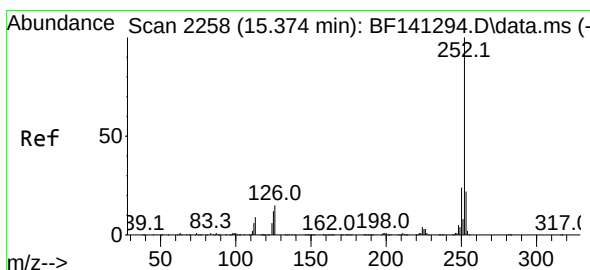
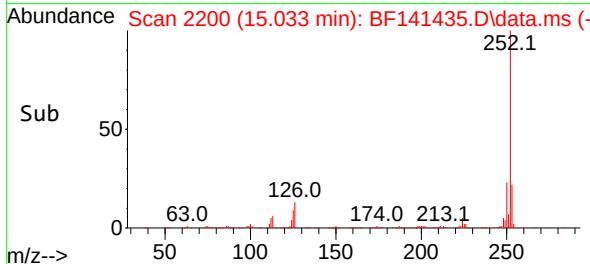
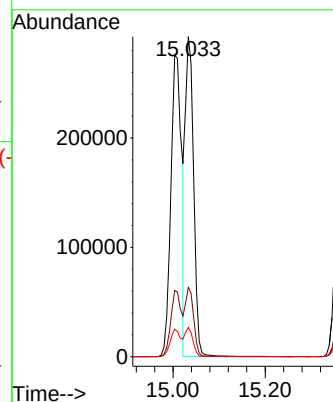
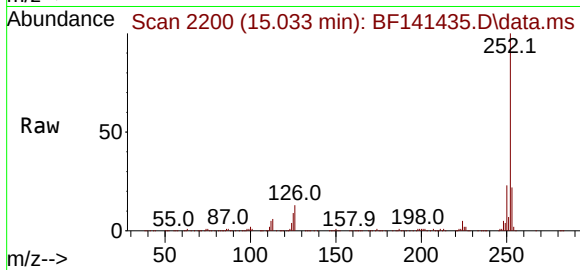
125 9.1 8.4 12.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#90

Benzo(a)pyrene

Concen: 41.472 ng

RT: 15.363 min Scan# 2256

Delta R.T. -0.018 min

Lab File: BF141435.D

Acq: 05 Feb 2025 10:02

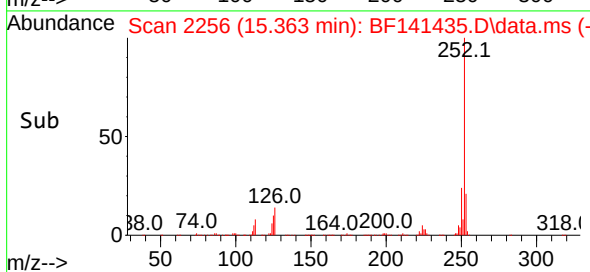
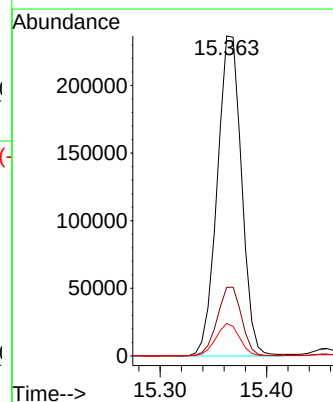
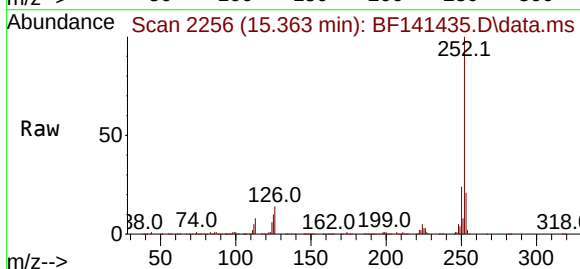
Tgt Ion:252 Resp: 375306

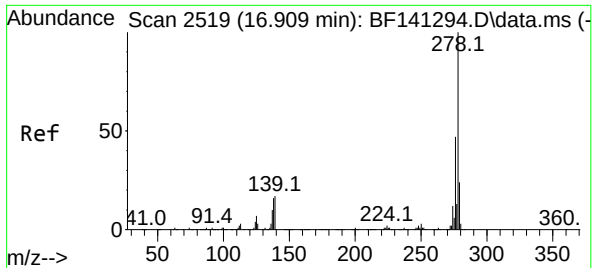
Ion Ratio Lower Upper

252 100

253 21.5 17.2 25.8

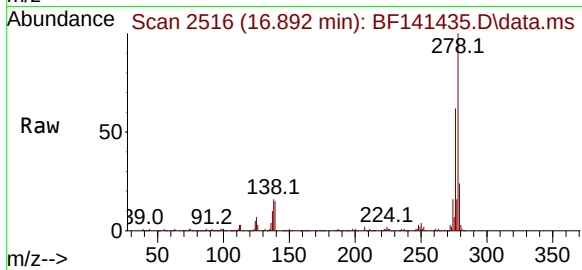
125 10.2 9.4 14.2





#91
Dibenzo(a,h)anthracene
Concen: 43.654 ng
RT: 16.892 min Scan# 2519
Delta R.T. -0.030 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

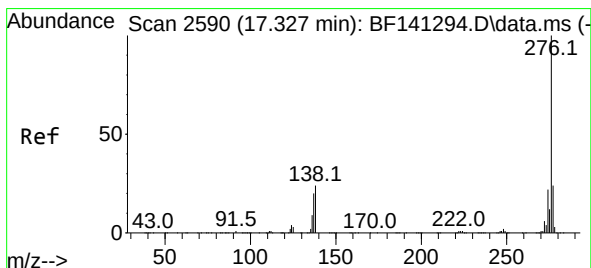
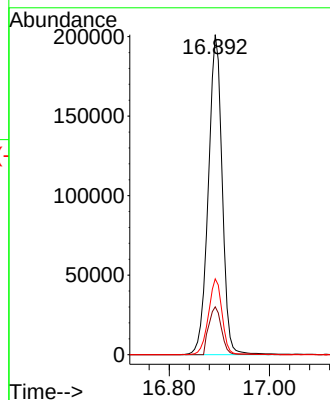
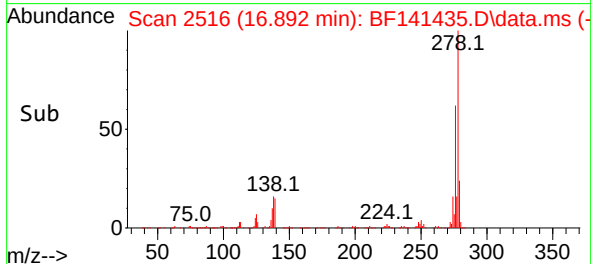
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



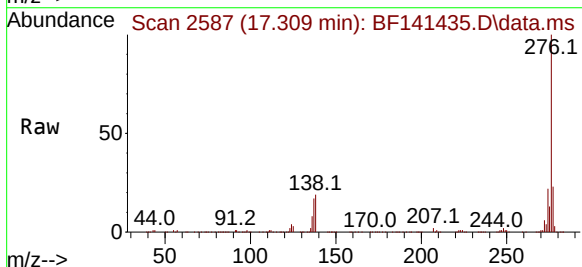
Tgt Ion:278 Resp: 38592
Ion Ratio Lower Upper
278 100
139 15.0 13.9 20.9
279 23.7 18.8 28.2

Manual Integrations
APPROVED

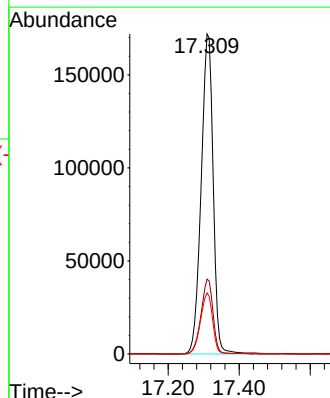
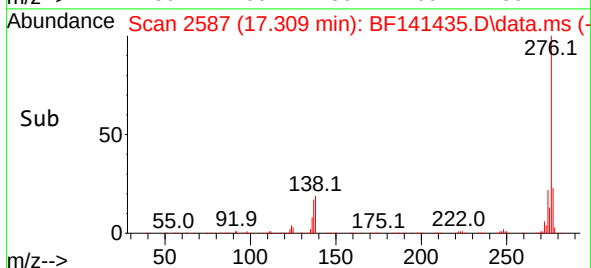
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#92
Benzo(g,h,i)perylene
Concen: 44.107 ng
RT: 17.309 min Scan# 2587
Delta R.T. -0.035 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02



Tgt Ion:276 Resp: 405442
Ion Ratio Lower Upper
276 100
277 23.4 19.2 28.8
138 19.1 19.0 28.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
 Data File : BF141435.D
 Acq On : 05 Feb 2025 10:02
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Feb 05 10:46:53 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	58	-0.01
2	1,4-Dioxane	0.573	0.500	12.7	54	-0.04
3	Pyridine	1.380	1.235	10.5	54	-0.04
4	n-Nitrosodimethylamine	0.789	0.860	-9.0	66	-0.06
5 S	2-Fluorophenol	1.303	1.295	0.6	62	0.00
6	Aniline	1.403	1.297	7.6	55	-0.02
7 S	Phenol-d6	1.657	1.600	3.4	61	0.00
8	2-Chlorophenol	1.396	1.383	0.9	61	-0.01
9	Benzaldehyde	0.960	0.988	-2.9	64	-0.01
10 C	Phenol	1.757	1.663	5.4	58	0.00
11	bis(2-Chloroethyl)ether	1.347	1.263	6.2	59	-0.02
12	1,3-Dichlorobenzene	1.540	1.552	-0.8	63	-0.01
13 C	1,4-Dichlorobenzene	1.547	1.578	-2.0	63	-0.01
14	1,2-Dichlorobenzene	1.448	1.467	-1.3	63	-0.01
15	Benzyl Alcohol	1.133	1.197	-5.6	64	-0.01
16	2,2'-oxybis(1-Chloropropane	2.342	2.038	13.0	54	-0.01
17	2-Methylphenol	1.135	1.083	4.6	60	0.00
18	Hexachloroethane	0.571	0.582	-1.9	63	-0.01
19 P	n-Nitroso-di-n-propylamine	0.985	0.951	3.5	61	-0.02
20	3+4-Methylphenols	1.393	1.395	-0.1	62	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	57	-0.01
22	Acetophenone	0.475	0.493	-3.8	64	-0.01
23 S	Nitrobenzene-d5	0.379	0.396	-4.5	63	-0.01
24	Nitrobenzene	0.393	0.403	-2.5	61	-0.02
25	Isophorone	0.656	0.632	3.7	58	-0.01
26 C	2-Nitrophenol	0.185	0.191	-3.2	61	-0.01
27	2,4-Dimethylphenol	0.236	0.229	3.0	58	0.00
28	bis(2-Chloroethoxy)methane	0.418	0.393	6.0	57	-0.01
29 C	2,4-Dichlorophenol	0.289	0.297	-2.8	62	0.00
30	1,2,4-Trichlorobenzene	0.330	0.338	-2.4	63	-0.01
31	Naphthalene	1.057	1.058	-0.1	61	-0.01
32	Benzoic acid	0.217	0.218	-0.5	56	-0.03
33	4-Chloroaniline	0.358	0.335	6.4	56	-0.01
34 C	Hexachlorobutadiene	0.194	0.212	-9.3	67	0.00
35	Caprolactam	0.094	0.092	2.1	59	-0.03
36 C	4-Chloro-3-methylphenol	0.310	0.323	-4.2	64	0.00
37	2-Methylnaphthalene	0.672	0.670	0.3	61	-0.01
38	1-Methylnaphthalene	0.660	0.657	0.5	61	-0.01
39 I	Acenaphthene-d10	1.000	1.000	0.0	58	-0.01
40	1,2,4,5-Tetrachlorobenzene	0.569	0.579	-1.8	62	-0.01
41 P	Hexachlorocyclopentadiene	0.168	0.166	1.2	55	-0.01
42 S	2,4,6-Tribromophenol	0.183	0.197	-7.7	65	-0.01
43 C	2,4,6-Trichlorophenol	0.372	0.385	-3.5	61	0.00
44	2,4,5-Trichlorophenol	0.405	0.418	-3.2	64	0.00
45 S	2-Fluorobiphenyl	1.299	1.338	-3.0	65	-0.01
46	1,1'-Biphenyl	1.560	1.536	1.5	61	-0.01
47	2-Chloronaphthalene	1.216	1.222	-0.5	63	-0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
 Data File : BF141435.D
 Acq On : 05 Feb 2025 10:02
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Feb 05 10:46:53 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	2-Nitroaniline	0.382	0.396	-3.7	63	0.00
49	Acenaphthylene	1.702	1.696	0.4	61	-0.01
50	Dimethylphthalate	1.351	1.345	0.4	62	-0.01
51	2,6-Dinitrotoluene	0.314	0.319	-1.6	62	-0.01
52 C	Acenaphthene	1.216	1.232	-1.3	63	-0.01
53	3-Nitroaniline	0.307	0.309	-0.7	59	-0.01
54 P	2,4-Dinitrophenol	0.146	0.160	-9.6	63	-0.01
55	Dibenzofuran	1.627	1.626	0.1	62	-0.01
56 P	4-Nitrophenol	0.225	0.235	-4.4	60	0.00
57	2,4-Dinitrotoluene	0.406	0.428	-5.4	64	-0.01
58	Fluorene	1.262	1.312	-4.0	65	-0.01
59	2,3,4,6-Tetrachlorophenol	0.319	0.335	-5.0	63	0.00
60	Diethylphthalate	1.310	1.326	-1.2	62	-0.02
61	4-Chlorophenyl-phenylether	0.617	0.644	-4.4	65	0.00
62	4-Nitroaniline	0.302	0.314	-4.0	62	-0.02
63	Azobenzene	1.311	1.247	4.9	59	-0.01
64 I	Phenanthrene-d10	1.000	1.000	0.0	59	-0.01
65	4,6-Dinitro-2-methylphenol	0.118	0.135	-14.4	64	0.00
66 c	n-Nitrosodiphenylamine	0.647	0.657	-1.5	62	-0.01
67	4-Bromophenyl-phenylether	0.224	0.231	-3.1	63	-0.01
68	Hexachlorobenzene	0.238	0.246	-3.4	64	-0.01
69	Atrazine	0.216	0.200	7.4	56	-0.01
70 C	Pentachlorophenol	0.139	0.151	-8.6	62	0.00
71	Phenanthrene	1.075	1.115	-3.7	64	0.00
72	Anthracene	1.053	1.101	-4.6	65	-0.01
73	Carbazole	0.934	1.005	-7.6	66	0.00
74	Di-n-butylphthalate	1.132	1.165	-2.9	64	-0.01
75 C	Fluoranthene	1.062	1.154	-8.7	67	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	65	-0.01
77	Benzidine	0.641	0.616	3.9	55	0.00
78	Pyrene	1.920	1.874	2.4	69	0.00
79 S	Terphenyl-d14	1.297	1.290	0.5	71	-0.01
80	Butylbenzylphthalate	0.671	0.667	0.6	69	-0.01
81	Benzo(a)anthracene	1.380	1.310	5.1	67	-0.01
82	3,3'-Dichlorobenzidine	0.439	0.419	4.6	65	-0.01
83	Chrysene	1.265	1.242	1.8	71	0.00
84	Bis(2-ethylhexyl)phthalate	0.851	0.821	3.5	68	-0.01
85 c	Di-n-octyl phthalate	1.321	1.243	5.9	65	-0.02
86 I	Perylene-d12	1.000	1.000	0.0	61	-0.01
87	Indeno(1,2,3-cd)pyrene	1.291	1.411	-9.3	68	-0.02
88	Benzo(b)fluoranthene	1.258	1.327	-5.5	72	-0.02
89	Benzo(k)fluoranthene	1.114	1.082	2.9	61	-0.02
90 C	Benzo(a)pyrene	1.063	1.102	-3.7	66	-0.02
91	Dibenzo(a,h)anthracene	1.039	1.133	-9.0	68	-0.03
92	Benzo(g,h,i)perylene	1.080	1.191	-10.3	70	-0.04

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141435.D
Acq On : 05 Feb 2025 10:02
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 05 10:46:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
 Data File : BF141435.D
 Acq On : 05 Feb 2025 10:02
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Feb 05 10:46:53 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	58	-0.01
2	1,4-Dioxane	40.000	34.885	12.8	54	-0.04
3	Pyridine	40.000	35.776	10.6	54	-0.04
4	n-Nitrosodimethylamine	40.000	43.622	-9.1	66	-0.06
5 S	2-Fluorophenol	80.000	79.549	0.6	62	0.00
6	Aniline	40.000	36.974	7.6	55	-0.02
7 S	Phenol-d6	80.000	77.255	3.4	61	0.00
8	2-Chlorophenol	40.000	39.605	1.0	61	-0.01
9	Benzaldehyde	40.000	41.171	-2.9	64	-0.01
10 C	Phenol	40.000	37.854	5.4	58	0.00
11	bis(2-Chloroethyl)ether	40.000	37.520	6.2	59	-0.02
12	1,3-Dichlorobenzene	40.000	40.328	-0.8	63	-0.01
13 C	1,4-Dichlorobenzene	40.000	40.809	-2.0	63	-0.01
14	1,2-Dichlorobenzene	40.000	40.526	-1.3	63	-0.01
15	Benzyl Alcohol	40.000	42.275	-5.7	64	-0.01
16	2,2'-oxybis(1-Chloropropane	40.000	34.802	13.0	54	-0.01
17	2-Methylphenol	40.000	38.159	4.6	60	0.00
18	Hexachloroethane	40.000	40.798	-2.0	63	-0.01
19 P	n-Nitroso-di-n-propylamine	40.000	38.623	3.4	61	-0.02
20	3+4-Methylphenols	40.000	40.033	-0.1	62	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	57	-0.01
22	Acetophenone	40.000	41.439	-3.6	64	-0.01
23 S	Nitrobenzene-d5	80.000	83.608	-4.5	63	-0.01
24	Nitrobenzene	40.000	41.037	-2.6	61	-0.02
25	Isophorone	40.000	38.520	3.7	58	-0.01
26 C	2-Nitrophenol	40.000	41.137	-2.8	61	-0.01
27	2,4-Dimethylphenol	40.000	38.795	3.0	58	0.00
28	bis(2-Chloroethoxy)methane	40.000	37.533	6.2	57	-0.01
29 C	2,4-Dichlorophenol	40.000	41.092	-2.7	62	0.00
30	1,2,4-Trichlorobenzene	40.000	41.020	-2.6	63	-0.01
31	Naphthalene	40.000	40.064	-0.2	61	-0.01
32	Benzoic acid	40.000	40.161	-0.4	56	-0.03
33	4-Chloroaniline	40.000	37.413	6.5	56	-0.01
34 C	Hexachlorobutadiene	40.000	43.834	-9.6	67	0.00
35	Caprolactam	40.000	39.058	2.4	59	-0.03
36 C	4-Chloro-3-methylphenol	40.000	41.751	-4.4	64	0.00
37	2-Methylnaphthalene	40.000	39.913	0.2	61	-0.01
38	1-Methylnaphthalene	40.000	39.835	0.4	61	-0.01
39 I	Acenaphthene-d10	20.000	20.000	0.0	58	-0.01
40	1,2,4,5-Tetrachlorobenzene	40.000	40.737	-1.8	62	-0.01
41 P	Hexachlorocyclopentadiene	40.000	39.437	1.4	55	-0.01
42 S	2,4,6-Tribromophenol	80.000	85.780	-7.2	65	-0.01
43 C	2,4,6-Trichlorophenol	40.000	41.315	-3.3	61	0.00
44	2,4,5-Trichlorophenol	40.000	41.284	-3.2	64	0.00
45 S	2-Fluorobiphenyl	80.000	82.364	-3.0	65	-0.01
46	1,1'-Biphenyl	40.000	39.392	1.5	61	-0.01
47	2-Chloronaphthalene	40.000	40.191	-0.5	63	-0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
 Data File : BF141435.D
 Acq On : 05 Feb 2025 10:02
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Feb 05 10:46:53 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	41.385	-3.5	63	0.00
49	Acenaphthylene	40.000	39.872	0.3	61	-0.01
50	Dimethylphthalate	40.000	39.828	0.4	62	-0.01
51	2,6-Dinitrotoluene	40.000	40.695	-1.7	62	-0.01
52 C	Acenaphthene	40.000	40.520	-1.3	63	-0.01
53	3-Nitroaniline	40.000	40.165	-0.4	59	-0.01
54 P	2,4-Dinitrophenol	40.000	43.990	-10.0	63	-0.01
55	Dibenzofuran	40.000	39.973	0.1	62	-0.01
56 P	4-Nitrophenol	40.000	41.844	-4.6	60	0.00
57	2,4-Dinitrotoluene	40.000	42.144	-5.4	64	-0.01
58	Fluorene	40.000	41.573	-3.9	65	-0.01
59	2,3,4,6-Tetrachlorophenol	40.000	42.052	-5.1	63	0.00
60	Diethylphthalate	40.000	40.510	-1.3	62	-0.02
61	4-Chlorophenyl-phenylether	40.000	41.761	-4.4	65	0.00
62	4-Nitroaniline	40.000	41.554	-3.9	62	-0.02
63	Azobenzene	40.000	38.055	4.9	59	-0.01
64 I	Phenanthrene-d10	20.000	20.000	0.0	59	-0.01
65	4,6-Dinitro-2-methylphenol	40.000	45.776	-14.4	64	0.00
66 c	n-Nitrosodiphenylamine	40.000	40.601	-1.5	62	-0.01
67	4-Bromophenyl-phenylether	40.000	41.249	-3.1	63	-0.01
68	Hexachlorobenzene	40.000	41.354	-3.4	64	-0.01
69	Atrazine	40.000	37.040	7.4	56	-0.01
70 C	Pentachlorophenol	40.000	43.436	-8.6	62	0.00
71	Phenanthrene	40.000	41.476	-3.7	64	0.00
72	Anthracene	40.000	41.812	-4.5	65	-0.01
73	Carbazole	40.000	43.048	-7.6	66	0.00
74	Di-n-butylphthalate	40.000	41.155	-2.9	64	-0.01
75 C	Fluoranthene	40.000	43.486	-8.7	67	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	65	-0.01
77	Benzidine	40.000	38.432	3.9	55	0.00
78	Pyrene	40.000	39.047	2.4	69	0.00
79 S	Terphenyl-d14	80.000	79.581	0.5	71	-0.01
80	Butylbenzylphthalate	40.000	39.778	0.6	69	-0.01
81	Benzo(a)anthracene	40.000	37.964	5.1	67	-0.01
82	3,3'-Dichlorobenzidine	40.000	38.153	4.6	65	-0.01
83	Chrysene	40.000	39.290	1.8	71	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	38.586	3.5	68	-0.01
85 c	Di-n-octyl phthalate	40.000	37.624	5.9	65	-0.02
86 I	Perylene-d12	20.000	20.000	0.0	61	-0.01
87	Indeno(1,2,3-cd)pyrene	40.000	43.712	-9.3	68	-0.02
88	Benzo(b)fluoranthene	40.000	42.180	-5.4	72	-0.02
89	Benzo(k)fluoranthene	40.000	38.829	2.9	61	-0.02
90 C	Benzo(a)pyrene	40.000	41.472	-3.7	66	-0.02
91	Dibenzo(a,h)anthracene	40.000	43.654	-9.1	68	-0.03
92	Benzo(g,h,i)perylene	40.000	44.107	-10.3	70	-0.04

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141435.D
Acq On : 05 Feb 2025 10:02
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 05 10:46:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range

SPCC's out = 0 CCC's out = 0



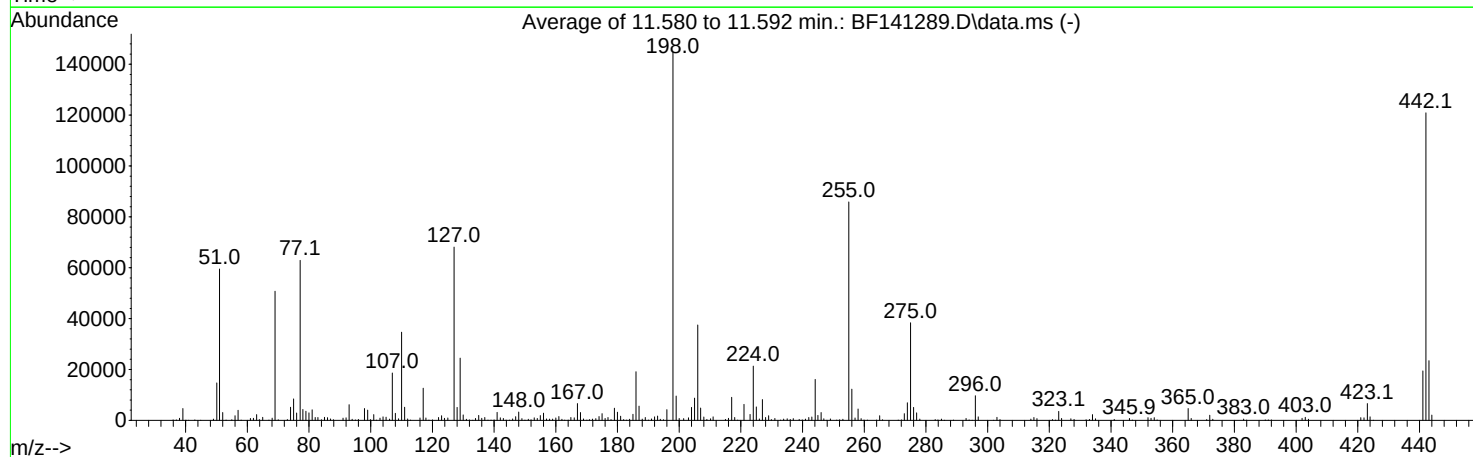
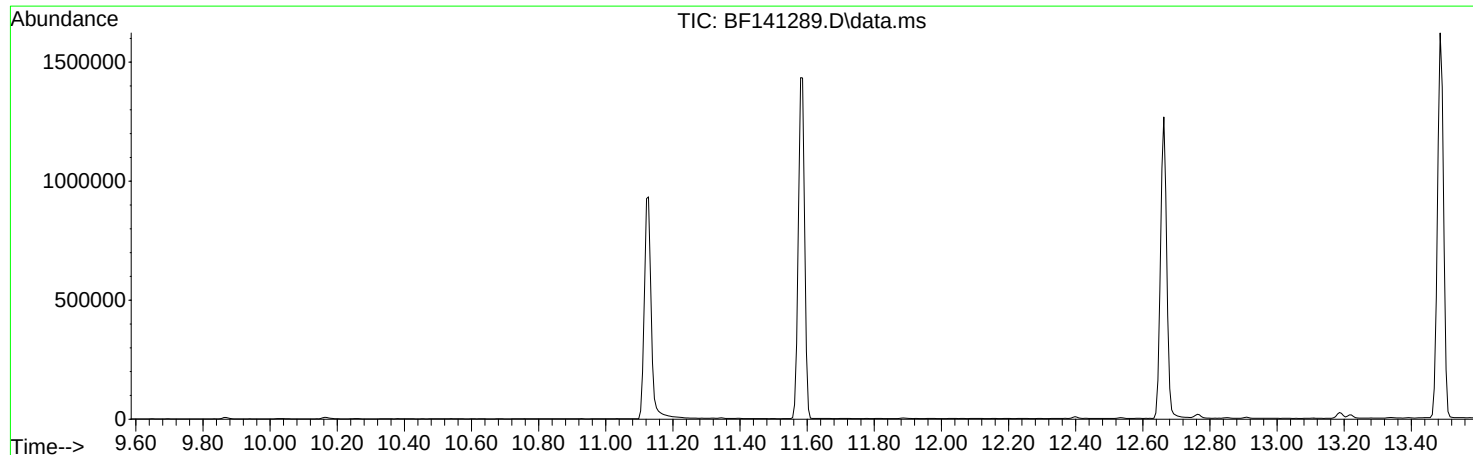
QC SAMPLE DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141289.D
Acq On : 29 Jan 2025 10:03
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-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 29 17:41:25 2025



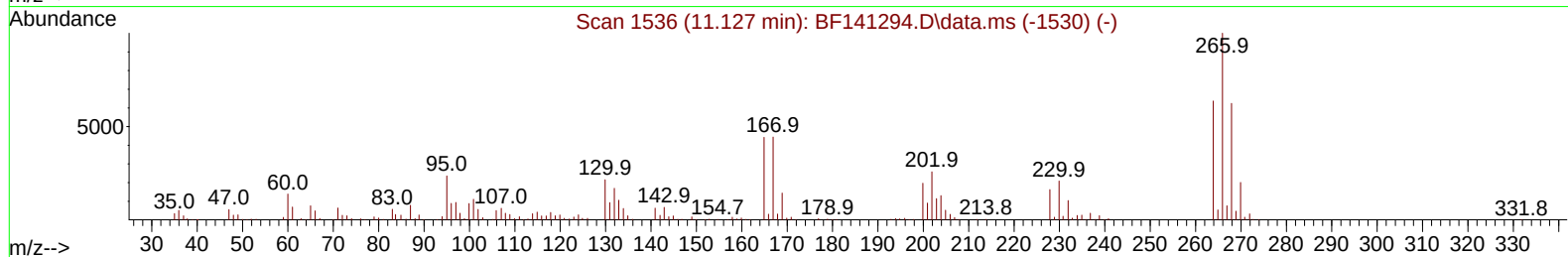
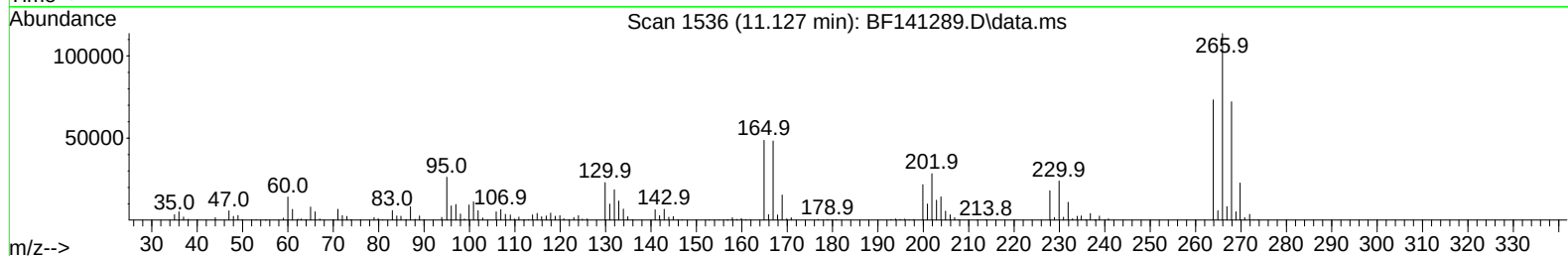
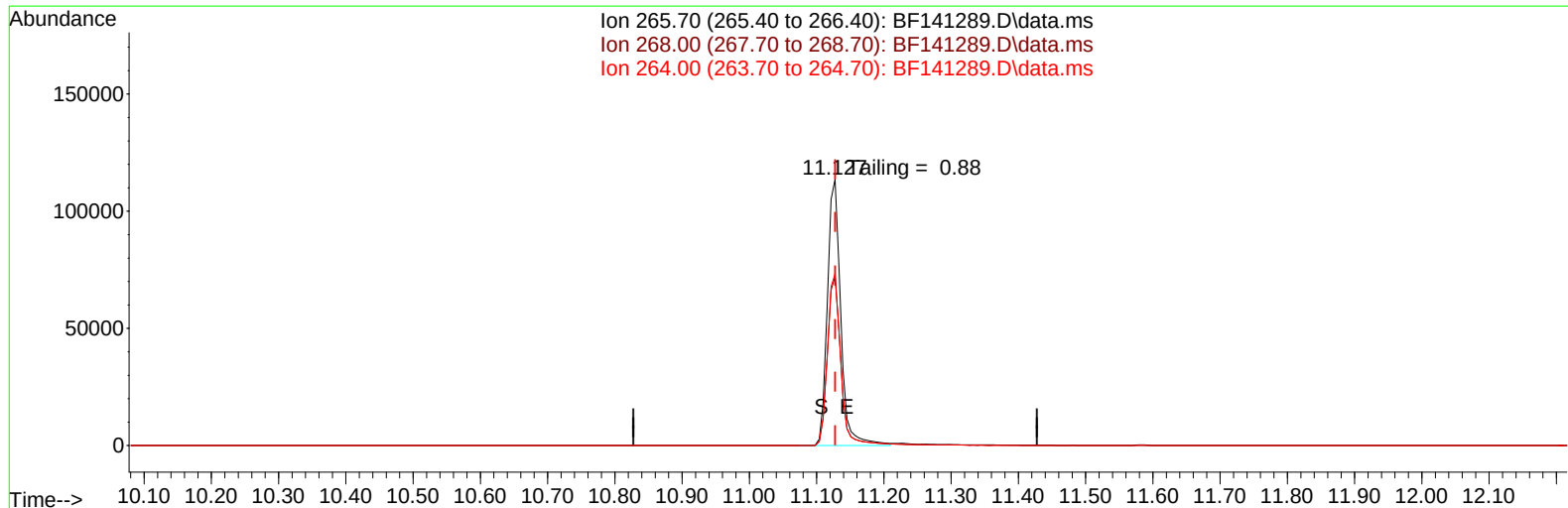
AutoFind: Scans 1613, 1614, 1615; Background Corrected with Scan 1606

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	41.1	59504	PASS
68	69	0.00	2	1.7	874	PASS
69	198	0.00	100	35.1	50789	PASS
70	69	0.00	2	0.6	281	PASS
127	198	10	80	47.1	68133	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	144613	PASS
199	198	5	9	6.6	9584	PASS
275	198	10	60	26.5	38371	PASS
365	198	1	100	3.2	4642	PASS
441	198	0.01	100	13.5	19467	PASS
442	442	50	100	100.0	120923	PASS
443	442	15	24	19.4	23456	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141289.D
Acq On : 29 Jan 2025 10:03
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jan 29 13:18:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 13:12:40 2025
Response via : Initial Calibration



TIC: BF141289.D\data.ms

(70) Pentachlorophenol (C)

11.127min (-0.000) 18353.04 ng

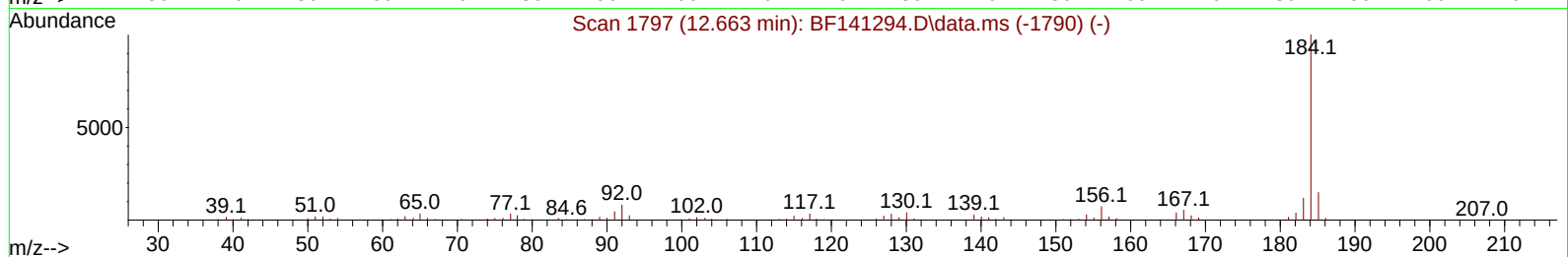
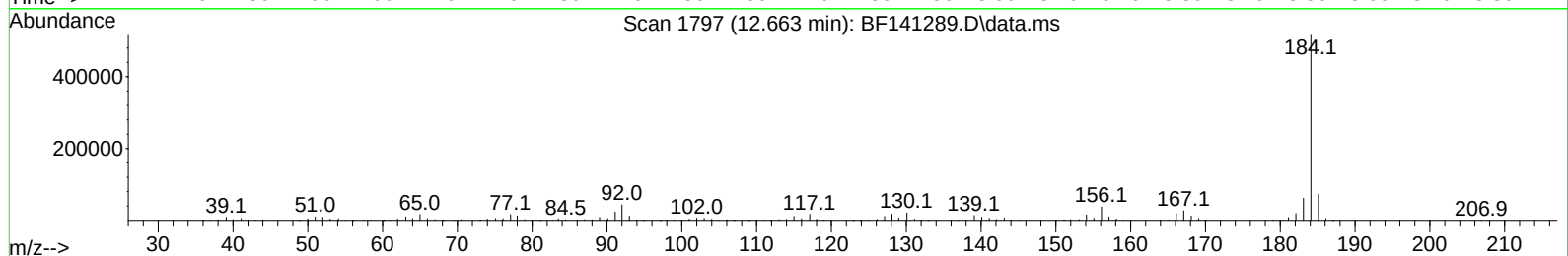
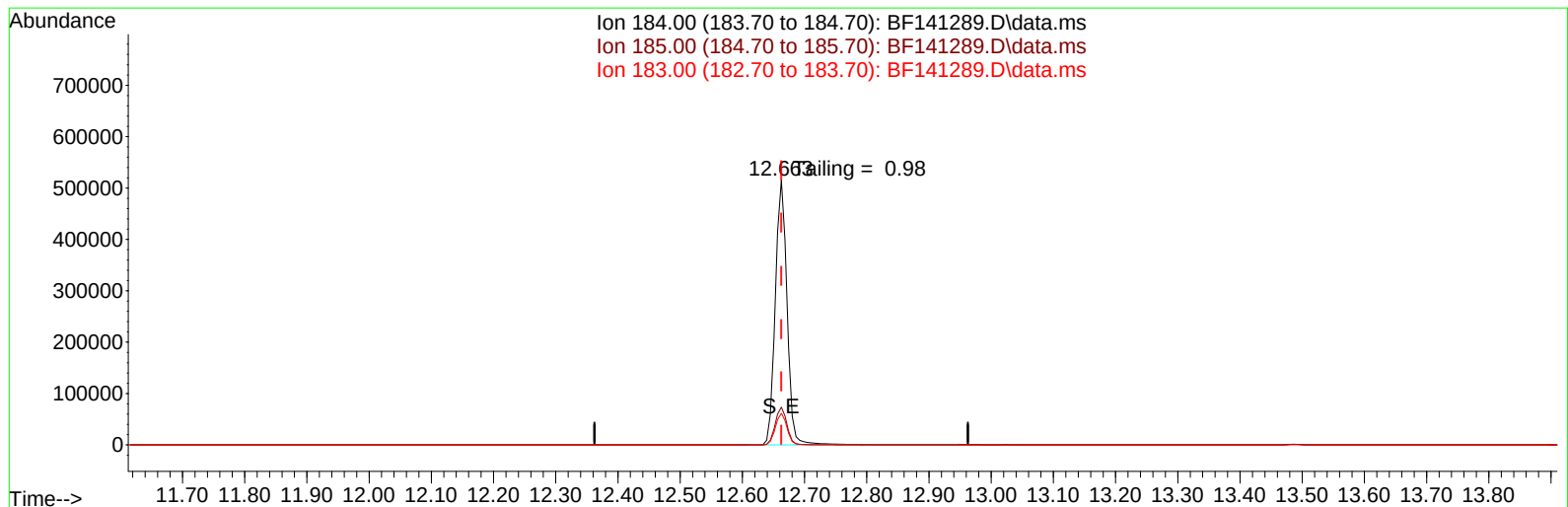
response 157302

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	68.00	63.47
264.00	63.20	64.50
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141289.D
Acq On : 29 Jan 2025 10:03
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jan 29 13:18:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 13:12:40 2025
Response via : Initial Calibration



TIC: BF141289.D\data.ms

(77) Benzidine

12.663min (-0.000) 86413.53 ng

response 677498

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.10	14.27
183.00	11.70	11.93
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
1/29/2025	BNA_F	<u>BF141289.D</u>
Compound Name	Response	Retention Time
DDT	407437	13.486
DDD	11239	13.186
DDE	931	12.851
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
12170	419607	2.90

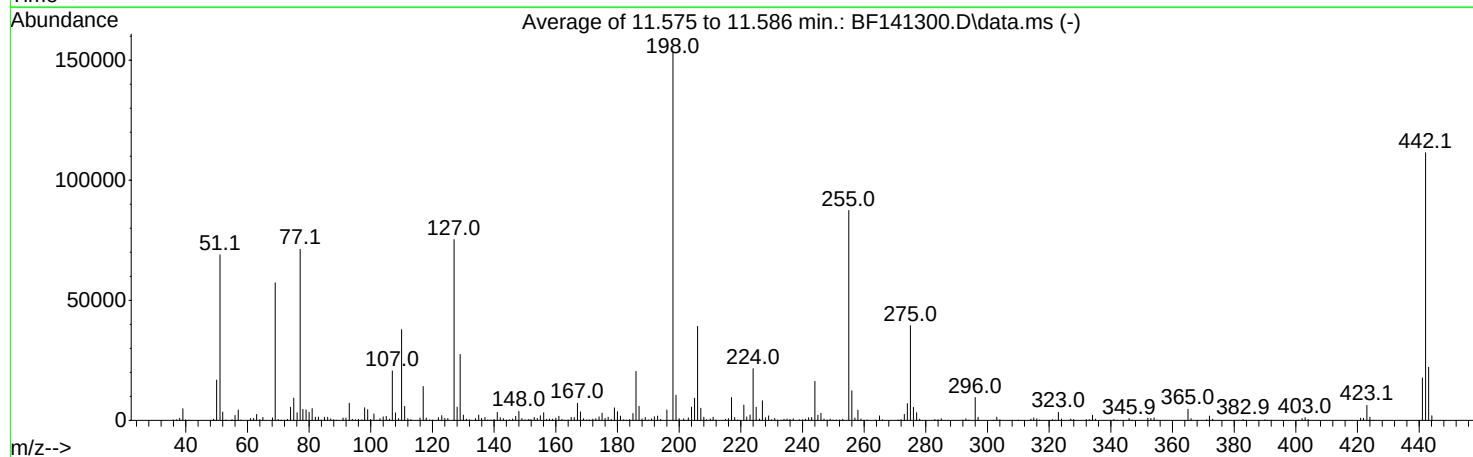
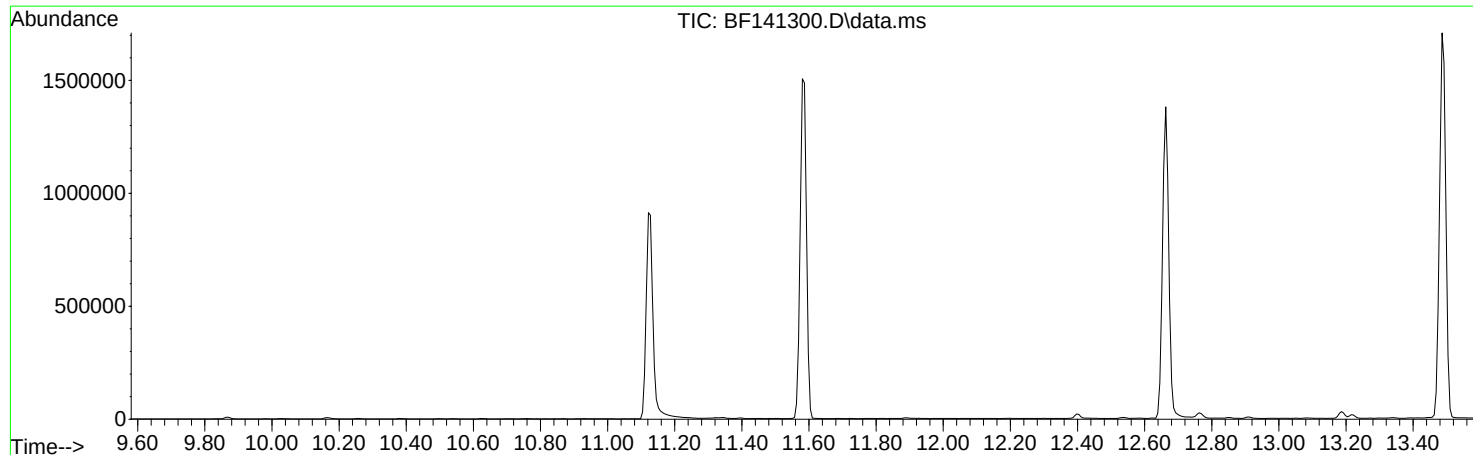
Instrument :
BNA_F
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013025\
Data File : BF141300.D
Acq On : 30 Jan 2025 08:28
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-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 29 17:41:25 2025



AutoFind: Scans 1612, 1613, 1614; Background Corrected with Scan 1606

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	45.0	68947	PASS
68	69	0.00	2	1.9	1080	PASS
69	198	0.00	100	37.4	57275	PASS
70	69	0.00	2	0.6	350	PASS
127	198	10	80	49.1	75275	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	153189	PASS
199	198	5	9	6.8	10452	PASS
275	198	10	60	25.8	39467	PASS
365	198	1	100	3.0	4620	PASS
441	198	0.01	100	11.5	17662	PASS
442	442	50	100	100.0	111453	PASS
443	442	15	24	19.8	22114	PASS

DDT Breakdown

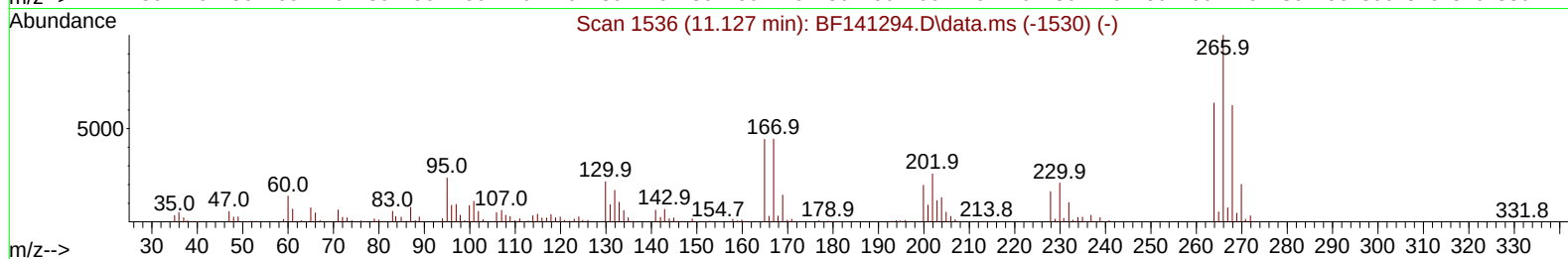
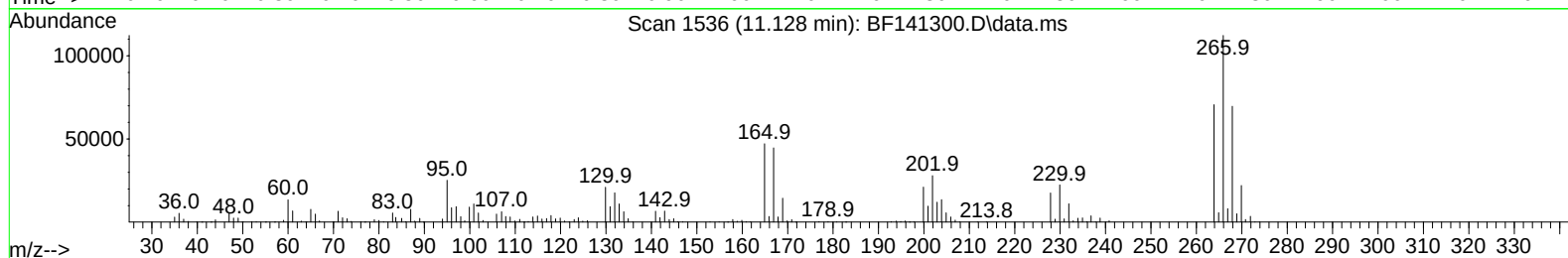
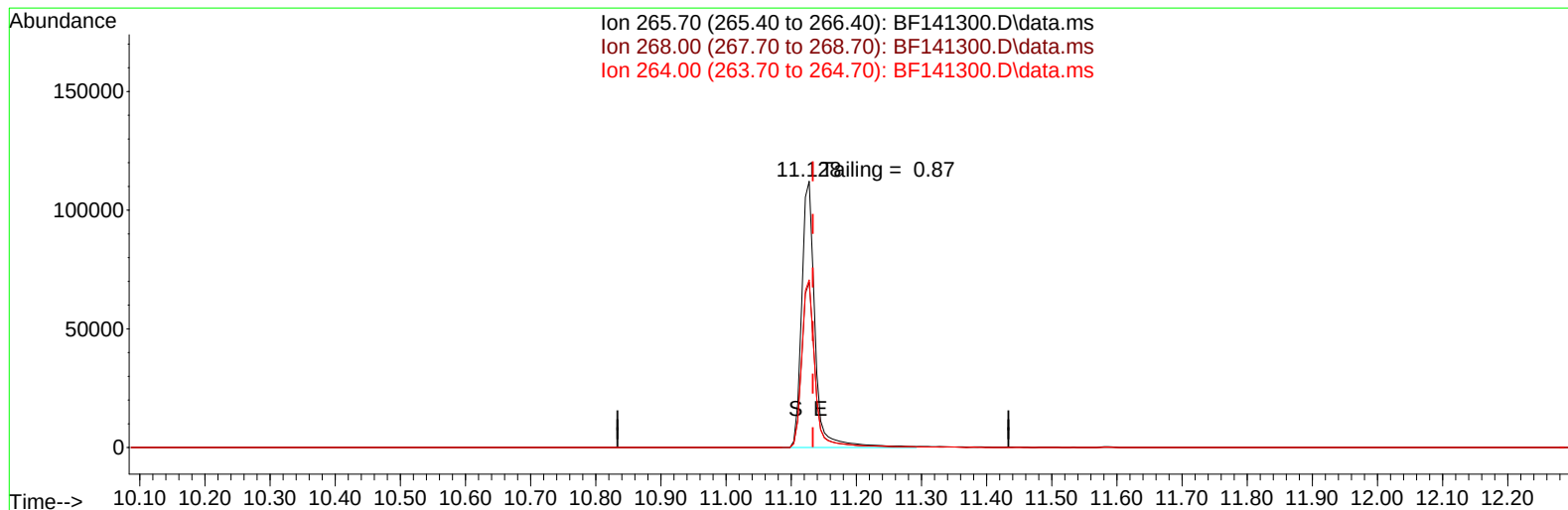
Date	Instrument Name	DFTPP Data File
1/30/2025	BNA_F	<u>BF141300.D</u>
Compound Name	Response	Retention Time
DDT	441101	13.486
DDD	12334	13.186
DDE	802	12.851
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
13136	454237	2.89

Instrument :
BNA_F
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013025\
Data File : BF141300.D
Acq On : 30 Jan 2025 08:28
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jan 30 10:21:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration



TIC: BF141300.D\data.ms

(70) Pentachlorophenol (C)

11.128min (-0.006) 13218.72 ng

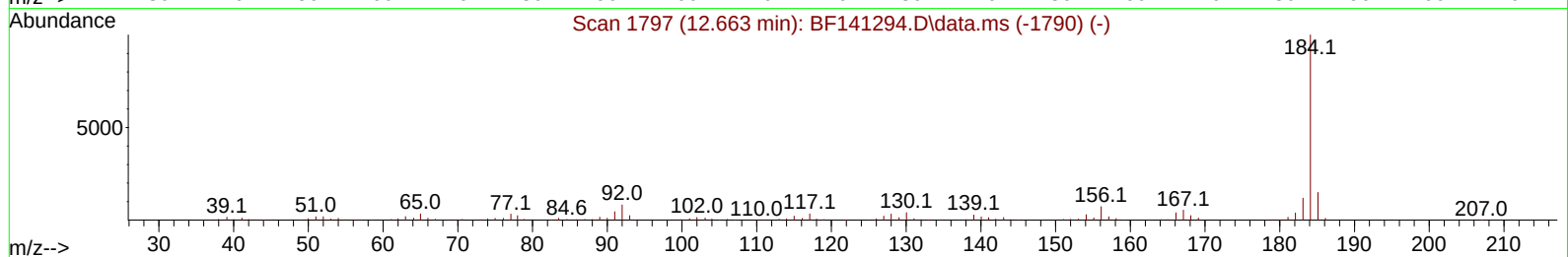
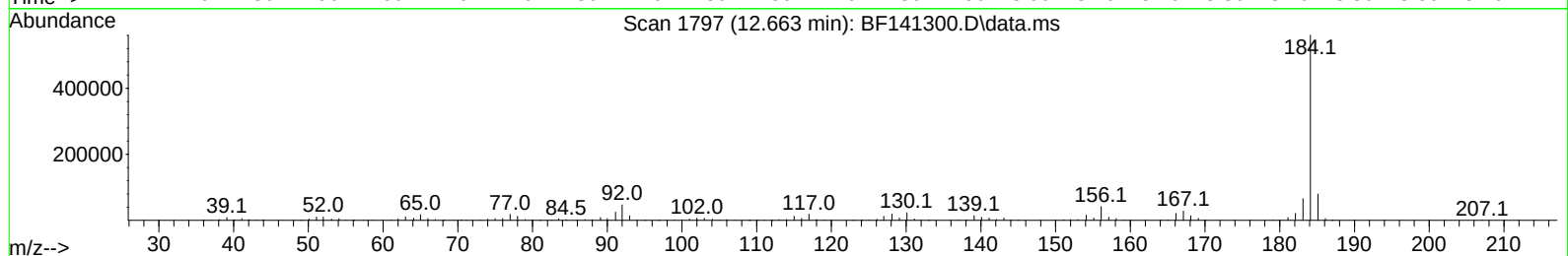
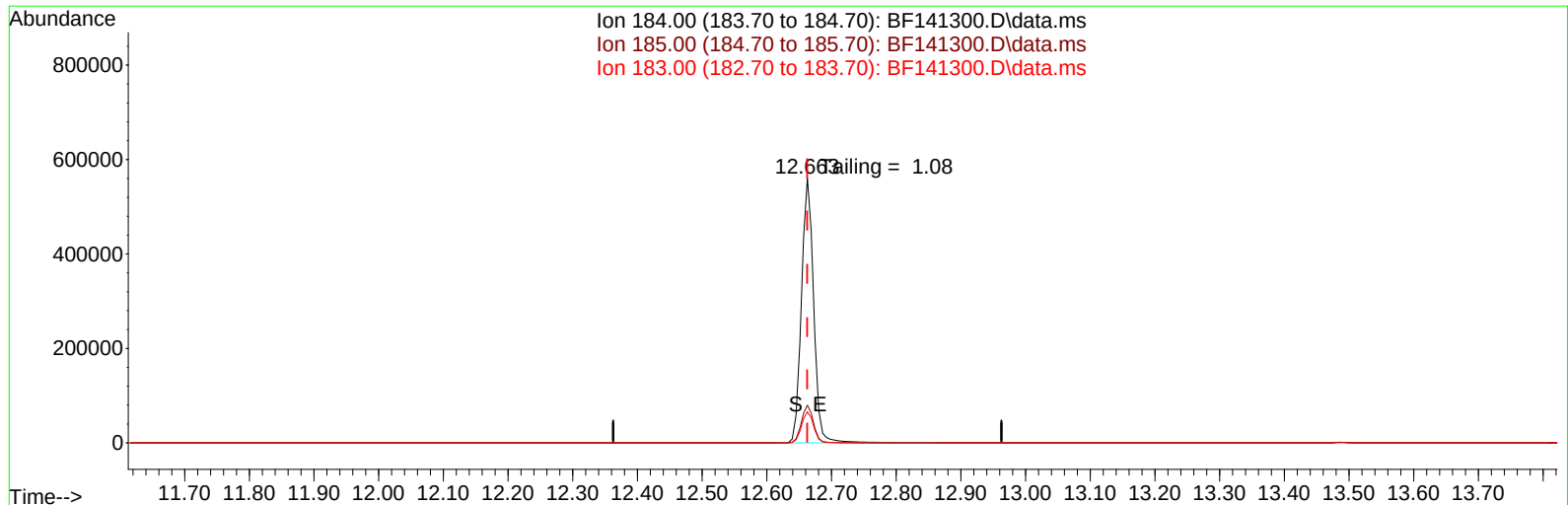
response 160131

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.40	62.08
264.00	63.70	62.98
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013025\
Data File : BF141300.D
Acq On : 30 Jan 2025 08:28
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jan 30 10:21:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration



TIC: BF141300.D\data.ms

(77) Benzidine

12.663min (-0.000) 23068.63 ng

response 739544

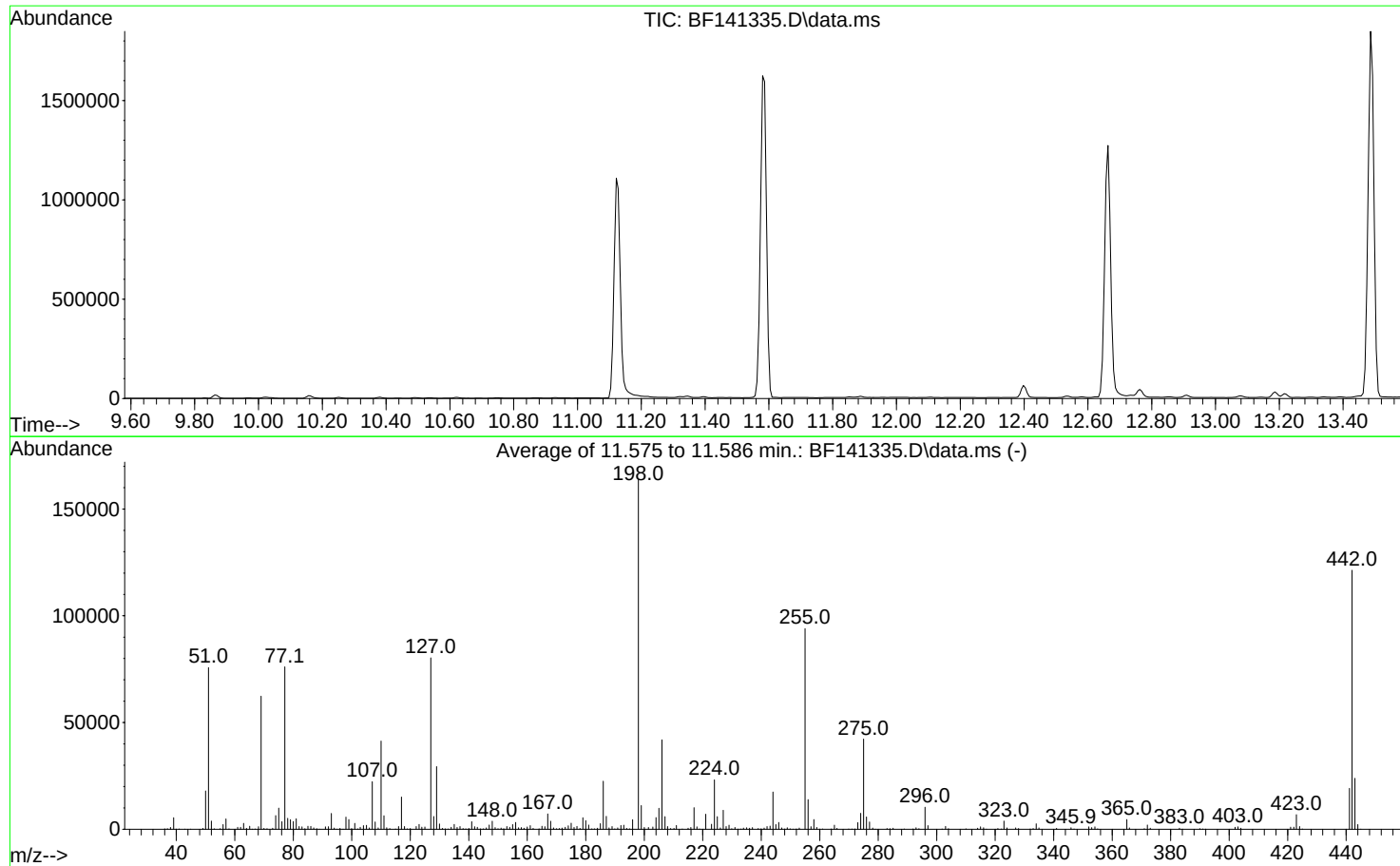
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.90	14.27
183.00	11.90	11.79
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141335.D
Acq On : 31 Jan 2025 16:53
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-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 29 17:41:25 2025



AutoFind: Scans 1612, 1613, 1614; Background Corrected with Scan 1606

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	46.2	75704	PASS
68	69	0.00	2	1.9	1195	PASS
69	198	0.00	100	38.1	62342	PASS
70	69	0.00	2	0.7	436	PASS
127	198	10	80	49.0	80267	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	163789	PASS
199	198	5	9	6.8	11100	PASS
275	198	10	60	25.8	42219	PASS
365	198	1	100	2.8	4575	PASS
441	198	0.01	100	11.7	19173	PASS
442	442	50	100	100.0	121349	PASS
443	442	15	24	19.7	23847	PASS

DDT Breakdown

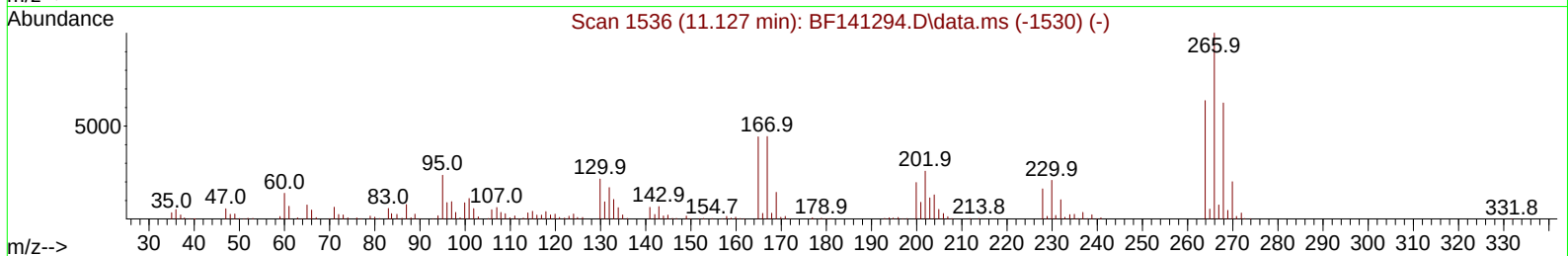
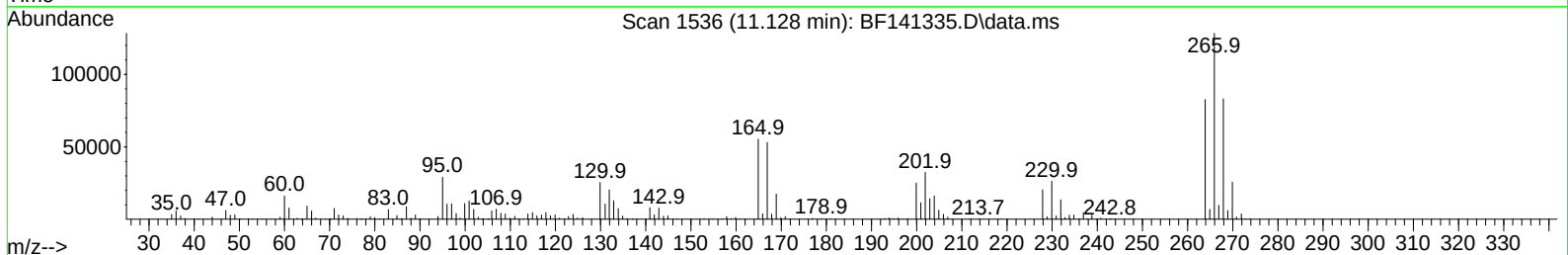
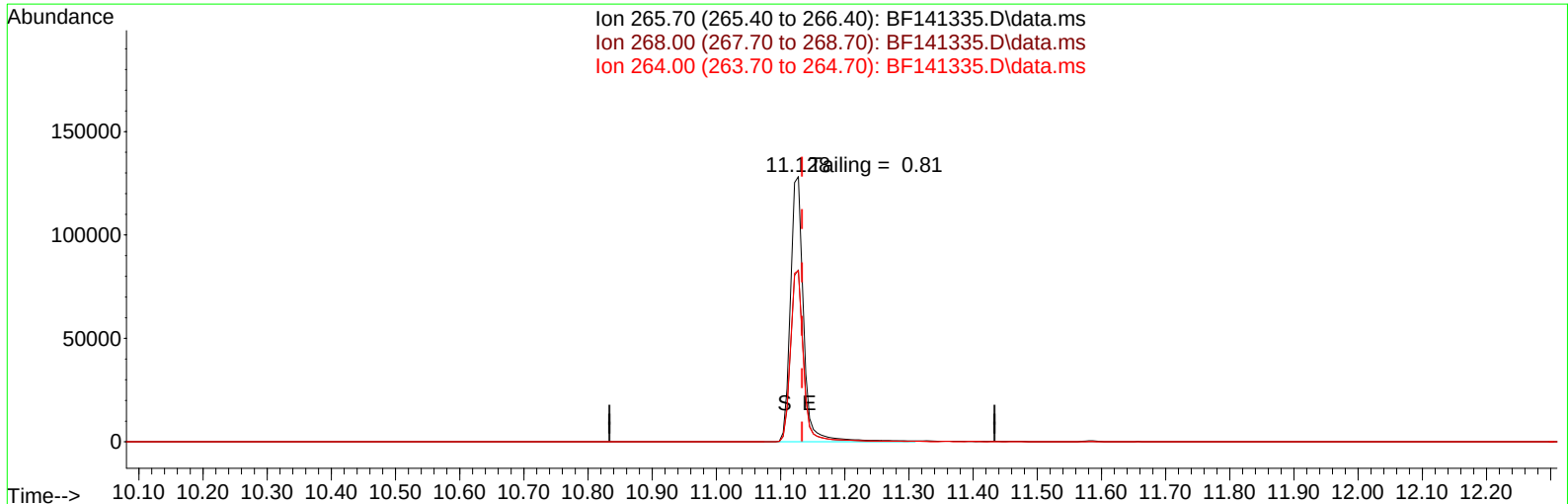
Date	Instrument Name	DFTPP Data File
1/31/2025	BNA_F	<u>BF141335.D</u>
Compound Name	Response	Retention Time
DDT	464959	13.486
DDD	12206	13.186
DDE	750	12.851
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
12956	477915	2.71

Instrument :
BNA_F
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141335.D
Acq On : 31 Jan 2025 16:53
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jan 31 17:41:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration



TIC: BF141335.D\data.ms

(70) Pentachlorophenol (C)

11.128min (-0.006) 9273.56 ng

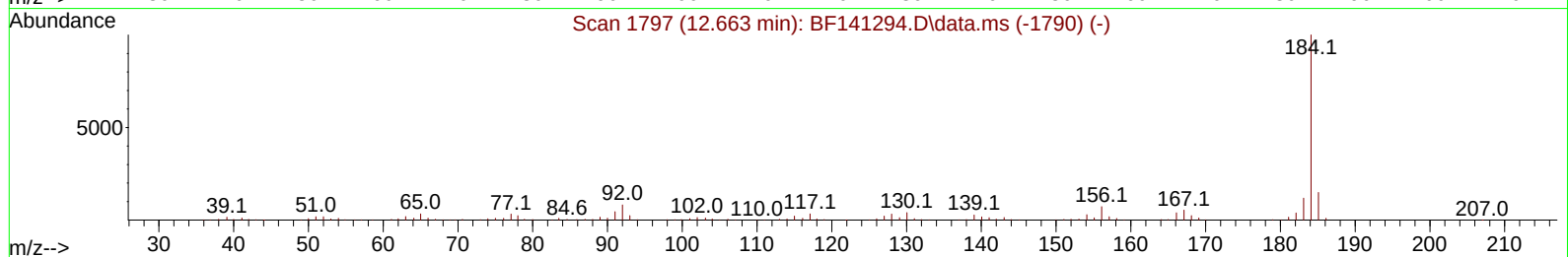
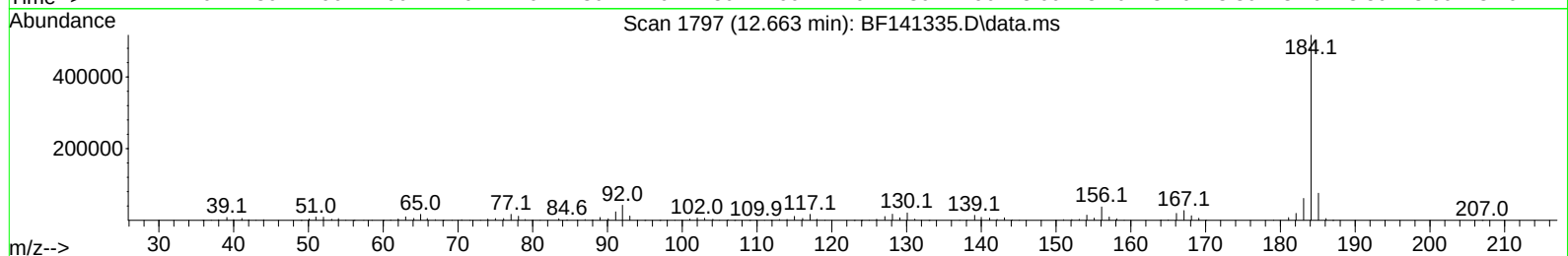
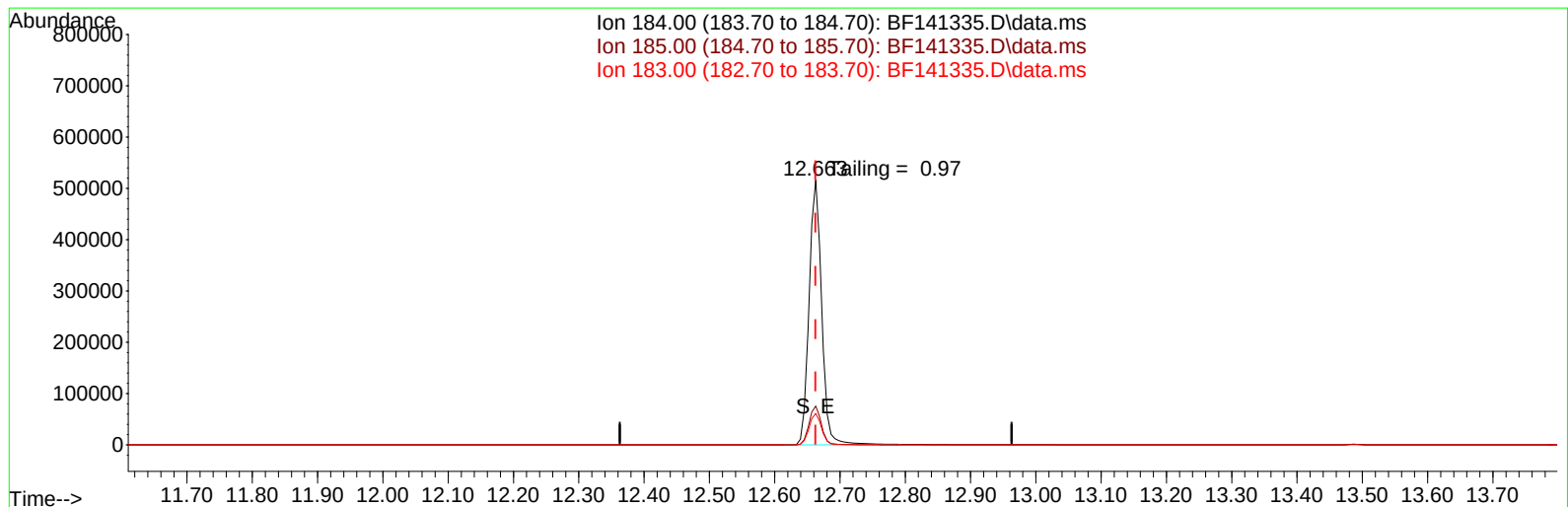
response 183922

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.40	64.82
264.00	63.70	64.49
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141335.D
Acq On : 31 Jan 2025 16:53
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jan 31 17:41:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration



TIC: BF141335.D\data.ms

(77) Benzidine

12.663min (-0.000) 12340.55 ng

response 693915

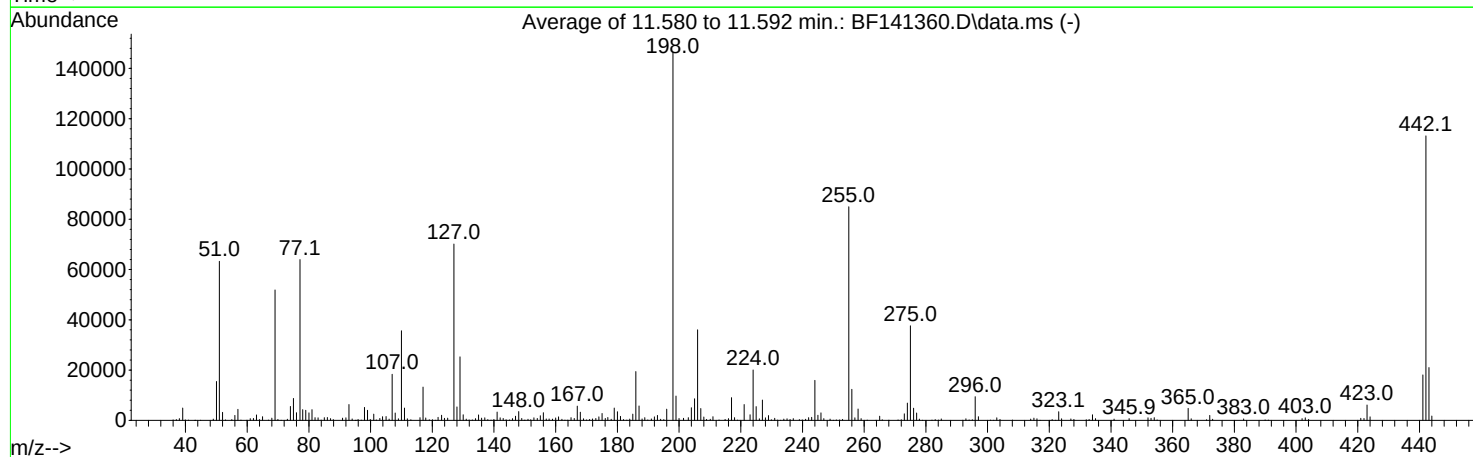
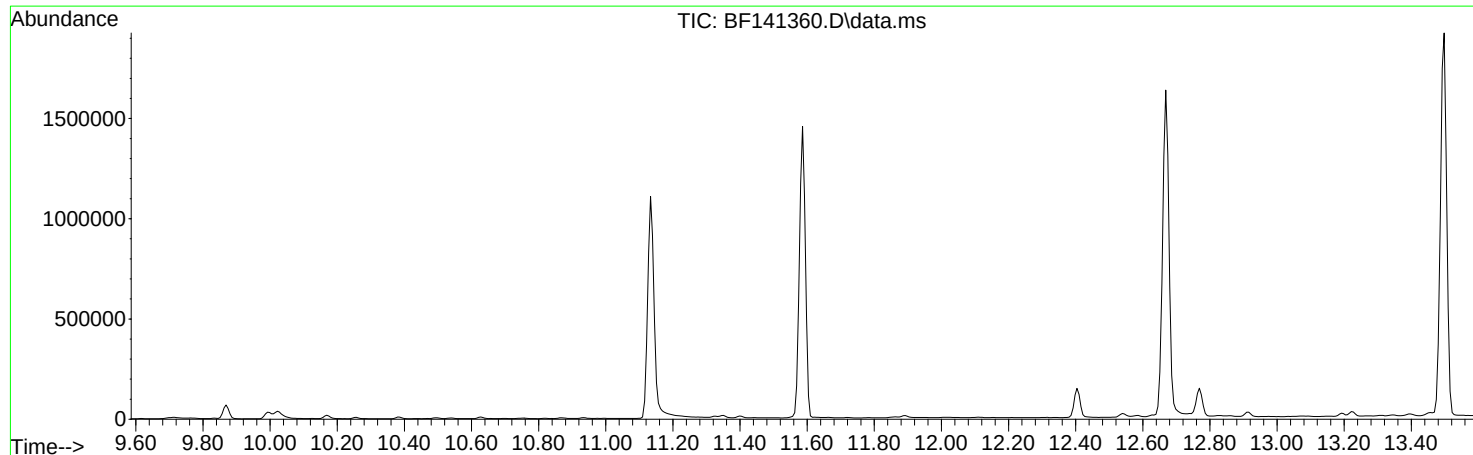
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.90	14.67
183.00	11.90	11.87
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141360.D
Acq On : 03 Feb 2025 09:53
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-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 29 17:41:25 2025



AutoFind: Scans 1613, 1614, 1615; Background Corrected with Scan 1607

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	43.2	63285	PASS
68	69	0.00	2	1.7	900	PASS
69	198	0.00	100	35.5	51895	PASS
70	69	0.00	2	0.7	361	PASS
127	198	10	80	47.9	70147	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	146336	PASS
199	198	5	9	6.6	9686	PASS
275	198	10	60	25.7	37640	PASS
365	198	1	100	3.2	4754	PASS
441	198	0.01	100	12.3	18072	PASS
442	442	50	100	100.0	113157	PASS
443	442	15	24	18.6	21030	PASS

DDT Breakdown

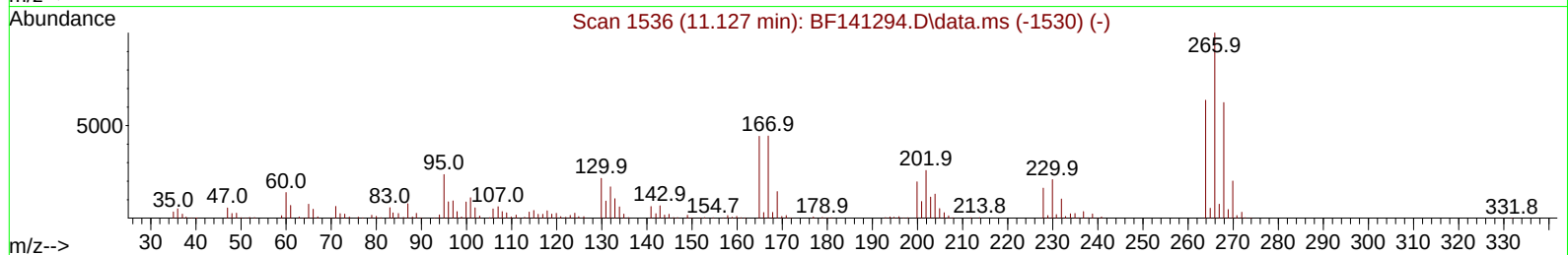
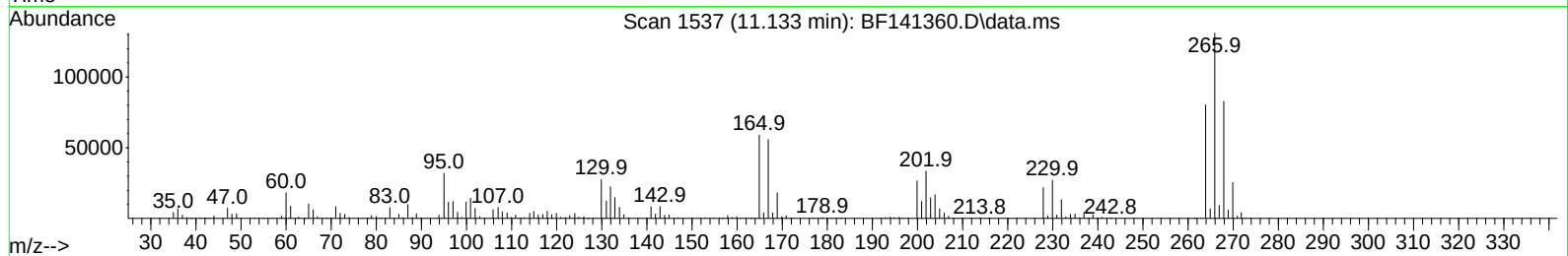
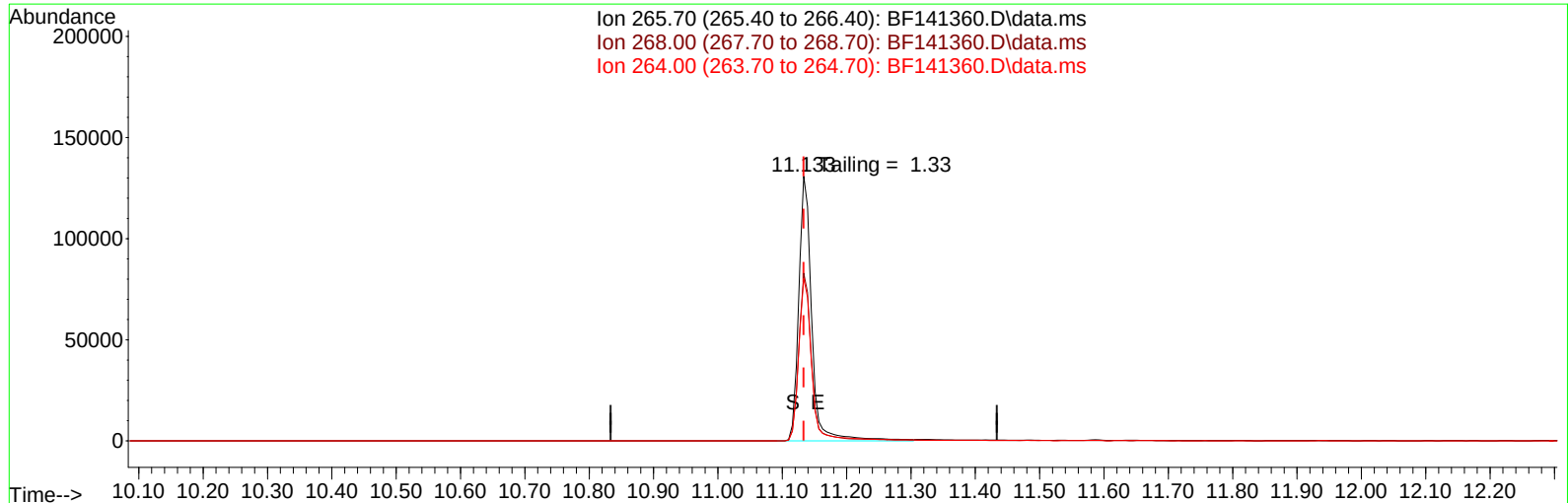
Date	Instrument Name	DFTPP Data File
2/3/2025	BNA_F	<u>BF141360.D</u>
Compound Name	Response	Retention Time
DDT	493977	13.498
DDD	9683	13.221
DDE	491	12.857
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
10174	504151	2.02

Instrument :
BNA_F
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141360.D
Acq On : 03 Feb 2025 09:53
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Feb 03 12:16:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration



TIC: BF141360.D\data.ms

(70) Pentachlorophenol (C)

11.133min (-0.000) 6278.82 ng

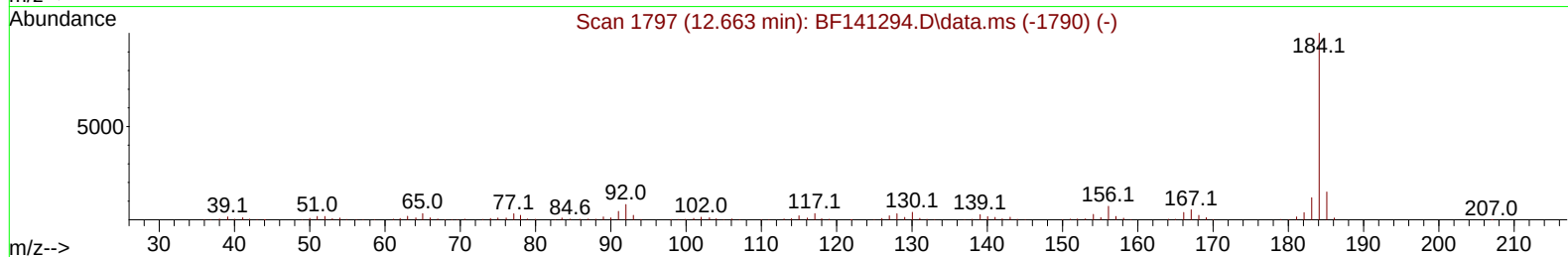
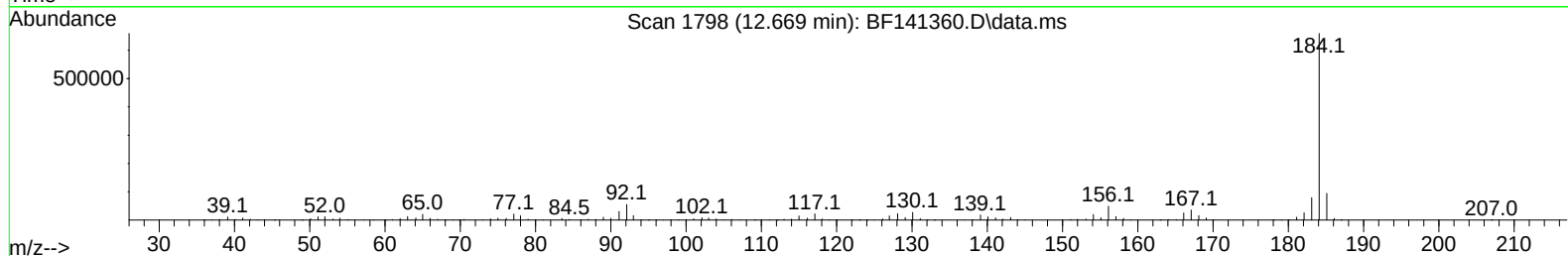
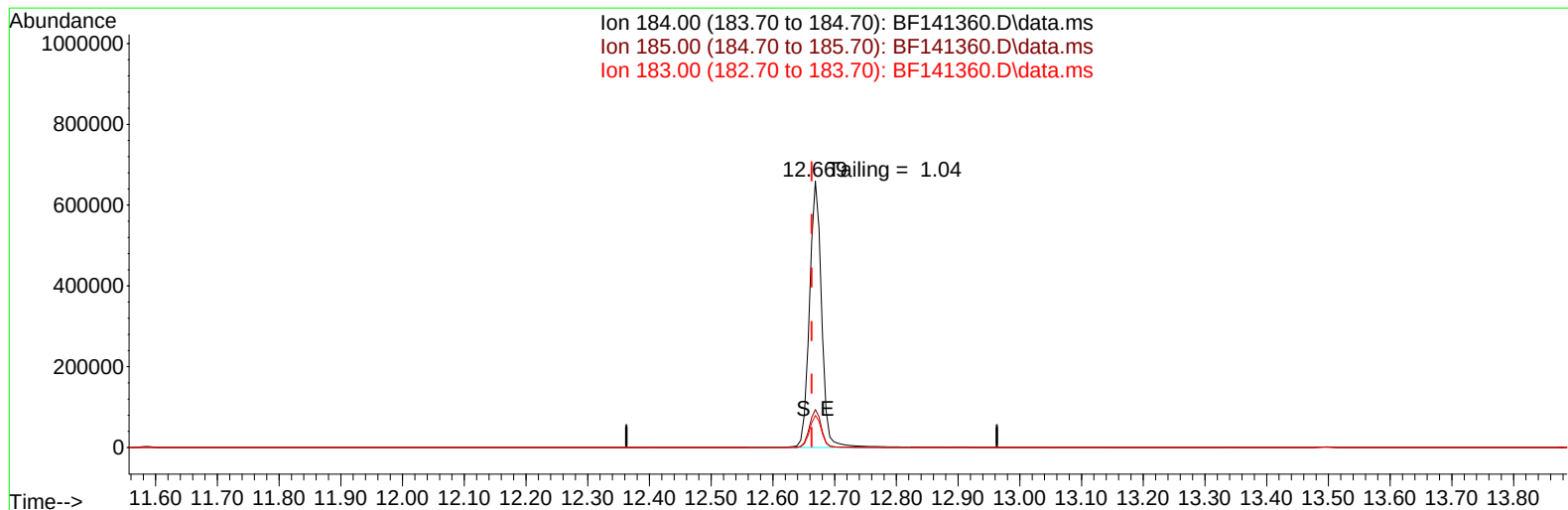
response 185394

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.40	63.32
264.00	63.70	61.35
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141360.D
Acq On : 03 Feb 2025 09:53
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Feb 03 12:16:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration



TIC: BF141360.D\data.ms

(77) Benzidine

12.669min (+ 0.006) 7483.96 ng

response 909791

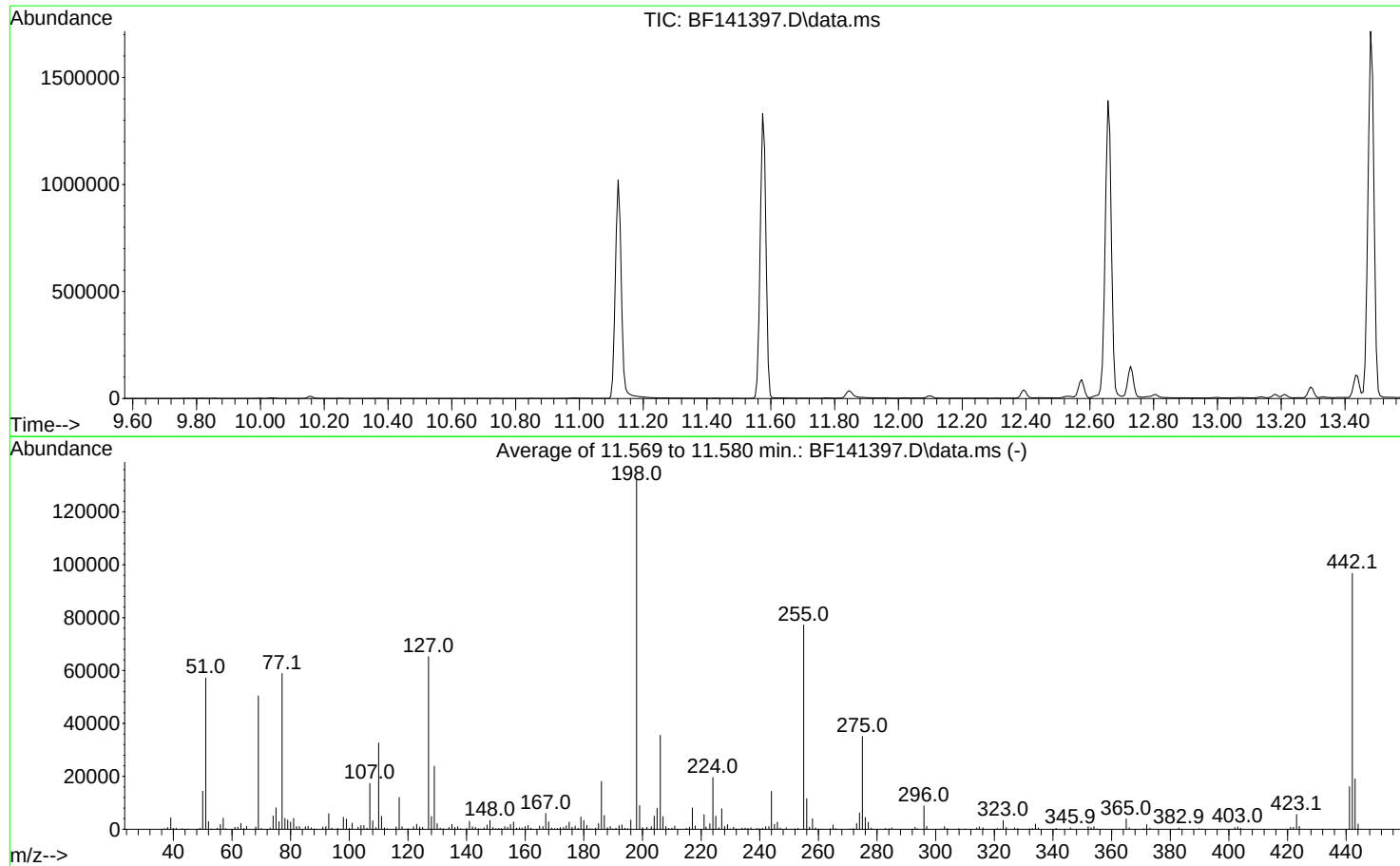
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.90	14.28
183.00	11.90	12.04
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141397.D
Acq On : 04 Feb 2025 10:16
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-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 29 17:41:25 2025



AutoFind: Scans 1611, 1612, 1613; Background Corrected with Scan 1605

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	43.3	57171	PASS
68	69	0.00	2	1.9	947	PASS
69	198	0.00	100	38.1	50408	PASS
70	69	0.00	2	0.6	288	PASS
127	198	10	80	49.4	65259	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	132187	PASS
199	198	5	9	6.8	8986	PASS
275	198	10	60	26.5	35069	PASS
365	198	1	100	3.0	3931	PASS
441	198	0.01	100	12.2	16076	PASS
442	442	50	100	100.0	96717	PASS
443	442	15	24	19.7	19012	PASS

DDT Breakdown

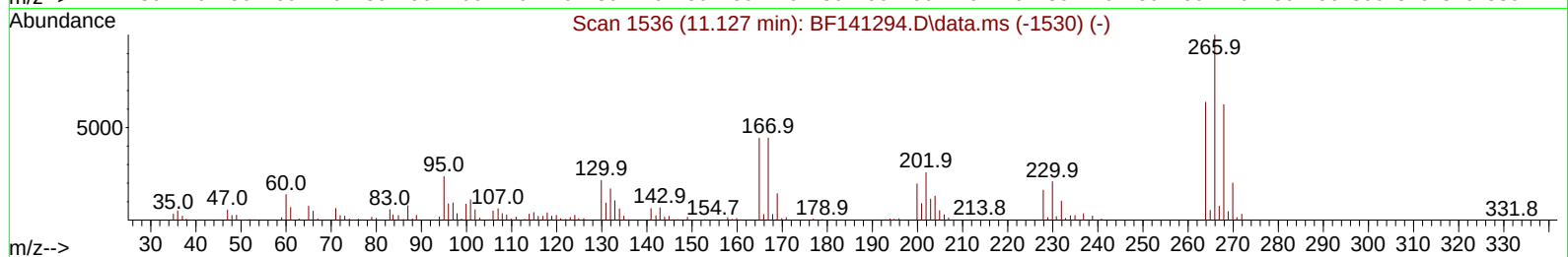
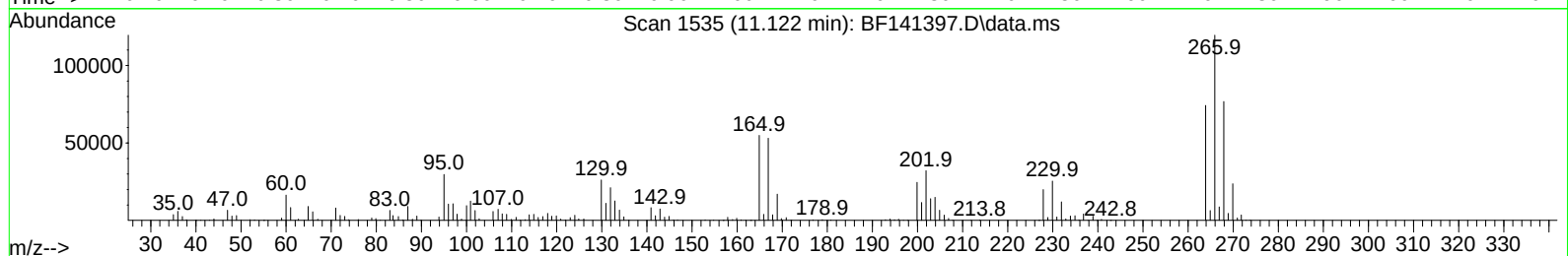
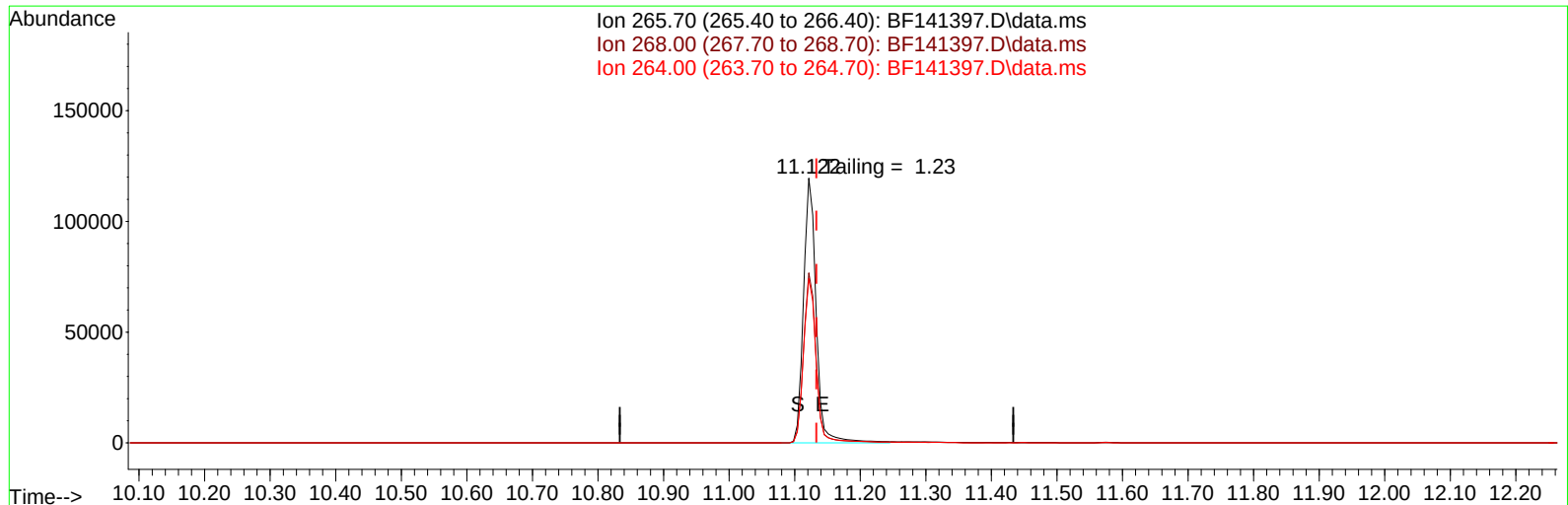
Date	Instrument Name	DFTPP Data File
2/4/2025	BNA_F	<u>BF141397.D</u>
Compound Name	Response	Retention Time
DDT	430190	13.48
DDD	8939	13.18
DDE	241	12.845
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
9180	439370	2.09

Instrument :
BNA_F
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141397.D
Acq On : 04 Feb 2025 10:16
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Feb 04 11:33:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration



TIC: BF141397.D\data.ms

(70) Pentachlorophenol (C)

11.122min (-0.012) 45312.00 ng

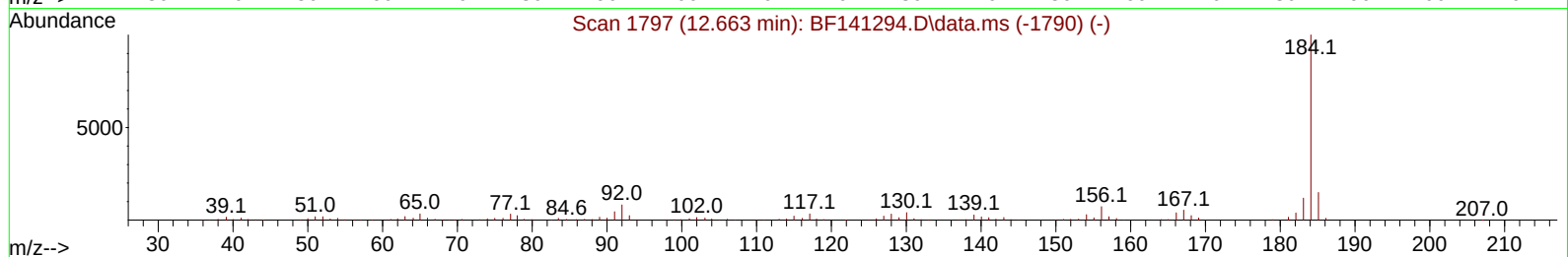
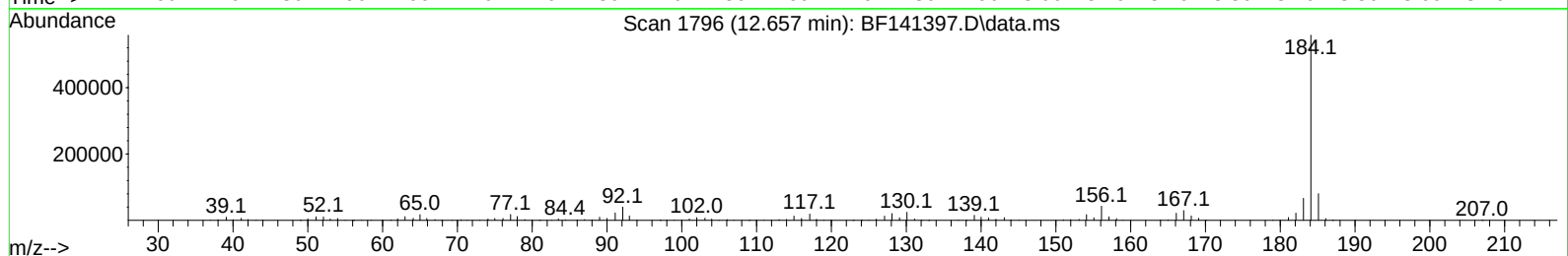
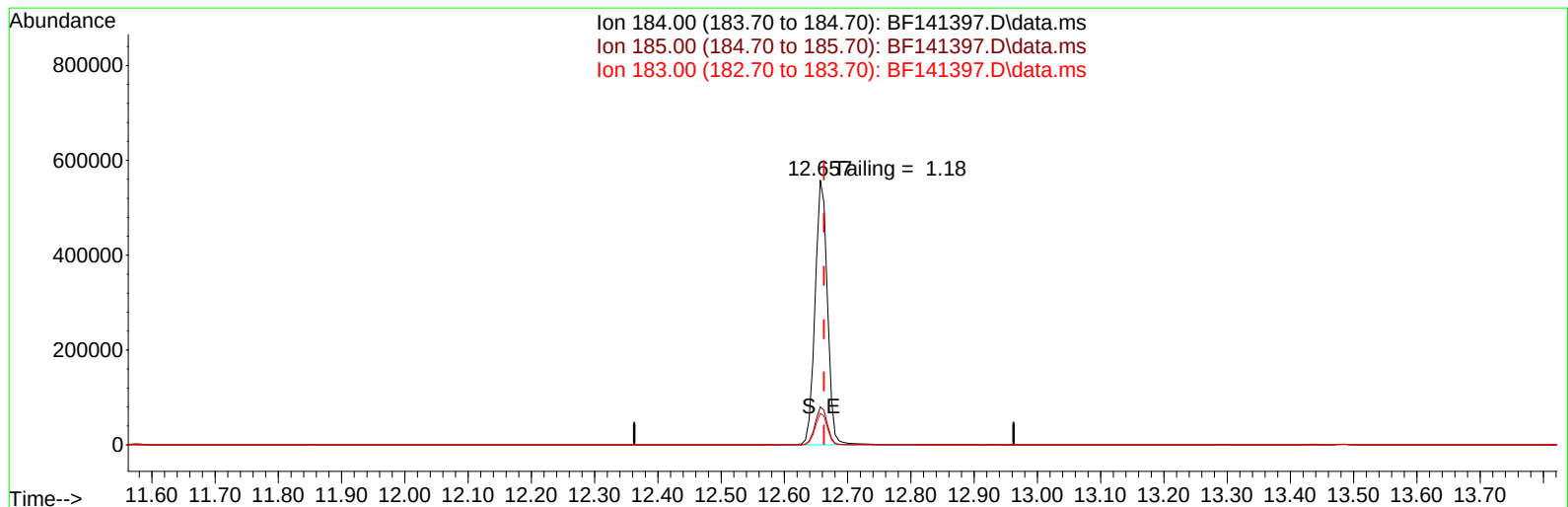
response 160702

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.40	64.23
264.00	63.70	62.09
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141397.D
Acq On : 04 Feb 2025 10:16
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Feb 04 11:33:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration



TIC: BF141397.D\data.ms

(77) Benzidine

12.657min (-0.006) 113140.91 ng

response 761695

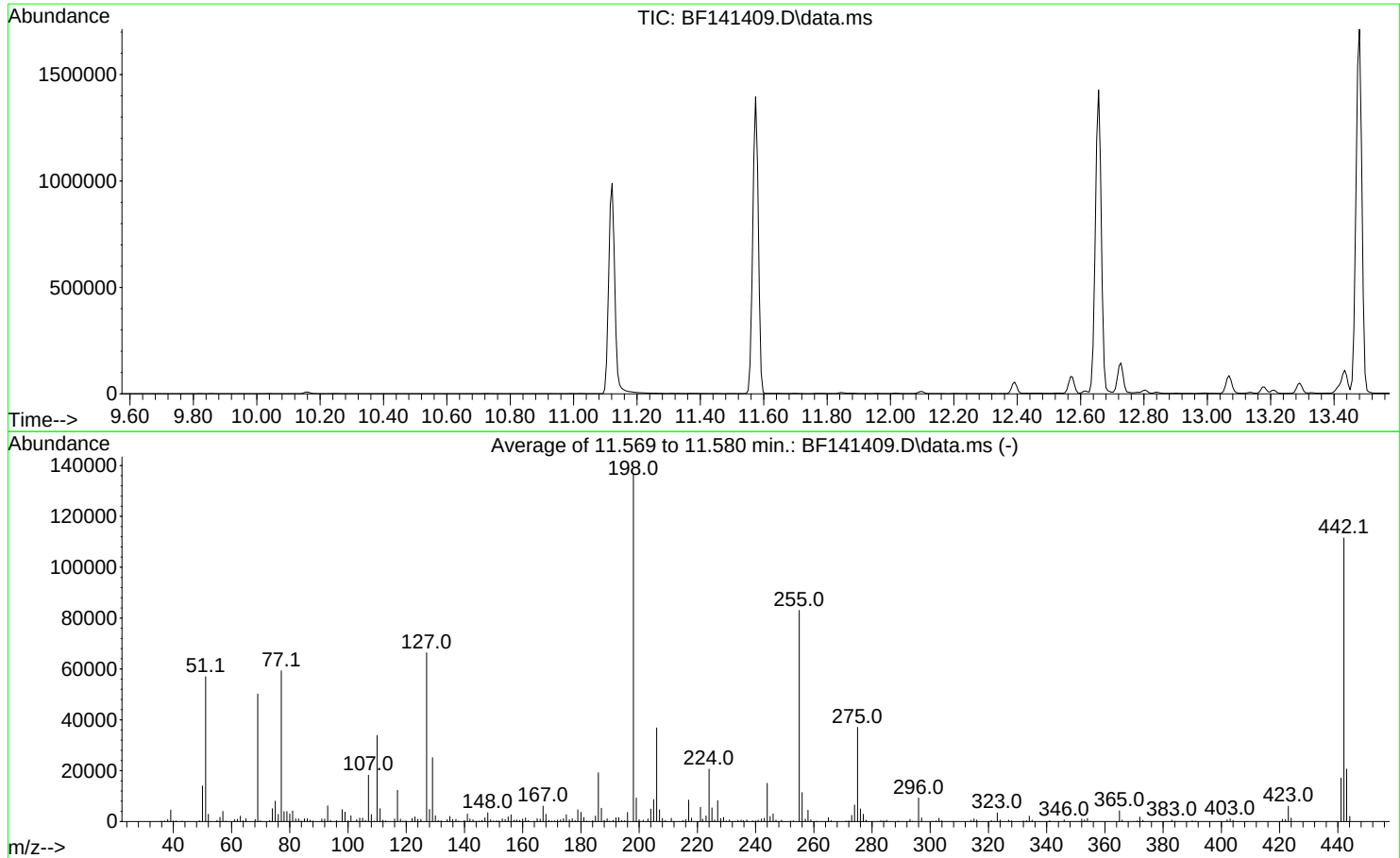
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.90	14.38
183.00	11.90	11.93
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141409.D
Acq On : 04 Feb 2025 15:32
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-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 29 17:41:25 2025



AutoFind: Scans 1611, 1612, 1613; Background Corrected with Scan 1605

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	41.7	56976	PASS
68	69	0.00	2	1.7	844	PASS
69	198	0.00	100	36.7	50160	PASS
70	69	0.00	2	0.6	317	PASS
127	198	10	80	48.6	66312	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	136541	PASS
199	198	5	9	6.8	9266	PASS
275	198	10	60	27.1	37069	PASS
365	198	1	100	3.1	4251	PASS
441	198	0.01	100	12.5	17108	PASS
442	442	50	100	100.0	111555	PASS
443	442	15	24	18.5	20620	PASS

DDT Breakdown

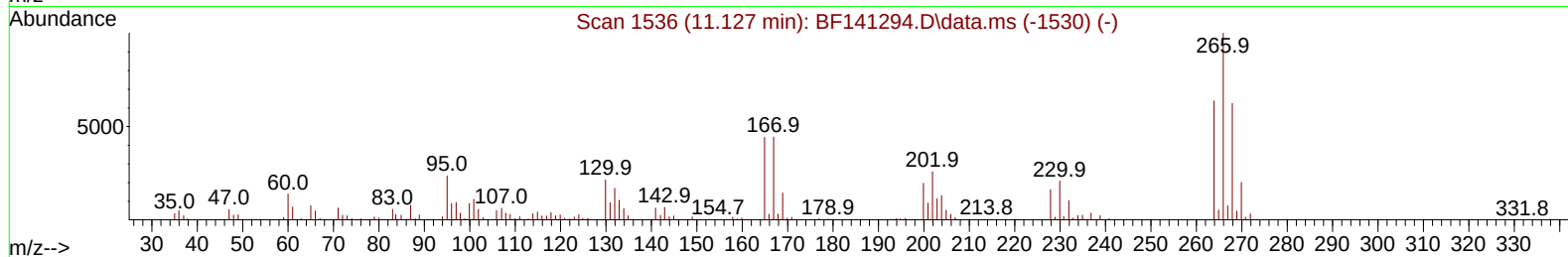
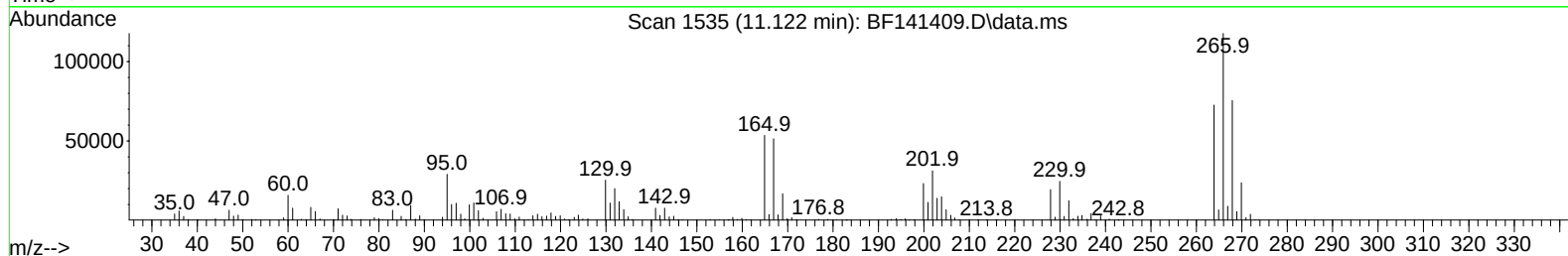
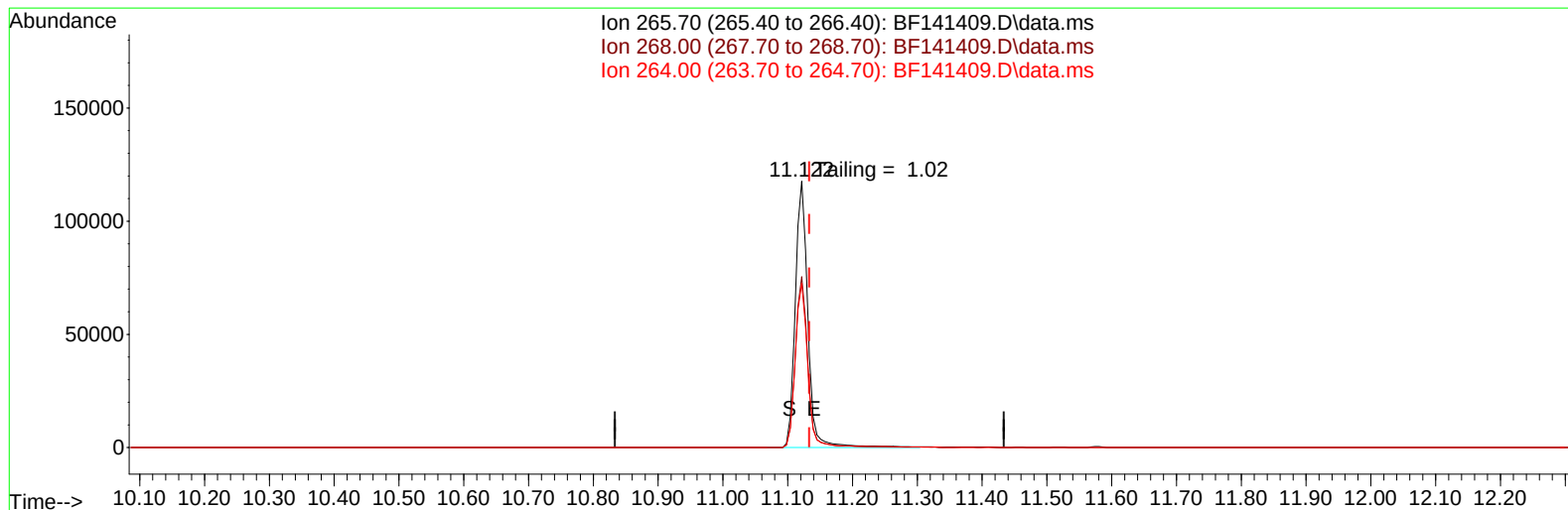
Date	Instrument Name	DFTPP Data File
2/4/2025	BNA_F	<u>BF141409.D</u>
Compound Name	Response	Retention Time
DDT	427881	13.48
DDD	13296	13.18
DDE	1486	12.839
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
14782	442663	3.34

Instrument :
BNA_F
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141409.D
Acq On : 04 Feb 2025 15:32
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Feb 04 16:10:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration



TIC: BF141409.D\data.ms

(70) Pentachlorophenol (C)

11.122min (-0.012) 188004.57 ng

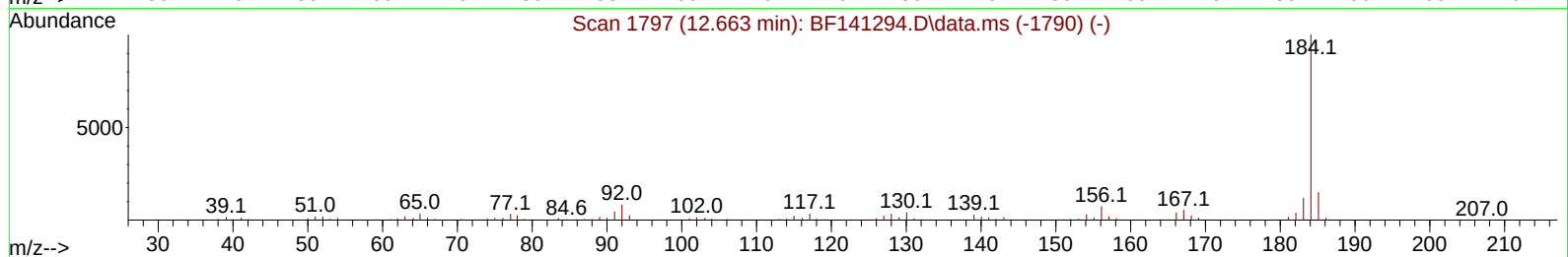
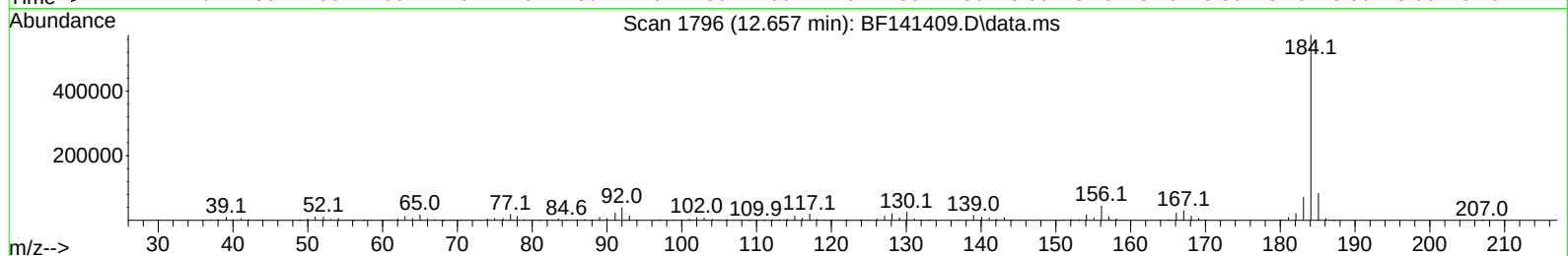
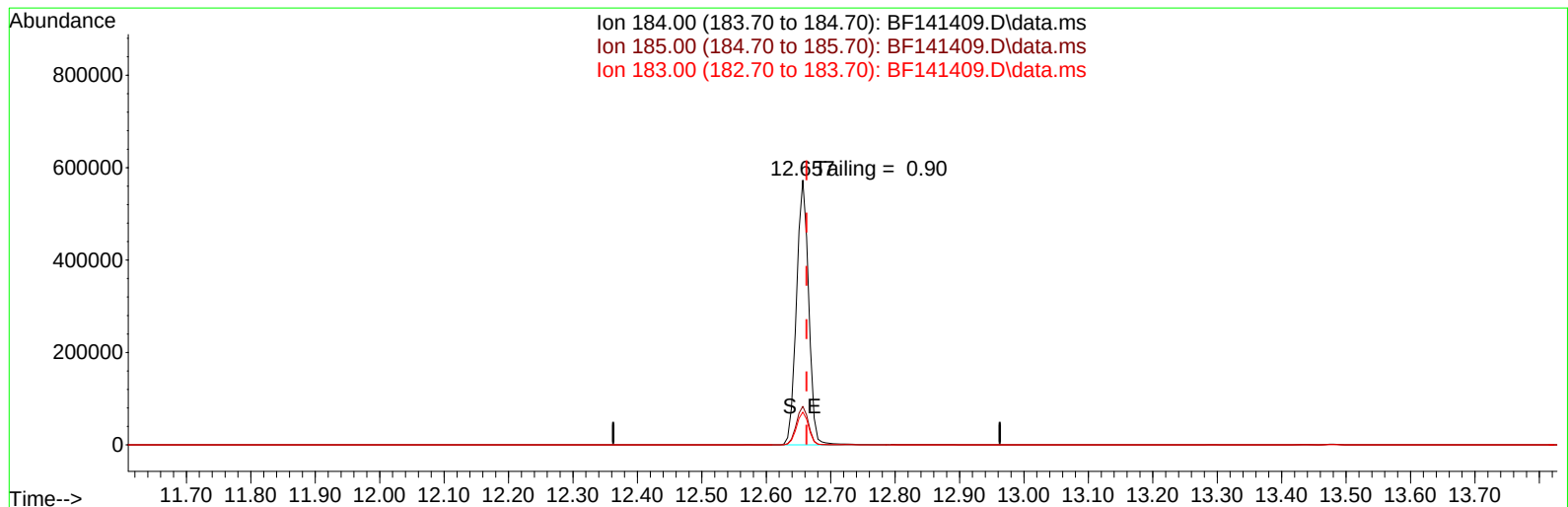
response 159502

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.40	64.16
264.00	63.70	61.66
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141409.D
Acq On : 04 Feb 2025 15:32
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Feb 04 16:10:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration



TIC: BF141409.D\data.ms

(77) Benzidine

12.657min (-0.006) 200133.30 ng m

response 757083

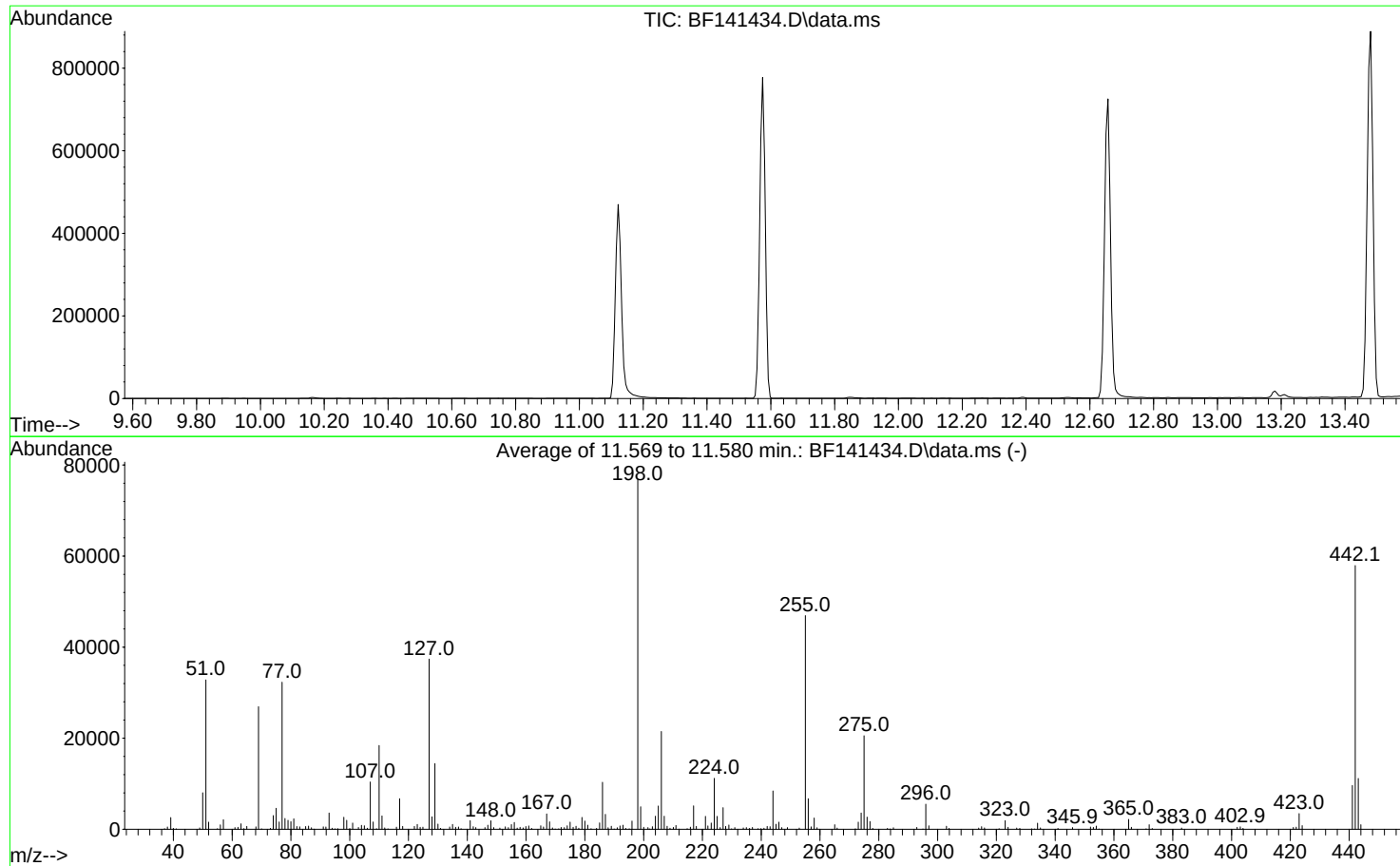
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.90	14.56
183.00	11.90	12.42
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141434.D
Acq On : 05 Feb 2025 09:36
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-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 29 17:41:25 2025



AutoFind: Scans 1611, 1612, 1613; Background Corrected with Scan 1605

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	42.7	32805	PASS
68	69	0.00	2	2.0	529	PASS
69	198	0.00	100	35.1	26925	PASS
70	69	0.00	2	0.4	108	PASS
127	198	10	80	48.7	37376	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	76800	PASS
199	198	5	9	6.4	4937	PASS
275	198	10	60	26.8	20563	PASS
365	198	1	100	2.8	2166	PASS
441	198	0.01	100	12.5	9611	PASS
442	442	50	100	100.0	57928	PASS
443	442	15	24	19.2	11149	PASS

DDT Breakdown

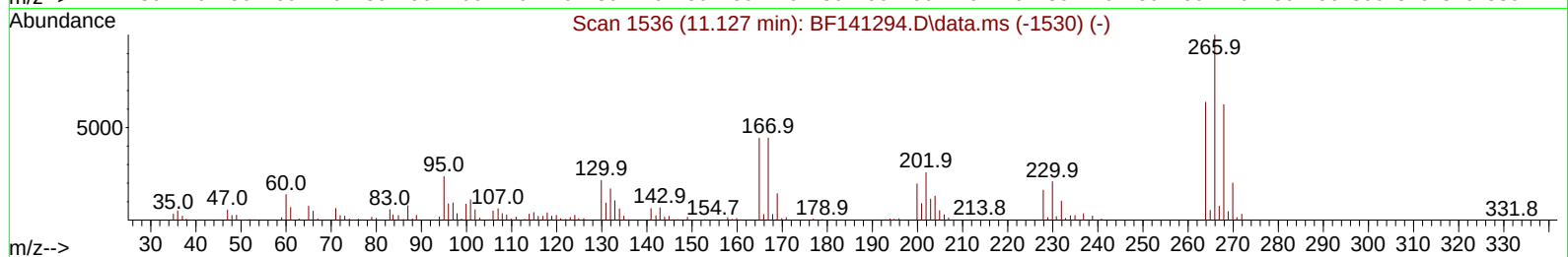
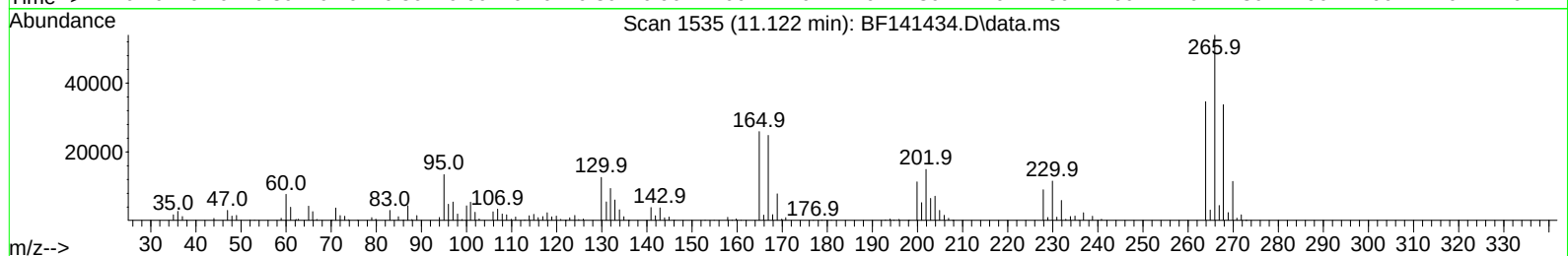
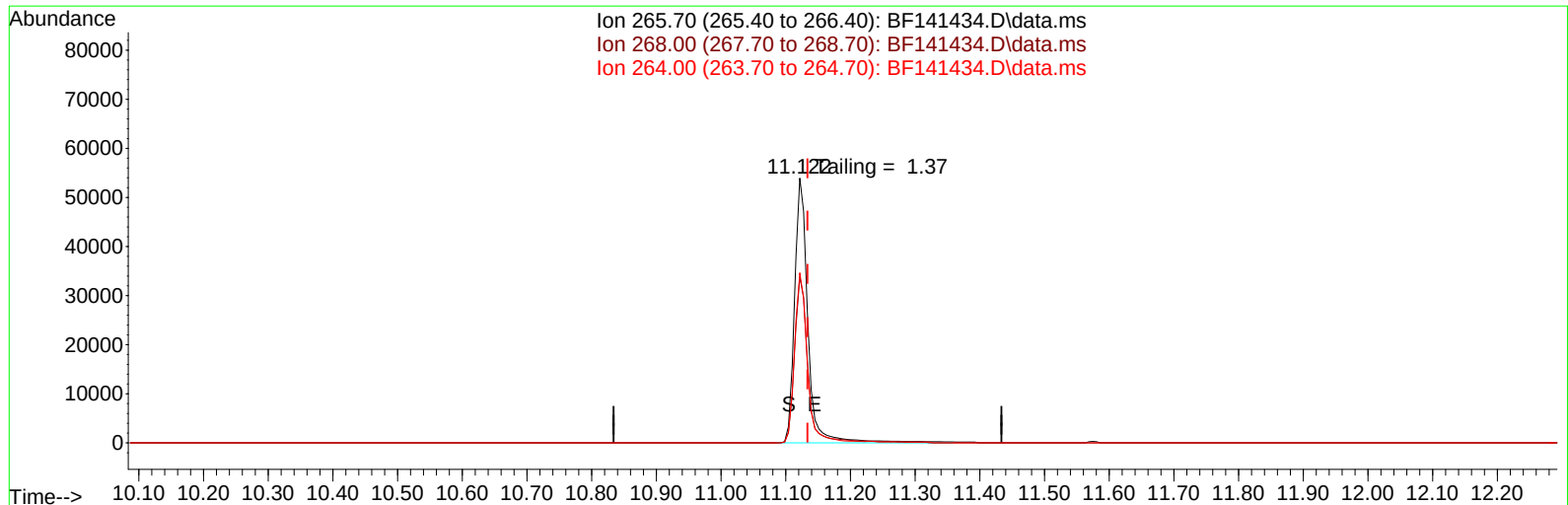
Date	Instrument Name	DFTPP Data File
2/5/2025	BNA_F	<u>BF141434.D</u>
Compound Name	Response	Retention Time
DDT	219771	13.48
DDD	7608	13.18
DDE	480	12.845
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
8088	227859	3.55

Instrument :
BNA_F
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141434.D
Acq On : 05 Feb 2025 09:36
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Feb 05 10:46:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration



TIC: BF141434.D\data.ms

(70) Pentachlorophenol (C)

11.122min (-0.012) 27136.66 ng

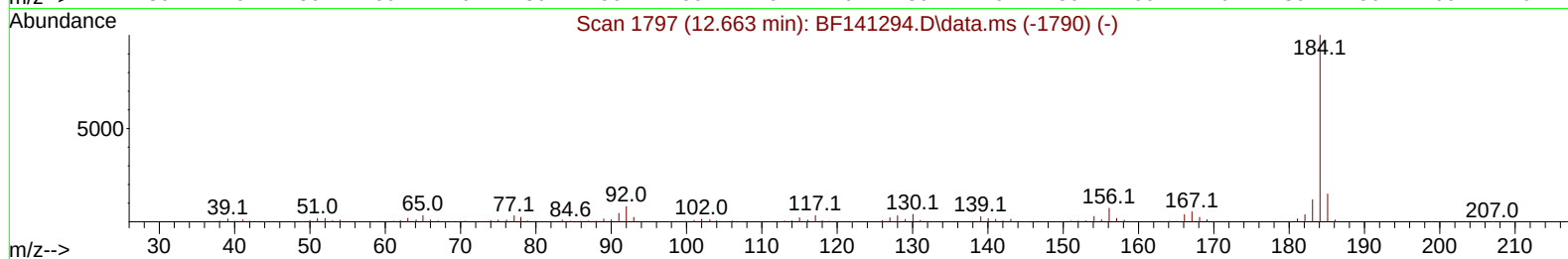
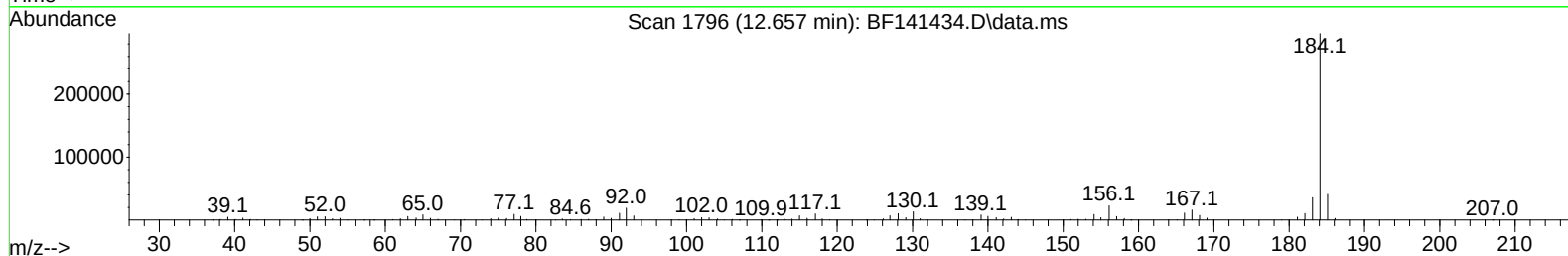
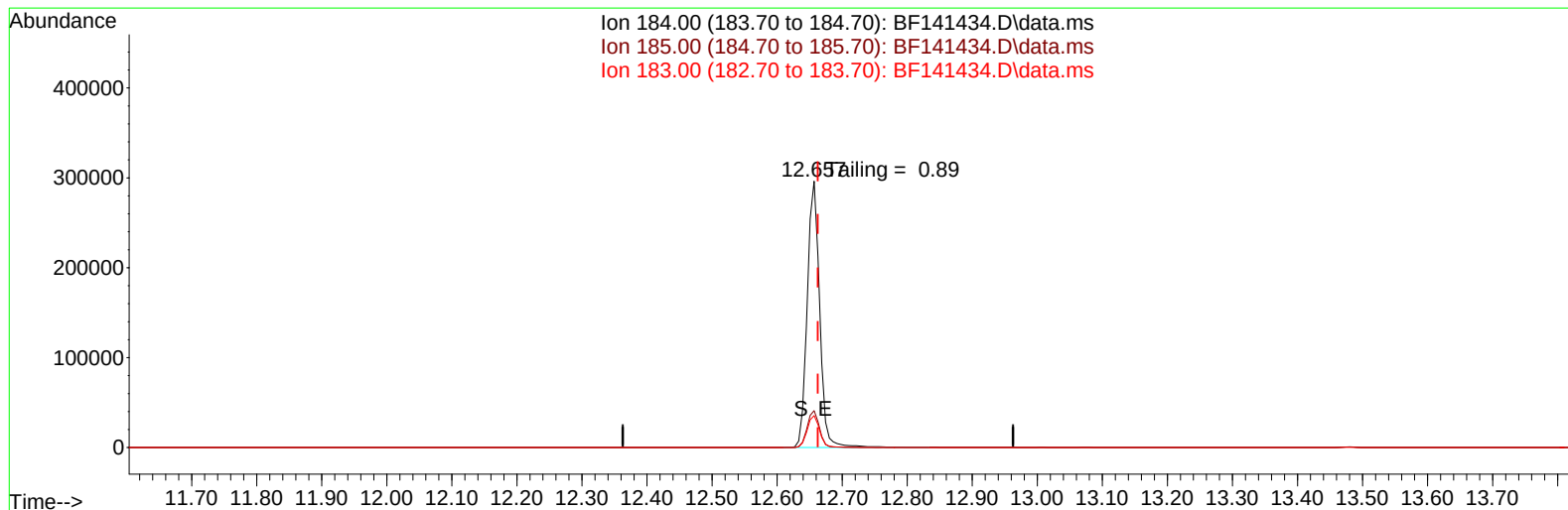
response 77371

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.40	62.57
264.00	63.70	64.19
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141434.D
Acq On : 05 Feb 2025 09:36
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Feb 05 10:46:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration



TIC: BF141434.D\data.ms

(77) Benzidine

12.657min (-0.006) 0.00 ng

response 393319

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.90	13.83
183.00	11.90	12.02
0.00	0.00	0.00

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166294BL	SDG No.:	Q1194
Lab Sample ID:	PB166294BL	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
BF141408.D	1	01/28/25 09:56	02/04/25 15:06	PB166294

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	82.9	U	82.9	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	83.7	U	83.7	170	ug/Kg
95-57-8	2-Chlorophenol	83.5	U	83.5	170	ug/Kg
95-48-7	2-Methylphenol	80.6	U	80.6	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	90.9	U	90.9	170	ug/Kg
98-86-2	Acetophenone	86.9	U	86.9	170	ug/Kg
65794-96-9	3+4-Methylphenols	79.8	U	79.8	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	40.3	U	40.3	80.0	ug/Kg
67-72-1	Hexachloroethane	83.0	U	83.0	170	ug/Kg
98-95-3	Nitrobenzene	90.8	U	90.8	170	ug/Kg
78-59-1	Isophorone	84.6	U	84.6	170	ug/Kg
88-75-5	2-Nitrophenol	94.5	U	94.5	170	ug/Kg
105-67-9	2,4-Dimethylphenol	93.2	U	93.2	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	85.8	U	85.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	75.5	U	75.5	170	ug/Kg
91-20-3	Naphthalene	82.6	U	82.6	170	ug/Kg
106-47-8	4-Chloroaniline	82.6	U	82.6	170	ug/Kg
87-68-3	Hexachlorobutadiene	83.3	U	83.3	170	ug/Kg
105-60-2	Caprolactam	86.8	U	86.8	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	77.5	U	77.5	170	ug/Kg
91-57-6	2-Methylnaphthalene	82.5	U	82.5	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	87.4	U	87.4	170	ug/Kg
91-58-7	2-Chloronaphthalene	83.3	U	83.3	170	ug/Kg
88-74-4	2-Nitroaniline	95.0	U	95.0	170	ug/Kg
131-11-3	Dimethylphthalate	81.7	U	81.7	170	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166294BL	SDG No.:	Q1194
Lab Sample ID:	PB166294BL	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
BF141408.D	1	01/28/25 09:56	02/04/25 15:06	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	86.5	U	86.5	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	83.2	U	83.2	170	ug/Kg
99-09-2	3-Nitroaniline	89.2	U	89.2	170	ug/Kg
83-32-9	Acenaphthene	81.1	U	81.1	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	84.4	U	84.4	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	86.2	U	86.2	170	ug/Kg
84-66-2	Diethylphthalate	80.1	U	80.1	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	85.6	U	85.6	170	ug/Kg
86-73-7	Fluorene	85.5	U	85.5	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	81.6	U	81.6	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	78.9	U	78.9	170	ug/Kg
118-74-1	Hexachlorobenzene	85.0	U	85.0	170	ug/Kg
1912-24-9	Atrazine	91.4	U	91.4	170	ug/Kg
87-86-5	Pentachlorophenol	77.3	U	77.3	330	ug/Kg
85-01-8	Phenanthrene	84.0	U	84.0	170	ug/Kg
120-12-7	Anthracene	84.4	U	84.4	170	ug/Kg
86-74-8	Carbazole	80.3	U	80.3	170	ug/Kg
84-74-2	Di-n-butylphthalate	84.3	U	84.3	170	ug/Kg
206-44-0	Fluoranthene	81.7	U	81.7	170	ug/Kg
129-00-0	Pyrene	83.0	U	83.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	96.8	U	96.8	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	98.6	U	98.6	330	ug/Kg
56-55-3	Benzo(a)anthracene	80.7	U	80.7	170	ug/Kg
218-01-9	Chrysene	79.5	U	79.5	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	91.0	U	91.0	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	81.1	U	81.1	170	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166294BL	SDG No.:	Q1194
Lab Sample ID:	PB166294BL	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
BF141408.D	1	01/28/25 09:56	02/04/25 15:06	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	82.6	U	82.6	170	ug/Kg
50-32-8	Benzo(a)pyrene	93.0	U	93.0	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78.1	U	78.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.2	U	81.2	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80.1	U	80.1	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.8	U	86.8	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	132		30 (18) - 130 (112)	88%	SPK: 150
13127-88-3	Phenol-d6	126		30 (15) - 130 (107)	84%	SPK: 150
4165-60-0	Nitrobenzene-d5	91.8		30 (18) - 130 (107)	92%	SPK: 100
321-60-8	2-Fluorobiphenyl	92.9		30 (20) - 130 (109)	93%	SPK: 100
118-79-6	2,4,6-Tribromophenol	142		30 (10) - 130 (116)	95%	SPK: 150
1718-51-0	Terphenyl-d14	85.6		30 (10) - 130 (105)	86%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	79100	6.787
1146-65-2	Naphthalene-d8	318000	8.069
15067-26-2	Acenaphthene-d10	175000	9.828
1517-22-2	Phenanthrene-d10	303000	11.31
1719-03-5	Chrysene-d12	231000	13.957
1520-96-3	Perylene-d12	182000	15.41

TENTATIVE IDENTIFIED COMPOUNDS

004744-10-9	Propane, 1,1-dimethoxy-	120	J		2.16	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166294BL	SDG No.:	Q1194
Lab Sample ID:	PB166294BL	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
BF141408.D	1	01/28/25 09:56	02/04/25 15:06	PB166294

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\BF020425\
Data File : BF141408.D
Acq On : 04 Feb 2025 15:06
Operator : RC/JU
Sample : PB166294BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166294BL

Quant Time: Feb 04 16:08:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	79060	20.000	ng	-0.02
21) Naphthalene-d8	8.069	136	317518	20.000	ng	-0.02
39) Acenaphthene-d10	9.828	164	174923	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	303054	20.000	ng	-0.02
76) Chrysene-d12	13.957	240	230654	20.000	ng	#-0.02
86) Perylene-d12	15.410	264	181526	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	678321	131.718	ng	0.00
7) Phenol-d6	6.428	99	827808	126.359	ng	-0.01
23) Nitrobenzene-d5	7.351	82	552962	91.807	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	228163	142.278	ng	-0.02
45) 2-Fluorobiphenyl	9.145	172	1055957	92.916	ng	-0.02
79) Terphenyl-d14	12.904	244	1280663	85.627	ng	-0.01

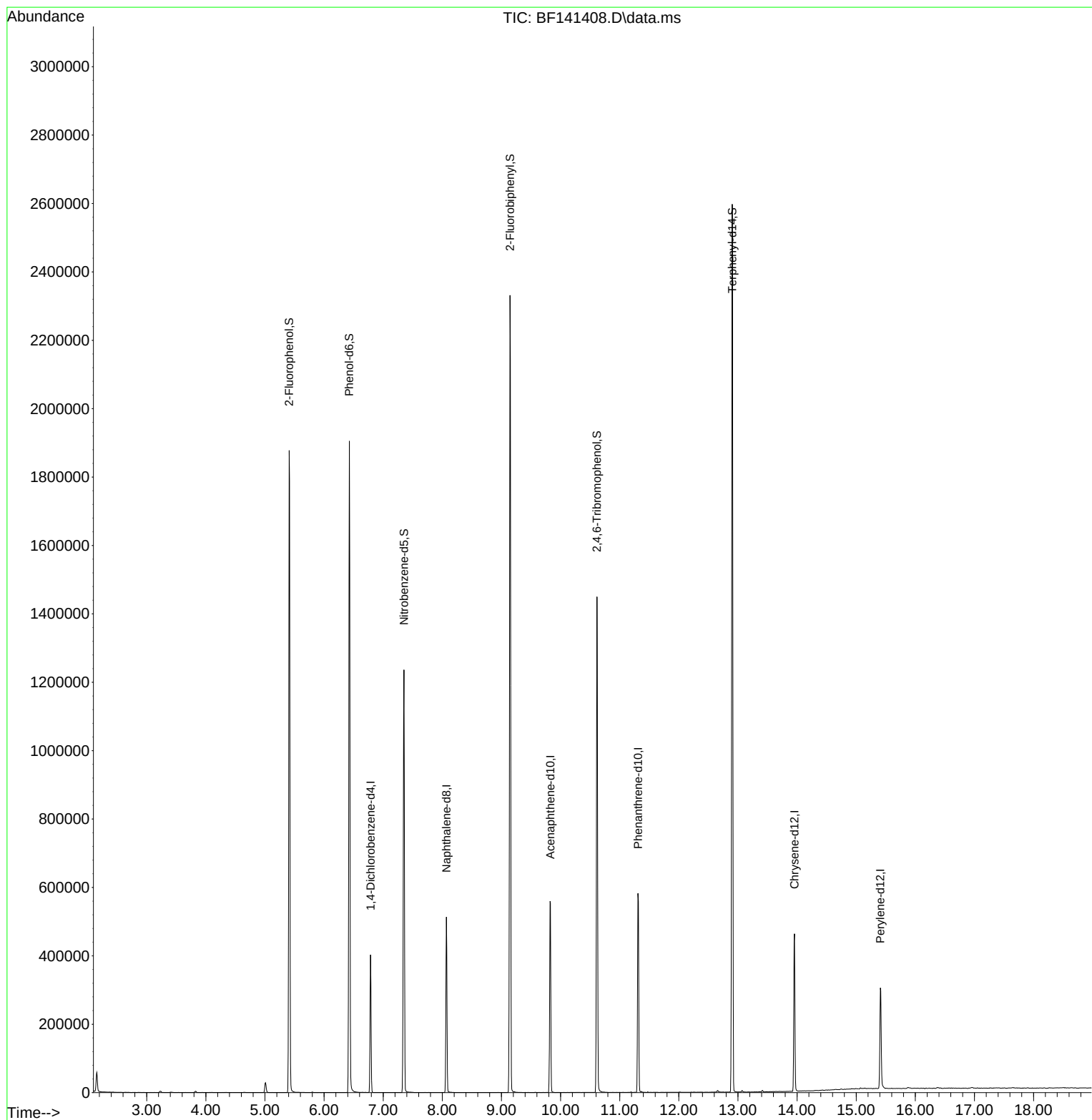
Target Compounds	Qvalue

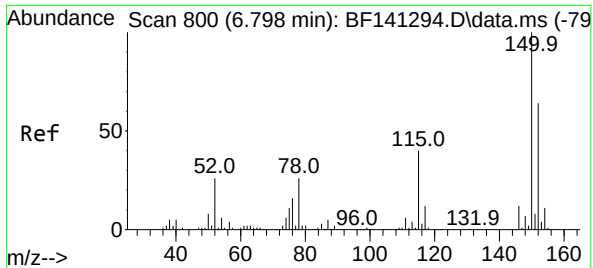
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141408.D
Acq On : 04 Feb 2025 15:06
Operator : RC/JU
Sample : PB166294BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166294BL

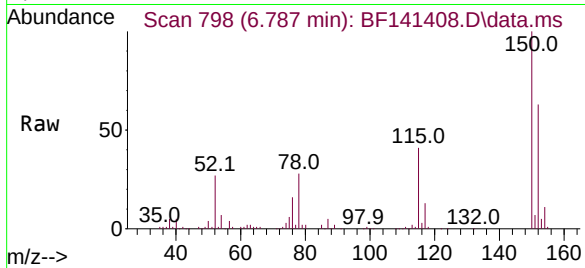
Quant Time: Feb 04 16:08:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration



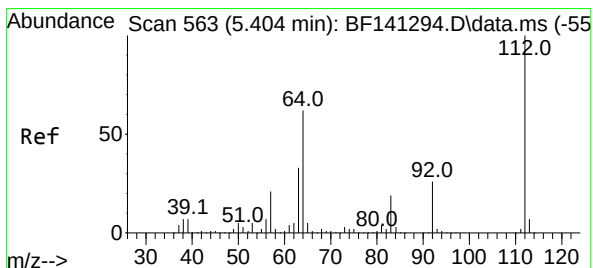
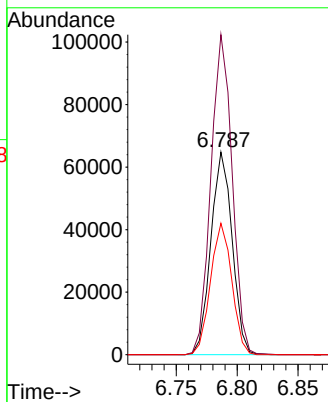
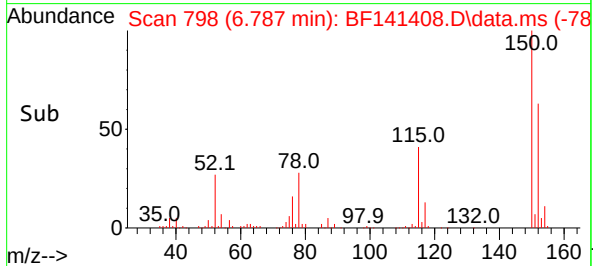


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 79
Delta R.T. -0.017 min
Lab File: BF141408.D
Acq: 04 Feb 2025 15:06

Instrument :
BNA_F
ClientSampleId :
PB166294BL

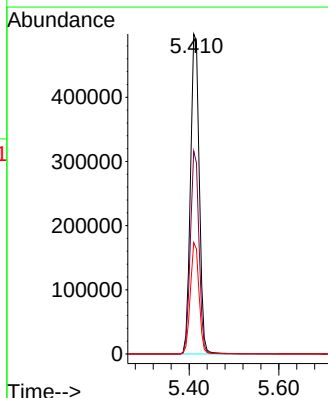
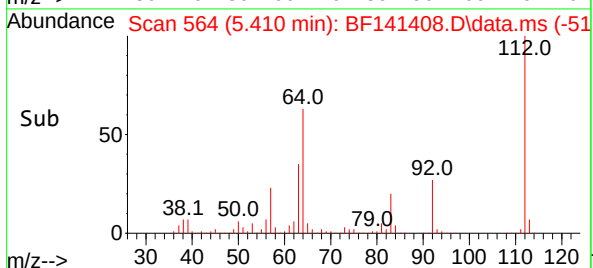
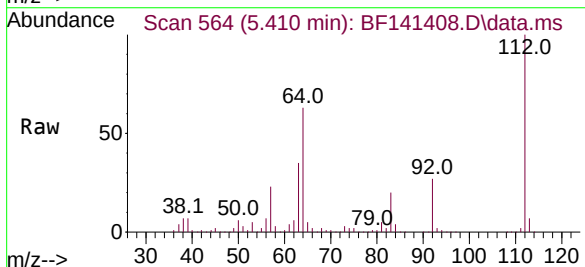


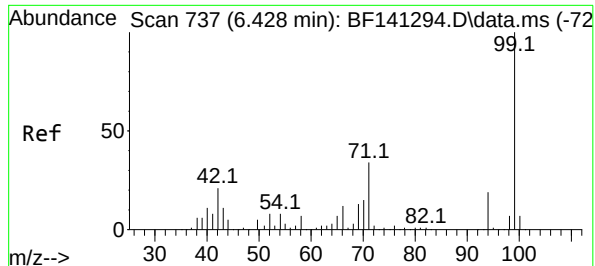
Tgt Ion:152 Resp: 79060
Ion Ratio Lower Upper
152 100
150 158.0 125.9 188.9
115 64.9 49.7 74.5



#5
2-Fluorophenol
Concen: 131.718 ng
RT: 5.410 min Scan# 564
Delta R.T. -0.000 min
Lab File: BF141408.D
Acq: 04 Feb 2025 15:06

Tgt Ion:112 Resp: 678321
Ion Ratio Lower Upper
112 100
64 63.4 49.8 74.8
63 34.8 26.1 39.1

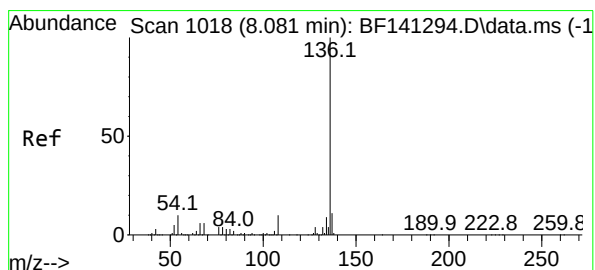
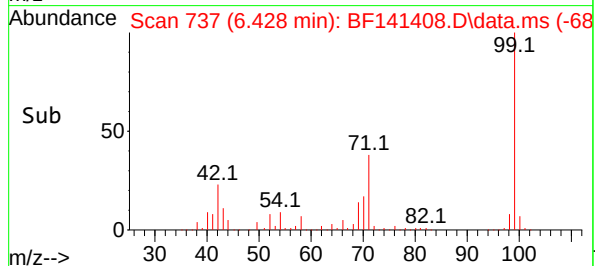
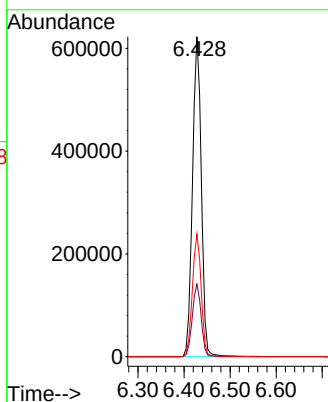
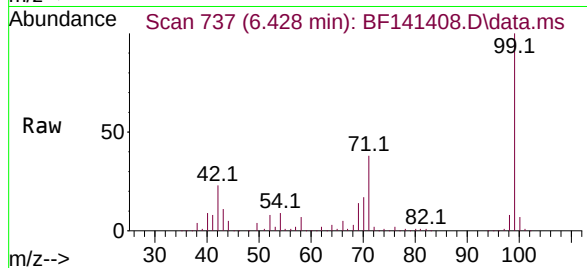




#7
Phenol-d6
Concen: 126.359 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141408.D
Acq: 04 Feb 2025 15:06

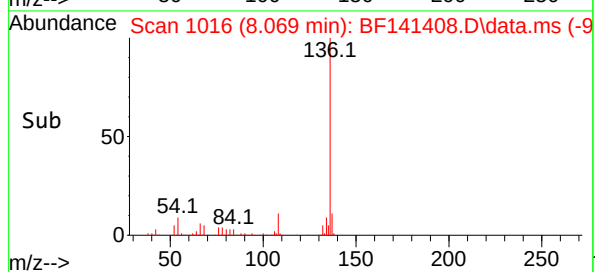
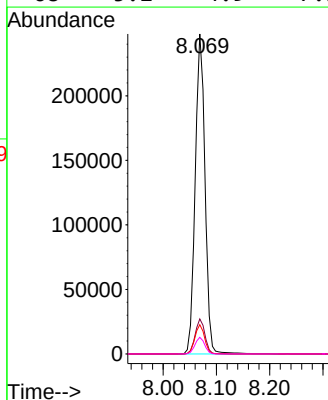
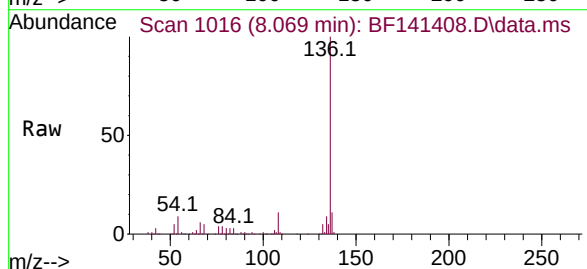
Instrument :
BNA_F
ClientSampleId :
PB166294BL

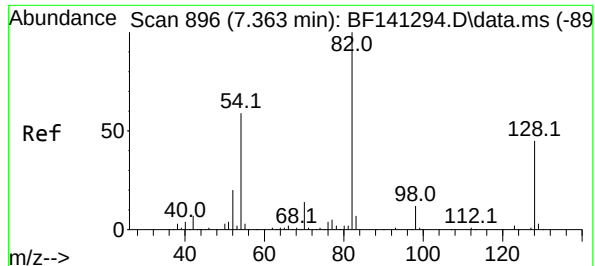
Tgt Ion: 99 Resp: 827808
Ion Ratio Lower Upper
99 100
42 22.6 17.1 25.7
71 38.3 26.9 40.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.018 min
Lab File: BF141408.D
Acq: 04 Feb 2025 15:06

Tgt Ion: 136 Resp: 317518
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 9.2 7.8 11.8
68 5.2 4.9 7.3





#23

Nitrobenzene-d5

Concen: 91.807 ng

RT: 7.351 min Scan# 89

Delta R.T. -0.018 min

Lab File: BF141408.D

Acq: 04 Feb 2025 15:06

Instrument :

BNA_F

ClientSampleId :

PB166294BL

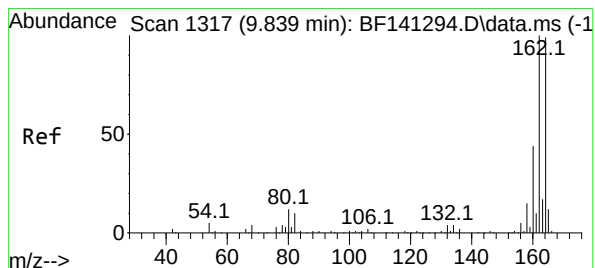
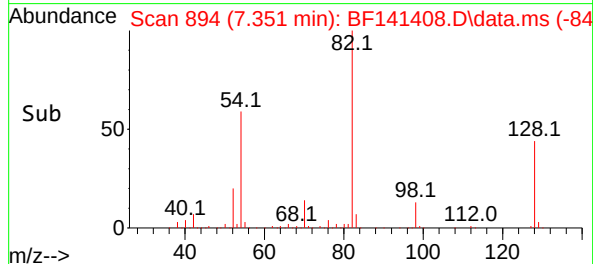
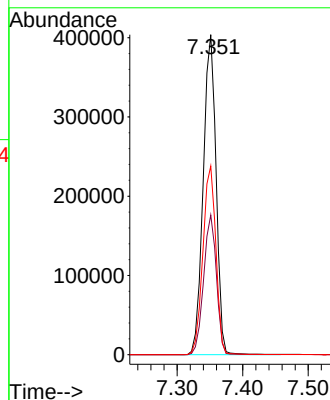
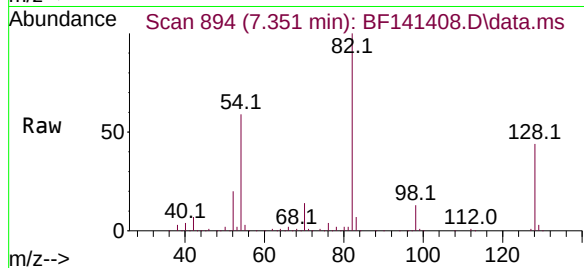
Tgt Ion: 82 Resp: 552962

Ion Ratio Lower Upper

82 100

128 43.6 35.7 53.5

54 59.0 47.1 70.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.828 min Scan# 1315

Delta R.T. -0.012 min

Lab File: BF141408.D

Acq: 04 Feb 2025 15:06

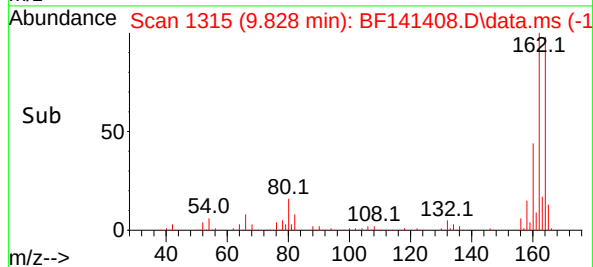
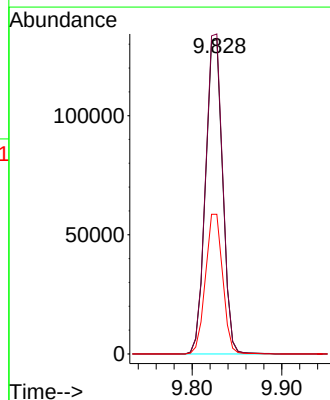
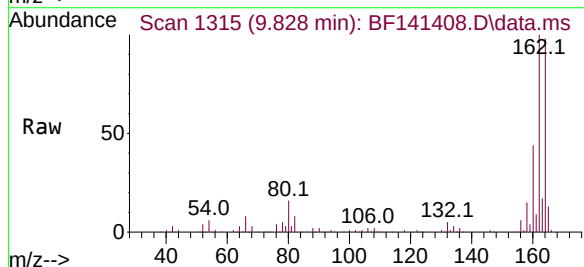
Tgt Ion:164 Resp: 174923

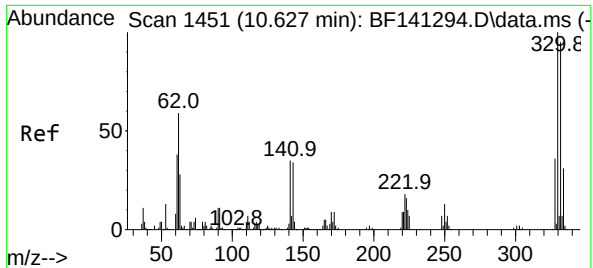
Ion Ratio Lower Upper

164 100

162 101.8 80.6 121.0

160 44.4 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 142.278 ng

RT: 10.616 min Scan# 1449

Delta R.T. -0.018 min

Lab File: BF141408.D

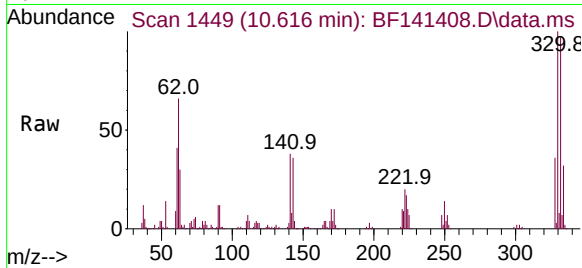
Acq: 04 Feb 2025 15:06

Instrument :

BNA_F

ClientSampleId :

PB166294BL



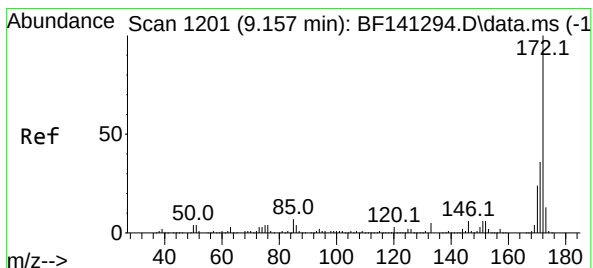
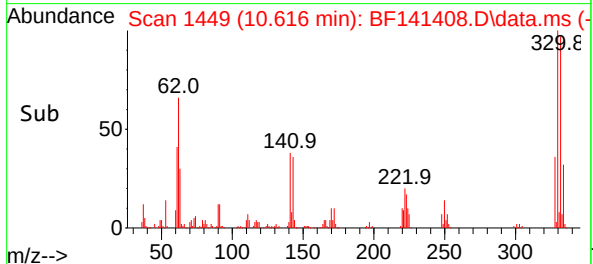
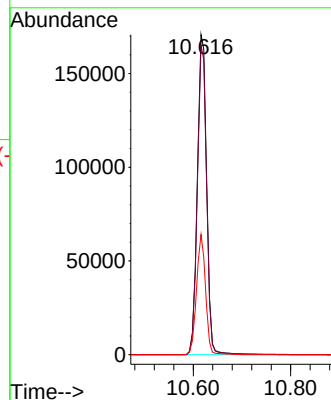
Tgt Ion:330 Resp: 228163

Ion Ratio Lower Upper

330 100

332 96.3 76.1 114.1

141 36.5 28.8 43.2



#45

2-Fluorobiphenyl

Concen: 92.916 ng

RT: 9.145 min Scan# 1199

Delta R.T. -0.018 min

Lab File: BF141408.D

Acq: 04 Feb 2025 15:06

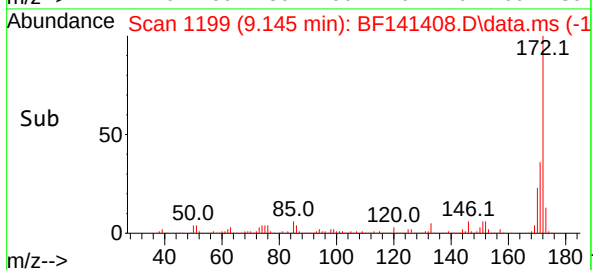
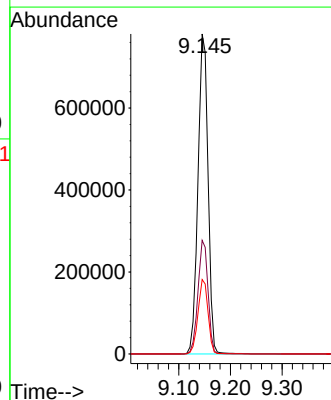
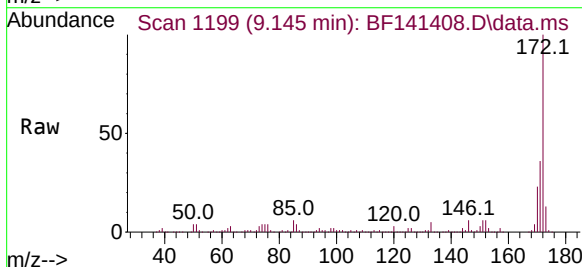
Tgt Ion:172 Resp: 1055957

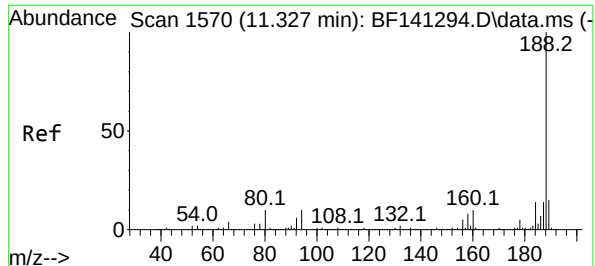
Ion Ratio Lower Upper

172 100

171 35.5 28.8 43.2

170 23.3 19.0 28.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.310 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF141408.D

Acq: 04 Feb 2025 15:06

Instrument :

BNA_F

ClientSampleId :

PB166294BL

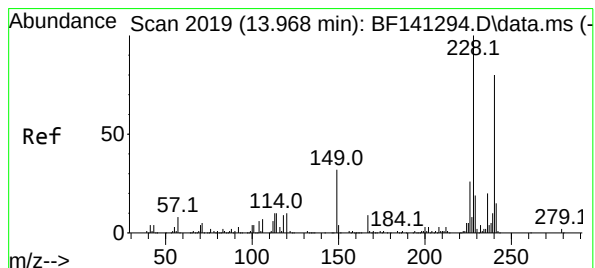
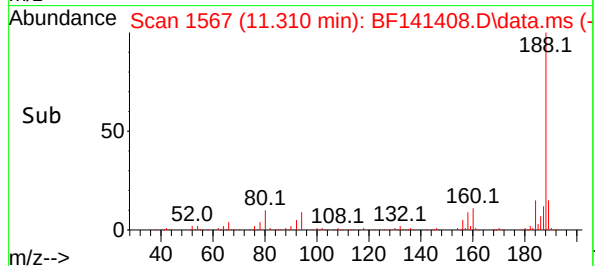
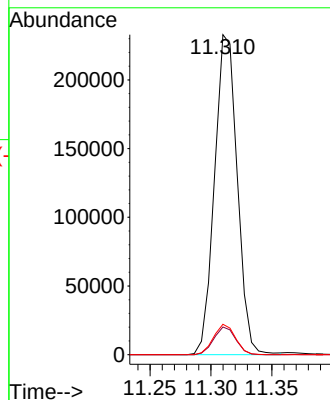
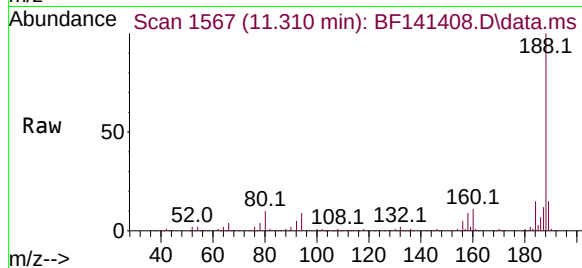
Tgt Ion:188 Resp: 303054

Ion Ratio Lower Upper

188 100

94 8.7 7.8 11.6

80 9.5 8.2 12.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.957 min Scan# 2017

Delta R.T. -0.018 min

Lab File: BF141408.D

Acq: 04 Feb 2025 15:06

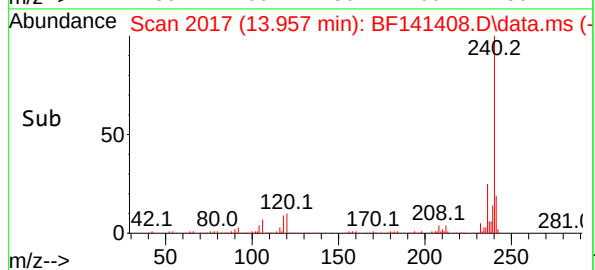
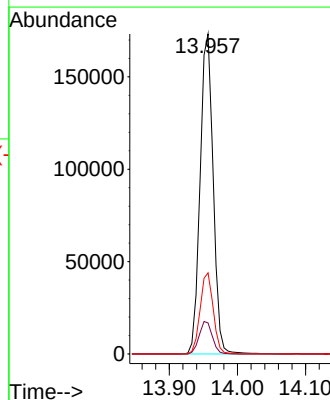
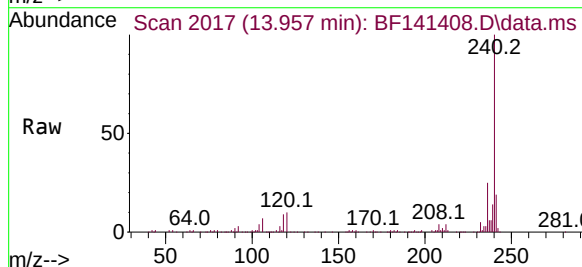
Tgt Ion:240 Resp: 230654

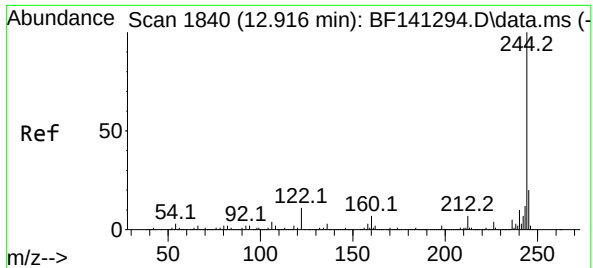
Ion Ratio Lower Upper

240 100

120 9.7 10.0 15.0#

236 25.4 19.7 29.5





#79

Terphenyl-d14

Concen: 85.627 ng

RT: 12.904 min Scan# 1838

Delta R.T. -0.012 min

Lab File: BF141408.D

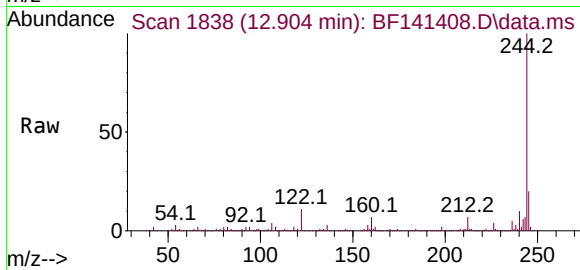
Acq: 04 Feb 2025 15:06

Instrument :

BNA_F

ClientSampleId :

PB166294BL



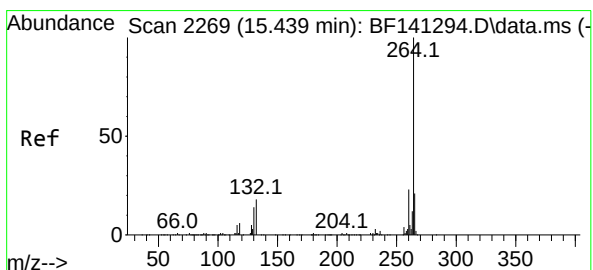
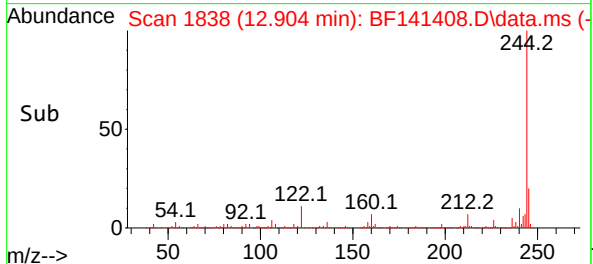
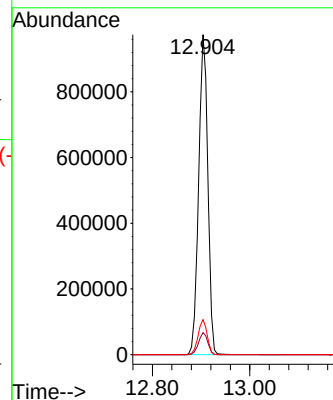
Tgt Ion:244 Resp: 1280663

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

122 11.0 8.8 13.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.410 min Scan# 2264

Delta R.T. -0.030 min

Lab File: BF141408.D

Acq: 04 Feb 2025 15:06

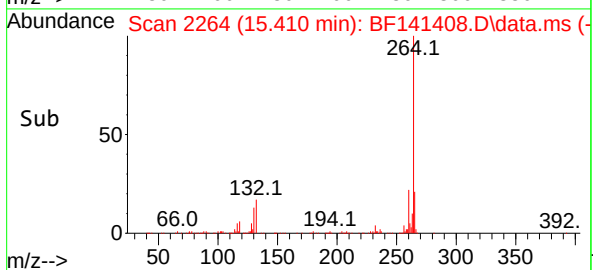
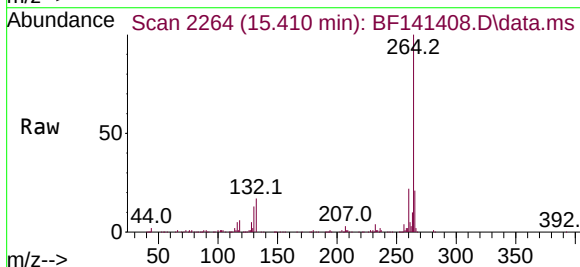
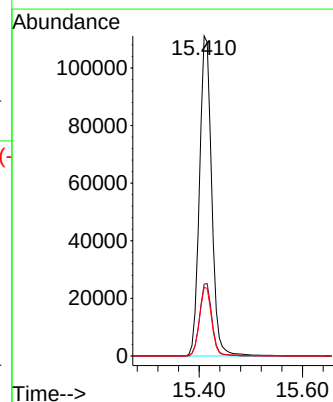
Tgt Ion:264 Resp: 181526

Ion Ratio Lower Upper

264 100

260 22.5 18.6 27.8

265 21.4 16.7 25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
 Data File : BF141408.D
 Acq On : 04 Feb 2025 15:06
 Operator : RC/JU
 Sample : PB166294BL
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB166294BL

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-BF012925.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141408.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.157	5	11	17	rVB	55221	84730	2.50%	0.447%
2	5.010	490	496	503	rBV	28766	45988	1.36%	0.243%
3	5.410	559	564	585	rBV	1877248	2519570	74.44%	13.292%
4	6.428	731	737	757	rBV	1904932	2536447	74.94%	13.381%
5	6.787	793	798	803	rBV	402329	487504	14.40%	2.572%
6	7.351	887	894	899	rBV	1236119	1684732	49.78%	8.888%
7	8.069	1011	1016	1028	rBV	513059	648008	19.15%	3.418%
8	9.145	1193	1199	1205	rBV	2331183	3103486	91.70%	16.372%
9	9.822	1309	1314	1320	rBV	559095	735775	21.74%	3.881%
10	10.616	1443	1449	1474	rBV	1449246	1884706	55.69%	9.943%
11	11.310	1562	1567	1575	rBV	581584	749720	22.15%	3.955%
12	12.904	1832	1838	1843	rBV	2596447	3384550	100.00%	17.855%
13	13.957	2011	2017	2030	rBV	460587	614395	18.15%	3.241%
14	15.410	2258	2264	2278	rVB	294071	476338	14.07%	2.513%

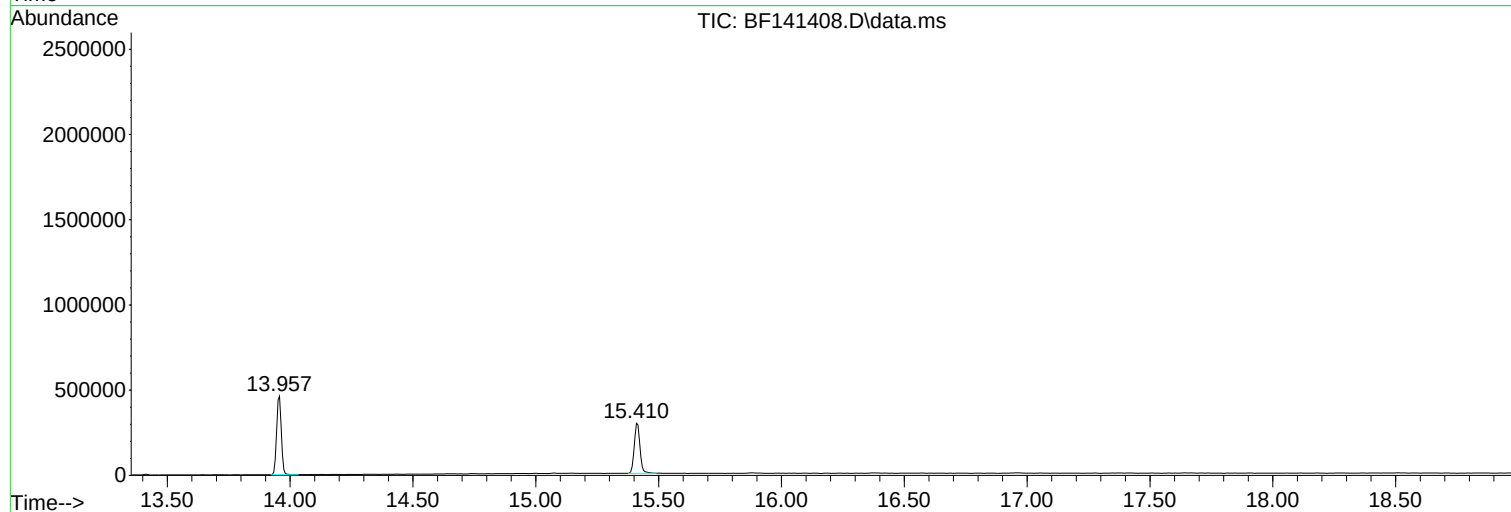
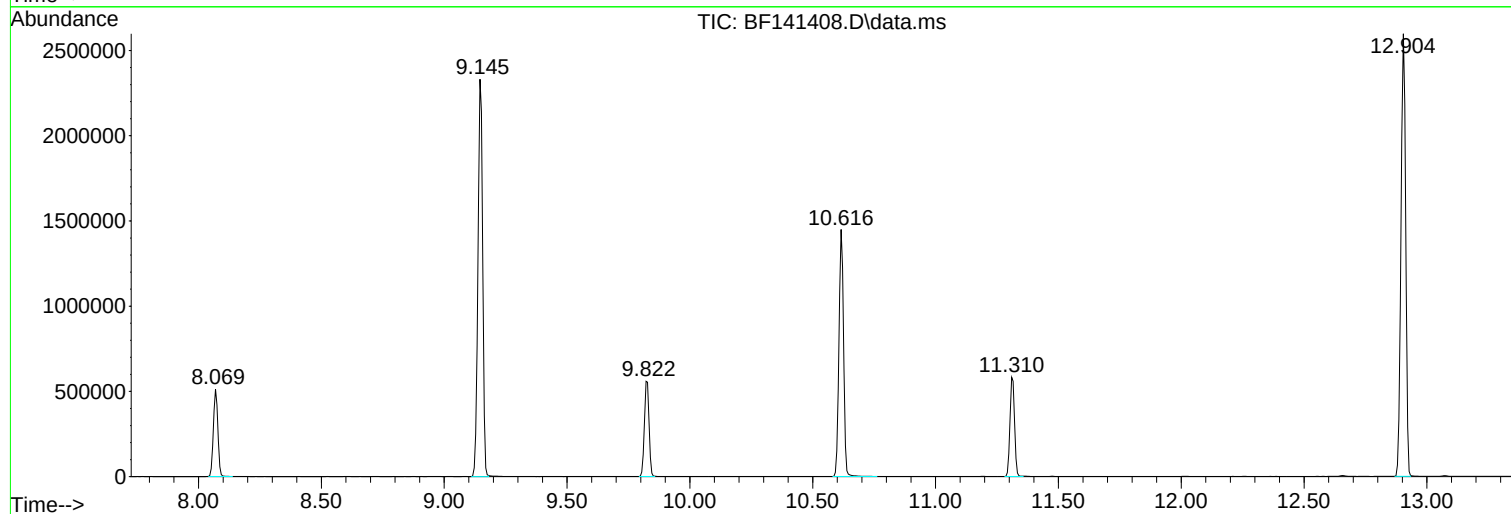
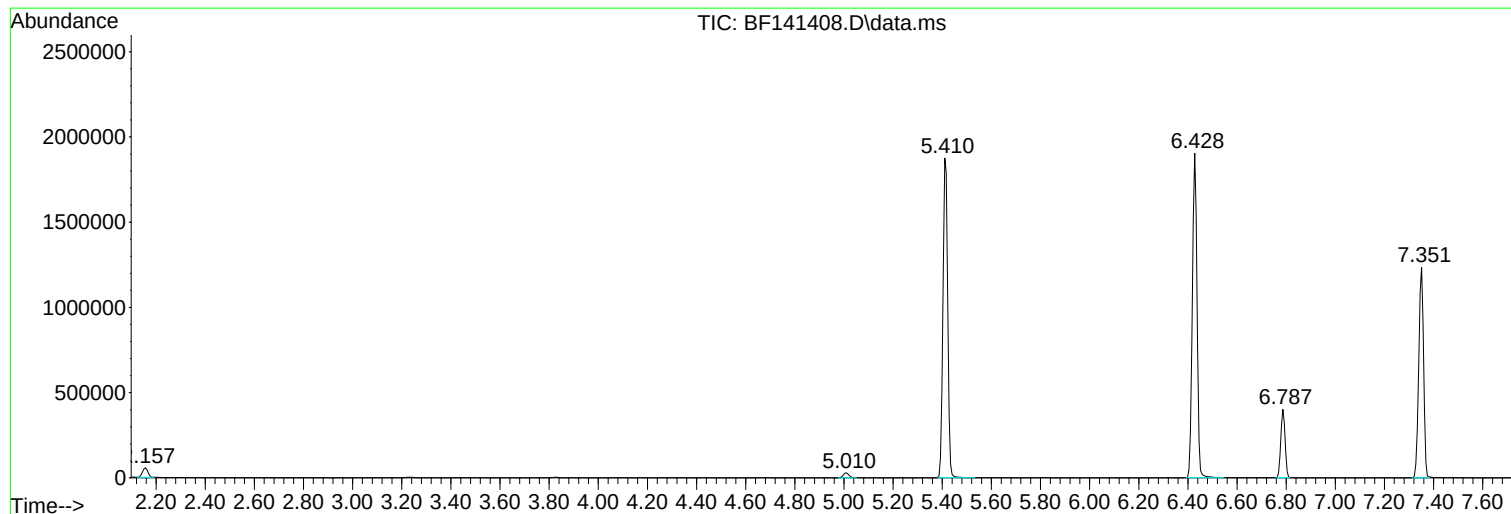
Sum of corrected areas: 18955949

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141408.D
Acq On : 04 Feb 2025 15:06
Operator : RC/JU
Sample : PB166294BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166294BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.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\BF020425\
Data File : BF141408.D
Acq On : 04 Feb 2025 15:06
Operator : RC/JU
Sample : PB166294BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166294BL

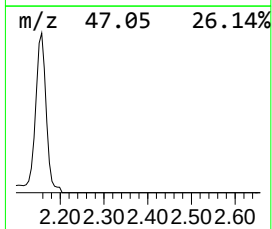
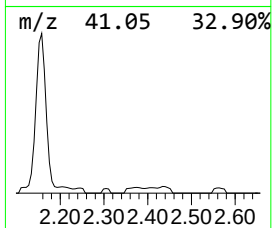
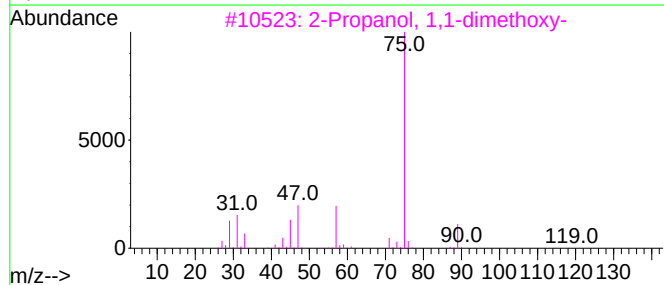
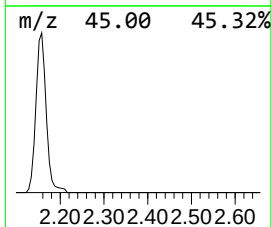
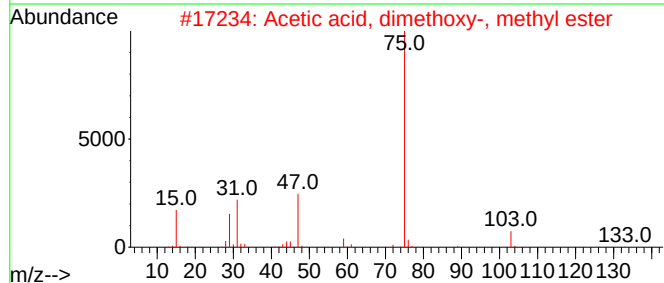
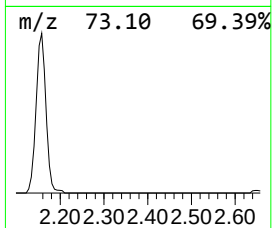
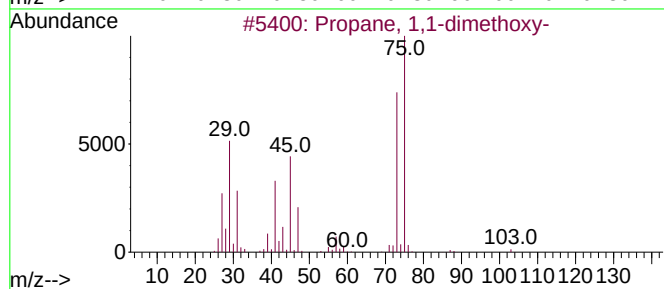
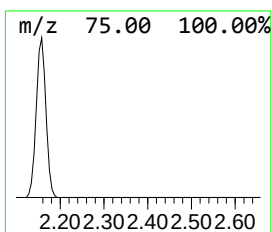
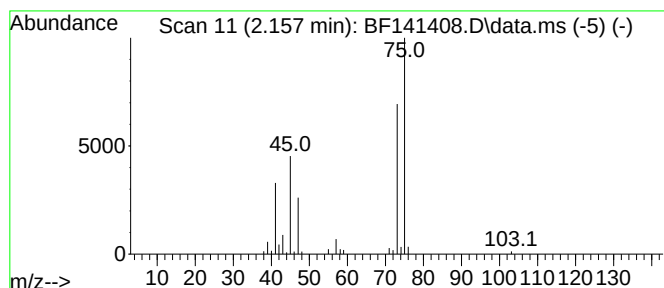
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Propane, 1,1-dimethoxy- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.157	3.48 ng	84730	1,4-Dichlorobenzene-d4	6.787

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Propane, 1,1-dimethoxy-	104	C5H12O2	004744-10-9	74
2			Acetic acid, dimethoxy-, methyl ...	134	C5H10O4	000089-91-8	40
3			2-Propanol, 1,1-dimethoxy-	120	C5H12O3	042919-42-6	36
4			Pentane, 3-methoxy-	102	C6H14O	036839-67-5	22
5			Thiocyanic acid, methyl ester	73	C2H3NS	000556-64-9	9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141408.D
Acq On : 04 Feb 2025 15:06
Operator : RC/JU
Sample : PB166294BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166294BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.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
Propane, 1,1-di...	2.157	3.5	ng	84730	1	6.787	487504	20.0

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166339BL	SDG No.:	Q1194
Lab Sample ID:	PB166339BL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141312.D	1	01/29/25 08:40	01/30/25 14:32	PB166339

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	4.00	U	4.00	10.0	ug/L
108-95-2	Phenol	0.93	U	0.93	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.20	U	1.20	5.00	ug/L
95-57-8	2-Chlorophenol	0.71	U	0.71	5.00	ug/L
95-48-7	2-Methylphenol	1.10	U	1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.40	U	1.40	5.00	ug/L
98-86-2	Acetophenone	1.10	U	1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	1.20	U	1.20	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.50	U	1.50	2.50	ug/L
67-72-1	Hexachloroethane	1.00	U	1.00	5.00	ug/L
98-95-3	Nitrobenzene	1.30	U	1.30	5.00	ug/L
78-59-1	Isophorone	1.10	U	1.10	5.00	ug/L
88-75-5	2-Nitrophenol	2.00	U	2.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	1.50	U	1.50	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1.00	U	1.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	0.88	U	0.88	5.00	ug/L
91-20-3	Naphthalene	1.00	U	1.00	5.00	ug/L
106-47-8	4-Chloroaniline	1.30	U	1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	1.30	U	1.30	5.00	ug/L
105-60-2	Caprolactam	1.70	U	1.70	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	0.84	U	0.84	5.00	ug/L
91-57-6	2-Methylnaphthalene	1.10	U	1.10	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	5.00	U	5.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	0.89	U	0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	1.00	U	1.00	5.00	ug/L
92-52-4	1,1-Biphenyl	0.91	U	0.91	5.00	ug/L
91-58-7	2-Chloronaphthalene	0.97	U	0.97	5.00	ug/L
88-74-4	2-Nitroaniline	1.40	U	1.40	5.00	ug/L
131-11-3	Dimethylphthalate	0.93	U	0.93	5.00	ug/L

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166339BL	SDG No.:	Q1194
Lab Sample ID:	PB166339BL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141312.D	1	01/29/25 08:40	01/30/25 14:32	PB166339

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	1.00	U	1.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	1.20	U	1.20	5.00	ug/L
99-09-2	3-Nitroaniline	1.40	U	1.40	5.00	ug/L
83-32-9	Acenaphthene	0.81	U	0.81	5.00	ug/L
51-28-5	2,4-Dinitrophenol	6.40	U	6.40	10.0	ug/L
100-02-7	4-Nitrophenol	2.00	U	2.00	10.0	ug/L
132-64-9	Dibenzofuran	0.93	U	0.93	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	1.50	U	1.50	5.00	ug/L
84-66-2	Diethylphthalate	1.00	U	1.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.98	U	0.98	5.00	ug/L
86-73-7	Fluorene	0.96	U	0.96	5.00	ug/L
100-01-6	4-Nitroaniline	2.00	U	2.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.10	U	3.10	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	0.89	U	0.89	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	0.95	U	0.95	5.00	ug/L
118-74-1	Hexachlorobenzene	1.10	U	1.10	5.00	ug/L
1912-24-9	Atrazine	1.30	U	1.30	5.00	ug/L
87-86-5	Pentachlorophenol	1.90	U	1.90	10.0	ug/L
85-01-8	Phenanthrene	0.89	U	0.89	5.00	ug/L
120-12-7	Anthracene	1.10	U	1.10	5.00	ug/L
86-74-8	Carbazole	1.20	U	1.20	5.00	ug/L
84-74-2	Di-n-butylphthalate	1.50	U	1.50	5.00	ug/L
206-44-0	Fluoranthene	1.30	U	1.30	5.00	ug/L
129-00-0	Pyrene	1.10	U	1.10	5.00	ug/L
85-68-7	Butylbenzylphthalate	2.10	U	2.10	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	1.30	U	1.30	10.0	ug/L
56-55-3	Benzo(a)anthracene	0.94	U	0.94	5.00	ug/L
218-01-9	Chrysene	0.86	U	0.86	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.90	U	1.90	5.00	ug/L
117-84-0	Di-n-octyl phthalate	2.50	U	2.50	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	1.10	U	1.10	5.00	ug/L

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166339BL	SDG No.:	Q1194
Lab Sample ID:	PB166339BL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141312.D	1	01/29/25 08:40	01/30/25 14:32	PB166339

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	1.20	U	1.20	5.00	ug/L
50-32-8	Benzo(a)pyrene	1.70	U	1.70	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1.00	U	1.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.20	U	1.20	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	1.20	U	1.20	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.10	U	1.10	5.00	ug/L
123-91-1	1,4-Dioxane	1.30	U	1.30	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.79	U	0.79	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	120		15 (10) - 110 (139)	80%	SPK: 150
13127-88-3	Phenol-d6	117		15 (10) - 110 (134)	78%	SPK: 150
4165-60-0	Nitrobenzene-d5	81.4		30 (49) - 130 (133)	81%	SPK: 100
321-60-8	2-Fluorobiphenyl	78.3		30 (52) - 130 (132)	78%	SPK: 100
118-79-6	2,4,6-Tribromophenol	120		15 (44) - 110 (137)	80%	SPK: 150
1718-51-0	Terphenyl-d14	81.6		30 (48) - 130 (125)	82%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	146000	6.798			
1146-65-2	Naphthalene-d8	600000	8.081			
15067-26-2	Acenaphthene-d10	324000	9.834			
1517-22-2	Phenanthrene-d10	552000	11.322			
1719-03-5	Chrysene-d12	345000	13.963			
1520-96-3	Perylene-d12	288000	15.439			
TENTATIVE IDENTIFIED COMPOUNDS						
004744-10-9	Propane, 1,1-dimethoxy-	3.20	J		2.21	ug/L

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166339BL	SDG No.:	Q1194
Lab Sample ID:	PB166339BL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141312.D	1	01/29/25 08:40	01/30/25 14:32	PB166339

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013025\
Data File : BF141312.D
Acq On : 30 Jan 2025 14:32
Operator : RC/JU
Sample : PB166339BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166339BL

Quant Time: Jan 30 14:56:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	146115	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	599878	20.000	ng	0.00
39) Acenaphthene-d10	9.834	164	324432	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	552085	20.000	ng	0.00
76) Chrysene-d12	13.963	240	345336	20.000	ng	-0.01
86) Perylene-d12	15.439	264	288136	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	1139750	119.751	ng	0.00
7) Phenol-d6	6.422	99	1418217	117.134	ng	-0.02
23) Nitrobenzene-d5	7.357	82	926335	81.405	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	357023	120.036	ng	-0.01
45) 2-Fluorobiphenyl	9.157	172	1650886	78.322	ng	0.00
79) Terphenyl-d14	12.916	244	1827244	81.600	ng	0.00

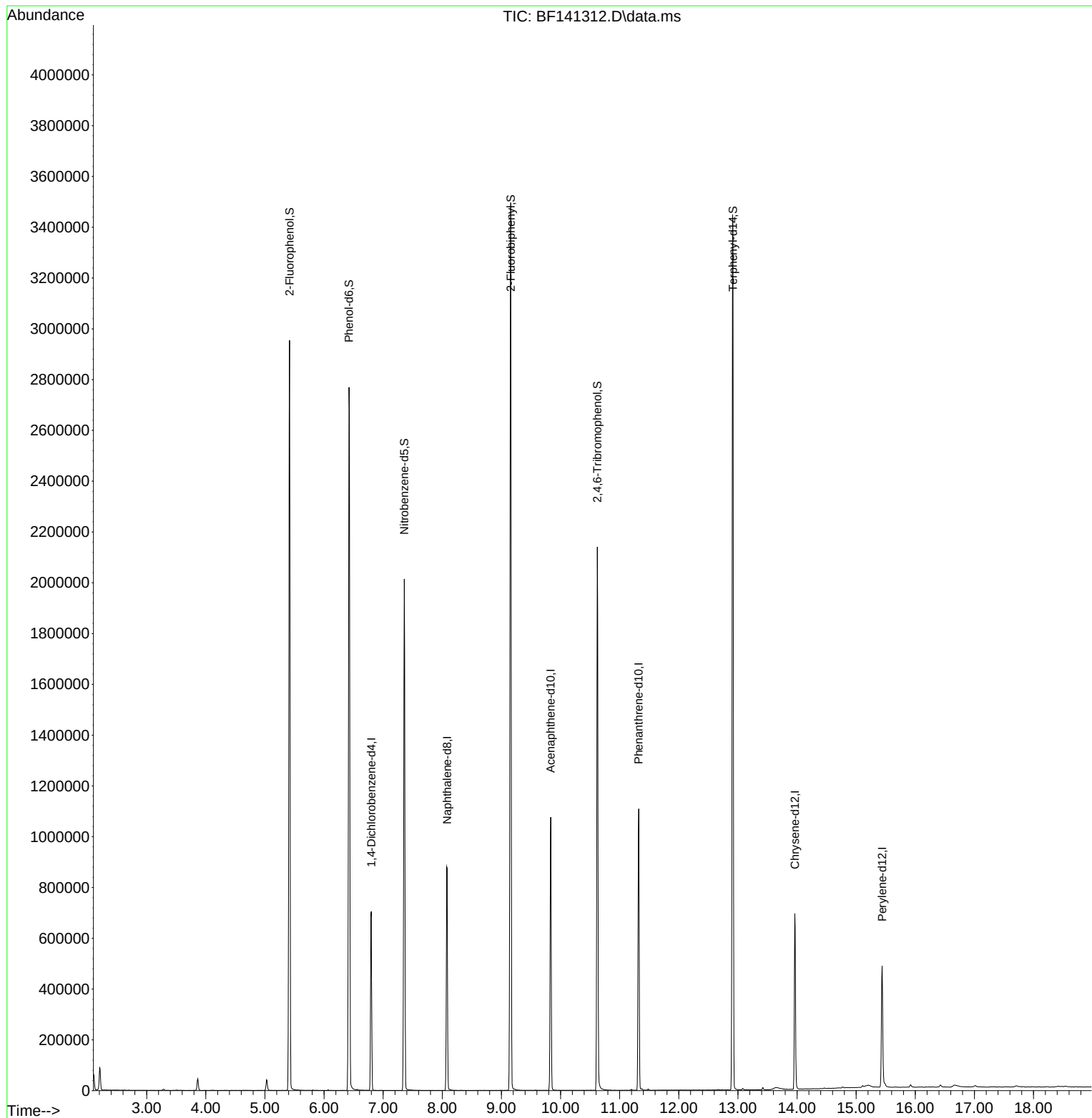
Target Compounds	Qvalue

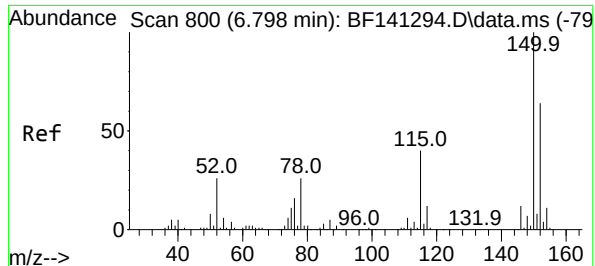
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013025\
Data File : BF141312.D
Acq On : 30 Jan 2025 14:32
Operator : RC/JU
Sample : PB166339BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166339BL

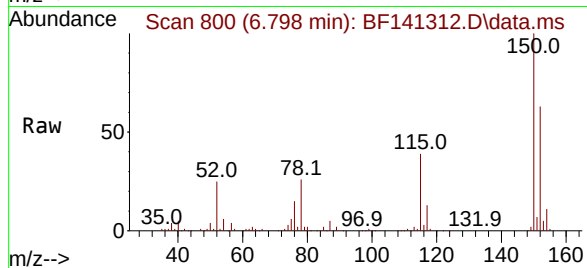
Quant Time: Jan 30 14:56:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration



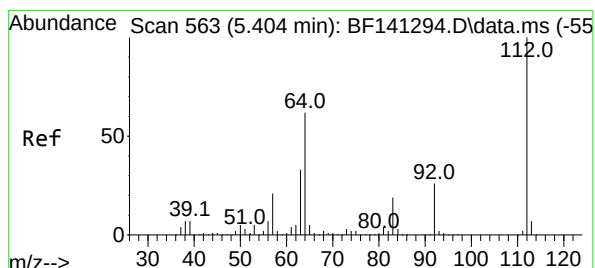
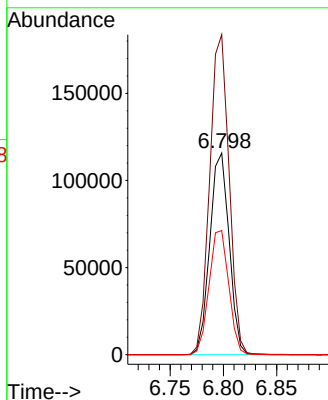
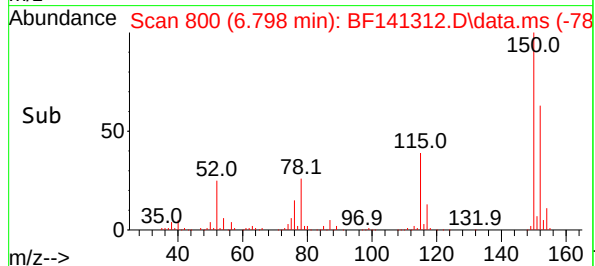


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF141312.D
Acq: 30 Jan 2025 14:32

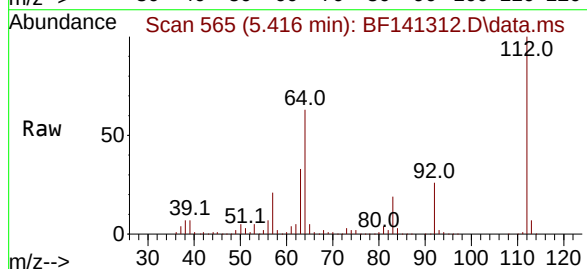
Instrument :
BNA_F
ClientSampleId :
PB166339BL



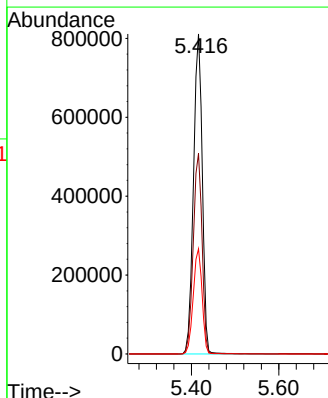
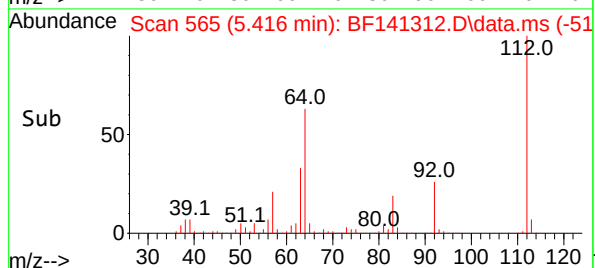
Tgt Ion:152 Resp: 146115
Ion Ratio Lower Upper
152 100
150 158.7 125.9 188.9
115 61.6 49.7 74.5

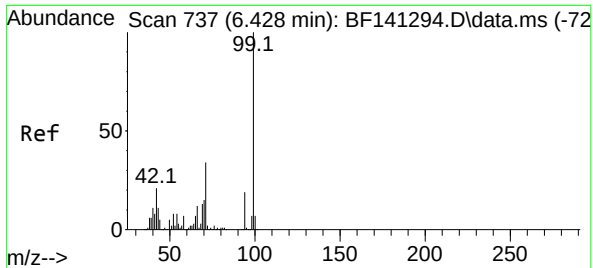


#5
2-Fluorophenol
Concen: 119.751 ng
RT: 5.416 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF141312.D
Acq: 30 Jan 2025 14:32



Tgt Ion:112 Resp: 1139750
Ion Ratio Lower Upper
112 100
64 62.7 49.8 74.8
63 32.8 26.1 39.1

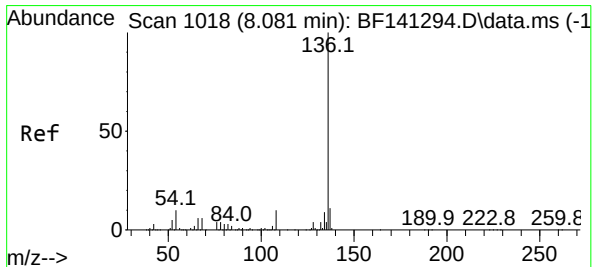
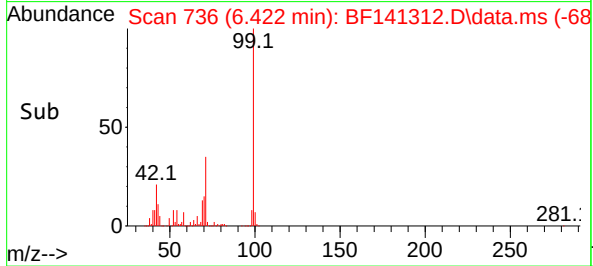
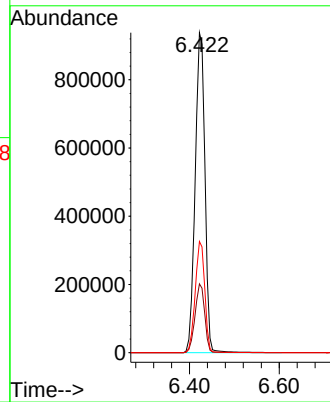
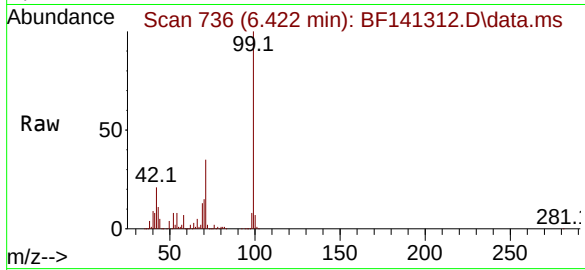




#7
Phenol-d6
Concen: 117.134 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF141312.D
Acq: 30 Jan 2025 14:32

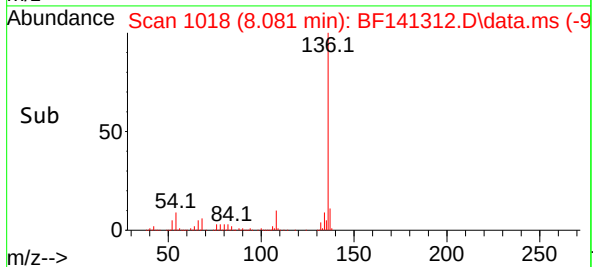
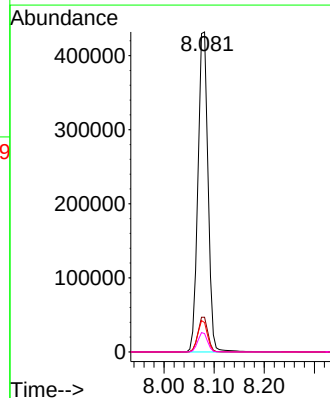
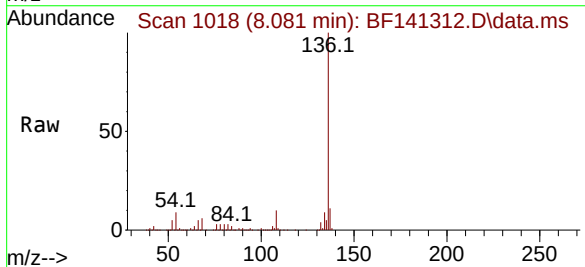
Instrument :
BNA_F
ClientSampleId :
PB166339BL

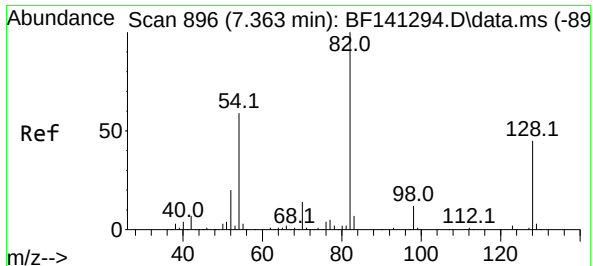
Tgt Ion: 99 Resp: 1418217
Ion Ratio Lower Upper
99 100
42 21.5 17.1 25.7
71 34.7 26.9 40.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF141312.D
Acq: 30 Jan 2025 14:32

Tgt Ion: 136 Resp: 599878
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 9.2 7.8 11.8
68 5.8 4.9 7.3





#23

Nitrobenzene-d5

Concen: 81.405 ng

RT: 7.357 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF141312.D

Acq: 30 Jan 2025 14:32

Instrument :

BNA_F

ClientSampleId :

PB166339BL

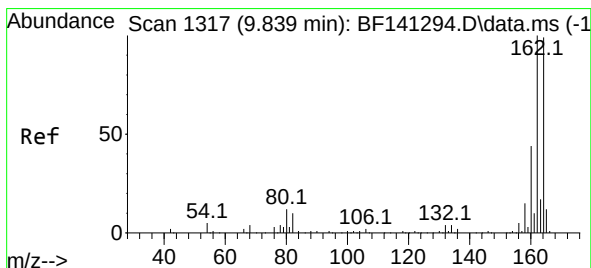
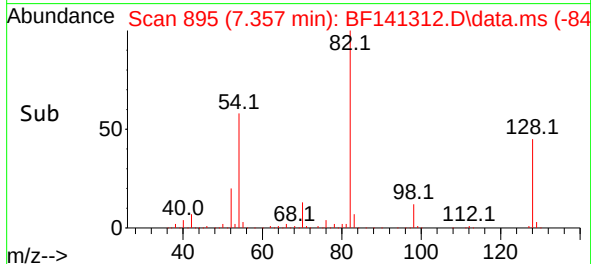
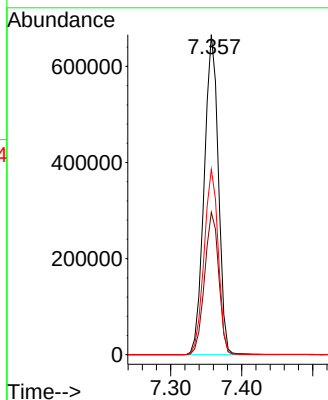
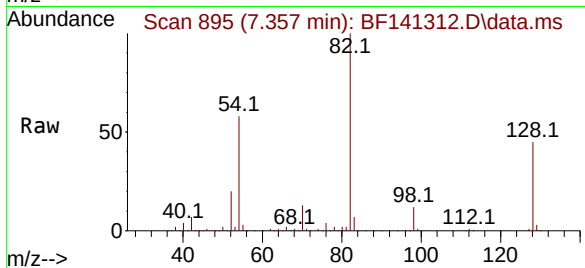
Tgt Ion: 82 Resp: 926335

Ion Ratio Lower Upper

82 100

128 44.5 35.7 53.5

54 58.0 47.1 70.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.834 min Scan# 1316

Delta R.T. -0.006 min

Lab File: BF141312.D

Acq: 30 Jan 2025 14:32

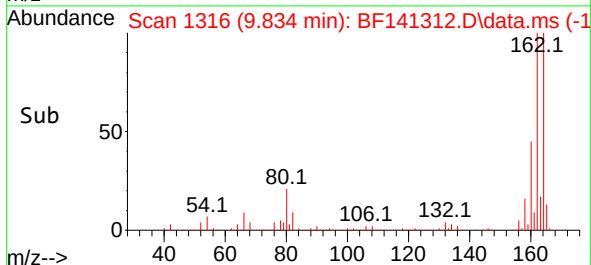
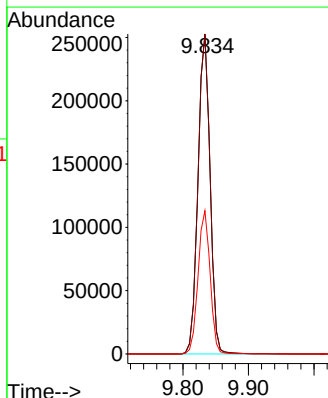
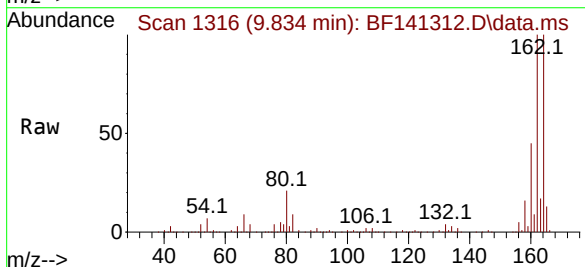
Tgt Ion:164 Resp: 324432

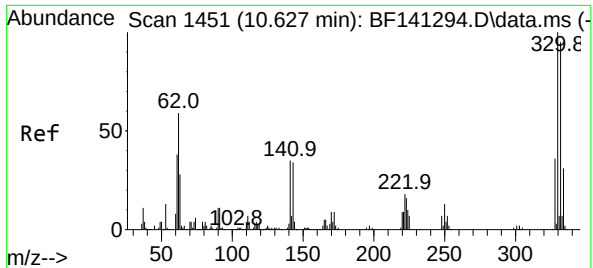
Ion Ratio Lower Upper

164 100

162 100.3 80.6 121.0

160 44.9 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 120.036 ng

RT: 10.622 min Scan# 1451

Delta R.T. -0.012 min

Lab File: BF141312.D

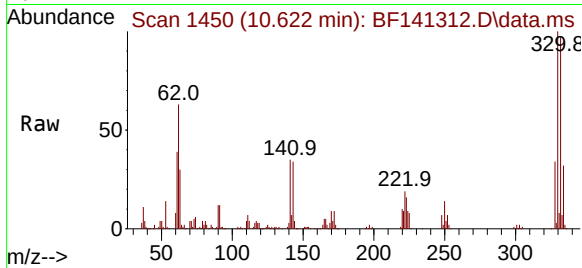
Acq: 30 Jan 2025 14:32

Instrument :

BNA_F

ClientSampleId :

PB166339BL



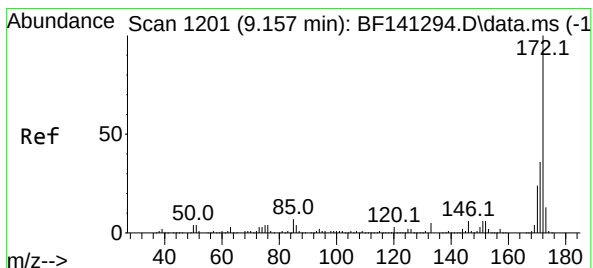
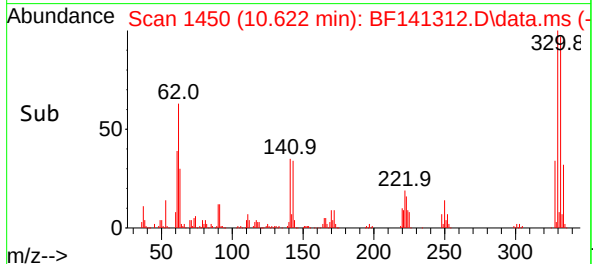
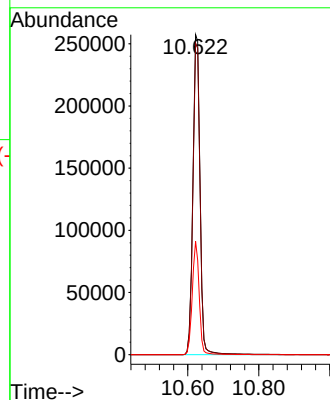
Tgt Ion:330 Resp: 357023

Ion Ratio Lower Upper

330 100

332 96.9 76.1 114.1

141 34.4 28.8 43.2



#45

2-Fluorobiphenyl

Concen: 78.322 ng

RT: 9.157 min Scan# 1201

Delta R.T. -0.006 min

Lab File: BF141312.D

Acq: 30 Jan 2025 14:32

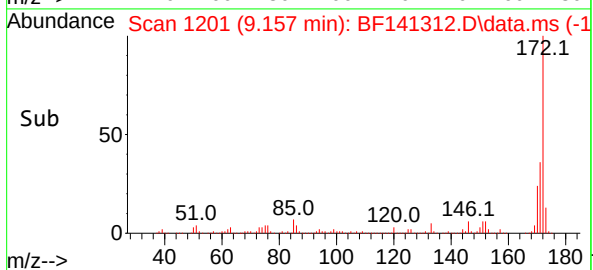
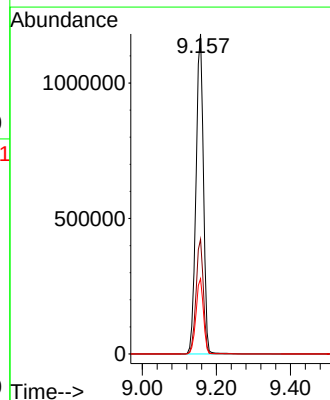
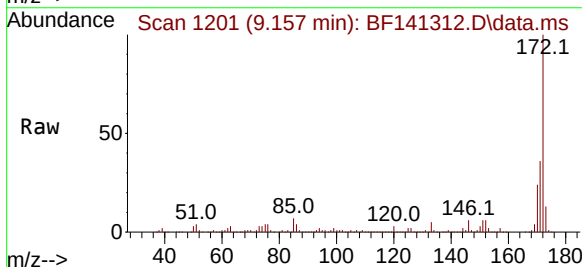
Tgt Ion:172 Resp: 1650886

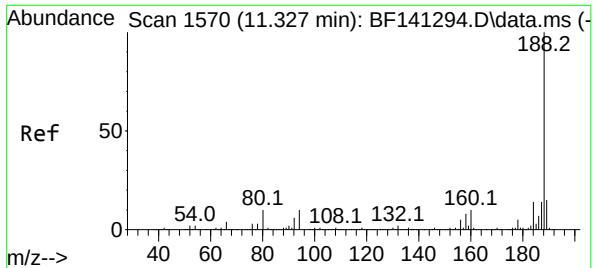
Ion Ratio Lower Upper

172 100

171 35.8 28.8 43.2

170 23.5 19.0 28.6

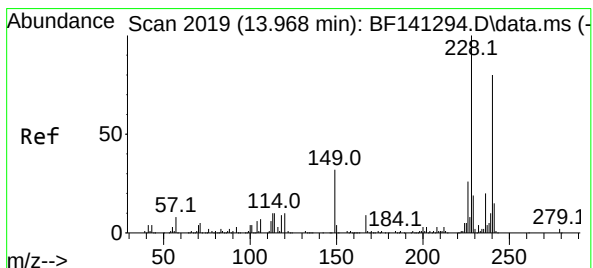
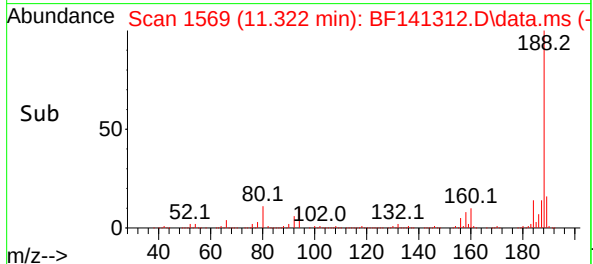
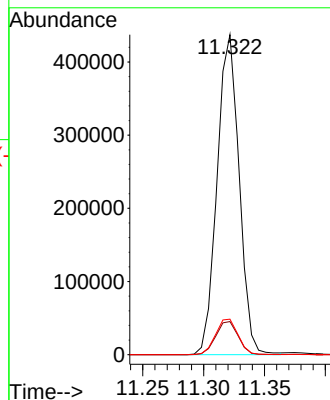
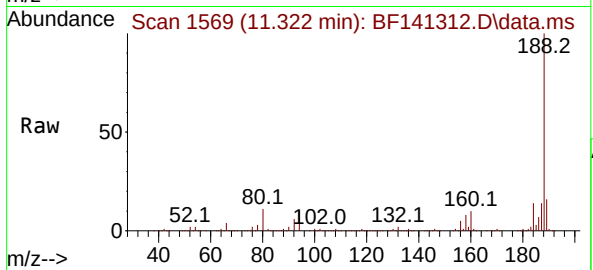




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF141312.D
Acq: 30 Jan 2025 14:32

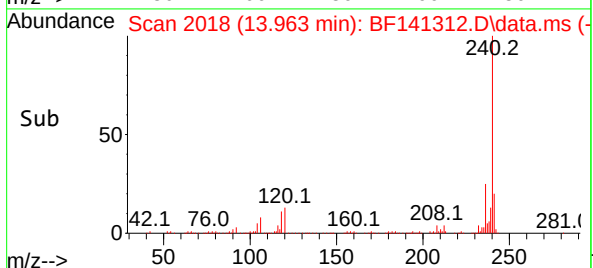
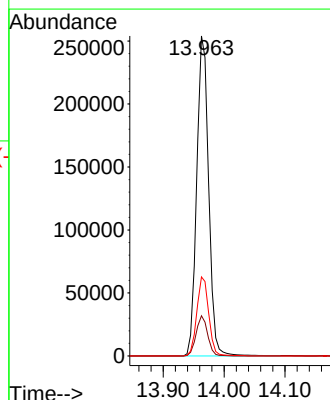
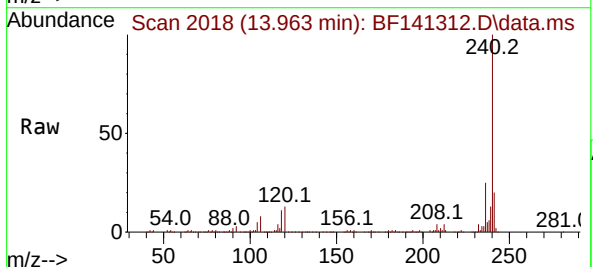
Instrument :
BNA_F
ClientSampleId :
PB166339BL

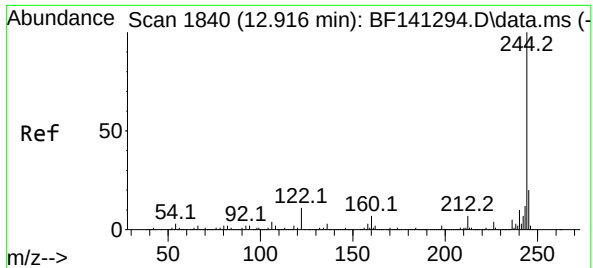
Tgt Ion:188 Resp: 552085
Ion Ratio Lower Upper
188 100
94 10.4 7.8 11.6
80 11.1 8.2 12.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF141312.D
Acq: 30 Jan 2025 14:32

Tgt Ion:240 Resp: 345336
Ion Ratio Lower Upper
240 100
120 12.5 10.0 15.0
236 24.7 19.7 29.5

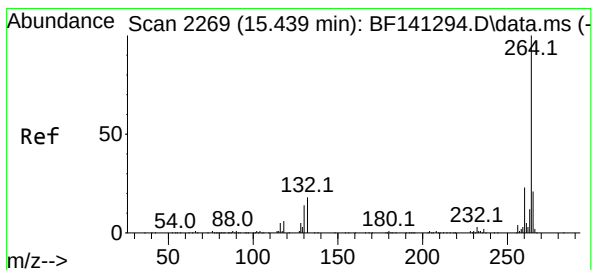
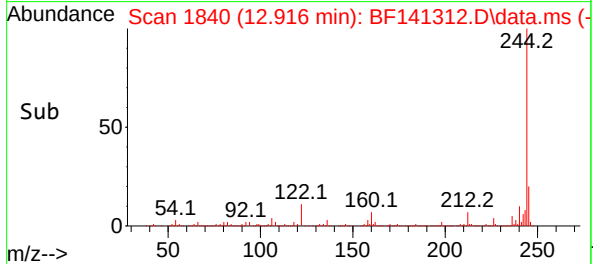
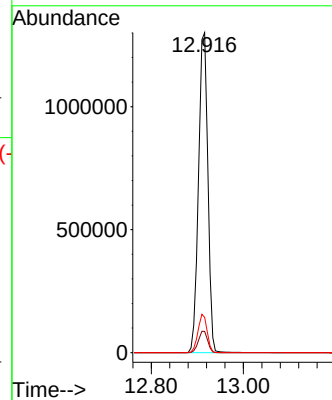
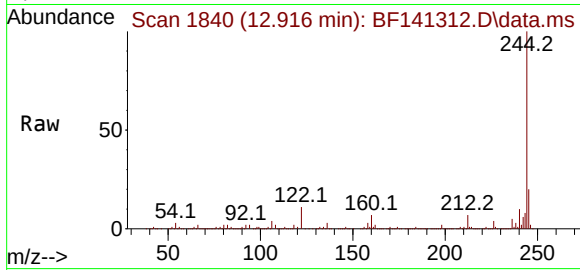




#79
Terphenyl-d14
Concen: 81.600 ng
RT: 12.916 min Scan# 1840
Delta R.T. -0.000 min
Lab File: BF141312.D
Acq: 30 Jan 2025 14:32

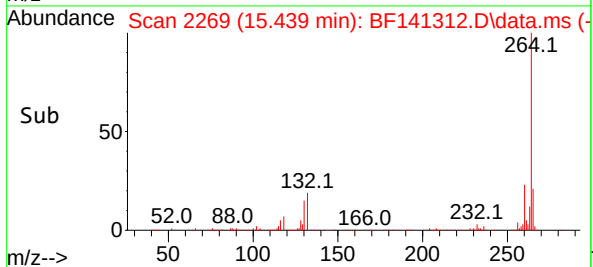
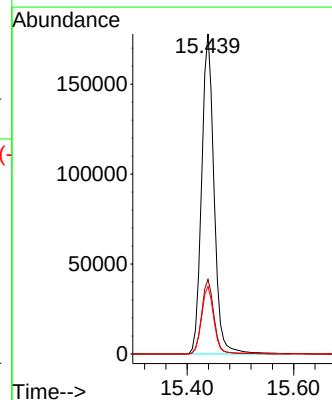
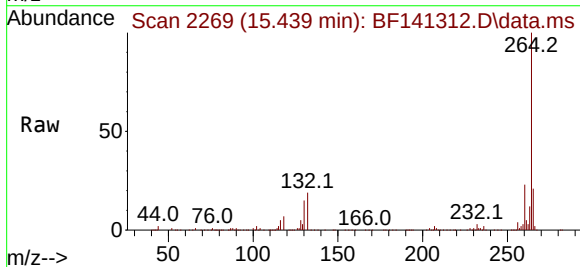
Instrument :
BNA_F
ClientSampleId :
PB166339BL

Tgt Ion:244 Resp: 1827244
Ion Ratio Lower Upper
244 100
212 6.6 5.4 8.0
122 11.0 8.8 13.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2269
Delta R.T. -0.000 min
Lab File: BF141312.D
Acq: 30 Jan 2025 14:32

Tgt Ion:264 Resp: 288136
Ion Ratio Lower Upper
264 100
260 23.3 18.6 27.8
265 21.1 16.7 25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013025\
Data File : BF141312.D
Acq On : 30 Jan 2025 14:32
Operator : RC/JU
Sample : PB166339BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166339BL

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-BF012925.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141312.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.205	12	19	29	rVB	87834	141412	2.91%	0.462%
2	3.863	294	301	311	rVB	45917	74935	1.54%	0.245%
3	5.028	489	499	509	rBV	41368	67598	1.39%	0.221%
4	5.416	558	565	570	rBV	2953487	4128195	85.05%	13.490%
5	6.422	729	736	742	rBV	2769311	4142045	85.34%	13.535%
6	6.798	794	800	805	rBV	703922	896894	18.48%	2.931%
7	7.357	888	895	900	rBV	2014311	2789400	57.47%	9.115%
8	8.075	1011	1017	1036	rBV	879846	1211726	24.96%	3.960%
9	9.157	1194	1201	1206	rBV	3495666	4853720	100.00%	15.861%
10	9.834	1310	1316	1330	rBV	1075502	1382194	28.48%	4.517%
11	10.622	1444	1450	1481	rBV	2139914	2902178	59.79%	9.484%
12	11.322	1563	1569	1576	rBV	1108051	1398591	28.81%	4.570%
13	12.910	1833	1839	1845	rBV	3446293	4844822	99.82%	15.832%
14	13.651	1946	1965	1980	rBV	8309	62513	1.29%	0.204%
15	13.963	2013	2018	2033	rBV	692036	926049	19.08%	3.026%
16	15.439	2262	2269	2289	rVB	476977	779356	16.06%	2.547%

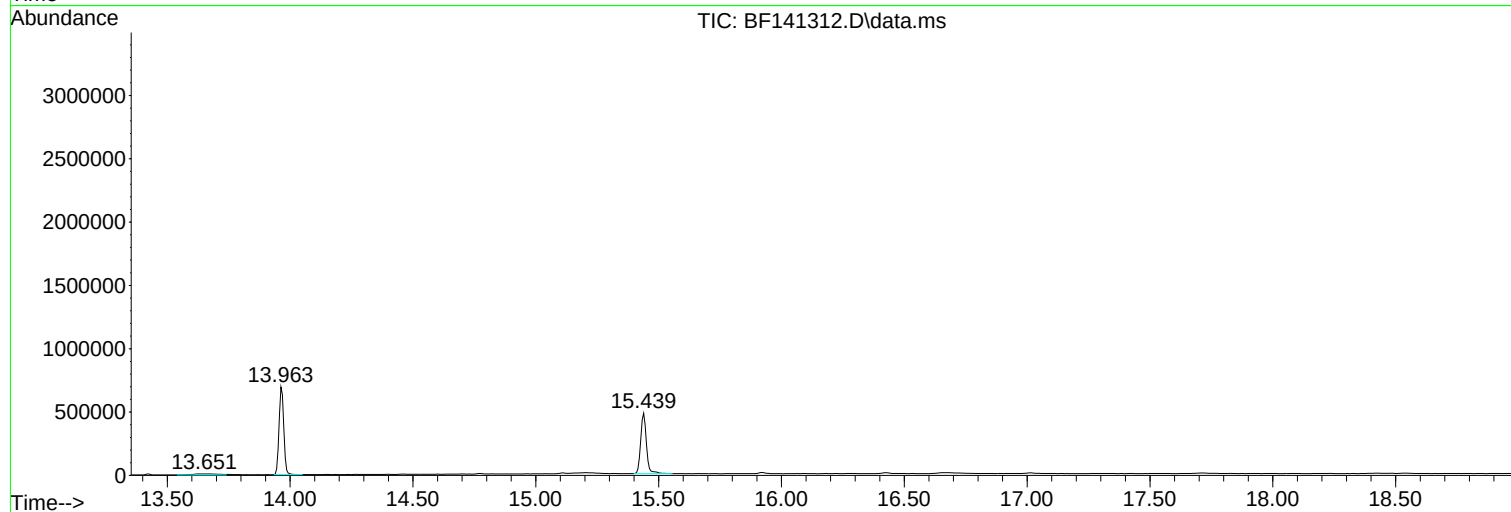
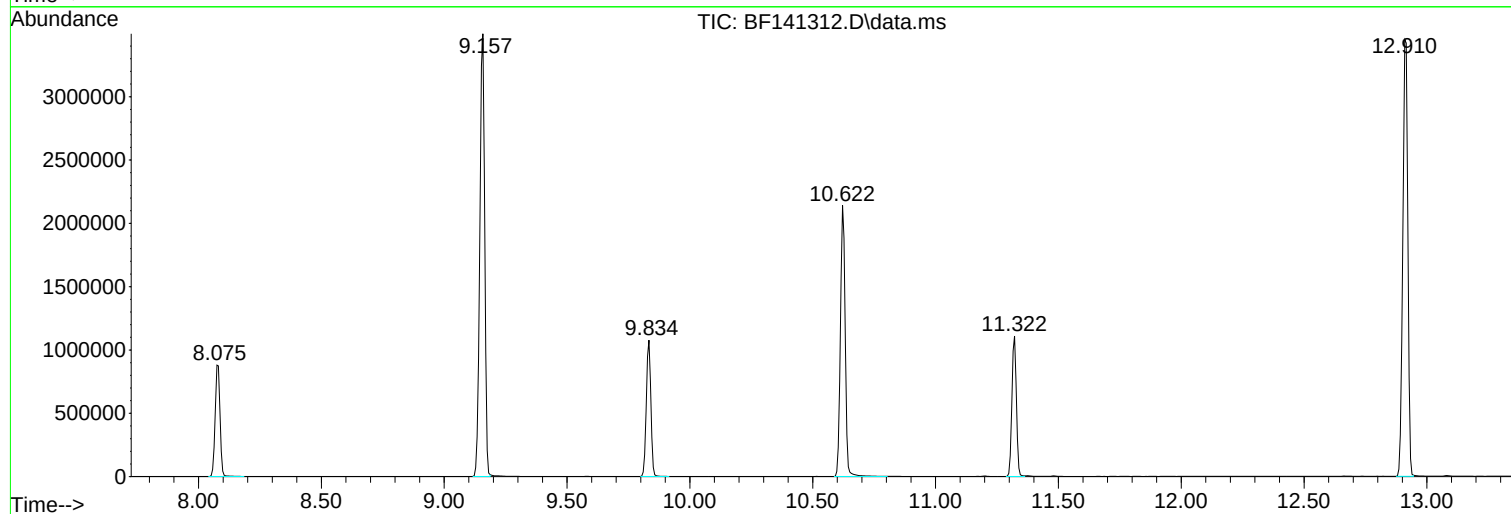
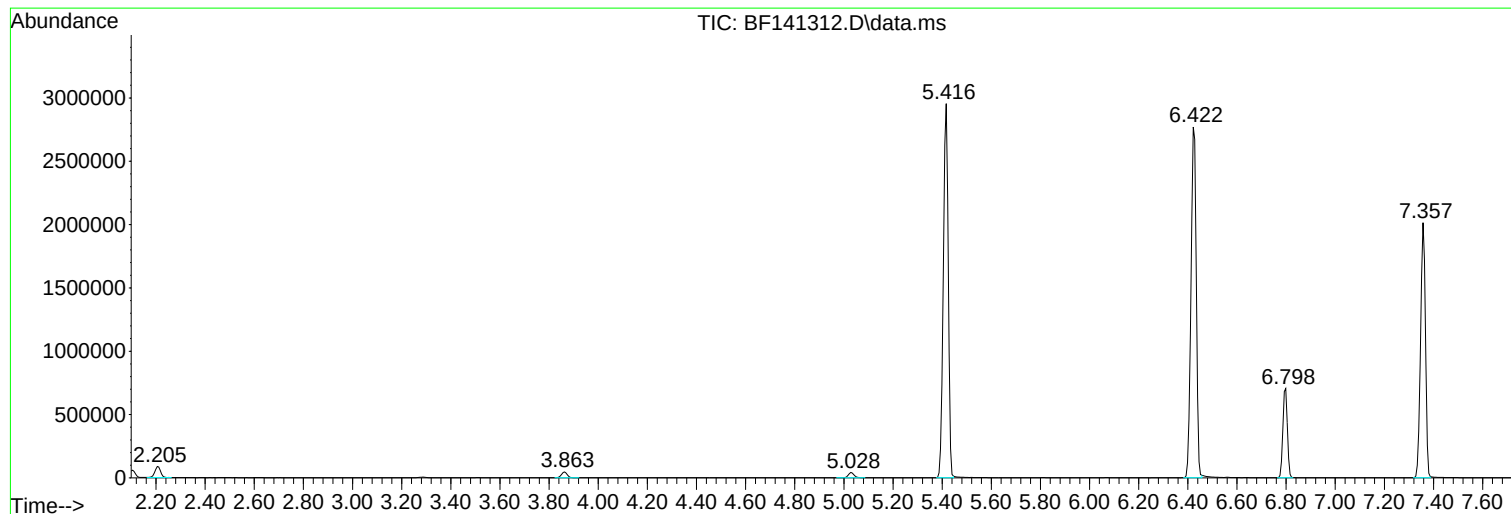
Sum of corrected areas: 30601628

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013025\
Data File : BF141312.D
Acq On : 30 Jan 2025 14:32
Operator : RC/JU
Sample : PB166339BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166339BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.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\BF013025\
Data File : BF141312.D
Acq On : 30 Jan 2025 14:32
Operator : RC/JU
Sample : PB166339BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166339BL

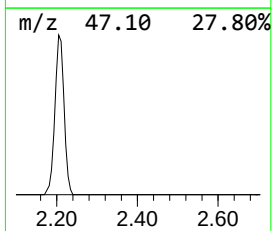
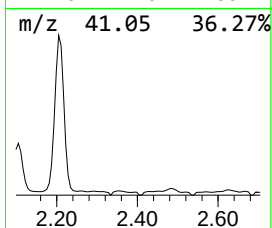
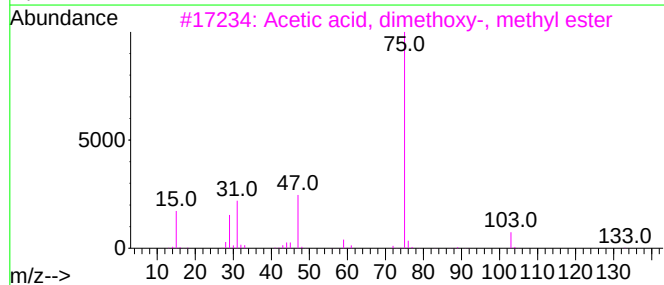
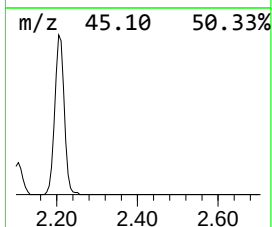
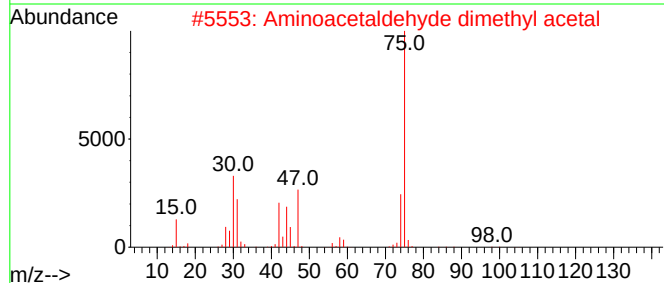
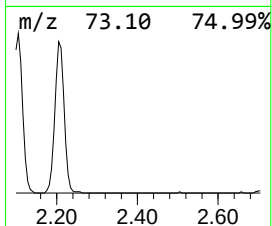
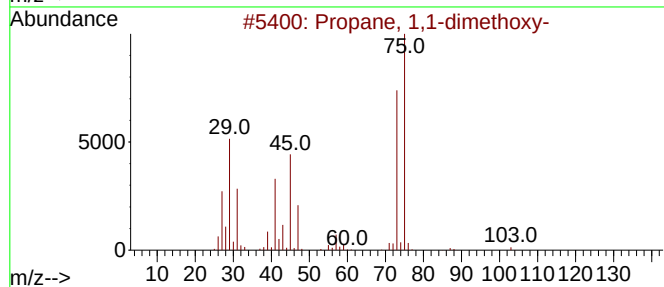
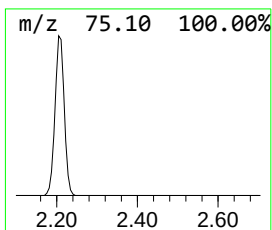
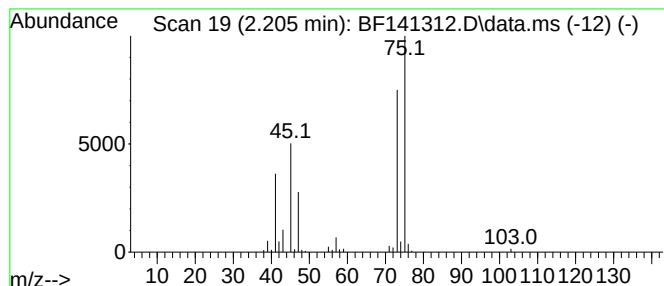
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Propane, 1,1-dimethoxy- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.205	3.15 ng	141412	1,4-Dichlorobenzene-d4	6.798

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Propane, 1,1-dimethoxy-	104	C5H12O2	004744-10-9	83
2			Aminoacetaldehyde dimethyl acetal	105	C4H11NO2	022483-09-6	33
3			Acetic acid, dimethoxy-, methyl ...	134	C5H10O4	000089-91-8	28
4			Methane, trimethoxy-	106	C4H10O3	000149-73-5	28
5			Pentane, 3-methoxy-	102	C6H14O	036839-67-5	22



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013025\
Data File : BF141312.D
Acq On : 30 Jan 2025 14:32
Operator : RC/JU
Sample : PB166339BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166339BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.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
Propane, 1,1-di...	2.205	3.1	ng	141412	1	6.798	896894	20.0

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166294BS	SDG No.:	Q1194
Lab Sample ID:	PB166294BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141439.D	1	01/28/25 09:56	02/05/25 11:47	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	200	J	180	330	ug/Kg
108-95-2	Phenol	1500		82.8	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1500		83.6	170	ug/Kg
95-57-8	2-Chlorophenol	1600		83.4	170	ug/Kg
95-48-7	2-Methylphenol	1500		80.5	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1400		90.8	170	ug/Kg
98-86-2	Acetophenone	1600		86.8	170	ug/Kg
65794-96-9	3+4-Methylphenols	1600		79.7	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1600		40.3	79.9	ug/Kg
67-72-1	Hexachloroethane	1600		82.9	170	ug/Kg
98-95-3	Nitrobenzene	1500		90.7	170	ug/Kg
78-59-1	Isophorone	1600		84.5	170	ug/Kg
88-75-5	2-Nitrophenol	1600		94.4	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1800		93.1	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1500		85.7	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1600		75.4	170	ug/Kg
91-20-3	Naphthalene	1500		82.5	170	ug/Kg
106-47-8	4-Chloroaniline	720		82.5	170	ug/Kg
87-68-3	Hexachlorobutadiene	1600		83.2	170	ug/Kg
105-60-2	Caprolactam	1500		86.7	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1600		77.4	170	ug/Kg
91-57-6	2-Methylnaphthalene	1600		82.4	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	6100	E	160	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1600		71.3	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1600		73.9	170	ug/Kg
92-52-4	1,1-Biphenyl	1500		87.3	170	ug/Kg
91-58-7	2-Chloronaphthalene	1500		83.2	170	ug/Kg
88-74-4	2-Nitroaniline	1600		94.9	170	ug/Kg
131-11-3	Dimethylphthalate	1600		81.6	170	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166294BS	SDG No.:	Q1194
Lab Sample ID:	PB166294BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141439.D	1	01/28/25 09:56	02/05/25 11:47	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1600		86.4	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1500		83.1	170	ug/Kg
99-09-2	3-Nitroaniline	900		89.1	170	ug/Kg
83-32-9	Acenaphthene	1800		81.0	170	ug/Kg
51-28-5	2,4-Dinitrophenol	3800	E	240	330	ug/Kg
100-02-7	4-Nitrophenol	3400	E	120	330	ug/Kg
132-64-9	Dibenzofuran	1600		84.3	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1600		86.1	170	ug/Kg
84-66-2	Diethylphthalate	1600		80.0	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1600		85.5	170	ug/Kg
86-73-7	Fluorene	1600		85.4	170	ug/Kg
100-01-6	4-Nitroaniline	1600		110	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1900		120	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1600		81.5	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1600		78.8	170	ug/Kg
118-74-1	Hexachlorobenzene	1600		84.9	170	ug/Kg
1912-24-9	Atrazine	1700		91.3	170	ug/Kg
87-86-5	Pentachlorophenol	3400	E	77.2	330	ug/Kg
85-01-8	Phenanthrene	1700		83.9	170	ug/Kg
120-12-7	Anthracene	1800		84.3	170	ug/Kg
86-74-8	Carbazole	1800		80.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	1700		84.2	170	ug/Kg
206-44-0	Fluoranthene	1800		81.6	170	ug/Kg
129-00-0	Pyrene	1500		82.9	170	ug/Kg
85-68-7	Butylbenzylphthalate	1700		96.7	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	800		98.5	330	ug/Kg
56-55-3	Benzo(a)anthracene	1600		80.6	170	ug/Kg
218-01-9	Chrysene	1600		79.4	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1700		90.9	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1600		110	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1600		81.0	170	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166294BS	SDG No.:	Q1194
Lab Sample ID:	PB166294BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141439.D	1	01/28/25 09:56	02/05/25 11:47	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1700		82.5	170	ug/Kg
50-32-8	Benzo(a)pyrene	1800		92.9	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1700		78.0	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1700		81.1	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1500		80.0	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1600		86.7	170	ug/Kg
123-91-1	1,4-Dioxane	1200		110	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1700		74.6	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	133		30 (18) - 130 (112)	88%	SPK: 150
13127-88-3	Phenol-d6	128		30 (15) - 130 (107)	85%	SPK: 150
4165-60-0	Nitrobenzene-d5	95.1		30 (18) - 130 (107)	95%	SPK: 100
321-60-8	2-Fluorobiphenyl	93.5		30 (20) - 130 (109)	94%	SPK: 100
118-79-6	2,4,6-Tribromophenol	155		30 (10) - 130 (116)	103%	SPK: 150
1718-51-0	Terphenyl-d14	95.8		30 (10) - 130 (105)	96%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	73000	6.792			
1146-65-2	Naphthalene-d8	286000	8.075			
15067-26-2	Acenaphthene-d10	157000	9.827			
1517-22-2	Phenanthrene-d10	269000	11.316			
1719-03-5	Chrysene-d12	187000	13.963			
1520-96-3	Perylene-d12	164000	15.427			

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\BF020525\
 Data File : BF141439.D
 Acq On : 05 Feb 2025 11:47
 Operator : RC/JU
 Sample : PB166294BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB166294BS

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/06/2025
 Supervised By :mohammad ahmed 02/06/2025

Quant Time: Feb 05 12:09:44 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	72987	20.000	ng	-0.01
21) Naphthalene-d8	8.075	136	285622	20.000	ng	#-0.01
39) Acenaphthene-d10	9.827	164	157073	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	268815	20.000	ng	-0.01
76) Chrysene-d12	13.963	240	187164	20.000	ng	-0.01
86) Perylene-d12	15.427	264	163935	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	630538	132.627	ng	0.00
7) Phenol-d6	6.434	99	771514	127.565	ng	0.00
23) Nitrobenzene-d5	7.357	82	515185	95.086	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	222970	154.841	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	954571	93.540	ng	-0.01
79) Terphenyl-d14	12.904	244	1162048	95.750	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.551	88	75727	36.218	ng	95
3) Pyridine	3.281	79	189020	37.521	ng	95
4) n-Nitrosodimethylamine	3.228	42	144996	50.383	ng	83
6) Aniline	6.451	93	193758	37.847	ng	# 5
8) 2-Chlorophenol	6.581	128	240737	47.243	ng	96
9) Benzaldehyde	6.339	77	21533	6.147	ng	97
10) Phenol	6.445	94	287555	44.852	ng	# 68
11) bis(2-Chloroethyl)ether	6.528	93	216614	44.066	ng	99
12) 1,3-Dichlorobenzene	6.728	146	251649	44.789	ng	98
13) 1,4-Dichlorobenzene	6.810	146	262713	46.544	ng	100
14) 1,2-Dichlorobenzene	6.957	146	245753	46.497	ng	99
15) Benzyl Alcohol	6.934	79	214068	51.793	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.063	45	367278	42.966	ng	59
17) 2-Methylphenol	7.051	107	185339	44.752	ng	# 92
18) Hexachloroethane	7.304	117	99805	47.931	ng	97
19) n-Nitroso-di-n-propyla...	7.204	70	168244	46.816	ng	100
20) 3+4-Methylphenols	7.204	107	239419	47.083	ng	93
22) Acetophenone	7.198	105	333018	49.051	ng	99
24) Nitrobenzene	7.375	77	257434	45.849	ng	99
25) Isophorone	7.610	82	442481	47.245	ng	99
26) 2-Nitrophenol	7.692	139	127059	47.983	ng	96
27) 2,4-Dimethylphenol	7.733	122	184581m	54.764	ng	
28) bis(2-Chloroethoxy)met...	7.822	93	262769	43.985	ng	99
29) 2,4-Dichlorophenol	7.939	162	197168	47.784	ng	99
30) 1,2,4-Trichlorobenzene	8.016	180	213686	45.347	ng	99
31) Naphthalene	8.092	128	691208	45.810	ng	100
32) Benzoic acid	7.857	122	138729	44.774	ng	95
33) 4-Chloroaniline	8.145	127	109963	21.491	ng	98
34) Hexachlorobutadiene	8.210	225	136347	49.340	ng	99
35) Caprolactam	8.510	113	62207m	46.162	ng	
36) 4-Chloro-3-methylphenol	8.639	107	217975	49.249	ng	95
37) 2-Methylnaphthalene	8.786	142	450445	46.970	ng	99
38) 1-Methylnaphthalene	8.886	142	421785	44.773	ng	100
40) 1,2,4,5-Tetrachloroben...	8.951	216	213361	47.747	ng	98
41) Hexachlorocyclopentadiene	8.939	237	243063	184.182	ng	99
43) 2,4,6-Trichlorophenol	9.069	196	139484	47.690	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
 Data File : BF141439.D
 Acq On : 05 Feb 2025 11:47
 Operator : RC/JU
 Sample : PB166294BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB166294BS

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/06/2025
 Supervised By :mohammad ahmed 02/06/2025

Quant Time: Feb 05 12:09:44 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

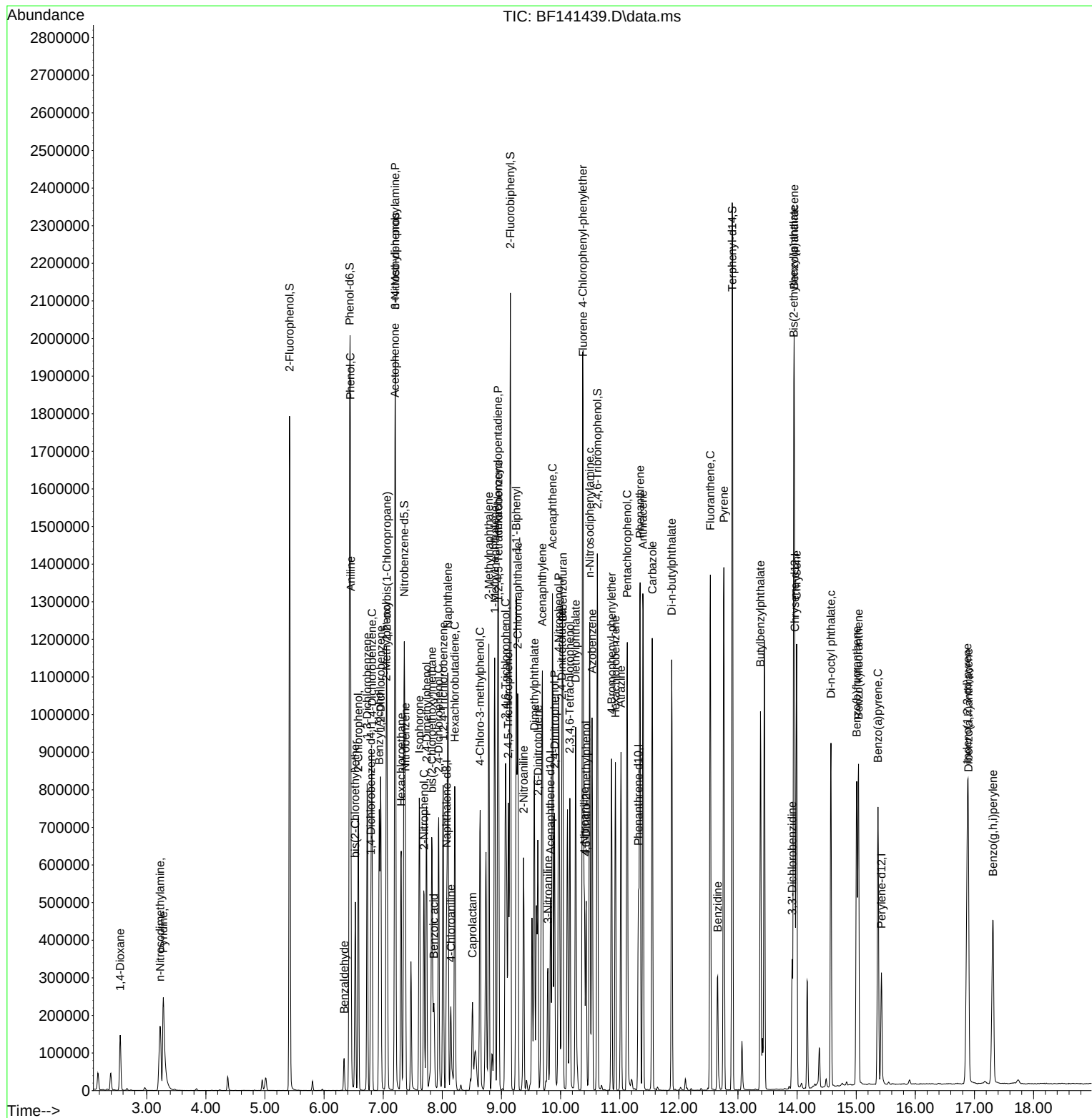
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.116	196	148386	46.613	ng	98
46) 1,1'-Biphenyl	9.251	154	568607	46.418	ng	99
47) 2-Chloronaphthalene	9.275	162	426849	44.705	ng	99
48) 2-Nitroaniline	9.375	65	147311	49.051	ng	95
49) Acenaphthylene	9.692	152	656250	49.100	ng	100
50) Dimethylphthalate	9.557	163	504634	47.568	ng	100
51) 2,6-Dinitrotoluene	9.616	165	110496	44.859	ng	94
52) Acenaphthene	9.863	154	510747m	53.490	ng	
53) 3-Nitroaniline	9.786	138	65366	27.076	ng	95
54) 2,4-Dinitrophenol	9.898	184	130643	114.095	ng	90
55) Dibenzofuran	10.039	168	602805	47.164	ng	97
56) 4-Nitrophenol	9.969	139	181575	102.840	ng	89
57) 2,4-Dinitrotoluene	10.022	165	157833	49.490	ng	91
58) Fluorene	10.380	166	482443	48.663	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.157	232	128565m	51.336	ng	
60) Diethylphthalate	10.257	149	500958	48.702	ng	99
61) 4-Chlorophenyl-phenyle...	10.374	204	233801	48.279	ng	98
62) 4-Nitroaniline	10.404	138	114882	48.402	ng	90
63) Azobenzene	10.533	77	481359	46.750	ng	98
65) 4,6-Dinitro-2-methylph...	10.433	198	91087	57.286	ng	100
66) n-Nitrosodiphenylamine	10.492	169	421404	48.468	ng	99
67) 4-Bromophenyl-phenylether	10.863	248	145703	48.415	ng	99
68) Hexachlorobenzene	10.927	284	153026	47.936	ng	99
69) Atrazine	11.022	200	152376	52.417	ng	99
70) Pentachlorophenol	11.127	266	193550	103.538	ng	99
71) Phenanthrene	11.345	178	743871	51.479	ng	100
72) Anthracene	11.392	178	758044	53.540	ng	99
73) Carbazole	11.551	167	665174	52.983	ng	99
74) Di-n-butylphthalate	11.880	149	783458	51.494	ng	99
75) Fluoranthene	12.533	202	792604	55.552	ng	98
77) Benzidine	12.657	184	173242	28.873	ng	99
78) Pyrene	12.763	202	824927	45.916	ng	99
80) Butylbenzylphthalate	13.380	149	311075	49.562	ng	99
81) Benzo(a)anthracene	13.951	228	637983	49.397	ng	99
82) 3,3'-Dichlorobenzidine	13.915	252	98974	24.095	ng	98
83) Chrysene	13.992	228	562189	47.496	ng	100
84) Bis(2-ethylhexyl)phtha...	13.945	149	403170	50.636	ng	99
85) Di-n-octyl phthalate	14.574	149	602500	48.720	ng	98
87) Indeno(1,2,3-cd)pyrene	16.880	276	538149	50.861	ng	95
88) Benzo(b)fluoranthene	15.009	252	498092	48.302	ng	98
89) Benzo(k)fluoranthene	15.039	252	472495	51.723	ng	98
90) Benzo(a)pyrene	15.368	252	461267	52.934	ng	98
91) Dibenzo(a,h)anthracene	16.898	278	435153	51.119	ng	96
92) Benzo(g,h,i)perylene	17.315	276	407221	46.007	ng	96

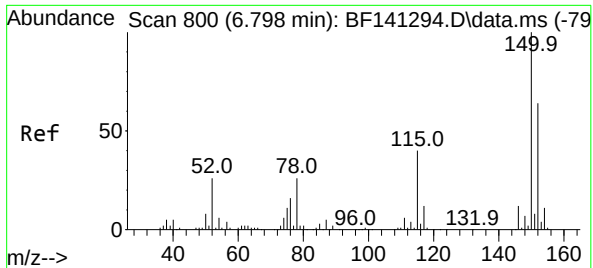
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_F
ClientSampleId :
PB166294BS

Manual Integrations

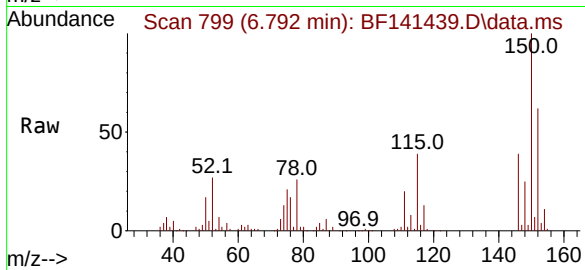
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 79
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

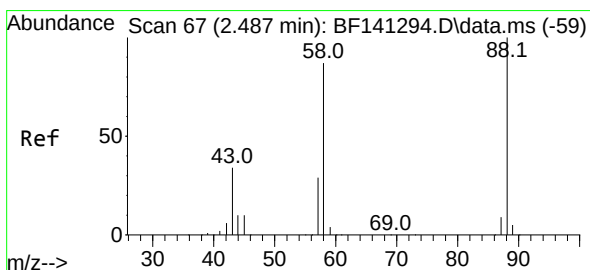
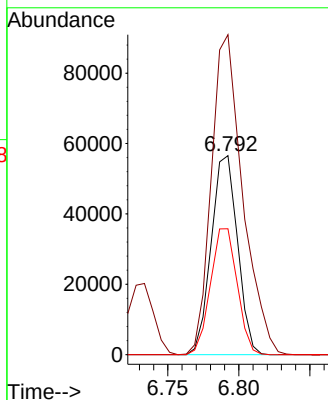
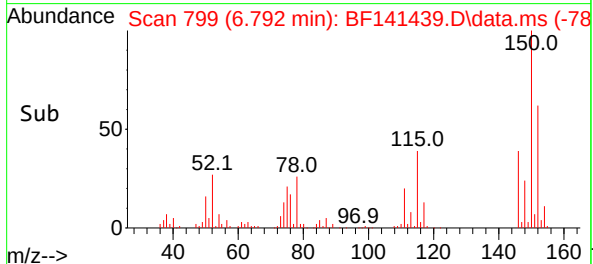
Instrument :
BNA_F
ClientSampleId :
PB166294BS



Tgt Ion:152 Resp: 7298
Ion Ratio Lower Upper
152 100
150 160.8 125.9 188.9
115 63.3 49.7 74.5

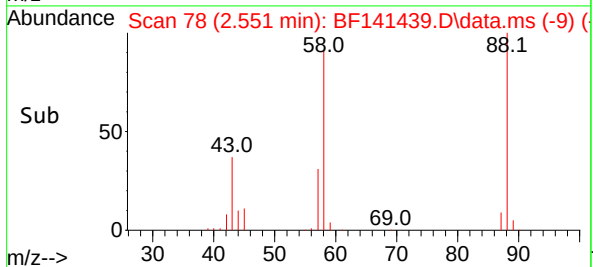
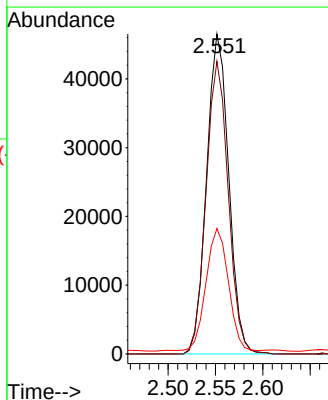
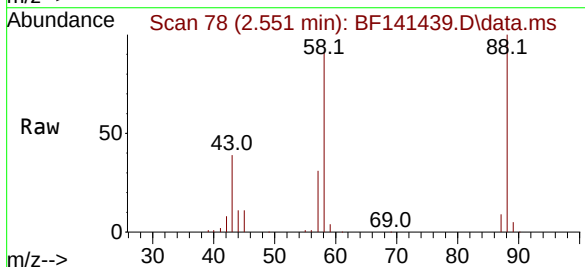
Manual Integrations
APPROVED

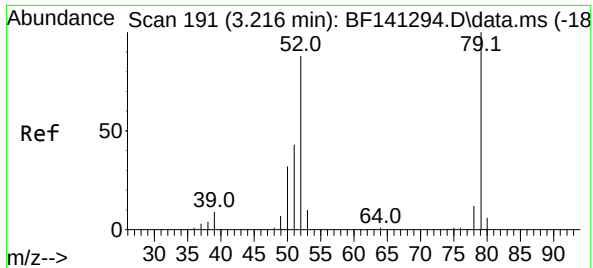
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#2
1,4-Dioxane
Concen: 36.218 ng
RT: 2.551 min Scan# 78
Delta R.T. 0.059 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion: 88 Resp: 75727
Ion Ratio Lower Upper
88 100
58 91.6 70.2 105.4
43 38.9 27.6 41.4





#3

Pyridine

Concen: 37.521 ng

RT: 3.281 min Scan# 20

Delta R.T. 0.053 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

Instrument :

BNA_F

ClientSampleId :

PB166294BS

Tgt Ion: 79 Resp: 189020

Ion Ratio Lower Upper

79 100

52 92.0 70.3 105.5

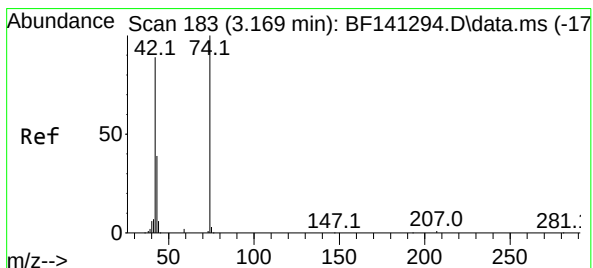
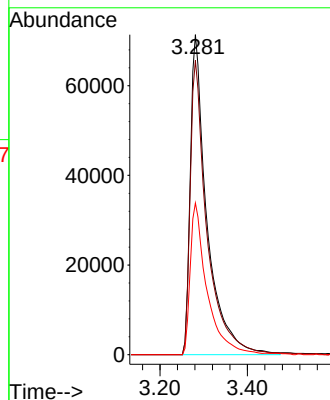
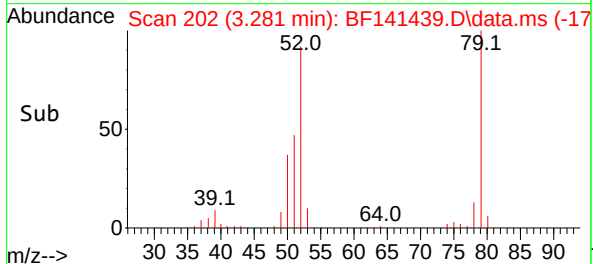
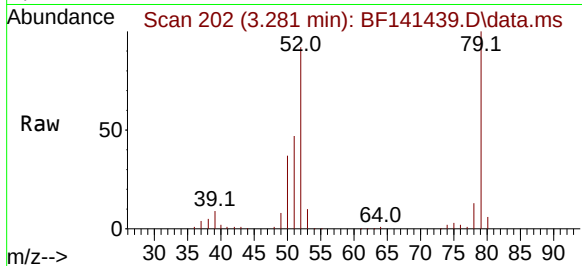
51 47.4 34.3 51.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#4

n-Nitrosodimethylamine

Concen: 50.383 ng

RT: 3.228 min Scan# 193

Delta R.T. 0.029 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

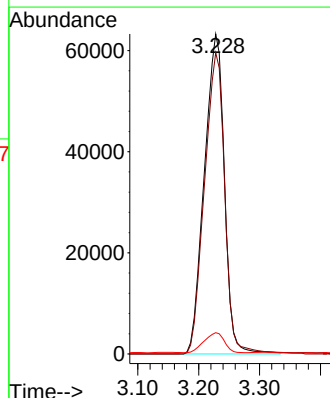
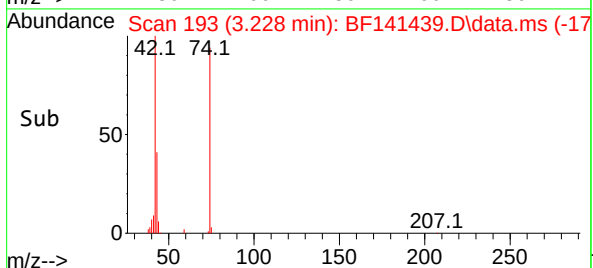
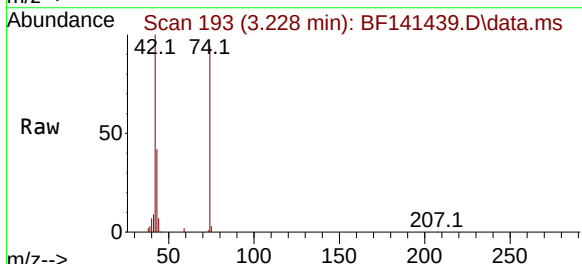
Tgt Ion: 42 Resp: 144996

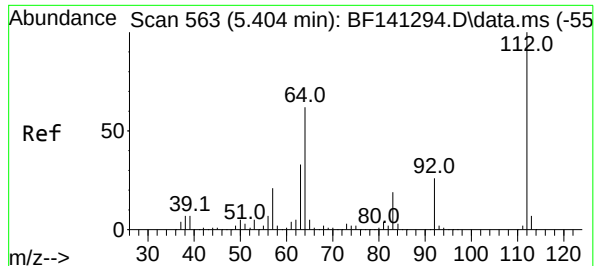
Ion Ratio Lower Upper

42 100

74 94.2 90.3 135.5

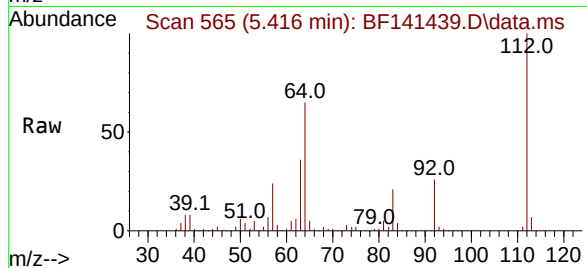
44 6.6 5.7 8.5





#5
2-Fluorophenol
Concen: 132.627 ng
RT: 5.416 min Scan# 50
Delta R.T. 0.006 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

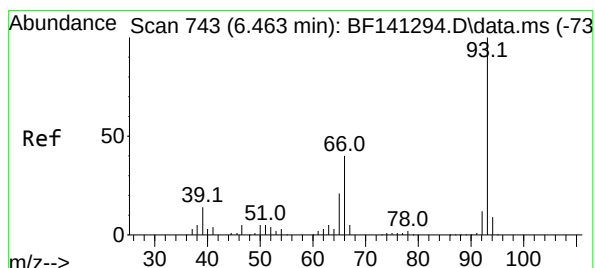
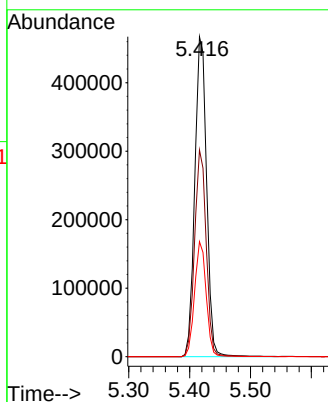
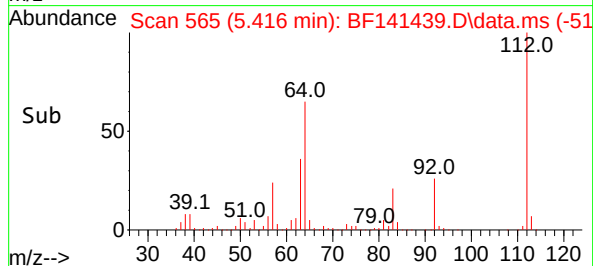
Instrument :
BNA_F
ClientSampleId :
PB166294BS



Tgt Ion:112 Resp: 630538
Ion Ratio Lower Upper
112 100
64 64.6 49.8 74.8
63 35.9 26.1 39.1

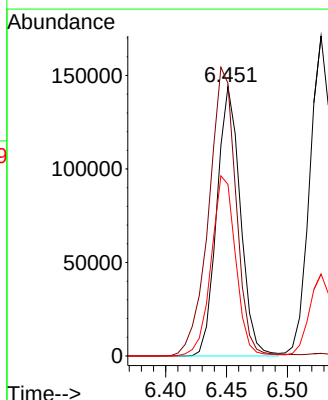
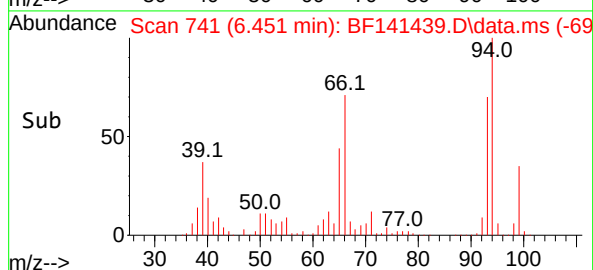
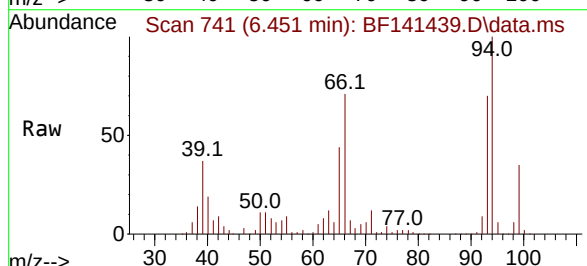
Manual Integrations
APPROVED

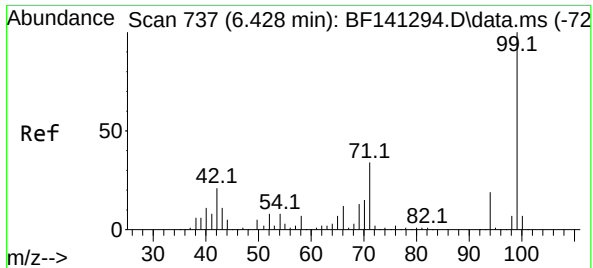
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#6
Aniline
Concen: 37.847 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.018 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion: 93 Resp: 193758
Ion Ratio Lower Upper
93 100
66 101.2 32.5 48.7#
65 63.6 17.0 25.6#





#7

Phenol-d6

Concen: 127.565 ng

RT: 6.434 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF141439.D

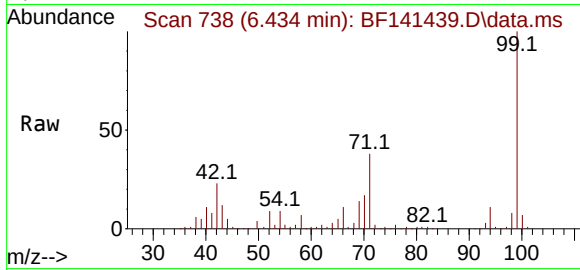
Acq: 05 Feb 2025 11:47

Instrument :

BNA_F

ClientSampleId :

PB166294BS



Tgt Ion: 99 Resp: 771514

Ion Ratio Lower Upper

99 100

42 23.5 17.1 25.7

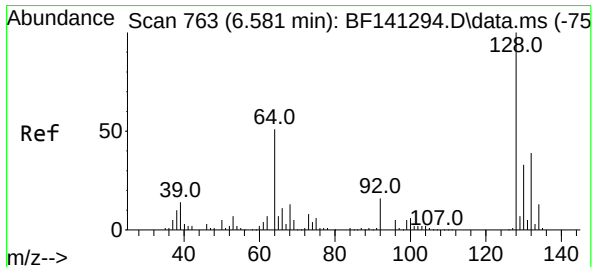
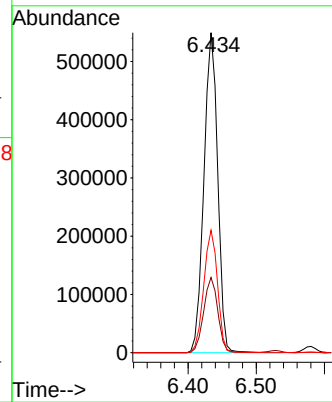
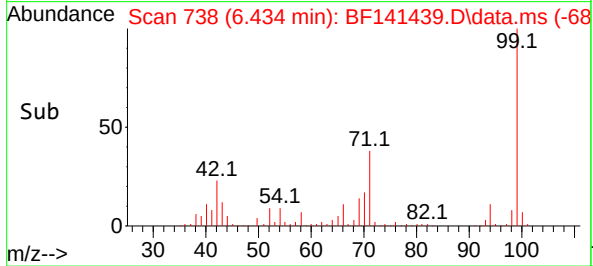
71 38.2 26.9 40.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#8

2-Chlorophenol

Concen: 47.243 ng

RT: 6.581 min Scan# 763

Delta R.T. -0.012 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

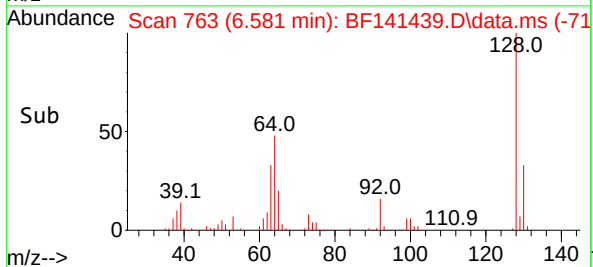
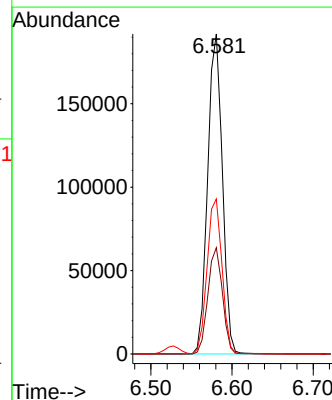
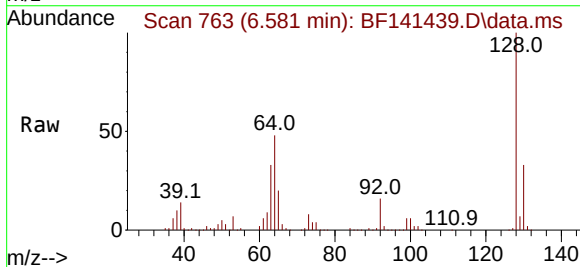
Tgt Ion:128 Resp: 240737

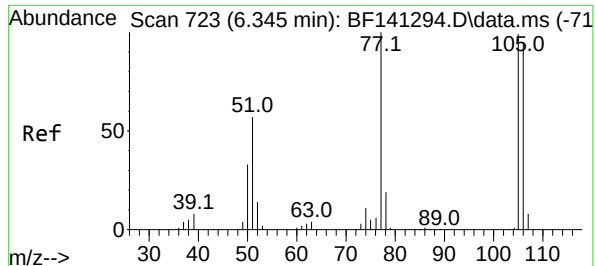
Ion Ratio Lower Upper

128 100

130 33.2 12.5 52.5

64 48.4 32.9 72.9





#9

Benzaldehyde

Concen: 6.147 ng

RT: 6.339 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

Instrument :

BNA_F

ClientSampleId :

PB166294BS

Tgt Ion: 77 Resp: 2153

Ion Ratio Lower Upper

77 100

105 101.5 79.4 119.4

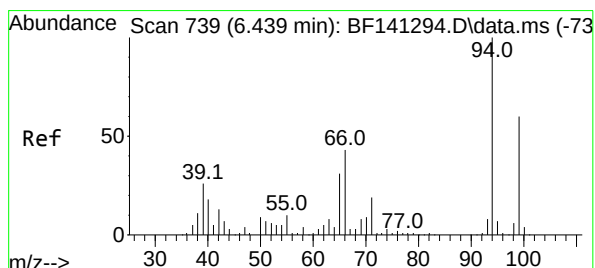
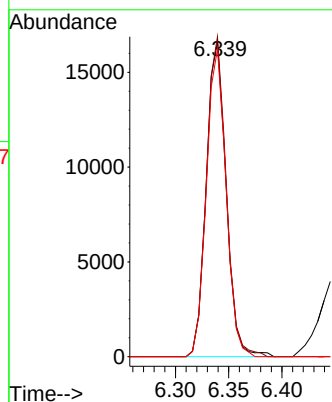
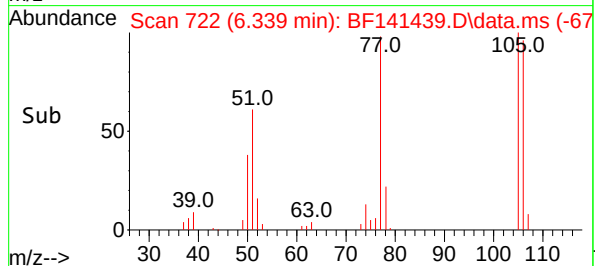
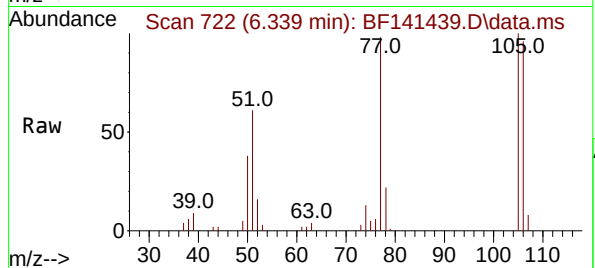
106 97.7 74.6 114.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#10

Phenol

Concen: 44.852 ng

RT: 6.445 min Scan# 740

Delta R.T. -0.006 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

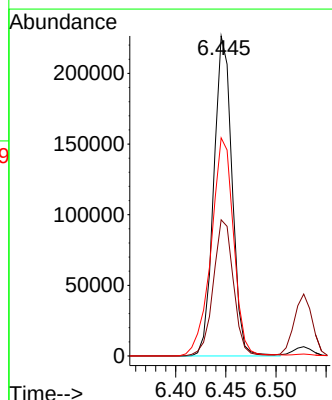
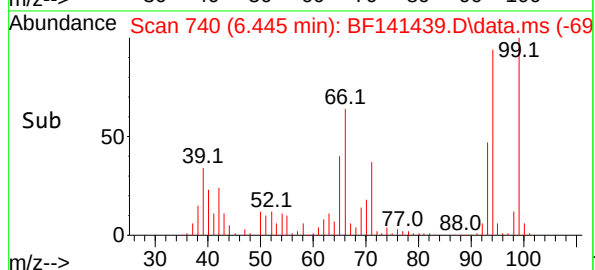
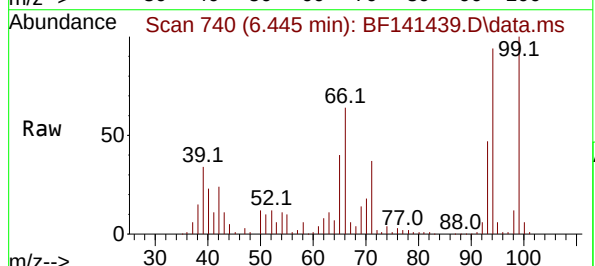
Tgt Ion: 94 Resp: 287555

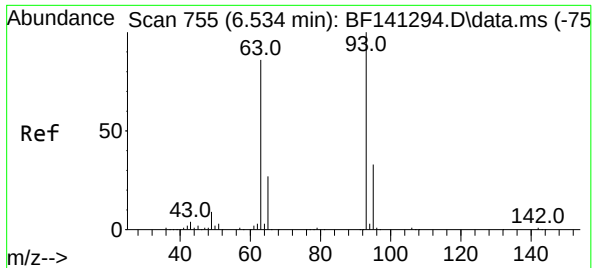
Ion Ratio Lower Upper

94 100

65 42.5 10.8 50.8

66 68.2 23.3 63.3#





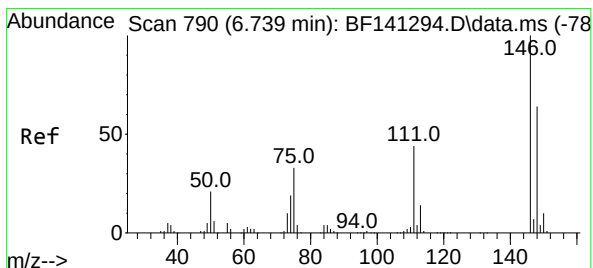
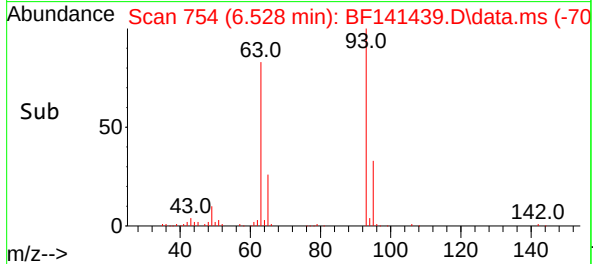
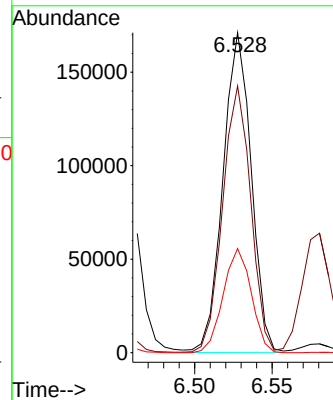
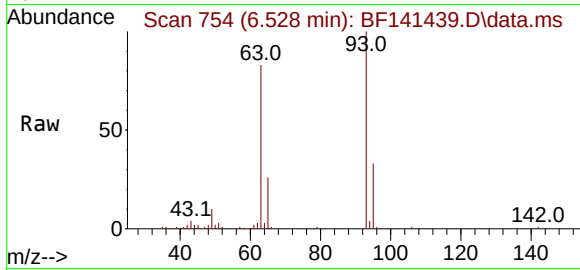
#11
bis(2-Chloroethyl)ether
Concen: 44.066 ng
RT: 6.528 min Scan# 714
Delta R.T. -0.018 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Instrument :
BNA_F
ClientSampleId :
PB166294BS

Tgt Ion: 93 Resp: 216614
Ion Ratio Lower Upper
93 100
63 83.4 65.0 105.0
95 32.6 12.4 52.4

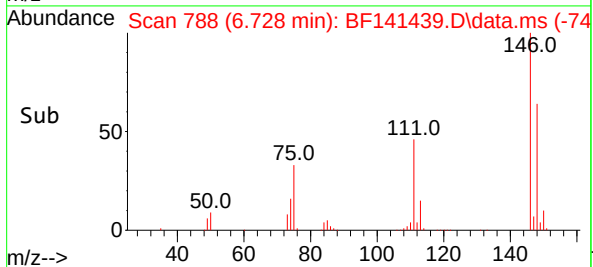
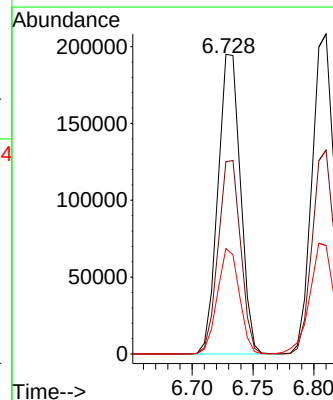
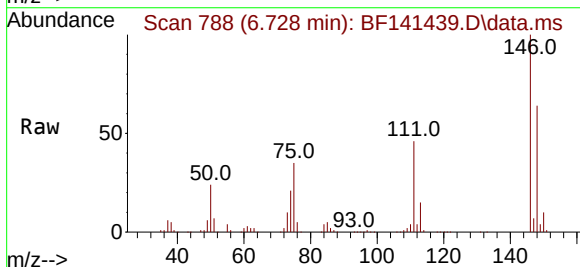
Manual Integrations
APPROVED

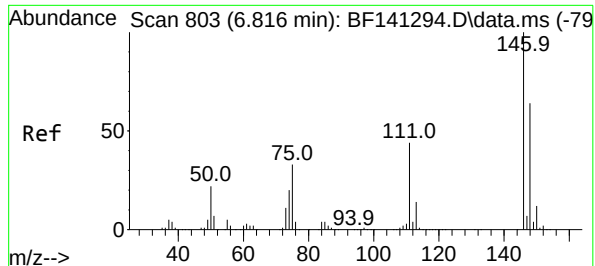
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#12
1,3-Dichlorobenzene
Concen: 44.789 ng
RT: 6.728 min Scan# 788
Delta R.T. -0.018 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion:146 Resp: 251649
Ion Ratio Lower Upper
146 100
148 64.2 51.2 76.8
75 35.2 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 46.544 ng

RT: 6.810 min Scan# 803

Delta R.T. -0.012 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

Instrument :

BNA_F

ClientSampleId :

PB166294BS

Tgt Ion:146 Resp: 26271

Ion Ratio Lower Upper

146 100

148 63.7 51.2 76.8

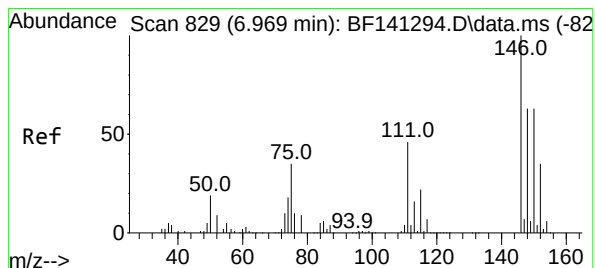
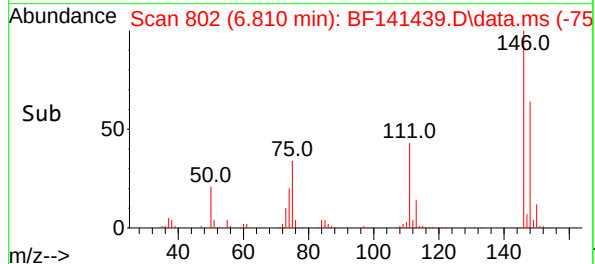
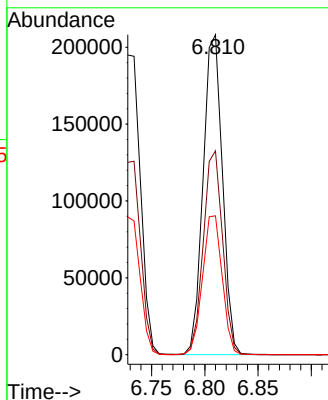
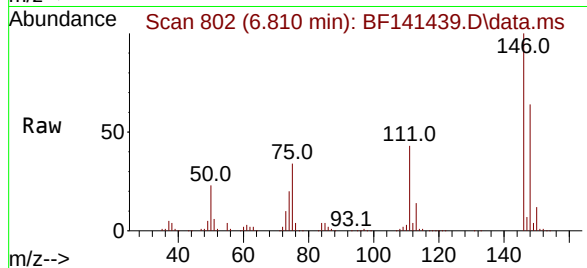
111 43.4 35.0 52.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#14

1,2-Dichlorobenzene

Concen: 46.497 ng

RT: 6.957 min Scan# 827

Delta R.T. -0.018 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

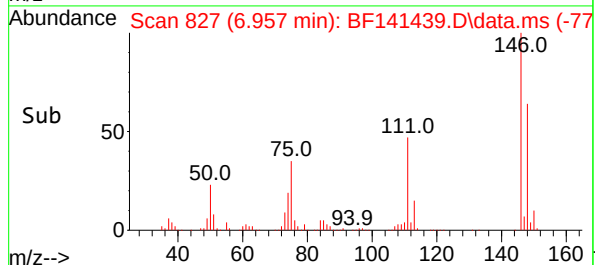
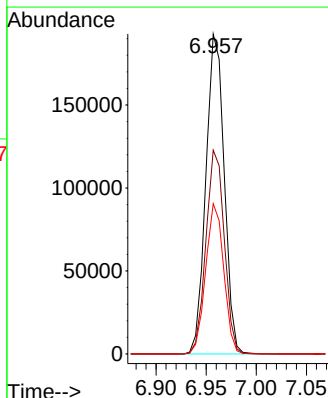
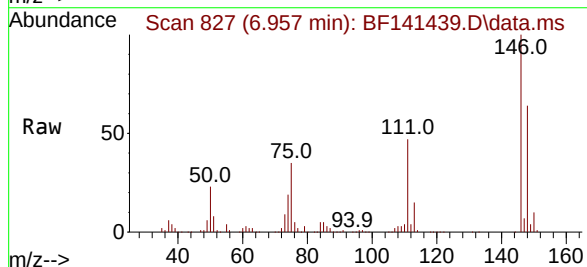
Tgt Ion:146 Resp: 245753

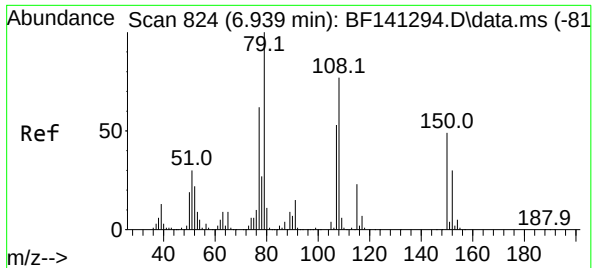
Ion Ratio Lower Upper

146 100

148 63.7 50.5 75.7

111 47.0 36.6 55.0





#15

Benzyl Alcohol

Concen: 51.793 ng

RT: 6.934 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF141439.D

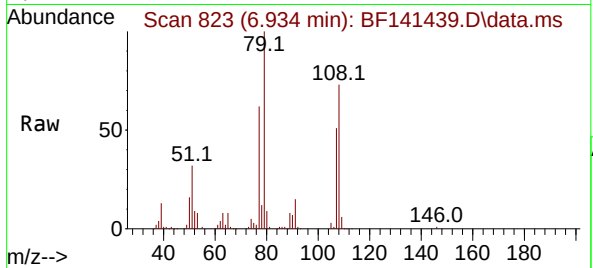
Acq: 05 Feb 2025 11:47

Instrument :

BNA_F

ClientSampleId :

PB166294BS



Tgt Ion: 79 Resp: 21406

Ion Ratio Lower Upper

79 100

108 73.1 61.4 92.0

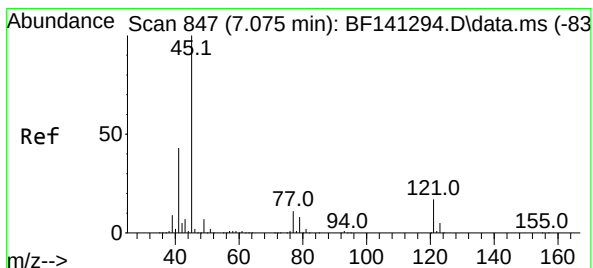
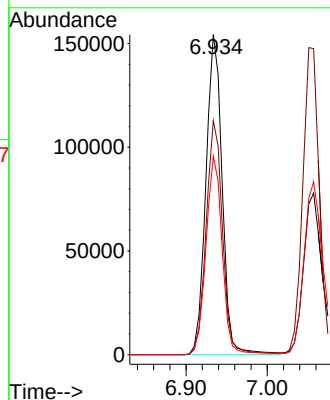
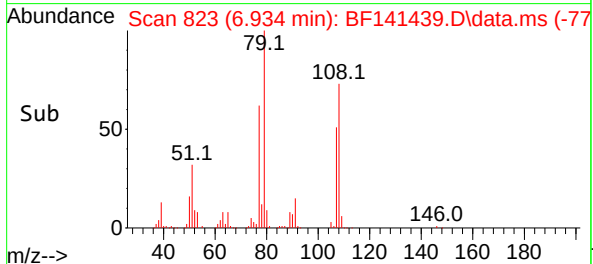
77 62.1 49.9 74.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#16

2,2'-oxybis(1-Chloropropane)

Concen: 42.966 ng

RT: 7.063 min Scan# 845

Delta R.T. -0.018 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

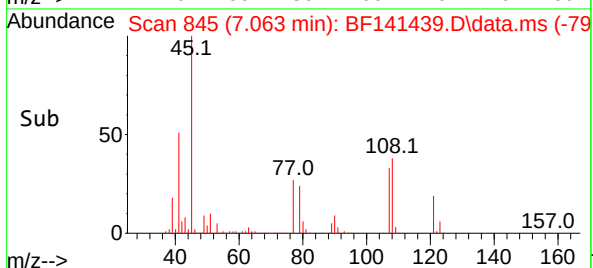
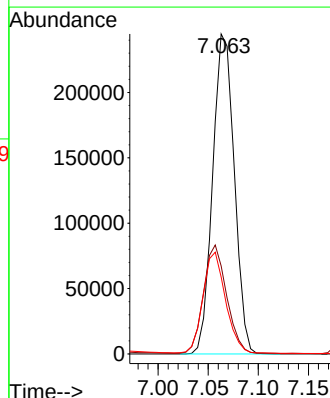
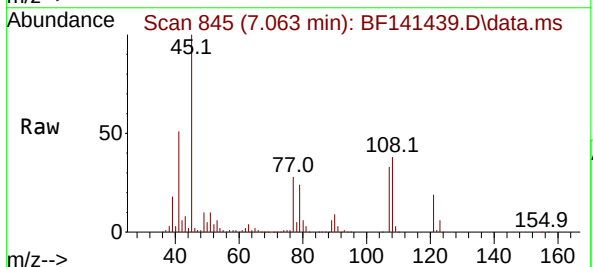
Tgt Ion: 45 Resp: 367278

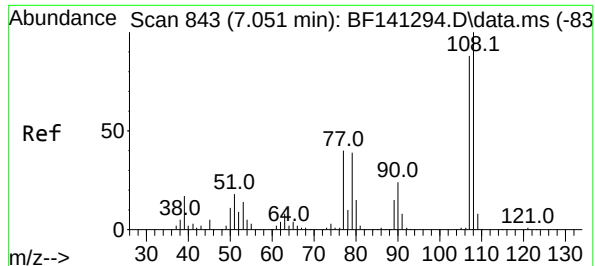
Ion Ratio Lower Upper

45 100

77 27.5 0.0 31.8

79 24.0 0.0 29.1





#17

2-Methylphenol

Concen: 44.752 ng

RT: 7.051 min Scan# 843

Delta R.T. -0.006 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

Instrument :

BNA_F

ClientSampleId :

PB166294BS

Tgt Ion:107 Resp: 185339

Ion Ratio Lower Upper

107 100

108 112.5 90.8 136.2

77 57.3 36.2 54.4

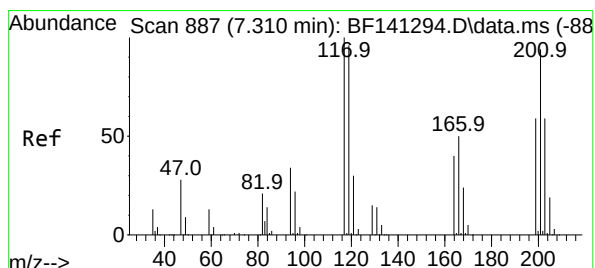
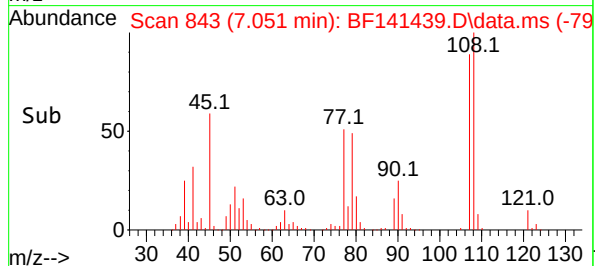
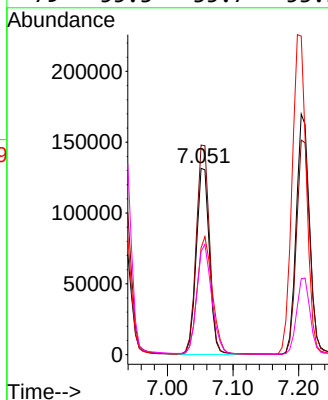
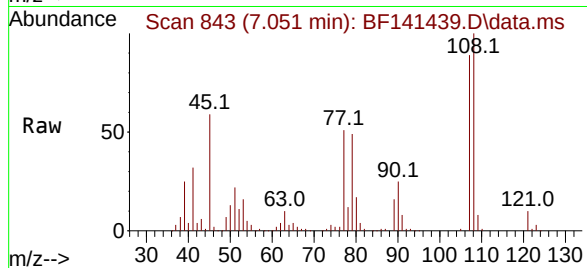
79 55.3 35.7 53.5#

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#18

Hexachloroethane

Concen: 47.931 ng

RT: 7.304 min Scan# 886

Delta R.T. -0.012 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

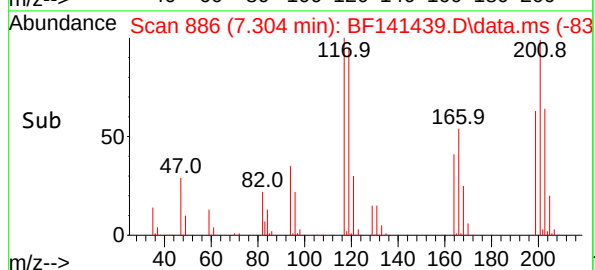
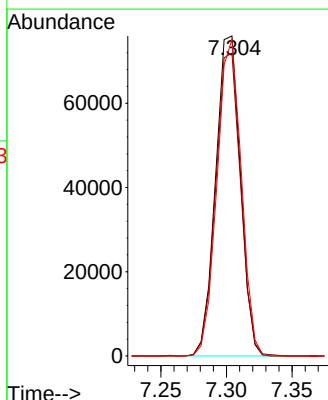
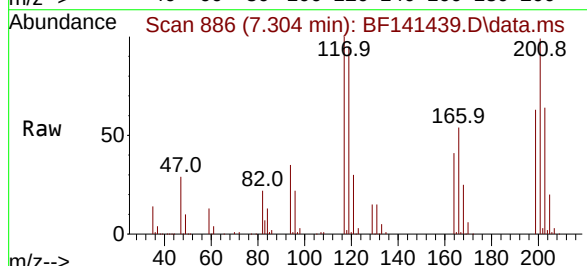
Tgt Ion:117 Resp: 99805

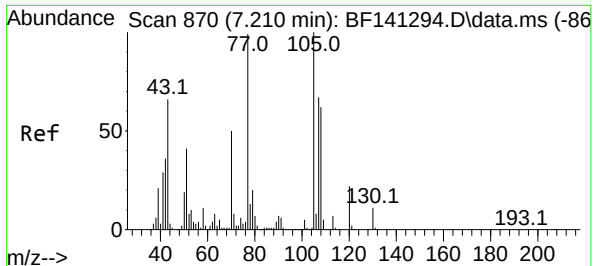
Ion Ratio Lower Upper

117 100

119 94.6 76.6 114.8

201 98.9 74.8 112.2





#19

n-Nitroso-di-n-propylamine

Concen: 46.816 ng

RT: 7.204 min Scan# 869

Delta R.T. -0.024 min

Lab File: BF141439.D

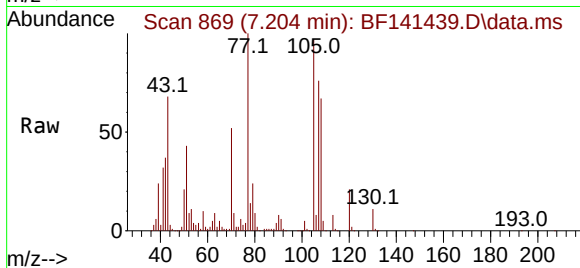
Acq: 05 Feb 2025 11:47

Instrument :

BNA_F

ClientSampleId :

PB166294BS



Tgt Ion: 70 Resp: 16824

Ion Ratio Lower Upper

70 100

42 71.3 56.8 85.2

101 9.6 7.7 11.5

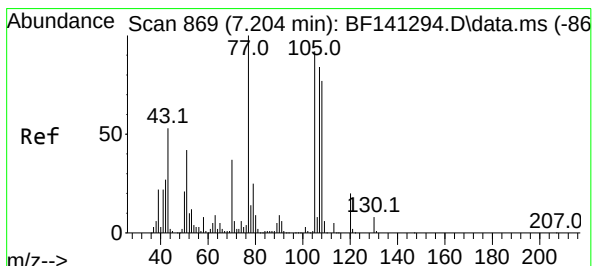
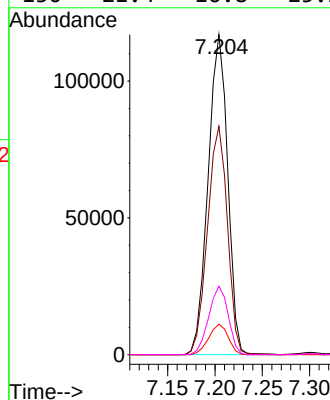
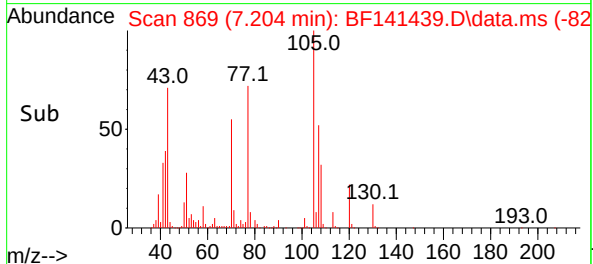
130 21.4 16.8 25.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#20

3+4-Methylphenols

Concen: 47.083 ng

RT: 7.204 min Scan# 869

Delta R.T. -0.012 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

Tgt Ion:107 Resp: 239419

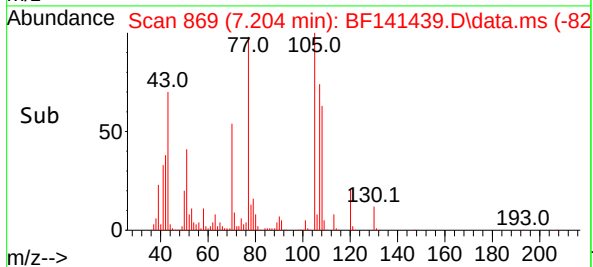
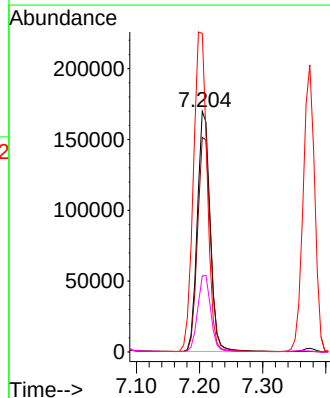
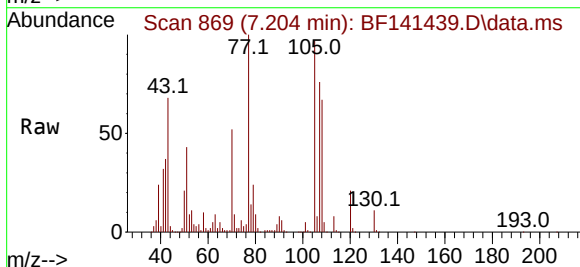
Ion Ratio Lower Upper

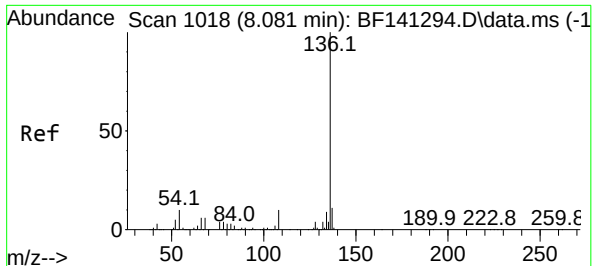
107 100

108 89.2 70.9 110.9

77 132.4 98.5 138.5

79 31.6 9.5 49.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.075 min Scan# 1018

Delta R.T. -0.012 min

Lab File: BF141439.D

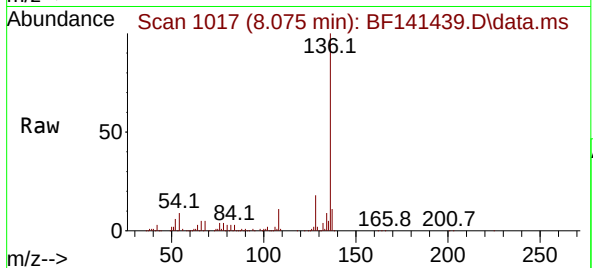
Acq: 05 Feb 2025 11:47

Instrument :

BNA_F

ClientSampleId :

PB166294BS



Tgt Ion:136 Resp: 28562

Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

54 8.8 7.8 11.8

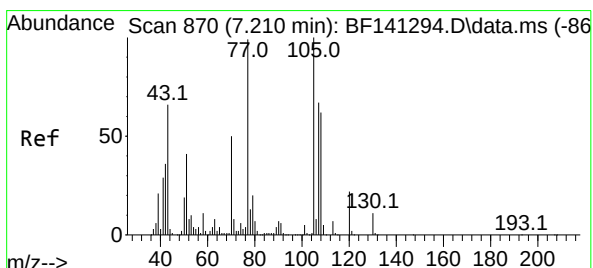
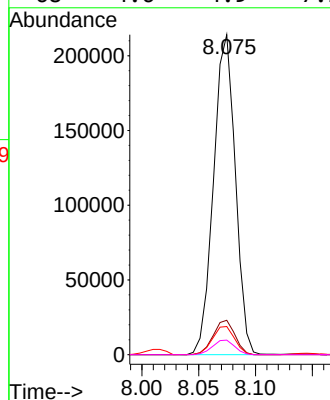
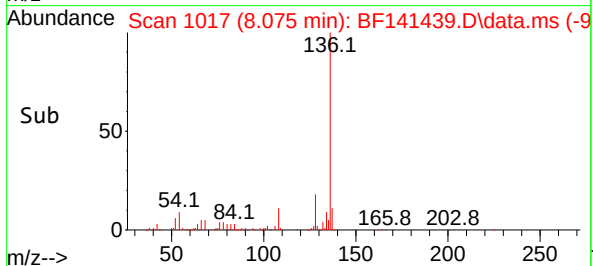
68 4.6 4.9 7.3#

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#22

Acetophenone

Concen: 49.051 ng

RT: 7.198 min Scan# 868

Delta R.T. -0.018 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

Tgt Ion:105 Resp: 333018

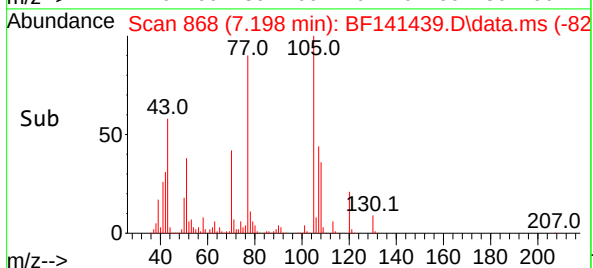
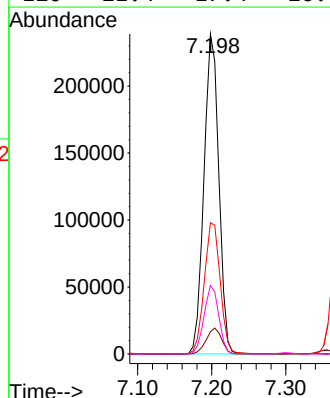
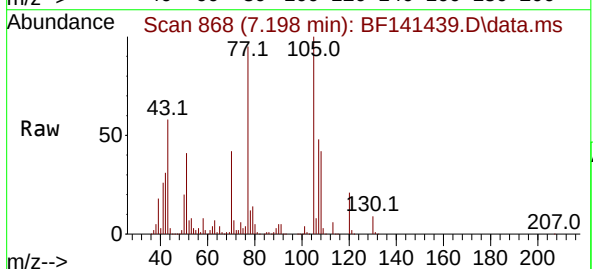
Ion Ratio Lower Upper

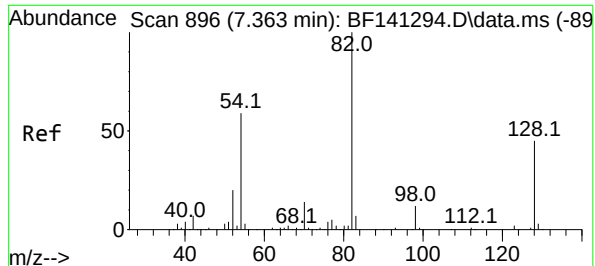
105 100

71 6.9 6.8 10.2

51 41.0 32.6 49.0

120 21.4 17.4 26.0





#23

Nitrobenzene-d5

Concen: 95.086 ng

RT: 7.357 min Scan# 895

Delta R.T. -0.012 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

Instrument :

BNA_F

ClientSampleId :

PB166294BS

Tgt Ion: 82 Resp: 51518

Ion Ratio Lower Upper

82 100

128 43.8 35.7 53.5

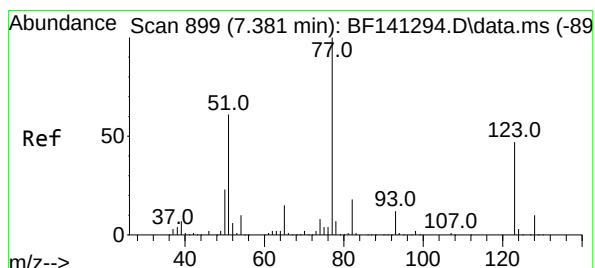
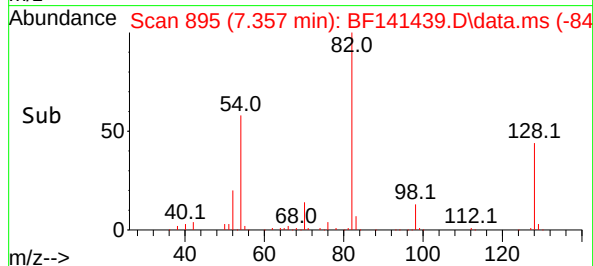
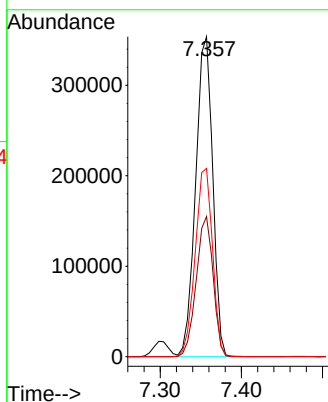
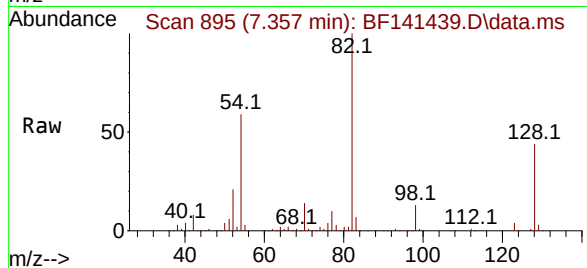
54 58.9 47.1 70.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#24

Nitrobenzene

Concen: 45.849 ng

RT: 7.375 min Scan# 898

Delta R.T. -0.018 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

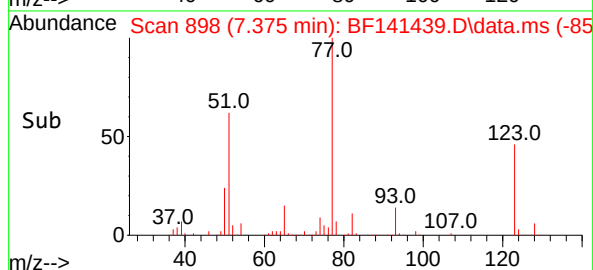
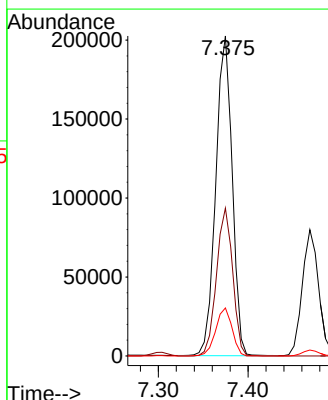
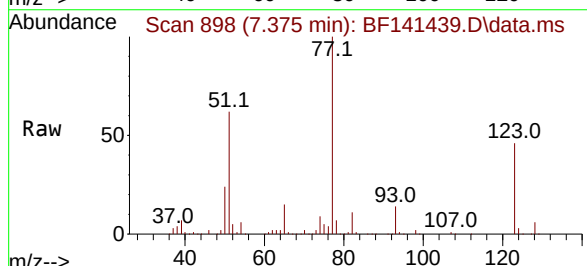
Tgt Ion: 77 Resp: 257434

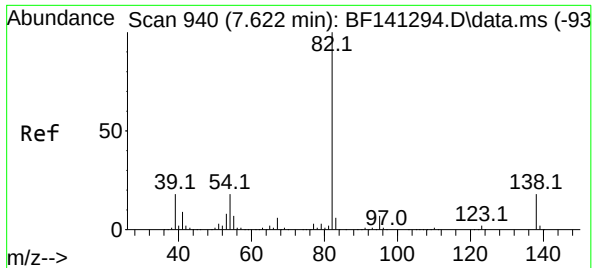
Ion Ratio Lower Upper

77 100

123 46.2 37.3 55.9

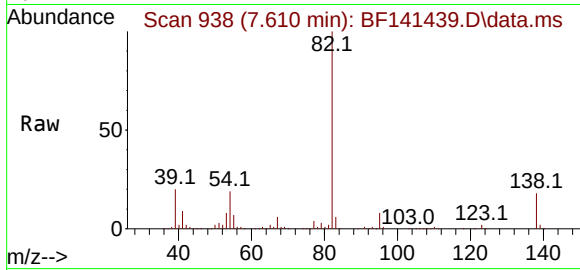
65 15.0 11.8 17.6





#25
Isophorone
Concen: 47.245 ng
RT: 7.610 min Scan# 91
Delta R.T. -0.018 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

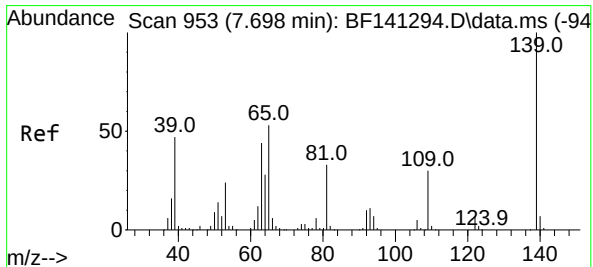
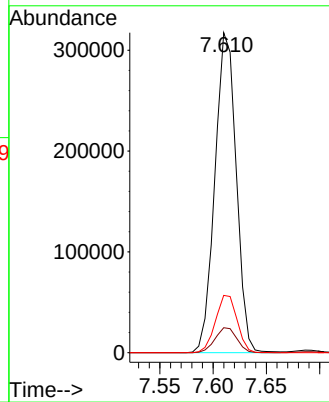
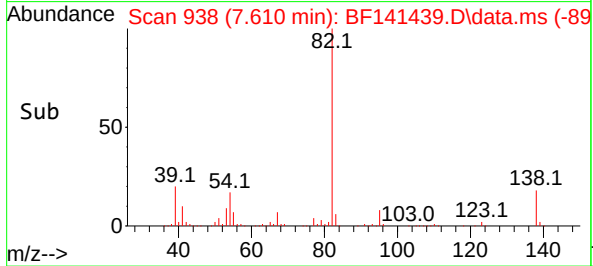
Instrument :
BNA_F
ClientSampleId :
PB166294BS



Tgt Ion: 82 Resp: 44248
Ion Ratio Lower Upper
82 100
95 7.8 5.8 8.6
138 17.9 14.7 22.1

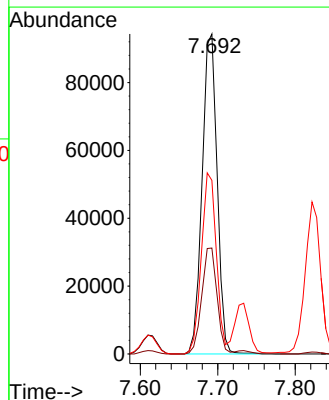
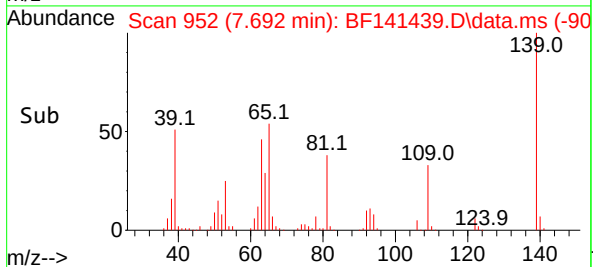
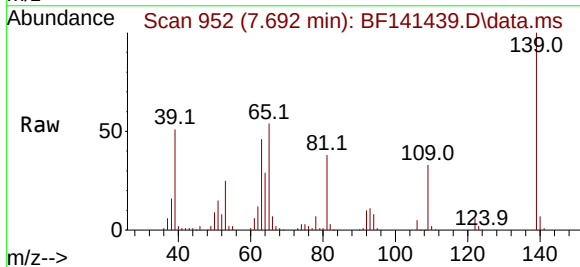
Manual Integrations
APPROVED

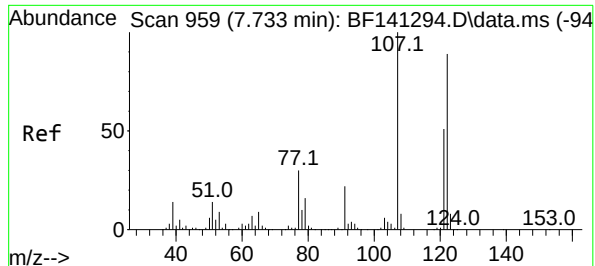
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#26
2-Nitrophenol
Concen: 47.983 ng
RT: 7.692 min Scan# 952
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion:139 Resp: 127059
Ion Ratio Lower Upper
139 100
109 33.1 23.8 35.6
65 54.2 42.2 63.4





#27

2,4-Dimethylphenol

Concen: 54.764 ng m

RT: 7.733 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF141439.D

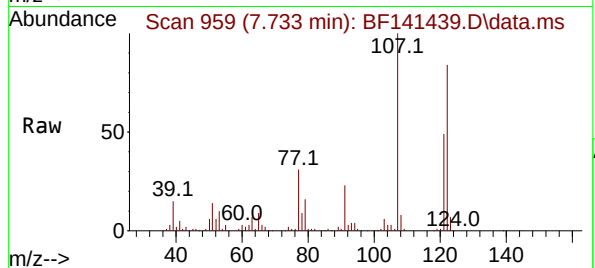
Acq: 05 Feb 2025 11:47

Instrument :

BNA_F

ClientSampleId :

PB166294BS



Tgt Ion:122 Resp: 18458

Ion Ratio Lower Upper

122 100

107 119.1 89.9 134.9

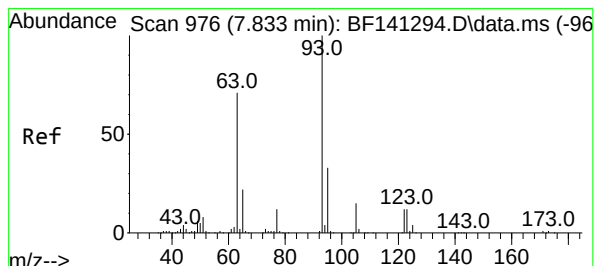
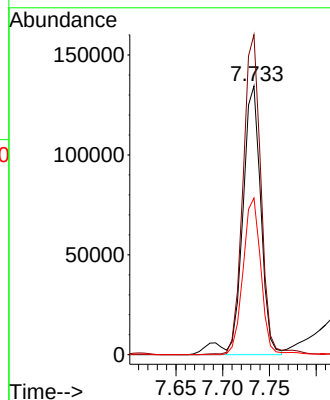
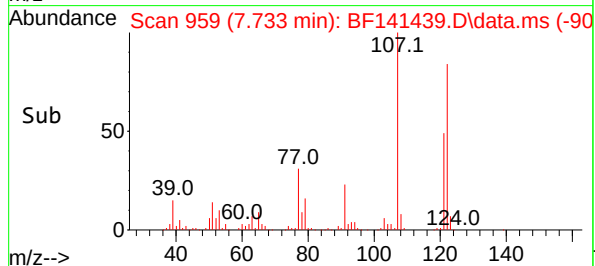
121 58.3 46.1 69.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#28

bis(2-Chloroethoxy)methane

Concen: 43.985 ng

RT: 7.822 min Scan# 974

Delta R.T. -0.018 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

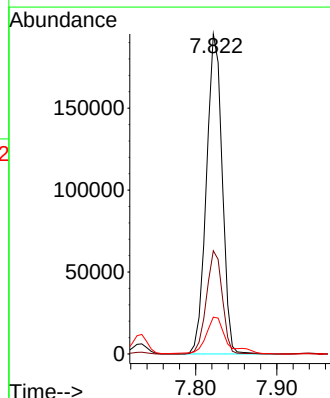
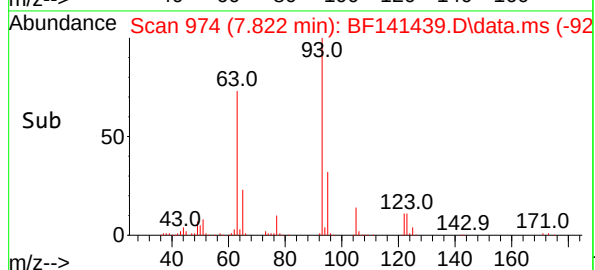
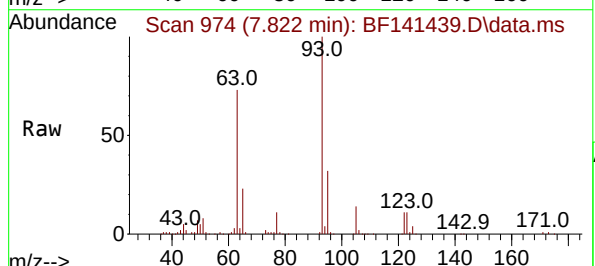
Tgt Ion: 93 Resp: 262769

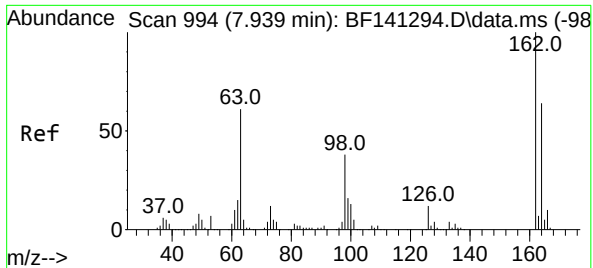
Ion Ratio Lower Upper

93 100

95 32.3 26.2 39.2

123 11.5 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 47.784 ng

RT: 7.939 min Scan# 994

Delta R.T. -0.006 min

Lab File: BF141439.D

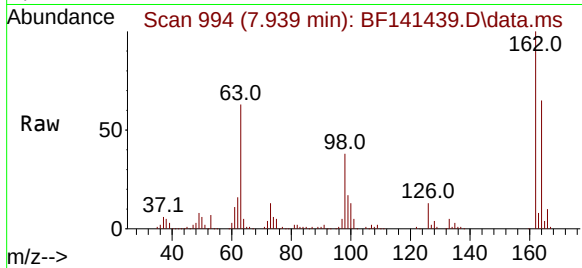
Acq: 05 Feb 2025 11:47

Instrument :

BNA_F

ClientSampleId :

PB166294BS



Tgt Ion:162 Resp: 197168

Ion Ratio Lower Upper

162 100

164 64.8 44.2 84.2

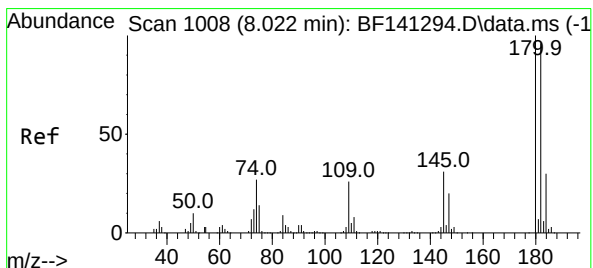
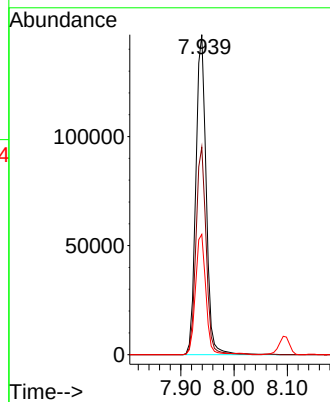
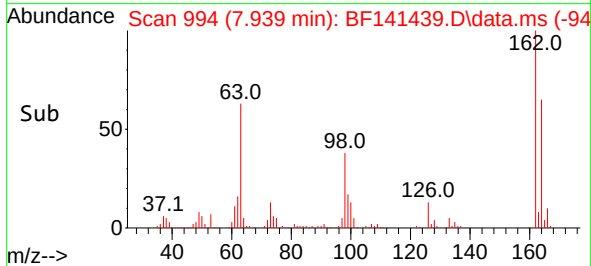
98 37.6 18.2 58.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#30

1,2,4-Trichlorobenzene

Concen: 45.347 ng

RT: 8.016 min Scan# 1007

Delta R.T. -0.012 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

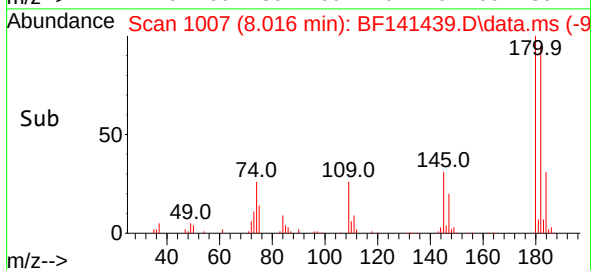
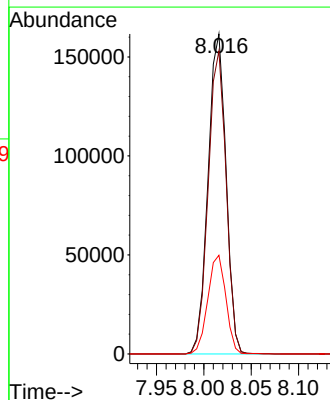
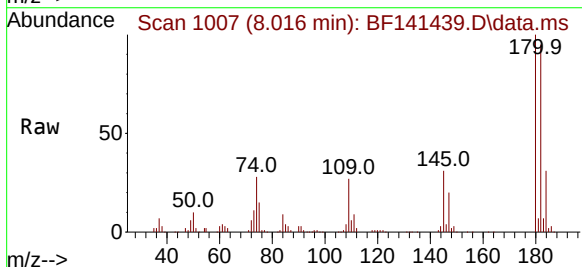
Tgt Ion:180 Resp: 213686

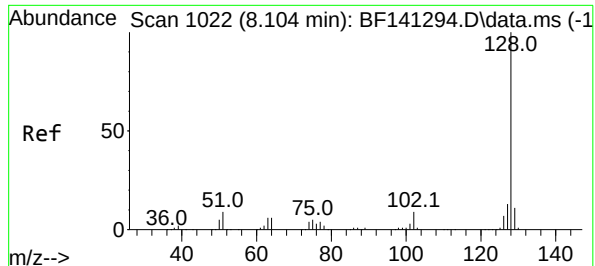
Ion Ratio Lower Upper

180 100

182 94.7 76.4 114.6

145 30.8 24.9 37.3





#31

Naphthalene

Concen: 45.810 ng

RT: 8.092 min Scan# 1022

Delta R.T. -0.018 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

Instrument :

BNA_F

ClientSampleId :

PB166294BS

Tgt Ion:128 Resp: 691208

Ion Ratio Lower Upper

128 100

129 11.2 8.9 13.3

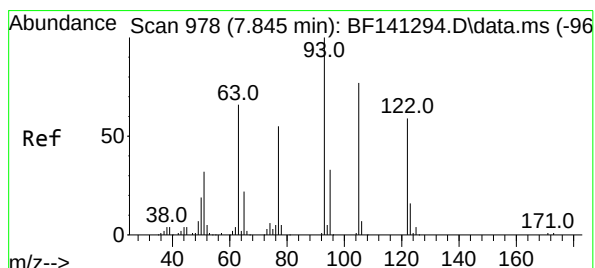
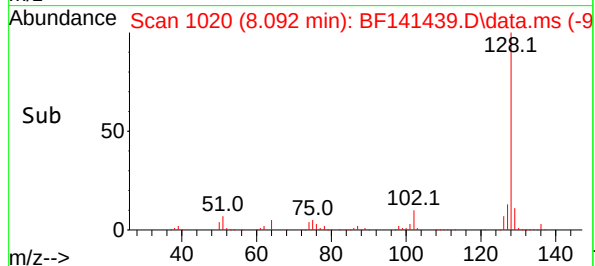
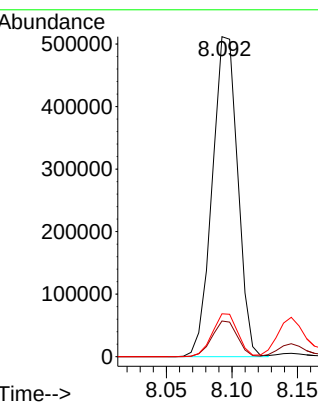
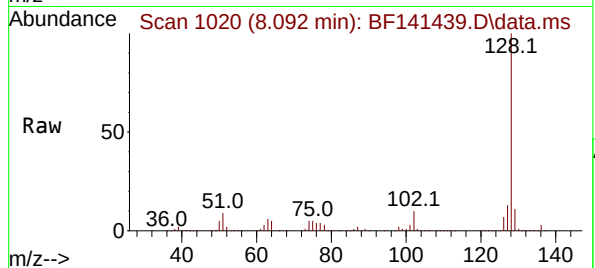
127 13.4 10.6 15.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#32

Benzoic acid

Concen: 44.774 ng

RT: 7.857 min Scan# 980

Delta R.T. -0.024 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

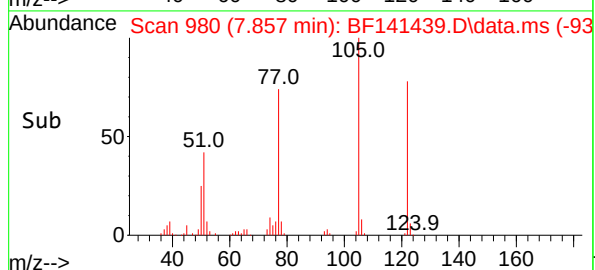
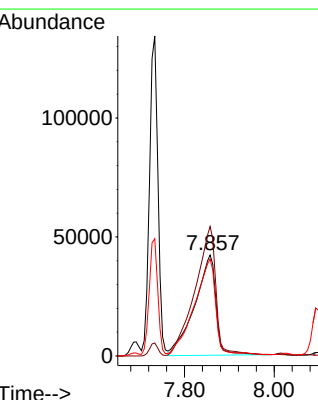
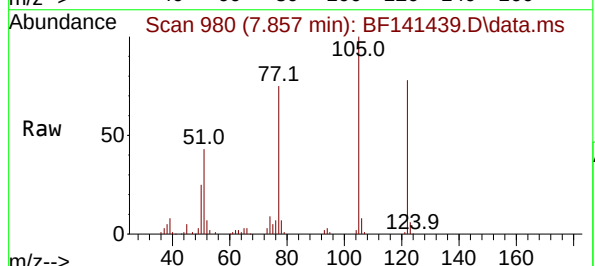
Tgt Ion:122 Resp: 138729

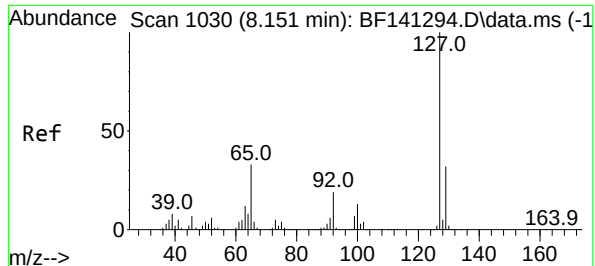
Ion Ratio Lower Upper

122 100

105 128.1 103.4 143.4

77 96.0 70.9 110.9





#33
4-Chloroaniline
Concen: 21.491 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Instrument :

BNA_F

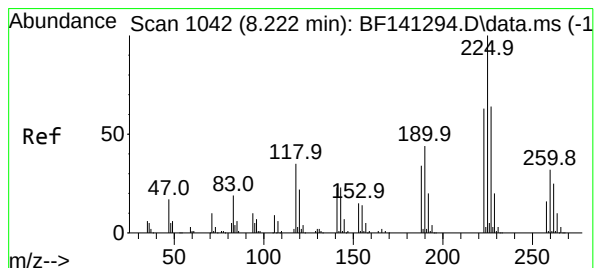
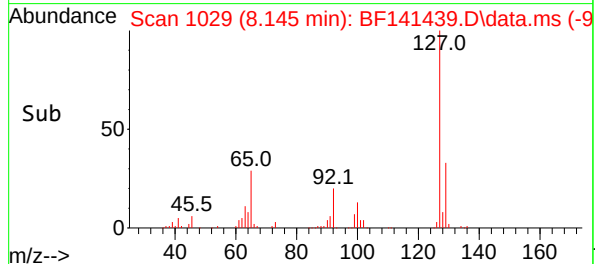
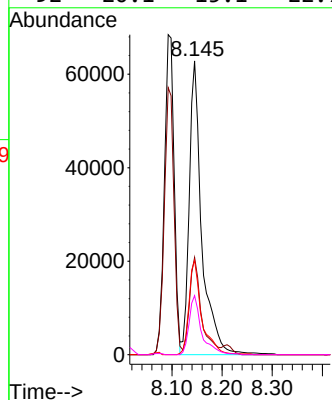
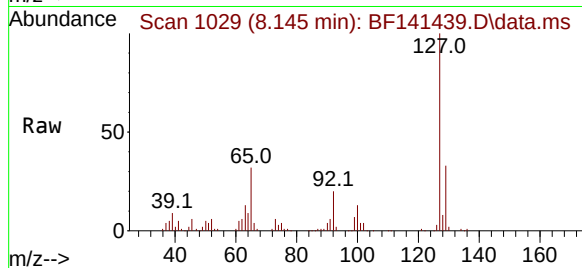
ClientSampleId :

PB166294BS

Tgt Ion:127 Resp: 10996
Ion Ratio Lower Upper
127 100
129 33.1 25.7 38.5
65 32.2 26.4 39.6
92 20.1 15.1 22.7

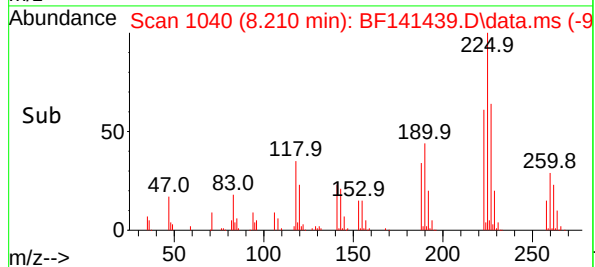
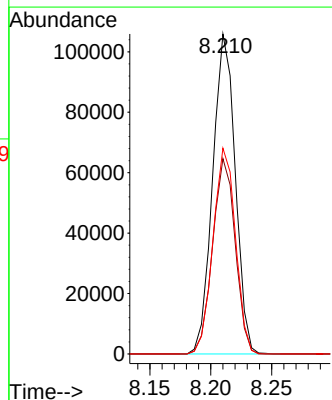
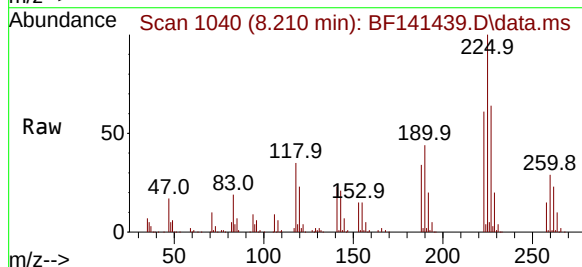
Manual Integrations
APPROVED

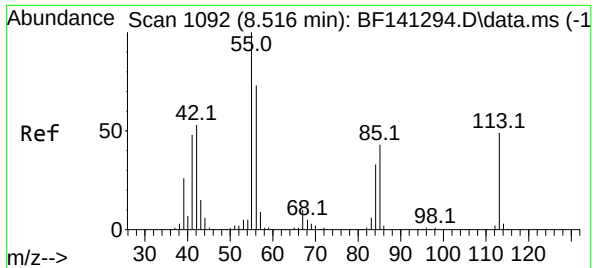
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#34
Hexachlorobutadiene
Concen: 49.340 ng
RT: 8.210 min Scan# 1040
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

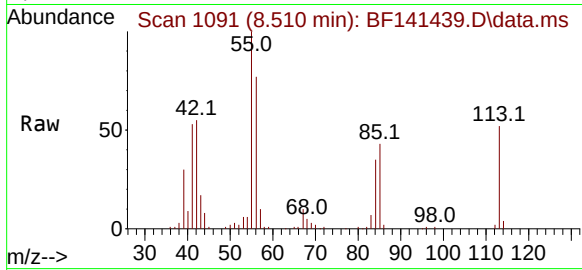
Tgt Ion:225 Resp: 136347
Ion Ratio Lower Upper
225 100
223 61.1 50.4 75.6
227 64.3 51.3 76.9





#35
Caprolactam
Concen: 46.162 ng m
RT: 8.510 min Scan# 1109
Delta R.T. -0.035 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

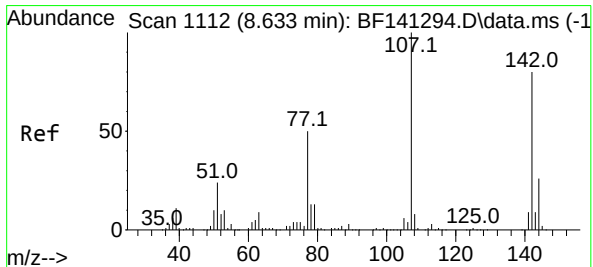
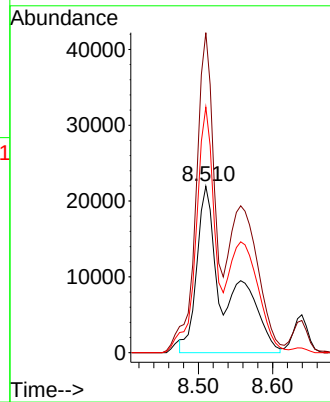
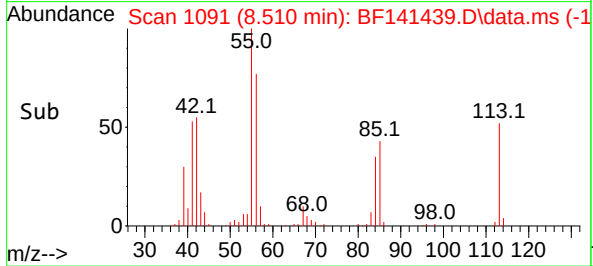
Instrument :
BNA_F
ClientSampleId :
PB166294BS



Tgt Ion:113 Resp: 6220
Ion Ratio Lower Upper
113 100
55 192.3 182.9 222.9
56 147.6 127.9 167.9

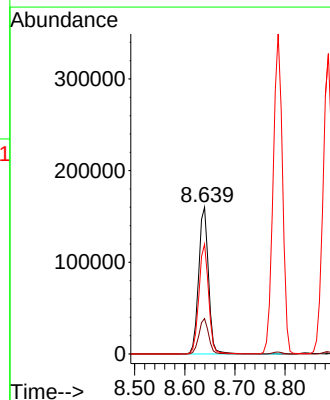
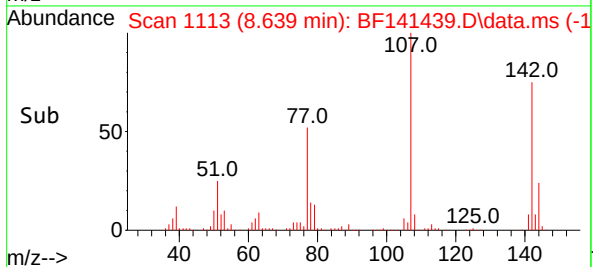
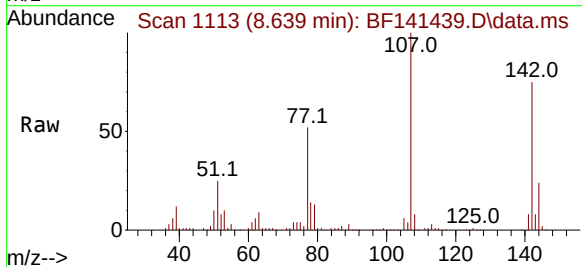
Manual Integrations
APPROVED

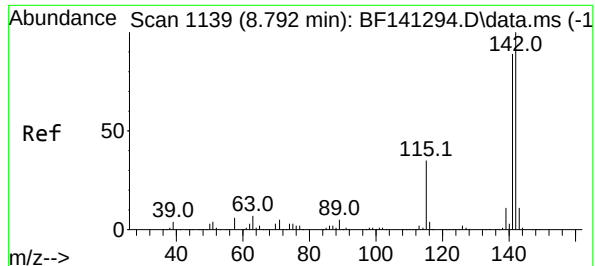
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#36
4-Chloro-3-methylphenol
Concen: 49.249 ng
RT: 8.639 min Scan# 1113
Delta R.T. -0.000 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion:107 Resp: 217975
Ion Ratio Lower Upper
107 100
144 24.2 20.7 31.1
142 74.8 63.8 95.8





#37

2-Methylnaphthalene

Concen: 46.970 ng

RT: 8.786 min Scan# 1138

Delta R.T. -0.012 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

Instrument :

BNA_F

ClientSampleId :

PB166294BS

Tgt Ion:142 Resp: 450445

Ion Ratio Lower Upper

142 100

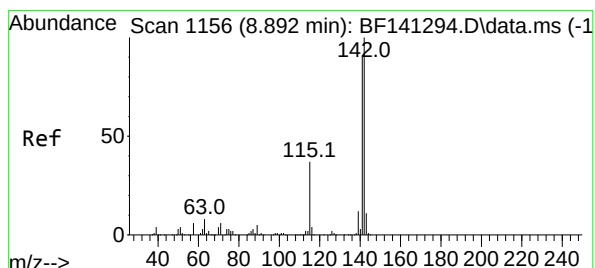
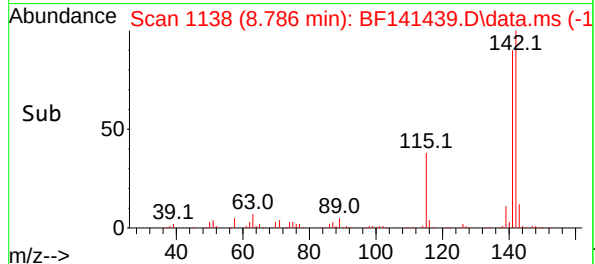
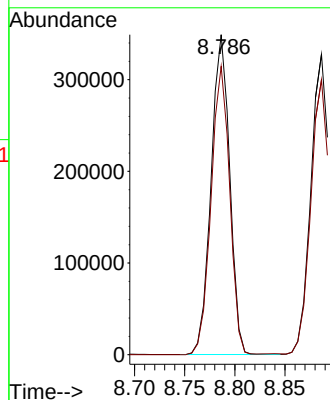
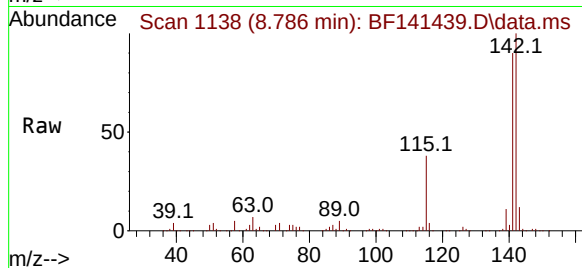
141 90.1 71.3 106.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#38

1-Methylnaphthalene

Concen: 44.773 ng

RT: 8.886 min Scan# 1155

Delta R.T. -0.012 min

Lab File: BF141439.D

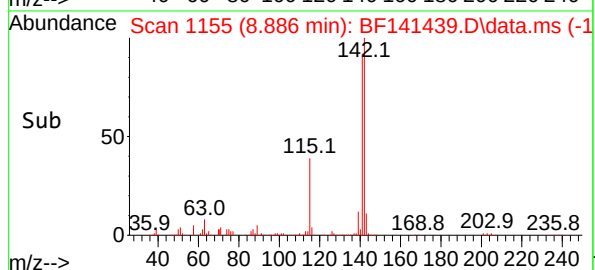
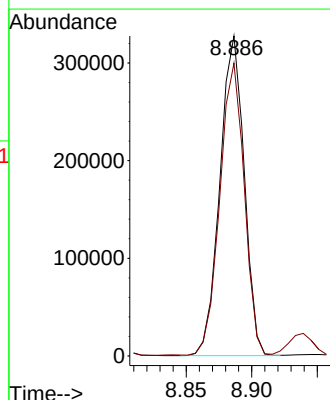
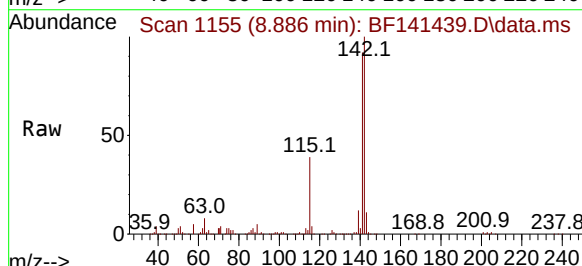
Acq: 05 Feb 2025 11:47

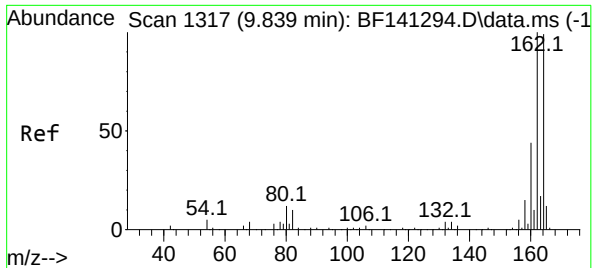
Tgt Ion:142 Resp: 421785

Ion Ratio Lower Upper

142 100

141 91.5 73.2 109.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.827 min Scan# 1165

Delta R.T. -0.012 min

Lab File: BF141439.D

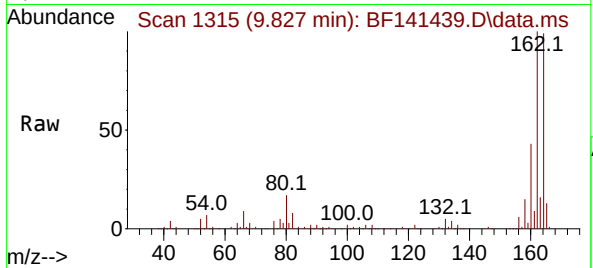
Acq: 05 Feb 2025 11:47

Instrument :

BNA_F

ClientSampleId :

PB166294BS



Tgt Ion:164 Resp: 157073

Ion Ratio Lower Upper

164 100

162 100.6 80.6 121.0

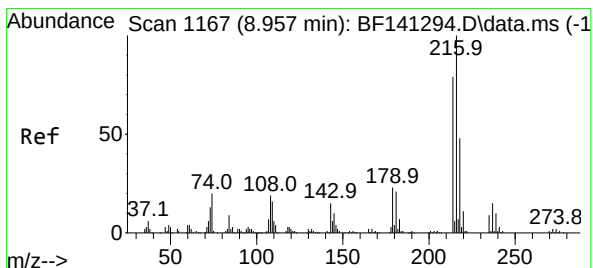
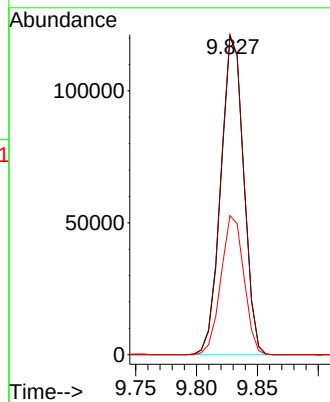
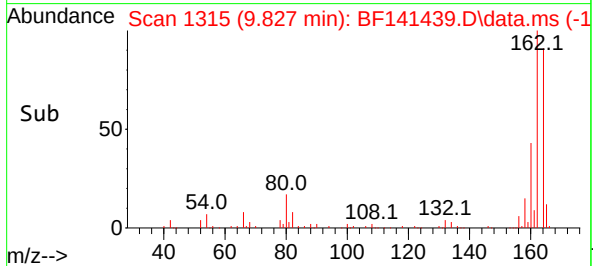
160 43.7 35.8 53.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#40

1,2,4,5-Tetrachlorobenzene

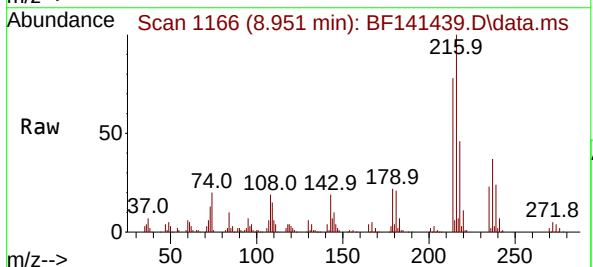
Concen: 47.747 ng

RT: 8.951 min Scan# 1166

Delta R.T. -0.012 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47



Tgt Ion:216 Resp: 213361

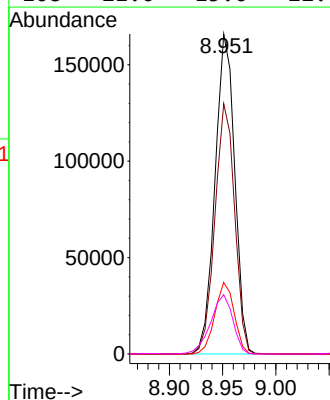
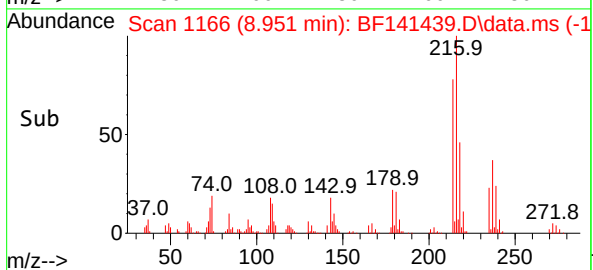
Ion Ratio Lower Upper

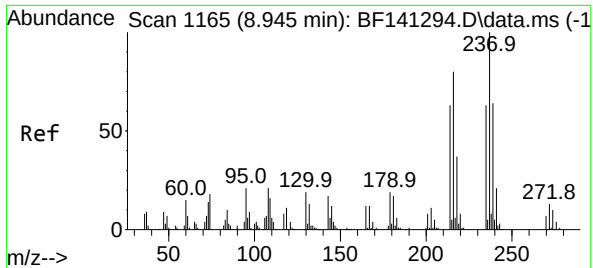
216 100

214 78.1 63.2 94.8

179 22.0 17.8 26.8

108 21.0 15.0 22.6





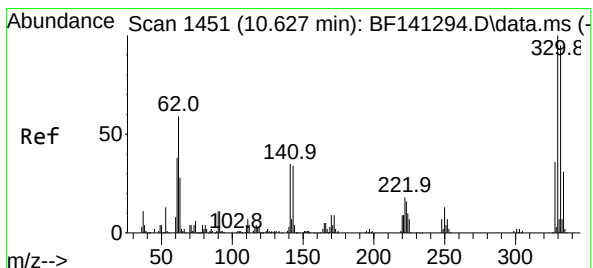
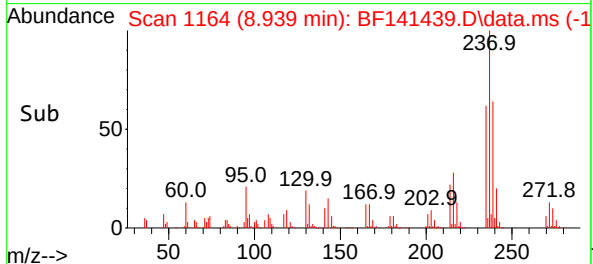
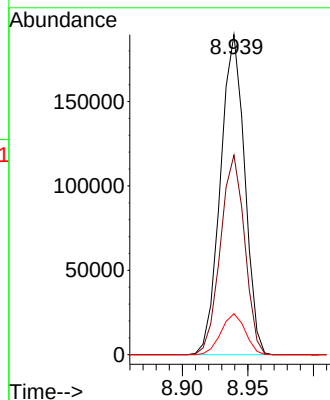
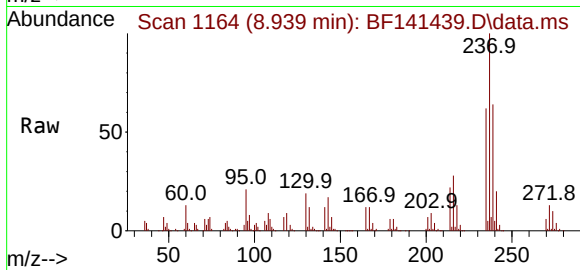
#41
Hexachlorocyclopentadiene
Concen: 184.182 ng
RT: 8.939 min Scan# 1164
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Instrument :
BNA_F
ClientSampleId :
PB166294BS

Tgt Ion:237 Resp: 24306
Ion Ratio Lower Upper
237 100
235 62.3 42.9 82.9
272 12.8 0.0 32.8

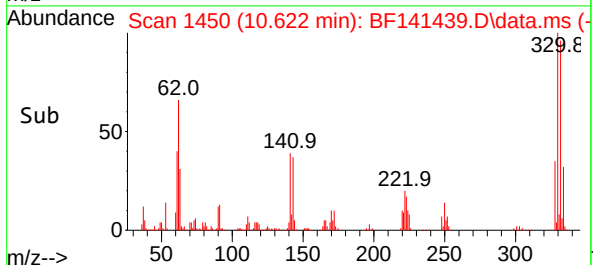
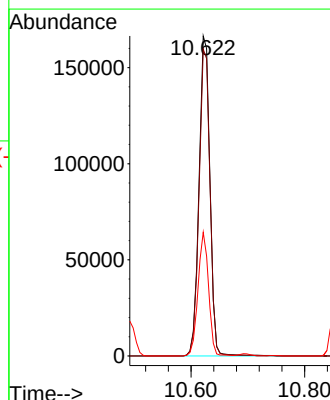
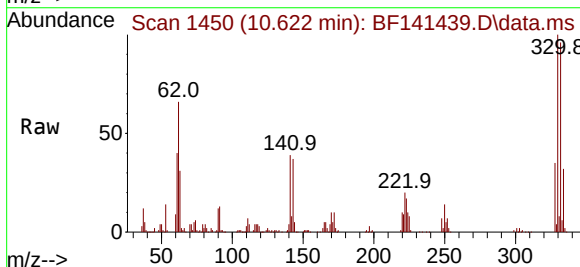
Manual Integrations
APPROVED

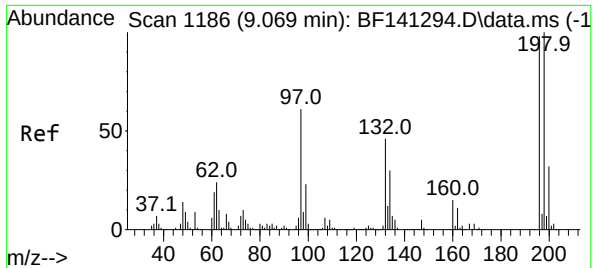
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#42
2,4,6-Tribromophenol
Concen: 154.841 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion:330 Resp: 222970
Ion Ratio Lower Upper
330 100
332 95.7 76.1 114.1
141 37.4 28.8 43.2





#43

2,4,6-Trichlorophenol

Concen: 47.690 ng

RT: 9.069 min Scan# 1186

Delta R.T. -0.006 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

Instrument :

BNA_F

ClientSampleId :

PB166294BS

Tgt Ion:196 Resp: 139484

Ion Ratio Lower Upper

196 100

198 100.9 81.8 122.6

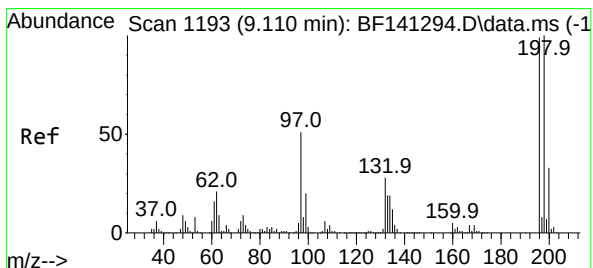
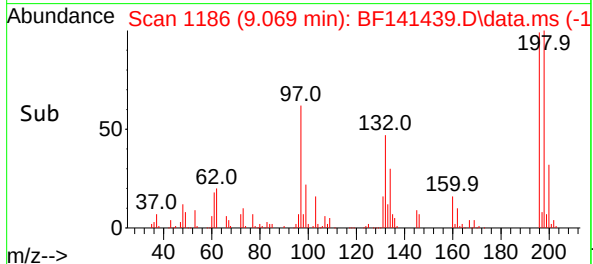
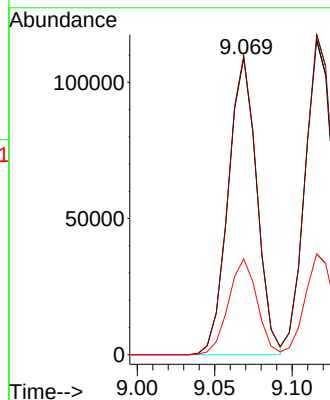
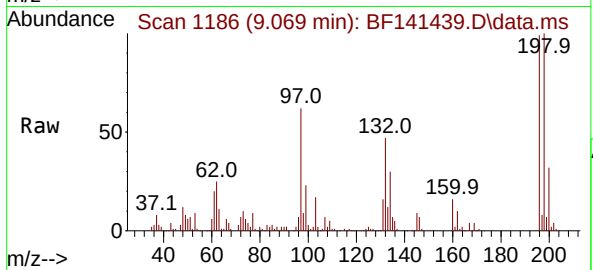
200 32.3 26.3 39.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#44

2,4,5-Trichlorophenol

Concen: 46.613 ng

RT: 9.116 min Scan# 1194

Delta R.T. -0.000 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

Tgt Ion:196 Resp: 148386

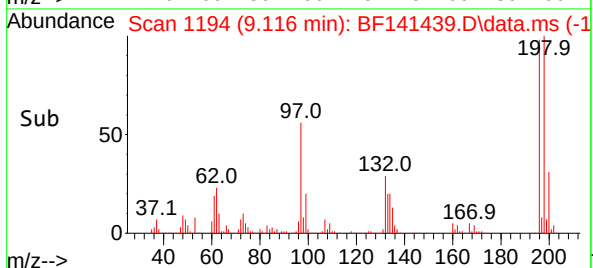
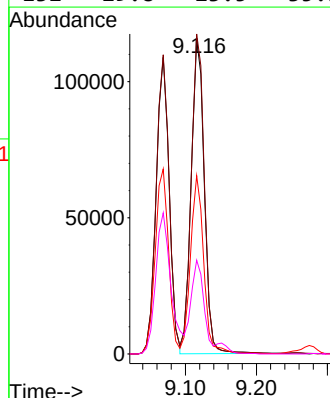
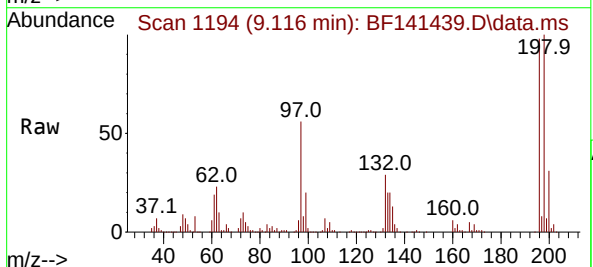
Ion Ratio Lower Upper

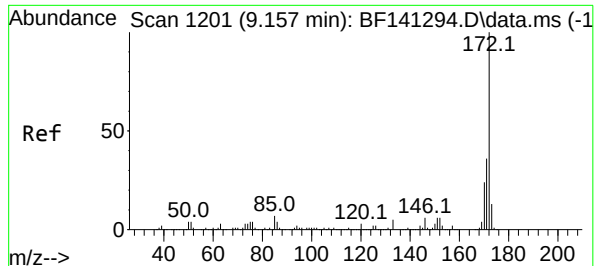
196 100

198 101.7 80.5 120.7

97 56.7 42.8 64.2

132 29.8 23.5 35.3





#45

2-Fluorobiphenyl

Concen: 93.540 ng

RT: 9.151 min Scan# 1200

Delta R.T. -0.012 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

Instrument :

BNA_F

ClientSampleId :

PB166294BS

Tgt Ion:172 Resp: 95457

Ion Ratio Lower Upper

172 100

171 35.4 28.8 43.2

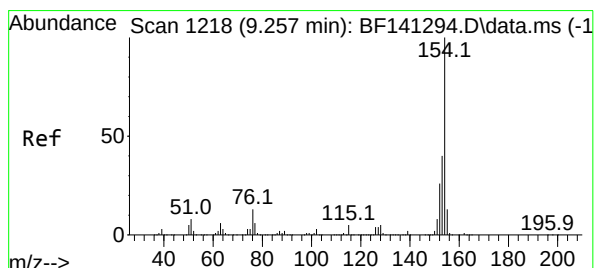
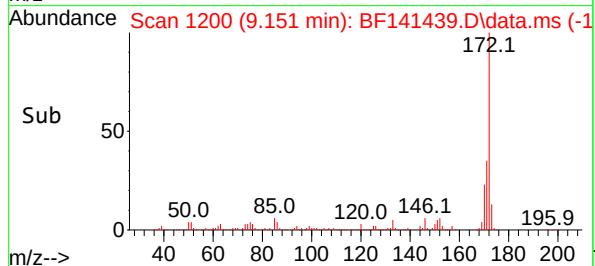
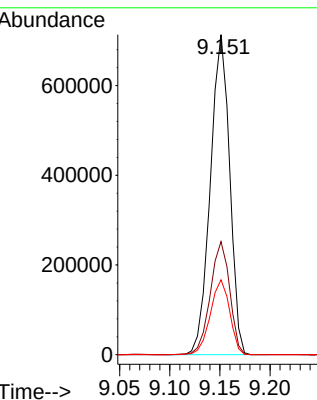
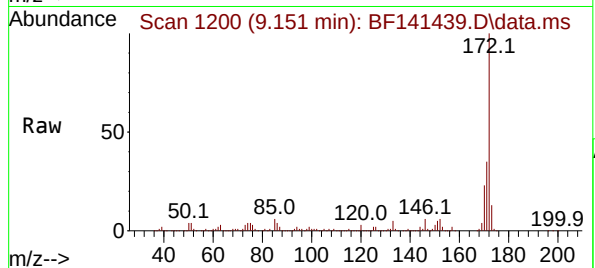
170 23.4 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#46

1,1'-Biphenyl

Concen: 46.418 ng

RT: 9.251 min Scan# 1217

Delta R.T. -0.012 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

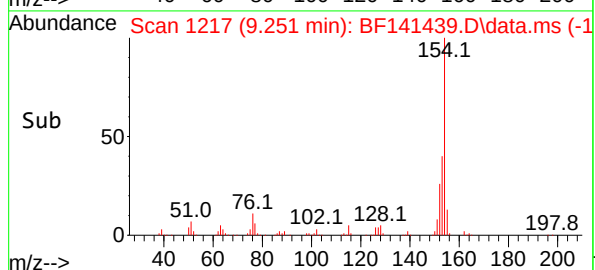
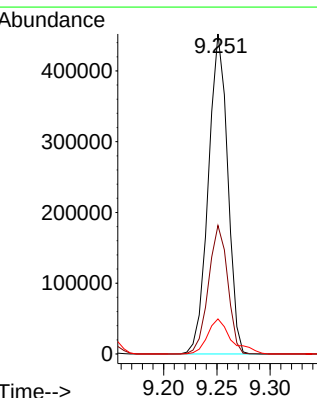
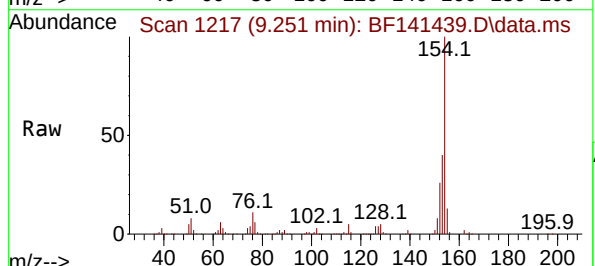
Tgt Ion:154 Resp: 568607

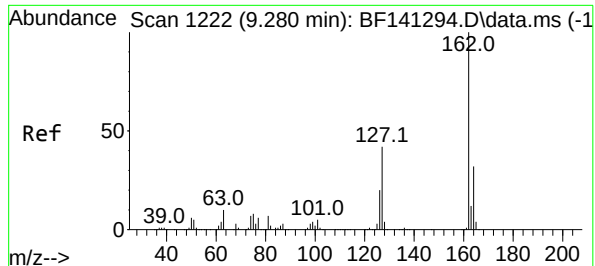
Ion Ratio Lower Upper

154 100

153 40.2 20.0 60.0

76 11.0 0.0 32.8





#47

2-Chloronaphthalene

Concen: 44.705 ng

RT: 9.275 min Scan# 1221

Delta R.T. -0.012 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

Instrument :

BNA_F

ClientSampleId :

PB166294BS

Tgt Ion:162 Resp: 426849

Ion Ratio Lower Upper

162 100

127 42.6 33.7 50.5

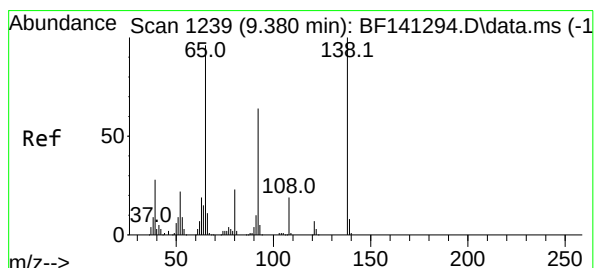
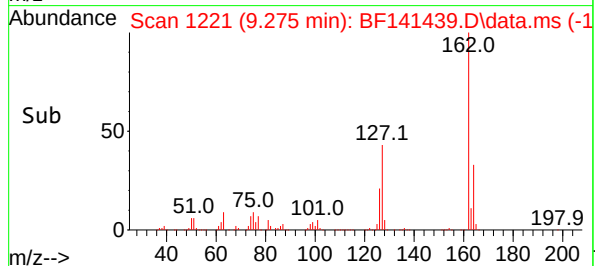
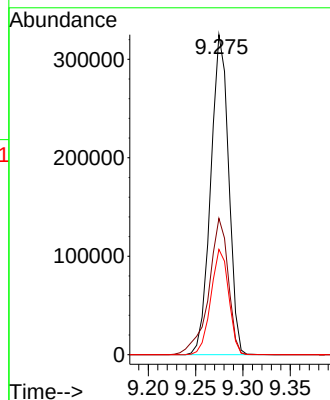
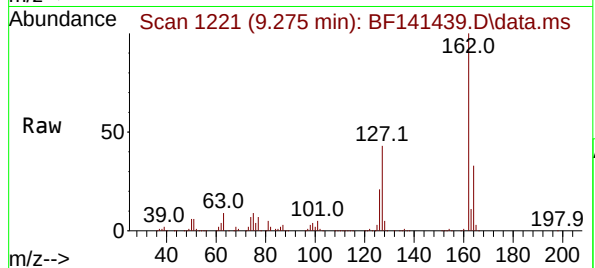
164 32.9 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#48

2-Nitroaniline

Concen: 49.051 ng

RT: 9.375 min Scan# 1238

Delta R.T. -0.006 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

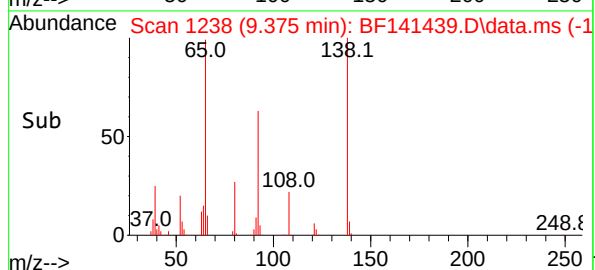
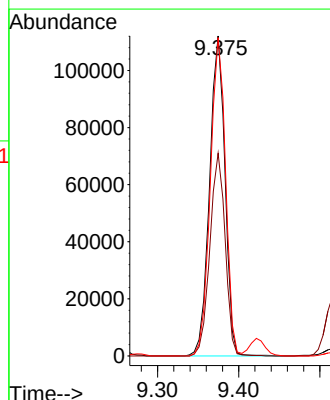
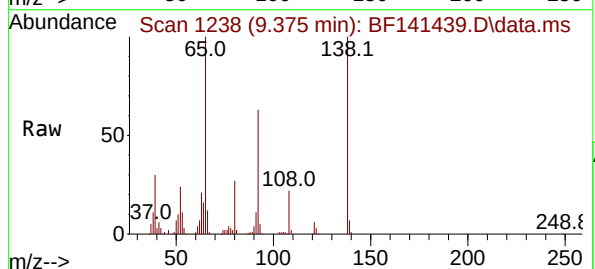
Tgt Ion: 65 Resp: 147311

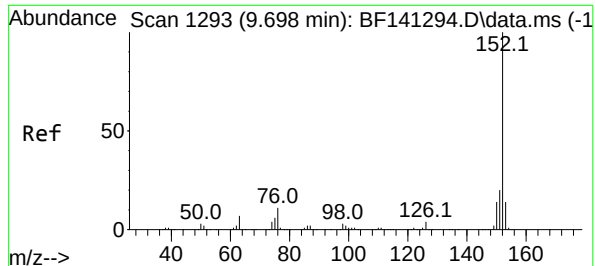
Ion Ratio Lower Upper

65 100

92 63.4 53.3 79.9

138 99.5 83.6 125.4





#49

Acenaphthylene

Concen: 49.100 ng

RT: 9.692 min Scan# 1293

Delta R.T. -0.012 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

Instrument :

BNA_F

ClientSampleId :

PB166294BS

Tgt Ion:152 Resp: 656250

Ion Ratio Lower Upper

152 100

151 20.3 16.2 24.2

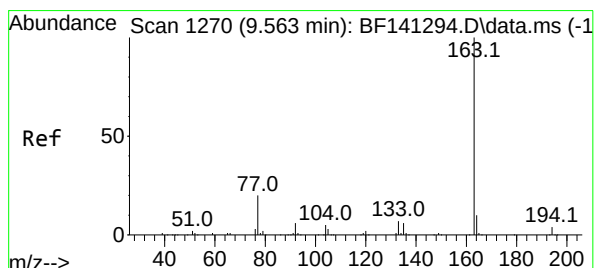
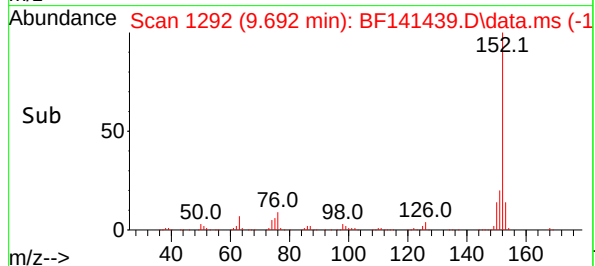
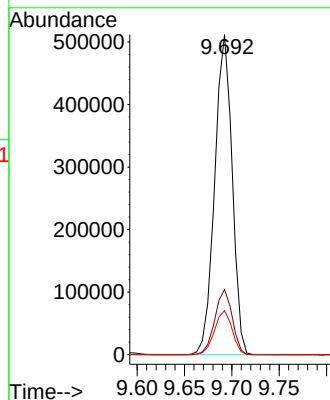
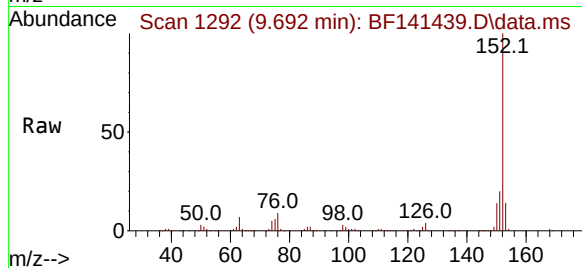
153 13.8 11.0 16.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#50

Dimethylphthalate

Concen: 47.568 ng

RT: 9.557 min Scan# 1269

Delta R.T. -0.012 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

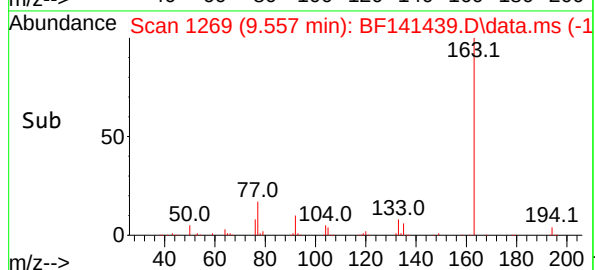
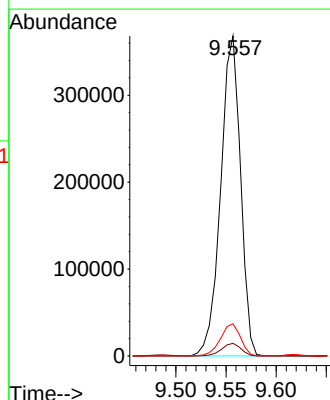
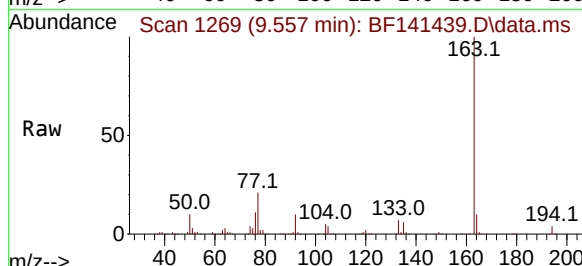
Tgt Ion:163 Resp: 504634

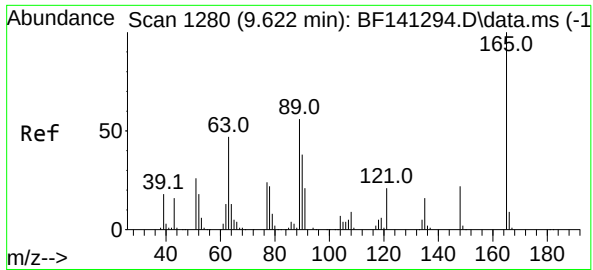
Ion Ratio Lower Upper

163 100

194 4.0 3.0 4.6

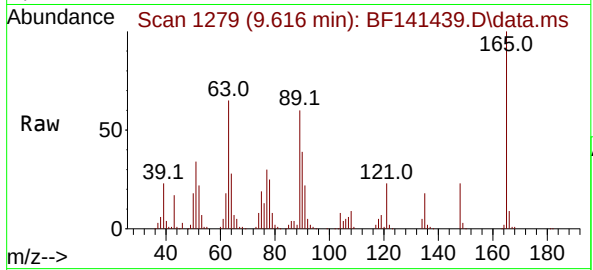
164 10.0 8.0 12.0





#51
2,6-Dinitrotoluene
Concen: 44.859 ng
RT: 9.616 min Scan# 110490
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

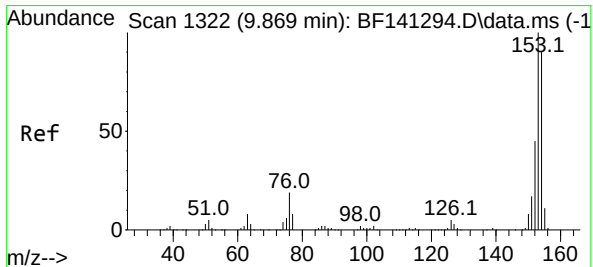
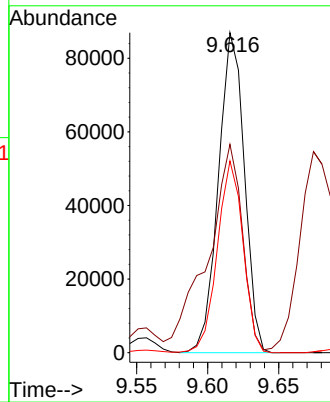
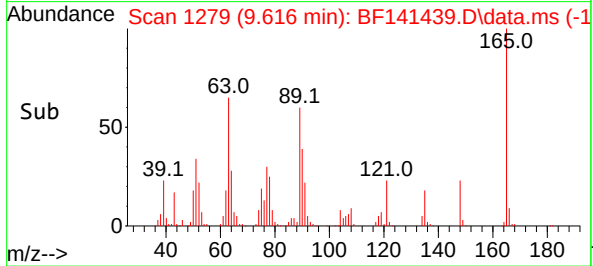
Instrument :
BNA_F
ClientSampleId :
PB166294BS



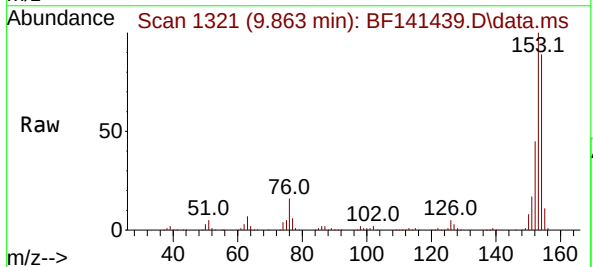
Tgt Ion:165 Resp: 110490
Ion Ratio Lower Upper
165 100
63 65.1 48.1 72.1
89 59.9 44.9 67.3

Manual Integrations
APPROVED

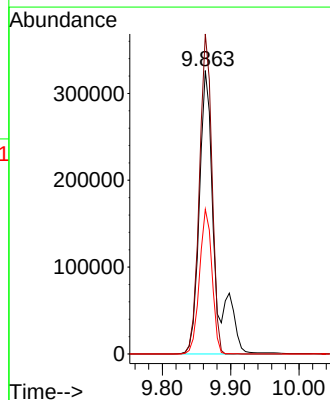
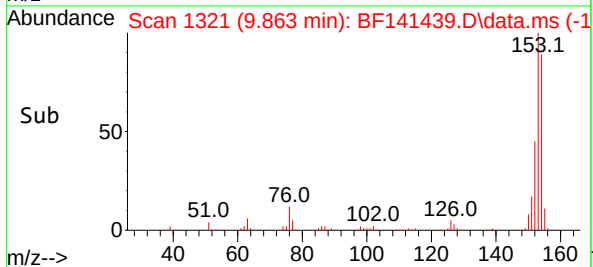
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

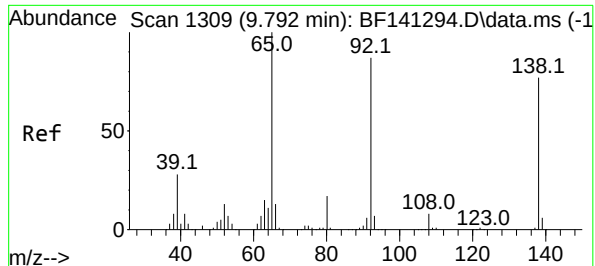


#52
Acenaphthene
Concen: 53.490 ng m
RT: 9.863 min Scan# 1321
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47



Tgt Ion:154 Resp: 510747
Ion Ratio Lower Upper
154 100
153 112.9 89.0 133.4
152 51.0 40.2 60.4





#53

3-Nitroaniline

Concen: 27.076 ng

RT: 9.786 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

Instrument :

BNA_F

ClientSampleId :

PB166294BS

Tgt Ion:138 Resp: 6536

Ion Ratio Lower Upper

138 100

108 10.9 8.6 12.8

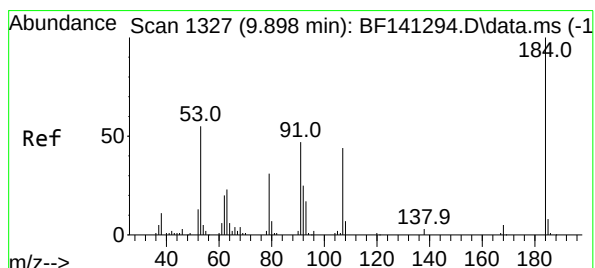
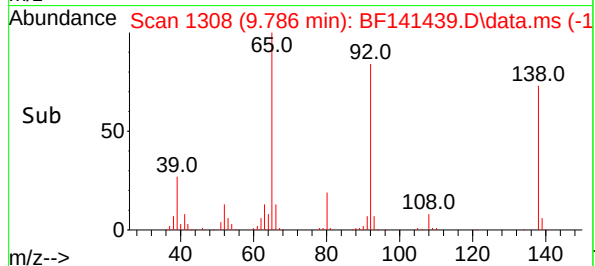
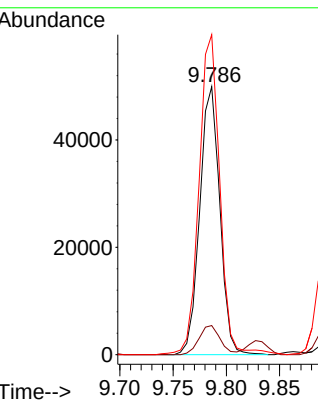
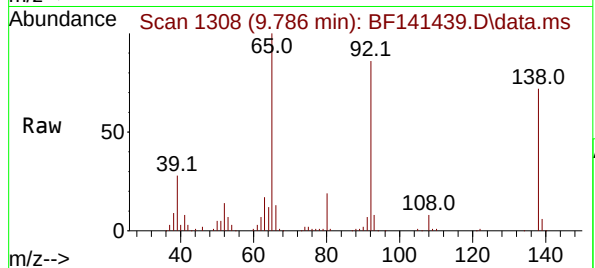
92 119.4 91.0 136.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#54

2,4-Dinitrophenol

Concen: 114.095 ng

RT: 9.898 min Scan# 1327

Delta R.T. -0.006 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

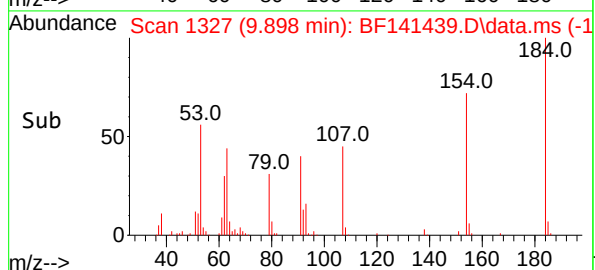
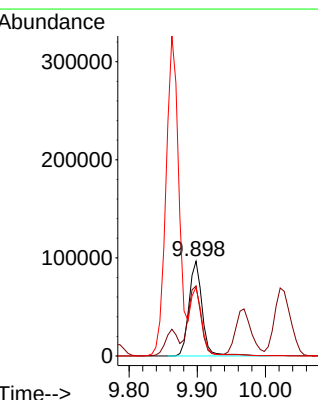
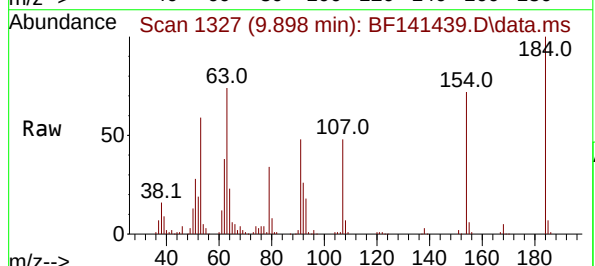
Tgt Ion:184 Resp: 130643

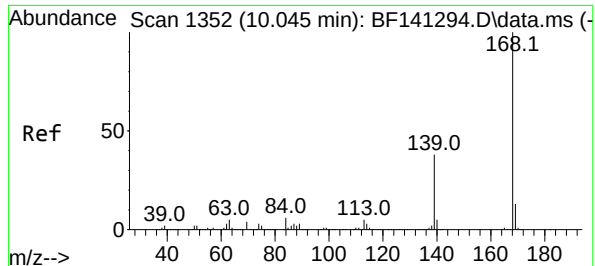
Ion Ratio Lower Upper

184 100

63 74.1 54.1 81.1

154 72.5 50.7 76.1





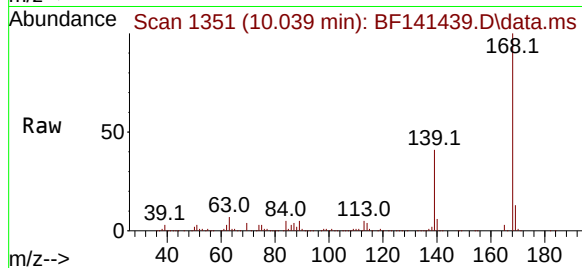
#55
Dibenzenofuran
Concen: 47.164 ng
RT: 10.039 min Scan# 1351
Delta R.T. -0.006 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Instrument :

BNA_F

ClientSampleId :

PB166294BS

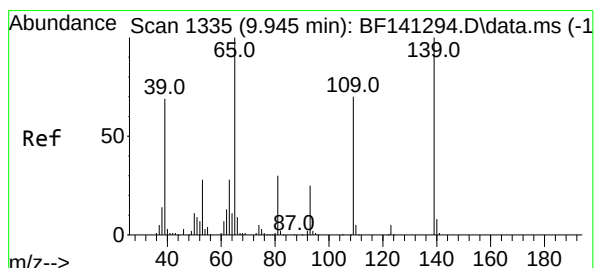
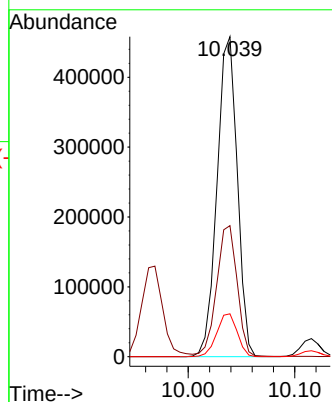
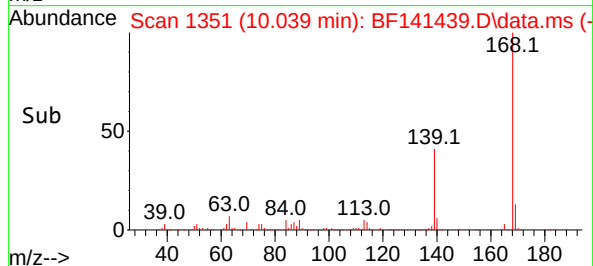


Tgt Ion:168 Resp: 60280
Ion Ratio Lower Upper
168 100
139 41.0 30.6 46.0
169 13.4 10.8 16.2

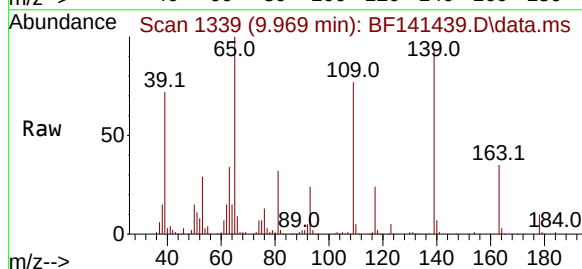
Manual Integrations

APPROVED

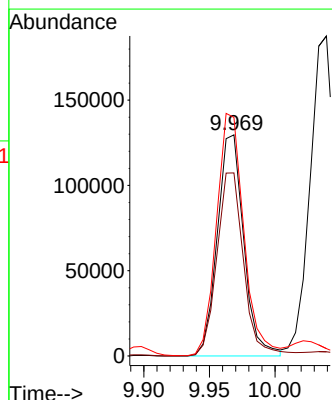
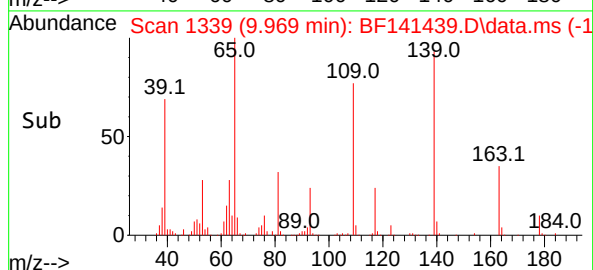
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

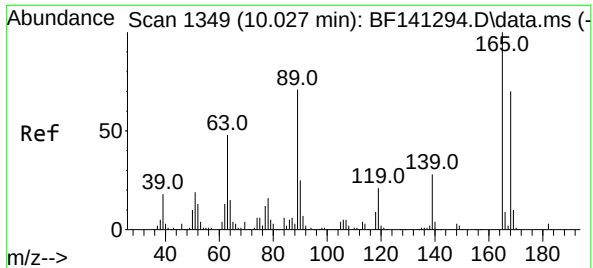


#56
4-Nitrophenol
Concen: 102.840 ng
RT: 9.969 min Scan# 1339
Delta R.T. 0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47



Tgt Ion:139 Resp: 181575
Ion Ratio Lower Upper
139 100
109 82.8 50.2 90.2
65 107.9 80.6 120.6





#57
2,4-Dinitrotoluene
Concen: 49.490 ng
RT: 10.022 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Instrument :

BNA_F

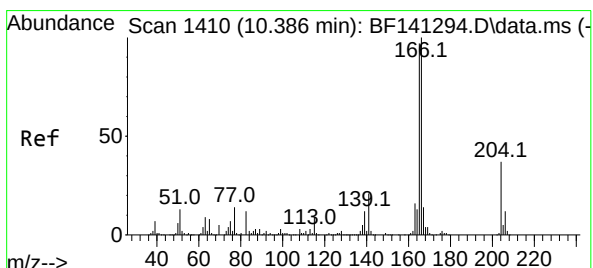
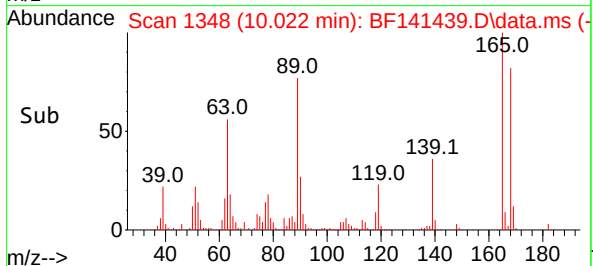
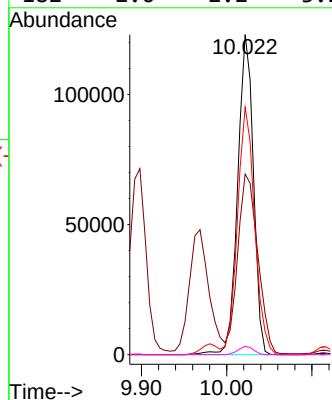
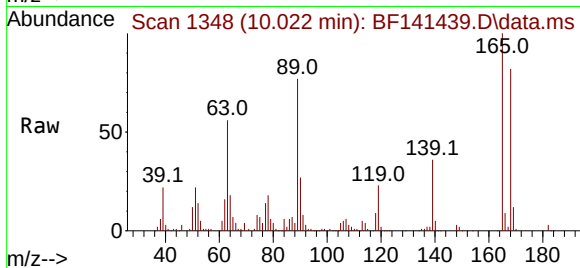
ClientSampleId :

PB166294BS

Tgt Ion:165 Resp: 15783
Ion Ratio Lower Upper
165 100
63 56.4 39.2 58.8
89 77.3 56.9 85.3
182 2.6 2.2 3.2

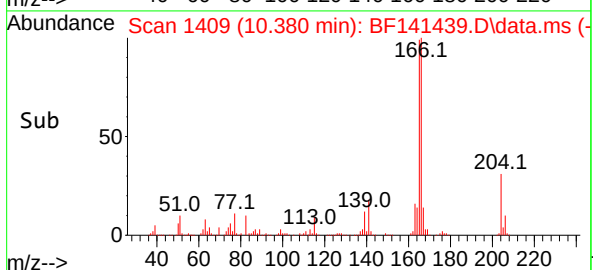
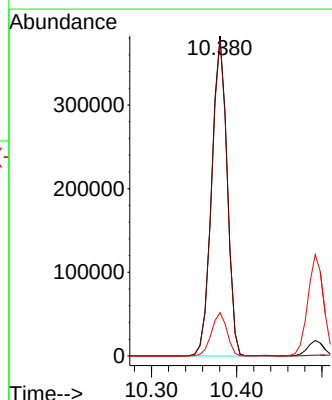
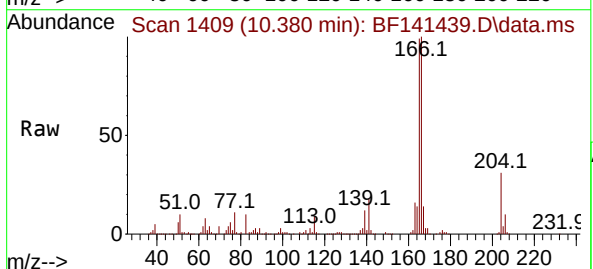
Manual Integrations
APPROVED

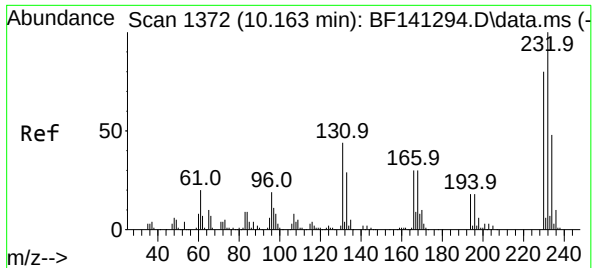
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#58
Fluorene
Concen: 48.663 ng
RT: 10.380 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

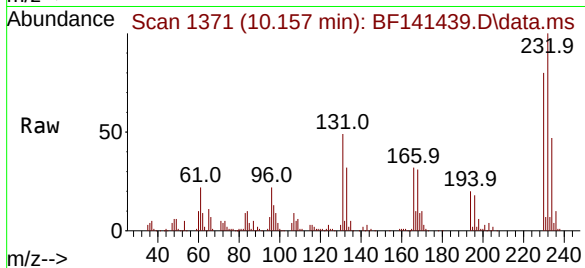
Tgt Ion:166 Resp: 482443
Ion Ratio Lower Upper
166 100
165 98.9 77.5 116.3
167 13.5 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 51.336 ng m
RT: 10.157 min Scan# 1371
Delta R.T. -0.006 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

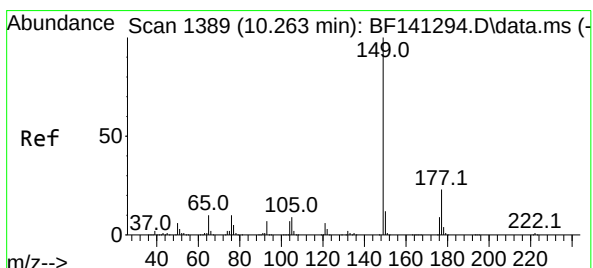
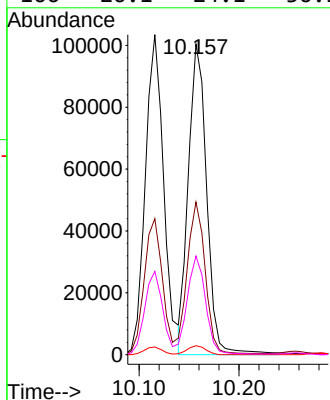
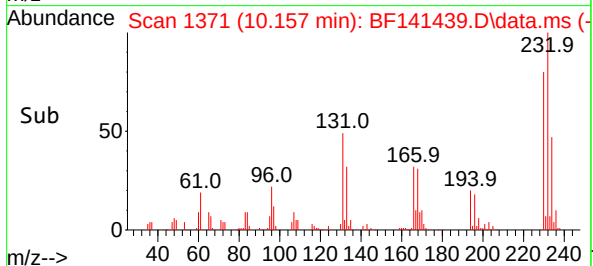
Instrument :
BNA_F
ClientSampleId :
PB166294BS



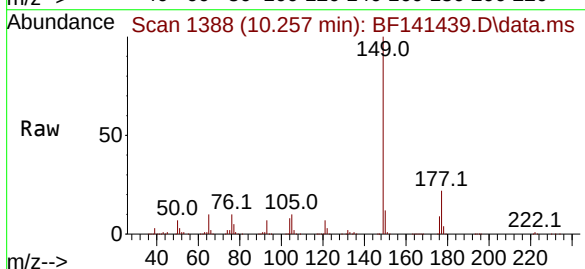
Tgt Ion:232 Resp: 12856
Ion Ratio Lower Upper
232 100
131 43.3 36.4 54.6
130 2.5 1.9 2.9
166 26.1 24.1 36.1

Manual Integrations
APPROVED

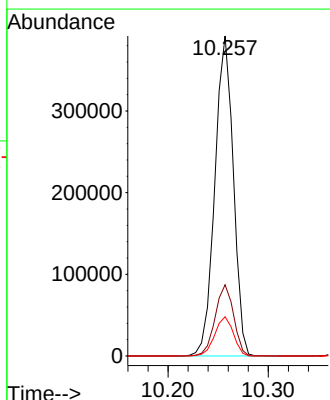
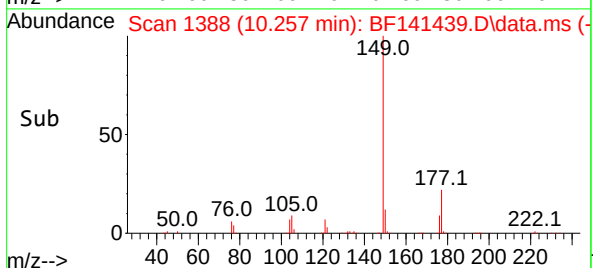
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

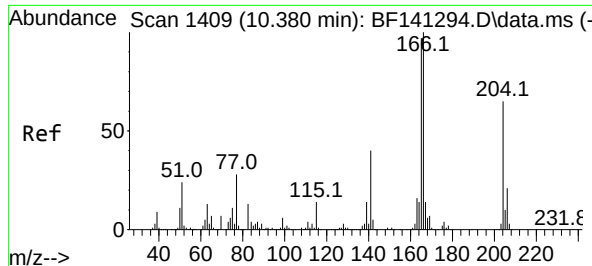


#60
Diethylphthalate
Concen: 48.702 ng
RT: 10.257 min Scan# 1388
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47



Tgt Ion:149 Resp: 500958
Ion Ratio Lower Upper
149 100
177 22.2 18.5 27.7
150 12.3 10.0 15.0





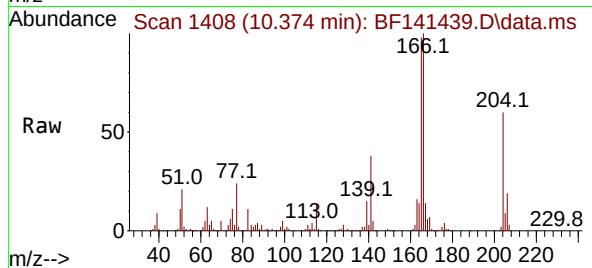
#61
4-Chlorophenyl-phenylether
Concen: 48.279 ng
RT: 10.374 min Scan# 1409
Delta R.T. -0.006 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Instrument :

BNA_F

ClientSampleId :

PB166294BS

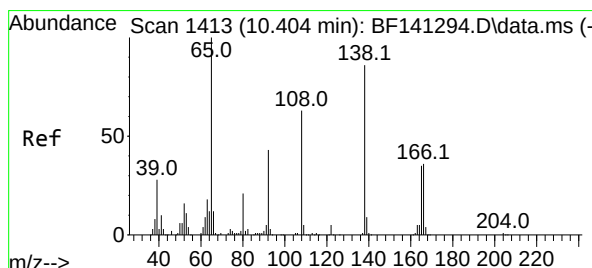
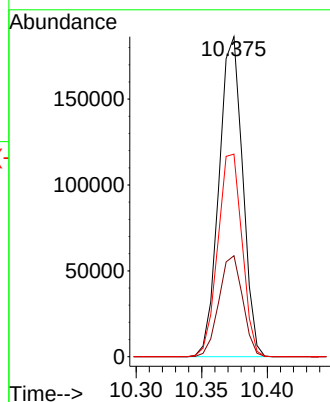
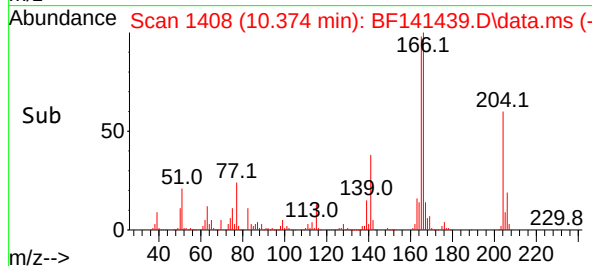


Tgt Ion:204 Resp: 23380
Ion Ratio Lower Upper
204 100
206 31.5 25.9 38.9
141 63.3 49.5 74.3

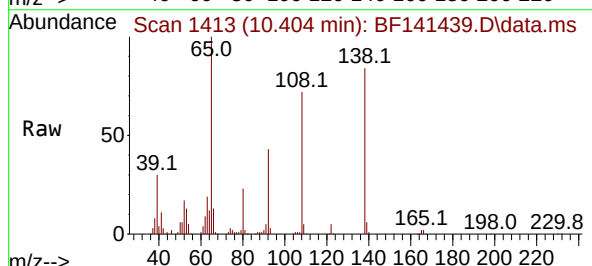
Manual Integrations

APPROVED

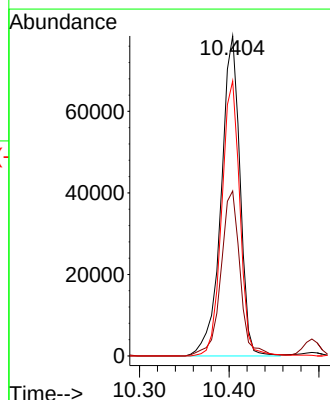
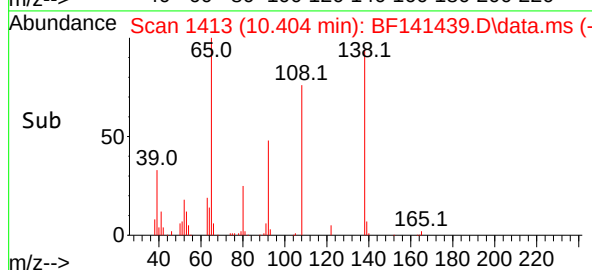
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

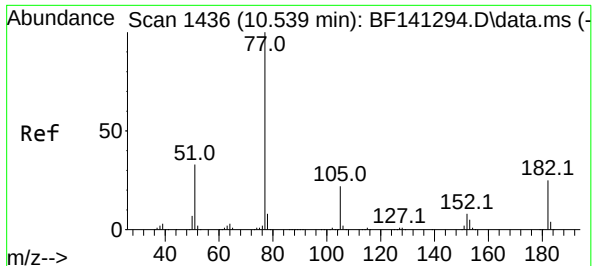


#62
4-Nitroaniline
Concen: 48.402 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47



Tgt Ion:138 Resp: 114882
Ion Ratio Lower Upper
138 100
92 51.6 30.1 70.1
108 85.9 53.1 93.1





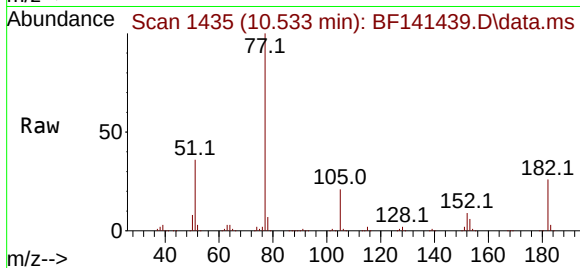
#63
Azobenzene
Concen: 46.750 ng
RT: 10.533 min Scan# 1435
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Instrument :

BNA_F

ClientSampleId :

PB166294BS

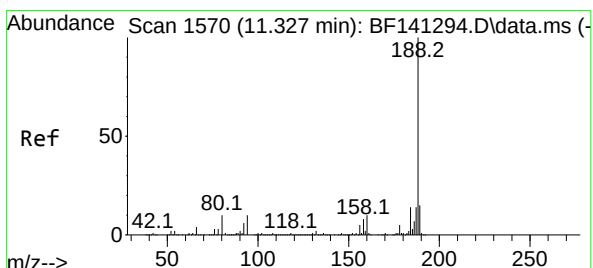
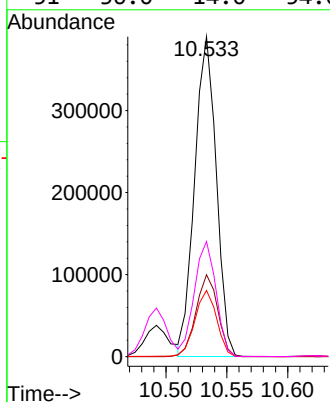
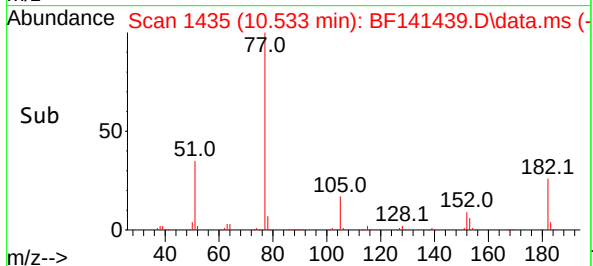


Tgt Ion: 77 Resp: 481359
Ion Ratio Lower Upper
77 100
182 25.6 5.1 45.1
105 20.7 1.8 41.8
51 36.0 14.0 54.0

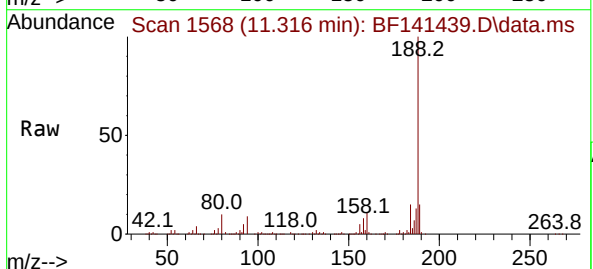
Manual Integrations

APPROVED

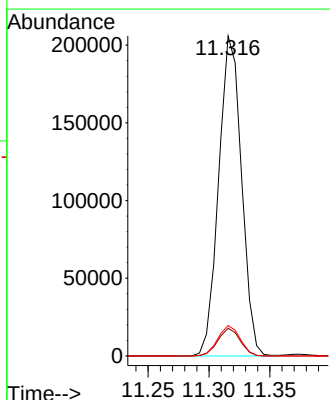
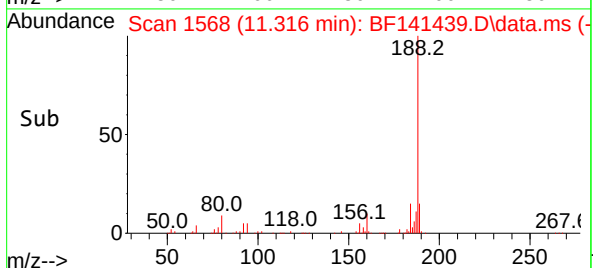
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

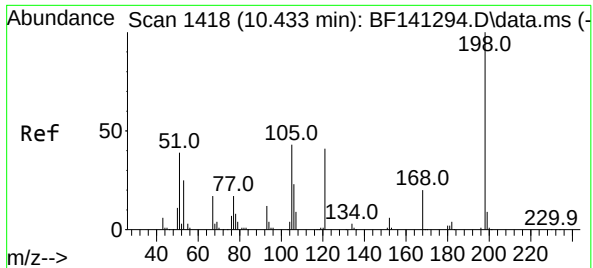


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47



Tgt Ion:188 Resp: 268815
Ion Ratio Lower Upper
188 100
94 8.6 7.8 11.6
80 9.5 8.2 12.4





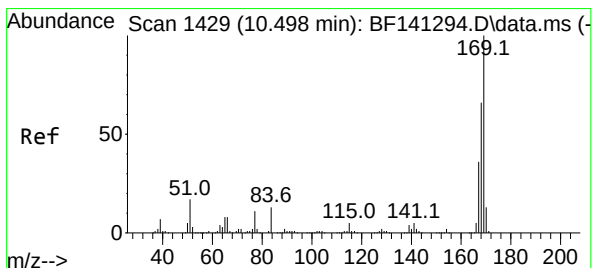
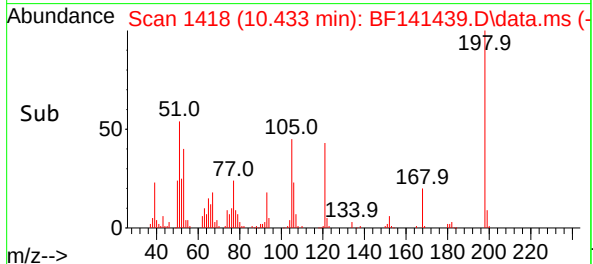
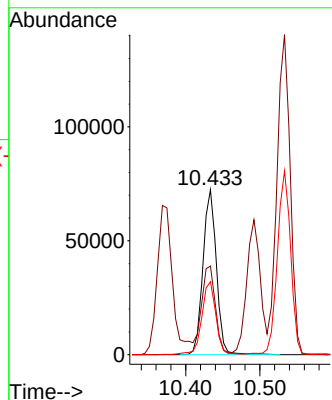
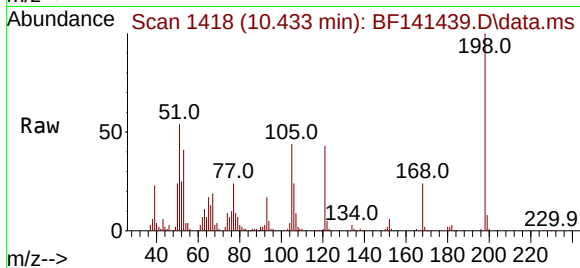
#65
4,6-Dinitro-2-methylphenol
Concen: 57.286 ng
RT: 10.433 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Instrument :
BNA_F
ClientSampleId :
PB166294BS

Tgt Ion:198 Resp: 9108
Ion Ratio Lower Upper
198 100
51 53.8 33.4 73.4
105 44.3 24.4 64.4

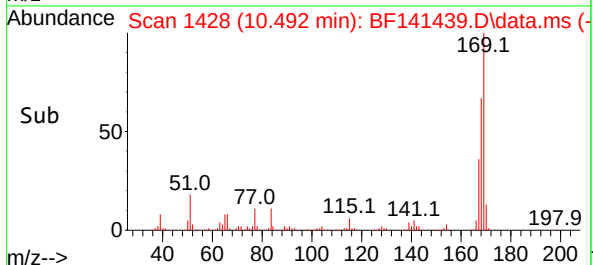
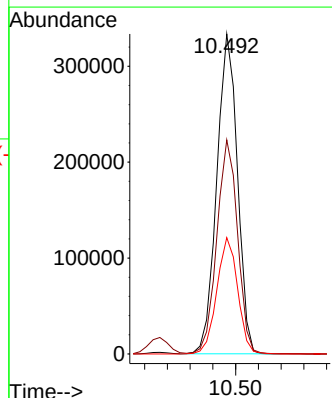
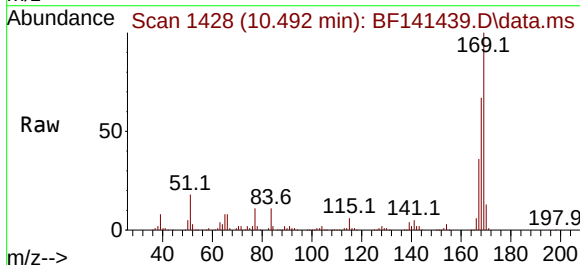
Manual Integrations
APPROVED

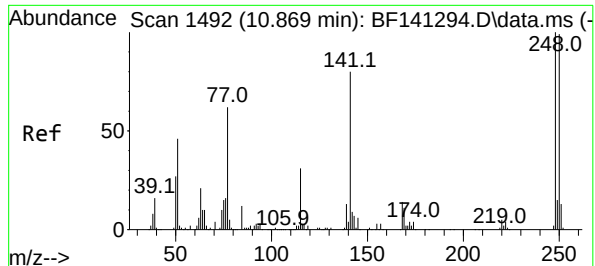
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#66
n-Nitrosodiphenylamine
Concen: 48.468 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

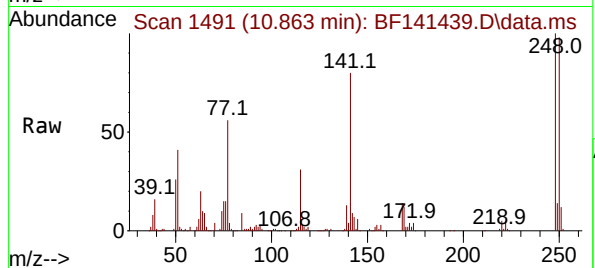
Tgt Ion:169 Resp: 421404
Ion Ratio Lower Upper
169 100
168 66.9 53.0 79.4
167 36.4 28.8 43.2





#67
4-Bromophenyl-phenylether
Concen: 48.415 ng
RT: 10.863 min Scan# 1491
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

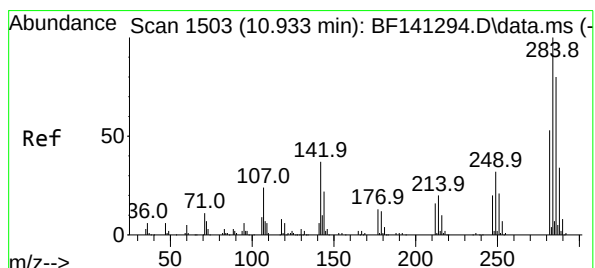
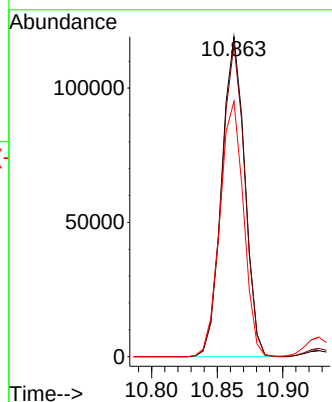
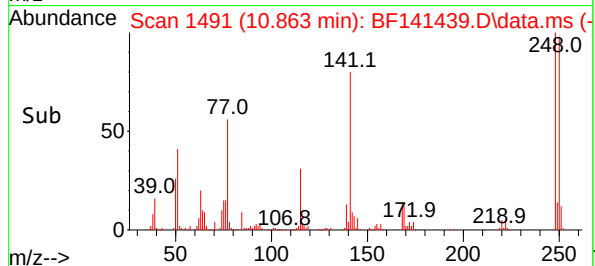
Instrument :
BNA_F
ClientSampleId :
PB166294BS



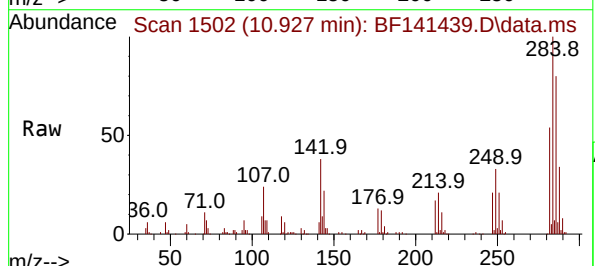
Tgt Ion:248 Resp: 145700
Ion Ratio Lower Upper
248 100
250 97.6 79.0 118.4
141 79.8 63.7 95.5

Manual Integrations
APPROVED

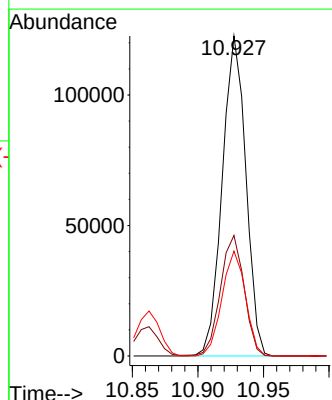
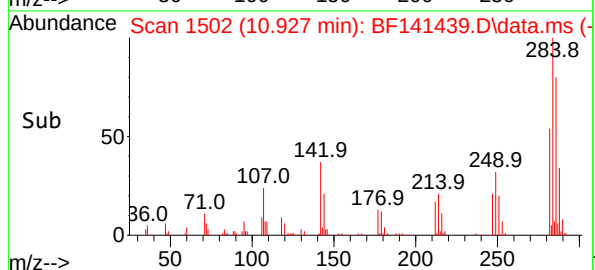
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

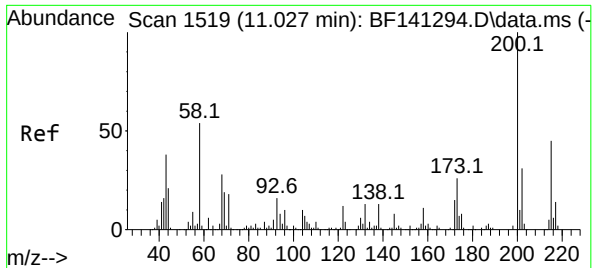


#68
Hexachlorobenzene
Concen: 47.936 ng
RT: 10.927 min Scan# 1502
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47



Tgt Ion:284 Resp: 153026
Ion Ratio Lower Upper
284 100
142 37.7 29.5 44.3
249 32.7 25.4 38.2





#69

Atrazine

Concen: 52.417 ng

RT: 11.022 min Scan# 1519

Delta R.T. -0.012 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

Instrument :

BNA_F

ClientSampleId :

PB166294BS

Tgt Ion:200 Resp: 152370

Ion Ratio Lower Upper

200 100

173 24.8 5.9 45.9

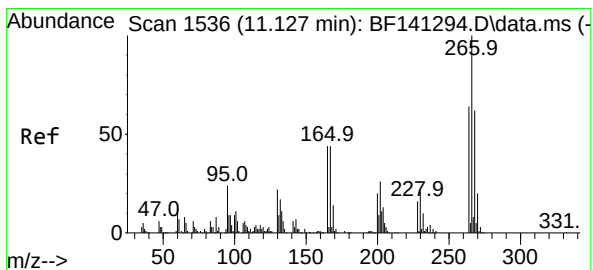
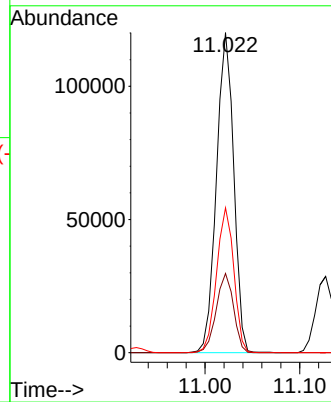
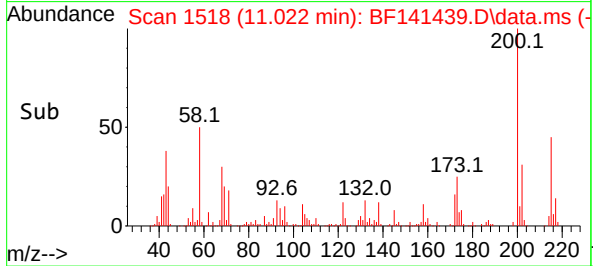
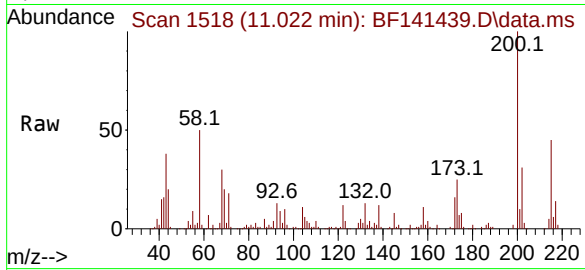
215 45.2 25.2 65.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#70

Pentachlorophenol

Concen: 103.538 ng

RT: 11.127 min Scan# 1536

Delta R.T. -0.006 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

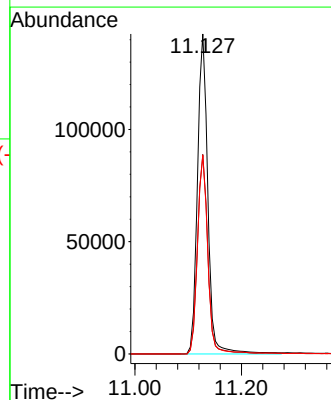
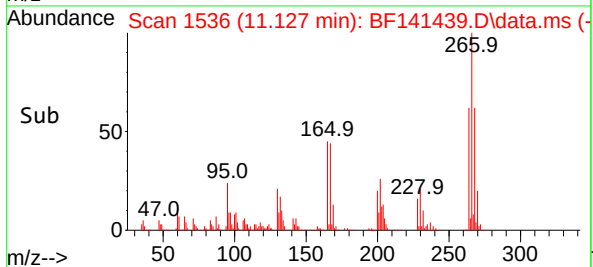
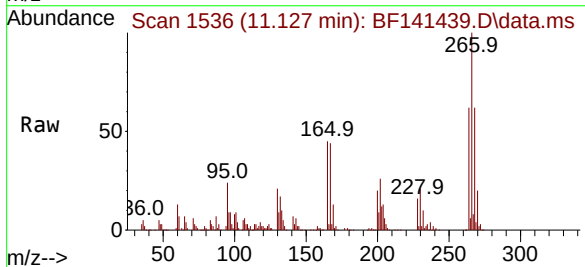
Tgt Ion:266 Resp: 193550

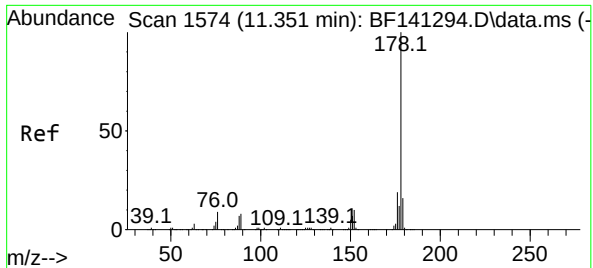
Ion Ratio Lower Upper

266 100

268 62.4 49.9 74.9

264 62.1 51.0 76.4





#71

Phenanthrene

Concen: 51.479 ng

RT: 11.345 min Scan# 1573

Delta R.T. -0.006 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

Instrument :

BNA_F

ClientSampleId :

PB166294BS

Tgt Ion:178 Resp: 74387

Ion Ratio Lower Upper

178 100

176 18.9 15.3 22.9

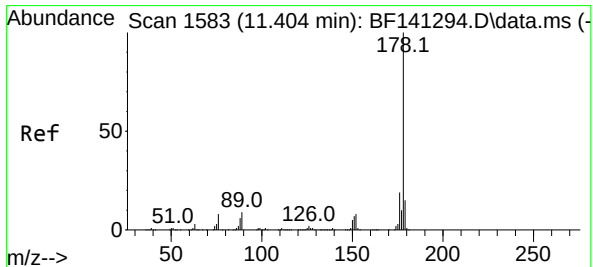
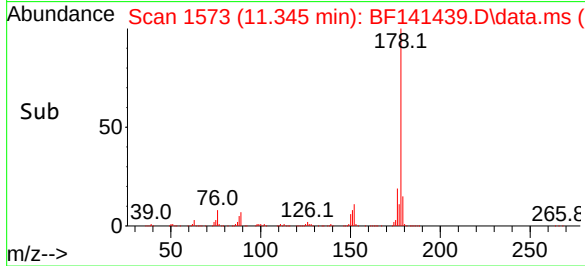
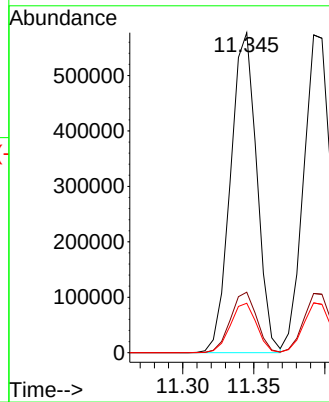
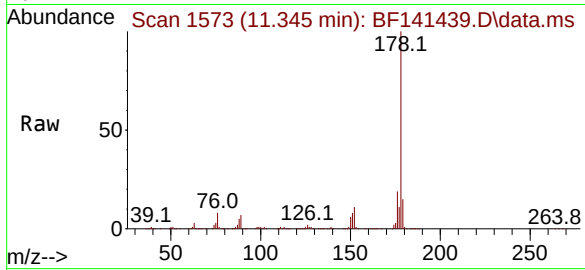
179 15.5 12.5 18.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#72

Anthracene

Concen: 53.540 ng

RT: 11.392 min Scan# 1581

Delta R.T. -0.012 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

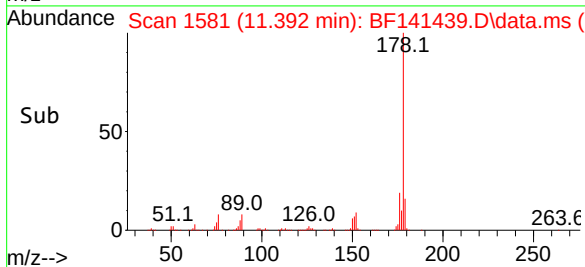
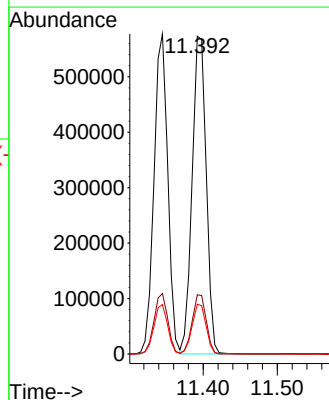
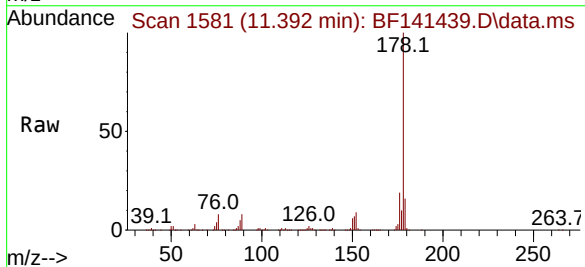
Tgt Ion:178 Resp: 758044

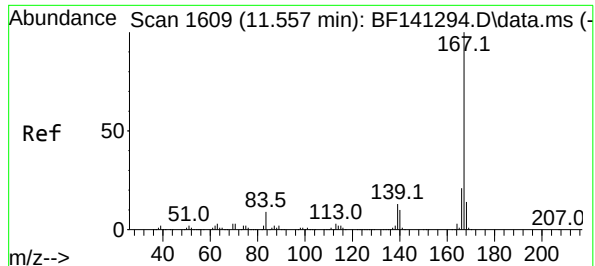
Ion Ratio Lower Upper

178 100

176 18.6 15.0 22.6

179 15.7 12.3 18.5





#73

Carbazole

Concen: 52.983 ng

RT: 11.551 min Scan# 1609

Delta R.T. -0.006 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

Instrument :

BNA_F

ClientSampleId :

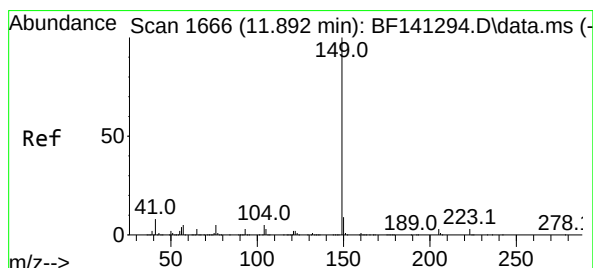
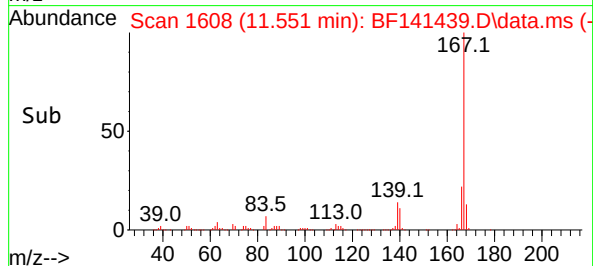
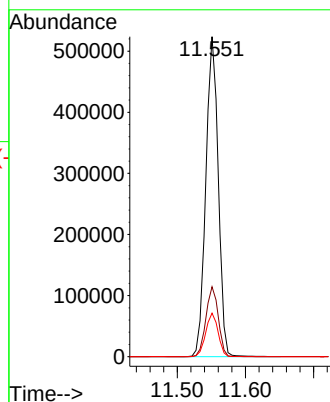
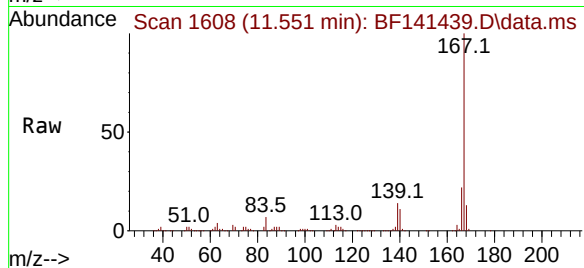
PB166294BS

Tgt Ion:	167	Resp:	665174
Ion Ratio	Lower	Upper	
167	100		
166	21.9	17.0	25.6
139	13.6	10.6	16.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#74

Di-n-butylphthalate

Concen: 51.494 ng

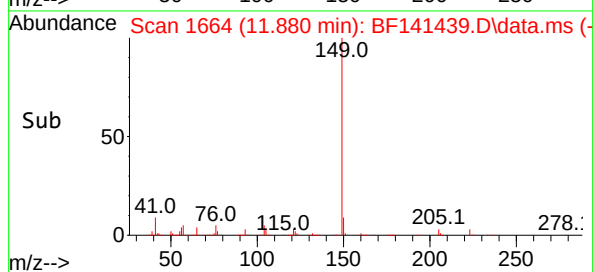
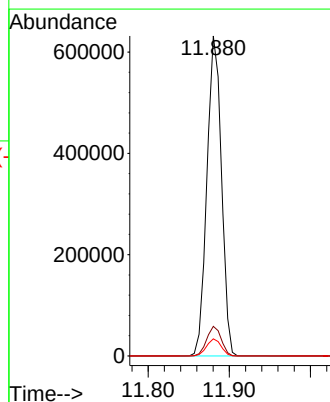
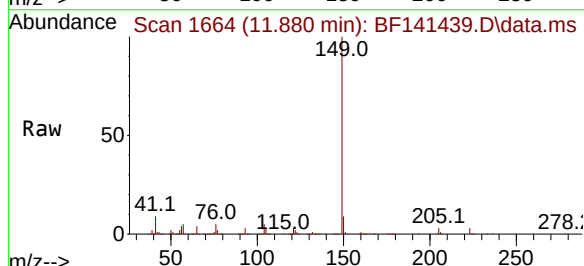
RT: 11.880 min Scan# 1664

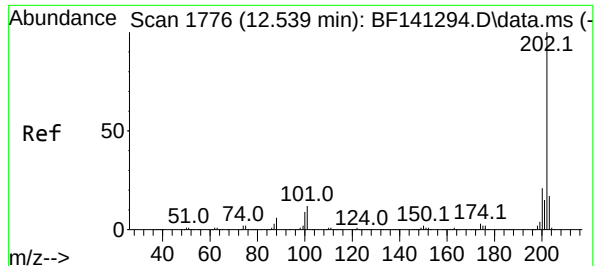
Delta R.T. -0.012 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

Tgt Ion:	149	Resp:	783458
Ion Ratio	Lower	Upper	
149	100		
150	9.3	7.4	11.2
104	5.4	3.9	5.9





#75

Fluoranthene

Concen: 55.552 ng

RT: 12.533 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

Instrument :

BNA_F

ClientSampleId :

PB166294BS

Tgt Ion:202 Resp: 792604

Ion Ratio Lower Upper

202 100

101 9.7 0.0 31.7

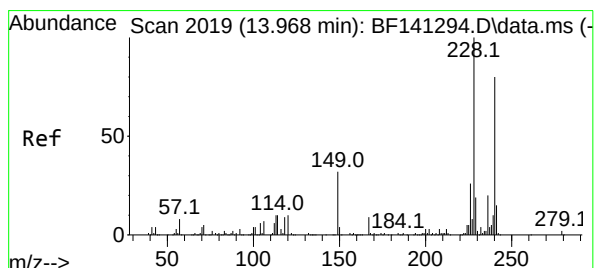
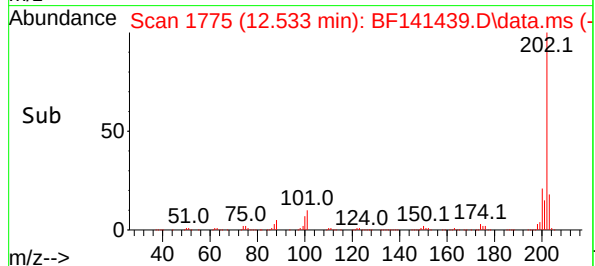
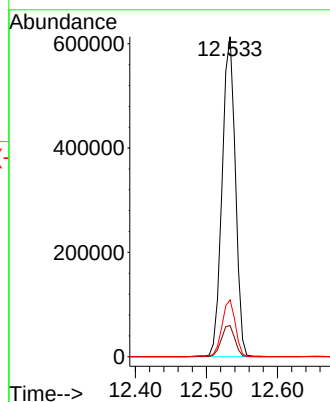
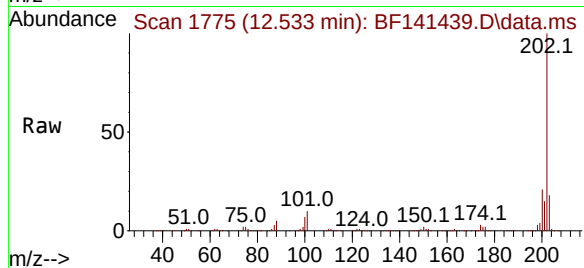
203 17.8 0.0 37.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.963 min Scan# 2018

Delta R.T. -0.012 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

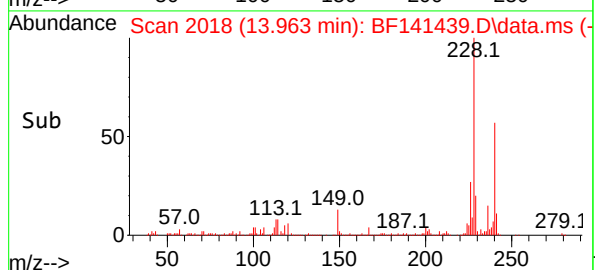
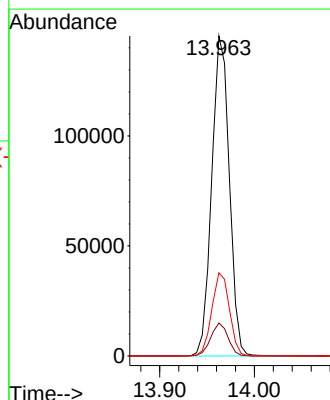
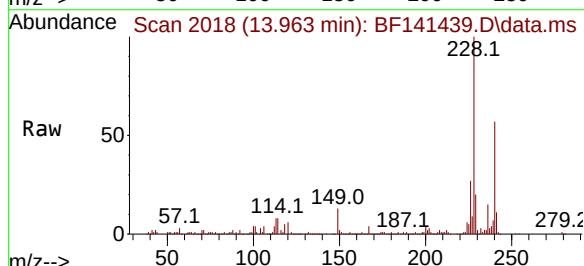
Tgt Ion:240 Resp: 187164

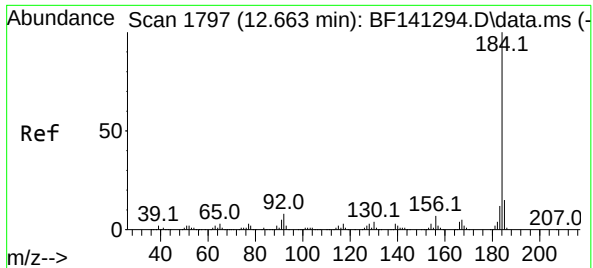
Ion Ratio Lower Upper

240 100

120 10.3 10.0 15.0

236 26.0 19.7 29.5





#77

Benzidine

Concen: 28.873 ng

RT: 12.657 min Scan# 1796

Delta R.T. -0.006 min

Lab File: BF141439.D

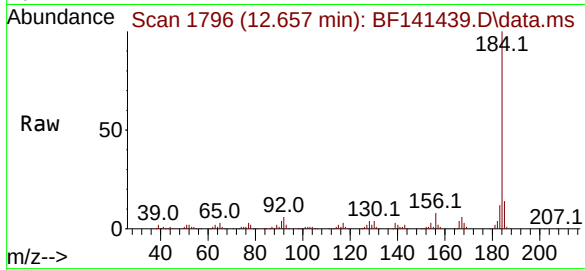
Acq: 05 Feb 2025 11:47

Instrument :

BNA_F

ClientSampleId :

PB166294BS



Tgt Ion:184 Resp: 17324

Ion Ratio Lower Upper

184 100

185 14.4 11.9 17.9

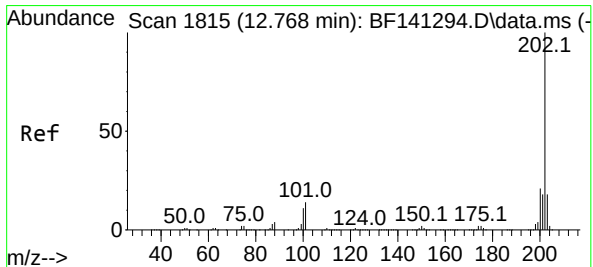
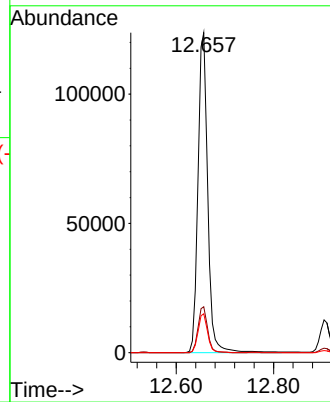
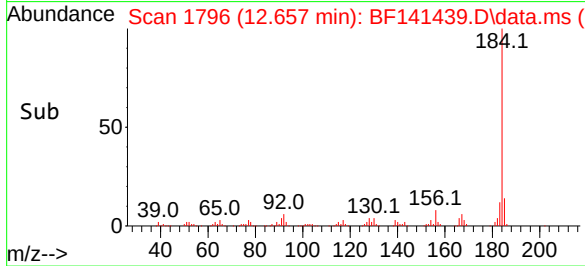
183 12.1 9.5 14.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#78

Pyrene

Concen: 45.916 ng

RT: 12.763 min Scan# 1814

Delta R.T. -0.006 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

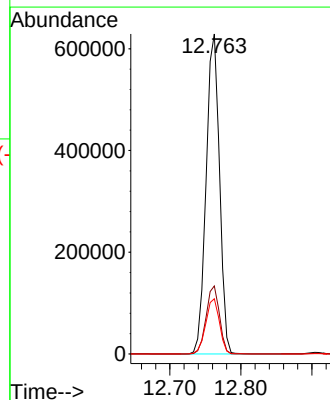
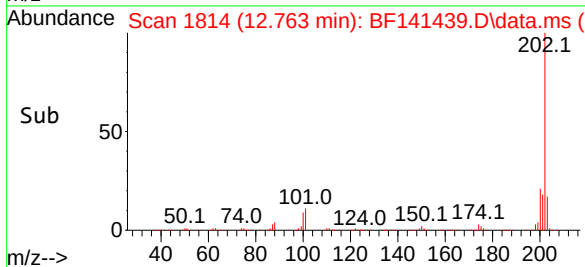
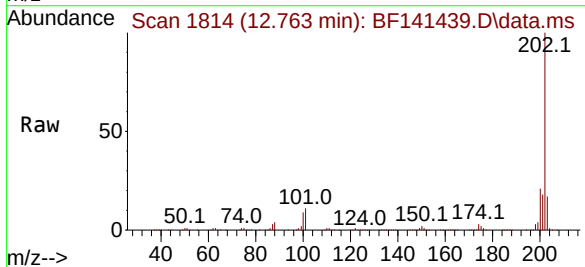
Tgt Ion:202 Resp: 824927

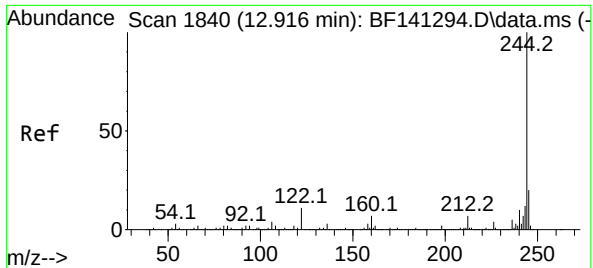
Ion Ratio Lower Upper

202 100

200 21.3 17.0 25.4

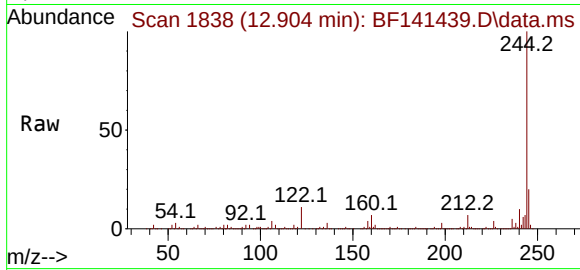
203 17.2 14.3 21.5





#79
 Terphenyl-d14
 Concen: 95.750 ng
 RT: 12.904 min Scan# 116204
 Delta R.T. -0.012 min
 Lab File: BF141439.D
 Acq: 05 Feb 2025 11:47

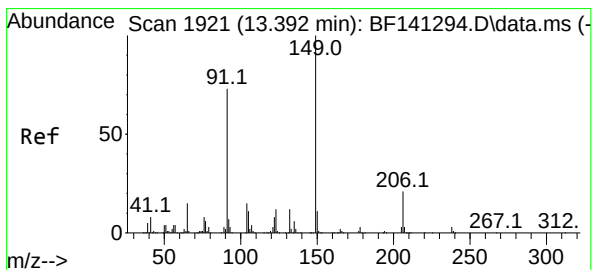
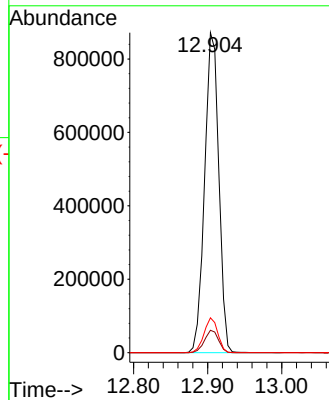
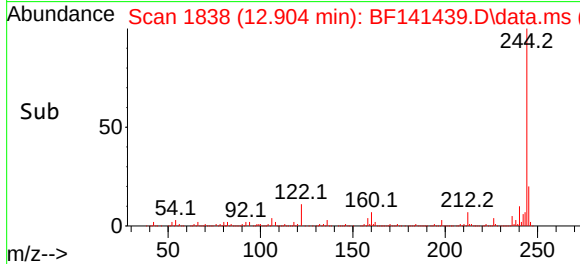
Instrument :
 BNA_F
 ClientSampleId :
 PB166294BS



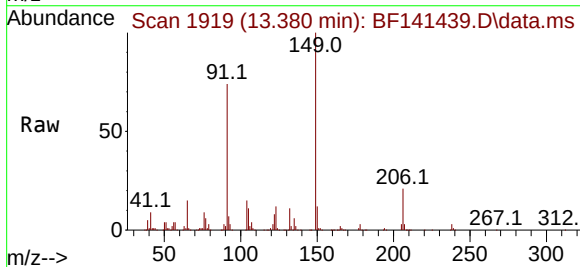
Tgt Ion:244 Resp: 116204
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.0
 122 10.9 8.8 13.2

Manual Integrations
 APPROVED

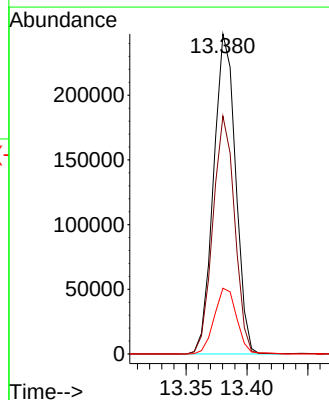
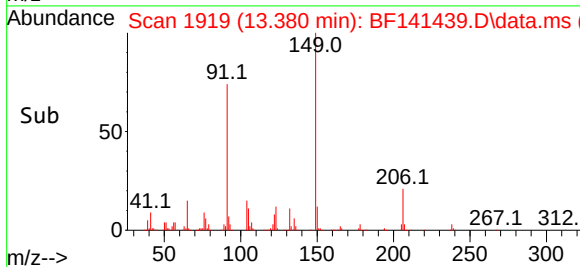
Reviewed By :Yogesh Patel 02/06/2025
 Supervised By :mohammad ahmed 02/06/2025

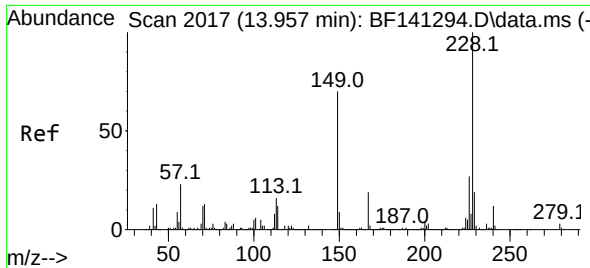


#80
 Butylbenzylphthalate
 Concen: 49.562 ng
 RT: 13.380 min Scan# 1919
 Delta R.T. -0.012 min
 Lab File: BF141439.D
 Acq: 05 Feb 2025 11:47



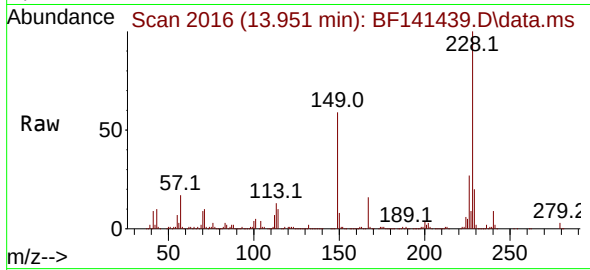
Tgt Ion:149 Resp: 311075
 Ion Ratio Lower Upper
 149 100
 91 74.3 58.6 87.8
 206 20.6 16.7 25.1





#81
Benzo(a)anthracene
Concen: 49.397 ng
RT: 13.951 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

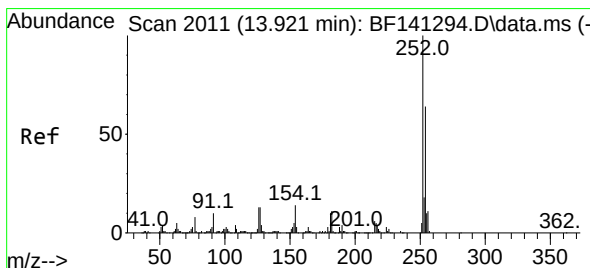
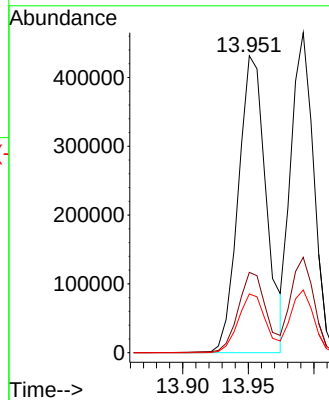
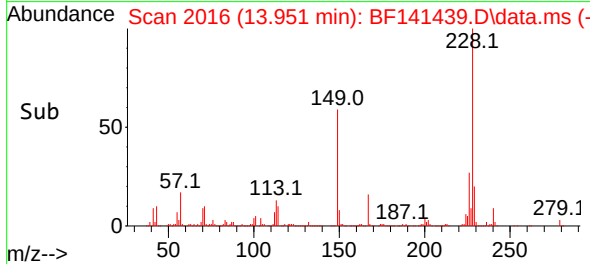
Instrument :
BNA_F
ClientSampleId :
PB166294BS



Tgt Ion:228 Resp: 63798
Ion Ratio Lower Upper
228 100
226 27.1 21.4 32.2
229 19.8 15.5 23.3

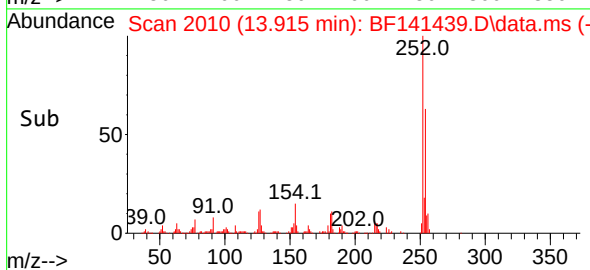
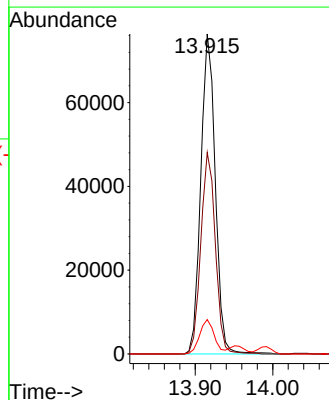
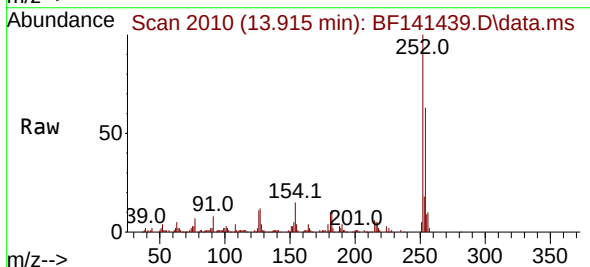
Manual Integrations
APPROVED

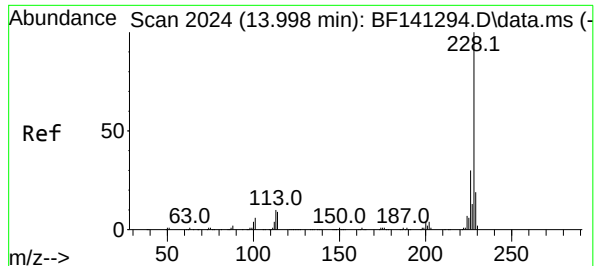
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#82
3,3'-Dichlorobenzidine
Concen: 24.095 ng
RT: 13.915 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion:252 Resp: 98974
Ion Ratio Lower Upper
252 100
254 62.9 51.3 76.9
126 10.8 10.0 15.0





#83

Chrysene

Concen: 47.496 ng

RT: 13.992 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

Instrument :

BNA_F

ClientSampleId :

PB166294BS

Tgt Ion:228 Resp: 562189

Ion Ratio Lower Upper

228 100

226 29.8 24.1 36.1

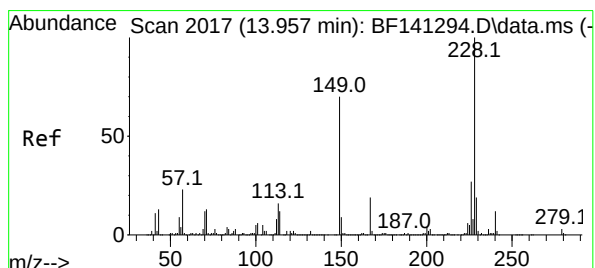
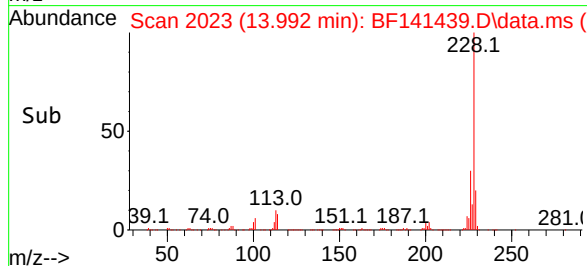
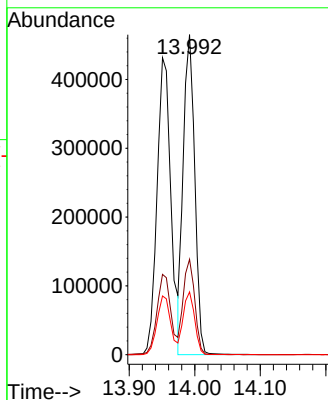
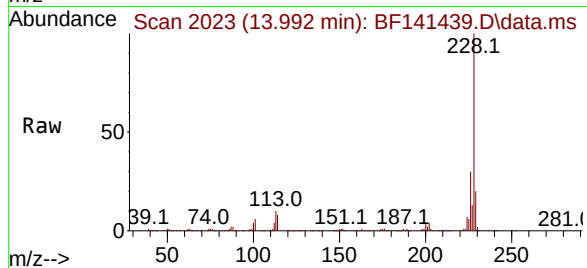
229 19.6 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 50.636 ng

RT: 13.945 min Scan# 2015

Delta R.T. -0.012 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

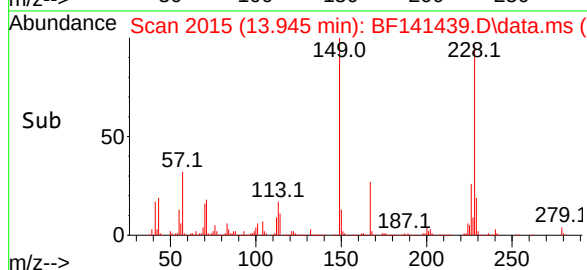
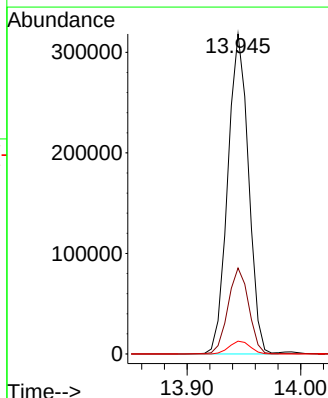
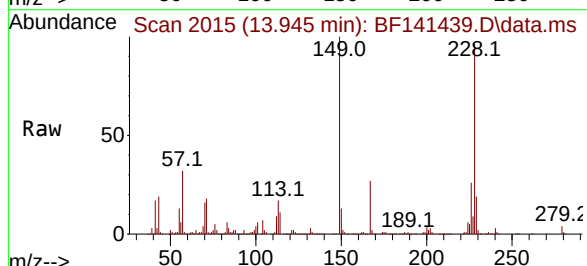
Tgt Ion:149 Resp: 403170

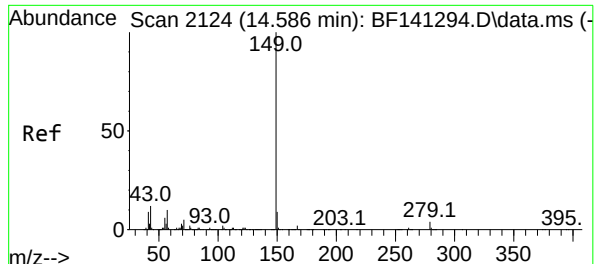
Ion Ratio Lower Upper

149 100

167 26.9 21.8 32.8

279 4.0 3.3 4.9





#85

Di-n-octyl phthalate

Concen: 48.720 ng

RT: 14.574 min Scan# 2124

Delta R.T. -0.012 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

Instrument :

BNA_F

ClientSampleId :

PB166294BS

Tgt Ion:149 Resp: 602500

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

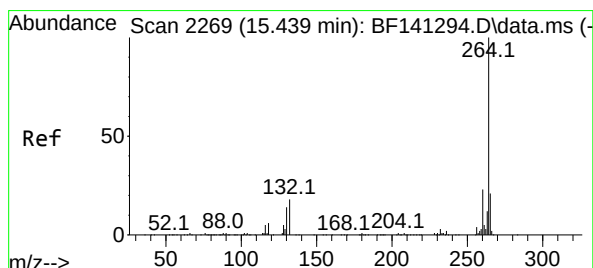
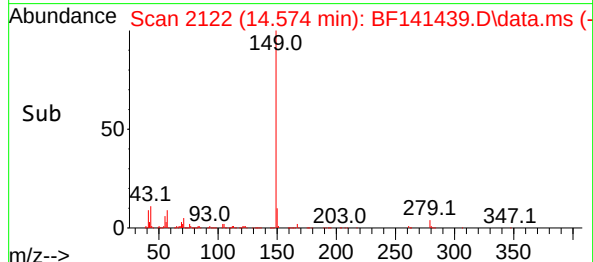
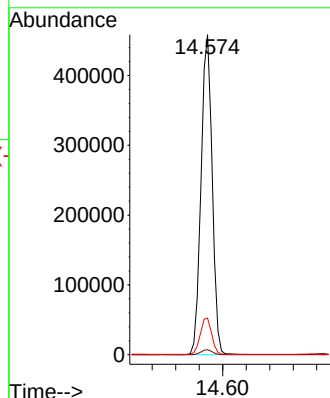
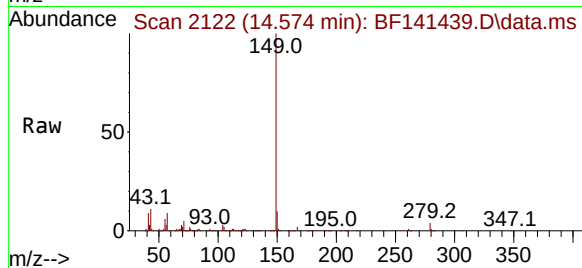
43 11.6 9.8 14.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.427 min Scan# 2267

Delta R.T. -0.012 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

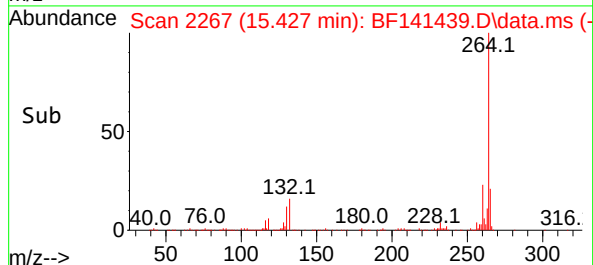
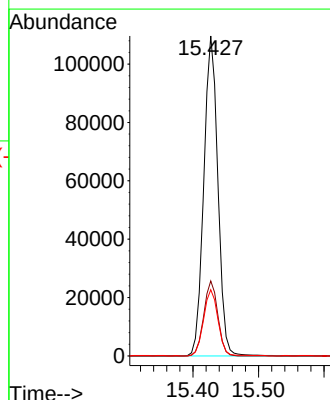
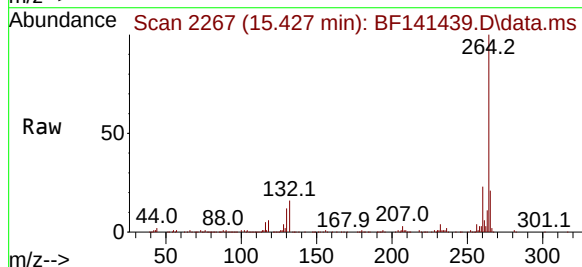
Tgt Ion:264 Resp: 163935

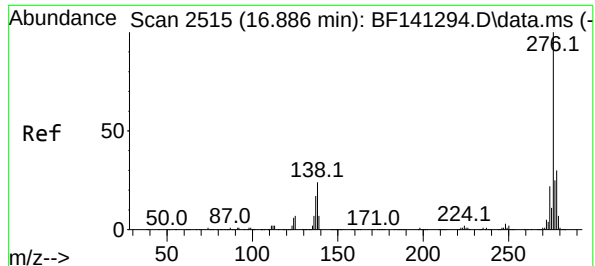
Ion Ratio Lower Upper

264 100

260 23.5 18.6 27.8

265 20.7 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 50.861 ng

RT: 16.880 min Scan# 2196

Delta R.T. -0.018 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

Instrument :

BNA_F

ClientSampleId :

PB166294BS

Tgt Ion:276 Resp: 538149

Ion Ratio Lower Upper

276 100

138 22.7 21.7 32.5

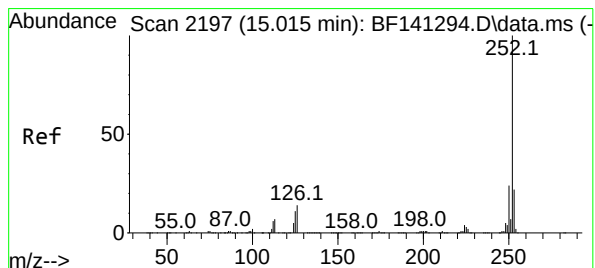
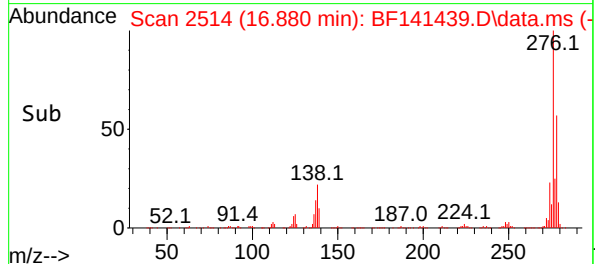
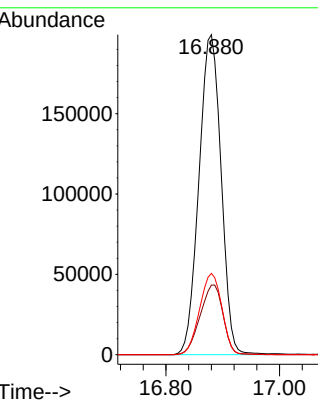
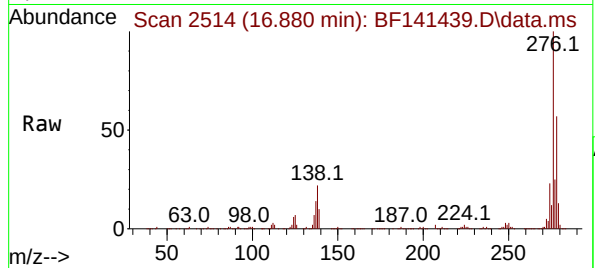
277 25.6 20.3 30.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#88

Benzo(b)fluoranthene

Concen: 48.302 ng

RT: 15.009 min Scan# 2196

Delta R.T. -0.012 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

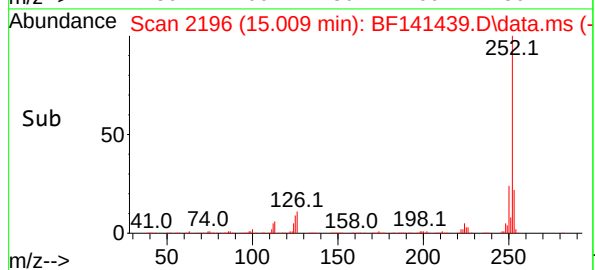
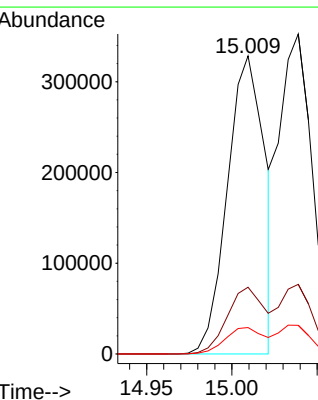
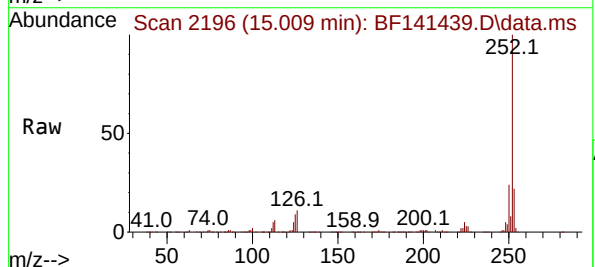
Tgt Ion:252 Resp: 498092

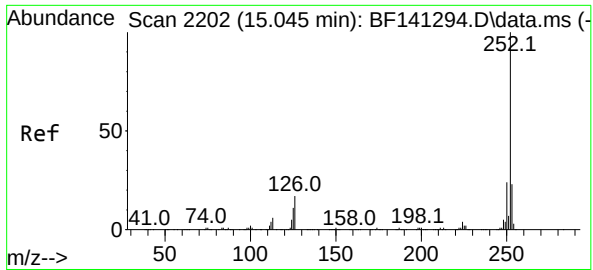
Ion Ratio Lower Upper

252 100

253 22.4 17.4 26.2

125 8.9 8.6 12.8





#89

Benzo(k)fluoranthene

Concen: 51.723 ng

RT: 15.039 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

Instrument :

BNA_F

ClientSampleId :

PB166294BS

Tgt Ion:252 Resp: 47249

Ion Ratio Lower Upper

252 100

253 21.7 17.6 26.4

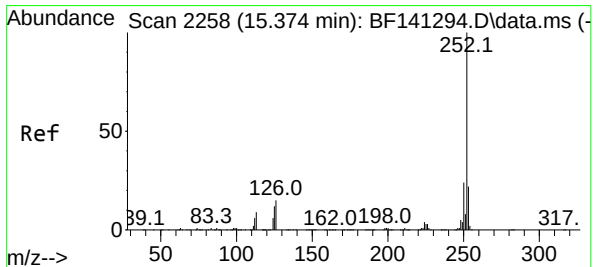
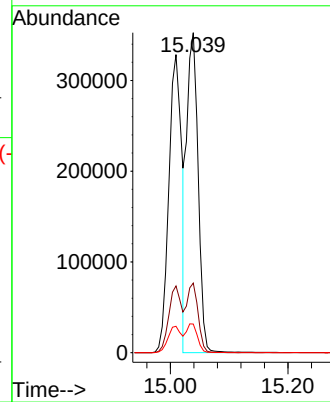
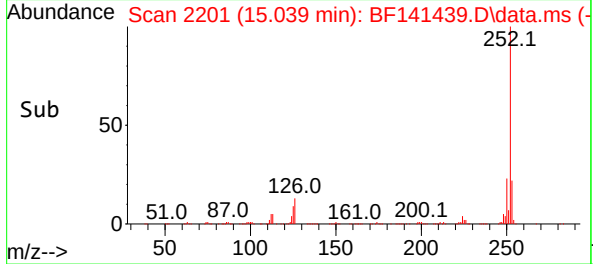
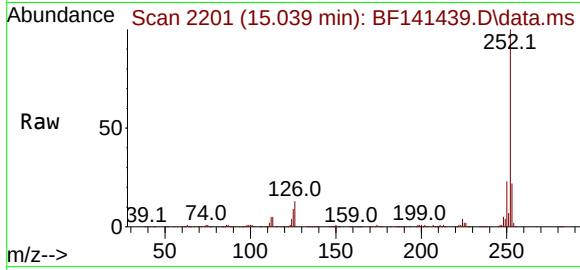
125 8.9 8.4 12.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#90

Benzo(a)pyrene

Concen: 52.934 ng

RT: 15.368 min Scan# 2257

Delta R.T. -0.012 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

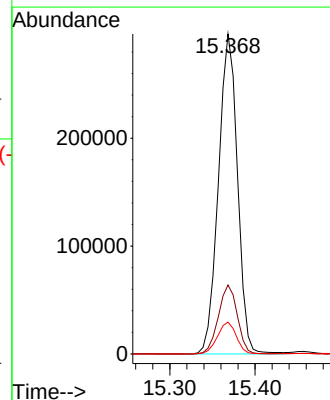
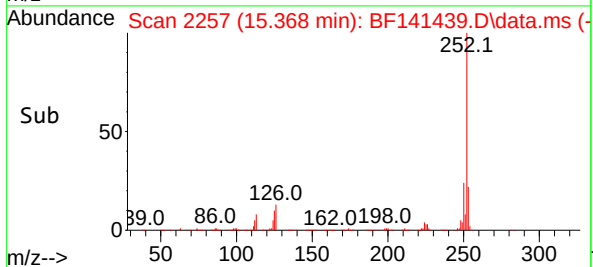
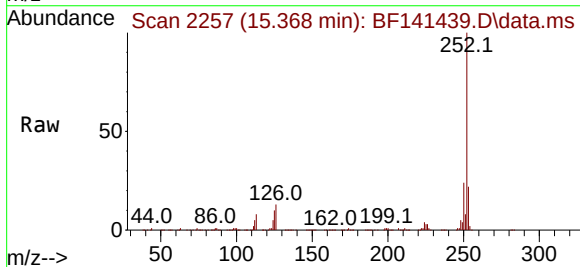
Tgt Ion:252 Resp: 461267

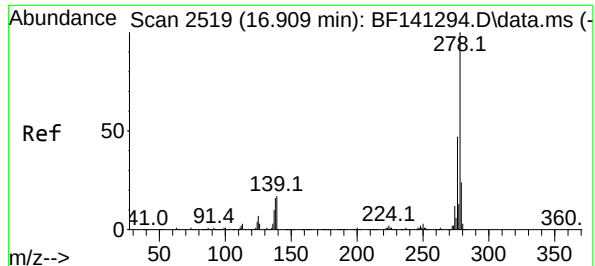
Ion Ratio Lower Upper

252 100

253 21.5 17.2 25.8

125 9.9 9.4 14.2





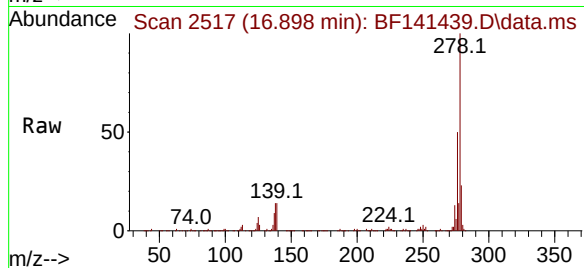
#91
Dibenzo(a,h)anthracene
Concen: 51.119 ng
RT: 16.898 min Scan# 2519
Delta R.T. -0.024 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Instrument :

BNA_F

ClientSampleId :

PB166294BS

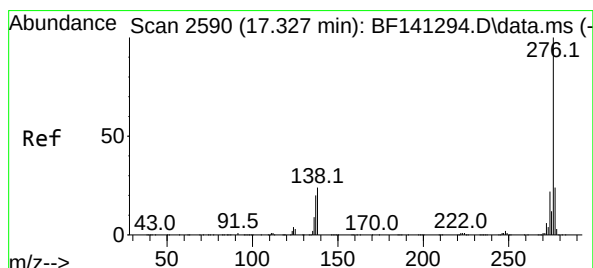
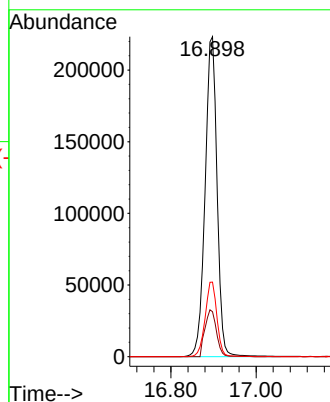
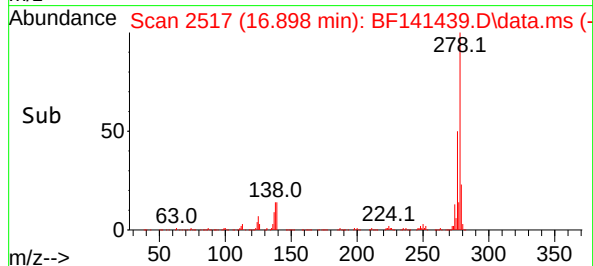


Tgt Ion:278 Resp: 43515
Ion Ratio Lower Upper
278 100
139 14.1 13.9 20.9
279 23.3 18.8 28.2

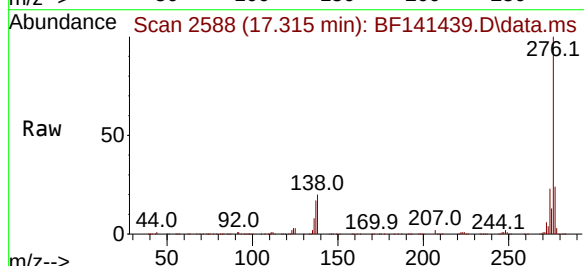
Manual Integrations

APPROVED

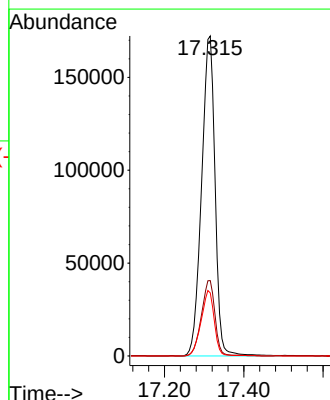
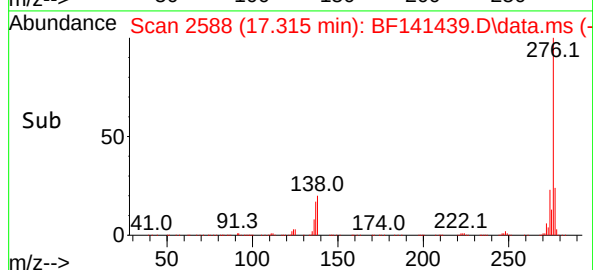
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#92
Benzo(g,h,i)perylene
Concen: 46.007 ng
RT: 17.315 min Scan# 2588
Delta R.T. -0.030 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47



Tgt Ion:276 Resp: 407221
Ion Ratio Lower Upper
276 100
277 23.6 19.2 28.8
138 19.7 19.0 28.4



Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166339BS	SDG No.:	Q1194
Lab Sample ID:	PB166339BS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141442.D	1	01/29/25 08:40	02/05/25 13:05	PB166339

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	6.70	J	4.00	10.0	ug/L
108-95-2	Phenol	46.5		0.93	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	45.8		1.20	5.00	ug/L
95-57-8	2-Chlorophenol	49.1		0.71	5.00	ug/L
95-48-7	2-Methylphenol	46.5		1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	45.0		1.40	5.00	ug/L
98-86-2	Acetophenone	50.6		1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	49.1		1.20	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	47.5		1.50	2.50	ug/L
67-72-1	Hexachloroethane	49.7		1.00	5.00	ug/L
98-95-3	Nitrobenzene	47.1		1.30	5.00	ug/L
78-59-1	Isophorone	48.6		1.10	5.00	ug/L
88-75-5	2-Nitrophenol	50.1		2.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	56.9		1.50	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	45.9		1.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	49.0		0.88	5.00	ug/L
91-20-3	Naphthalene	48.3		1.00	5.00	ug/L
106-47-8	4-Chloroaniline	19.6		1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	51.1		1.30	5.00	ug/L
105-60-2	Caprolactam	46.8		1.70	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	50.7		0.84	5.00	ug/L
91-57-6	2-Methylnaphthalene	48.7		1.10	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	190	E	5.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	49.0		0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	48.0		1.00	5.00	ug/L
92-52-4	1,1-Biphenyl	47.5		0.91	5.00	ug/L
91-58-7	2-Chloronaphthalene	45.9		0.97	5.00	ug/L
88-74-4	2-Nitroaniline	50.6		1.40	5.00	ug/L
131-11-3	Dimethylphthalate	48.7		0.93	5.00	ug/L

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166339BS	SDG No.:	Q1194
Lab Sample ID:	PB166339BS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141442.D	1	01/29/25 08:40	02/05/25 13:05	PB166339

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	50.8		1.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	47.3		1.20	5.00	ug/L
99-09-2	3-Nitroaniline	26.4		1.40	5.00	ug/L
83-32-9	Acenaphthene	55.1		0.81	5.00	ug/L
51-28-5	2,4-Dinitrophenol	110	E	6.40	10.0	ug/L
100-02-7	4-Nitrophenol	110	E	2.00	10.0	ug/L
132-64-9	Dibenzofuran	49.0		0.93	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	51.2		1.50	5.00	ug/L
84-66-2	Diethylphthalate	49.7		1.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	49.6		0.98	5.00	ug/L
86-73-7	Fluorene	50.4		0.96	5.00	ug/L
100-01-6	4-Nitroaniline	49.3		2.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	59.5		3.10	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	49.5		0.89	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	48.9		0.95	5.00	ug/L
118-74-1	Hexachlorobenzene	49.7		1.10	5.00	ug/L
1912-24-9	Atrazine	52.3		1.30	5.00	ug/L
87-86-5	Pentachlorophenol	100	E	1.90	10.0	ug/L
85-01-8	Phenanthrene	52.0		0.89	5.00	ug/L
120-12-7	Anthracene	54.5		1.10	5.00	ug/L
86-74-8	Carbazole	53.8		1.20	5.00	ug/L
84-74-2	Di-n-butylphthalate	51.5		1.50	5.00	ug/L
206-44-0	Fluoranthene	55.4		1.30	5.00	ug/L
129-00-0	Pyrene	46.4		1.10	5.00	ug/L
85-68-7	Butylbenzylphthalate	50.3		2.10	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	23.2		1.30	10.0	ug/L
56-55-3	Benzo(a)anthracene	48.6		0.94	5.00	ug/L
218-01-9	Chrysene	50.3		0.86	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	50.4		1.90	5.00	ug/L
117-84-0	Di-n-octyl phthalate	49.5		2.50	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	50.8		1.10	5.00	ug/L

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166339BS	SDG No.:	Q1194
Lab Sample ID:	PB166339BS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141442.D	1	01/29/25 08:40	02/05/25 13:05	PB166339

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	53.6		1.20	5.00	ug/L
50-32-8	Benzo(a)pyrene	55.2		1.70	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	52.5		1.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	52.3		1.20	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	46.9		1.20	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	49.1		1.10	5.00	ug/L
123-91-1	1,4-Dioxane	38.0		1.30	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	54.4		0.79	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	136		15 (10) - 110 (139)	90%	SPK: 150
13127-88-3	Phenol-d6	130		15 (10) - 110 (134)	86%	SPK: 150
4165-60-0	Nitrobenzene-d5	96.4		30 (49) - 130 (133)	96%	SPK: 100
321-60-8	2-Fluorobiphenyl	94.6		30 (52) - 130 (132)	95%	SPK: 100
118-79-6	2,4,6-Tribromophenol	152		15 (44) - 110 (137)	102%	SPK: 150
1718-51-0	Terphenyl-d14	95.4		30 (48) - 130 (125)	95%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	69500	6.792			
1146-65-2	Naphthalene-d8	273000	8.075			
15067-26-2	Acenaphthene-d10	151000	9.828			
1517-22-2	Phenanthrene-d10	259000	11.316			
1719-03-5	Chrysene-d12	176000	13.963			
1520-96-3	Perylene-d12	154000	15.421			

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\BF020525\
 Data File : BF141442.D
 Acq On : 05 Feb 2025 13:05
 Operator : RC/JU
 Sample : PB166339BS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

PB166339BS

Manual Integrations

APPROVED

Reviewed By :Yogesh
 Patel

02/06/2025

Supervised By :mohammad
 ahmed

Quant Time: Feb 05 13:33:37 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	69540	20.000	ng	-0.01
21) Naphthalene-d8	8.075	136	272946	20.000	ng	#-0.01
39) Acenaphthene-d10	9.828	164	150801	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	258651	20.000	ng	-0.01
76) Chrysene-d12	13.963	240	176386	20.000	ng	#-0.01
86) Perylene-d12	15.421	264	154350	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	614151	135.583	ng	0.00
7) Phenol-d6	6.434	99	746861	129.610	ng	0.00
23) Nitrobenzene-d5	7.357	82	499029	96.382	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	210807	152.483	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	926554	94.571	ng	-0.01
79) Terphenyl-d14	12.904	244	1091228	95.409	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.552	88	75743	38.021	ng	96
3) Pyridine	3.281	79	192561	40.118	ng	97
4) n-Nitrosodimethylamine	3.228	42	143225	52.234	ng	84
6) Aniline	6.451	93	185188	37.966	ng	# 3
8) 2-Chlorophenol	6.581	128	238573	49.139	ng	96
9) Benzaldehyde	6.340	77	22504	6.742	ng	98
10) Phenol	6.445	94	283733	46.450	ng	# 68
11) bis(2-Chloroethyl)ether	6.528	93	214452	45.788	ng	99
12) 1,3-Dichlorobenzene	6.728	146	252480	47.164	ng	99
13) 1,4-Dichlorobenzene	6.810	146	258437	48.056	ng	99
14) 1,2-Dichlorobenzene	6.957	146	242260	48.108	ng	98
15) Benzyl Alcohol	6.934	79	210947	53.568	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.063	45	366624	45.016	ng	59
17) 2-Methylphenol	7.051	107	183589	46.527	ng	# 92
18) Hexachloroethane	7.298	117	98645	49.722	ng	98
19) n-Nitroso-di-n-propyla...	7.204	70	162704	47.519	ng	98
20) 3+4-Methylphenols	7.204	107	237802	49.083	ng	93
22) Acetophenone	7.198	105	328523	50.636	ng	99
24) Nitrobenzene	7.375	77	252507	47.060	ng	99
25) Isophorone	7.610	82	435211	48.627	ng	98
26) 2-Nitrophenol	7.692	139	126860	50.132	ng	95
27) 2,4-Dimethylphenol	7.734	122	183402m	56.941	ng	
28) bis(2-Chloroethoxy)met...	7.822	93	262284	45.943	ng	99
29) 2,4-Dichlorophenol	7.939	162	193147	48.983	ng	100
30) 1,2,4-Trichlorobenzene	8.016	180	212618	47.216	ng	100
31) Naphthalene	8.092	128	695787	48.255	ng	100
32) Benzoic acid	7.857	122	138989	46.941	ng	93
33) 4-Chloroaniline	8.145	127	95992	19.632	ng	99
34) Hexachlorobutadiene	8.210	225	134966	51.108	ng	99
35) Caprolactam	8.510	113	60244m	46.782	ng	
36) 4-Chloro-3-methylphenol	8.639	107	214446	50.702	ng	97
37) 2-Methylnaphthalene	8.786	142	446519	48.723	ng	100
38) 1-Methylnaphthalene	8.886	142	415934	46.203	ng	99
40) 1,2,4,5-Tetrachloroben...	8.951	216	210589	49.087	ng	99
41) Hexachlorocyclopentadiene	8.939	237	239778	189.249	ng	99
43) 2,4,6-Trichlorophenol	9.069	196	137710	49.041	ng	99

02/06/2025

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
 Data File : BF141442.D
 Acq On : 05 Feb 2025 13:05
 Operator : RC/JU
 Sample : PB166339BS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

PB166339BS

Manual Integrations

APPROVED

Reviewed By :Yogesh
 Patel

02/06/2025

Supervised By :mohammad
 ahmed

Quant Time: Feb 05 13:33:37 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.116	196	146793	48.031	ng	97
46) 1,1'-Biphenyl	9.251	154	558776	47.512	ng	98
47) 2-Chloronaphthalene	9.275	162	420321	45.853	ng	98
48) 2-Nitroaniline	9.375	65	145851	50.584	ng	96
49) Acenaphthylene	9.692	152	652197	50.826	ng	99
50) Dimethylphthalate	9.557	163	496367	48.735	ng	100
51) 2,6-Dinitrotoluene	9.616	165	111896	47.316	ng	96
52) Acenaphthene	9.863	154	505025m	55.091	ng	
53) 3-Nitroaniline	9.786	138	61079	26.352	ng	99
54) 2,4-Dinitrophenol	9.898	184	123829	112.642	ng	90
55) Dibenzofuran	10.033	168	601794	49.043	ng	96
56) 4-Nitrophenol	9.963	139	178017	105.019	ng	89
57) 2,4-Dinitrotoluene	10.022	165	156908	51.247	ng	93
58) Fluorene	10.380	166	479929	50.423	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.157	232	130782	54.393	ng	97
60) Diethylphthalate	10.257	149	490998	49.719	ng	99
61) 4-Chlorophenyl-phenyle...	10.369	204	230375	49.550	ng	96
62) 4-Nitroaniline	10.404	138	112393	49.323	ng	90
63) Azobenzene	10.533	77	478034	48.358	ng	97
65) 4,6-Dinitro-2-methylph...	10.433	198	91072	59.527	ng	99
66) n-Nitrosodiphenylamine	10.492	169	414035	49.492	ng	99
67) 4-Bromophenyl-phenylether	10.863	248	141524	48.874	ng	100
68) Hexachlorobenzene	10.928	284	152677	49.706	ng	99
69) Atrazine	11.022	200	146281	52.298	ng	98
70) Pentachlorophenol	11.127	266	182937	101.707	ng	99
71) Phenanthrene	11.345	178	723012	52.002	ng	99
72) Anthracene	11.392	178	742686	54.517	ng	100
73) Carbazole	11.551	167	649712	53.785	ng	99
74) Di-n-butylphthalate	11.880	149	753424	51.466	ng	100
75) Fluoranthene	12.533	202	760403	55.390	ng	97
77) Benzidine	12.651	184	162405	28.721	ng	99
78) Pyrene	12.763	202	786061	46.426	ng	99
80) Butylbenzylphthalate	13.380	149	297386	50.276	ng	99
81) Benzo(a)anthracene	13.951	228	591257	48.577	ng	99
82) 3,3'-Dichlorobenzidine	13.916	252	89685	23.167	ng	97
83) Chrysene	13.986	228	561085	50.299	ng	100
84) Bis(2-ethylhexyl)phtha...	13.945	149	377988	50.375	ng	99
85) Di-n-octyl phthalate	14.568	149	576416	49.459	ng	98
87) Indeno(1,2,3-cd)pyrene	16.874	276	522744	52.473	ng	96
88) Benzo(b)fluoranthene	15.004	252	493180	50.796	ng	98
89) Benzo(k)fluoranthene	15.033	252	460679	53.561	ng	99
90) Benzo(a)pyrene	15.363	252	453060	55.220	ng	98
91) Dibenzo(a,h)anthracene	16.886	278	419457	52.335	ng	97
92) Benzo(g,h,i)perylene	17.304	276	390761	46.889	ng #	95

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

```
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\  
Data File : BF141442.D  
Acq On    : 05 Feb 2025 13:05  
Operator  : RC/JU  
Sample    : PB166339BS  
Misc      :  
ALS Vial  : 9    Sample Multiplier: 1
```

Instrument :
BNA_F
ClientSampleId :
PB166339BS

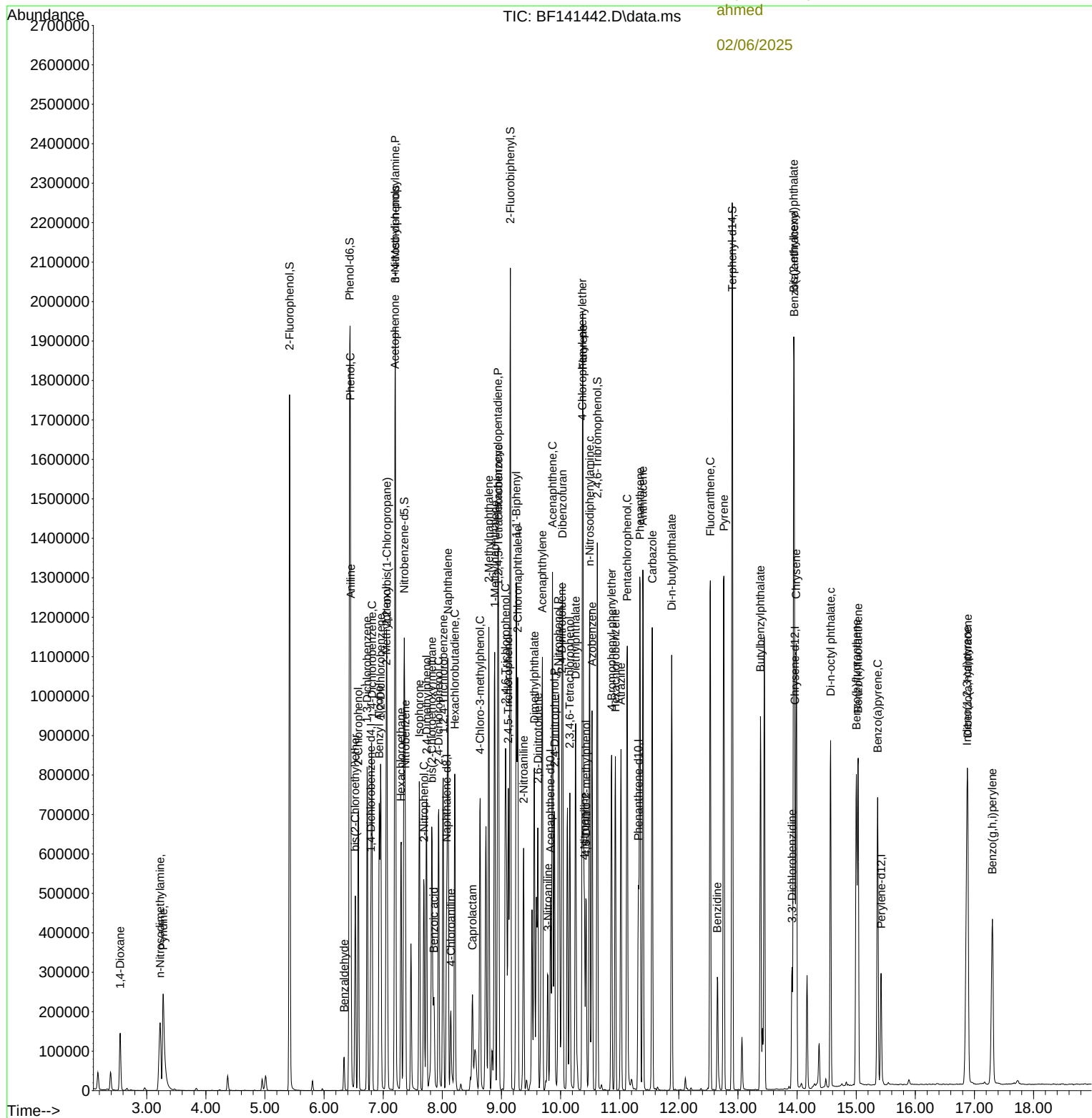
Manual Integrations

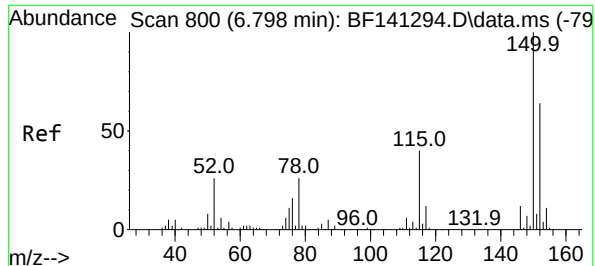
Reviewed By :Yogesh Patel

02/06/2025
Supervised By :mohammad
ahmed

02/06/2025

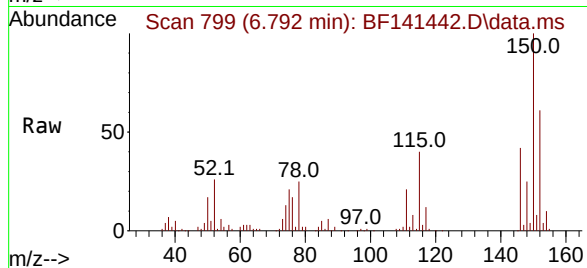
Quant Time: Feb 05 13:33:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 79
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Instrument :
BNA_F
ClientSampleId :
PB166339BS



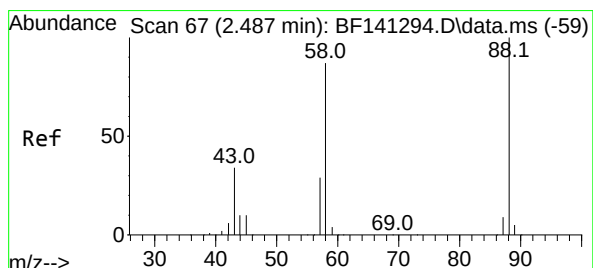
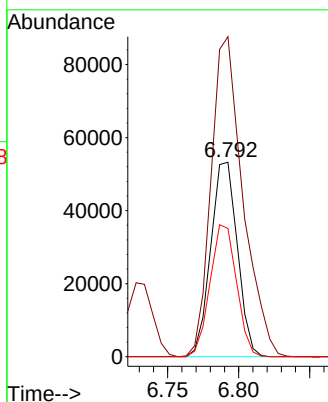
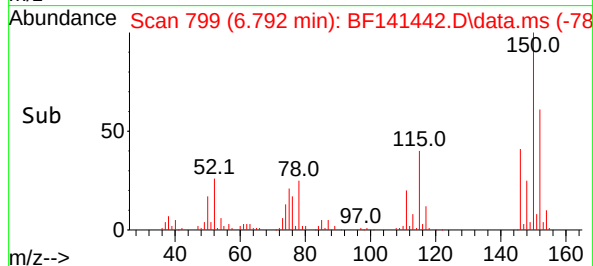
Tgt Ion:152 Resp: 69540
Ion Ratio Lower Upper
152 100
150 164.5 125.9 188.9
115 65.9 49.7 74.5

Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel

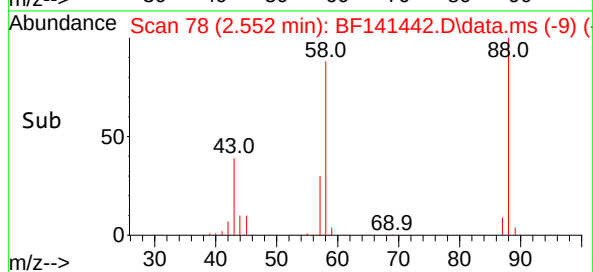
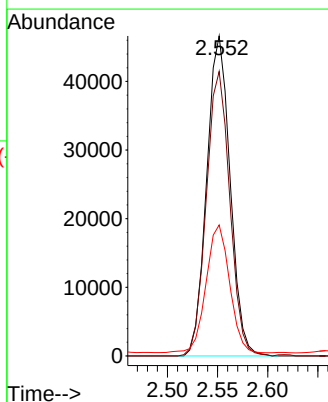
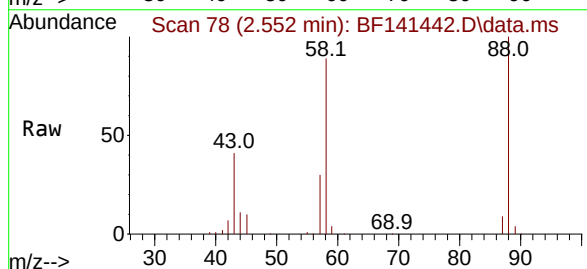
02/06/2025
Supervised By :mohammad
ahmed

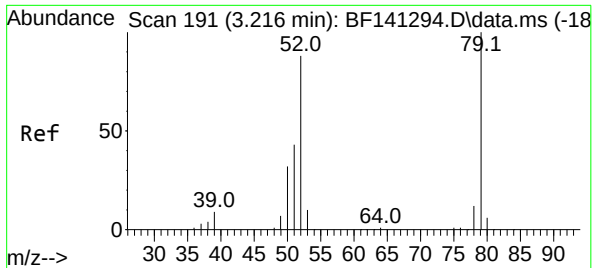
02/06/2025



#2
1,4-Dioxane
Concen: 38.021 ng
RT: 2.552 min Scan# 78
Delta R.T. 0.059 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion: 88 Resp: 75743
Ion Ratio Lower Upper
88 100
58 89.4 70.2 105.4
43 40.2 27.6 41.4





#3

Pyridine

Concen: 40.118 ng

RT: 3.281 min Scan# 20

Delta R.T. 0.053 min

Lab File: BF141442.D

Acq: 05 Feb 2025 13:05

Instrument :

BNA_F

ClientSampleId :

PB166339BS

Tgt Ion: 79 Resp: 19256

Ion Ratio Lower Upper

79 100

52 90.4 70.3 105.5

51 45.8 34.3 51.5

Manual Integrations

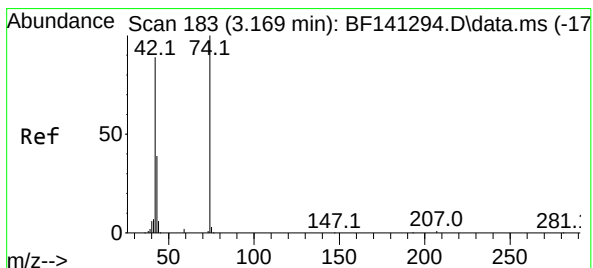
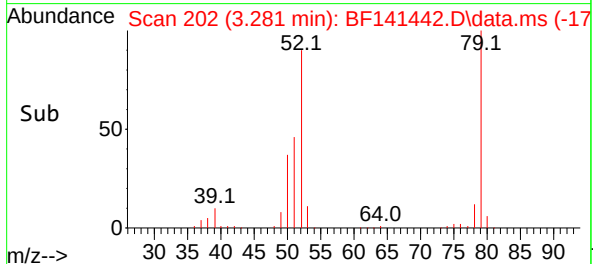
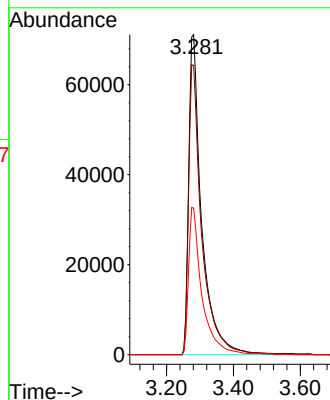
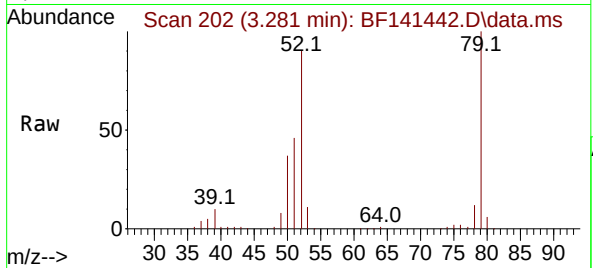
APPROVED

Reviewed By :Yogesh
Patel

02/06/2025

Supervised By :mohammad
ahmed

02/06/2025



#4

n-Nitrosodimethylamine

Concen: 52.234 ng

RT: 3.228 min Scan# 193

Delta R.T. 0.029 min

Lab File: BF141442.D

Acq: 05 Feb 2025 13:05

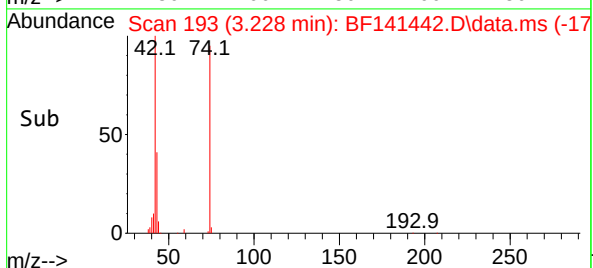
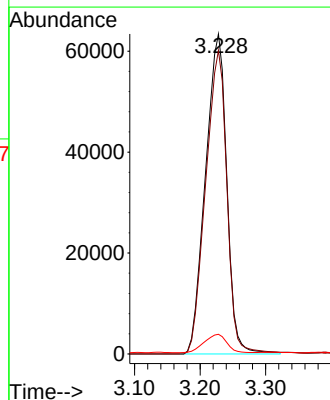
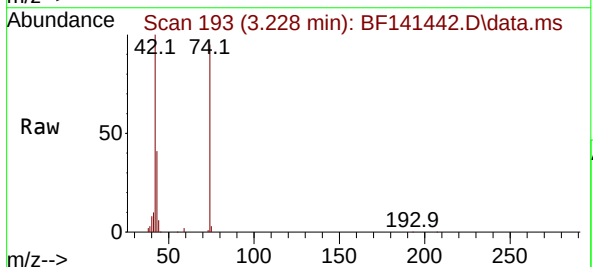
Tgt Ion: 42 Resp: 143225

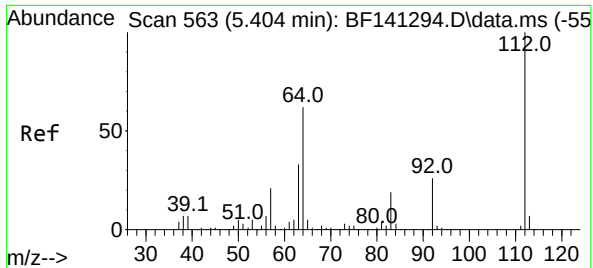
Ion Ratio Lower Upper

42 100

74 94.9 90.3 135.5

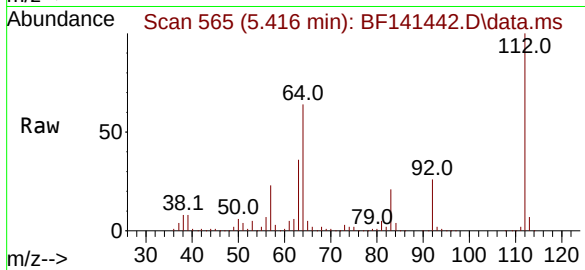
44 6.2 5.7 8.5





#5
2-Fluorophenol
Concen: 135.583 ng
RT: 5.416 min Scan# 50
Delta R.T. 0.006 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Instrument :
BNA_F
ClientSampleId :
PB166339BS



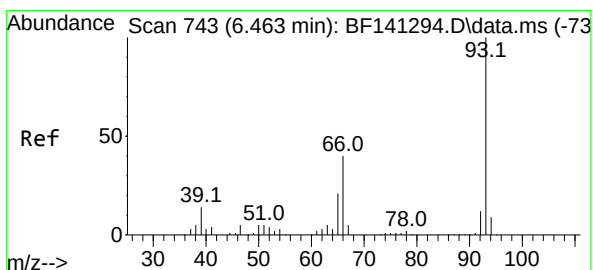
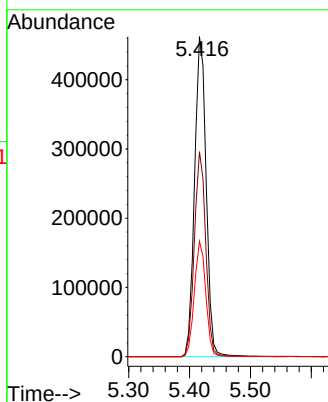
Tgt Ion:112 Resp: 61415
Ion Ratio Lower Upper
112 100
64 64.0 49.8 74.8
63 36.0 26.1 39.1

Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel

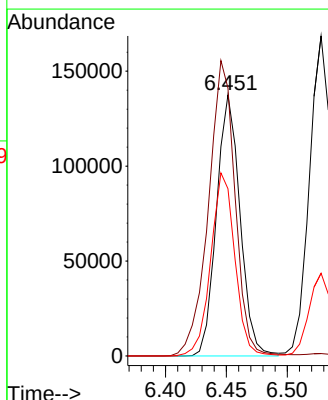
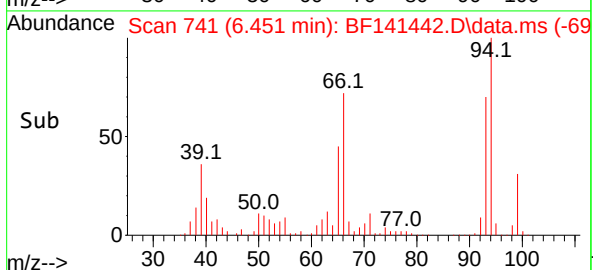
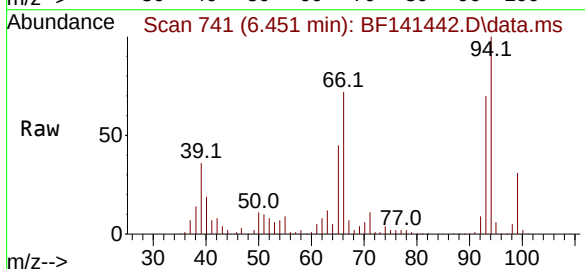
02/06/2025
Supervised By :mohammad
ahmed

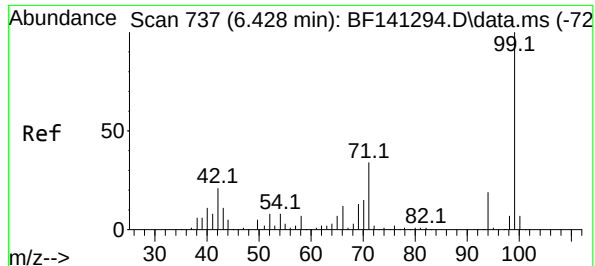
02/06/2025



#6
Aniline
Concen: 37.966 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.018 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion: 93 Resp: 185188
Ion Ratio Lower Upper
93 100
66 102.6 32.5 48.7#
65 64.0 17.0 25.6#





#7

Phenol-d6

Concen: 129.610 ng

RT: 6.434 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF141442.D

Acq: 05 Feb 2025 13:05

Instrument :

BNA_F

ClientSampleId :

PB166339BS

Tgt Ion: 99 Resp: 74686

Ion Ratio Lower Upper

99 100

42 23.2 17.1 25.7

71 38.9 26.9 40.3

Manual Integrations

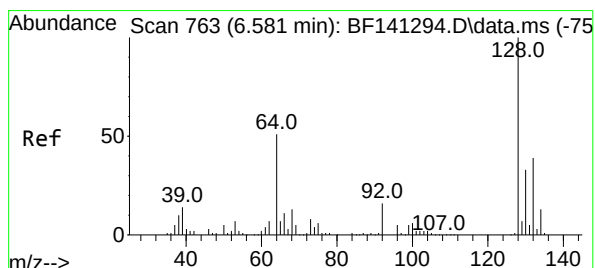
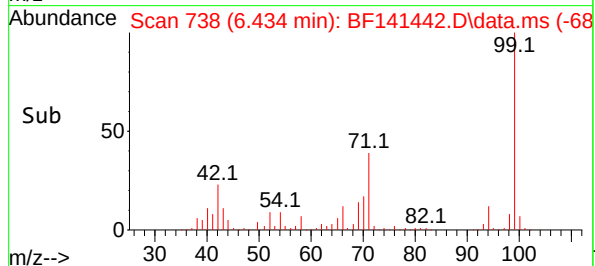
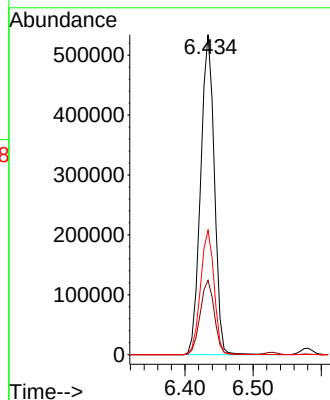
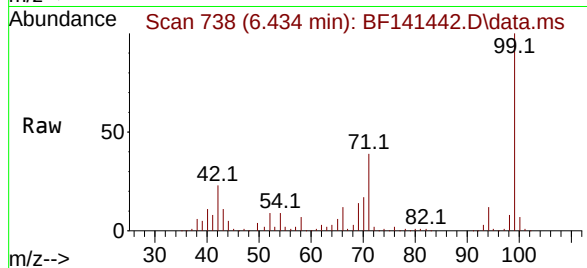
APPROVED

Reviewed By :Yogesh
Patel

02/06/2025

Supervised By :mohammad
ahmed

02/06/2025



#8

2-Chlorophenol

Concen: 49.139 ng

RT: 6.581 min Scan# 763

Delta R.T. -0.012 min

Lab File: BF141442.D

Acq: 05 Feb 2025 13:05

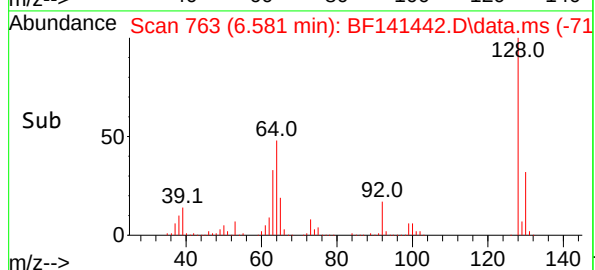
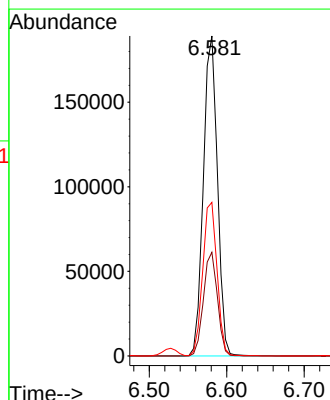
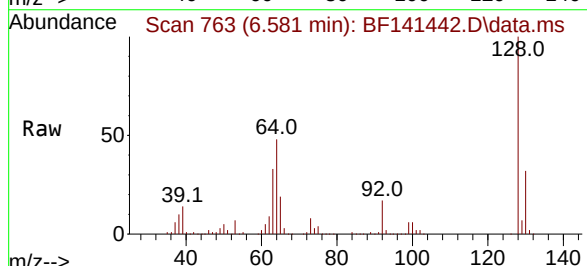
Tgt Ion:128 Resp: 238573

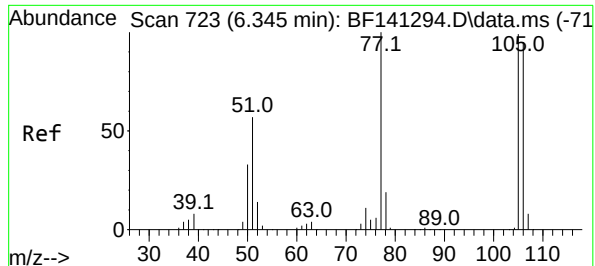
Ion Ratio Lower Upper

128 100

130 32.4 12.5 52.5

64 48.0 32.9 72.9





#9

Benzaldehyde

Concen: 6.742 ng

RT: 6.340 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF141442.D

Acq: 05 Feb 2025 13:05

Instrument :

BNA_F

ClientSampleId :

PB166339BS

Tgt Ion: 77 Resp: 22504

Ion Ratio Lower Upper

77 100

105 98.5 79.4 119.4

106 92.3 74.6 114.6

Manual Integrations

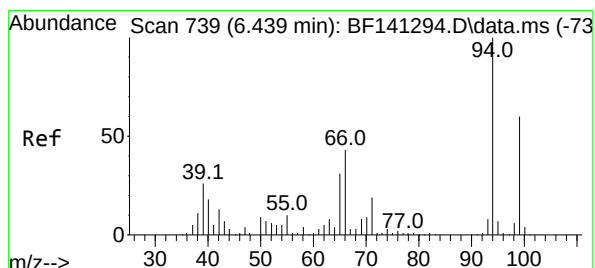
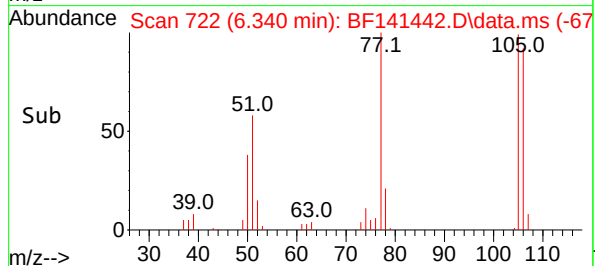
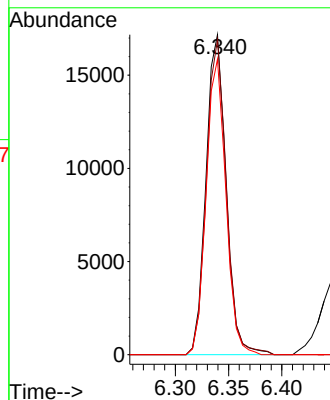
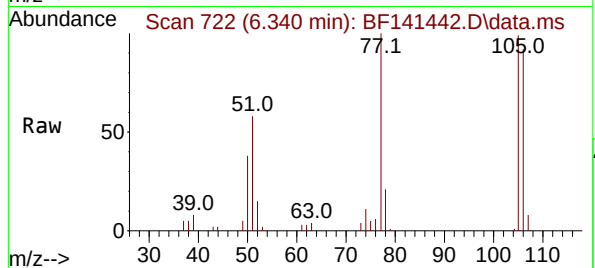
APPROVED

Reviewed By :Yogesh
Patel

02/06/2025

Supervised By :mohammad
ahmed

02/06/2025



#10

Phenol

Concen: 46.450 ng

RT: 6.445 min Scan# 740

Delta R.T. -0.006 min

Lab File: BF141442.D

Acq: 05 Feb 2025 13:05

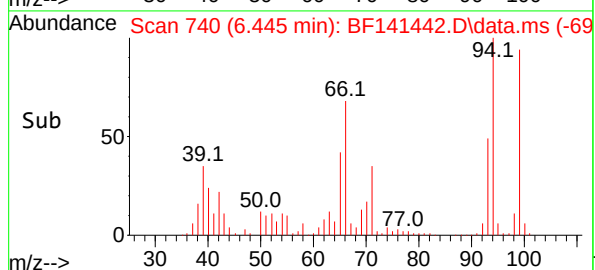
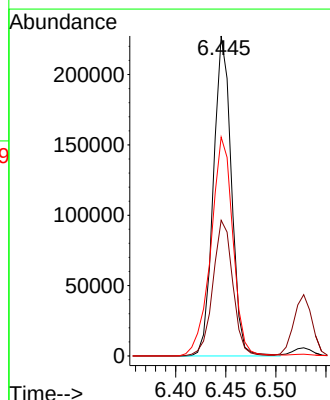
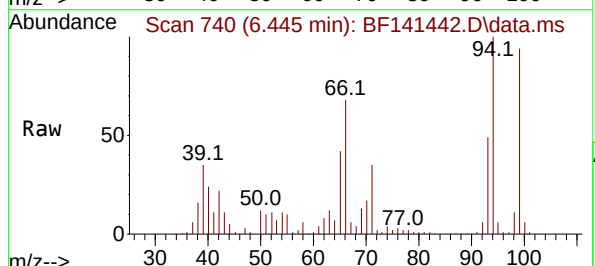
Tgt Ion: 94 Resp: 283733

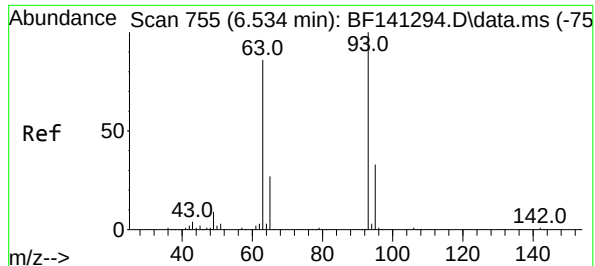
Ion Ratio Lower Upper

94 100

65 42.4 10.8 50.8

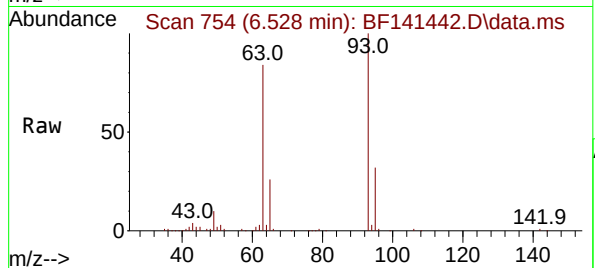
66 68.4 23.3 63.3#





#11
bis(2-Chloroethyl)ether
Concen: 45.788 ng
RT: 6.528 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Instrument :
BNA_F
ClientSampleId :
PB166339BS



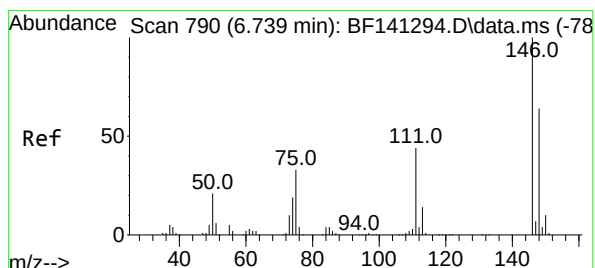
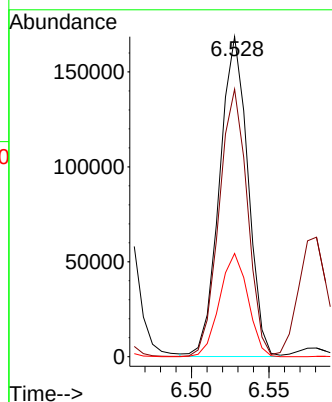
Tgt Ion: 93 Resp: 214452
Ion Ratio Lower Upper
93 100
63 83.6 65.0 105.0
95 32.3 12.4 52.4

Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel

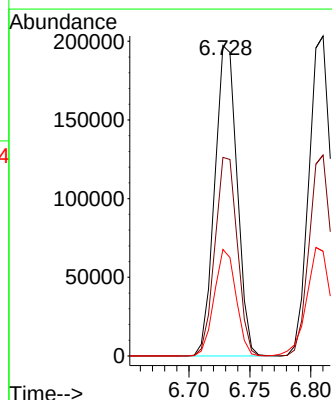
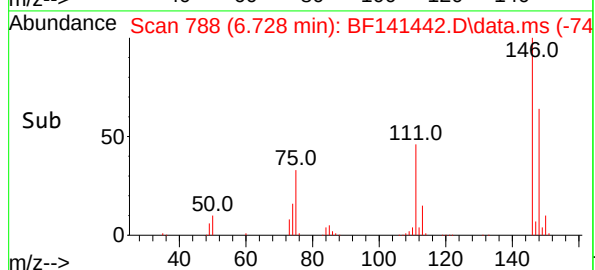
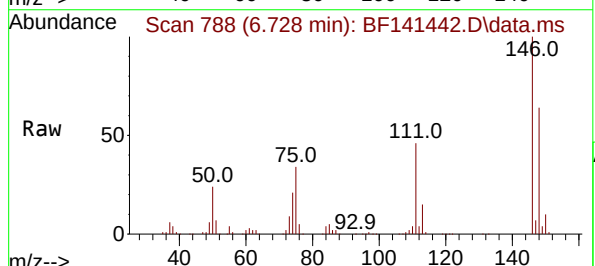
02/06/2025
Supervised By :mohammad
ahmed

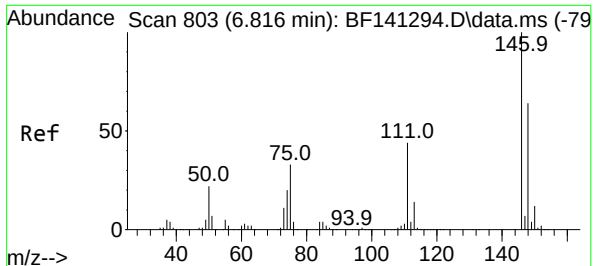
02/06/2025



#12
1,3-Dichlorobenzene
Concen: 47.164 ng
RT: 6.728 min Scan# 788
Delta R.T. -0.018 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:146 Resp: 252480
Ion Ratio Lower Upper
146 100
148 64.0 51.2 76.8
75 34.4 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 48.056 ng

RT: 6.810 min Scan# 803

Delta R.T. -0.012 min

Lab File: BF141442.D

Acq: 05 Feb 2025 13:05

Instrument :

BNA_F

ClientSampleId :

PB166339BS

Tgt Ion:146 Resp: 25843

Ion Ratio Lower Upper

146 100

148 62.8 51.2 76.8

111 43.5 35.0 52.4

Manual Integrations

APPROVED

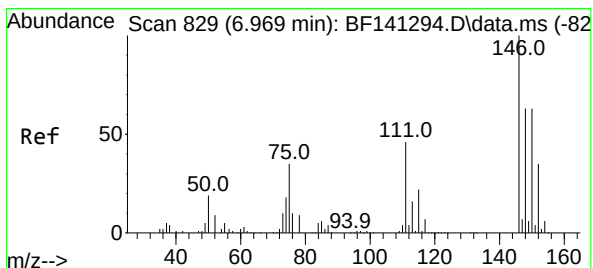
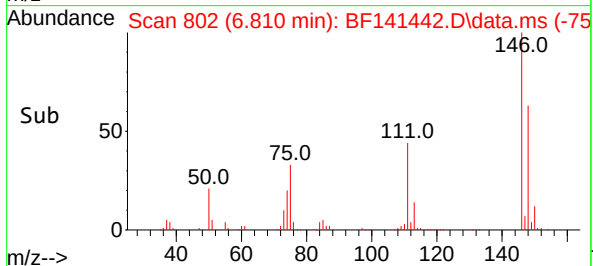
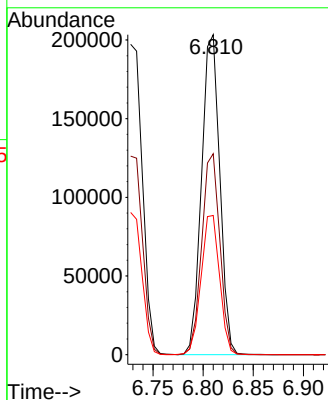
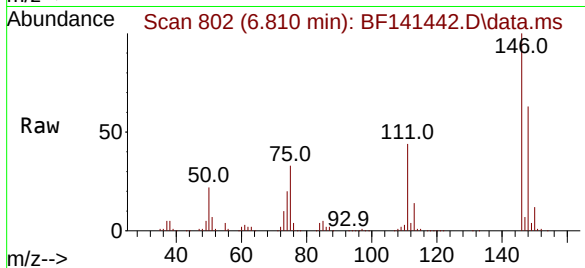
Reviewed By :Yogesh

Patel

02/06/2025

Supervised By :mohammad
ahmed

02/06/2025



#14

1,2-Dichlorobenzene

Concen: 48.108 ng

RT: 6.957 min Scan# 827

Delta R.T. -0.018 min

Lab File: BF141442.D

Acq: 05 Feb 2025 13:05

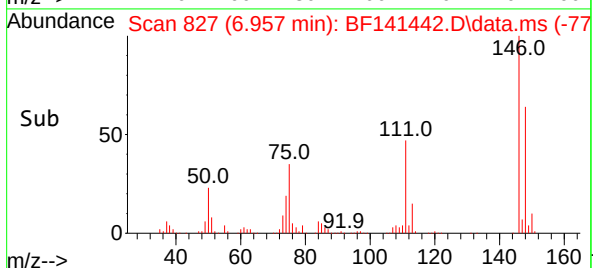
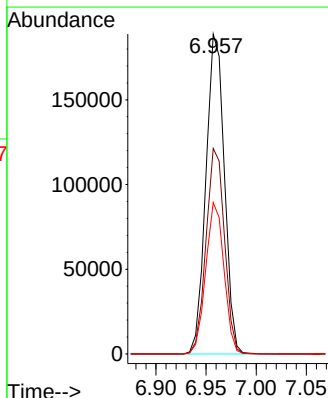
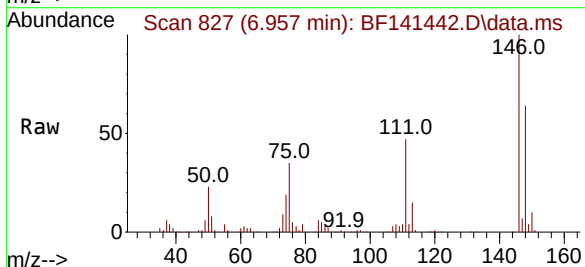
Tgt Ion:146 Resp: 242260

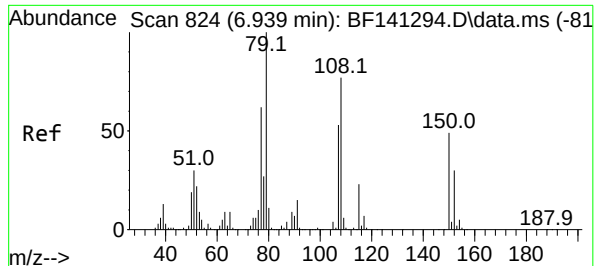
Ion Ratio Lower Upper

146 100

148 64.2 50.5 75.7

111 47.3 36.6 55.0





#15

Benzyl Alcohol

Concen: 53.568 ng

RT: 6.934 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF141442.D

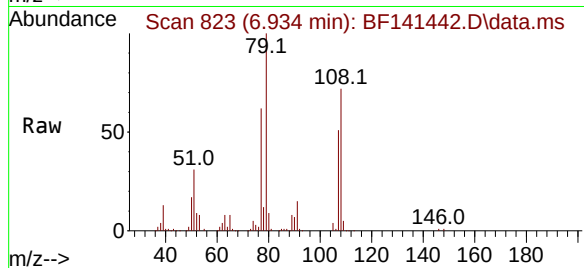
Acq: 05 Feb 2025 13:05

Instrument :

BNA_F

ClientSampleId :

PB166339BS



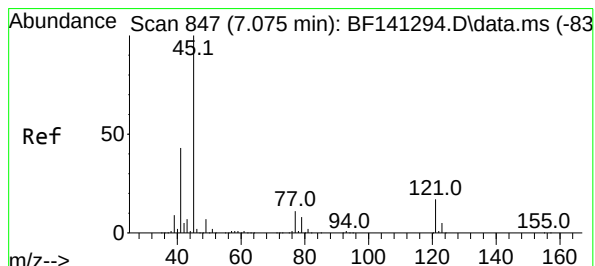
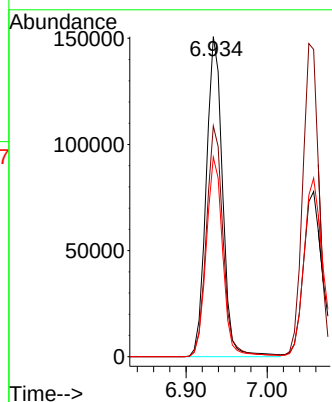
Tgt Ion: 79	Resp: 21094
Ion Ratio	Lower Upper
79	100
108	72.1 61.4 92.0
77	62.3 49.9 74.9

Manual Integrations
APPROVEDReviewed By :Yogesh
Patel

02/06/2025

Supervised By :mohammad
ahmed

02/06/2025



#16

2,2'-oxybis(1-Chloropropane)

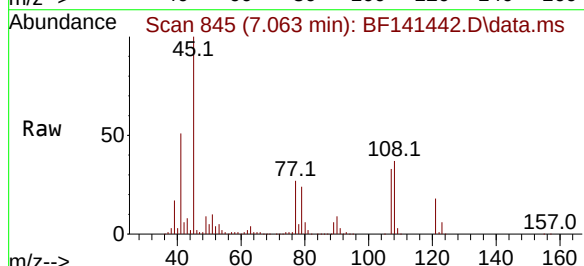
Concen: 45.016 ng

RT: 7.063 min Scan# 845

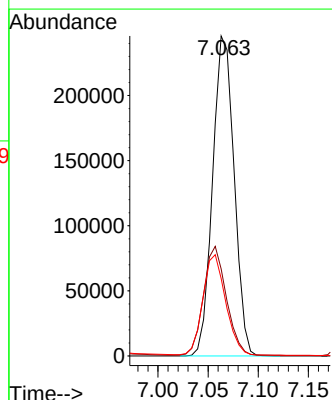
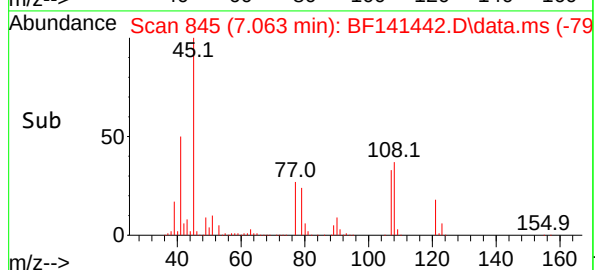
Delta R.T. -0.018 min

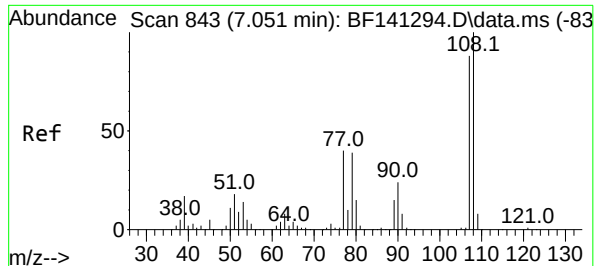
Lab File: BF141442.D

Acq: 05 Feb 2025 13:05



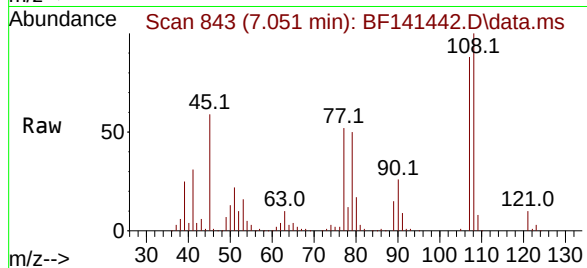
Tgt Ion: 45	Resp: 366624
Ion Ratio	Lower Upper
45	100
77	27.2 0.0 31.8
79	24.2 0.0 29.1





#17
2-Methylphenol
Concen: 46.527 ng
RT: 7.051 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Instrument :
BNA_F
ClientSampleId :
PB166339BS



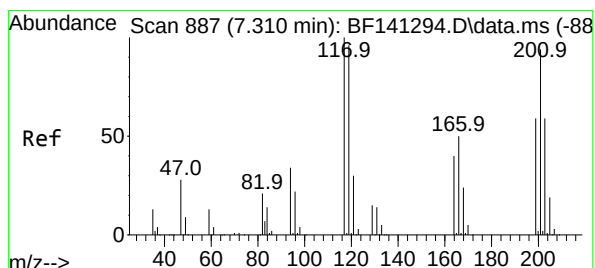
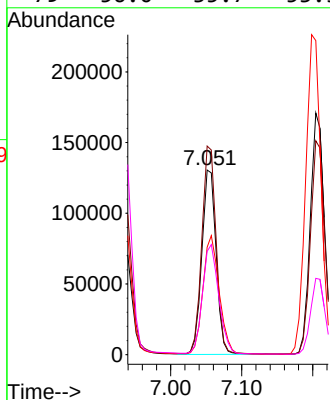
Tgt Ion:107 Resp: 183589
Ion Ratio Lower Upper
107 100
108 113.0 90.8 136.2
77 58.3 36.2 54.4
79 56.0 35.7 53.5

Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel

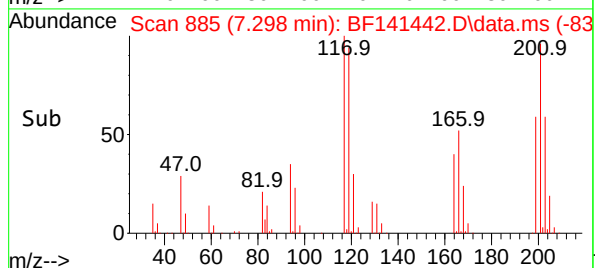
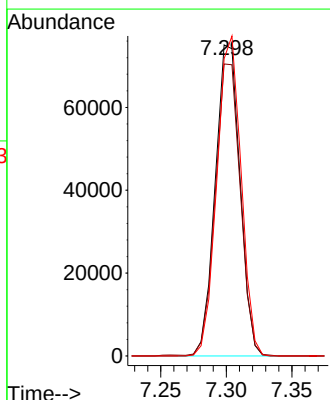
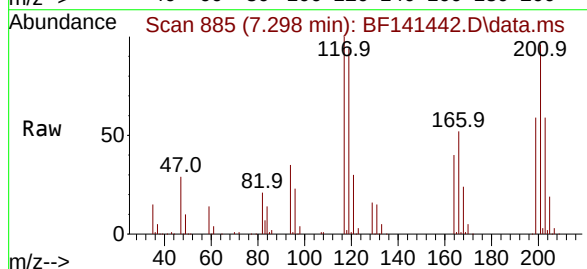
02/06/2025
Supervised By :mohammad
ahmed

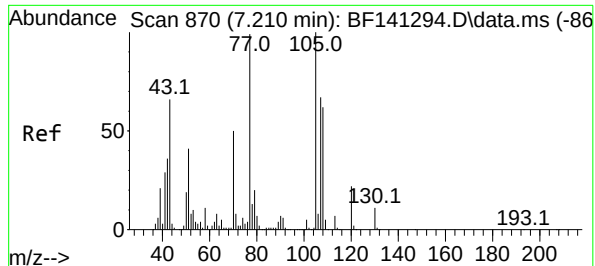
02/06/2025



#18
Hexachloroethane
Concen: 49.722 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.018 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:117 Resp: 98645
Ion Ratio Lower Upper
117 100
119 93.9 76.6 114.8
201 95.6 74.8 112.2





#19

n-Nitroso-di-n-propylamine

Concen: 47.519 ng

RT: 7.204 min Scan# 869

Delta R.T. -0.024 min

Lab File: BF141442.D

Acq: 05 Feb 2025 13:05

Instrument :

BNA_F

ClientSampleId :

PB166339BS

Tgt Ion: 70 Resp: 162704

Ion Ratio Lower Upper

70 100

42 72.7 56.8 85.2

101 10.2 7.7 11.5

130 21.5 16.8 25.2

Manual Integrations

APPROVED

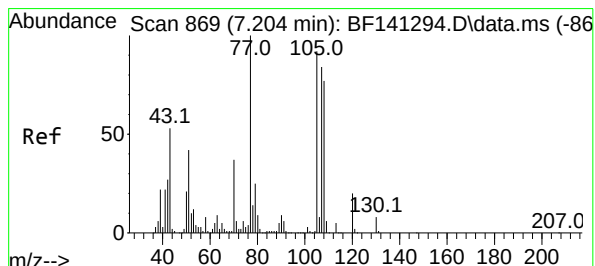
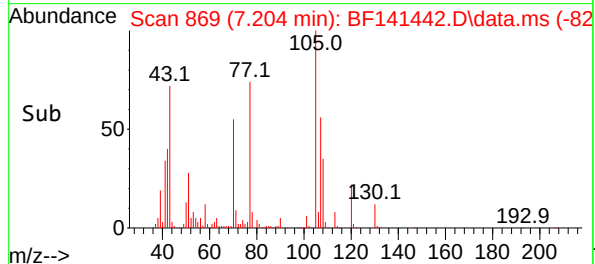
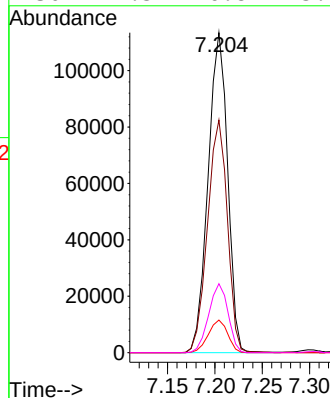
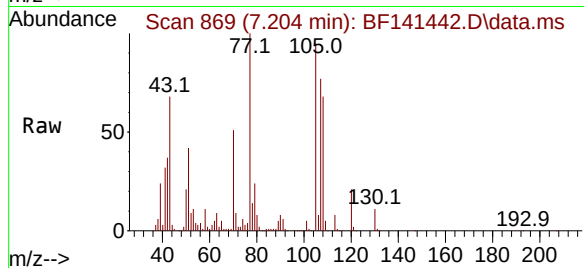
Reviewed By :Yogesh

Patel

02/06/2025

Supervised By :mohammad
ahmed

02/06/2025



#20

3+4-Methylphenols

Concen: 49.083 ng

RT: 7.204 min Scan# 869

Delta R.T. -0.012 min

Lab File: BF141442.D

Acq: 05 Feb 2025 13:05

Tgt Ion:107 Resp: 237802

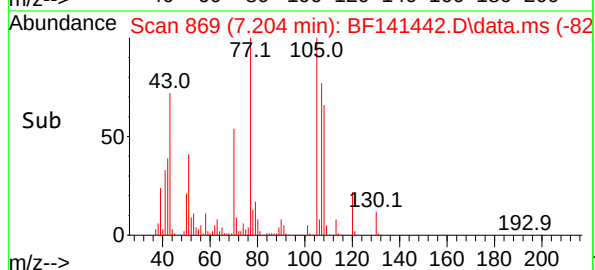
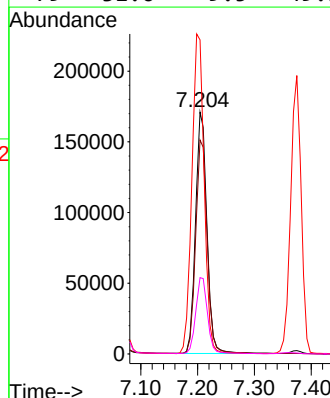
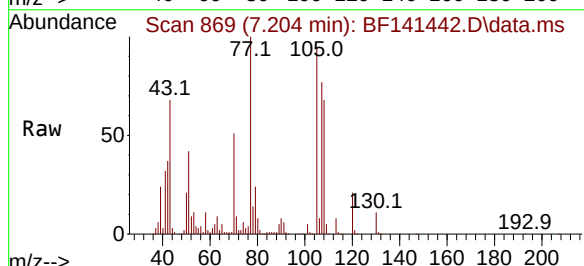
Ion Ratio Lower Upper

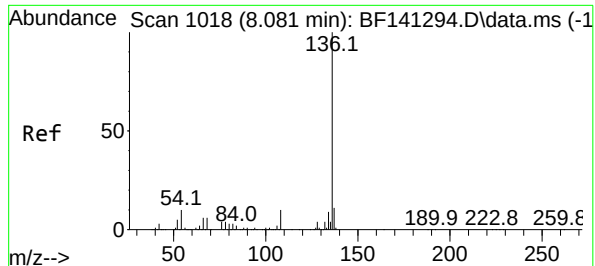
107 100

108 88.5 70.9 110.9

77 129.9 98.5 138.5

79 31.6 9.5 49.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.075 min Scan# 1018

Delta R.T. -0.012 min

Lab File: BF141442.D

Acq: 05 Feb 2025 13:05

Instrument :

BNA_F

ClientSampleId :

PB166339BS

Tgt Ion:136 Resp: 272940

Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

54 8.8 7.8 11.8

68 4.6 4.9 7.3

Manual Integrations

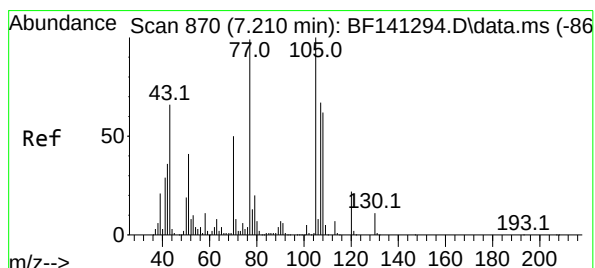
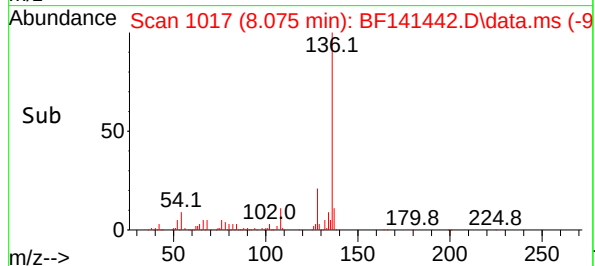
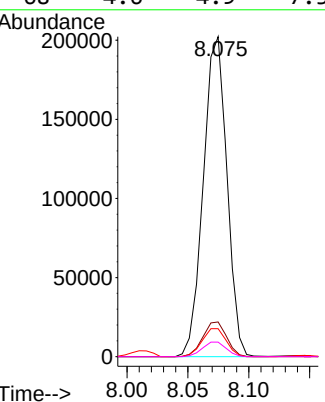
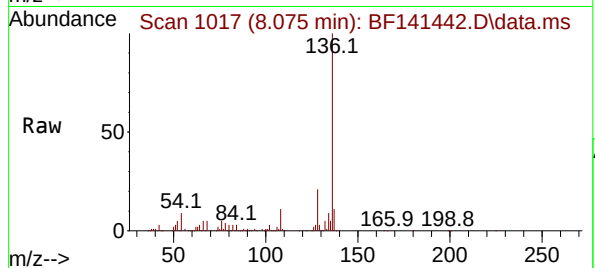
APPROVED

Reviewed By :Yogesh
Patel

02/06/2025

Supervised By :mohammad
ahmed

02/06/2025



#22

Acetophenone

Concen: 50.636 ng

RT: 7.198 min Scan# 868

Delta R.T. -0.018 min

Lab File: BF141442.D

Acq: 05 Feb 2025 13:05

Tgt Ion:105 Resp: 328523

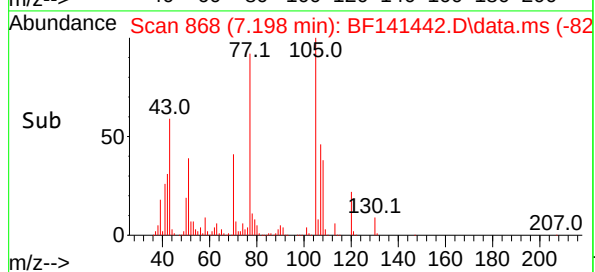
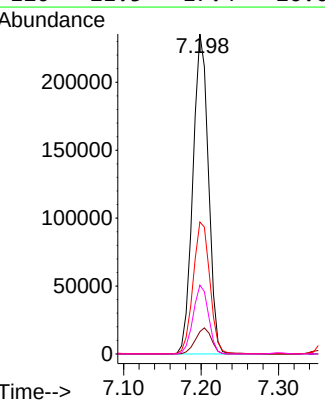
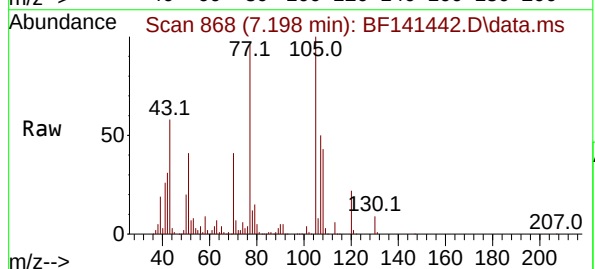
Ion Ratio Lower Upper

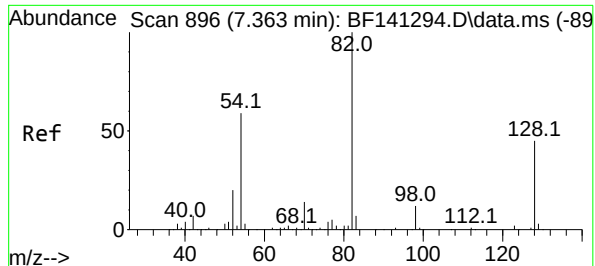
105 100

71 7.0 6.8 10.2

51 41.2 32.6 49.0

120 21.5 17.4 26.0





#23

Nitrobenzene-d5

Concen: 96.382 ng

RT: 7.357 min Scan# 895

Delta R.T. -0.012 min

Lab File: BF141442.D

Acq: 05 Feb 2025 13:05

Instrument :

BNA_F

ClientSampleId :

PB166339BS

Tgt Ion: 82 Resp: 499029

Ion Ratio Lower Upper

82 100

128 43.6 35.7 53.5

54 58.7 47.1 70.7

Manual Integrations

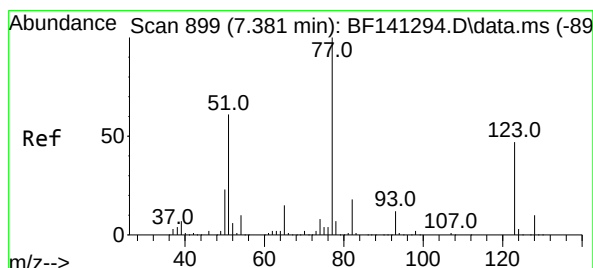
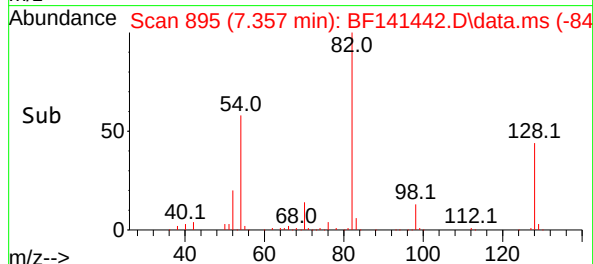
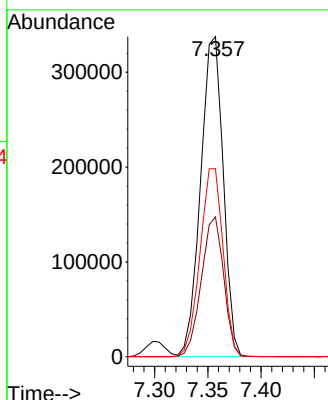
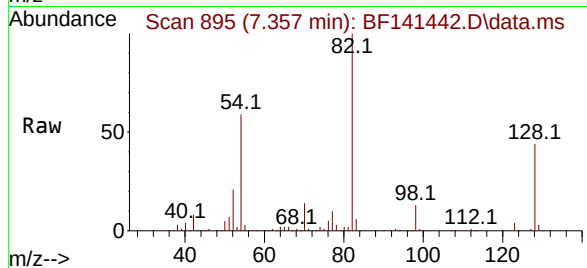
APPROVED

Reviewed By :Yogesh
Patel

02/06/2025

Supervised By :mohammad
ahmed

02/06/2025



#24

Nitrobenzene

Concen: 47.060 ng

RT: 7.375 min Scan# 898

Delta R.T. -0.018 min

Lab File: BF141442.D

Acq: 05 Feb 2025 13:05

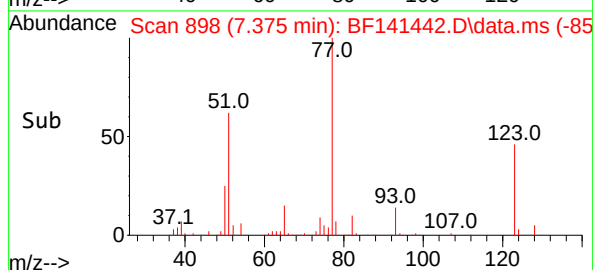
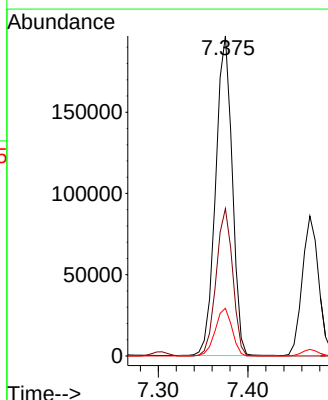
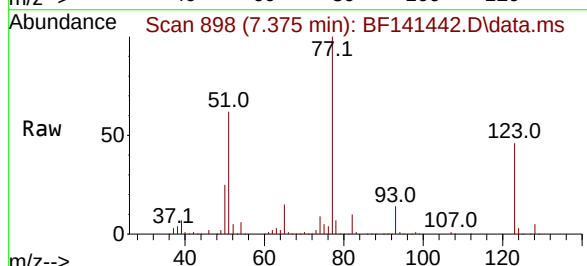
Tgt Ion: 77 Resp: 252507

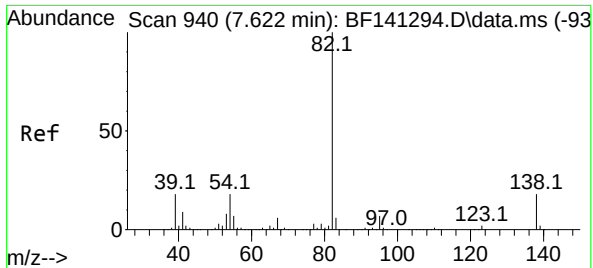
Ion Ratio Lower Upper

77 100

123 46.1 37.3 55.9

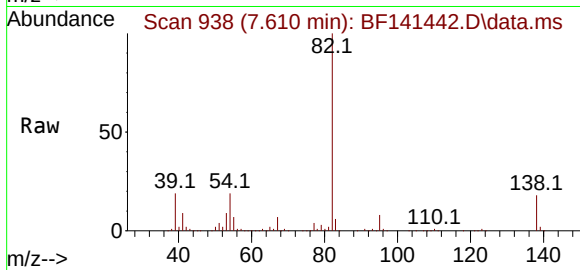
65 14.9 11.8 17.6





#25
Isophorone
Concen: 48.627 ng
RT: 7.610 min Scan# 91
Delta R.T. -0.018 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Instrument :
BNA_F
ClientSampleId :
PB166339BS



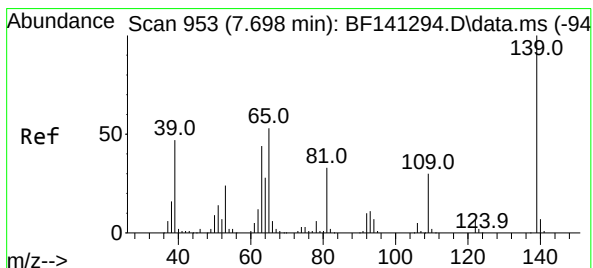
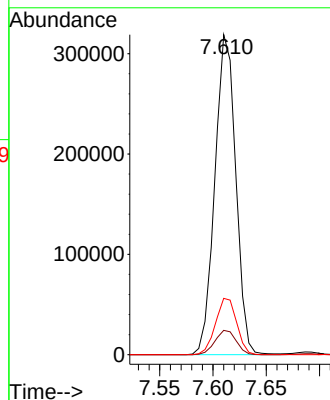
Tgt Ion: 82 Resp: 43521
Ion Ratio Lower Upper
82 100
95 7.6 5.8 8.6
138 17.6 14.7 22.1

Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel

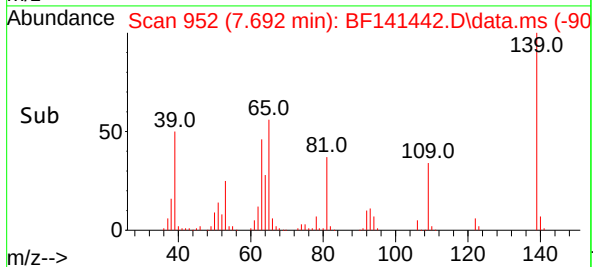
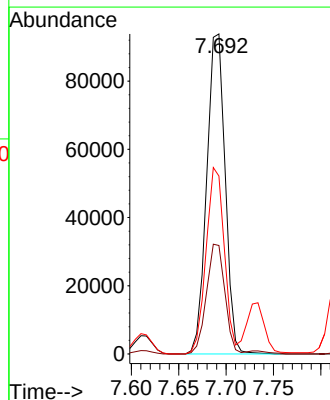
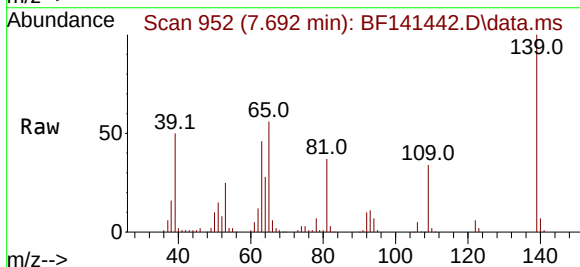
02/06/2025
Supervised By :mohammad
ahmed

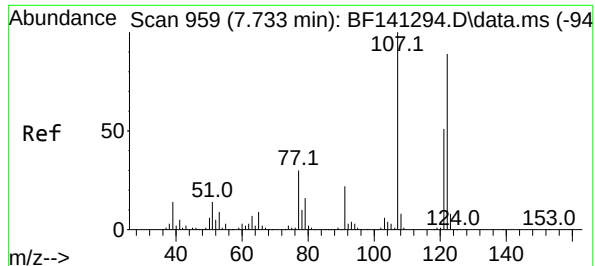
02/06/2025



#26
2-Nitrophenol
Concen: 50.132 ng
RT: 7.692 min Scan# 952
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:139 Resp: 126860
Ion Ratio Lower Upper
139 100
109 33.9 23.8 35.6
65 55.6 42.2 63.4





#27

2,4-Dimethylphenol

Concen: 56.941 ng m

RT: 7.734 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF141442.D

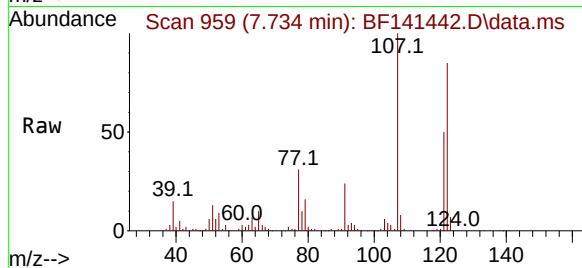
Acq: 05 Feb 2025 13:05

Instrument :

BNA_F

ClientSampleId :

PB166339BS



Tgt Ion:122 Resp: 18340

Ion Ratio Lower Upper

122 100

107 118.0 89.9 134.9

121 59.0 46.1 69.1

Manual Integrations

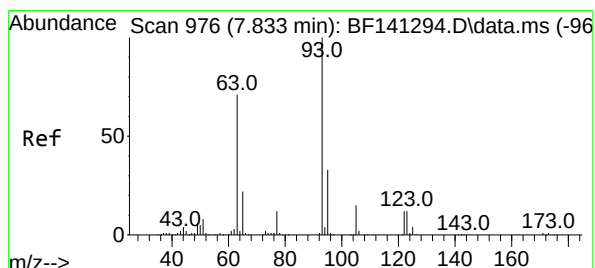
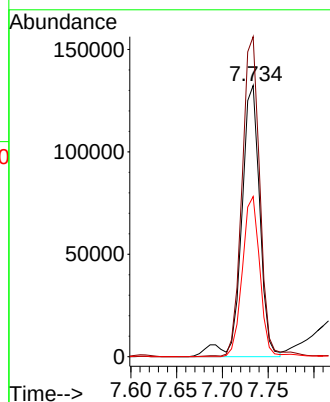
APPROVED

Reviewed By :Yogesh
Patel

02/06/2025

Supervised By :mohammad
ahmed

02/06/2025



#28

bis(2-Chloroethoxy)methane

Concen: 45.943 ng

RT: 7.822 min Scan# 974

Delta R.T. -0.018 min

Lab File: BF141442.D

Acq: 05 Feb 2025 13:05

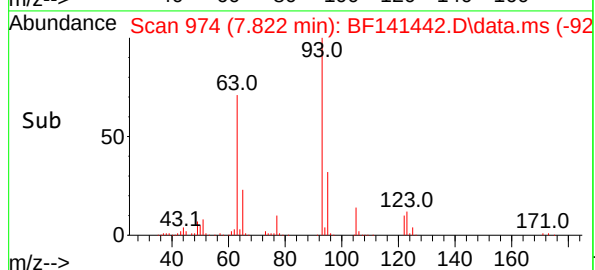
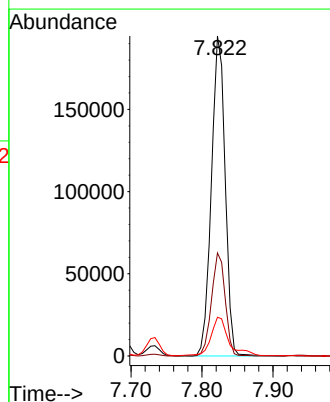
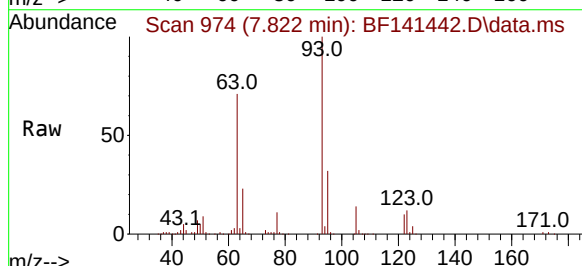
Tgt Ion: 93 Resp: 262284

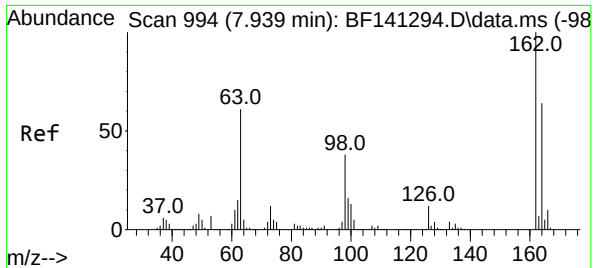
Ion Ratio Lower Upper

93 100

95 32.2 26.2 39.2

123 12.1 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 48.983 ng

RT: 7.939 min Scan# 994

Delta R.T. -0.006 min

Lab File: BF141442.D

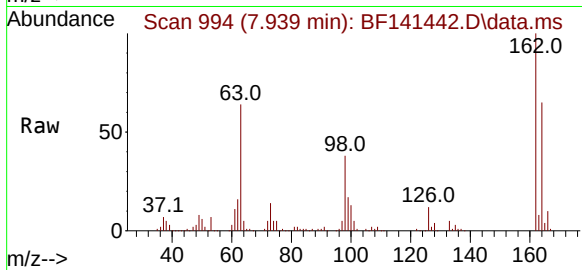
Acq: 05 Feb 2025 13:05

Instrument :

BNA_F

ClientSampleId :

PB166339BS



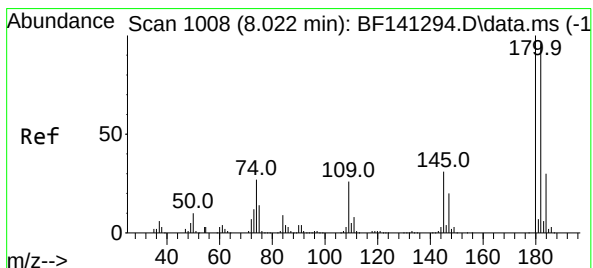
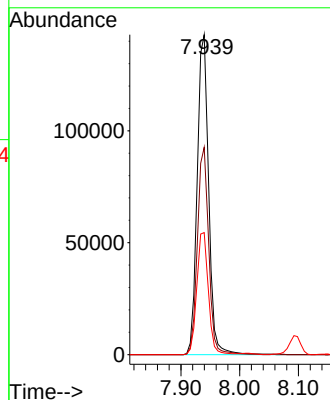
Tgt Ion:	162	Resp:	19314
Ion Ratio	Lower	Upper	
162	100		
164	64.8	44.2	84.2
98	38.2	18.2	58.2

Manual Integrations
APPROVEDReviewed By :Yogesh
Patel

02/06/2025

Supervised By :mohammad
ahmed

02/06/2025



#30

1,2,4-Trichlorobenzene

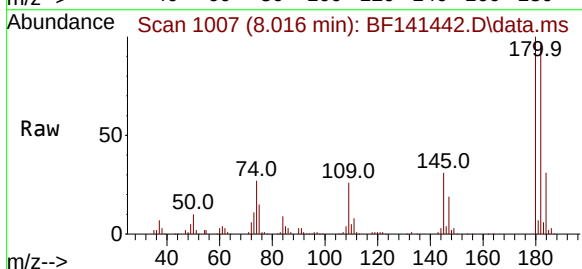
Concen: 47.216 ng

RT: 8.016 min Scan# 1007

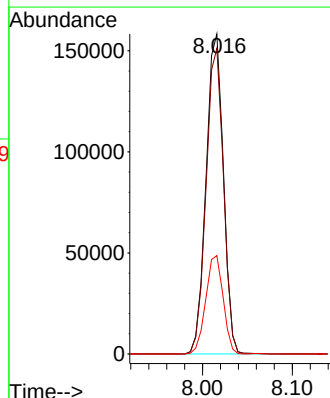
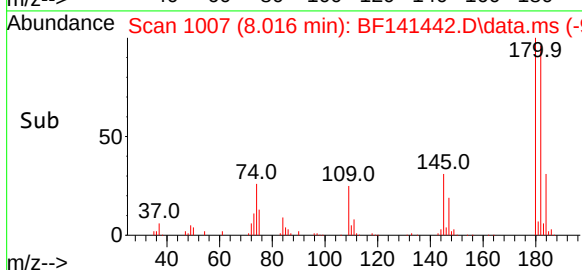
Delta R.T. -0.012 min

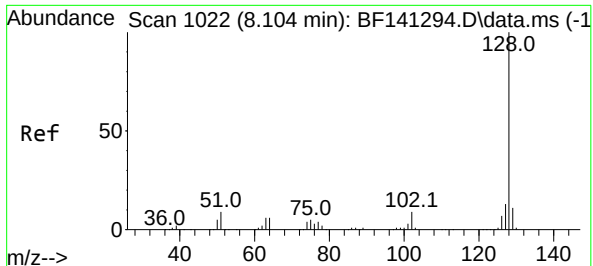
Lab File: BF141442.D

Acq: 05 Feb 2025 13:05



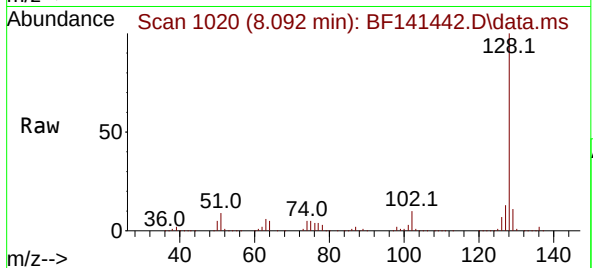
Tgt Ion:	180	Resp:	212618
Ion Ratio	Lower	Upper	
180	100		
182	95.5	76.4	114.6
145	30.8	24.9	37.3





#31
Naphthalene
Concen: 48.255 ng
RT: 8.092 min Scan# 1022
Delta R.T. -0.018 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Instrument :
BNA_F
ClientSampleId :
PB166339BS



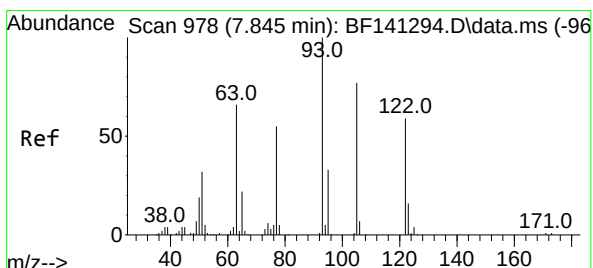
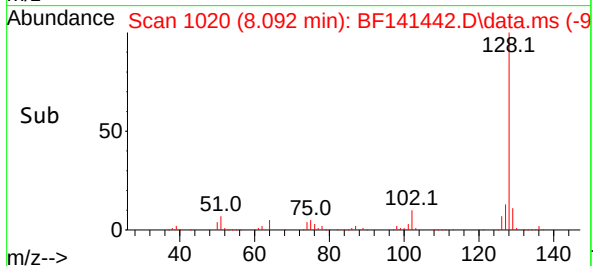
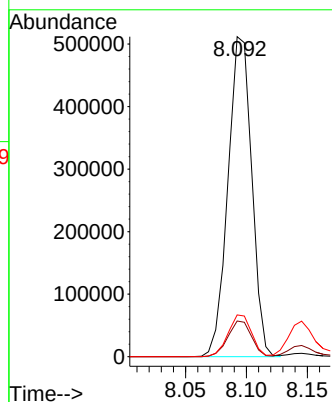
Tgt Ion:128 Resp: 69578
Ion Ratio Lower Upper
128 100
129 11.1 8.9 13.3
127 13.1 10.6 15.8

Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel

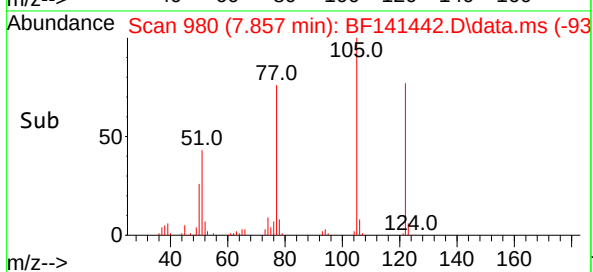
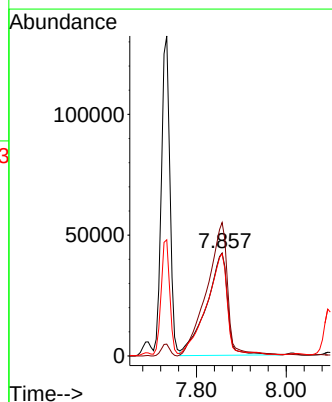
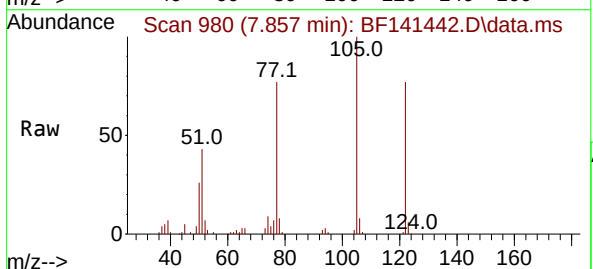
02/06/2025
Supervised By :mohammad
ahmed

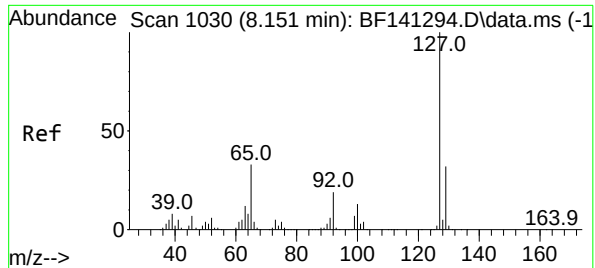
02/06/2025



#32
Benzoic acid
Concen: 46.941 ng
RT: 7.857 min Scan# 980
Delta R.T. -0.024 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:122 Resp: 138989
Ion Ratio Lower Upper
122 100
105 129.7 103.4 143.4
77 99.5 70.9 110.9





#33

4-Chloroaniline

Concen: 19.632 ng

RT: 8.145 min Scan# 1029

Delta R.T. -0.012 min

Lab File: BF141442.D

Acq: 05 Feb 2025 13:05

Instrument :

BNA_F

ClientSampleId :

PB166339BS

Tgt Ion:127 Resp: 95992

Ion Ratio Lower Upper

127 100

129 31.7 25.7 38.5

65 32.7 26.4 39.6

92 20.4 15.1 22.7

Manual Integrations

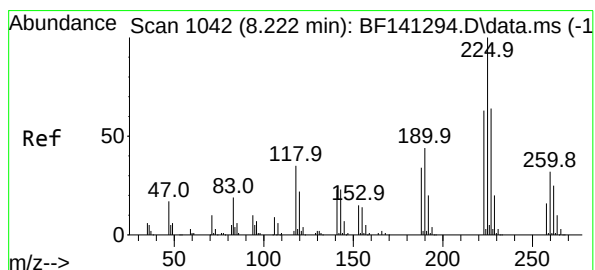
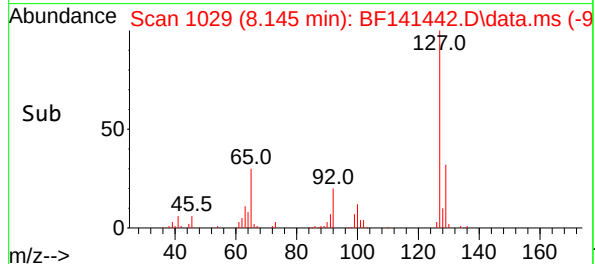
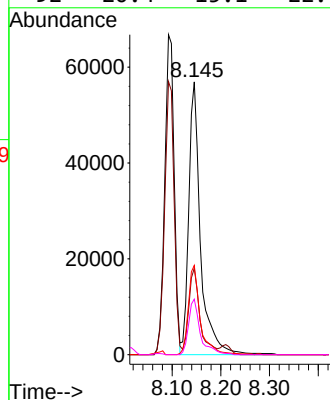
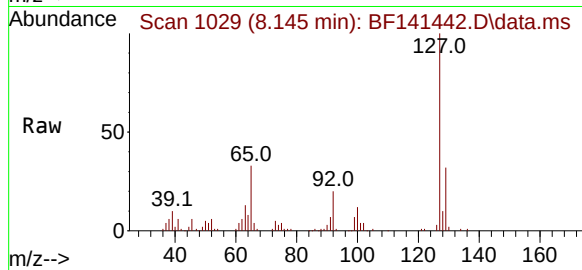
APPROVED

Reviewed By :Yogesh
Patel

02/06/2025

Supervised By :mohammad
ahmed

02/06/2025



#34

Hexachlorobutadiene

Concen: 51.108 ng

RT: 8.210 min Scan# 1040

Delta R.T. -0.012 min

Lab File: BF141442.D

Acq: 05 Feb 2025 13:05

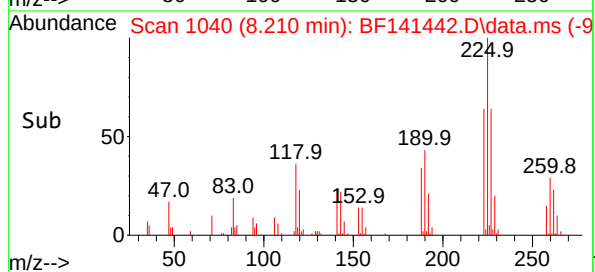
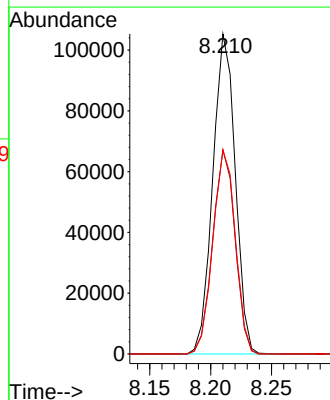
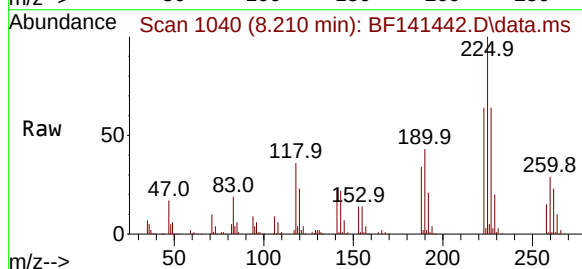
Tgt Ion:225 Resp: 134966

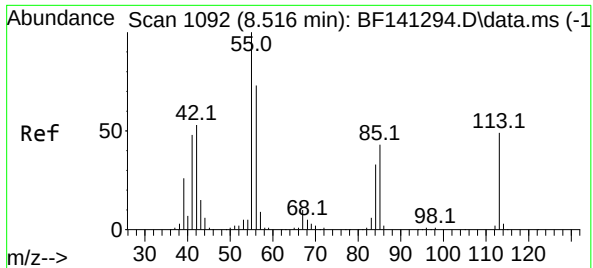
Ion Ratio Lower Upper

225 100

223 63.7 50.4 75.6

227 63.7 51.3 76.9





#35

Caprolactam

Concen: 46.782 ng m

RT: 8.510 min Scan# 1109

Delta R.T. -0.035 min

Lab File: BF141442.D

Acq: 05 Feb 2025 13:05

Instrument :

BNA_F

ClientSampleId :

PB166339BS

Tgt Ion:113 Resp: 60244

Ion Ratio Lower Upper

113 100

55 200.9 182.9 222.9

56 156.6 127.9 167.9

Manual Integrations

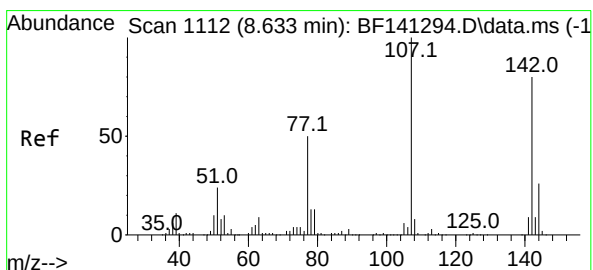
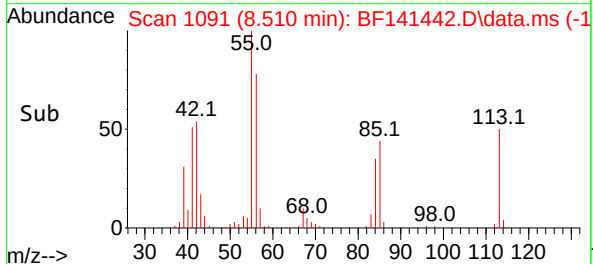
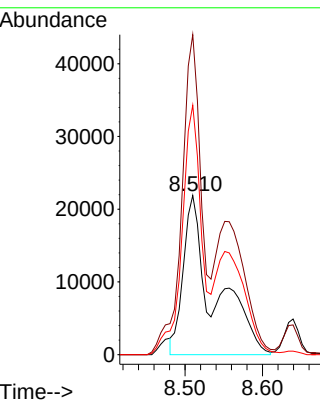
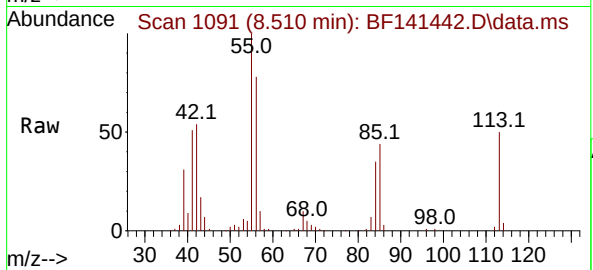
APPROVED

Reviewed By :Yogesh
Patel

02/06/2025

Supervised By :mohammad
ahmed

02/06/2025



#36

4-Chloro-3-methylphenol

Concen: 50.702 ng

RT: 8.639 min Scan# 1113

Delta R.T. -0.000 min

Lab File: BF141442.D

Acq: 05 Feb 2025 13:05

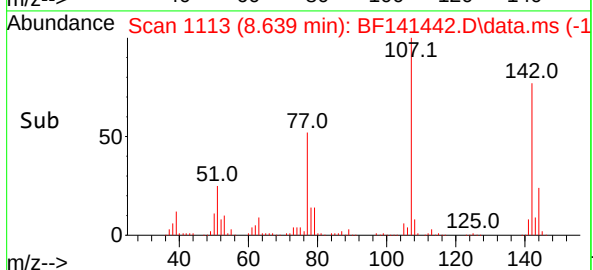
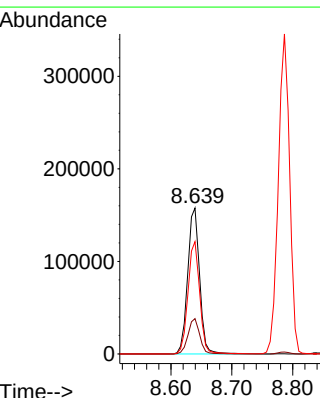
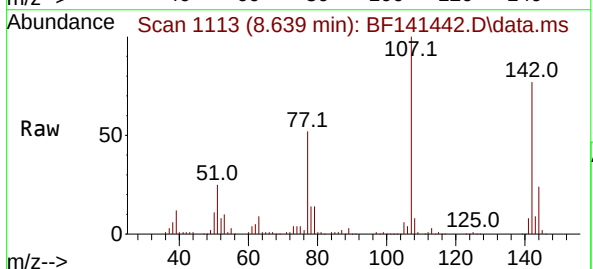
Tgt Ion:107 Resp: 214446

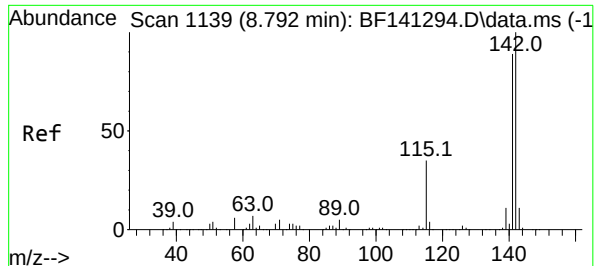
Ion Ratio Lower Upper

107 100

144 24.2 20.7 31.1

142 77.0 63.8 95.8





#37

2-Methylnaphthalene

Concen: 48.723 ng

RT: 8.786 min Scan# 1138

Delta R.T. -0.012 min

Lab File: BF141442.D

Acq: 05 Feb 2025 13:05

Instrument :

BNA_F

ClientSampleId :

PB166339BS

Tgt Ion:142 Resp: 446519

Ion Ratio Lower Upper

142 100

141 89.0 71.3 106.9

Manual Integrations

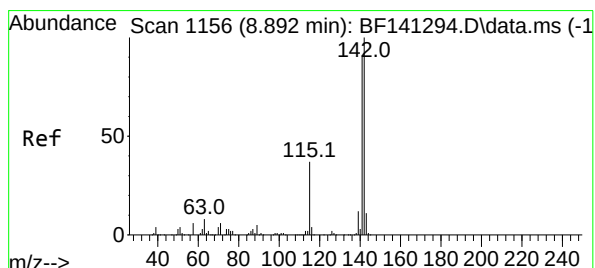
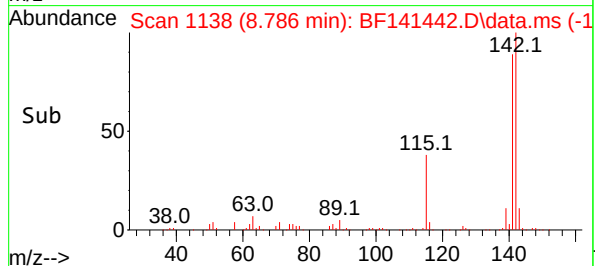
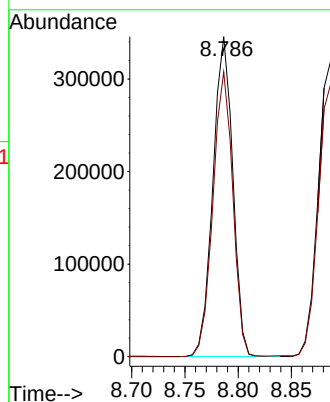
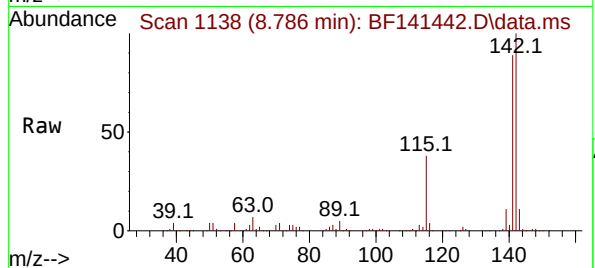
APPROVED

Reviewed By :Yogesh
Patel

02/06/2025

Supervised By :mohammad
ahmed

02/06/2025



#38

1-Methylnaphthalene

Concen: 46.203 ng

RT: 8.886 min Scan# 1155

Delta R.T. -0.012 min

Lab File: BF141442.D

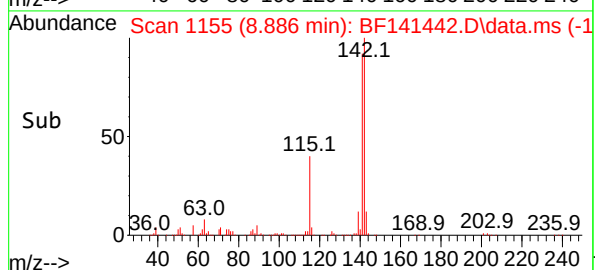
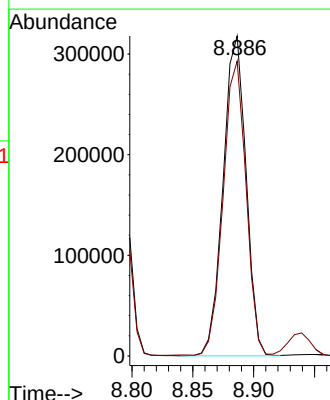
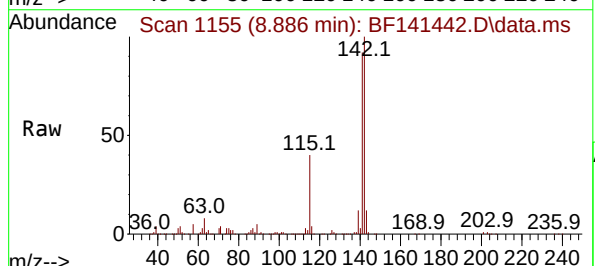
Acq: 05 Feb 2025 13:05

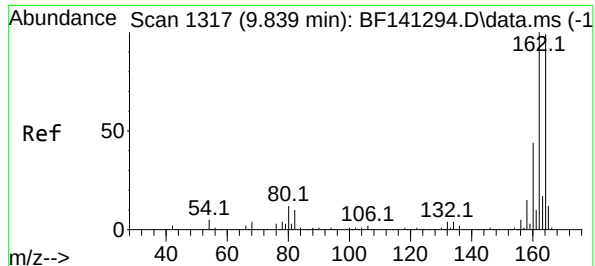
Tgt Ion:142 Resp: 415934

Ion Ratio Lower Upper

142 100

141 92.1 73.2 109.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.828 min Scan# 1165

Delta R.T. -0.012 min

Lab File: BF141442.D

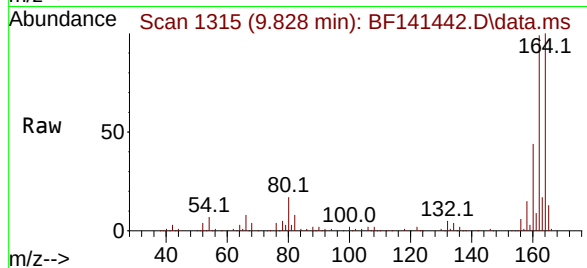
Acq: 05 Feb 2025 13:05

Instrument :

BNA_F

ClientSampleId :

PB166339BS



Tgt Ion:164 Resp: 15080

Ion Ratio Lower Upper

164 100

162 98.9 80.6 121.0

160 44.4 35.8 53.6

Manual Integrations

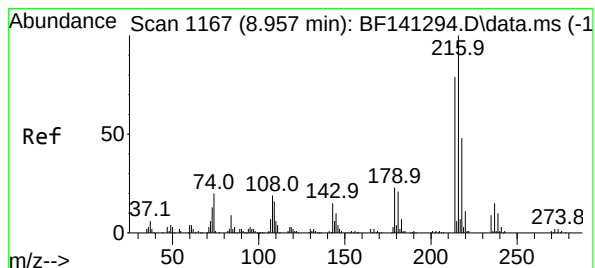
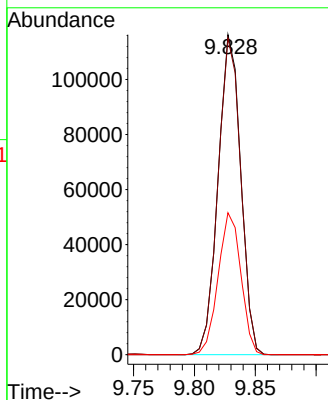
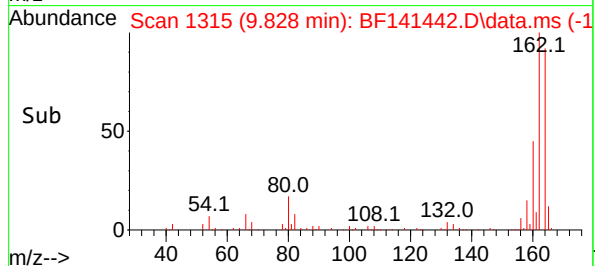
APPROVED

Reviewed By :Yogesh
Patel

02/06/2025

Supervised By :mohammad
ahmed

02/06/2025



#40

1,2,4,5-Tetrachlorobenzene

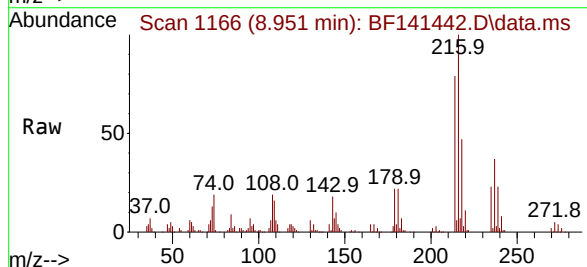
Concen: 49.087 ng

RT: 8.951 min Scan# 1166

Delta R.T. -0.012 min

Lab File: BF141442.D

Acq: 05 Feb 2025 13:05



Tgt Ion:216 Resp: 210589

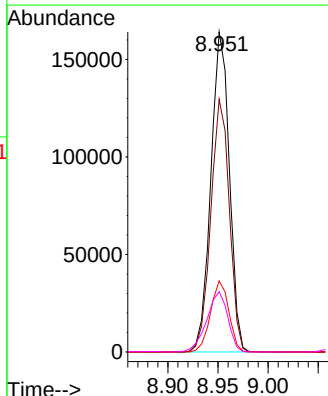
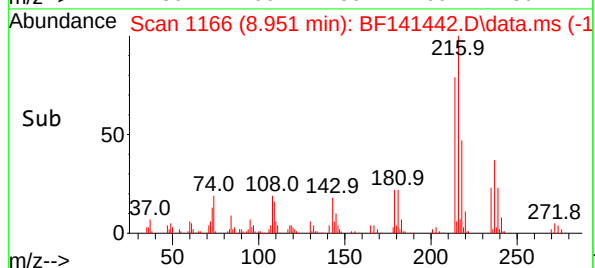
Ion Ratio Lower Upper

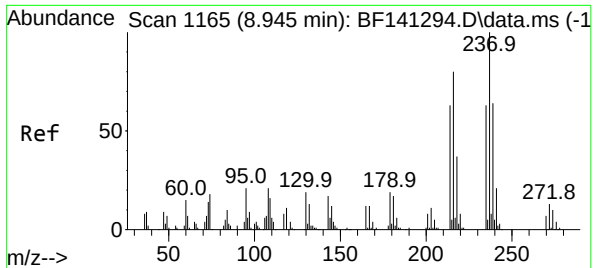
216 100

214 79.0 63.2 94.8

179 22.0 17.8 26.8

108 21.5 15.0 22.6





#41

Hexachlorocyclopentadiene

Concen: 189.249 ng

RT: 8.939 min Scan# 1164

Delta R.T. -0.012 min

Lab File: BF141442.D

Acq: 05 Feb 2025 13:05

Instrument :

BNA_F

ClientSampleId :

PB166339BS

Tgt Ion:237 Resp: 239778

Ion Ratio Lower Upper

237 100

235 62.2 42.9 82.9

272 12.4 0.0 32.8

Manual Integrations

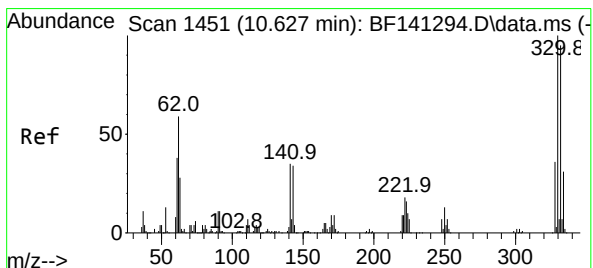
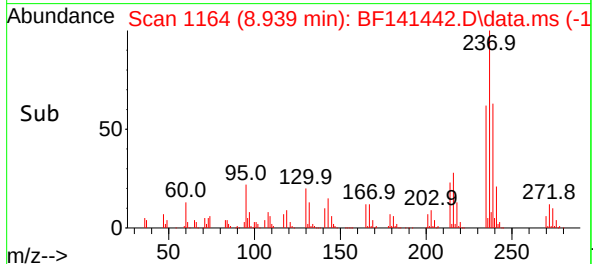
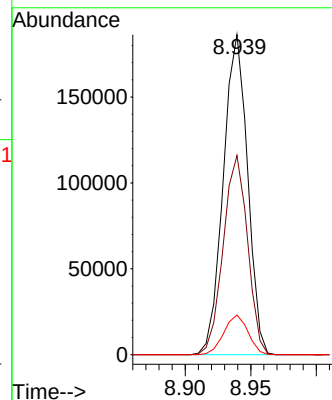
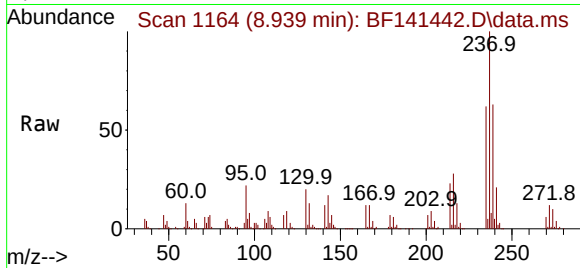
APPROVED

Reviewed By :Yogesh
Patel

02/06/2025

Supervised By :mohammad
ahmed

02/06/2025



#42

2,4,6-Tribromophenol

Concen: 152.483 ng

RT: 10.622 min Scan# 1450

Delta R.T. -0.012 min

Lab File: BF141442.D

Acq: 05 Feb 2025 13:05

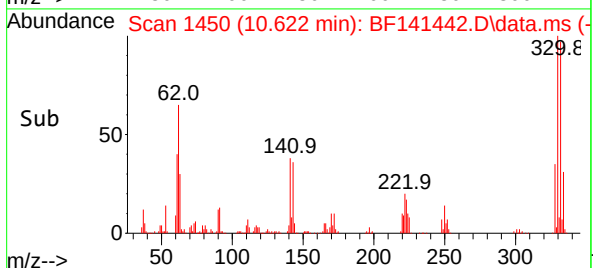
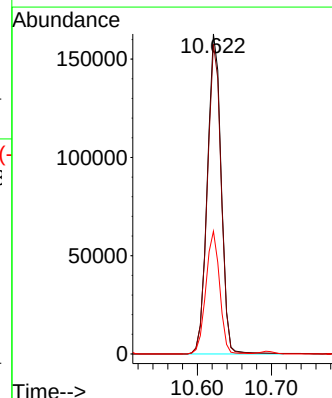
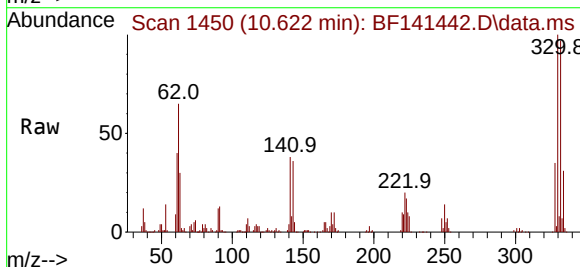
Tgt Ion:330 Resp: 210807

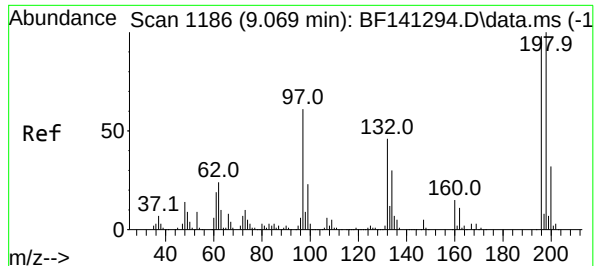
Ion Ratio Lower Upper

330 100

332 97.6 76.1 114.1

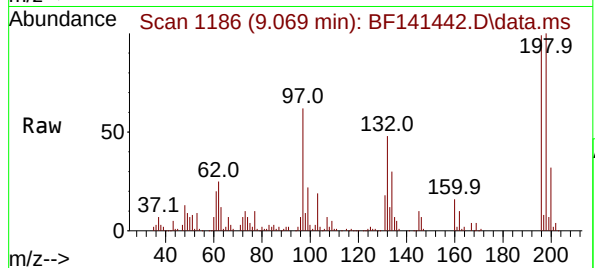
141 38.2 28.8 43.2





#43
2,4,6-Trichlorophenol
Concen: 49.041 ng
RT: 9.069 min Scan# 1186
Delta R.T. -0.006 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Instrument :
BNA_F
ClientSampleId :
PB166339BS



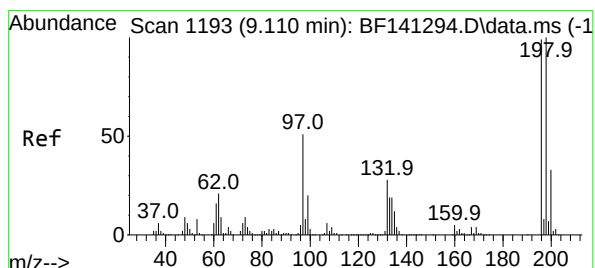
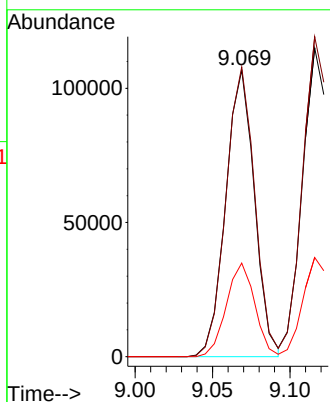
Tgt Ion:196 Resp: 137710
Ion Ratio Lower Upper
196 100
198 101.1 81.8 122.6
200 32.7 26.3 39.5

Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel

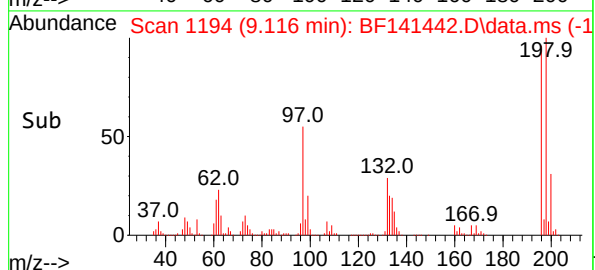
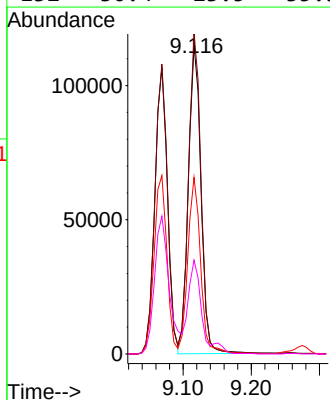
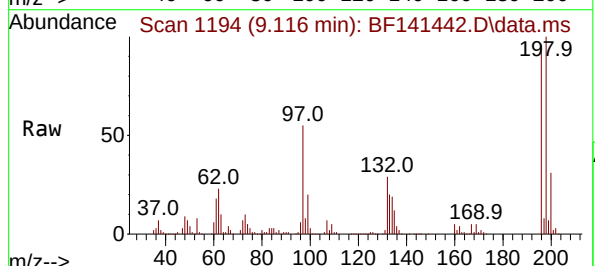
02/06/2025
Supervised By :mohammad
ahmed

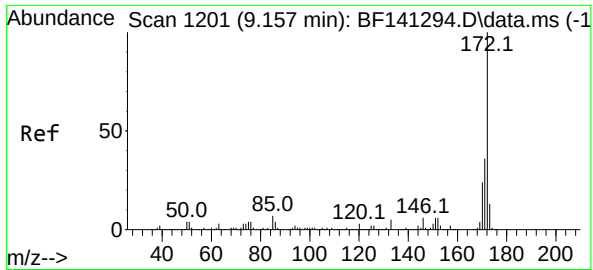
02/06/2025



#44
2,4,5-Trichlorophenol
Concen: 48.031 ng
RT: 9.116 min Scan# 1194
Delta R.T. -0.000 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

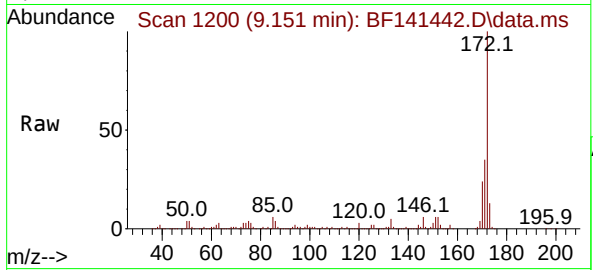
Tgt Ion:196 Resp: 146793
Ion Ratio Lower Upper
196 100
198 103.7 80.5 120.7
97 57.1 42.8 64.2
132 30.4 23.5 35.3





#45
2-Fluorobiphenyl
Concen: 94.571 ng
RT: 9.151 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Instrument :
BNA_F
ClientSampleId :
PB166339BS



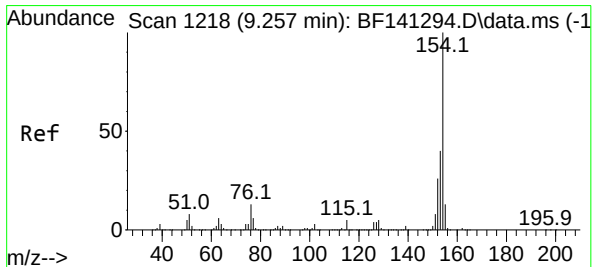
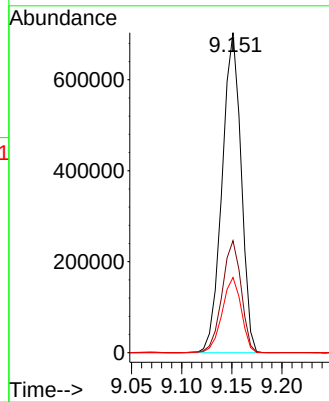
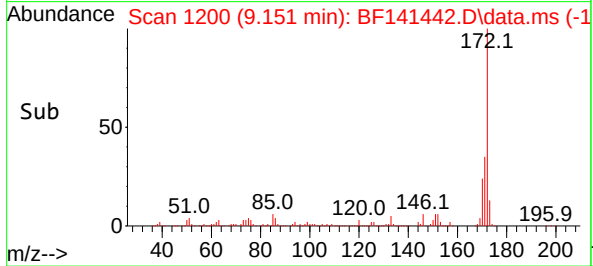
Tgt Ion:172 Resp: 926554
Ion Ratio Lower Upper
172 100
171 35.0 28.8 43.2
170 23.5 19.0 28.6

Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel

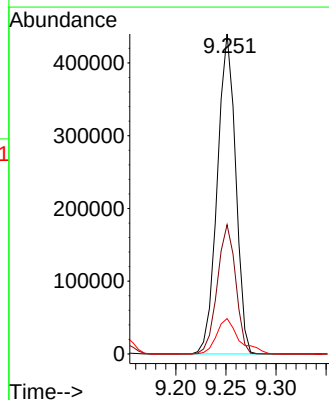
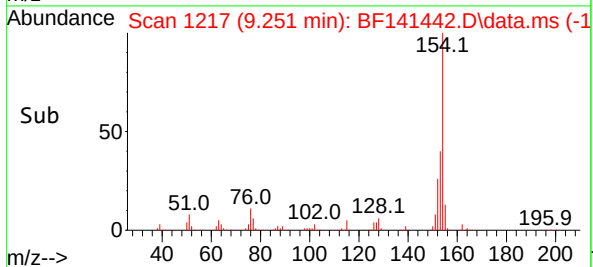
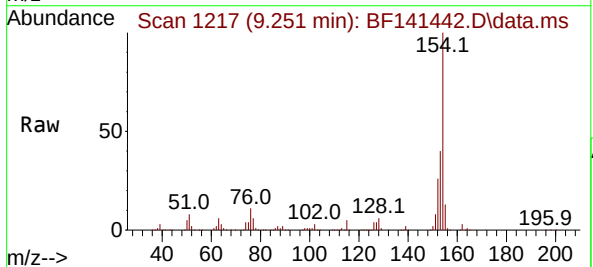
02/06/2025
Supervised By :mohammad
ahmed

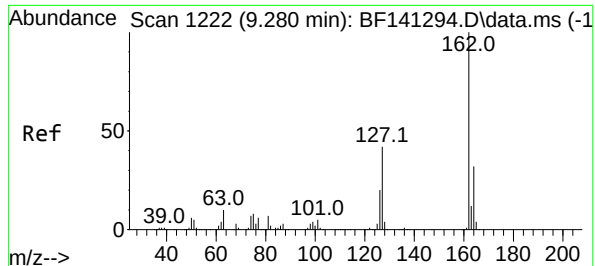
02/06/2025



#46
1,1'-Biphenyl
Concen: 47.512 ng
RT: 9.251 min Scan# 1217
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:154 Resp: 558776
Ion Ratio Lower Upper
154 100
153 40.4 20.0 60.0
76 11.1 0.0 32.8





#47

2-Chloronaphthalene

Concen: 45.853 ng

RT: 9.275 min Scan# 1222

Delta R.T. -0.012 min

Lab File: BF141442.D

Acq: 05 Feb 2025 13:05

Instrument :

BNA_F

ClientSampleId :

PB166339BS

Tgt Ion:162 Resp: 42032

Ion Ratio Lower Upper

162 100

127 43.4 33.7 50.5

164 32.9 25.9 38.9

Manual Integrations

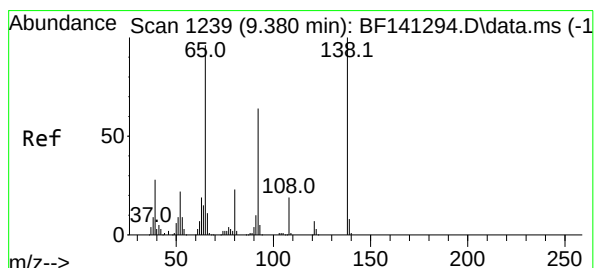
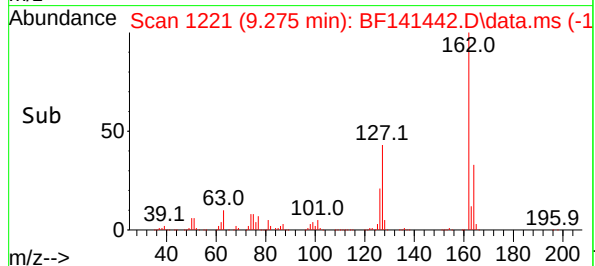
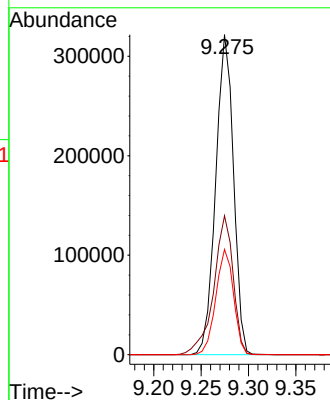
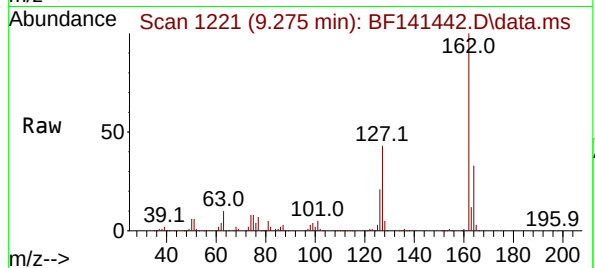
APPROVED

Reviewed By :Yogesh
Patel

02/06/2025

Supervised By :mohammad
ahmed

02/06/2025



#48

2-Nitroaniline

Concen: 50.584 ng

RT: 9.375 min Scan# 1238

Delta R.T. -0.006 min

Lab File: BF141442.D

Acq: 05 Feb 2025 13:05

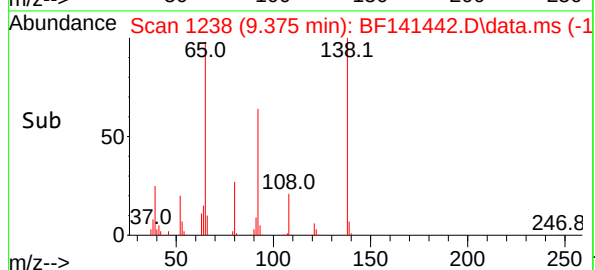
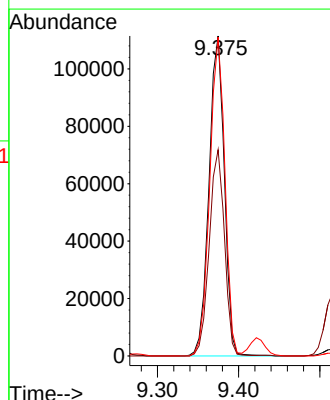
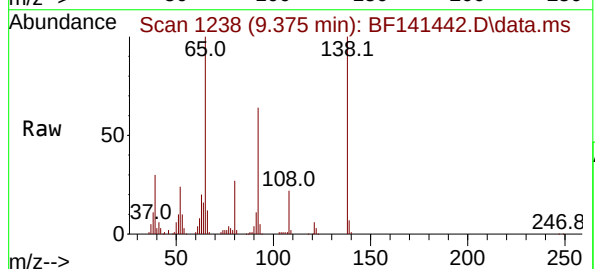
Tgt Ion: 65 Resp: 145851

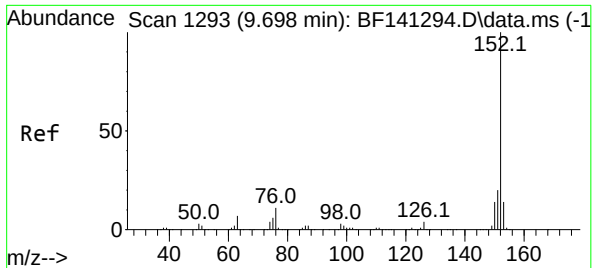
Ion Ratio Lower Upper

65 100

92 64.5 53.3 79.9

138 99.6 83.6 125.4





#49

Acenaphthylene

Concen: 50.826 ng

RT: 9.692 min Scan# 1293

Delta R.T. -0.012 min

Lab File: BF141442.D

Acq: 05 Feb 2025 13:05

Instrument :

BNA_F

ClientSampleId :

PB166339BS

Tgt Ion:	152	Resp:	65219
Ion Ratio	Lower	Upper	
152	100		
151	20.5	16.2	24.2
153	14.0	11.0	16.6

Manual Integrations

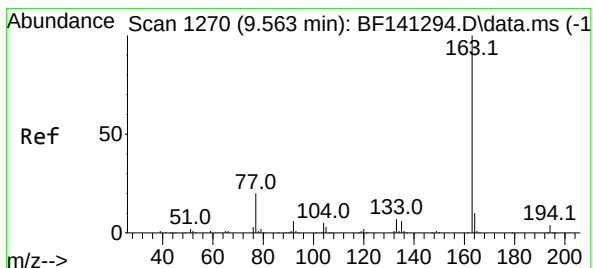
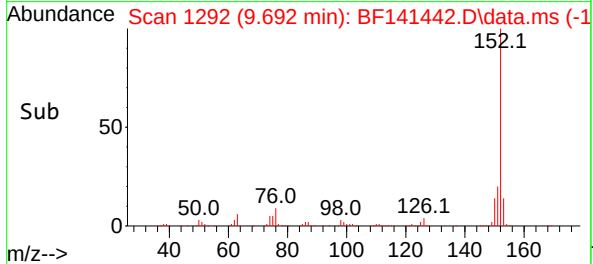
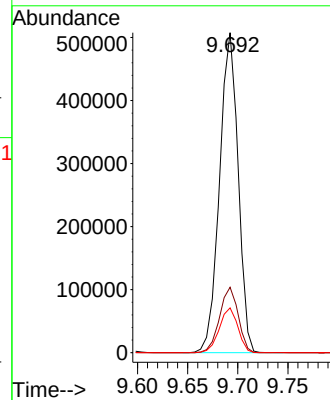
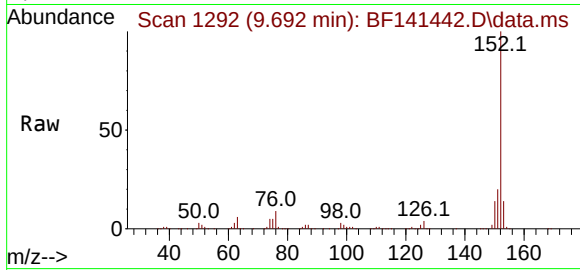
APPROVED

Reviewed By :Yogesh
Patel

02/06/2025

Supervised By :mohammad
ahmed

02/06/2025



#50

Dimethylphthalate

Concen: 48.735 ng

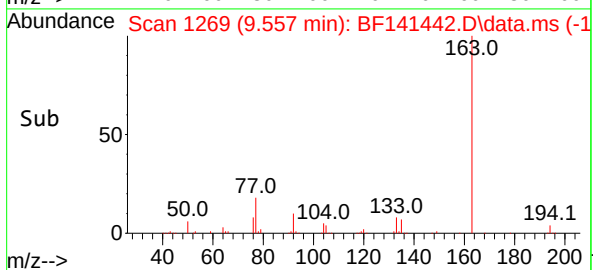
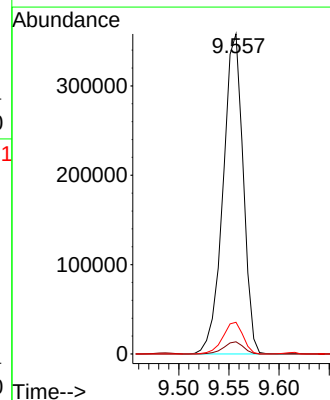
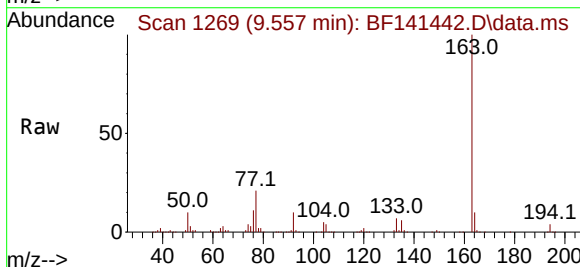
RT: 9.557 min Scan# 1269

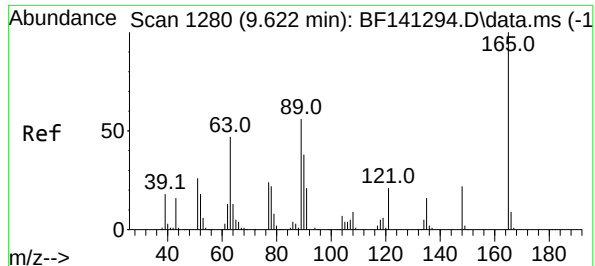
Delta R.T. -0.012 min

Lab File: BF141442.D

Acq: 05 Feb 2025 13:05

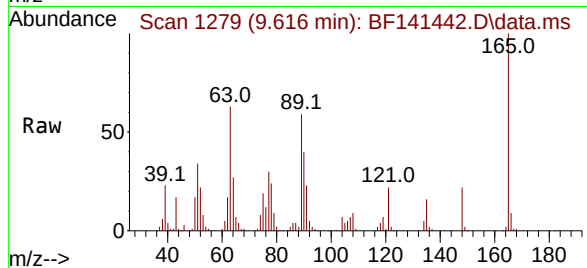
Tgt Ion:	163	Resp:	496367
Ion Ratio	Lower	Upper	
163	100		
194	3.8	3.0	4.6
164	9.9	8.0	12.0





#51
2,6-Dinitrotoluene
Concen: 47.316 ng
RT: 9.616 min Scan# 1189
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Instrument :
BNA_F
ClientSampleId :
PB166339BS



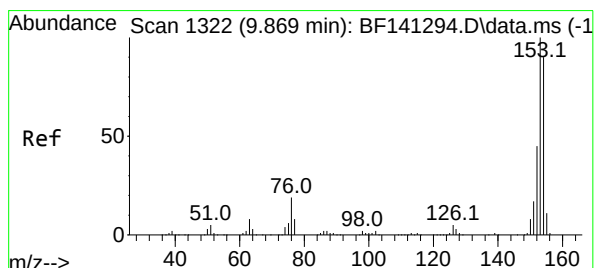
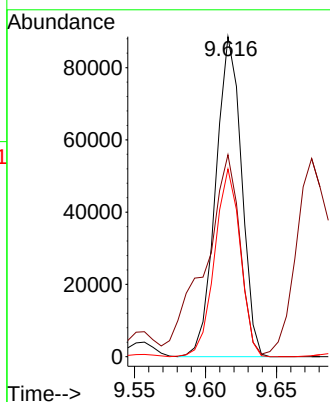
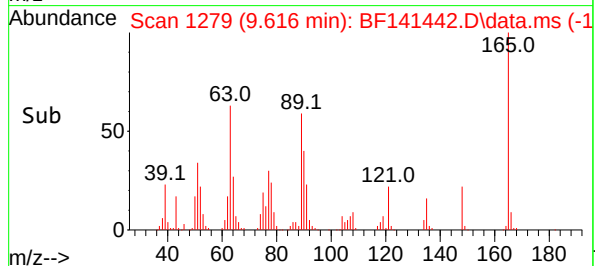
Tgt Ion:165 Resp: 111890
Ion Ratio Lower Upper
165 100
63 63.1 48.1 72.1
89 58.7 44.9 67.3

Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel

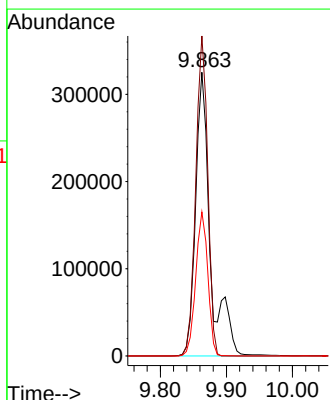
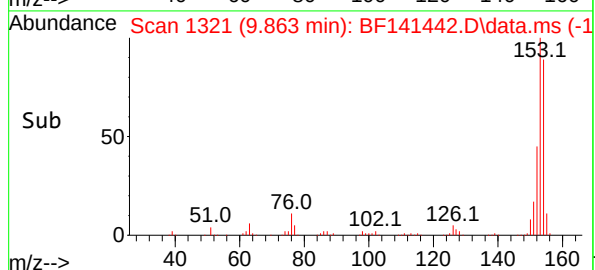
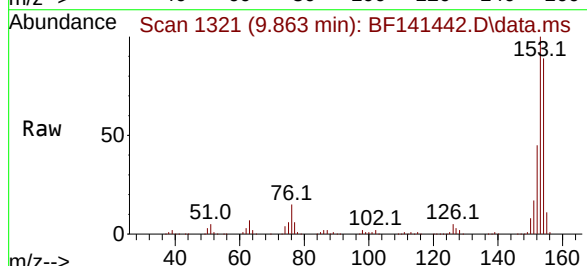
02/06/2025
Supervised By :mohammad
ahmed

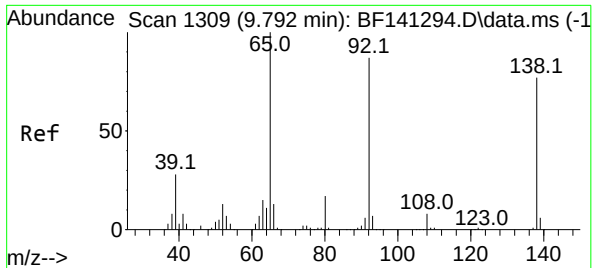
02/06/2025



#52
Acenaphthene
Concen: 55.091 ng m
RT: 9.863 min Scan# 1321
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

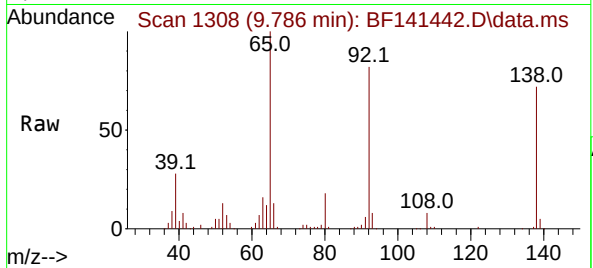
Tgt Ion:154 Resp: 505025
Ion Ratio Lower Upper
154 100
153 112.8 89.0 133.4
152 50.8 40.2 60.4





#53
3-Nitroaniline
Concen: 26.352 ng
RT: 9.786 min Scan# 1308
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Instrument :
BNA_F
ClientSampleId :
PB166339BS



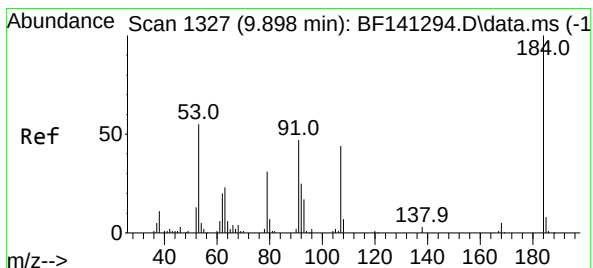
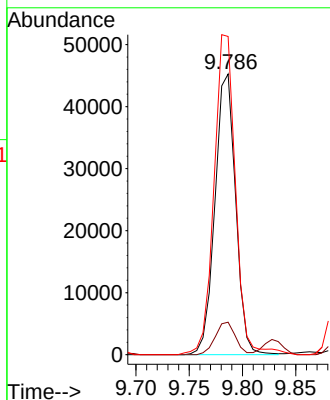
Tgt Ion:138 Resp: 61079
Ion Ratio Lower Upper
138 100
108 11.6 8.6 12.8
92 113.4 91.0 136.6

Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel

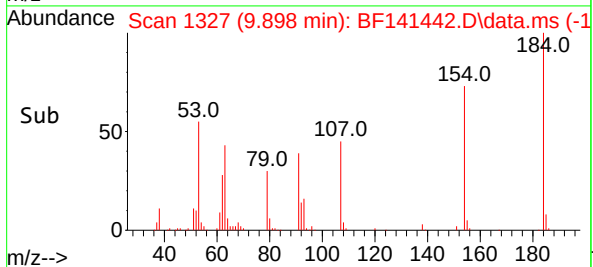
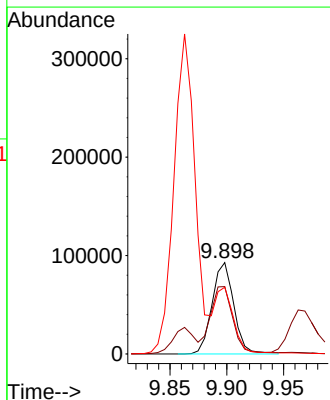
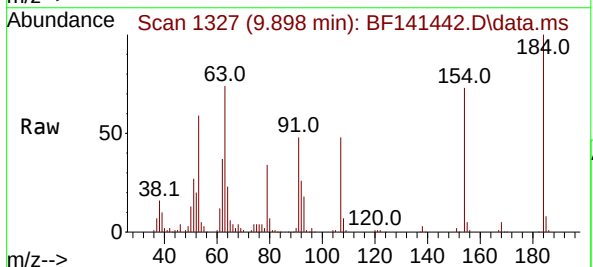
02/06/2025
Supervised By :mohammad
ahmed

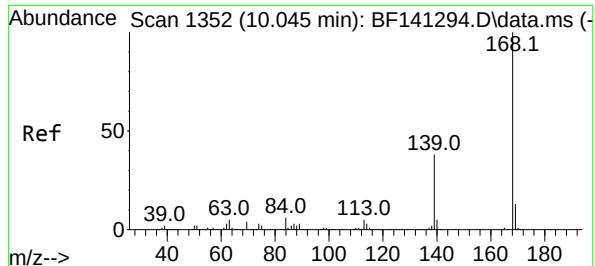
02/06/2025



#54
2,4-Dinitrophenol
Concen: 112.642 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

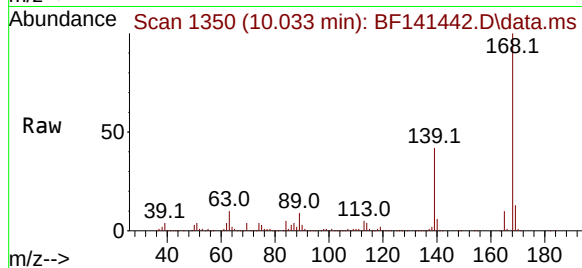
Tgt Ion:184 Resp: 123829
Ion Ratio Lower Upper
184 100
63 73.8 54.1 81.1
154 73.0 50.7 76.1





#55
Dibenzenofuran
Concen: 49.043 ng
RT: 10.033 min Scan# 1350
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Instrument :
BNA_F
ClientSampleId :
PB166339BS



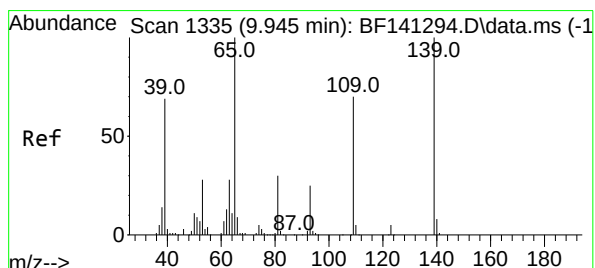
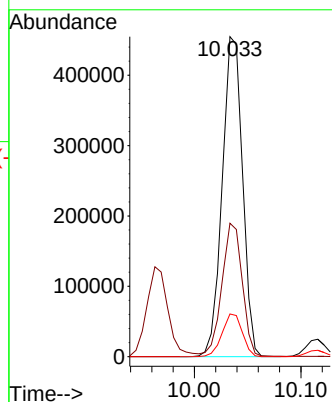
Tgt Ion:168 Resp: 601794
Ion Ratio Lower Upper
168 100
139 41.7 30.6 46.0
169 13.4 10.8 16.2

Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel

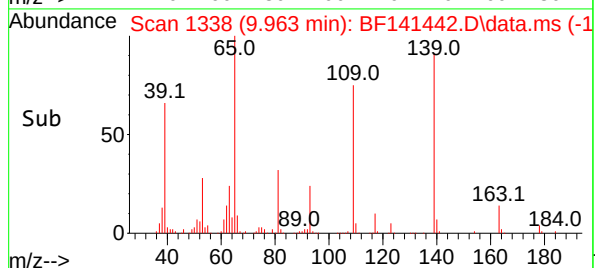
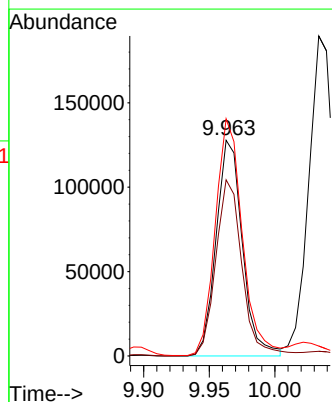
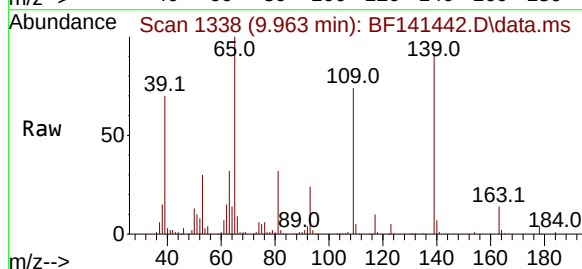
02/06/2025
Supervised By :mohammad
ahmed

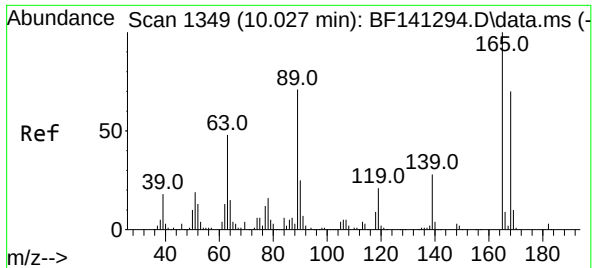
02/06/2025



#56
4-Nitrophenol
Concen: 105.019 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.006 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

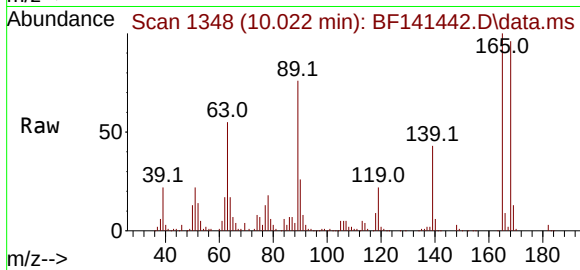
Tgt Ion:139 Resp: 178017
Ion Ratio Lower Upper
139 100
109 81.7 50.2 90.2
65 110.0 80.6 120.6





#57
2,4-Dinitrotoluene
Concen: 51.247 ng
RT: 10.022 min Scan# 1408
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Instrument :
BNA_F
ClientSampleId :
PB166339BS



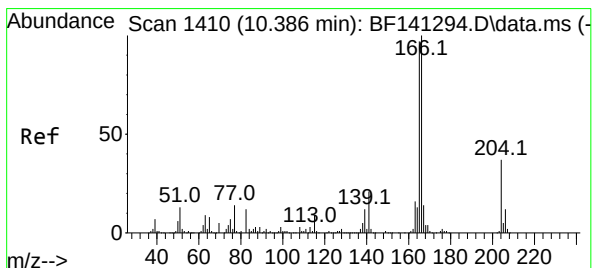
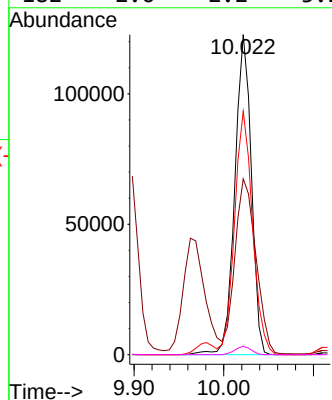
Tgt Ion:165 Resp: 156908
Ion Ratio Lower Upper
165 100
63 55.0 39.2 58.8
89 76.1 56.9 85.3
182 2.6 2.2 3.2

Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel

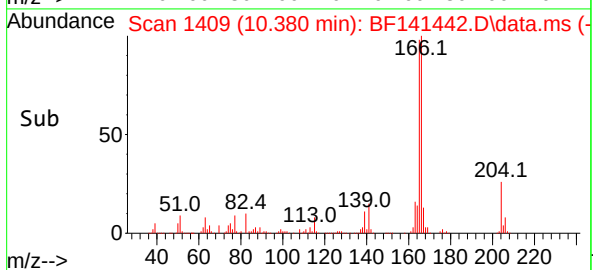
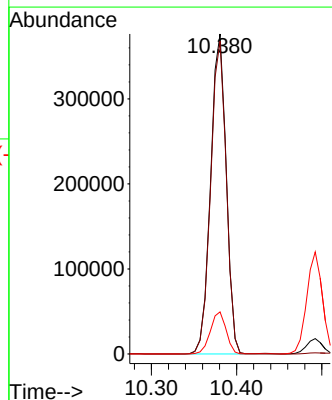
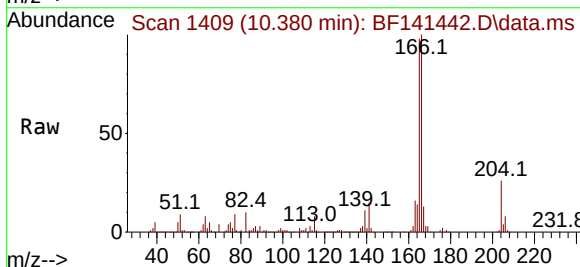
02/06/2025
Supervised By :mohammad
ahmed

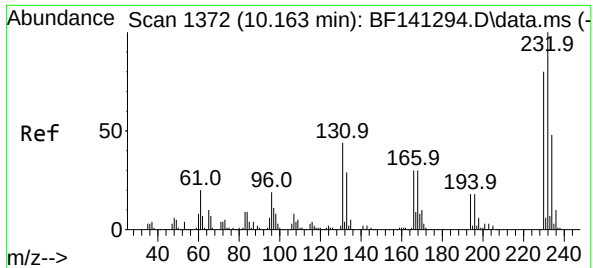
02/06/2025



#58
Fluorene
Concen: 50.423 ng
RT: 10.380 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

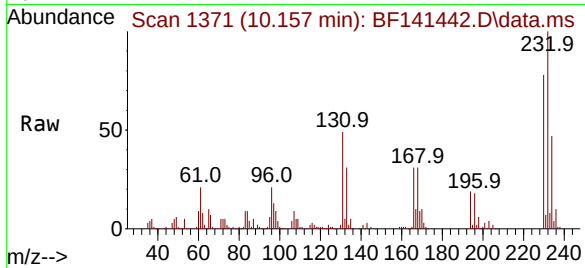
Tgt Ion:166 Resp: 479929
Ion Ratio Lower Upper
166 100
165 97.8 77.5 116.3
167 13.1 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 54.393 ng
RT: 10.157 min Scan# 1371
Delta R.T. -0.006 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Instrument :
BNA_F
ClientSampleId :
PB166339BS



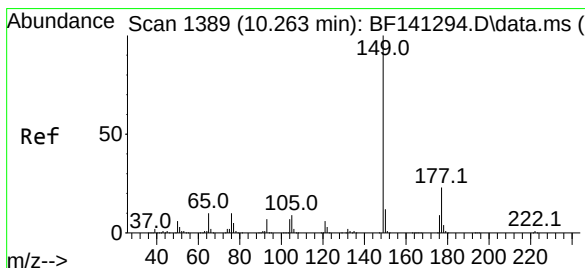
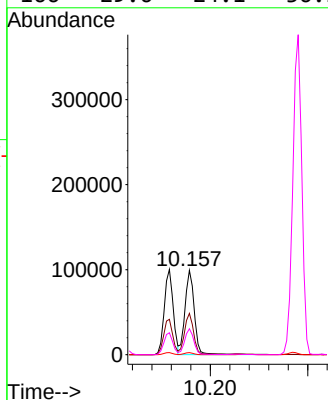
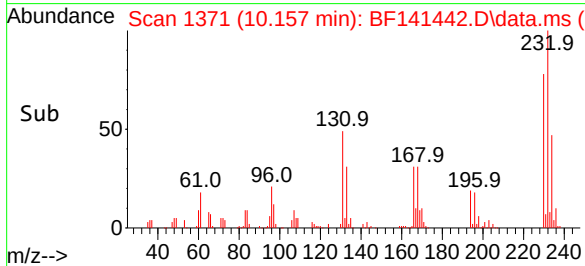
Tgt Ion:232 Resp: 13078
Ion Ratio Lower Upper
232 100
131 48.1 36.4 54.6
130 2.4 1.9 2.9
166 29.6 24.1 36.1

Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel

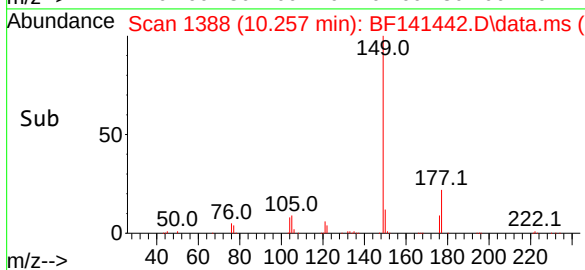
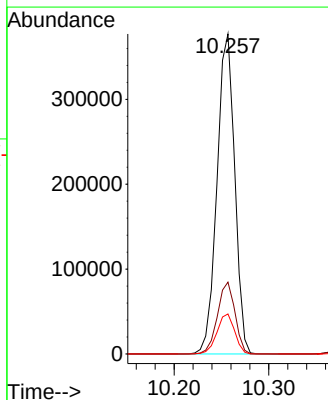
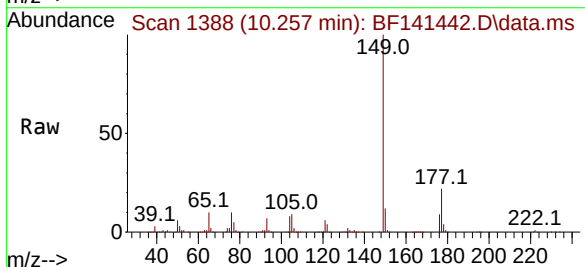
02/06/2025
Supervised By :mohammad
ahmed

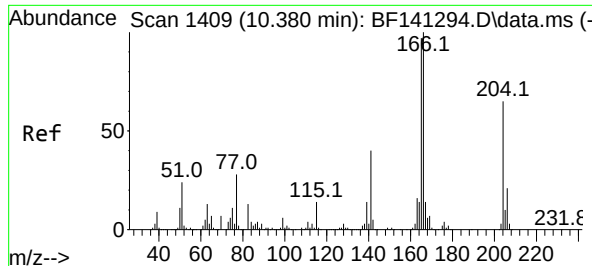
02/06/2025



#60
Diethylphthalate
Concen: 49.719 ng
RT: 10.257 min Scan# 1388
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

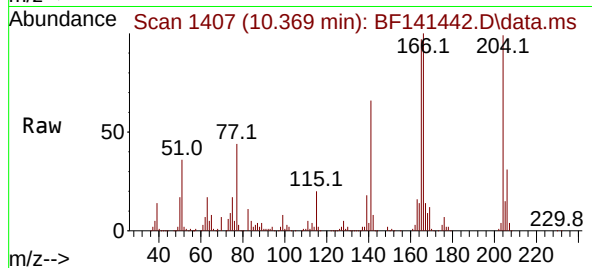
Tgt Ion:149 Resp: 490998
Ion Ratio Lower Upper
149 100
177 22.4 18.5 27.7
150 12.5 10.0 15.0





#61
4-Chlorophenyl-phenylether
Concen: 49.550 ng
RT: 10.369 min Scan# 1407
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Instrument :
BNA_F
ClientSampleId :
PB166339BS



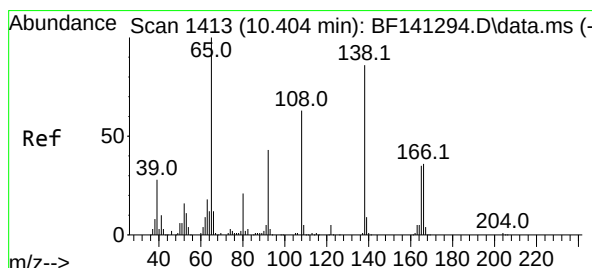
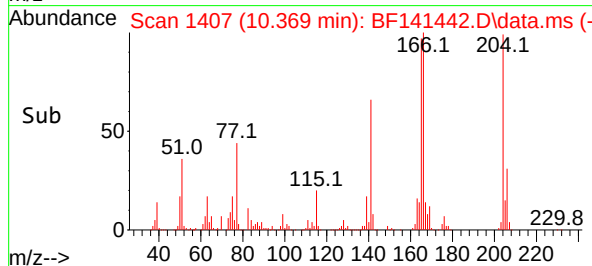
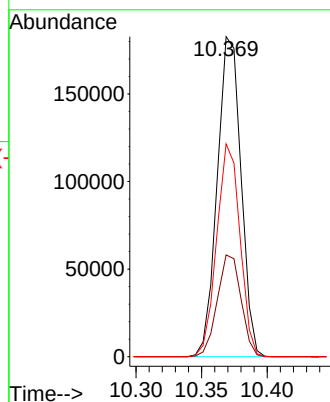
Tgt Ion:204 Resp: 230375
Ion Ratio Lower Upper
204 100
206 31.8 25.9 38.9
141 66.5 49.5 74.3

Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel

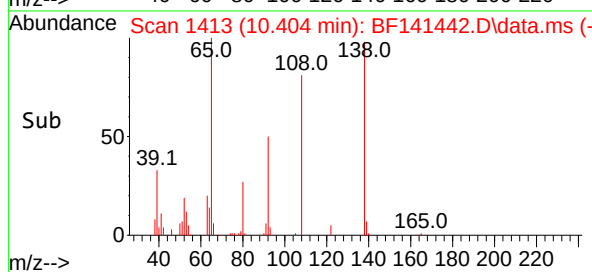
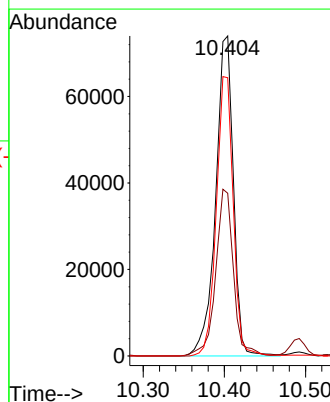
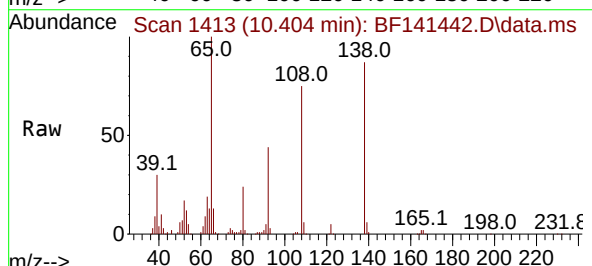
02/06/2025
Supervised By :mohammad
ahmed

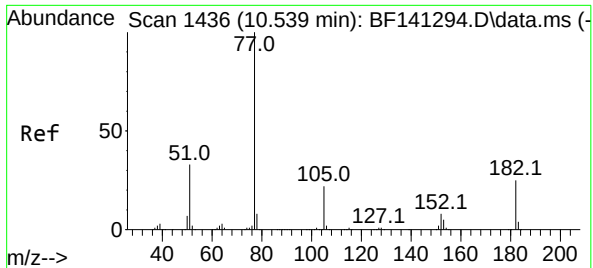
02/06/2025



#62
4-Nitroaniline
Concen: 49.323 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

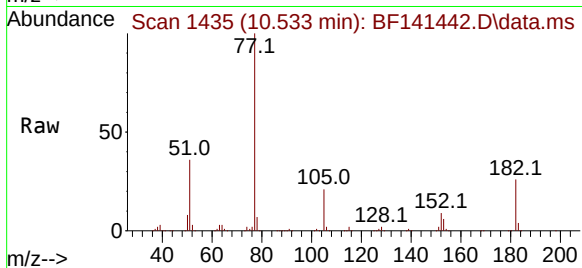
Tgt Ion:138 Resp: 112393
Ion Ratio Lower Upper
138 100
92 50.9 30.1 70.1
108 86.9 53.1 93.1





#63
Azobenzene
Concen: 48.358 ng
RT: 10.533 min Scan# 1435
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Instrument :
BNA_F
ClientSampleId :
PB166339BS



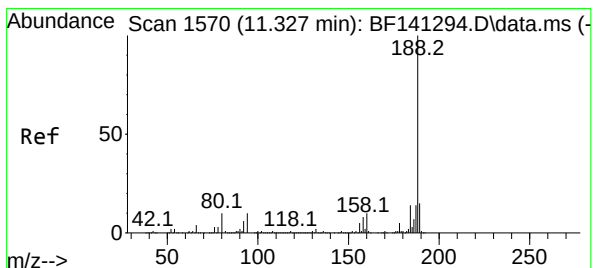
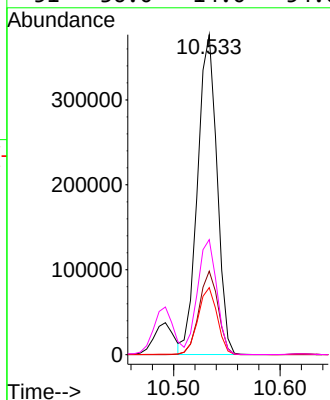
Tgt Ion: 77 Resp: 478034
Ion Ratio Lower Upper
77 100
182 26.1 5.1 45.1
105 20.9 1.8 41.8
51 36.0 14.0 54.0

Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel

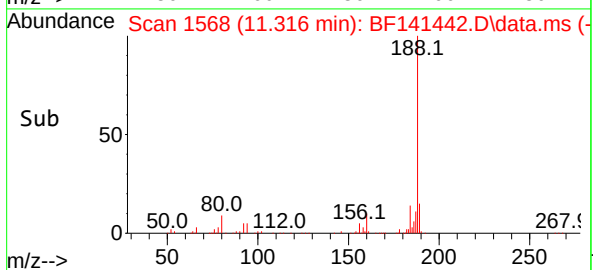
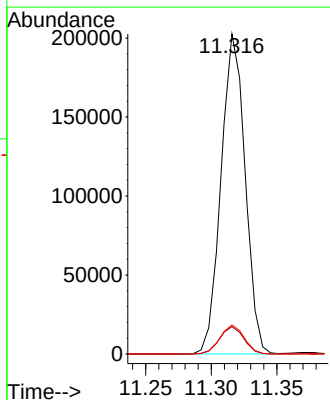
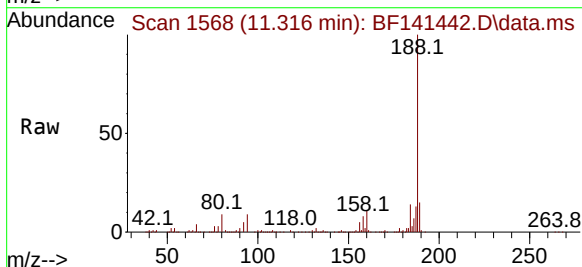
02/06/2025
Supervised By :mohammad
ahmed

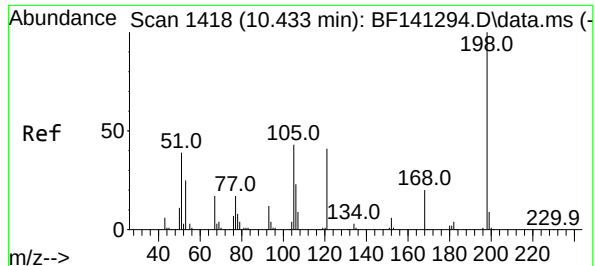
02/06/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:188 Resp: 258651
Ion Ratio Lower Upper
188 100
94 8.6 7.8 11.6
80 9.0 8.2 12.4





#65
4,6-Dinitro-2-methylphenol
Concen: 59.527 ng
RT: 10.433 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Instrument :
BNA_F
ClientSampleId :
PB166339BS

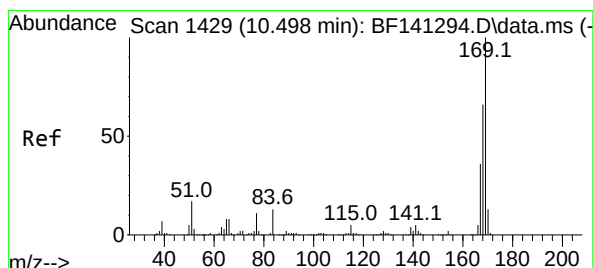
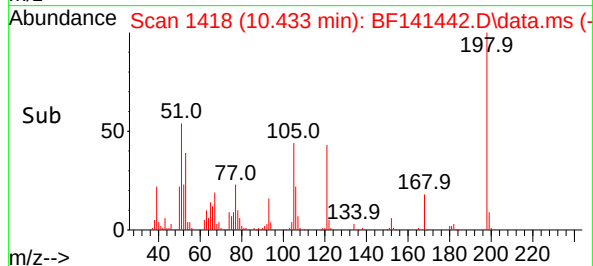
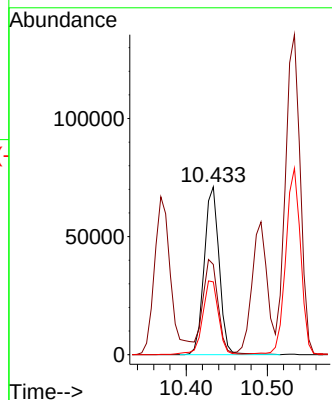
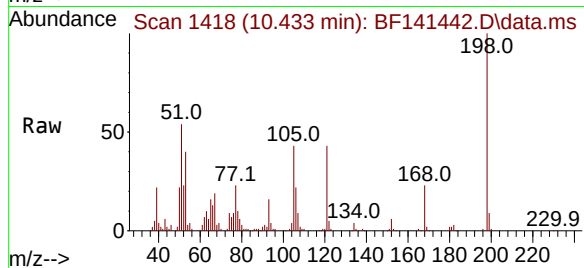
Tgt Ion:198 Resp: 91072
Ion Ratio Lower Upper
198 100
51 53.8 33.4 73.4
105 43.4 24.4 64.4

Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel

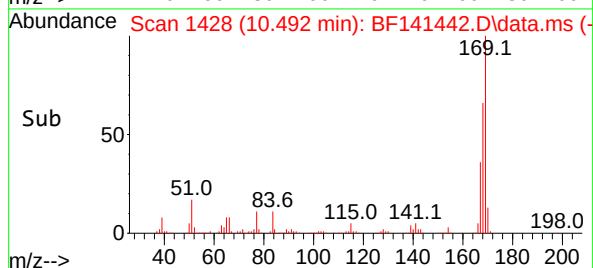
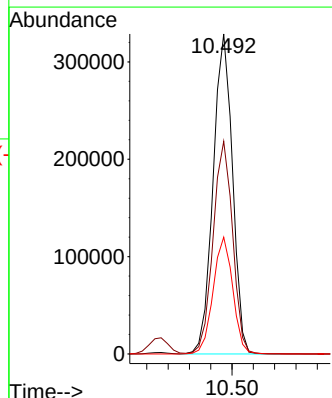
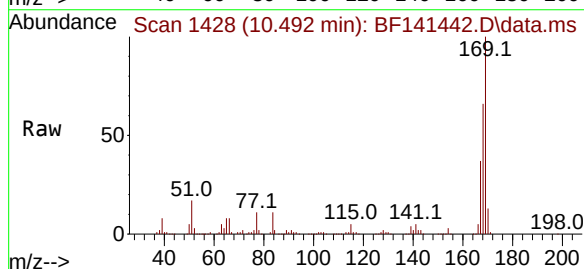
02/06/2025
Supervised By :mohammad
ahmed

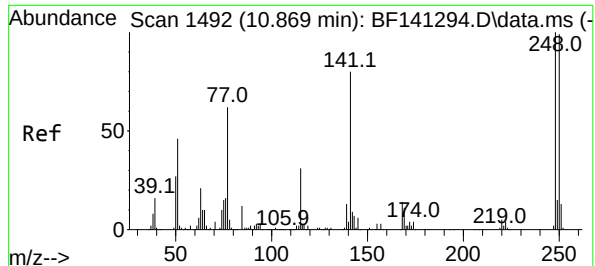
02/06/2025



#66
n-Nitrosodiphenylamine
Concen: 49.492 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

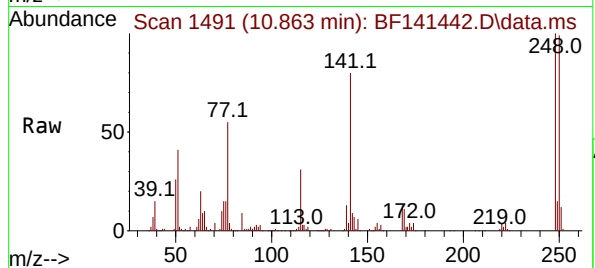
Tgt Ion:169 Resp: 414035
Ion Ratio Lower Upper
169 100
168 66.5 53.0 79.4
167 36.5 28.8 43.2





#67
4-Bromophenyl-phenylether
Concen: 48.874 ng
RT: 10.863 min Scan# 1491
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Instrument :
BNA_F
ClientSampleId :
PB166339BS



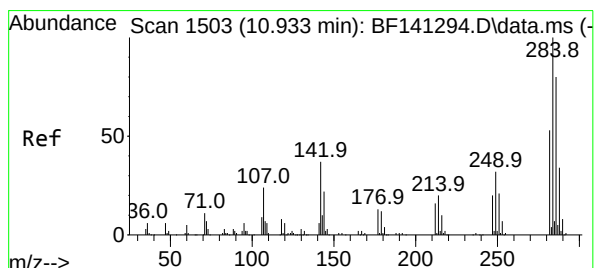
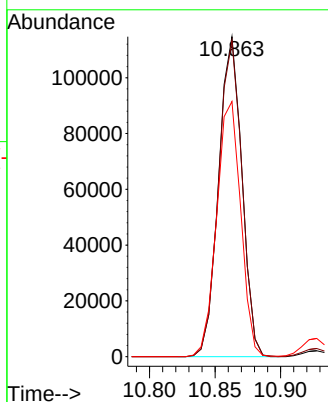
Tgt Ion:248 Resp: 141524
Ion Ratio Lower Upper
248 100
250 98.8 79.0 118.4
141 79.7 63.7 95.5

Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel

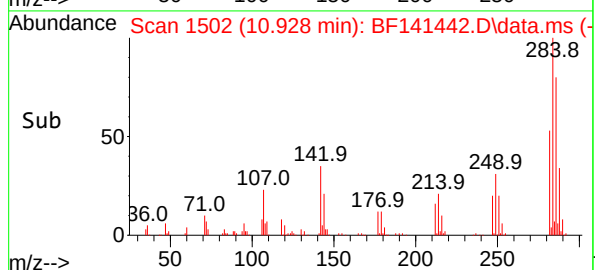
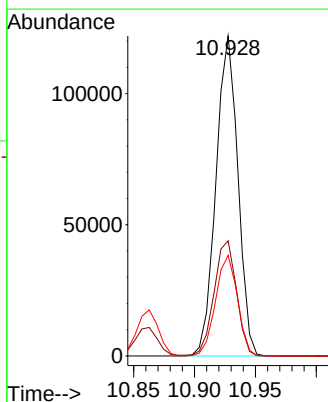
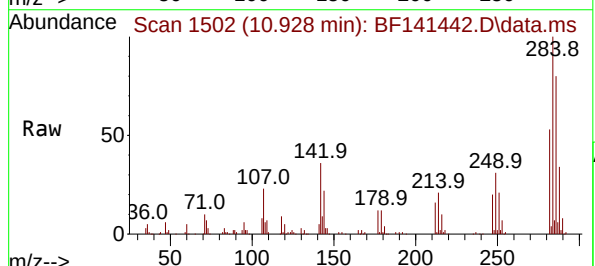
02/06/2025
Supervised By :mohammad
ahmed

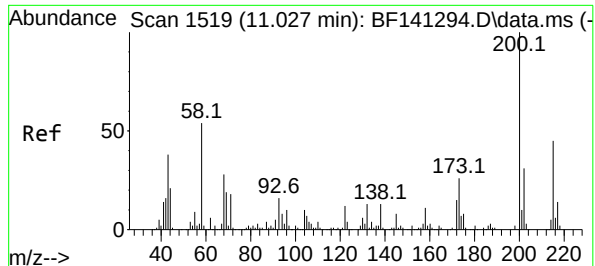
02/06/2025



#68
Hexachlorobenzene
Concen: 49.706 ng
RT: 10.928 min Scan# 1502
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:284 Resp: 152677
Ion Ratio Lower Upper
284 100
142 36.0 29.5 44.3
249 31.5 25.4 38.2





#69

Atrazine

Concen: 52.298 ng

RT: 11.022 min Scan# 1519

Delta R.T. -0.012 min

Lab File: BF141442.D

Acq: 05 Feb 2025 13:05

Instrument :

BNA_F

ClientSampleId :

PB166339BS

Tgt Ion:200 Resp: 14628

Ion Ratio Lower Upper

200 100

173 24.8 5.9 45.9

215 46.3 25.2 65.2

Manual Integrations

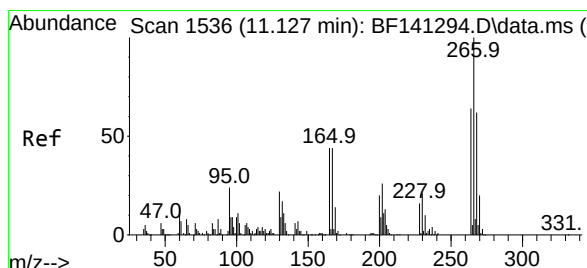
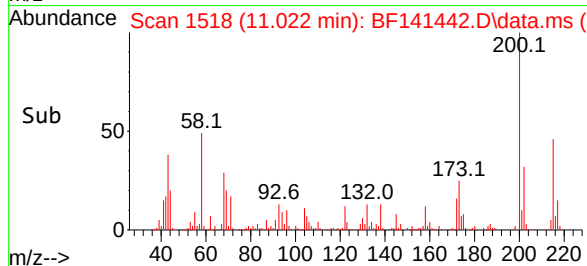
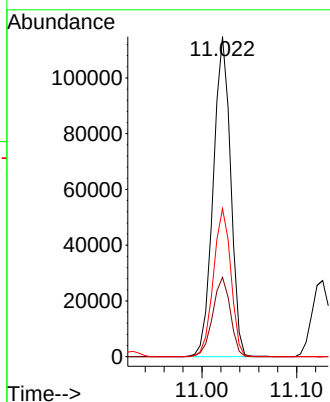
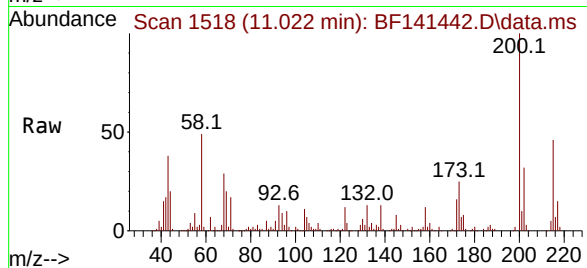
APPROVED

Reviewed By :Yogesh
Patel

02/06/2025

Supervised By :mohammad
ahmed

02/06/2025



#70

Pentachlorophenol

Concen: 101.707 ng

RT: 11.127 min Scan# 1536

Delta R.T. -0.006 min

Lab File: BF141442.D

Acq: 05 Feb 2025 13:05

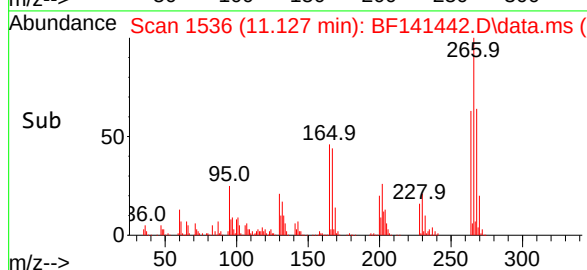
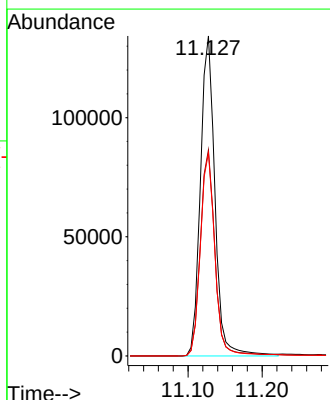
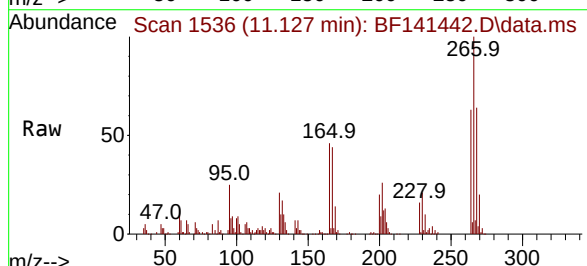
Tgt Ion:266 Resp: 182937

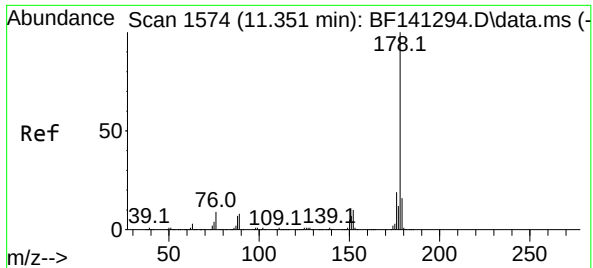
Ion Ratio Lower Upper

266 100

268 64.4 49.9 74.9

264 63.5 51.0 76.4





#71

Phenanthrene

Concen: 52.002 ng

RT: 11.345 min Scan# 1574

Delta R.T. -0.006 min

Lab File: BF141442.D

Acq: 05 Feb 2025 13:05

Instrument :

BNA_F

ClientSampleId :

PB166339BS

Tgt Ion:178 Resp: 723012

Ion Ratio Lower Upper

178 100

176 19.6 15.3 22.9

179 15.2 12.5 18.7

Manual Integrations

APPROVED

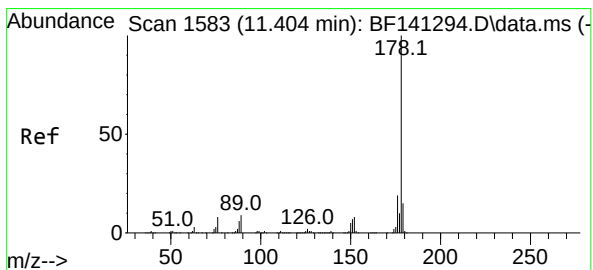
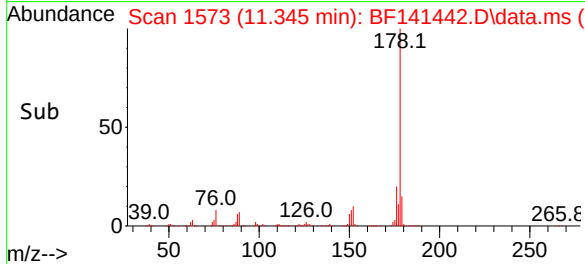
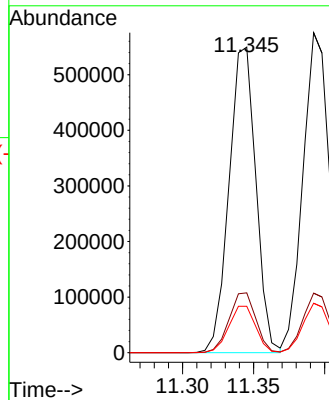
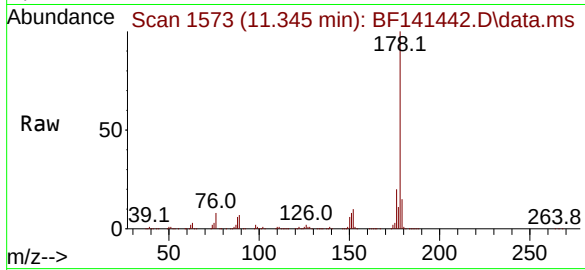
Reviewed By :Yogesh

Patel

02/06/2025

Supervised By :mohammad
ahmed

02/06/2025



#72

Anthracene

Concen: 54.517 ng

RT: 11.392 min Scan# 1581

Delta R.T. -0.012 min

Lab File: BF141442.D

Acq: 05 Feb 2025 13:05

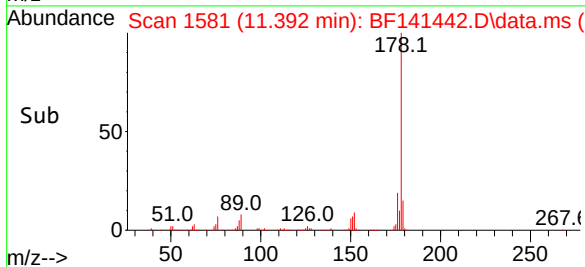
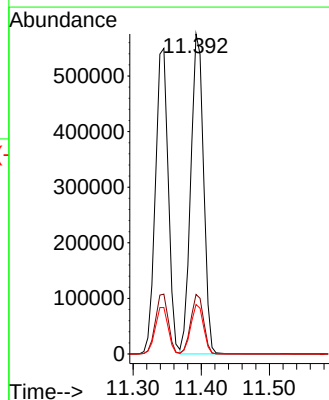
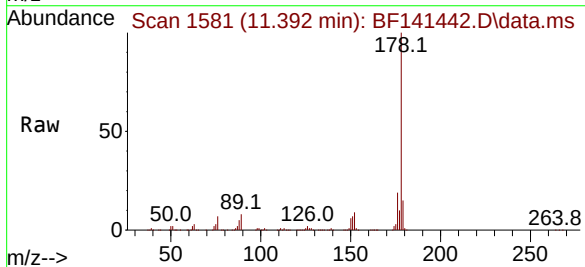
Tgt Ion:178 Resp: 742686

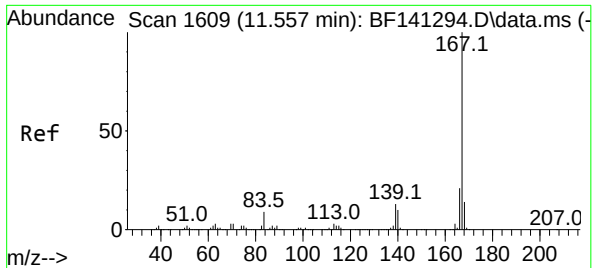
Ion Ratio Lower Upper

178 100

176 18.6 15.0 22.6

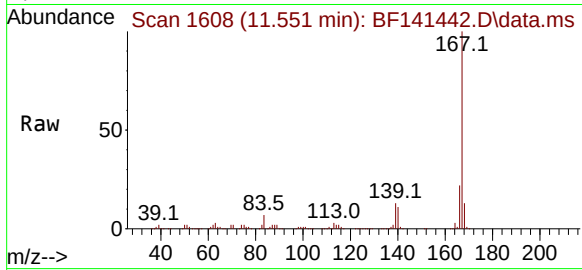
179 15.5 12.3 18.5





#73
 Carbazole
 Concen: 53.785 ng
 RT: 11.551 min Scan# 1608
 Delta R.T. -0.006 min
 Lab File: BF141442.D
 Acq: 05 Feb 2025 13:05

Instrument :
 BNA_F
 ClientSampleId :
 PB166339BS



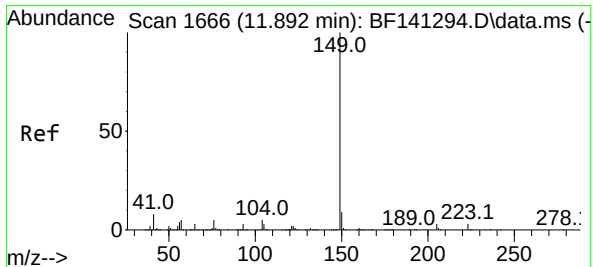
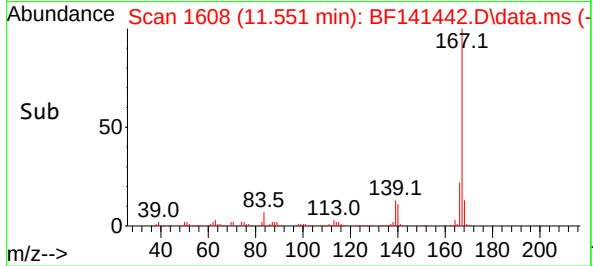
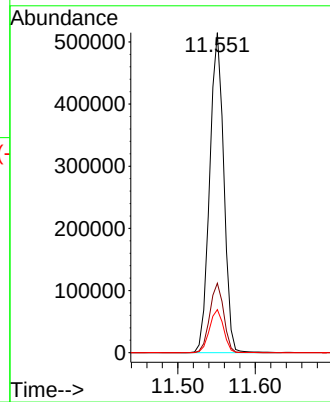
Tgt Ion:167 Resp: 649712
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.0 25.6
 139 13.5 10.6 16.0

Manual Integrations
 APPROVED

Reviewed By :Yogesh
 Patel

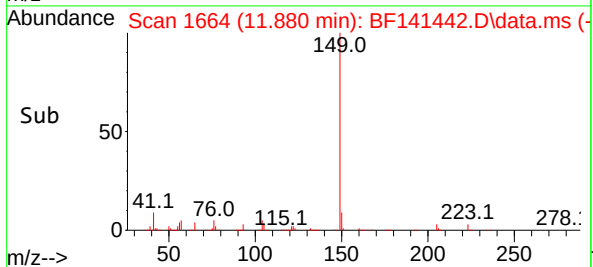
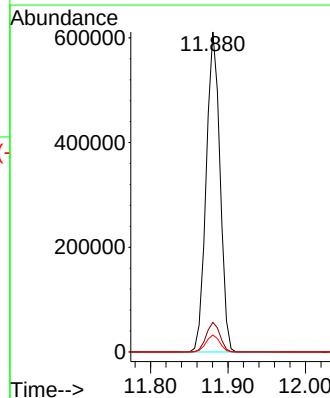
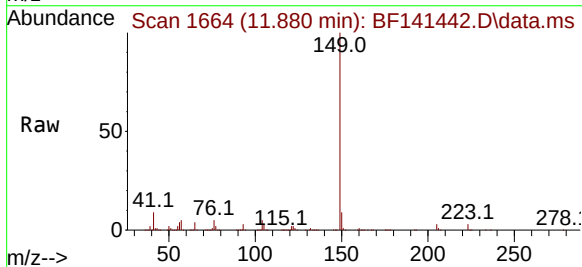
02/06/2025
 Supervised By :mohammad
 ahmed

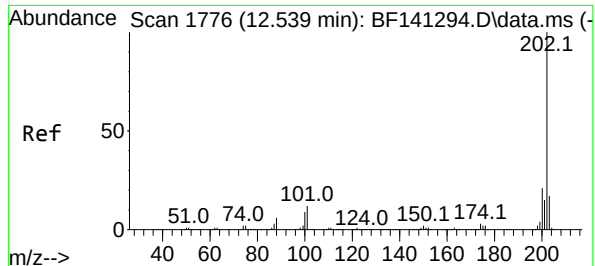
02/06/2025



#74
 Di-n-butylphthalate
 Concen: 51.466 ng
 RT: 11.880 min Scan# 1664
 Delta R.T. -0.012 min
 Lab File: BF141442.D
 Acq: 05 Feb 2025 13:05

Tgt Ion:149 Resp: 753424
 Ion Ratio Lower Upper
 149 100
 150 9.3 7.4 11.2
 104 5.3 3.9 5.9





#75

Fluoranthene

Concen: 55.390 ng

RT: 12.533 min Scan# 1775

Delta R.T. -0.006 min

Lab File: BF141442.D

Acq: 05 Feb 2025 13:05

Instrument :

BNA_F

ClientSampleId :

PB166339BS

Tgt Ion:202 Resp: 76040

Ion Ratio Lower Upper

202 100

101 9.6 0.0 31.7

203 17.8 0.0 37.5

Manual Integrations

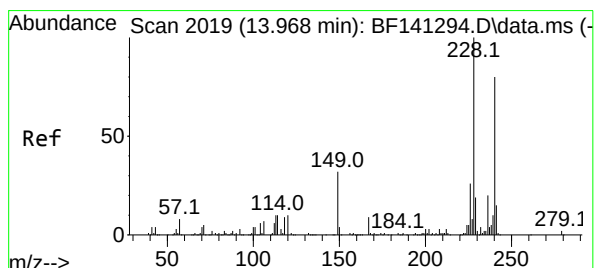
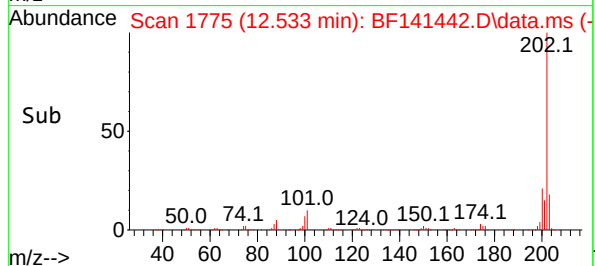
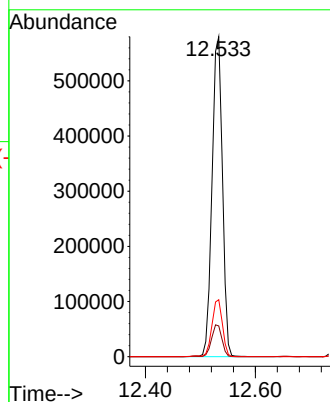
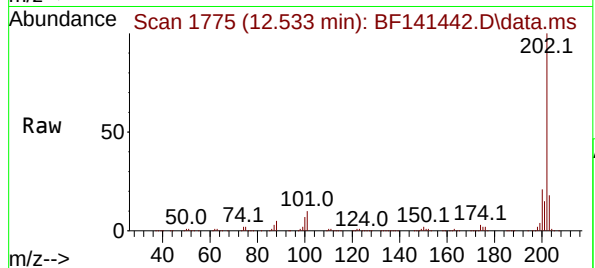
APPROVED

Reviewed By :Yogesh
Patel

02/06/2025

Supervised By :mohammad
ahmed

02/06/2025



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.963 min Scan# 2018

Delta R.T. -0.012 min

Lab File: BF141442.D

Acq: 05 Feb 2025 13:05

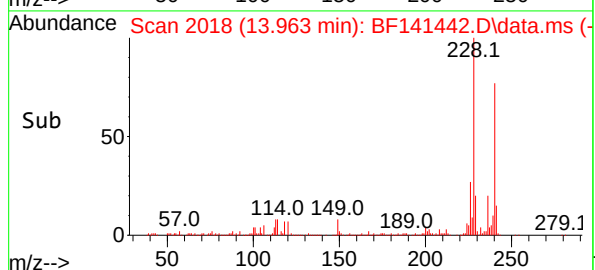
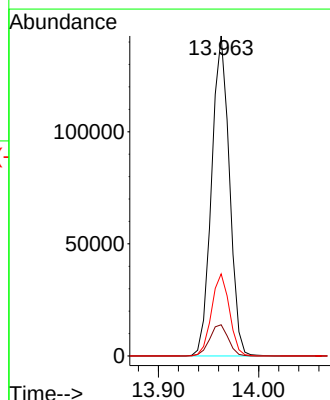
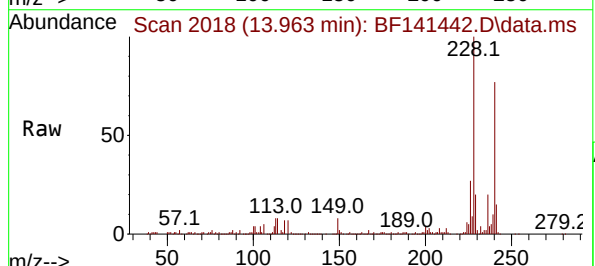
Tgt Ion:240 Resp: 176386

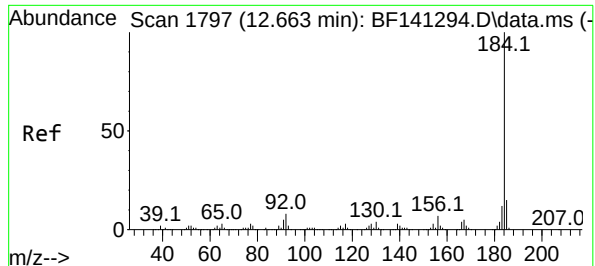
Ion Ratio Lower Upper

240 100

120 9.8 10.0 15.0#

236 25.7 19.7 29.5





#77

Benzidine

Concen: 28.721 ng

RT: 12.651 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141442.D

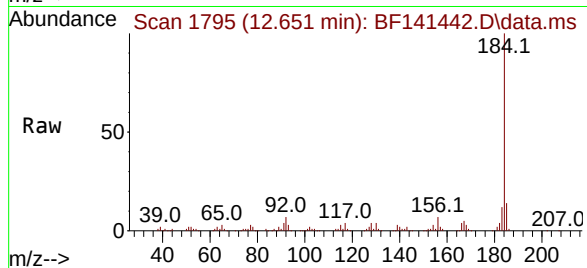
Acq: 05 Feb 2025 13:05

Instrument :

BNA_F

ClientSampleId :

PB166339BS



Tgt Ion:184 Resp: 16240

Ion Ratio Lower Upper

184 100

185 14.4 11.9 17.9

183 11.7 9.5 14.3

Manual Integrations

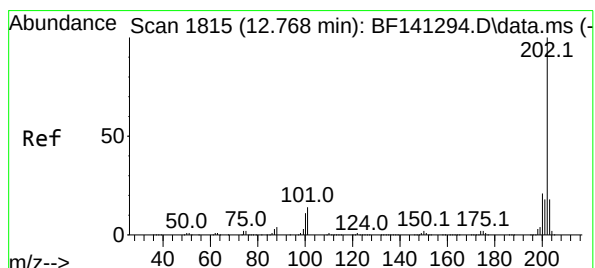
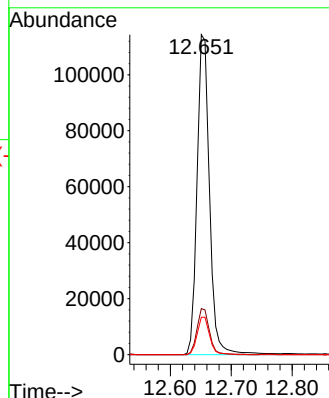
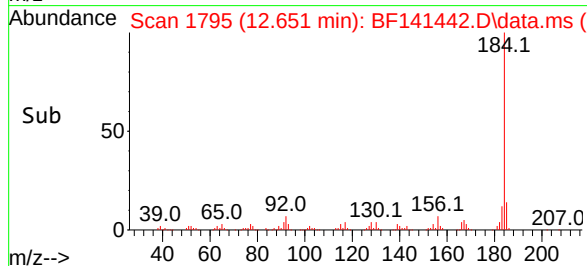
APPROVED

Reviewed By :Yogesh
Patel

02/06/2025

Supervised By :mohammad
ahmed

02/06/2025



#78

Pyrene

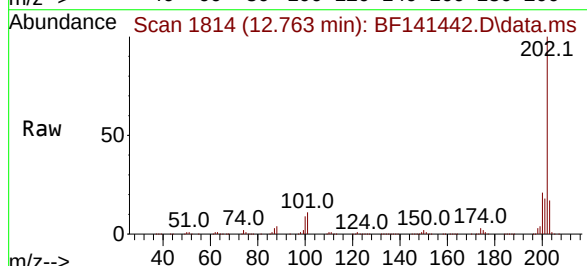
Concen: 46.426 ng

RT: 12.763 min Scan# 1814

Delta R.T. -0.006 min

Lab File: BF141442.D

Acq: 05 Feb 2025 13:05



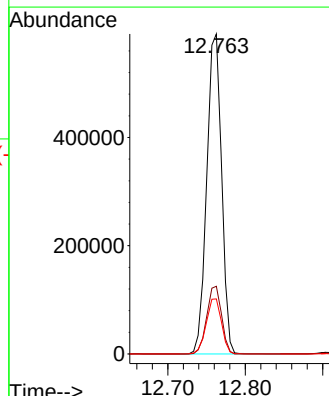
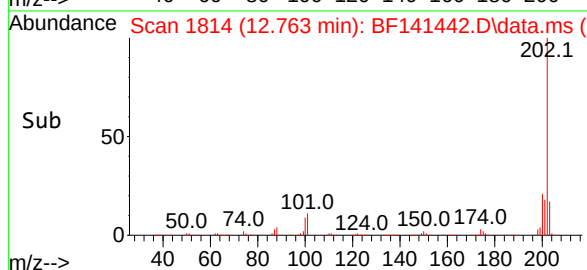
Tgt Ion:202 Resp: 786061

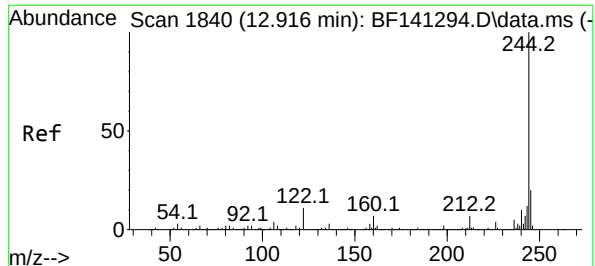
Ion Ratio Lower Upper

202 100

200 21.1 17.0 25.4

203 17.2 14.3 21.5





#79

Terphenyl-d14

Concen: 95.409 ng

RT: 12.904 min Scan# 1840

Delta R.T. -0.012 min

Lab File: BF141442.D

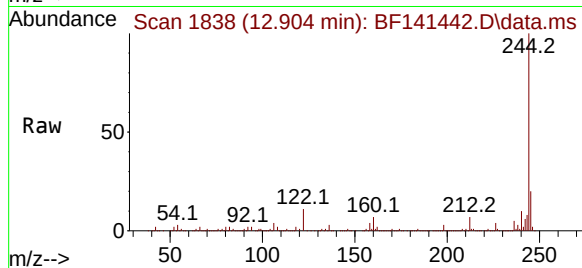
Acq: 05 Feb 2025 13:05

Instrument :

BNA_F

ClientSampleId :

PB166339BS



Tgt Ion:244 Resp: 1091228

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

122 10.9 8.8 13.2

Manual Integrations

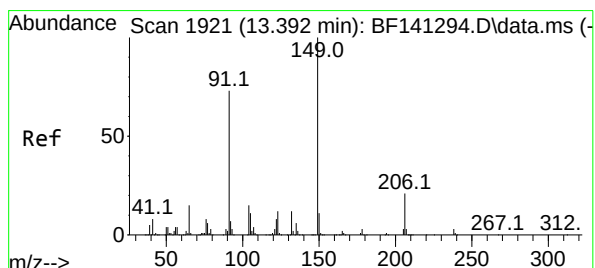
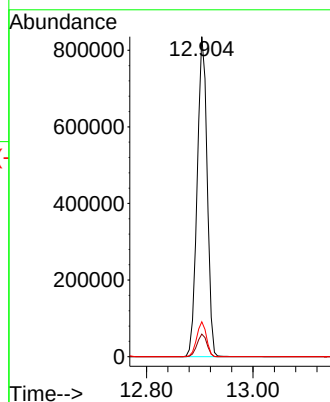
APPROVED

Reviewed By :Yogesh
Patel

02/06/2025

Supervised By :mohammad
ahmed

02/06/2025



#80

Butylbenzylphthalate

Concen: 50.276 ng

RT: 13.380 min Scan# 1919

Delta R.T. -0.012 min

Lab File: BF141442.D

Acq: 05 Feb 2025 13:05

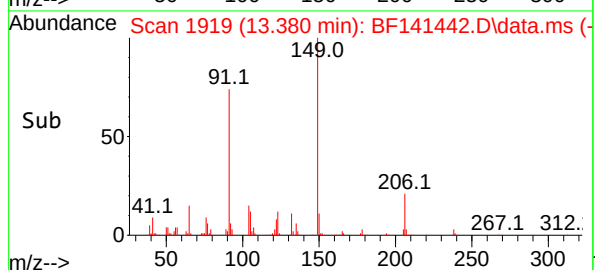
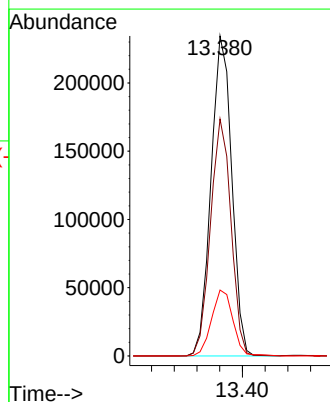
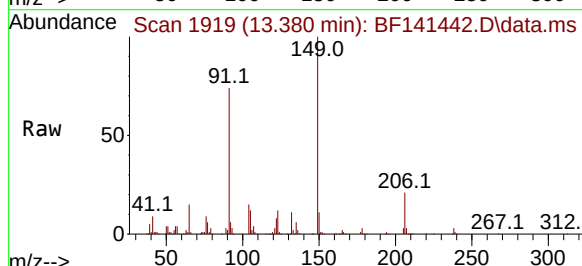
Tgt Ion:149 Resp: 297386

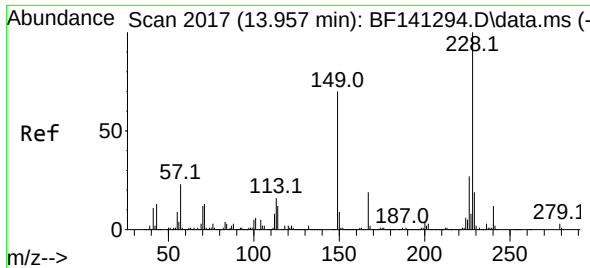
Ion Ratio Lower Upper

149 100

91 74.0 58.6 87.8

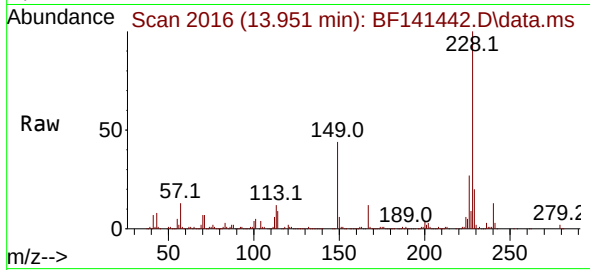
206 20.6 16.7 25.1





#81
Benzo(a)anthracene
Concen: 48.577 ng
RT: 13.951 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Instrument :
BNA_F
ClientSampleId :
PB166339BS



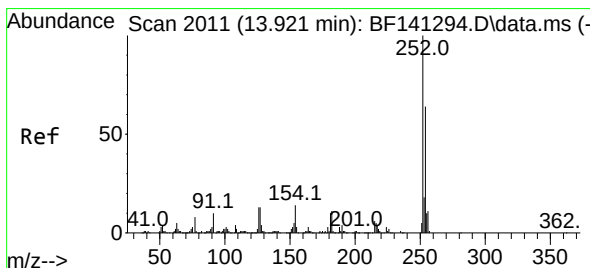
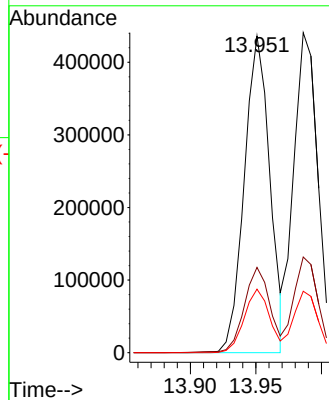
Tgt Ion:228 Resp: 59125
Ion Ratio Lower Upper
228 100
226 26.9 21.4 32.2
229 20.1 15.5 23.3

Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel

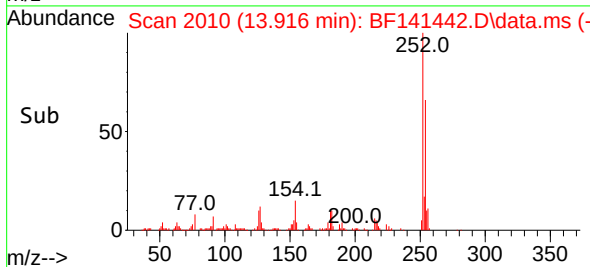
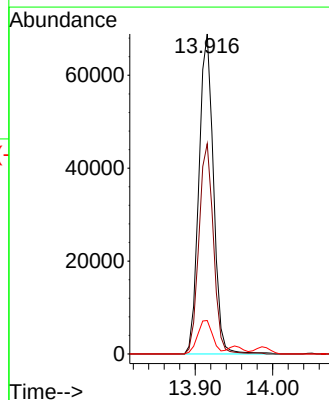
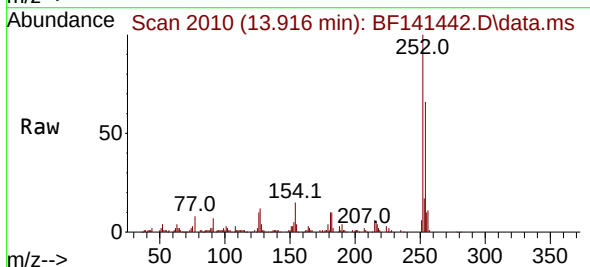
02/06/2025
Supervised By :mohammad
ahmed

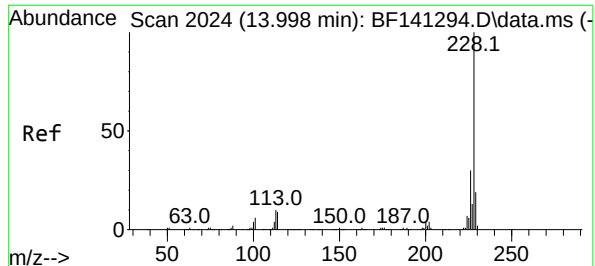
02/06/2025



#82
3,3'-Dichlorobenzidine
Concen: 23.167 ng
RT: 13.916 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:252 Resp: 89685
Ion Ratio Lower Upper
252 100
254 65.7 51.3 76.9
126 10.4 10.0 15.0





#83

Chrysene

Concen: 50.299 ng

RT: 13.986 min Scan# 2015

Delta R.T. -0.012 min

Lab File: BF141442.D

Acq: 05 Feb 2025 13:05

Instrument :

BNA_F

ClientSampleId :

PB166339BS

Tgt Ion:228 Resp: 56108

Ion Ratio Lower Upper

228 100

226 29.9 24.1 36.1

229 19.2 15.6 23.4

Manual Integrations

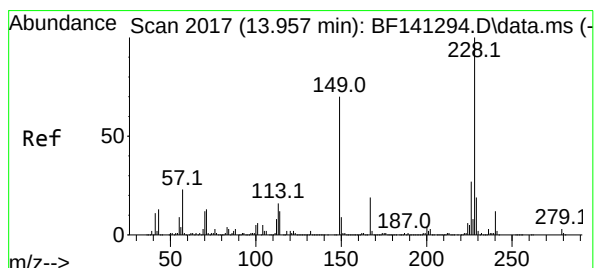
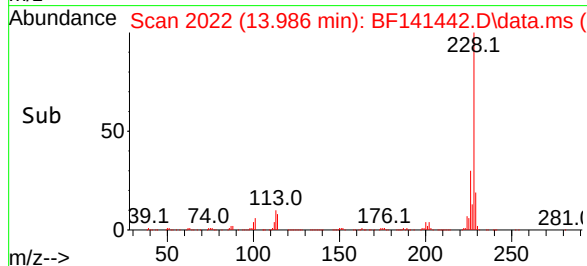
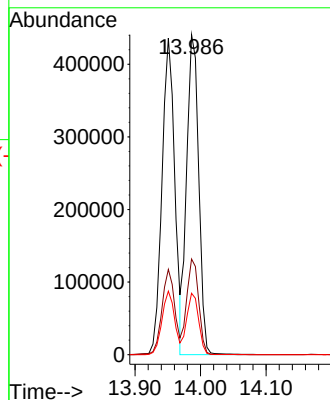
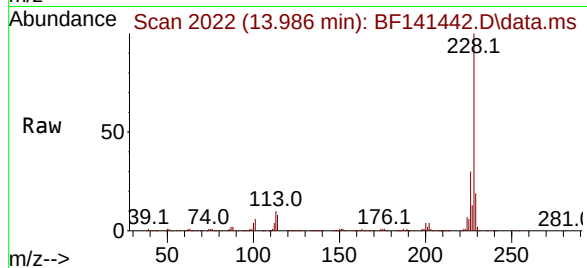
APPROVED

Reviewed By :Yogesh
Patel

02/06/2025

Supervised By :mohammad
ahmed

02/06/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 50.375 ng

RT: 13.945 min Scan# 2015

Delta R.T. -0.012 min

Lab File: BF141442.D

Acq: 05 Feb 2025 13:05

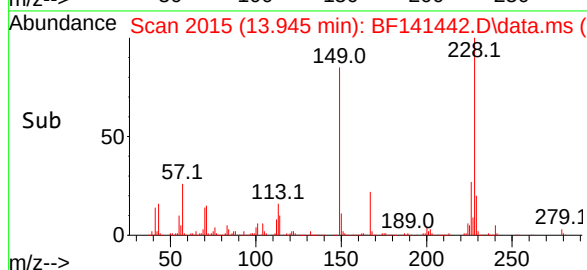
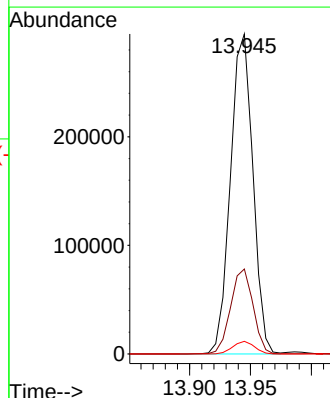
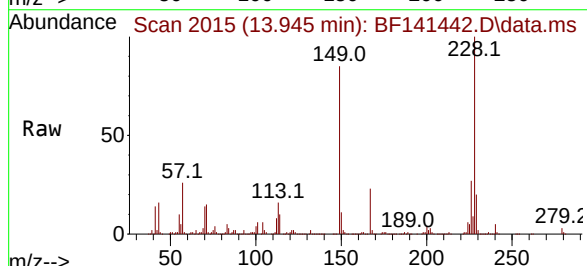
Tgt Ion:149 Resp: 377988

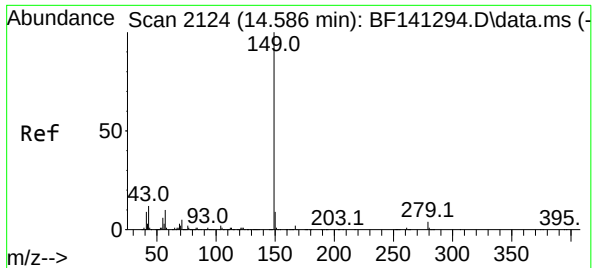
Ion Ratio Lower Upper

149 100

167 26.5 21.8 32.8

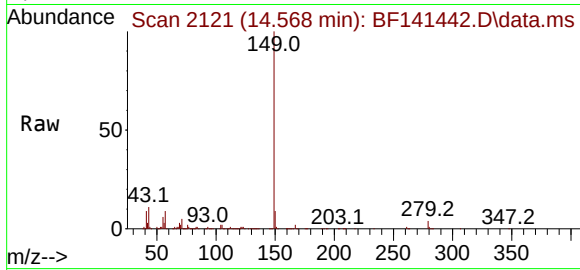
279 3.9 3.3 4.9





#85
Di-n-octyl phthalate
Concen: 49.459 ng
RT: 14.568 min Scan# 2124
Delta R.T. -0.018 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Instrument :
BNA_F
ClientSampleId :
PB166339BS



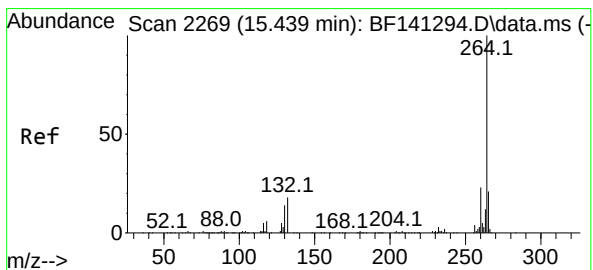
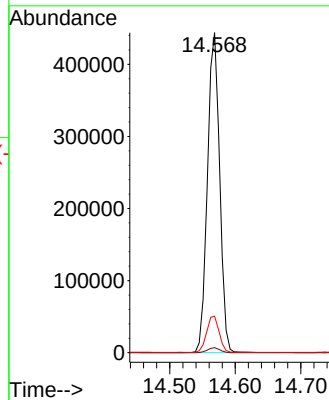
Tgt Ion:149 Resp: 576410
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 11.5 9.8 14.8

Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel

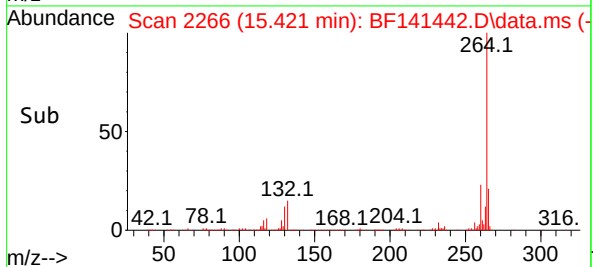
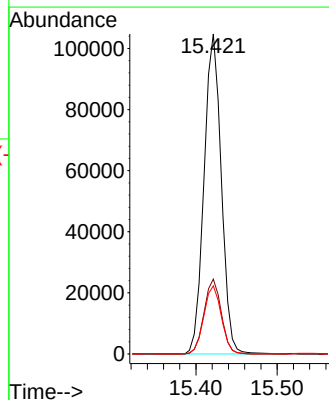
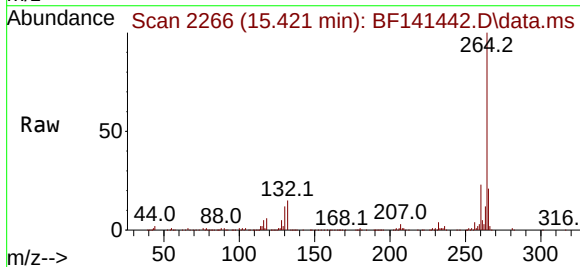
02/06/2025
Supervised By :mohammad
ahmed

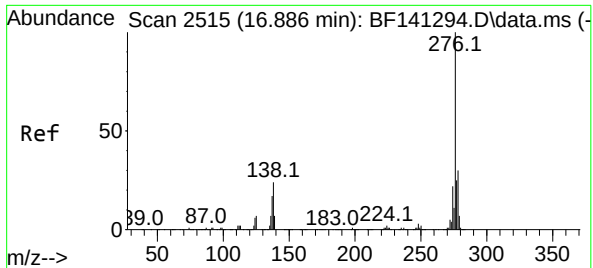
02/06/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2266
Delta R.T. -0.018 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:264 Resp: 154350
Ion Ratio Lower Upper
264 100
260 23.4 18.6 27.8
265 21.3 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 52.473 ng

RT: 16.874 min Scan# 2195

Delta R.T. -0.024 min

Lab File: BF141442.D

Acq: 05 Feb 2025 13:05

Instrument :

BNA_F

ClientSampleId :

PB166339BS

Tgt Ion:276 Resp: 52274

Ion Ratio Lower Upper

276 100

138 22.6 21.7 32.5

277 25.4 20.3 30.5

Manual Integrations

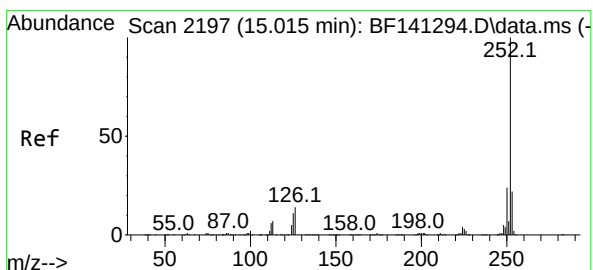
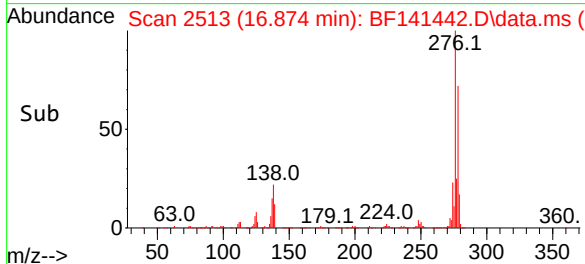
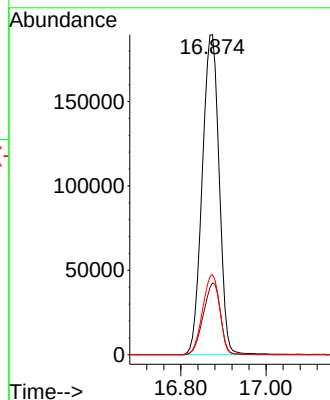
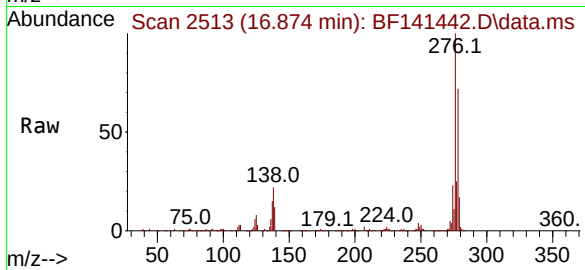
APPROVED

Reviewed By :Yogesh
Patel

02/06/2025

Supervised By :mohammad
ahmed

02/06/2025



#88

Benzo(b)fluoranthene

Concen: 50.796 ng

RT: 15.004 min Scan# 2195

Delta R.T. -0.018 min

Lab File: BF141442.D

Acq: 05 Feb 2025 13:05

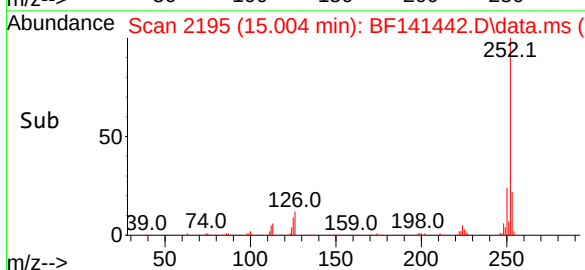
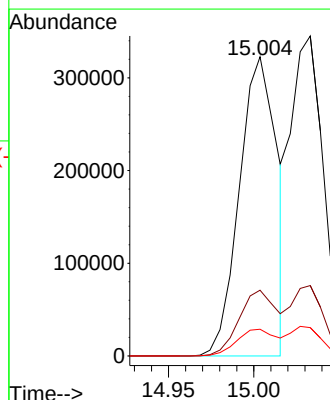
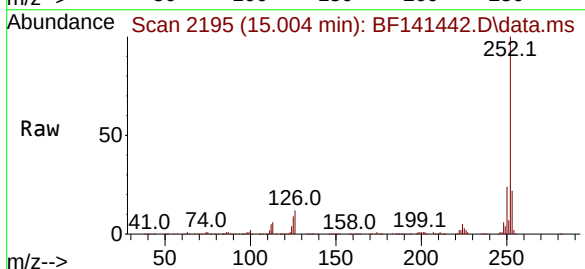
Tgt Ion:252 Resp: 493180

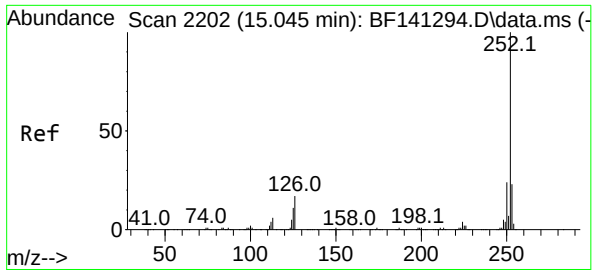
Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.2

125 8.9 8.6 12.8





#89

Benzo(k)fluoranthene

Concen: 53.561 ng

RT: 15.033 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF141442.D

Acq: 05 Feb 2025 13:05

Instrument :

BNA_F

ClientSampleId :

PB166339BS

Tgt Ion:252 Resp: 460679

Ion Ratio Lower Upper

252 100

253 22.0 17.6 26.4

125 8.8 8.4 12.6

Manual Integrations

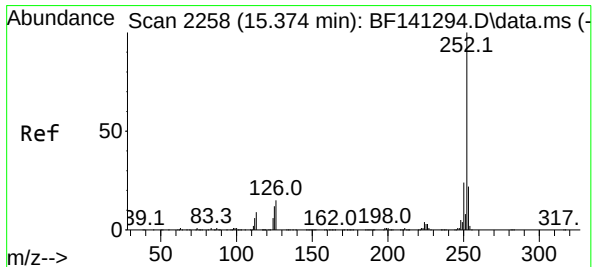
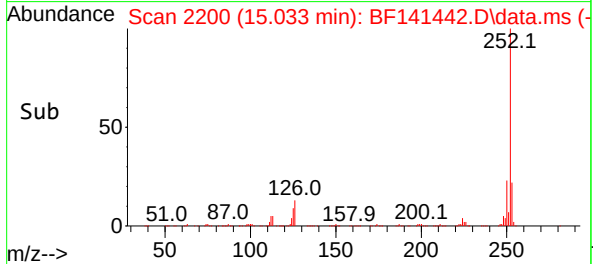
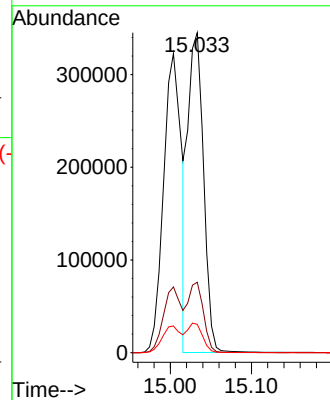
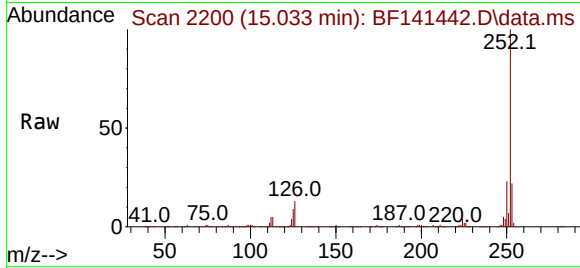
APPROVED

Reviewed By :Yogesh
Patel

02/06/2025

Supervised By :mohammad
ahmed

02/06/2025



#90

Benzo(a)pyrene

Concen: 55.220 ng

RT: 15.363 min Scan# 2256

Delta R.T. -0.018 min

Lab File: BF141442.D

Acq: 05 Feb 2025 13:05

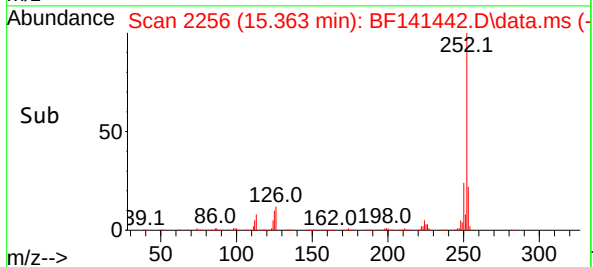
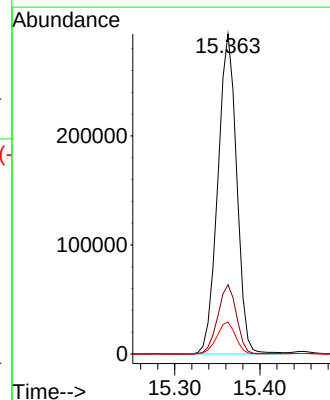
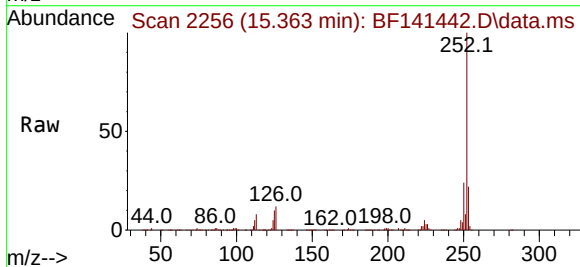
Tgt Ion:252 Resp: 453060

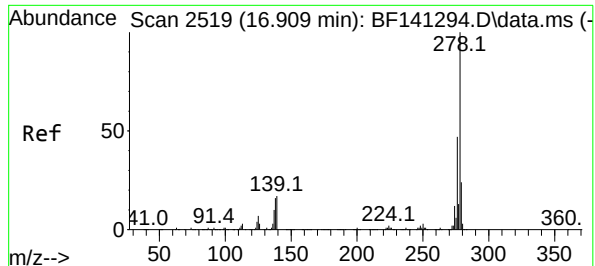
Ion Ratio Lower Upper

252 100

253 21.6 17.2 25.8

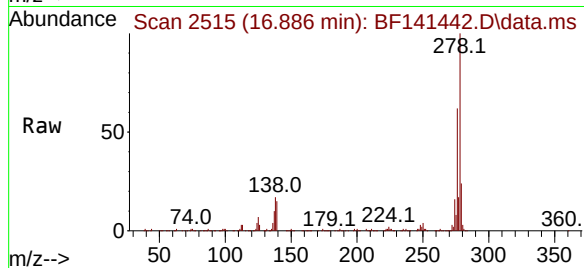
125 10.0 9.4 14.2





#91
Dibenzo(a,h)anthracene
Concen: 52.335 ng
RT: 16.886 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Instrument :
BNA_F
ClientSampleId :
PB166339BS



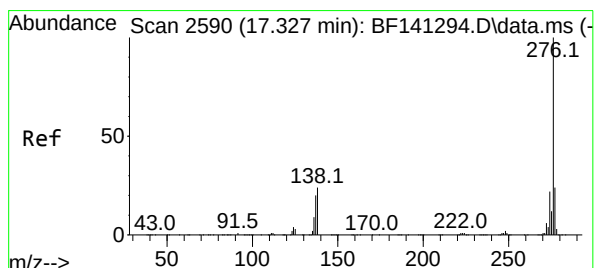
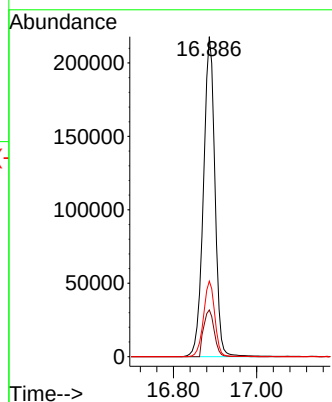
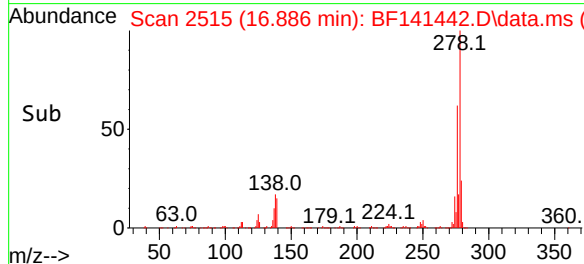
Tgt Ion:278 Resp: 41945
Ion Ratio Lower Upper
278 100
139 14.6 13.9 20.9
279 23.6 18.8 28.2

Manual Integrations
APPROVED

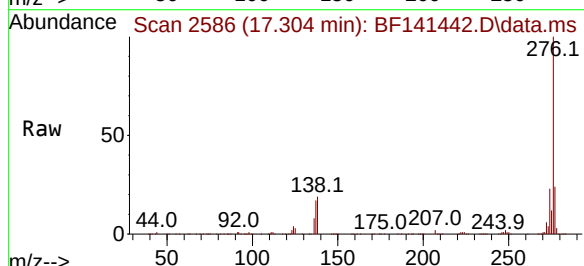
Reviewed By :Yogesh
Patel

02/06/2025
Supervised By :mohammad
ahmed

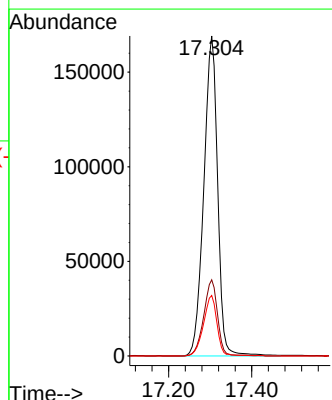
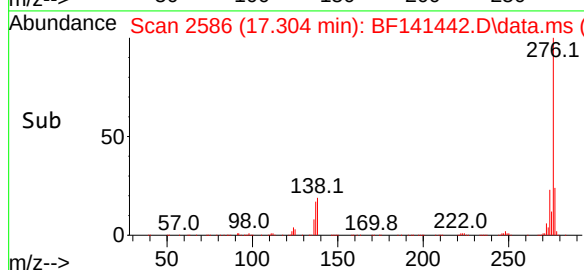
02/06/2025



#92
Benzo(g,h,i)perylene
Concen: 46.889 ng
RT: 17.304 min Scan# 2586
Delta R.T. -0.041 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05



Tgt Ion:276 Resp: 390761
Ion Ratio Lower Upper
276 100
277 23.8 19.2 28.8
138 18.9 19.0 28.4#



Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166339BSD	SDG No.:	Q1194
Lab Sample ID:	PB166339BSD	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141443.D	1	01/29/25 08:40	02/05/25 13:31	PB166339

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	6.20	J	4.00	10.0	ug/L
108-95-2	Phenol	43.9		0.93	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	44.1		1.20	5.00	ug/L
95-57-8	2-Chlorophenol	47.7		0.71	5.00	ug/L
95-48-7	2-Methylphenol	44.4		1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	43.0		1.40	5.00	ug/L
98-86-2	Acetophenone	50.0		1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	47.3		1.20	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	46.6		1.50	2.50	ug/L
67-72-1	Hexachloroethane	47.0		1.00	5.00	ug/L
98-95-3	Nitrobenzene	45.5		1.30	5.00	ug/L
78-59-1	Isophorone	47.5		1.10	5.00	ug/L
88-75-5	2-Nitrophenol	47.8		2.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	54.9		1.50	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	44.5		1.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	48.0		0.88	5.00	ug/L
91-20-3	Naphthalene	46.2		1.00	5.00	ug/L
106-47-8	4-Chloroaniline	18.4		1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	49.5		1.30	5.00	ug/L
105-60-2	Caprolactam	46.3		1.70	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	49.1		0.84	5.00	ug/L
91-57-6	2-Methylnaphthalene	47.4		1.10	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	190	E	5.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	48.2		0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	46.8		1.00	5.00	ug/L
92-52-4	1,1-Biphenyl	46.8		0.91	5.00	ug/L
91-58-7	2-Chloronaphthalene	45.6		0.97	5.00	ug/L
88-74-4	2-Nitroaniline	49.7		1.40	5.00	ug/L
131-11-3	Dimethylphthalate	48.6		0.93	5.00	ug/L

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166339BSD	SDG No.:	Q1194
Lab Sample ID:	PB166339BSD	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141443.D	1	01/29/25 08:40	02/05/25 13:31	PB166339

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	50.0		1.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	46.6		1.20	5.00	ug/L
99-09-2	3-Nitroaniline	26.8		1.40	5.00	ug/L
83-32-9	Acenaphthene	54.4		0.81	5.00	ug/L
51-28-5	2,4-Dinitrophenol	110	E	6.40	10.0	ug/L
100-02-7	4-Nitrophenol	100	E	2.00	10.0	ug/L
132-64-9	Dibenzofuran	48.6		0.93	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	50.0		1.50	5.00	ug/L
84-66-2	Diethylphthalate	49.2		1.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	49.2		0.98	5.00	ug/L
86-73-7	Fluorene	49.5		0.96	5.00	ug/L
100-01-6	4-Nitroaniline	48.0		2.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	57.0		3.10	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	49.6		0.89	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	48.9		0.95	5.00	ug/L
118-74-1	Hexachlorobenzene	49.0		1.10	5.00	ug/L
1912-24-9	Atrazine	52.1		1.30	5.00	ug/L
87-86-5	Pentachlorophenol	100	E	1.90	10.0	ug/L
85-01-8	Phenanthrene	51.8		0.89	5.00	ug/L
120-12-7	Anthracene	54.1		1.10	5.00	ug/L
86-74-8	Carbazole	53.1		1.20	5.00	ug/L
84-74-2	Di-n-butylphthalate	51.4		1.50	5.00	ug/L
206-44-0	Fluoranthene	55.3		1.30	5.00	ug/L
129-00-0	Pyrene	46.5		1.10	5.00	ug/L
85-68-7	Butylbenzylphthalate	50.5		2.10	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	23.5		1.30	10.0	ug/L
56-55-3	Benzo(a)anthracene	47.2		0.94	5.00	ug/L
218-01-9	Chrysene	49.2		0.86	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	50.1		1.90	5.00	ug/L
117-84-0	Di-n-octyl phthalate	48.4		2.50	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	46.4		1.10	5.00	ug/L

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166339BSD	SDG No.:	Q1194
Lab Sample ID:	PB166339BSD	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141443.D	1	01/29/25 08:40	02/05/25 13:31	PB166339

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	52.7		1.20	5.00	ug/L
50-32-8	Benzo(a)pyrene	53.1		1.70	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	50.7		1.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	50.2		1.20	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	45.0		1.20	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	48.6		1.10	5.00	ug/L
123-91-1	1,4-Dioxane	37.0		1.30	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	53.4		0.79	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	131		15 (10) - 110 (139)	87%	SPK: 150
13127-88-3	Phenol-d6	124		15 (10) - 110 (134)	83%	SPK: 150
4165-60-0	Nitrobenzene-d5	93.1		30 (49) - 130 (133)	93%	SPK: 100
321-60-8	2-Fluorobiphenyl	93.4		30 (52) - 130 (132)	93%	SPK: 100
118-79-6	2,4,6-Tribromophenol	151		15 (44) - 110 (137)	101%	SPK: 150
1718-51-0	Terphenyl-d14	96.5		30 (48) - 130 (125)	96%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	70000	6.793			
1146-65-2	Naphthalene-d8	273000	8.075			
15067-26-2	Acenaphthene-d10	147000	9.828			
1517-22-2	Phenanthrene-d10	252000	11.316			
1719-03-5	Chrysene-d12	169000	13.963			
1520-96-3	Perylene-d12	155000	15.427			

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\BF020525\
 Data File : BF141443.D
 Acq On : 05 Feb 2025 13:31
 Operator : RC/JU
 Sample : PB166339BSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB166339BSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/06/2025
 Supervised By :mohammad ahmed 02/06/2025

Quant Time: Feb 05 14:26:26 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	70045	20.000	ng	-0.01
21) Naphthalene-d8	8.075	136	272862	20.000	ng	#-0.01
39) Acenaphthene-d10	9.828	164	147235	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	252391	20.000	ng	-0.01
76) Chrysene-d12	13.963	240	168766	20.000	ng	#-0.01
86) Perylene-d12	15.427	264	154833	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	598208	131.111	ng	0.00
7) Phenol-d6	6.434	99	718440	123.779	ng	0.00
23) Nitrobenzene-d5	7.351	82	481799	93.083	ng	-0.02
42) 2,4,6-Tribromophenol	10.622	330	203760	150.955	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	893097	93.364	ng	-0.01
79) Terphenyl-d14	12.904	244	1055500	96.452	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.552	88	74151	36.953	ng	97
3) Pyridine	3.275	79	186375	38.549	ng	96
4) n-Nitrosodimethylamine	3.222	42	137763	49.880	ng	84
6) Aniline	6.451	93	182325	37.109	ng	# 11
8) 2-Chlorophenol	6.581	128	233395	47.726	ng	95
9) Benzaldehyde	6.340	77	20938	6.228	ng	98
10) Phenol	6.446	94	269901	43.867	ng	# 68
11) bis(2-Chloroethyl)ether	6.528	93	208053	44.102	ng	98
12) 1,3-Dichlorobenzene	6.728	146	245484	45.527	ng	99
13) 1,4-Dichlorobenzene	6.810	146	249121	45.990	ng	100
14) 1,2-Dichlorobenzene	6.957	146	234274	46.187	ng	98
15) Benzyl Alcohol	6.934	79	203176	51.222	ng	96
16) 2,2'-oxybis(1-Chloropr...	7.063	45	352997	43.030	ng	63
17) 2-Methylphenol	7.051	107	176532	44.416	ng	# 92
18) Hexachloroethane	7.298	117	93989	47.034	ng	98
19) n-Nitroso-di-n-propyla...	7.204	70	160722	46.601	ng	99
20) 3+4-Methylphenols	7.204	107	230779	47.290	ng	95
22) Acetophenone	7.198	105	324107	49.971	ng	99
24) Nitrobenzene	7.375	77	244028	45.494	ng	100
25) Isophorone	7.610	82	425288	47.533	ng	98
26) 2-Nitrophenol	7.687	139	120895	47.790	ng	91
27) 2,4-Dimethylphenol	7.734	122	176837m	54.920	ng	
28) bis(2-Chloroethoxy)met...	7.822	93	253960	44.498	ng	98
29) 2,4-Dichlorophenol	7.940	162	189017	47.951	ng	99
30) 1,2,4-Trichlorobenzene	8.016	180	205082	45.556	ng	99
31) Naphthalene	8.092	128	665370	46.160	ng	100
32) Benzoic acid	7.857	122	136403	46.082	ng	95
33) 4-Chloroaniline	8.145	127	89922	18.396	ng	99
34) Hexachlorobutadiene	8.210	225	130656	49.491	ng	99
35) Caprolactam	8.510	113	59577m	46.278	ng	
36) 4-Chloro-3-methylphenol	8.639	107	207462	49.066	ng	97
37) 2-Methylnaphthalene	8.787	142	433820	47.352	ng	100
38) 1-Methylnaphthalene	8.887	142	406864	45.209	ng	99
40) 1,2,4,5-Tetrachloroben...	8.951	216	203516	48.587	ng	98
41) Hexachlorocyclopentadiene	8.939	237	230786	186.564	ng	99
43) 2,4,6-Trichlorophenol	9.069	196	132009	48.150	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
 Data File : BF141443.D
 Acq On : 05 Feb 2025 13:31
 Operator : RC/JU
 Sample : PB166339BSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB166339BSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/06/2025
 Supervised By :mohammad ahmed 02/06/2025

Quant Time: Feb 05 14:26:26 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.116	196	139507	46.752	ng	97
46) 1,1'-Biphenyl	9.251	154	537519	46.812	ng	98
47) 2-Chloronaphthalene	9.275	162	408115	45.599	ng	99
48) 2-Nitroaniline	9.375	65	139818	49.666	ng	98
49) Acenaphthylene	9.692	152	626340	49.994	ng	100
50) Dimethylphthalate	9.557	163	483574	48.629	ng	100
51) 2,6-Dinitrotoluene	9.616	165	107574	46.591	ng	96
52) Acenaphthene	9.863	154	486518m	54.358	ng	
53) 3-Nitroaniline	9.786	138	60739	26.840	ng	99
54) 2,4-Dinitrophenol	9.898	184	121360	113.070	ng	91
55) Dibenzofuran	10.034	168	581677	48.552	ng	96
56) 4-Nitrophenol	9.963	139	169841	102.622	ng	88
57) 2,4-Dinitrotoluene	10.022	165	149593	50.041	ng	93
58) Fluorene	10.381	166	459804	49.478	ng	97
59) 2,3,4,6-Tetrachlorophenol	10.157	232	125437	53.434	ng	97
60) Diethylphthalate	10.257	149	474765	49.239	ng	99
61) 4-Chlorophenyl-phenyle...	10.369	204	223335	49.199	ng	95
62) 4-Nitroaniline	10.398	138	106731	47.972	ng	87
63) Azobenzene	10.533	77	462094	47.878	ng	97
65) 4,6-Dinitro-2-methylph...	10.433	198	85087	56.995	ng	98
66) n-Nitrosodiphenylamine	10.492	169	405060	49.620	ng	100
67) 4-Bromophenyl-phenylether	10.863	248	138180	48.903	ng	98
68) Hexachlorobenzene	10.928	284	146924	49.019	ng	99
69) Atrazine	11.022	200	142247	52.117	ng	99
70) Pentachlorophenol	11.128	266	178140	101.496	ng	99
71) Phenanthrene	11.345	178	703261	51.836	ng	100
72) Anthracene	11.392	178	718705	54.065	ng	99
73) Carbazole	11.551	167	626248	53.128	ng	99
74) Di-n-butylphthalate	11.880	149	734688	51.430	ng	99
75) Fluoranthene	12.533	202	740295	55.263	ng	98
77) Benzidine	12.651	184	152405	28.169	ng	99
78) Pyrene	12.763	202	752575	46.455	ng	100
80) Butylbenzylphthalate	13.380	149	285734	50.487	ng	99
81) Benzo(a)anthracene	13.951	228	549332	47.170	ng	99
82) 3,3'-Dichlorobenzidine	13.916	252	87185	23.538	ng	99
83) Chrysene	13.992	228	525550	49.241	ng	99
84) Bis(2-ethylhexyl)phtha...	13.945	149	359351	50.053	ng	99
85) Di-n-octyl phthalate	14.574	149	539172	48.352	ng	98
87) Indeno(1,2,3-cd)pyrene	16.880	276	507144	50.748	ng	95
88) Benzo(b)fluoranthene	15.010	252	452259	46.436	ng	98
89) Benzo(k)fluoranthene	15.039	252	454887	52.723	ng	98
90) Benzo(a)pyrene	15.368	252	436814	53.074	ng	98
91) Dibenzo(a,h)anthracene	16.898	278	403526	50.190	ng	97
92) Benzo(g,h,i)perylene	17.315	276	376155	44.995	ng	94

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

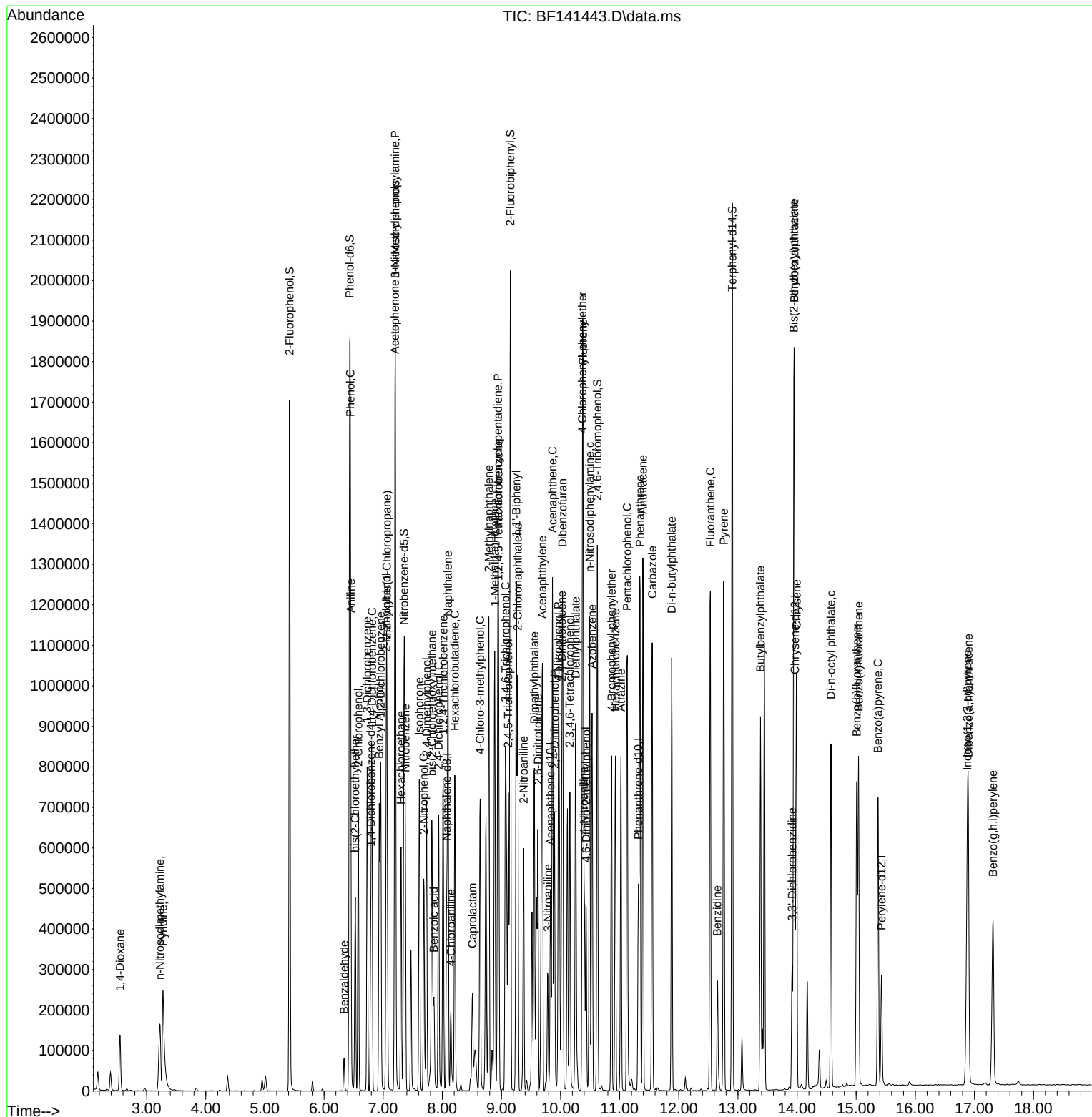
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
 Data File : BF141443.D
 Acq On : 05 Feb 2025 13:31
 Operator : RC/JU
 Sample : PB166339BSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

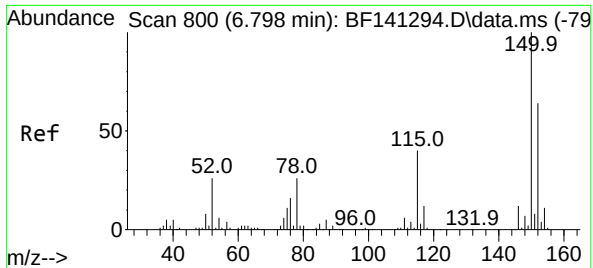
Instrument :
 BNA_F
 ClientSampleId :
 PB166339BSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/06/2025
 Supervised By :mohammad ahmed 02/06/2025

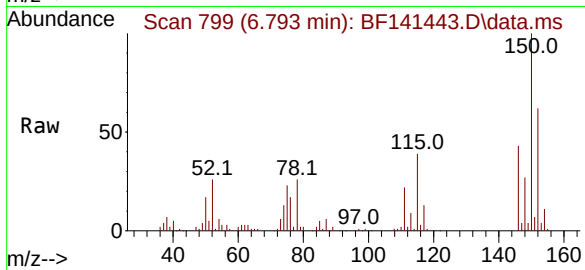
Quant Time: Feb 05 14:26:26 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

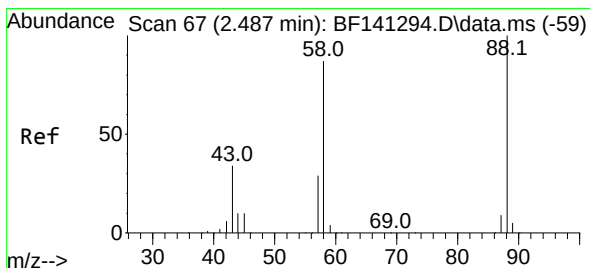
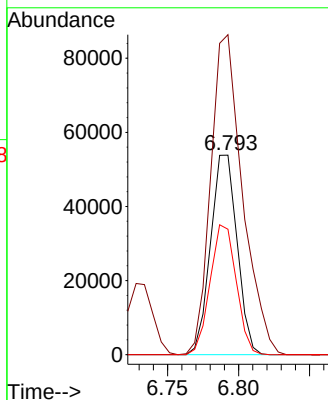
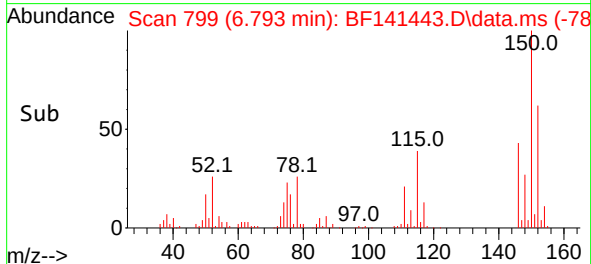
Instrument :
BNA_F
ClientSampleId :
PB166339BSD



Tgt Ion:152 Resp: 70045
Ion Ratio Lower Upper
152 100
150 160.4 125.9 188.9
115 62.9 49.7 74.5

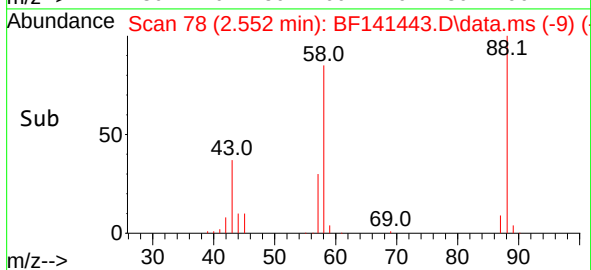
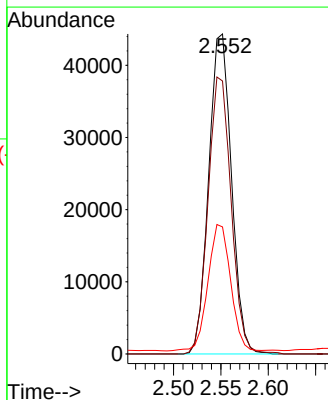
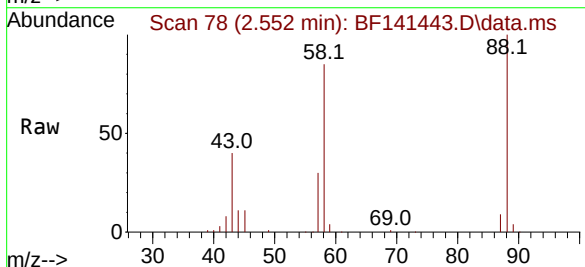
Manual Integrations
APPROVED

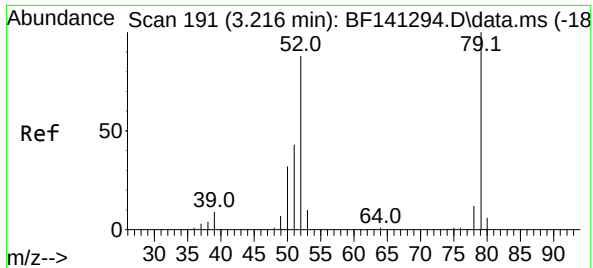
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#2
1,4-Dioxane
Concen: 36.953 ng
RT: 2.552 min Scan# 78
Delta R.T. 0.059 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

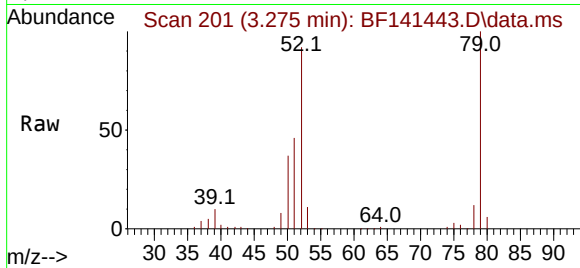
Tgt Ion: 88 Resp: 74151
Ion Ratio Lower Upper
88 100
58 88.1 70.2 105.4
43 39.2 27.6 41.4





#3
Pyridine
Concen: 38.549 ng
RT: 3.275 min Scan# 201
Delta R.T. 0.047 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

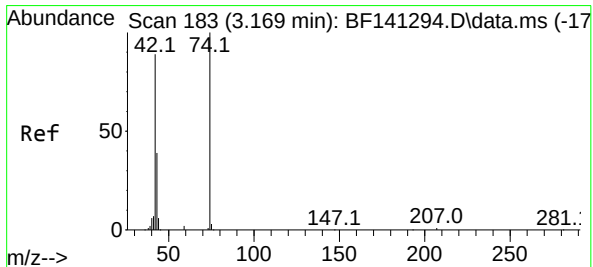
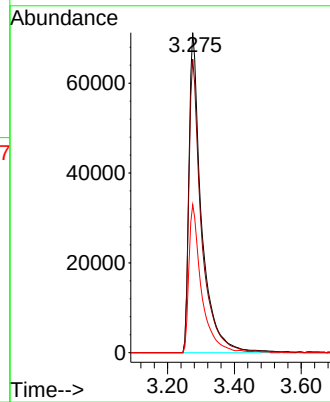
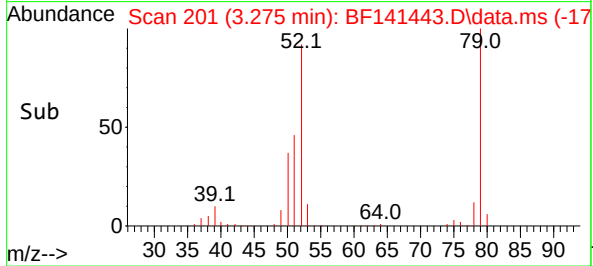
Instrument :
BNA_F
ClientSampleId :
PB166339BSD



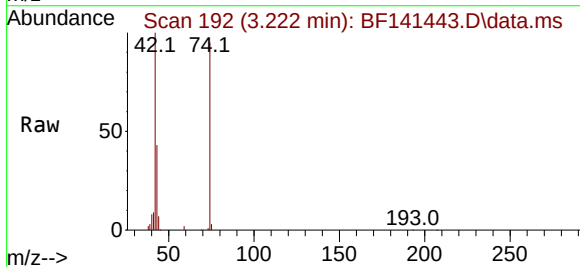
Tgt Ion: 79 Resp: 186379
Ion Ratio Lower Upper
79 100
52 91.7 70.3 105.5
51 46.3 34.3 51.5

Manual Integrations
APPROVED

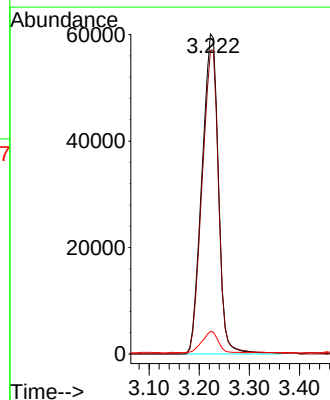
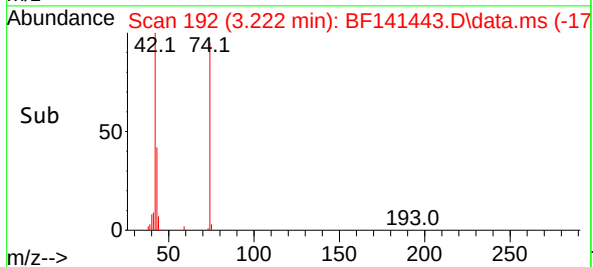
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

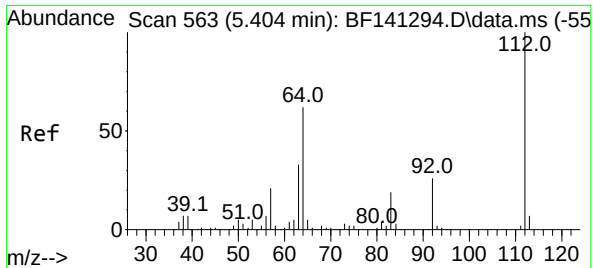


#4
n-Nitrosodimethylamine
Concen: 49.880 ng
RT: 3.222 min Scan# 192
Delta R.T. 0.023 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31



Tgt Ion: 42 Resp: 137763
Ion Ratio Lower Upper
42 100
74 94.8 90.3 135.5
44 7.1 5.7 8.5





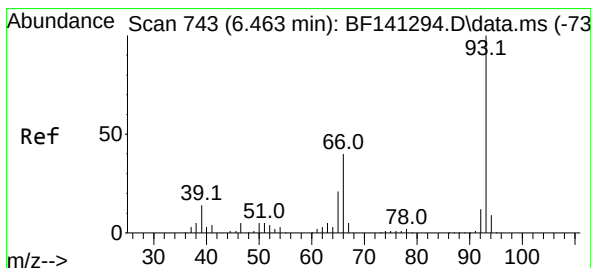
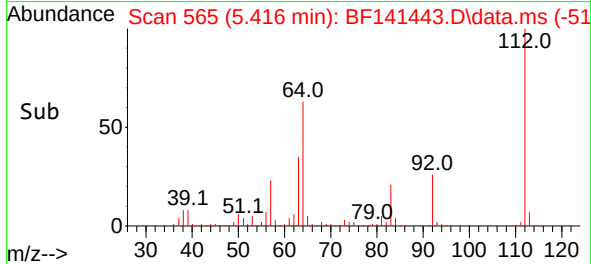
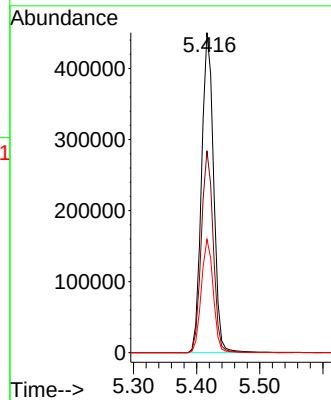
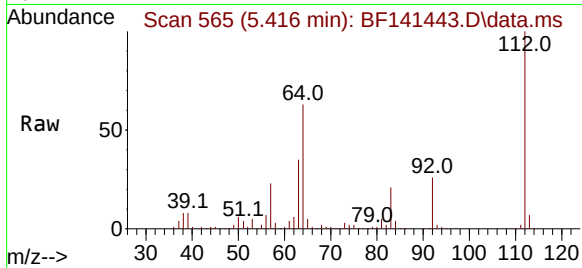
#5
2-Fluorophenol
Concen: 131.111 ng
RT: 5.416 min Scan# 50
Delta R.T. 0.006 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Instrument :
BNA_F
ClientSampleId :
PB166339BSD

Tgt Ion:112 Resp: 598208
Ion Ratio Lower Upper
112 100
64 63.1 49.8 74.8
63 35.5 26.1 39.1

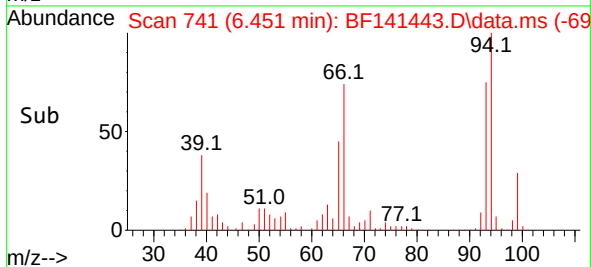
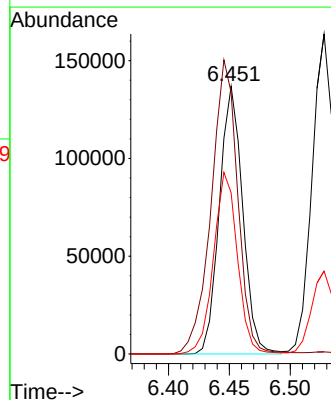
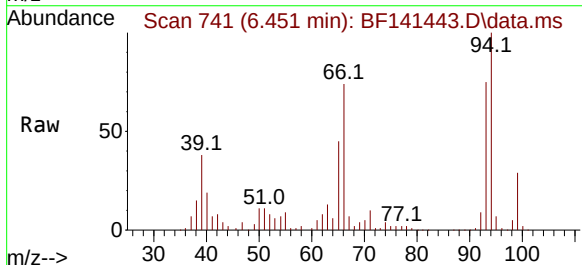
Manual Integrations
APPROVED

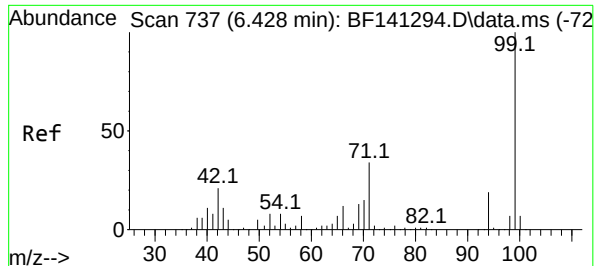
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#6
Aniline
Concen: 37.109 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.018 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion: 93 Resp: 182325
Ion Ratio Lower Upper
93 100
66 97.8 32.5 48.7#
65 60.2 17.0 25.6#





#7

Phenol-d6

Concen: 123.779 ng

RT: 6.434 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF141443.D

Acq: 05 Feb 2025 13:31

Instrument :

BNA_F

ClientSampleId :

PB166339BSD

Tgt Ion: 99 Resp: 718440

Ion Ratio Lower Upper

99 100

42 23.6 17.1 25.7

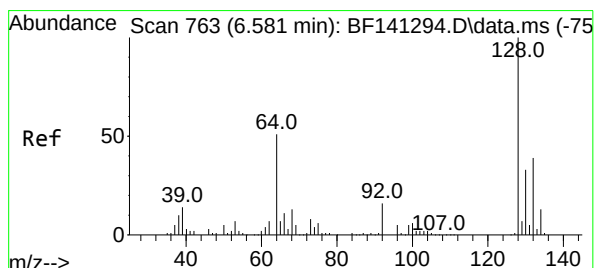
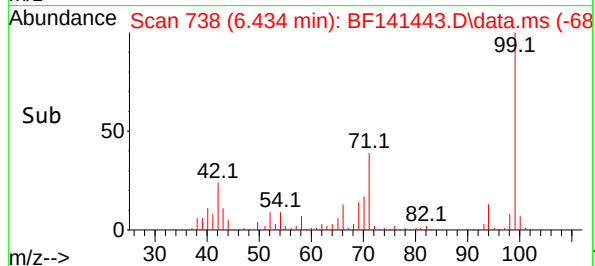
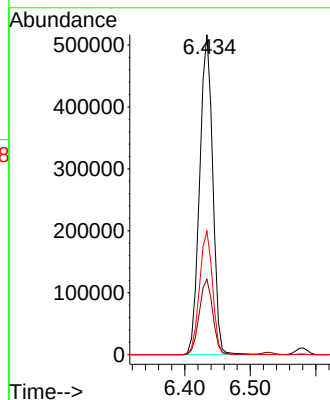
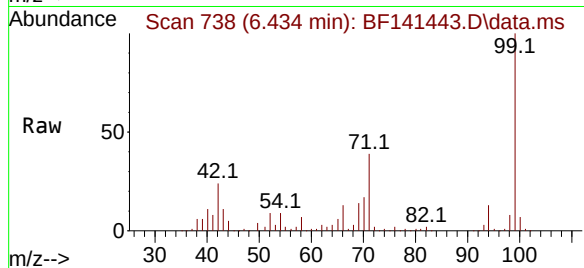
71 38.6 26.9 40.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#8

2-Chlorophenol

Concen: 47.726 ng

RT: 6.581 min Scan# 763

Delta R.T. -0.012 min

Lab File: BF141443.D

Acq: 05 Feb 2025 13:31

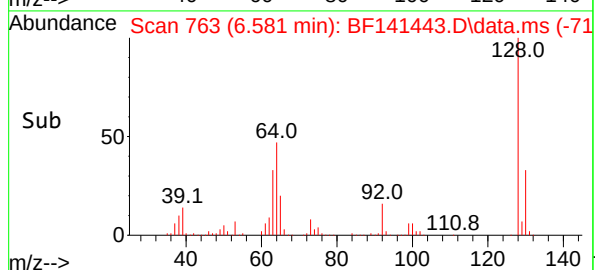
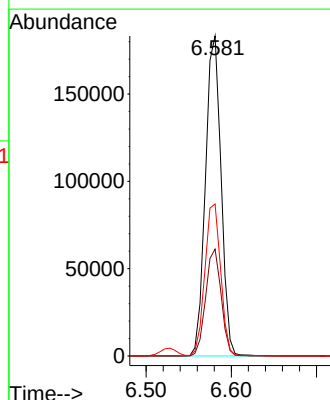
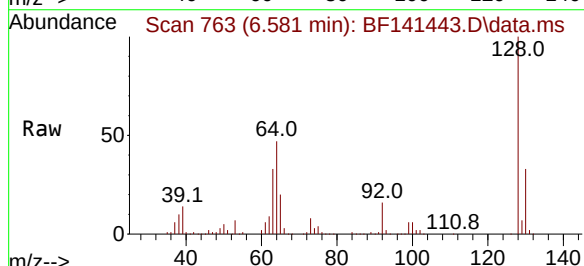
Tgt Ion:128 Resp: 233395

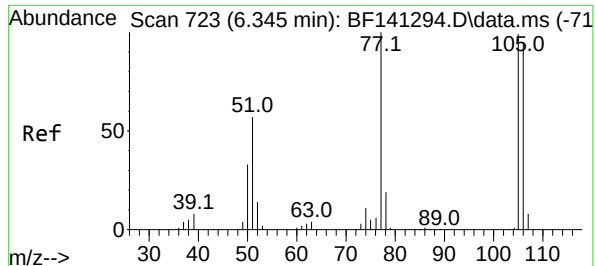
Ion Ratio Lower Upper

128 100

130 33.4 12.5 52.5

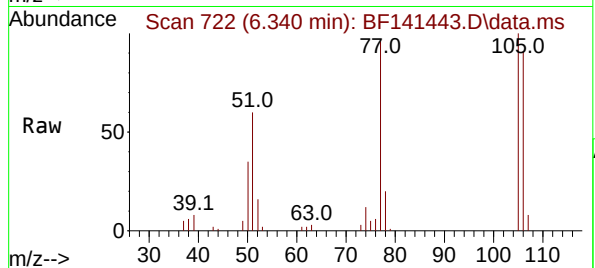
64 47.5 32.9 72.9





#9
Benzaldehyde
Concen: 6.228 ng
RT: 6.340 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

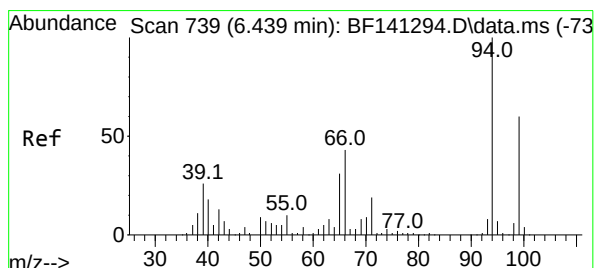
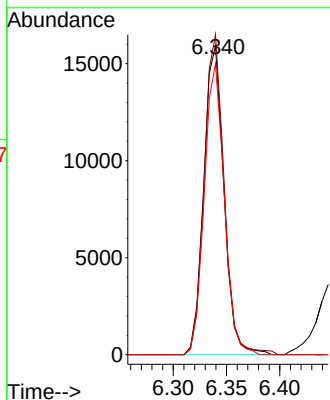
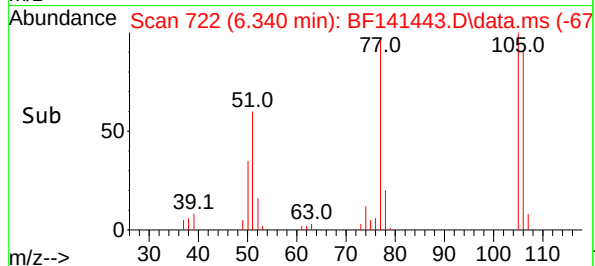
Instrument :
BNA_F
ClientSampleId :
PB166339BSD



Tgt Ion: 77 Resp: 20938
Ion Ratio Lower Upper
77 100
105 103.6 79.4 119.4
106 94.2 74.6 114.6

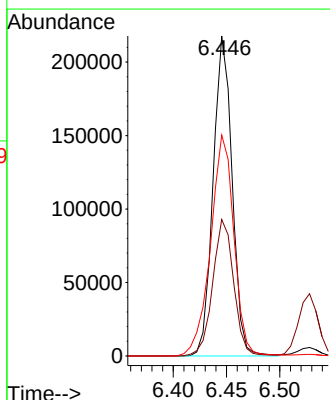
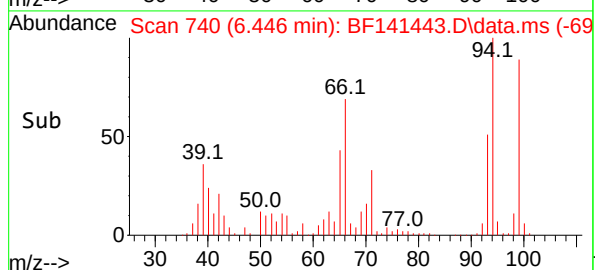
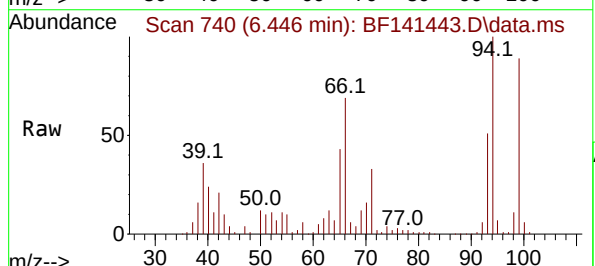
Manual Integrations
APPROVED

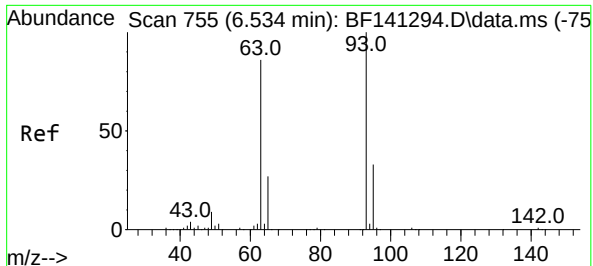
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#10
Phenol
Concen: 43.867 ng
RT: 6.446 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

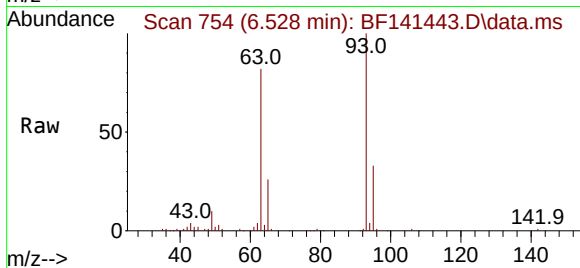
Tgt Ion: 94 Resp: 269901
Ion Ratio Lower Upper
94 100
65 42.7 10.8 50.8
66 69.1 23.3 63.3#





#11
bis(2-Chloroethyl)ether
Concen: 44.102 ng
RT: 6.528 min Scan# 755
Delta R.T. -0.018 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

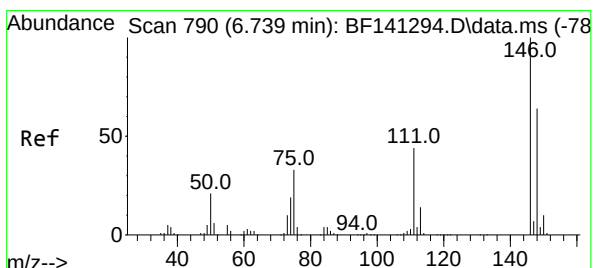
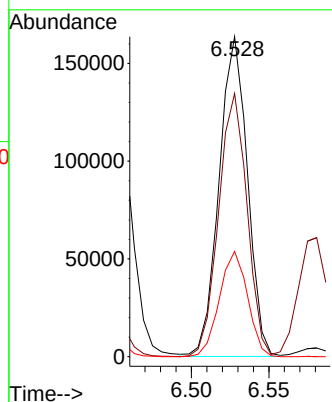
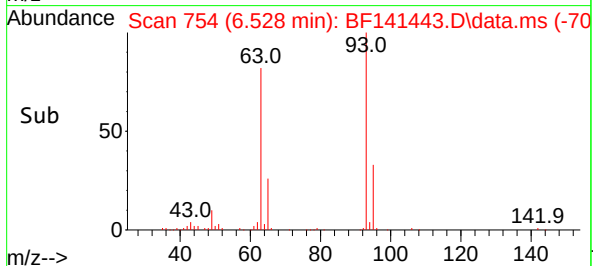
Instrument :
BNA_F
ClientSampleId :
PB166339BSD



Tgt Ion: 93 Resp: 20805
Ion Ratio Lower Upper
93 100
63 82.2 65.0 105.0
95 32.9 12.4 52.4

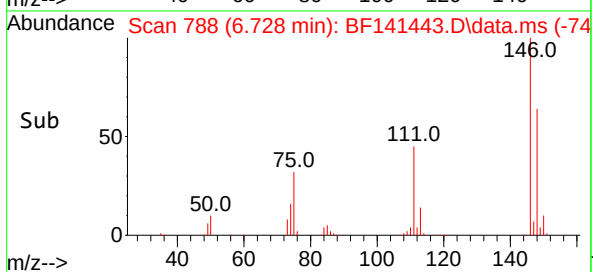
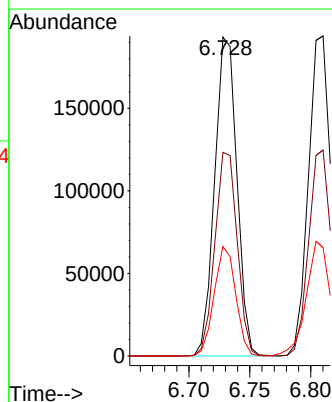
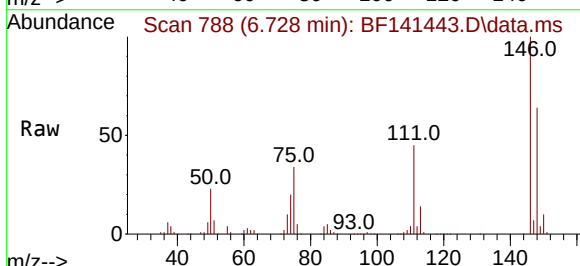
Manual Integrations
APPROVED

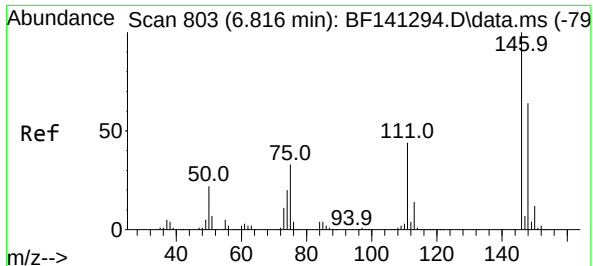
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#12
1,3-Dichlorobenzene
Concen: 45.527 ng
RT: 6.728 min Scan# 788
Delta R.T. -0.018 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion:146 Resp: 245484
Ion Ratio Lower Upper
146 100
148 63.9 51.2 76.8
75 34.3 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 45.990 ng

RT: 6.810 min Scan# 803

Delta R.T. -0.012 min

Lab File: BF141443.D

Acq: 05 Feb 2025 13:31

Instrument :

BNA_F

ClientSampleId :

PB166339BSD

Tgt Ion:146 Resp: 24912

Ion Ratio Lower Upper

146 100

148 64.3 51.2 76.8

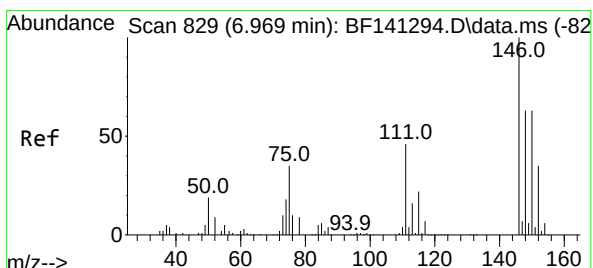
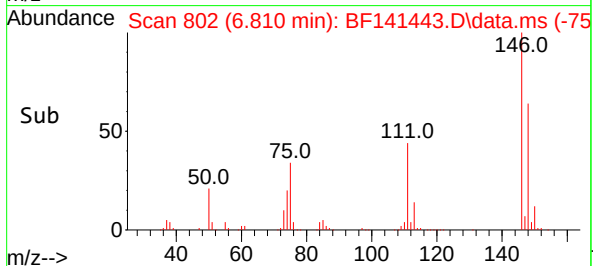
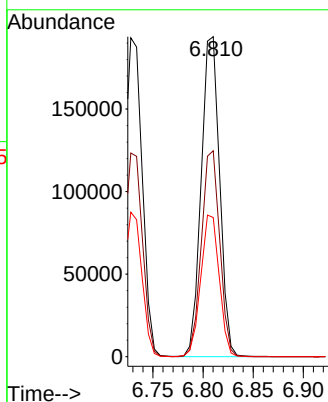
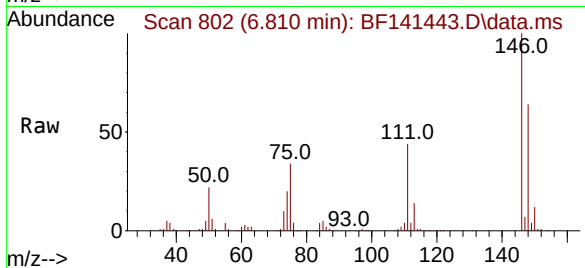
111 43.5 35.0 52.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#14

1,2-Dichlorobenzene

Concen: 46.187 ng

RT: 6.957 min Scan# 827

Delta R.T. -0.018 min

Lab File: BF141443.D

Acq: 05 Feb 2025 13:31

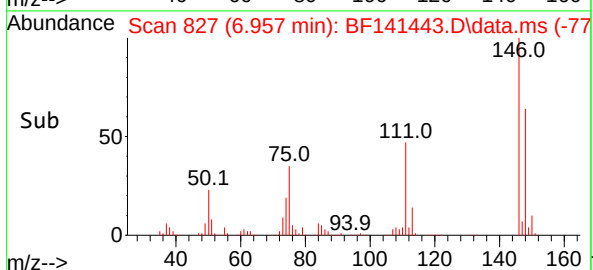
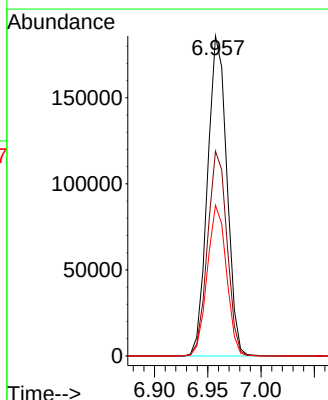
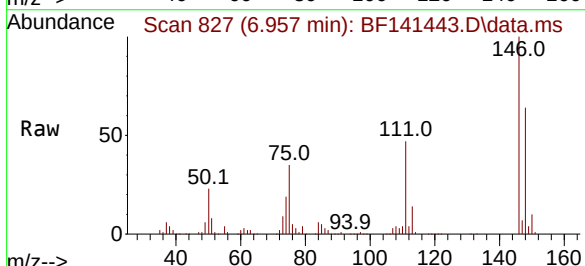
Tgt Ion:146 Resp: 234274

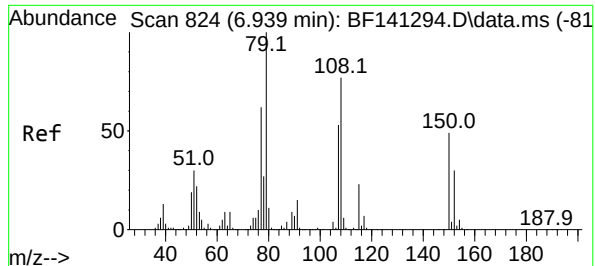
Ion Ratio Lower Upper

146 100

148 64.0 50.5 75.7

111 47.1 36.6 55.0





#15

Benzyl Alcohol

Concen: 51.222 ng

RT: 6.934 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF141443.D

Acq: 05 Feb 2025 13:31

Instrument :

BNA_F

ClientSampleId :

PB166339BSD

Tgt Ion: 79 Resp: 203170

Ion Ratio Lower Upper

79 100

108 71.9 61.4 92.0

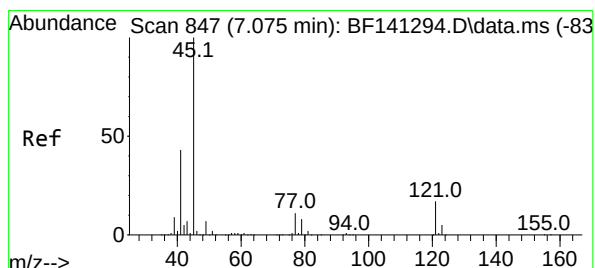
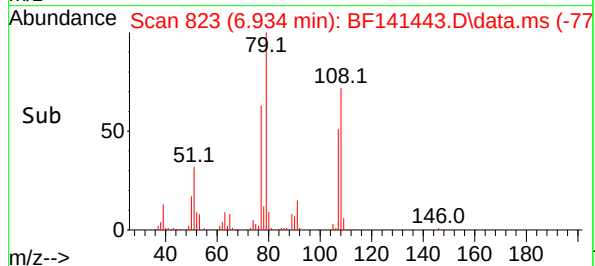
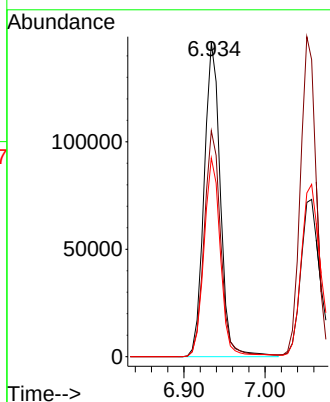
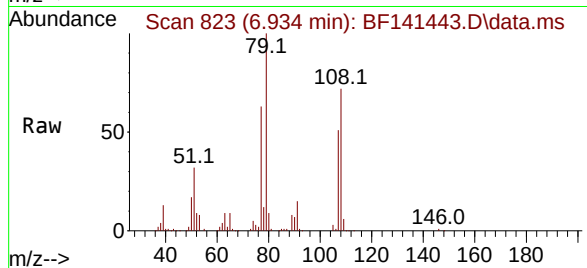
77 63.3 49.9 74.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#16

2,2'-oxybis(1-Chloropropane)

Concen: 43.030 ng

RT: 7.063 min Scan# 845

Delta R.T. -0.018 min

Lab File: BF141443.D

Acq: 05 Feb 2025 13:31

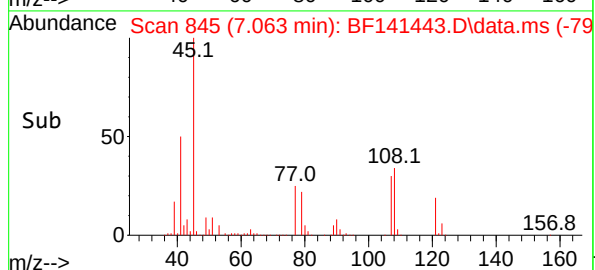
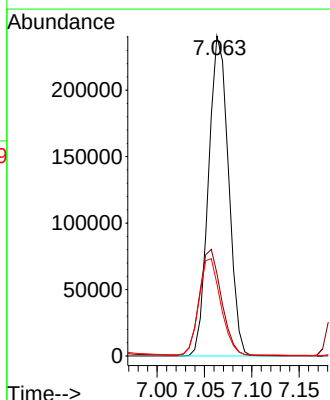
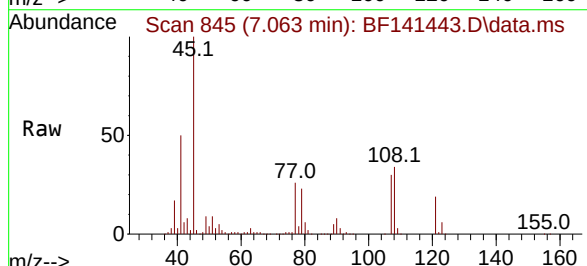
Tgt Ion: 45 Resp: 352997

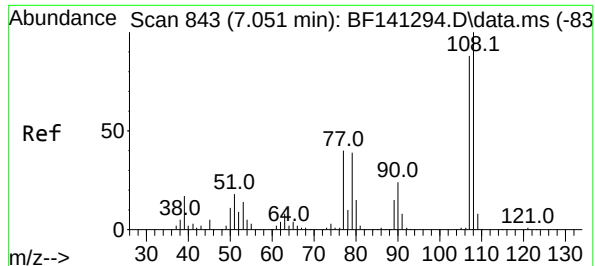
Ion Ratio Lower Upper

45 100

77 25.8 0.0 31.8

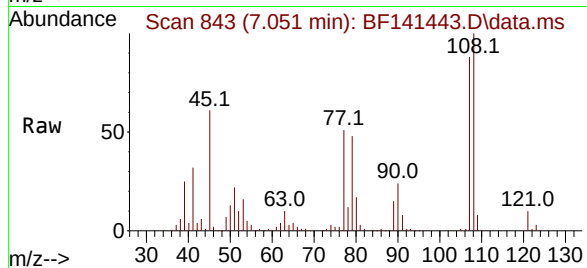
79 22.6 0.0 29.1





#17
2-Methylphenol
Concen: 44.416 ng
RT: 7.051 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

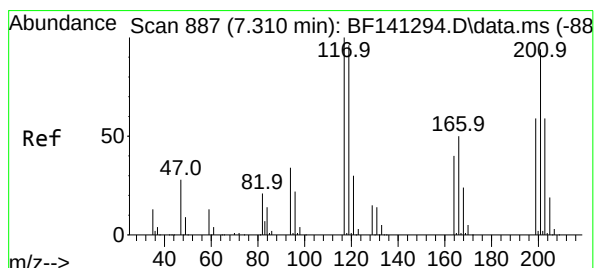
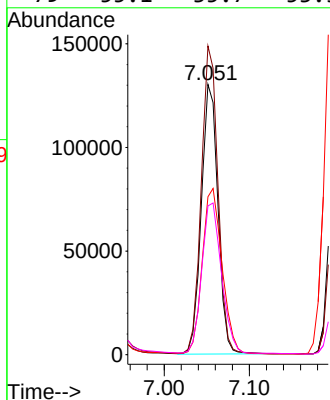
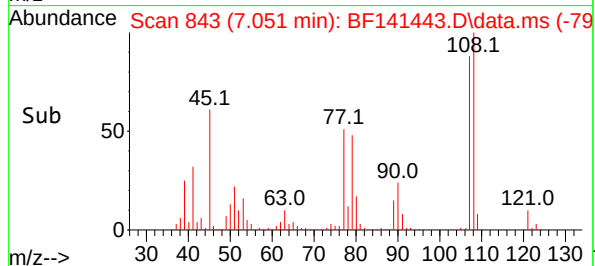
Instrument :
BNA_F
ClientSampleId :
PB166339BSD



Tgt Ion:107 Resp: 17653
Ion Ratio Lower Upper
107 100
108 114.2 90.8 136.2
77 58.5 36.2 54.4
79 55.1 35.7 53.5#

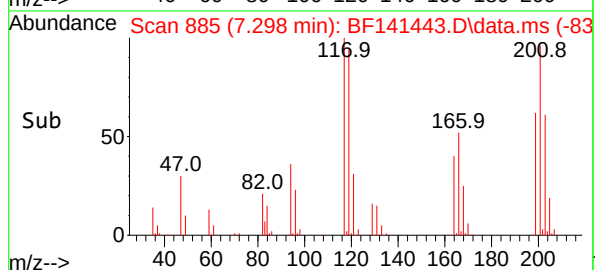
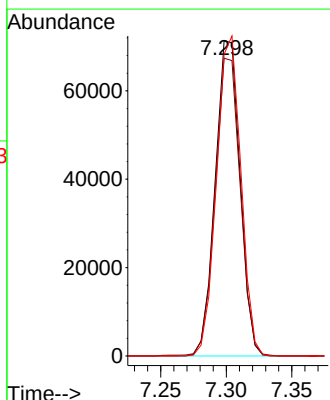
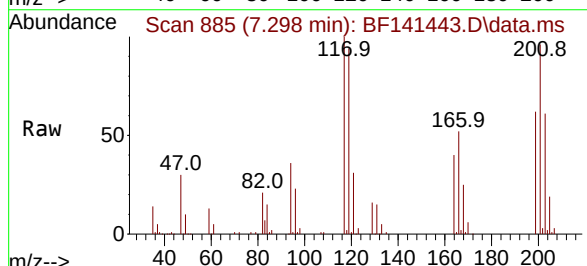
Manual Integrations
APPROVED

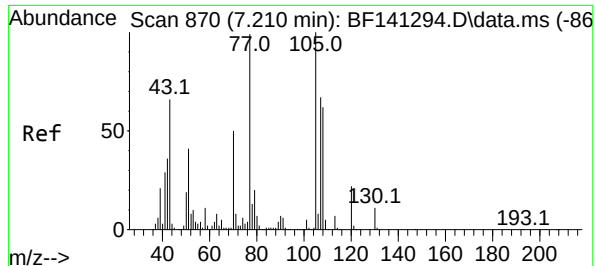
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#18
Hexachloroethane
Concen: 47.034 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.018 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion:117 Resp: 93989
Ion Ratio Lower Upper
117 100
119 94.4 76.6 114.8
201 95.7 74.8 112.2





#19

n-Nitroso-di-n-propylamine

Concen: 46.601 ng

RT: 7.204 min Scan# 869

Delta R.T. -0.024 min

Lab File: BF141443.D

Acq: 05 Feb 2025 13:31

Instrument :

BNA_F

ClientSampleId :

PB166339BSD

Tgt Ion: 70 Resp: 16072

Ion Ratio Lower Upper

70 100

42 71.3 56.8 85.2

101 10.0 7.7 11.5

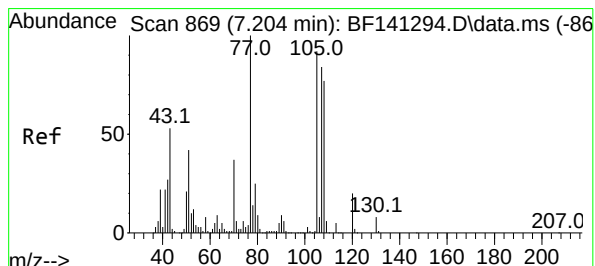
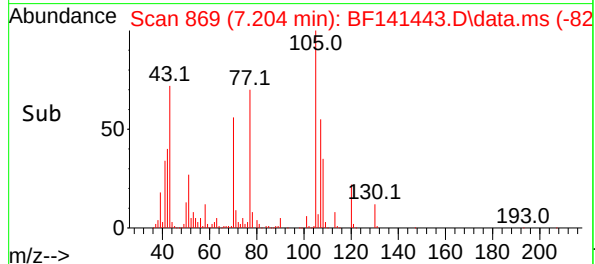
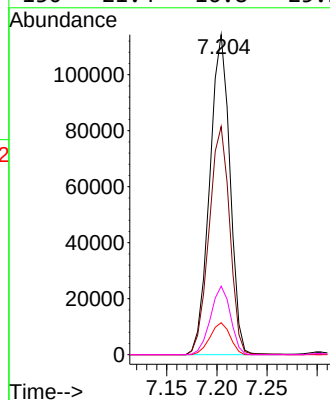
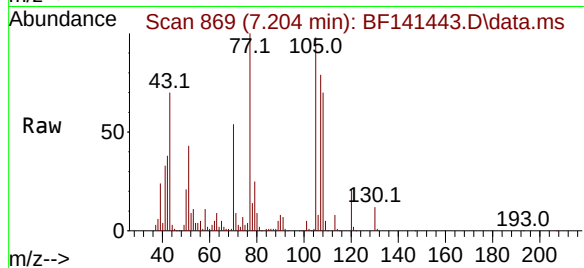
130 21.4 16.8 25.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#20

3+4-Methylphenols

Concen: 47.290 ng

RT: 7.204 min Scan# 869

Delta R.T. -0.012 min

Lab File: BF141443.D

Acq: 05 Feb 2025 13:31

Tgt Ion:107 Resp: 230779

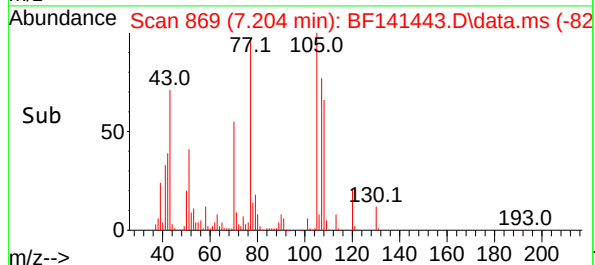
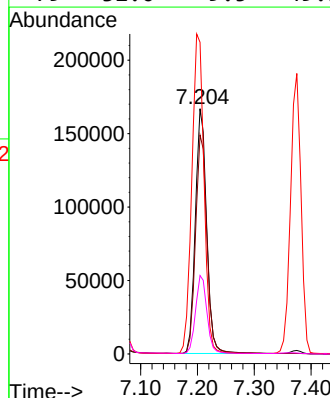
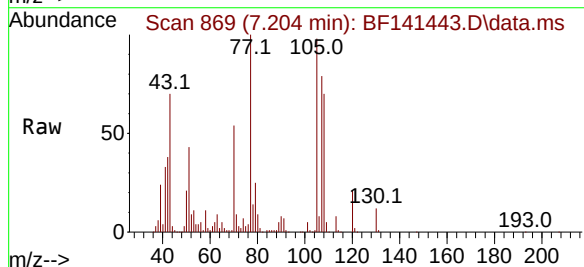
Ion Ratio Lower Upper

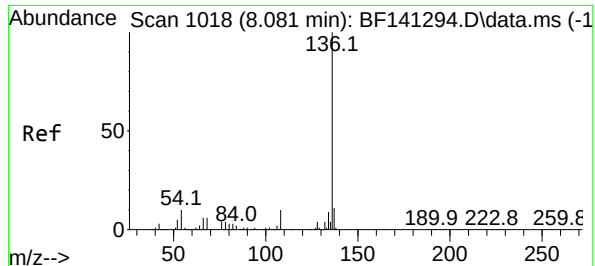
107 100

108 89.2 70.9 110.9

77 127.1 98.5 138.5

79 32.0 9.5 49.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.075 min Scan# 1018

Delta R.T. -0.012 min

Lab File: BF141443.D

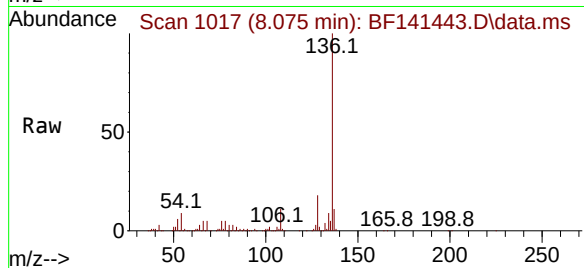
Acq: 05 Feb 2025 13:31

Instrument :

BNA_F

ClientSampleId :

PB166339BSD



Tgt Ion:136 Resp: 272862

Ion Ratio Lower Upper

136 100

137 10.6 8.6 13.0

54 8.9 7.8 11.8

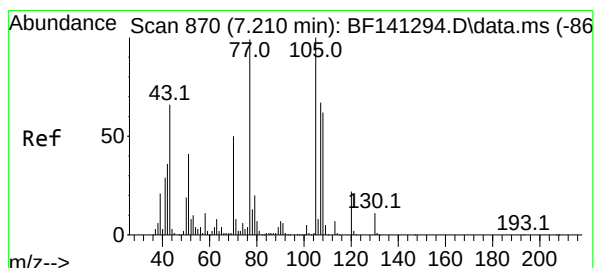
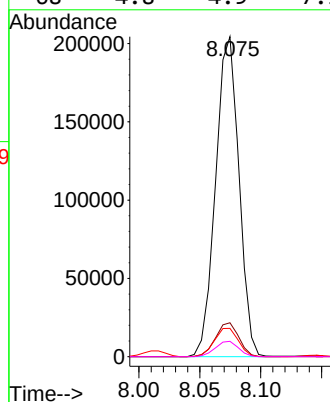
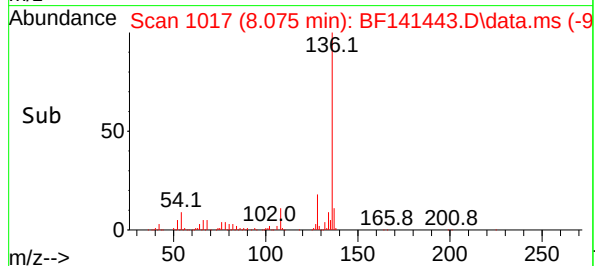
68 4.8 4.9 7.3#

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#22

Acetophenone

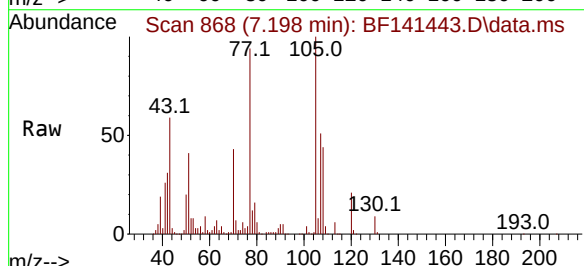
Concen: 49.971 ng

RT: 7.198 min Scan# 868

Delta R.T. -0.018 min

Lab File: BF141443.D

Acq: 05 Feb 2025 13:31



Tgt Ion:105 Resp: 324107

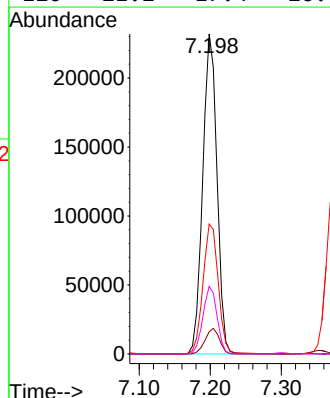
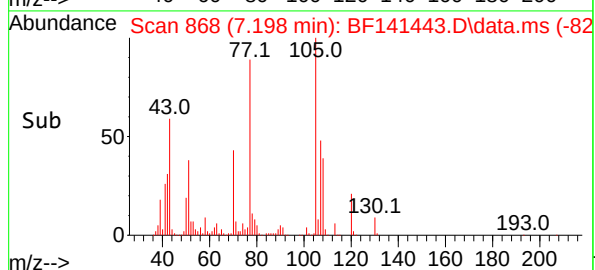
Ion Ratio Lower Upper

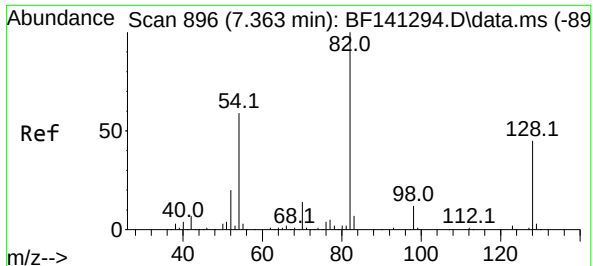
105 100

71 6.9 6.8 10.2

51 40.6 32.6 49.0

120 21.2 17.4 26.0





#23

Nitrobenzene-d5

Concen: 93.083 ng

RT: 7.351 min Scan# 894

Delta R.T. -0.018 min

Lab File: BF141443.D

Acq: 05 Feb 2025 13:31

Instrument :

BNA_F

ClientSampleId :

PB166339BSD

Tgt Ion: 82 Resp: 481799

Ion Ratio Lower Upper

82 100

128 42.9 35.7 53.5

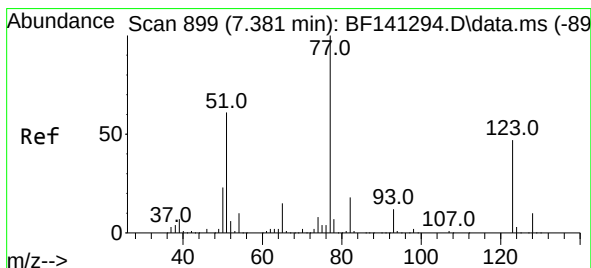
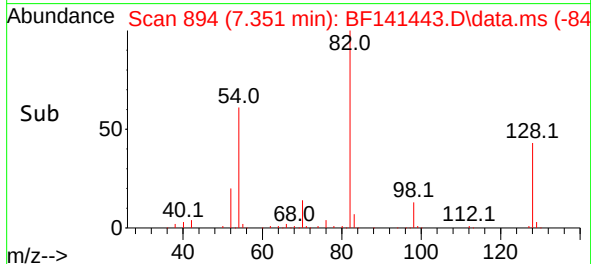
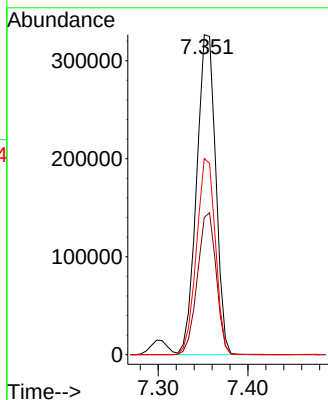
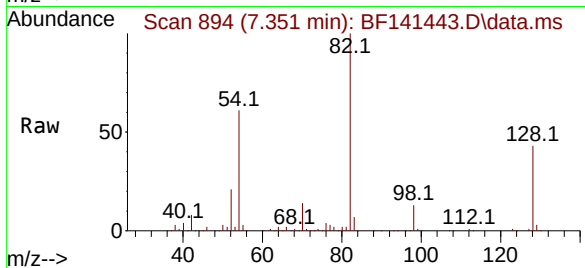
54 61.3 47.1 70.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#24

Nitrobenzene

Concen: 45.494 ng

RT: 7.375 min Scan# 898

Delta R.T. -0.018 min

Lab File: BF141443.D

Acq: 05 Feb 2025 13:31

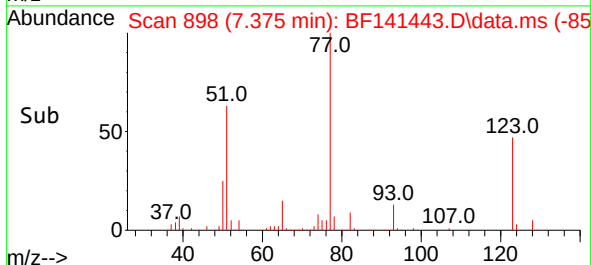
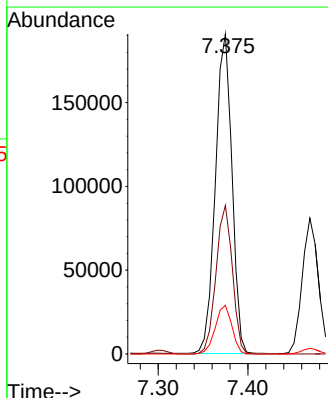
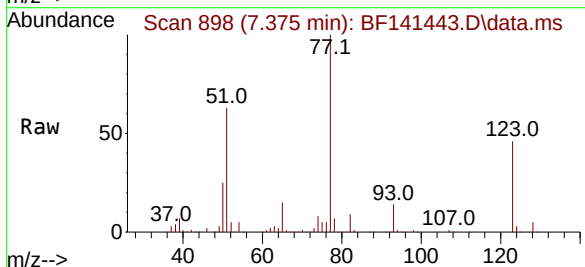
Tgt Ion: 77 Resp: 244028

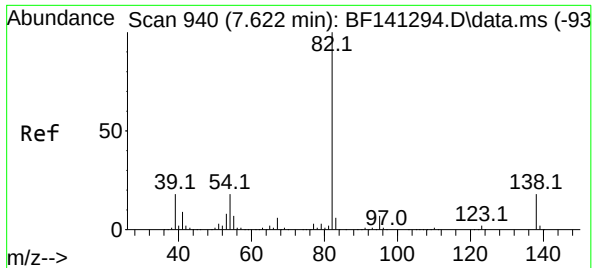
Ion Ratio Lower Upper

77 100

123 46.4 37.3 55.9

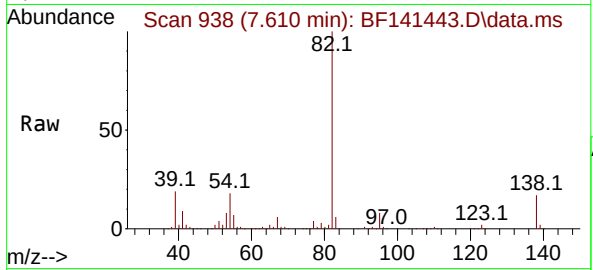
65 15.2 11.8 17.6





#25
Isophorone
Concen: 47.533 ng
RT: 7.610 min Scan# 910
Delta R.T. -0.018 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

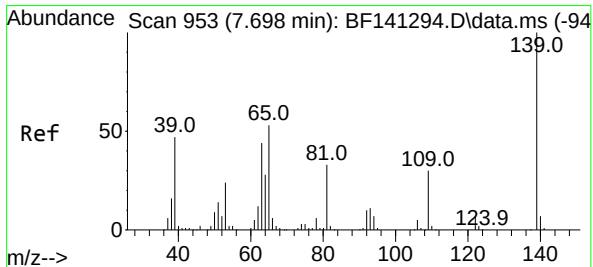
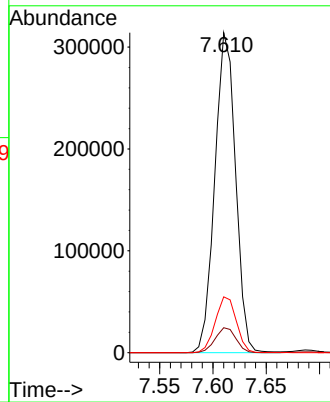
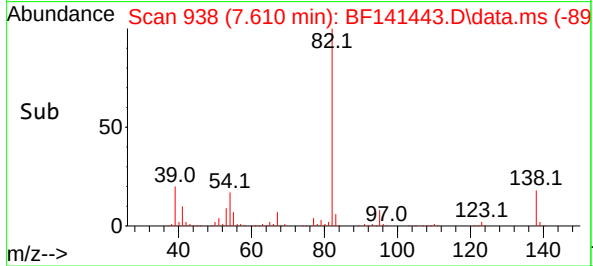
Instrument :
BNA_F
ClientSampleId :
PB166339BSD



Tgt Ion: 82 Resp: 425288
Ion Ratio Lower Upper
82 100
95 7.8 5.8 8.6
138 17.5 14.7 22.1

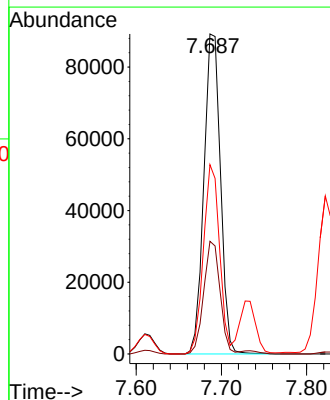
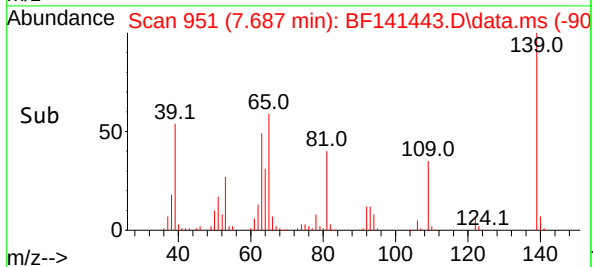
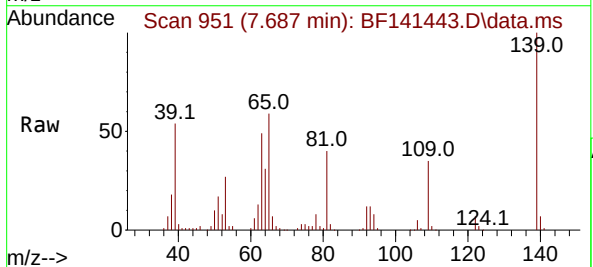
Manual Integrations
APPROVED

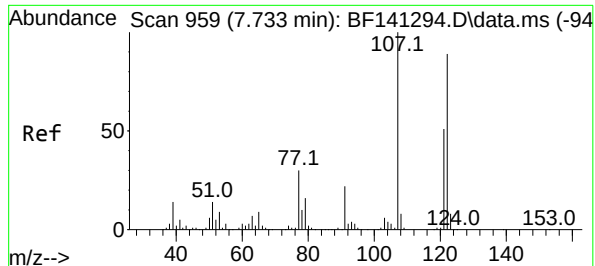
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#26
2-Nitrophenol
Concen: 47.790 ng
RT: 7.687 min Scan# 951
Delta R.T. -0.018 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion:139 Resp: 120895
Ion Ratio Lower Upper
139 100
109 35.2 23.8 35.6
65 59.2 42.2 63.4





#27

2,4-Dimethylphenol

Concen: 54.920 ng m

RT: 7.734 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF141443.D

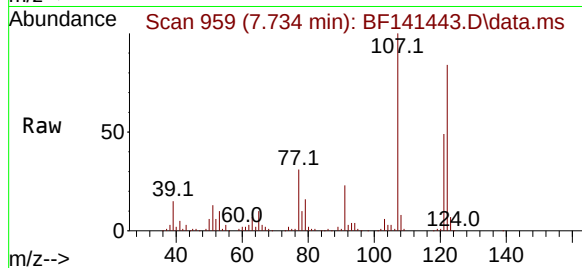
Acq: 05 Feb 2025 13:31

Instrument :

BNA_F

ClientSampleId :

PB166339BSD



Tgt Ion:122 Resp: 17683

Ion Ratio Lower Upper

122 100

107 119.6 89.9 134.9

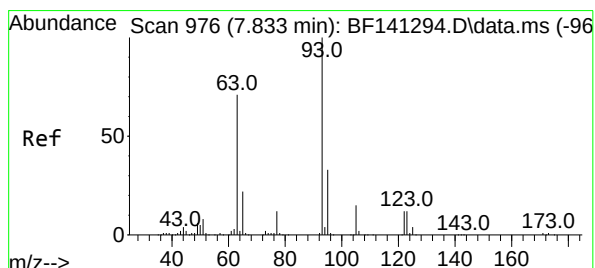
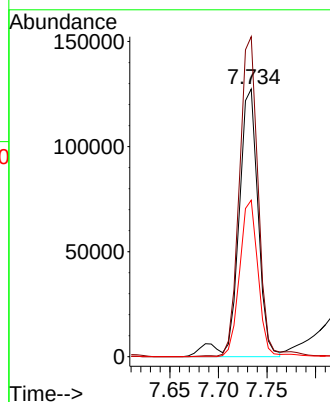
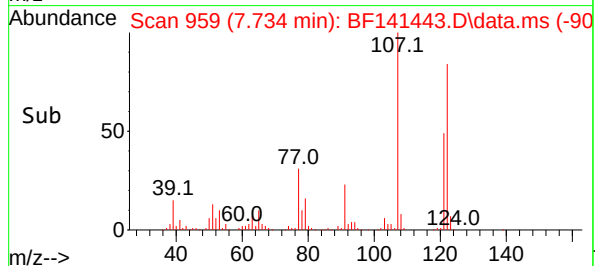
121 58.4 46.1 69.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#28

bis(2-Chloroethoxy)methane

Concen: 44.498 ng

RT: 7.822 min Scan# 974

Delta R.T. -0.018 min

Lab File: BF141443.D

Acq: 05 Feb 2025 13:31

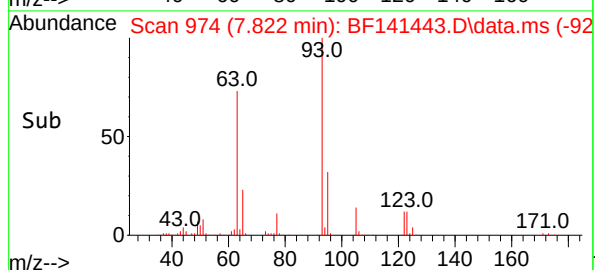
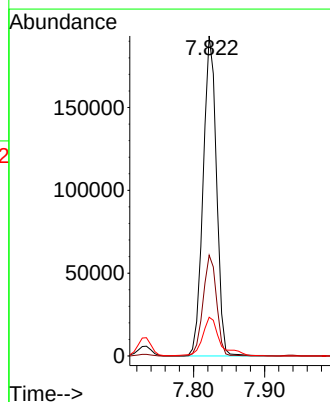
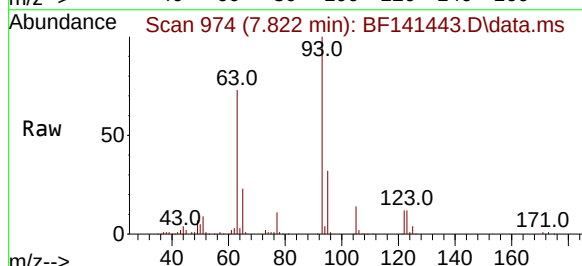
Tgt Ion: 93 Resp: 253960

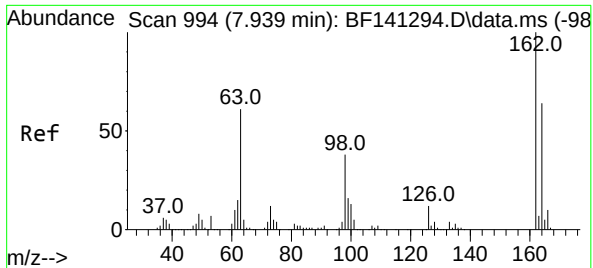
Ion Ratio Lower Upper

93 100

95 31.5 26.2 39.2

123 12.1 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 47.951 ng

RT: 7.940 min Scan# 994

Delta R.T. -0.006 min

Lab File: BF141443.D

Acq: 05 Feb 2025 13:31

Instrument :

BNA_F

ClientSampleId :

PB166339BSD

Tgt Ion:162 Resp: 18901

Ion Ratio Lower Upper

162 100

164 64.4 44.2 84.2

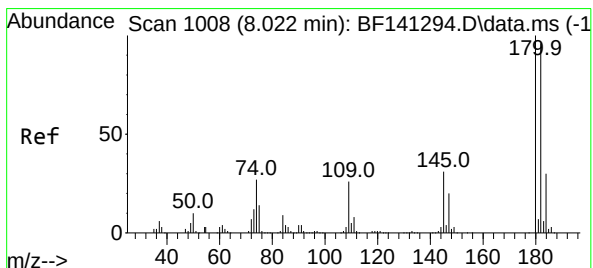
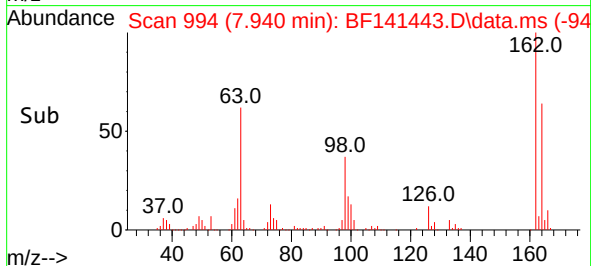
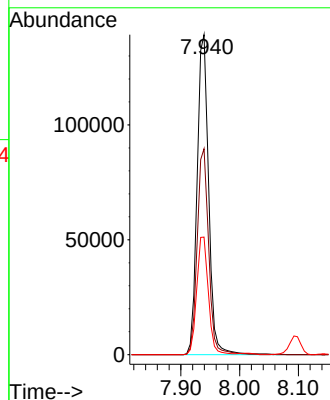
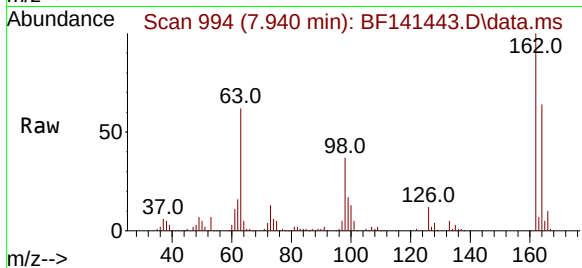
98 36.8 18.2 58.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#30

1,2,4-Trichlorobenzene

Concen: 45.556 ng

RT: 8.016 min Scan# 1007

Delta R.T. -0.012 min

Lab File: BF141443.D

Acq: 05 Feb 2025 13:31

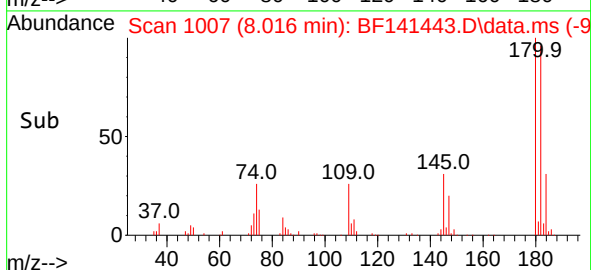
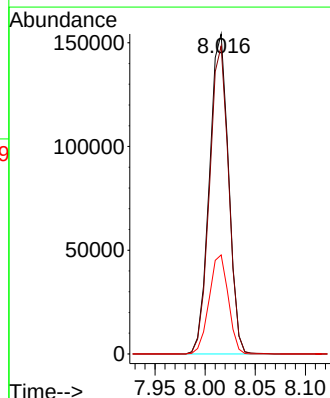
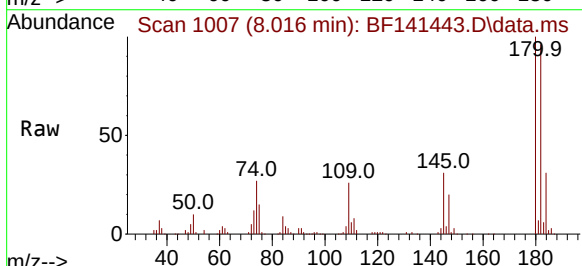
Tgt Ion:180 Resp: 205082

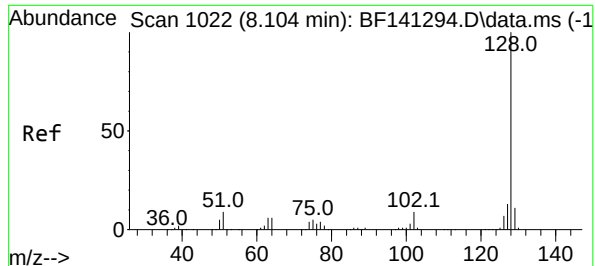
Ion Ratio Lower Upper

180 100

182 96.3 76.4 114.6

145 30.9 24.9 37.3





#31

Naphthalene

Concen: 46.160 ng

RT: 8.092 min Scan# 1022

Delta R.T. -0.018 min

Lab File: BF141443.D

Acq: 05 Feb 2025 13:31

Instrument :

BNA_F

ClientSampleId :

PB166339BSD

Tgt Ion:128 Resp: 665370

Ion Ratio Lower Upper

128 100

129 11.0 8.9 13.3

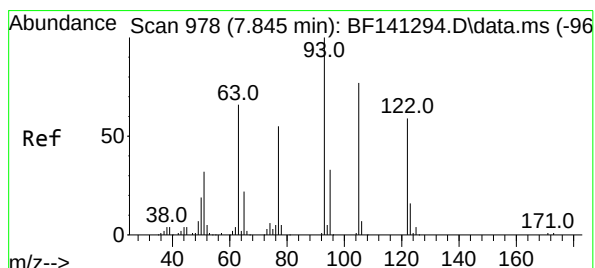
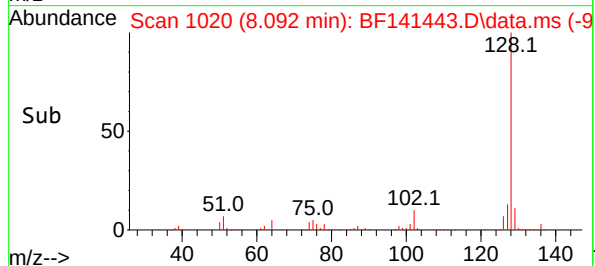
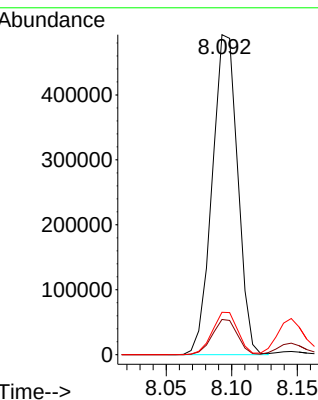
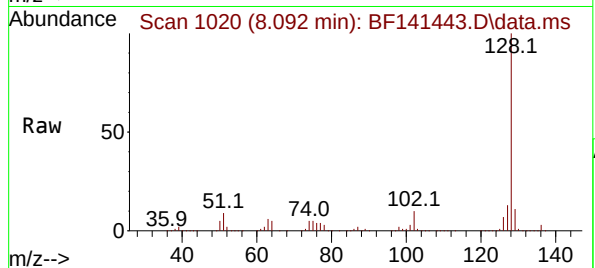
127 13.2 10.6 15.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#32

Benzoic acid

Concen: 46.082 ng

RT: 7.857 min Scan# 980

Delta R.T. -0.024 min

Lab File: BF141443.D

Acq: 05 Feb 2025 13:31

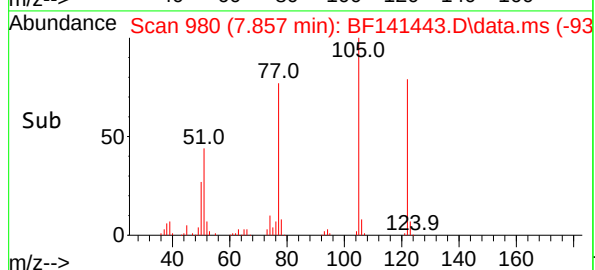
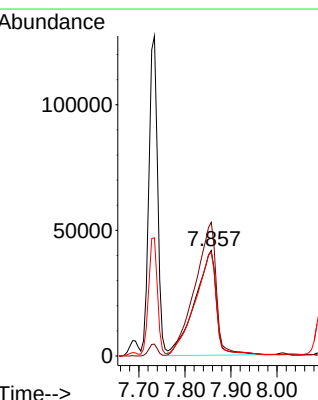
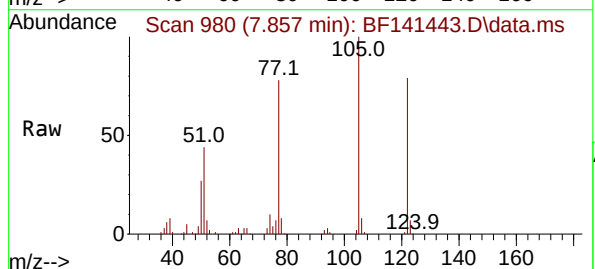
Tgt Ion:122 Resp: 136403

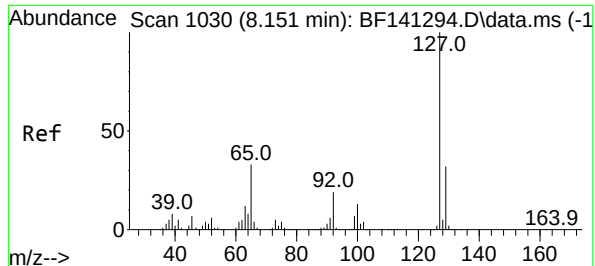
Ion Ratio Lower Upper

122 100

105 126.6 103.4 143.4

77 98.6 70.9 110.9





#33

4-Chloroaniline

Concen: 18.396 ng

RT: 8.145 min Scan# 1029

Delta R.T. -0.012 min

Lab File: BF141443.D

Acq: 05 Feb 2025 13:31

Instrument :

BNA_F

ClientSampleId :

PB166339BSD

Tgt Ion:127 Resp: 8992

Ion Ratio Lower Upper

127 100

129 32.0 25.7 38.5

65 32.3 26.4 39.6

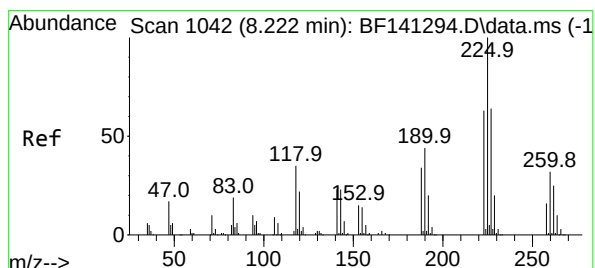
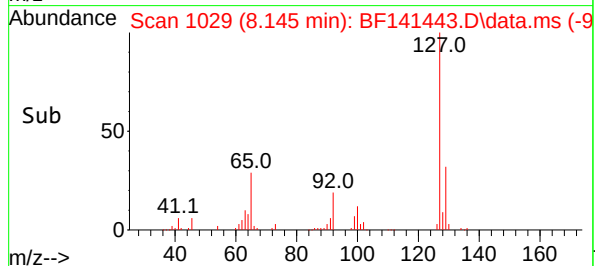
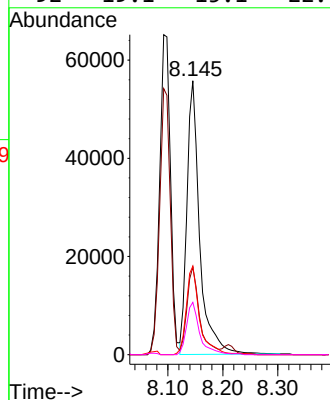
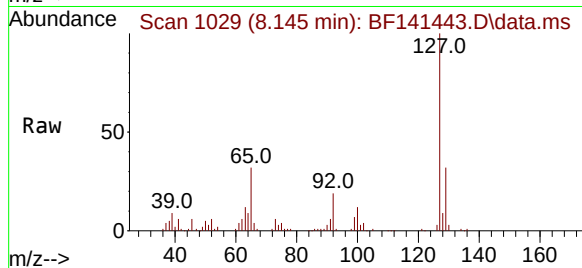
92 19.1 15.1 22.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#34

Hexachlorobutadiene

Concen: 49.491 ng

RT: 8.210 min Scan# 1040

Delta R.T. -0.012 min

Lab File: BF141443.D

Acq: 05 Feb 2025 13:31

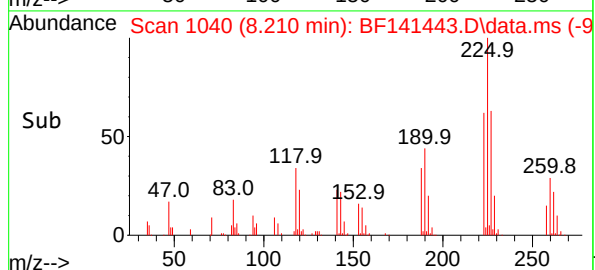
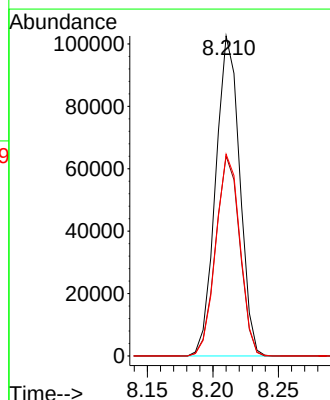
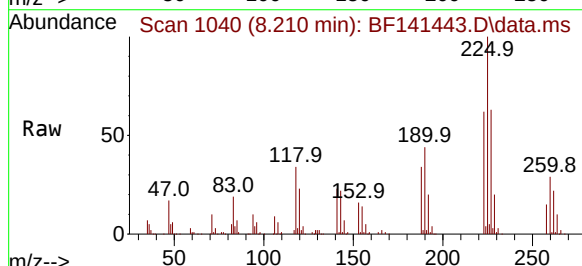
Tgt Ion:225 Resp: 130656

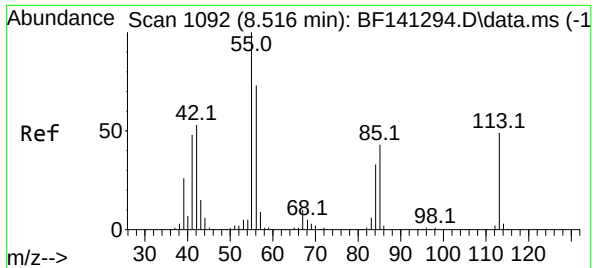
Ion Ratio Lower Upper

225 100

223 62.5 50.4 75.6

227 63.1 51.3 76.9





#35

Caprolactam

Concen: 46.278 ng m

RT: 8.510 min Scan# 1109

Delta R.T. -0.035 min

Lab File: BF141443.D

Acq: 05 Feb 2025 13:31

Instrument :

BNA_F

ClientSampleId :

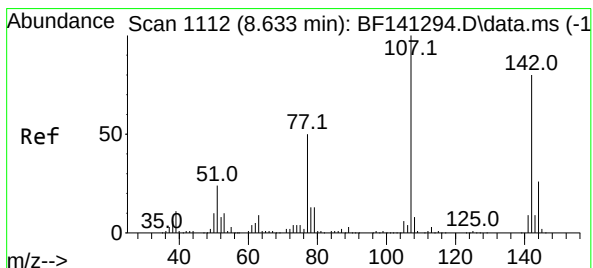
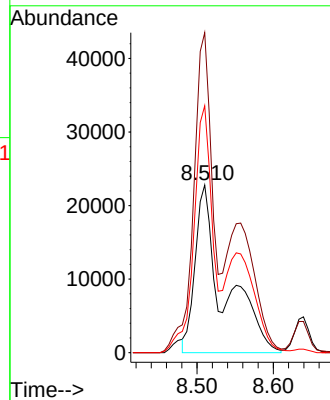
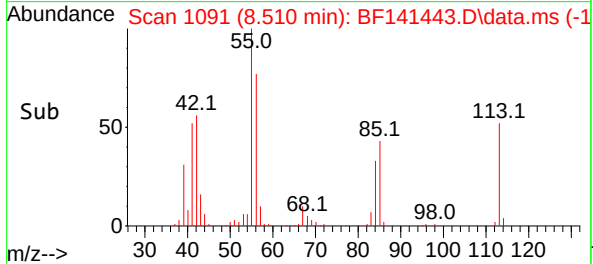
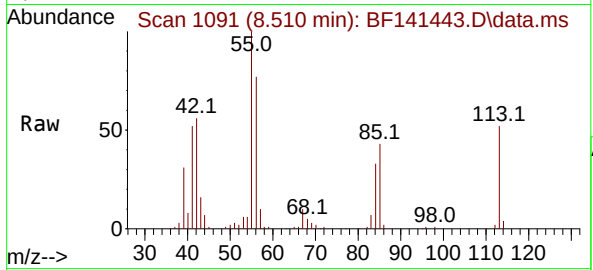
PB166339BSD

Tgt Ion:113 Resp: 59572
Ion Ratio Lower Upper
113 100
55 190.8 182.9 222.9
56 147.2 127.9 167.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#36

4-Chloro-3-methylphenol

Concen: 49.066 ng

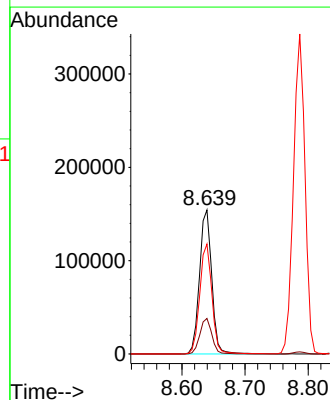
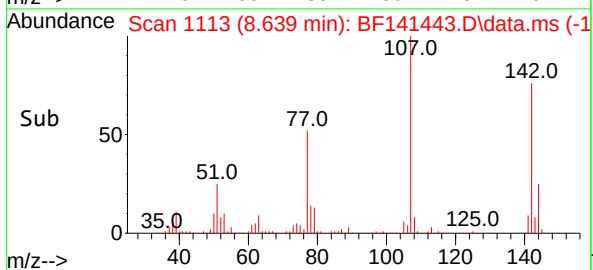
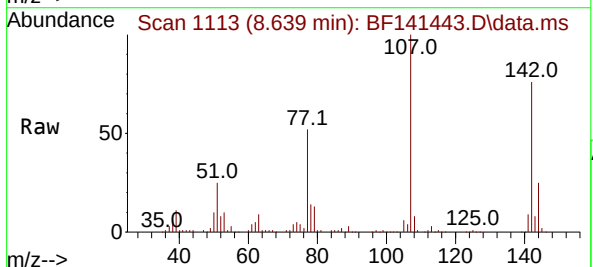
RT: 8.639 min Scan# 1113

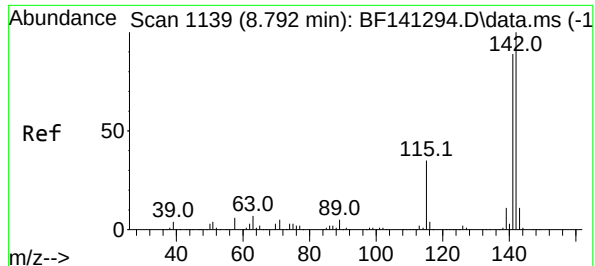
Delta R.T. -0.000 min

Lab File: BF141443.D

Acq: 05 Feb 2025 13:31

Tgt Ion:107 Resp: 207462
Ion Ratio Lower Upper
107 100
144 24.7 20.7 31.1
142 76.4 63.8 95.8





#37

2-Methylnaphthalene

Concen: 47.352 ng

RT: 8.787 min Scan# 1138

Delta R.T. -0.012 min

Lab File: BF141443.D

Acq: 05 Feb 2025 13:31

Instrument :

BNA_F

ClientSampleId :

PB166339BSD

Tgt Ion:142 Resp: 433820

Ion Ratio Lower Upper

142 100

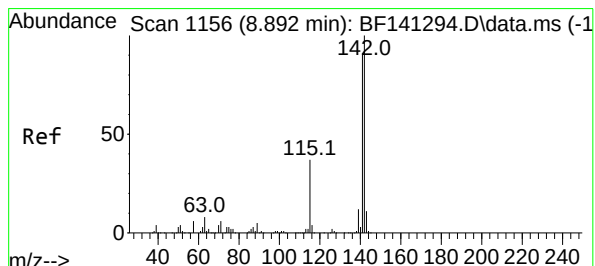
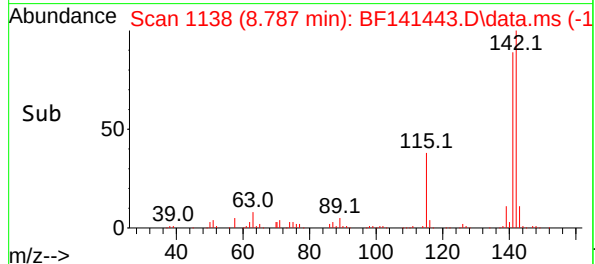
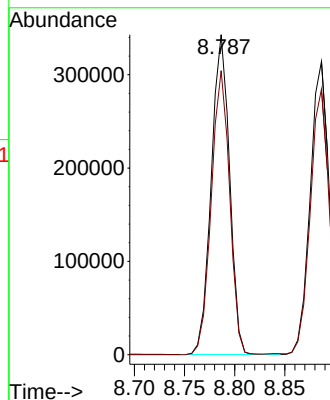
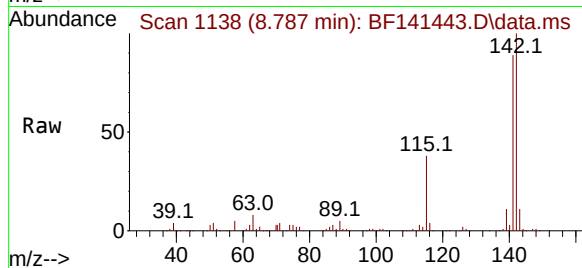
141 88.7 71.3 106.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#38

1-Methylnaphthalene

Concen: 45.209 ng

RT: 8.887 min Scan# 1155

Delta R.T. -0.012 min

Lab File: BF141443.D

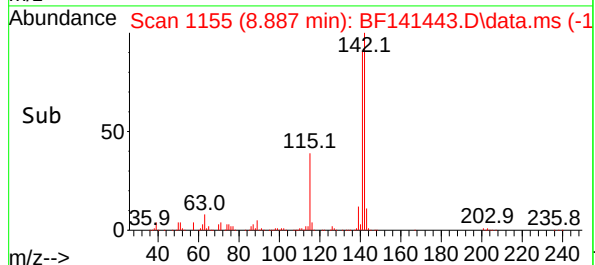
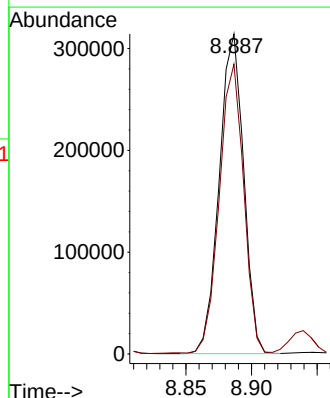
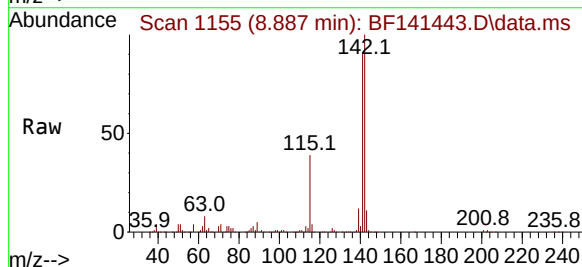
Acq: 05 Feb 2025 13:31

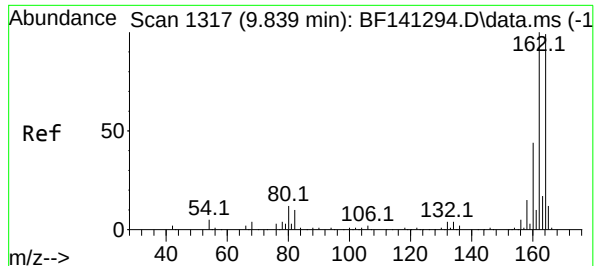
Tgt Ion:142 Resp: 406864

Ion Ratio Lower Upper

142 100

141 90.5 73.2 109.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.828 min Scan# 1165

Delta R.T. -0.012 min

Lab File: BF141443.D

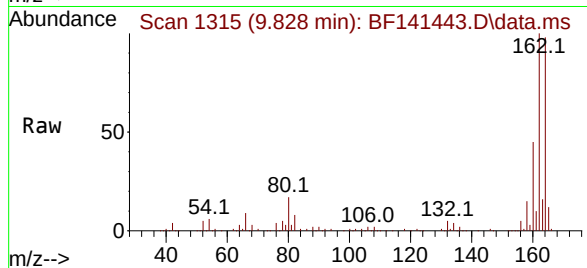
Acq: 05 Feb 2025 13:31

Instrument :

BNA_F

ClientSampleId :

PB166339BSD



Tgt Ion:164 Resp: 147235

Ion Ratio Lower Upper

164 100

162 102.4 80.6 121.0

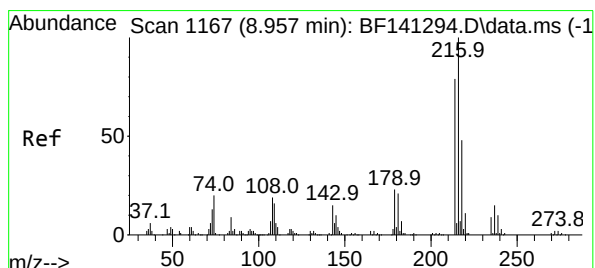
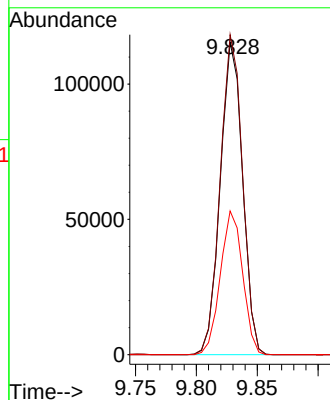
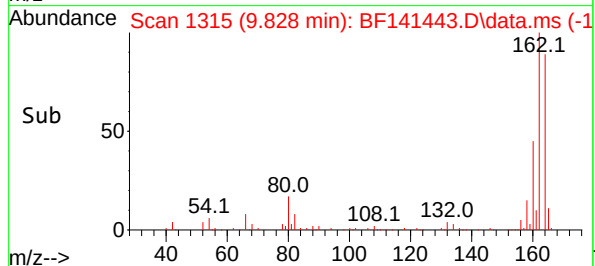
160 46.0 35.8 53.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#40

1,2,4,5-Tetrachlorobenzene

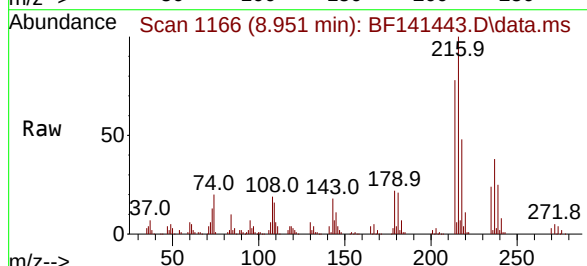
Concen: 48.587 ng

RT: 8.951 min Scan# 1166

Delta R.T. -0.012 min

Lab File: BF141443.D

Acq: 05 Feb 2025 13:31



Tgt Ion:216 Resp: 203516

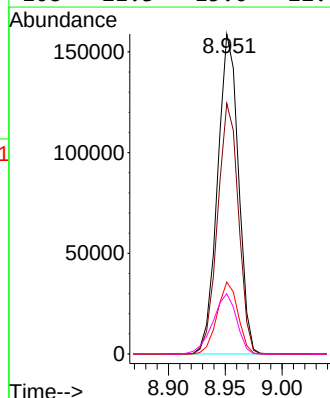
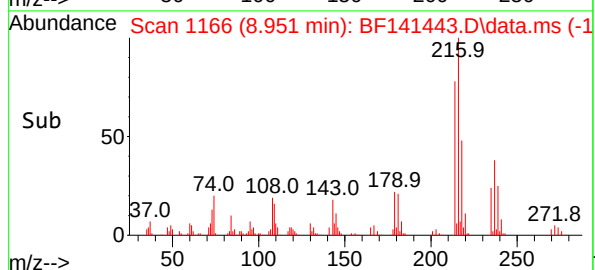
Ion Ratio Lower Upper

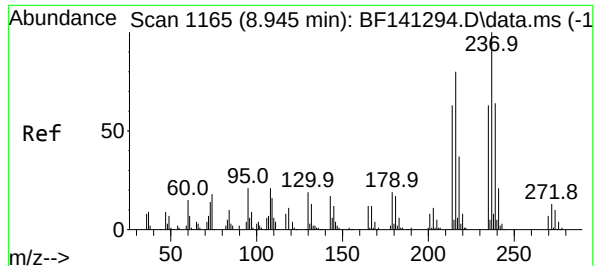
216 100

214 78.0 63.2 94.8

179 22.4 17.8 26.8

108 21.3 15.0 22.6





#41

Hexachlorocyclopentadiene

Concen: 186.564 ng

RT: 8.939 min Scan# 1164

Delta R.T. -0.012 min

Lab File: BF141443.D

Acq: 05 Feb 2025 13:31

Instrument :

BNA_F

ClientSampleId :

PB166339BSD

Tgt Ion:237 Resp: 230780

Ion Ratio Lower Upper

237 100

235 63.1 42.9 82.9

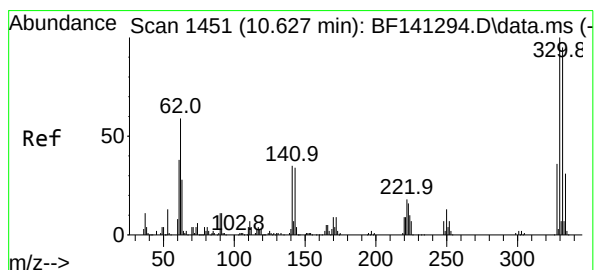
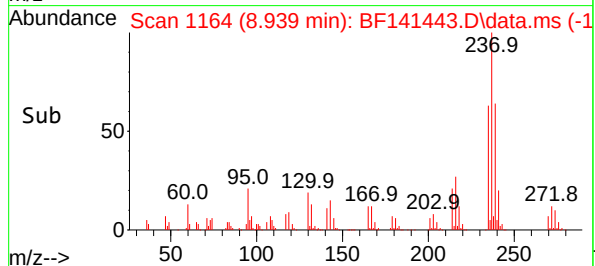
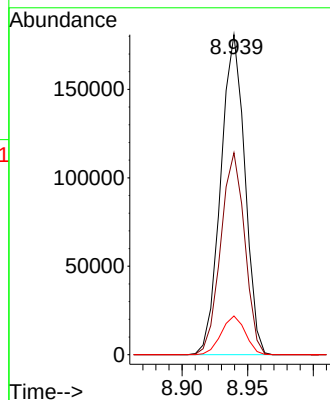
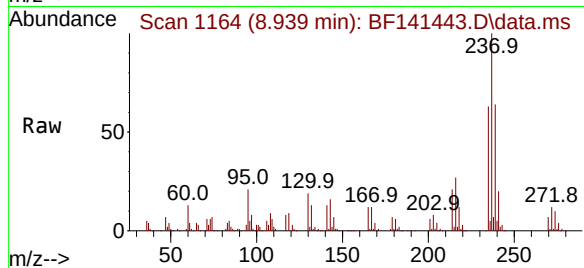
272 12.1 0.0 32.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#42

2,4,6-Tribromophenol

Concen: 150.955 ng

RT: 10.622 min Scan# 1450

Delta R.T. -0.012 min

Lab File: BF141443.D

Acq: 05 Feb 2025 13:31

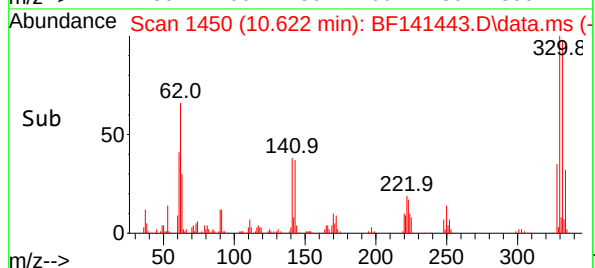
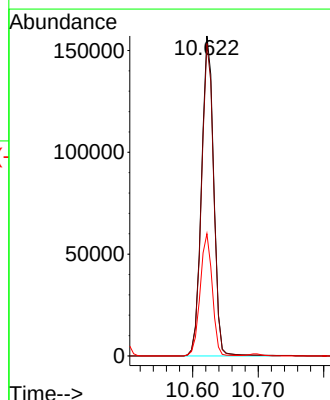
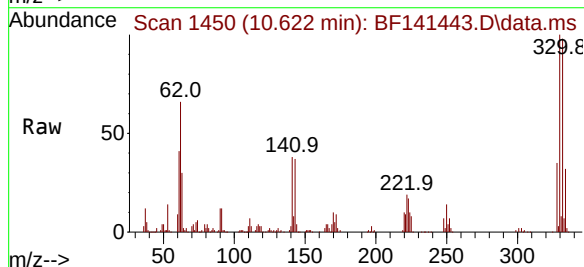
Tgt Ion:330 Resp: 203760

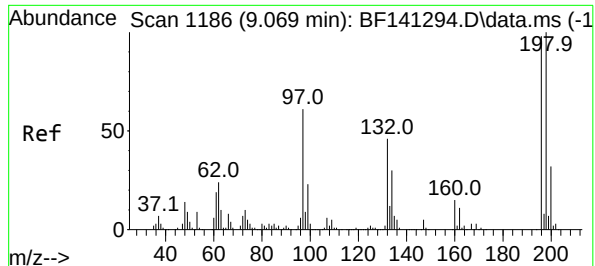
Ion Ratio Lower Upper

330 100

332 97.0 76.1 114.1

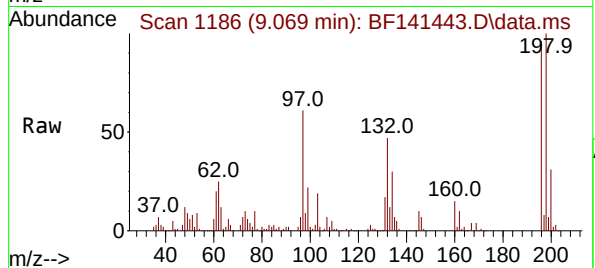
141 37.9 28.8 43.2





#43
2,4,6-Trichlorophenol
Concen: 48.150 ng
RT: 9.069 min Scan# 1186
Delta R.T. -0.006 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

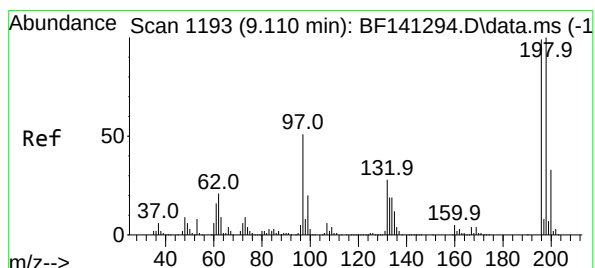
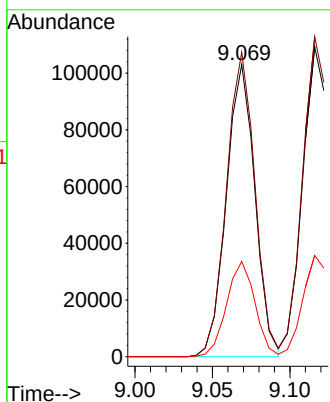
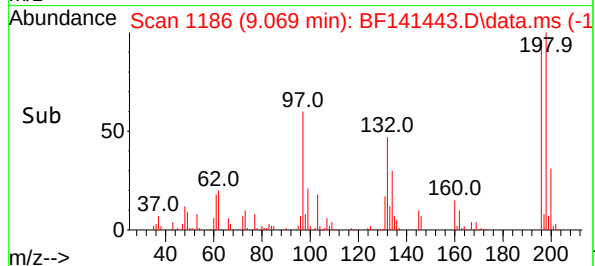
Instrument :
BNA_F
ClientSampleId :
PB166339BSD



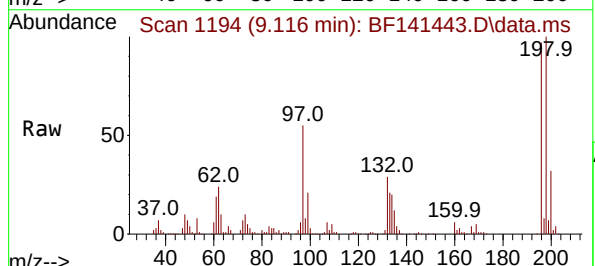
Tgt Ion:196 Resp: 132009
Ion Ratio Lower Upper
196 100
198 104.2 81.8 122.6
200 32.6 26.3 39.5

Manual Integrations
APPROVED

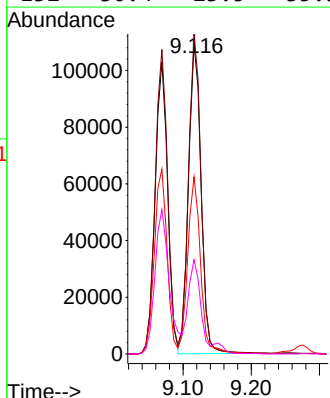
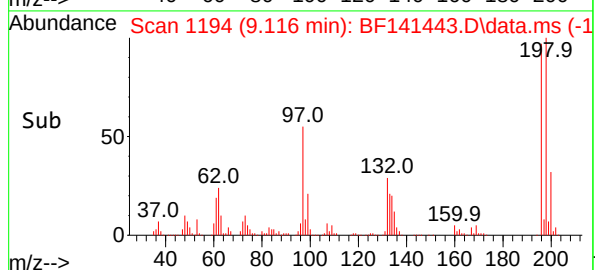
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

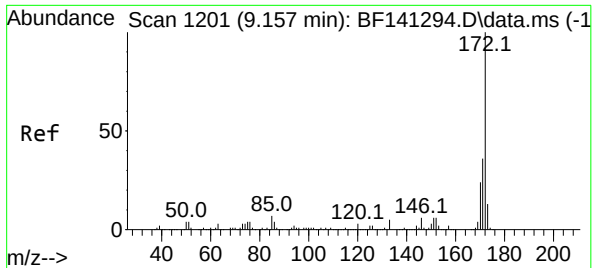


#44
2,4,5-Trichlorophenol
Concen: 46.752 ng
RT: 9.116 min Scan# 1194
Delta R.T. -0.000 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31



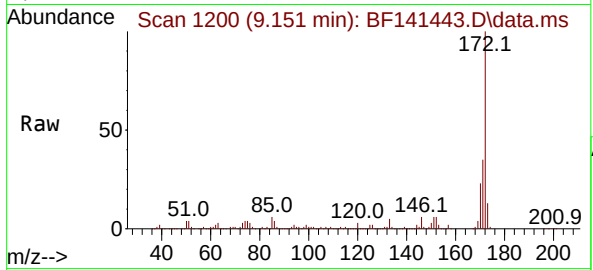
Tgt Ion:196 Resp: 139507
Ion Ratio Lower Upper
196 100
198 103.2 80.5 120.7
97 57.2 42.8 64.2
132 30.4 23.5 35.3





#45
2-Fluorobiphenyl
Concen: 93.364 ng
RT: 9.151 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

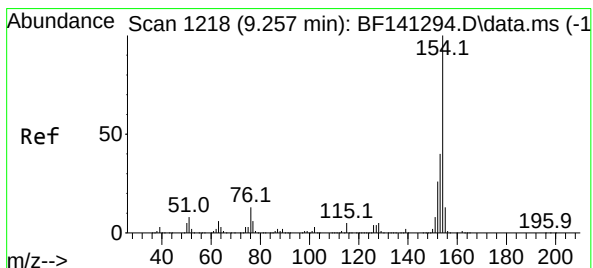
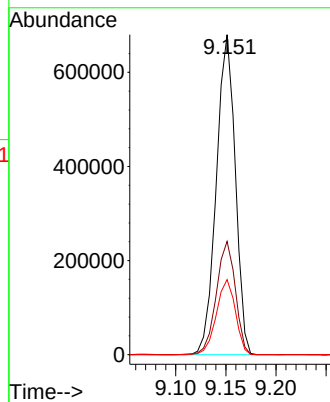
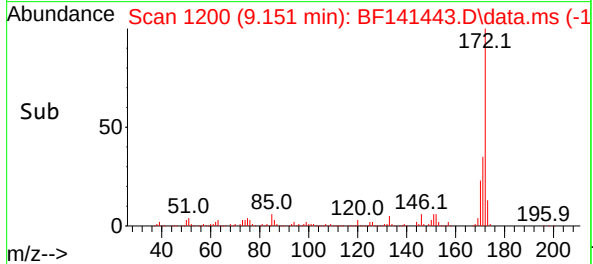
Instrument :
BNA_F
ClientSampleId :
PB166339BSD



Tgt Ion:172 Resp: 89309
Ion Ratio Lower Upper
172 100
171 35.4 28.8 43.2
170 23.4 19.0 28.6

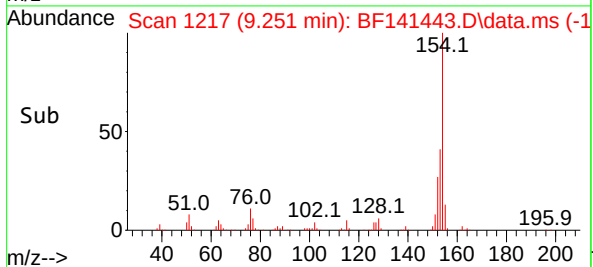
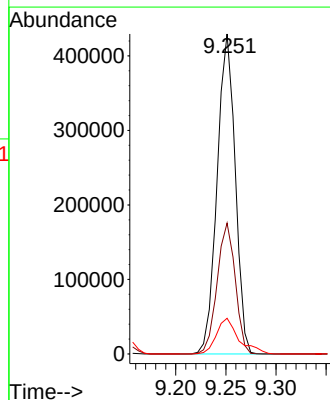
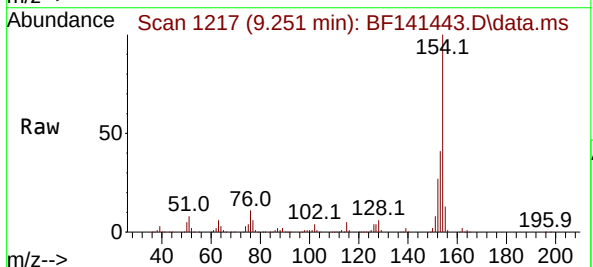
Manual Integrations
APPROVED

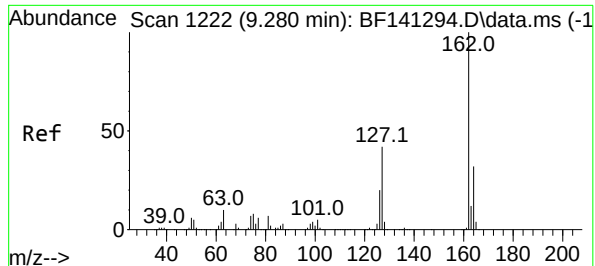
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#46
1,1'-Biphenyl
Concen: 46.812 ng
RT: 9.251 min Scan# 1217
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion:154 Resp: 537519
Ion Ratio Lower Upper
154 100
153 40.9 20.0 60.0
76 11.1 0.0 32.8





#47

2-Chloronaphthalene

Concen: 45.599 ng

RT: 9.275 min Scan# 1221

Delta R.T. -0.012 min

Lab File: BF141443.D

Acq: 05 Feb 2025 13:31

Instrument :

BNA_F

ClientSampleId :

PB166339BSD

Tgt Ion:162 Resp: 40811

Ion Ratio Lower Upper

162 100

127 42.9 33.7 50.5

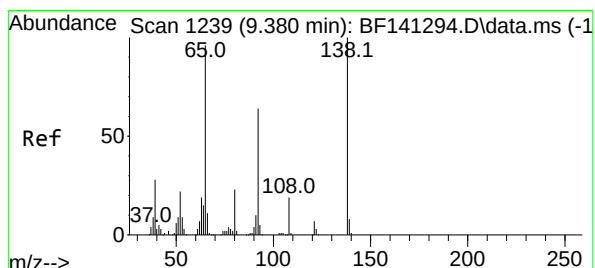
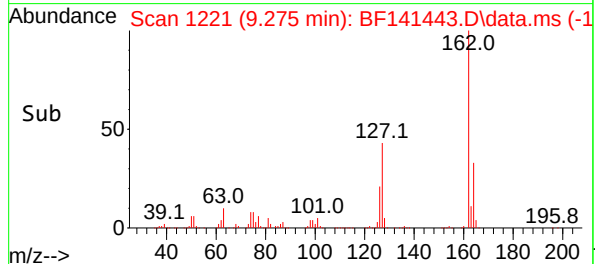
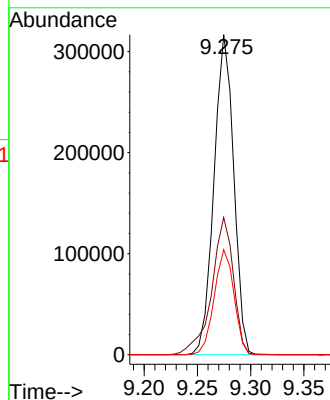
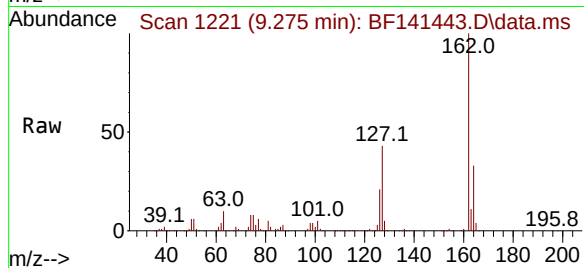
164 32.8 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#48

2-Nitroaniline

Concen: 49.666 ng

RT: 9.375 min Scan# 1238

Delta R.T. -0.006 min

Lab File: BF141443.D

Acq: 05 Feb 2025 13:31

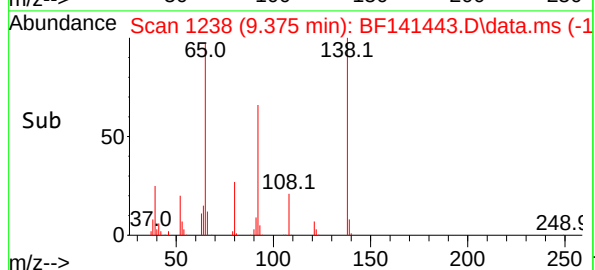
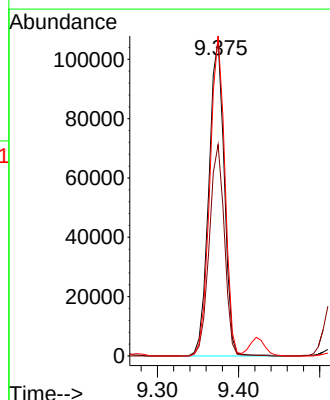
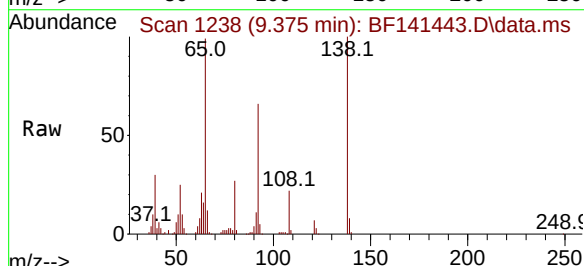
Tgt Ion: 65 Resp: 139818

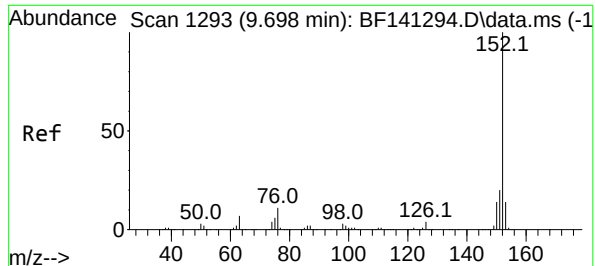
Ion Ratio Lower Upper

65 100

92 66.9 53.3 79.9

138 101.3 83.6 125.4





#49

Acenaphthylene

Concen: 49.994 ng

RT: 9.692 min Scan# 1293

Delta R.T. -0.012 min

Lab File: BF141443.D

Acq: 05 Feb 2025 13:31

Instrument :

BNA_F

ClientSampleId :

PB166339BSD

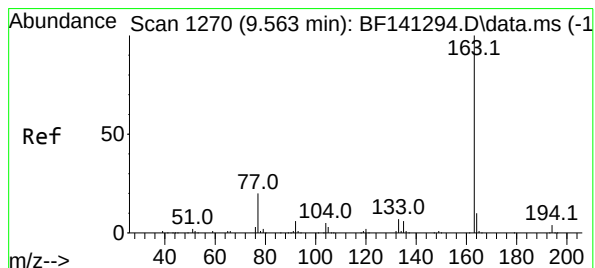
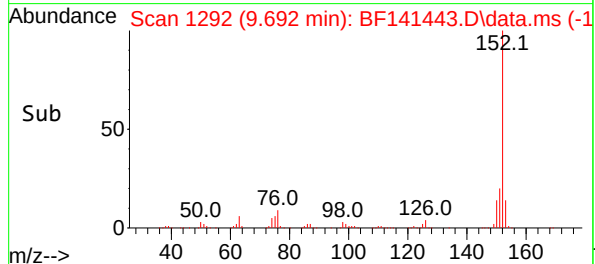
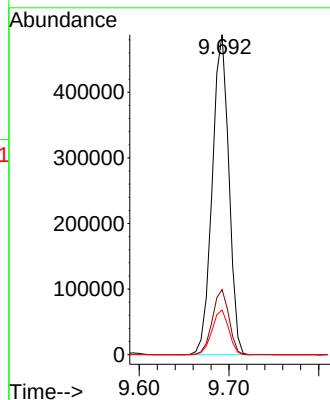
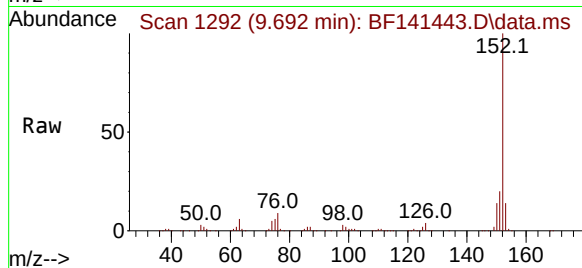
Tgt Ion:152	Resp: 626340
Ion Ratio	Lower Upper
152 100	
151 20.3	16.2 24.2
153 13.9	11.0 16.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#50

Dimethylphthalate

Concen: 48.629 ng

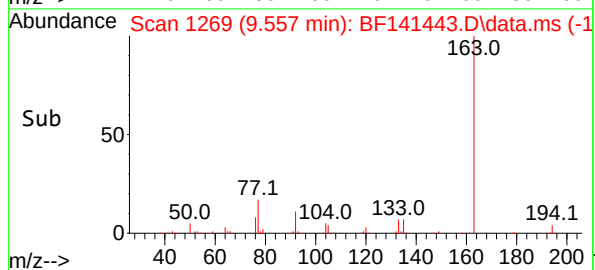
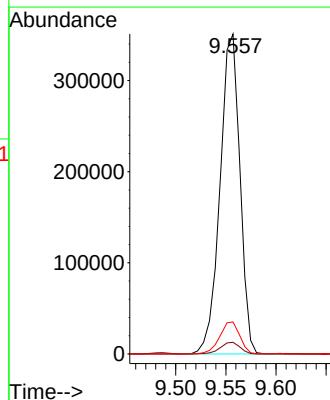
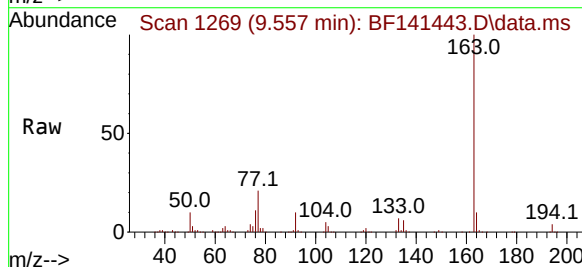
RT: 9.557 min Scan# 1269

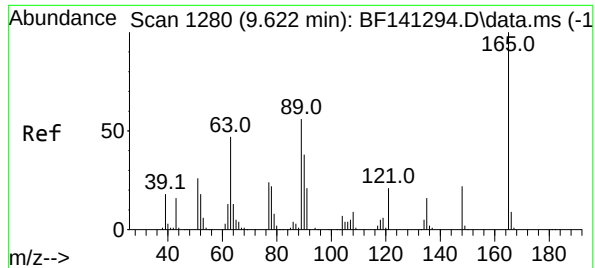
Delta R.T. -0.012 min

Lab File: BF141443.D

Acq: 05 Feb 2025 13:31

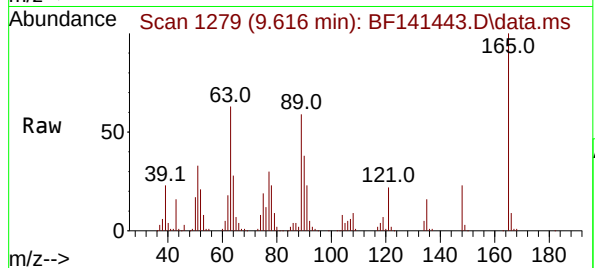
Tgt Ion:163	Resp: 483574
Ion Ratio	Lower Upper
163 100	
194 3.7	3.0 4.6
164 10.0	8.0 12.0





#51
2,6-Dinitrotoluene
Concen: 46.591 ng
RT: 9.616 min Scan# 1279
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

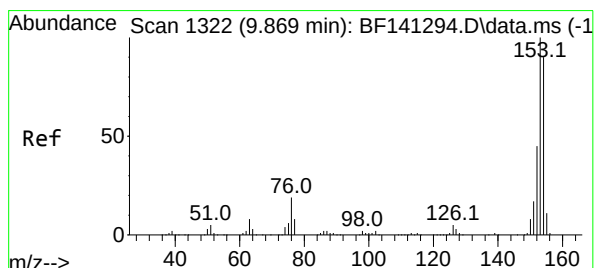
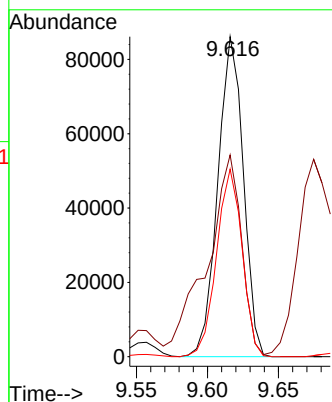
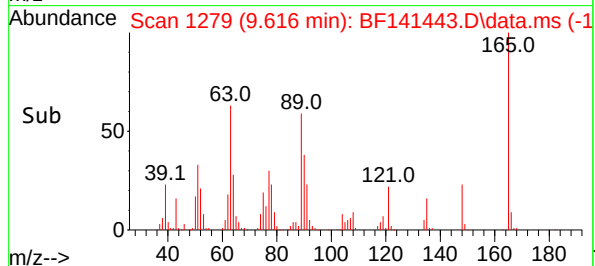
Instrument :
BNA_F
ClientSampleId :
PB166339BSD



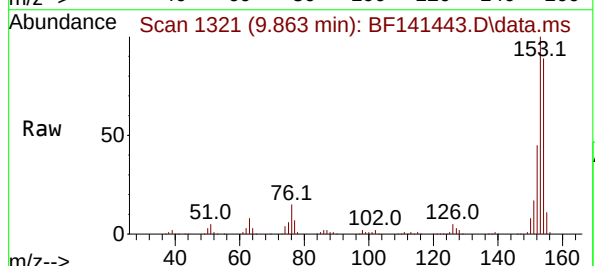
Tgt Ion:165 Resp: 107574
Ion Ratio Lower Upper
165 100
63 63.0 48.1 72.1
89 58.6 44.9 67.3

Manual Integrations
APPROVED

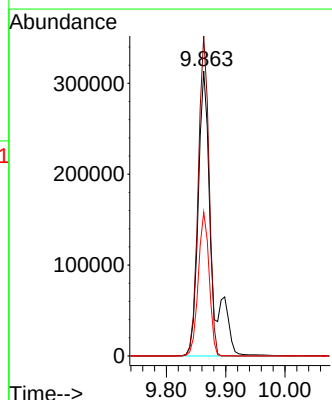
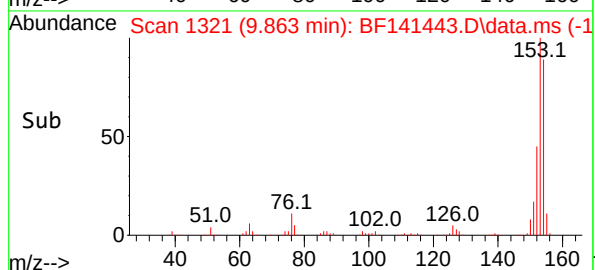
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

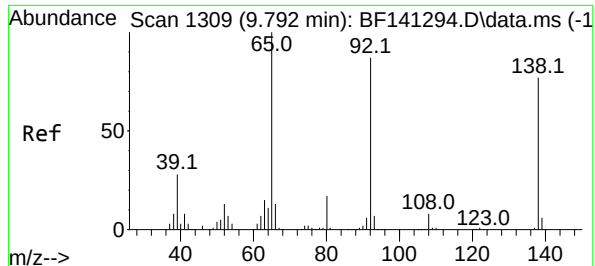


#52
Acenaphthene
Concen: 54.358 ng m
RT: 9.863 min Scan# 1321
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31



Tgt Ion:154 Resp: 486518
Ion Ratio Lower Upper
154 100
153 112.3 89.0 133.4
152 50.5 40.2 60.4





#53

3-Nitroaniline

Concen: 26.840 ng

RT: 9.786 min Scan# 1308

Delta R.T. -0.012 min

Lab File: BF141443.D

Acq: 05 Feb 2025 13:31

Instrument :

BNA_F

ClientSampleId :

PB166339BSD

Tgt Ion:138 Resp: 60739

Ion Ratio Lower Upper

138 100

108 10.7 8.6 12.8

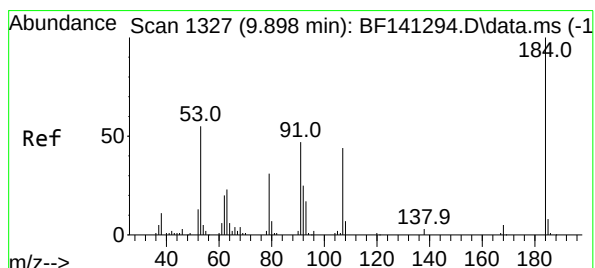
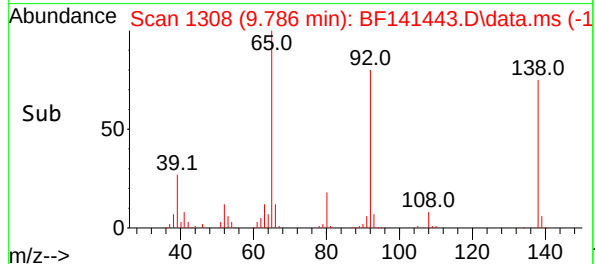
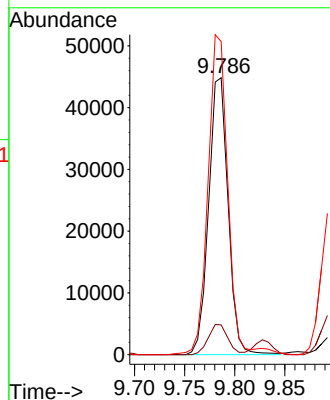
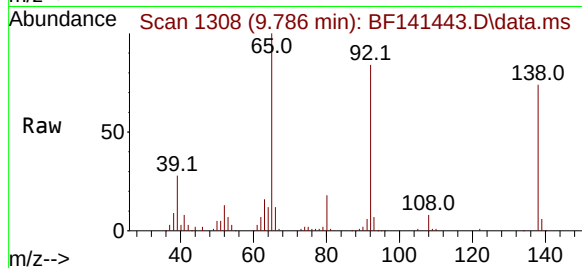
92 113.1 91.0 136.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#54

2,4-Dinitrophenol

Concen: 113.070 ng

RT: 9.898 min Scan# 1327

Delta R.T. -0.006 min

Lab File: BF141443.D

Acq: 05 Feb 2025 13:31

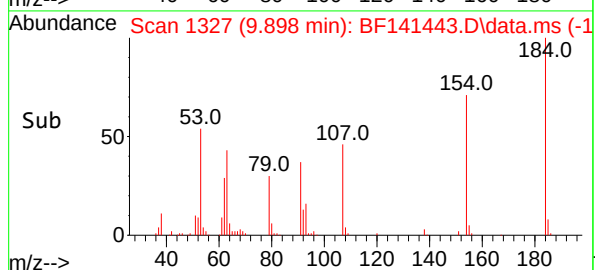
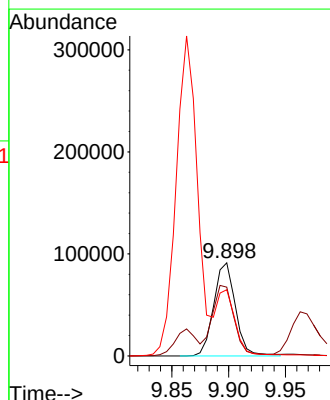
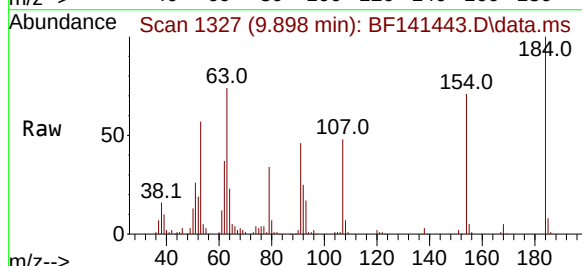
Tgt Ion:184 Resp: 121360

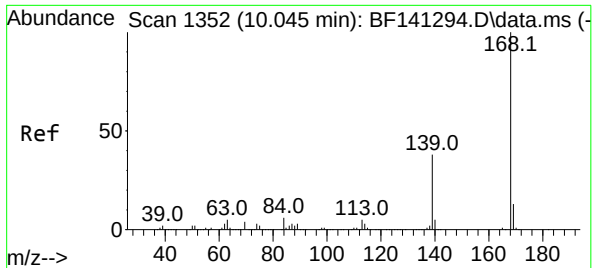
Ion Ratio Lower Upper

184 100

63 73.9 54.1 81.1

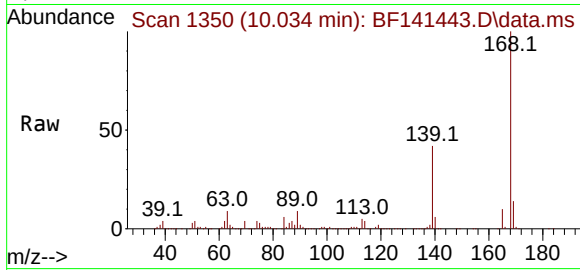
154 71.2 50.7 76.1





#55
Dibenzenofuran
Concen: 48.552 ng
RT: 10.034 min Scan# 1350
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

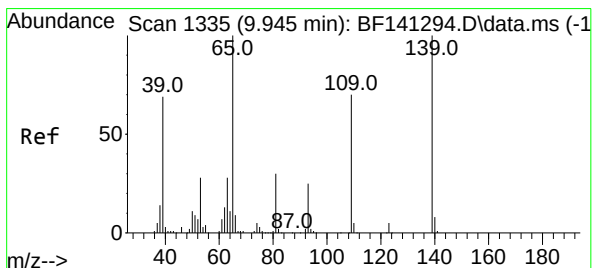
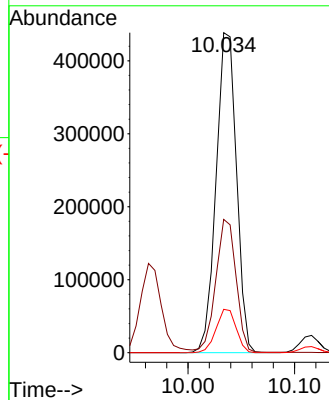
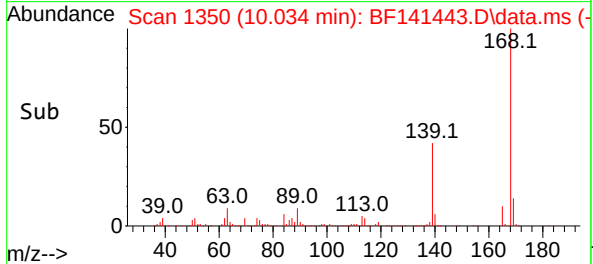
Instrument :
BNA_F
ClientSampleId :
PB166339BSD



Tgt Ion:168 Resp: 58167
Ion Ratio Lower Upper
168 100
139 41.7 30.6 46.0
169 13.6 10.8 16.2

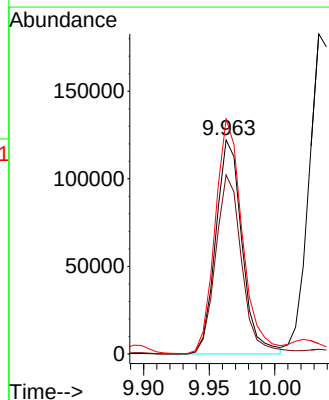
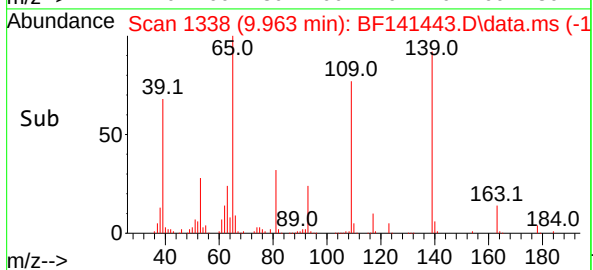
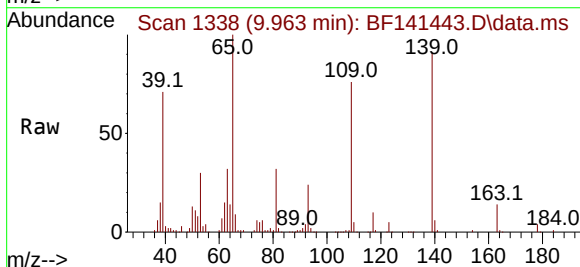
Manual Integrations
APPROVED

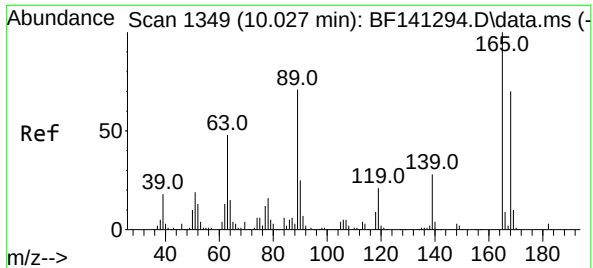
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#56
4-Nitrophenol
Concen: 102.622 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.006 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion:139 Resp: 169841
Ion Ratio Lower Upper
139 100
109 83.6 50.2 90.2
65 109.7 80.6 120.6





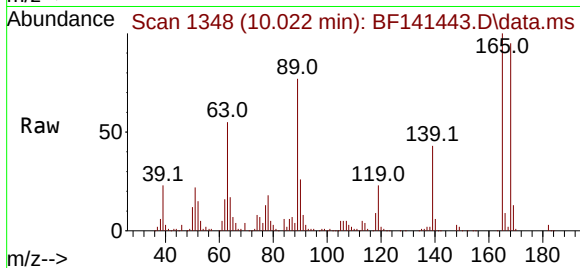
#57
2,4-Dinitrotoluene
Concen: 50.041 ng
RT: 10.022 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Instrument :

BNA_F

ClientSampleId :

PB166339BSD

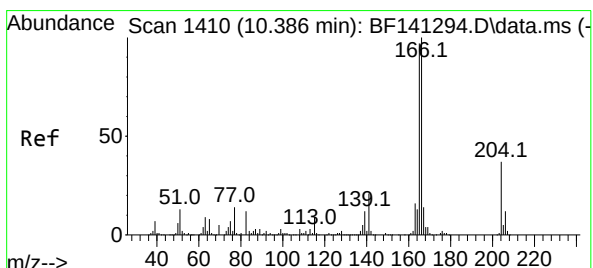
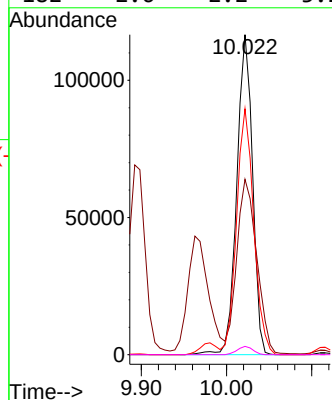
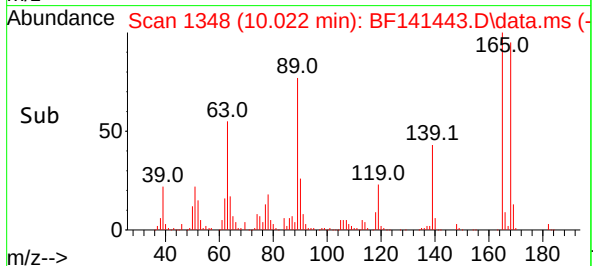


Tgt Ion:165 Resp: 149591
Ion Ratio Lower Upper
165 100
63 54.8 39.2 58.8
89 76.9 56.9 85.3
182 2.6 2.2 3.2

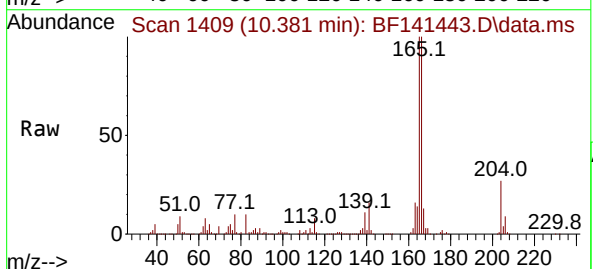
Manual Integrations

APPROVED

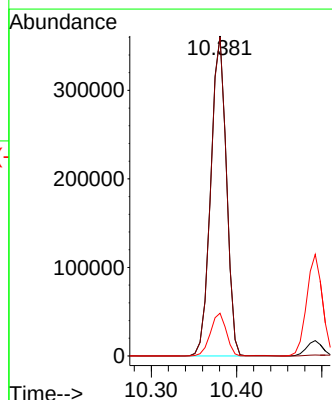
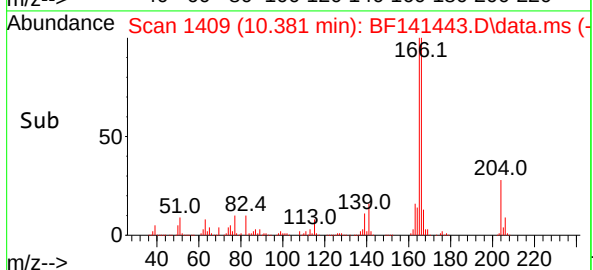
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

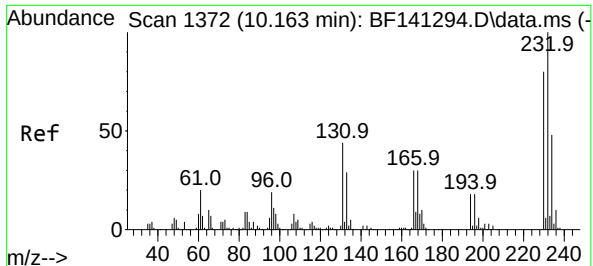


#58
Fluorene
Concen: 49.478 ng
RT: 10.381 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31



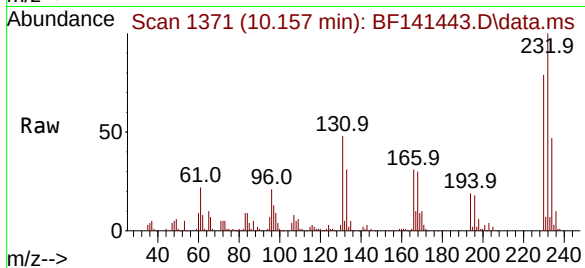
Tgt Ion:166 Resp: 459804
Ion Ratio Lower Upper
166 100
165 99.7 77.5 116.3
167 13.4 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 53.434 ng
RT: 10.157 min Scan# 1371
Delta R.T. -0.006 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

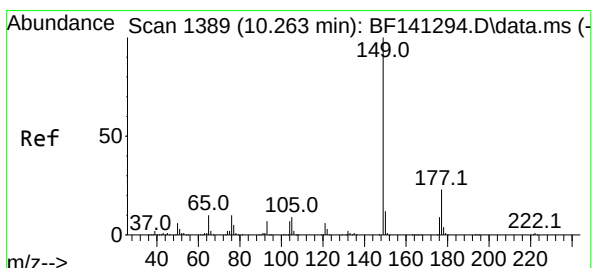
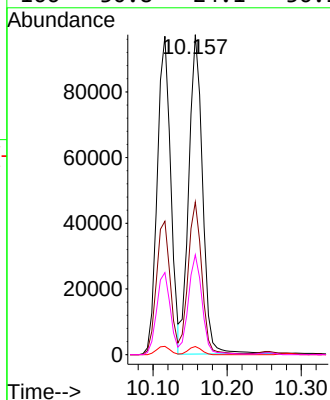
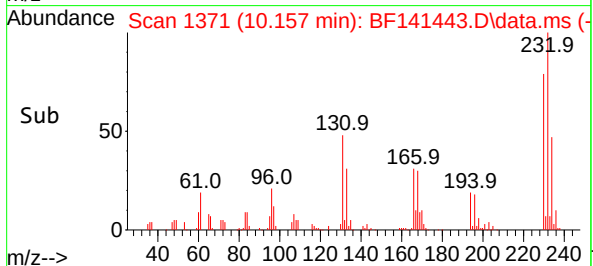
Instrument :
BNA_F
ClientSampleId :
PB166339BSD



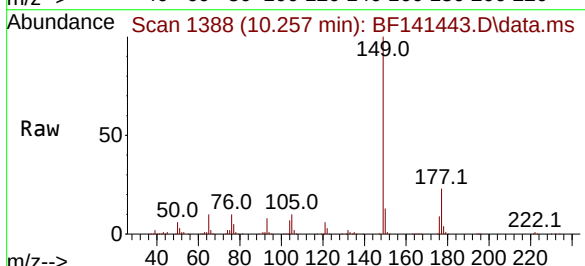
Tgt Ion:232 Resp: 12543
Ion Ratio Lower Upper
232 100
131 48.0 36.4 54.6
130 2.5 1.9 2.9
166 30.8 24.1 36.1

Manual Integrations
APPROVED

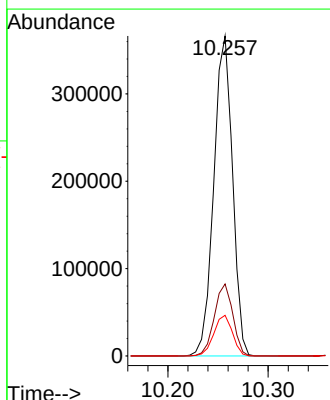
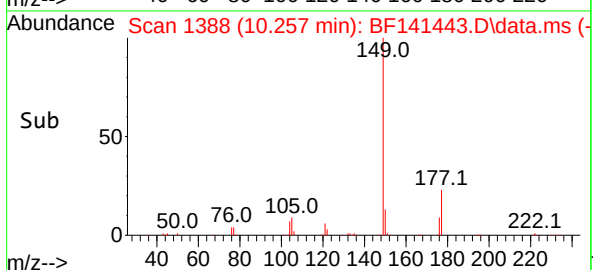
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

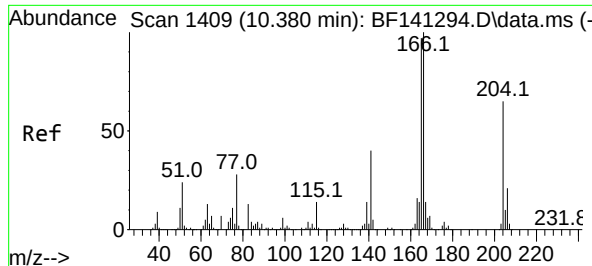


#60
Diethylphthalate
Concen: 49.239 ng
RT: 10.257 min Scan# 1388
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31



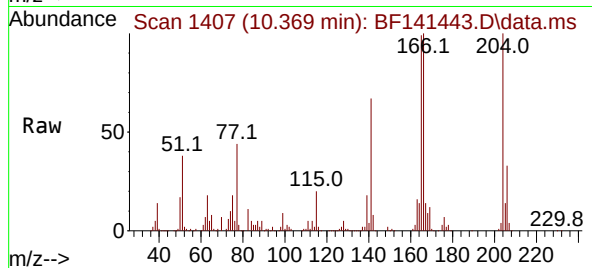
Tgt Ion:149 Resp: 474765
Ion Ratio Lower Upper
149 100
177 22.5 18.5 27.7
150 12.7 10.0 15.0





#61
4-Chlorophenyl-phenylether
Concen: 49.199 ng
RT: 10.369 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

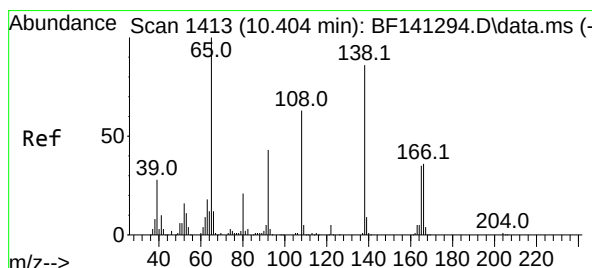
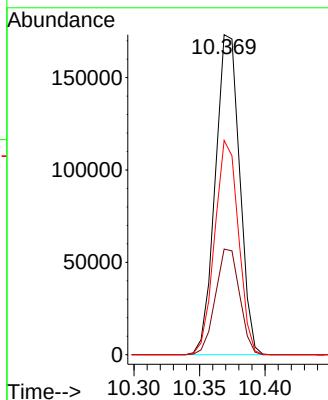
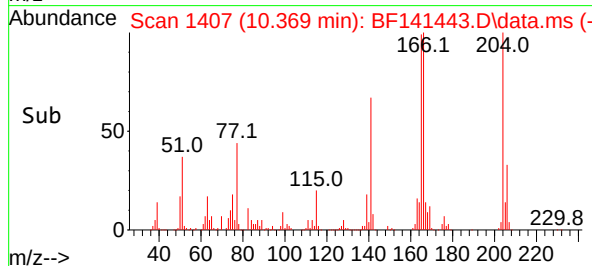
Instrument :
BNA_F
ClientSampleId :
PB166339BSD



Tgt Ion:204 Resp: 22333
Ion Ratio Lower Upper
204 100
206 33.0 25.9 38.9
141 66.9 49.5 74.3

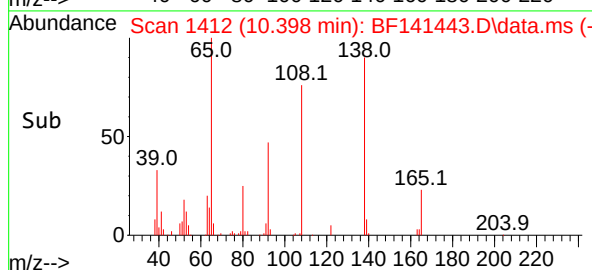
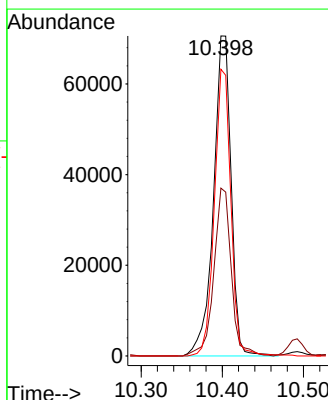
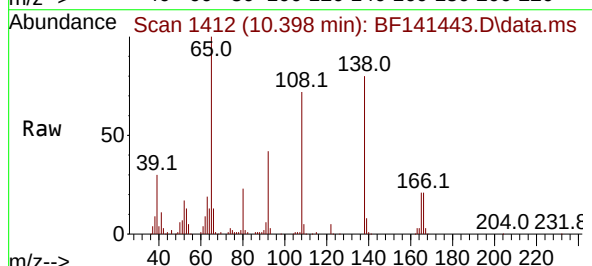
Manual Integrations
APPROVED

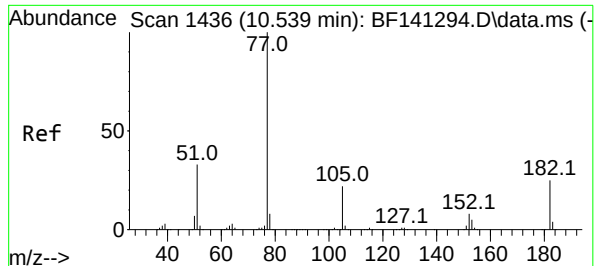
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#62
4-Nitroaniline
Concen: 47.972 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.018 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

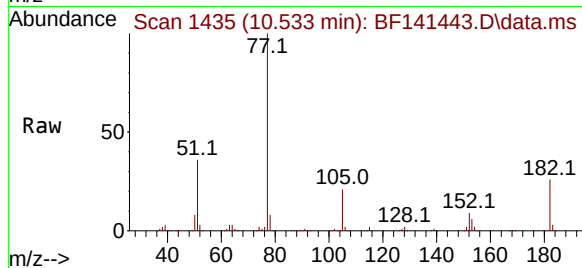
Tgt Ion:138 Resp: 106731
Ion Ratio Lower Upper
138 100
92 52.4 30.1 70.1
108 89.6 53.1 93.1





#63
Azobenzene
Concen: 47.878 ng
RT: 10.533 min Scan# 1436
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

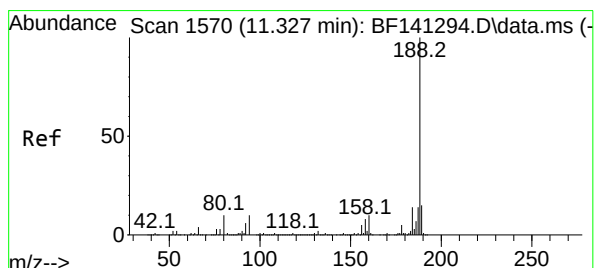
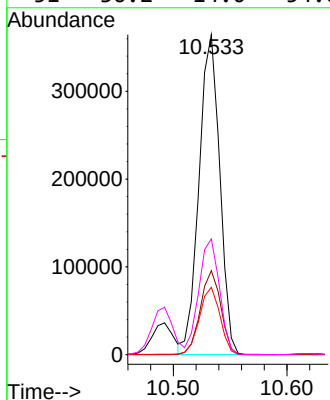
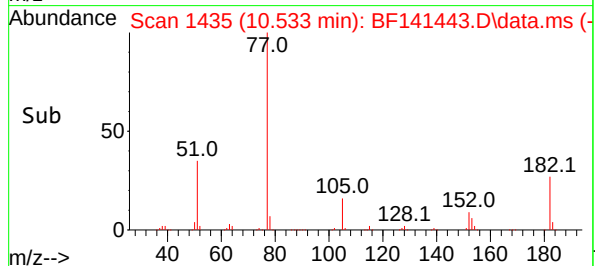
Instrument :
BNA_F
ClientSampleId :
PB166339BSD



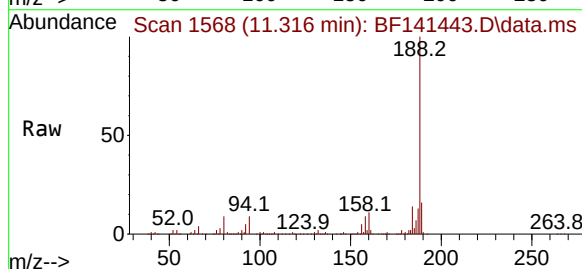
Tgt Ion: 77 Resp: 462094
Ion Ratio Lower Upper
77 100
182 26.3 5.1 45.1
105 21.1 1.8 41.8
51 36.2 14.0 54.0

Manual Integrations
APPROVED

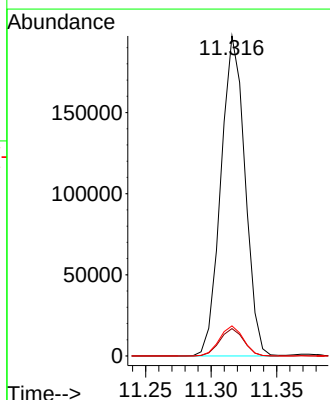
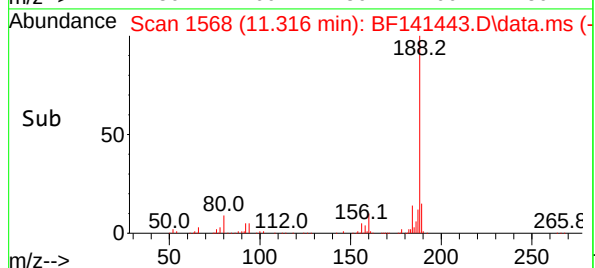
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

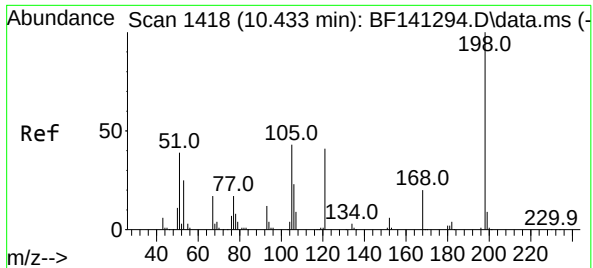


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31



Tgt Ion:188 Resp: 252391
Ion Ratio Lower Upper
188 100
94 8.6 7.8 11.6
80 9.4 8.2 12.4





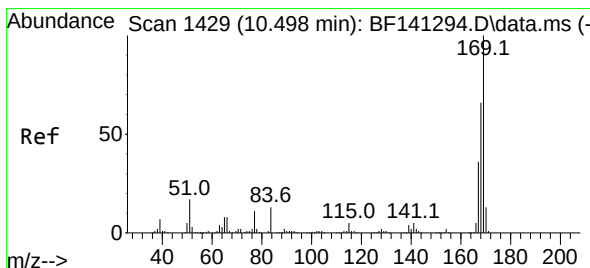
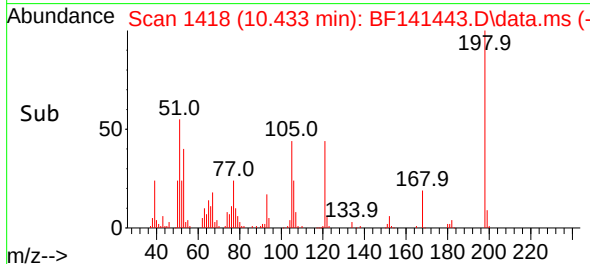
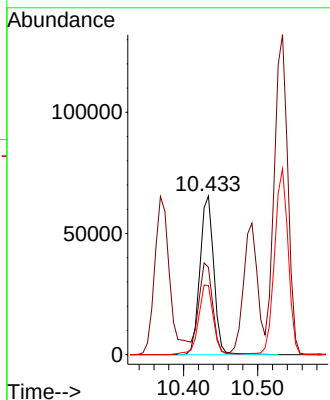
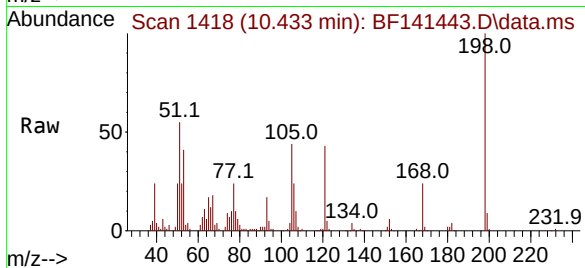
#65
4,6-Dinitro-2-methylphenol
Concen: 56.995 ng
RT: 10.433 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Instrument :
BNA_F
ClientSampleId :
PB166339BSD

Tgt Ion:198 Resp: 8508
Ion Ratio Lower Upper
198 100
51 55.0 33.4 73.4
105 43.5 24.4 64.4

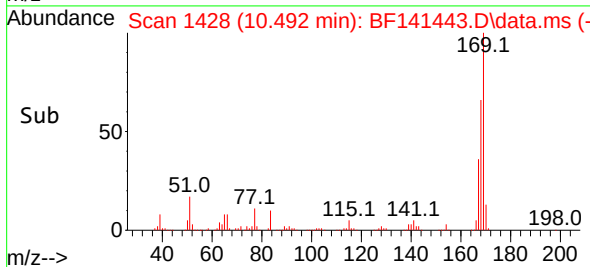
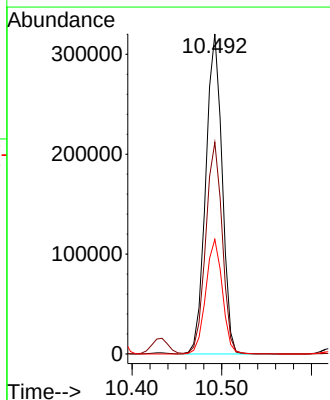
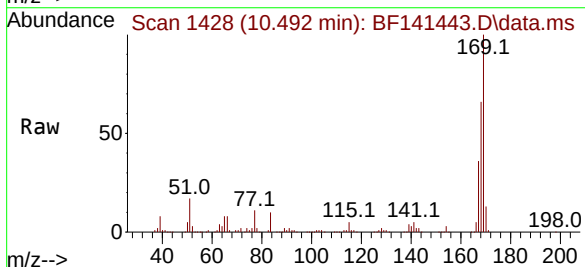
Manual Integrations
APPROVED

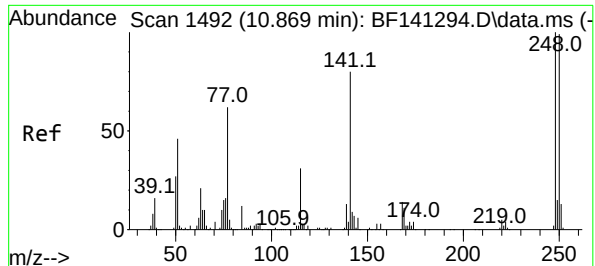
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#66
n-Nitrosodiphenylamine
Concen: 49.620 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

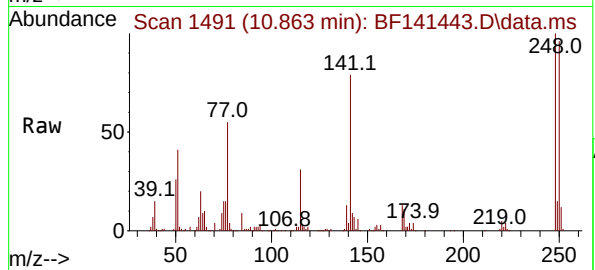
Tgt Ion:169 Resp: 405060
Ion Ratio Lower Upper
169 100
168 66.2 53.0 79.4
167 35.8 28.8 43.2





#67
4-Bromophenyl-phenylether
Concen: 48.903 ng
RT: 10.863 min Scan# 1491
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

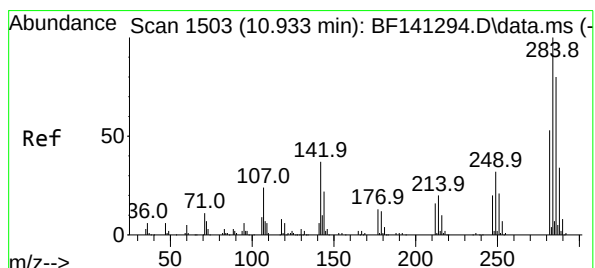
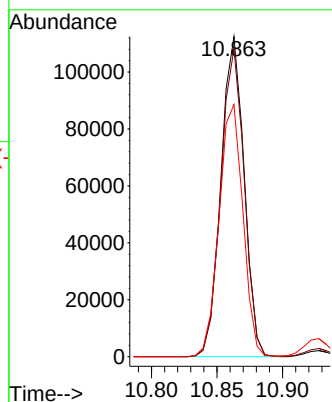
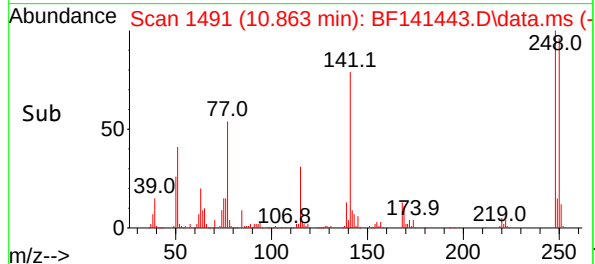
Instrument :
BNA_F
ClientSampleId :
PB166339BSD



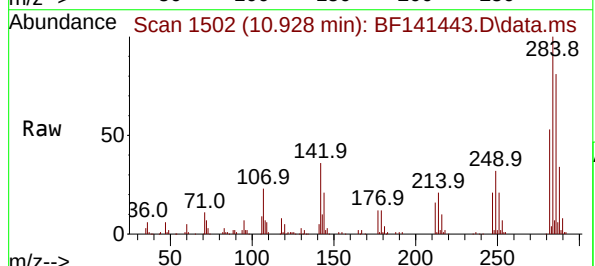
Tgt Ion:248 Resp: 138180
Ion Ratio Lower Upper
248 100
250 96.2 79.0 118.4
141 78.8 63.7 95.5

Manual Integrations
APPROVED

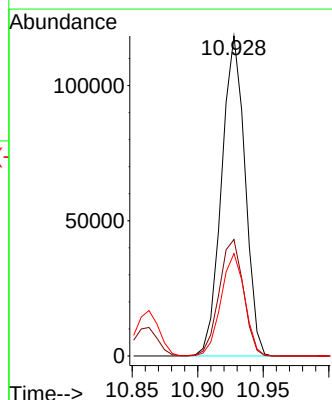
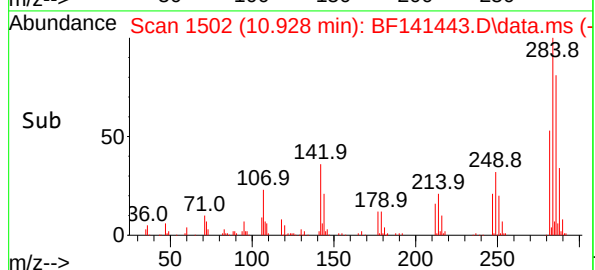
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

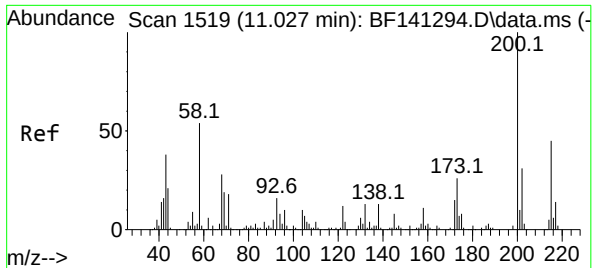


#68
Hexachlorobenzene
Concen: 49.019 ng
RT: 10.928 min Scan# 1502
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31



Tgt Ion:284 Resp: 146924
Ion Ratio Lower Upper
284 100
142 36.4 29.5 44.3
249 32.0 25.4 38.2





#69

Atrazine

Concen: 52.117 ng

RT: 11.022 min Scan# 1519

Delta R.T. -0.012 min

Lab File: BF141443.D

Acq: 05 Feb 2025 13:31

Instrument :

BNA_F

ClientSampleId :

PB166339BSD

Tgt Ion:200 Resp: 14224

Ion Ratio Lower Upper

200 100

173 24.4 5.9 45.9

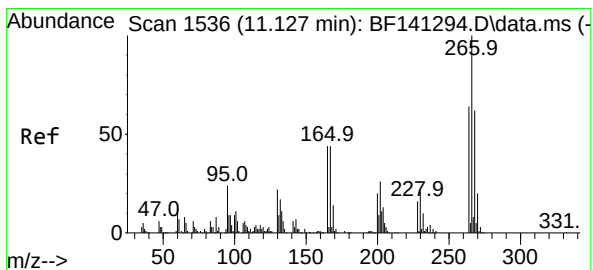
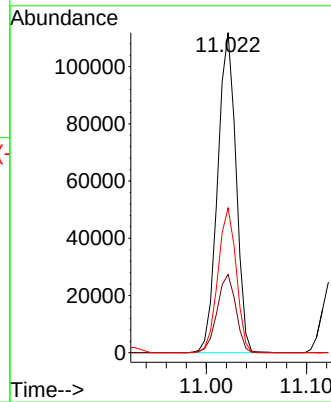
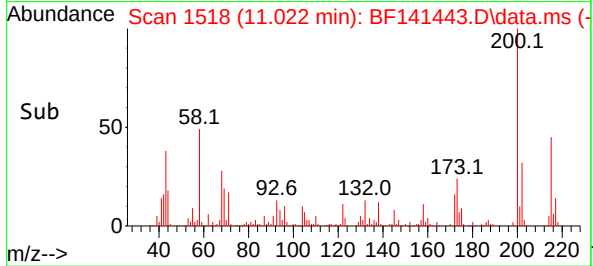
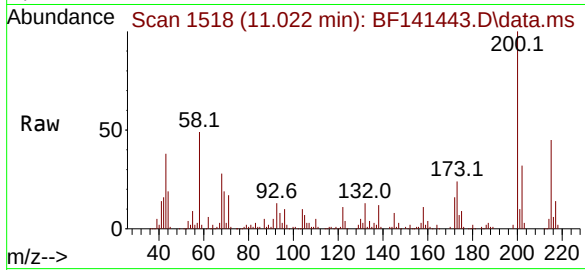
215 45.2 25.2 65.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#70

Pentachlorophenol

Concen: 101.496 ng

RT: 11.128 min Scan# 1536

Delta R.T. -0.006 min

Lab File: BF141443.D

Acq: 05 Feb 2025 13:31

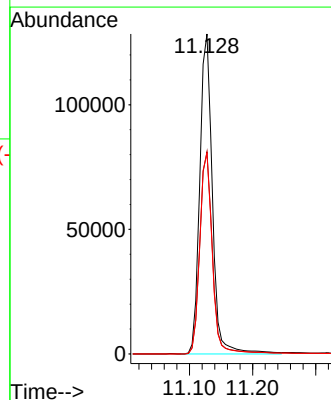
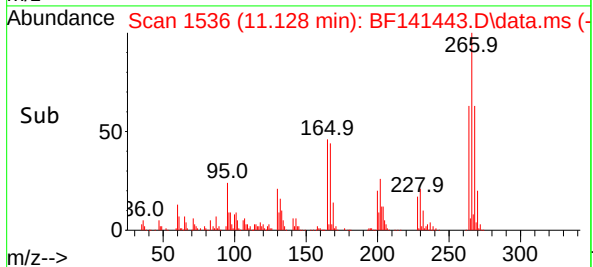
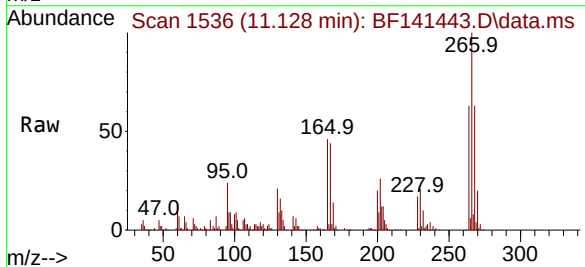
Tgt Ion:266 Resp: 178140

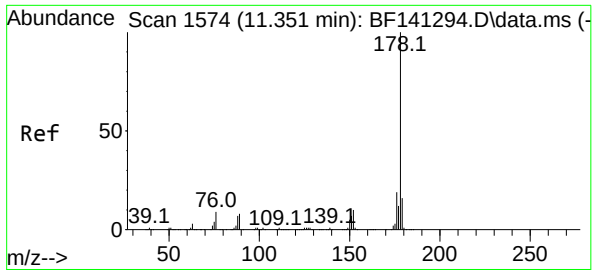
Ion Ratio Lower Upper

266 100

268 63.1 49.9 74.9

264 62.8 51.0 76.4





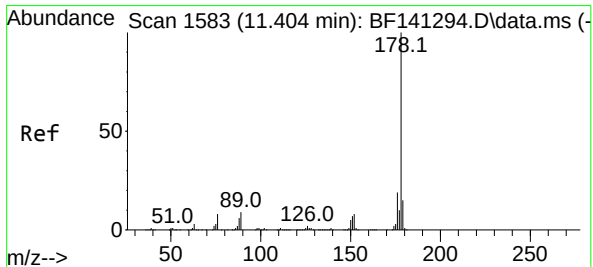
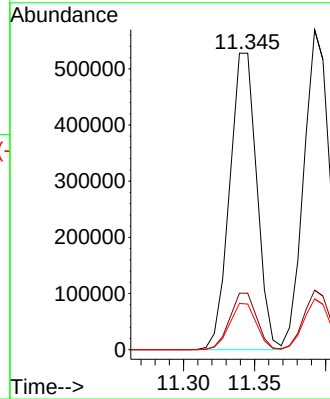
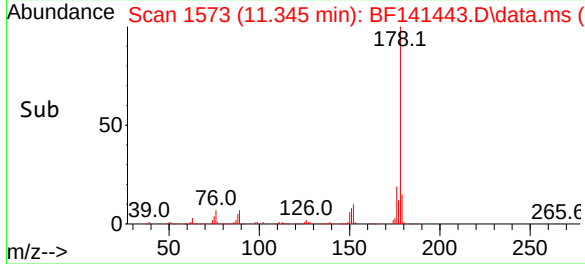
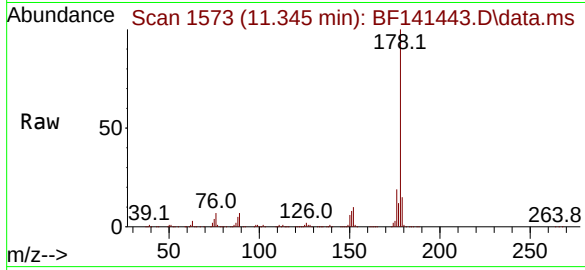
#71
Phenanthrene
Concen: 51.836 ng
RT: 11.345 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Instrument :
BNA_F
ClientSampleId :
PB166339BSD

Tgt Ion:178 Resp: 70326
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.4 12.5 18.7

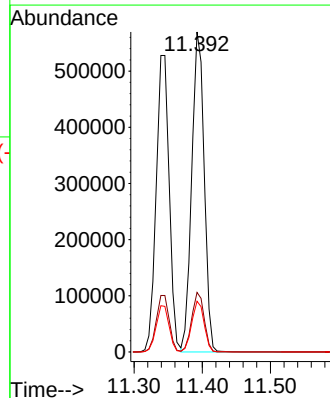
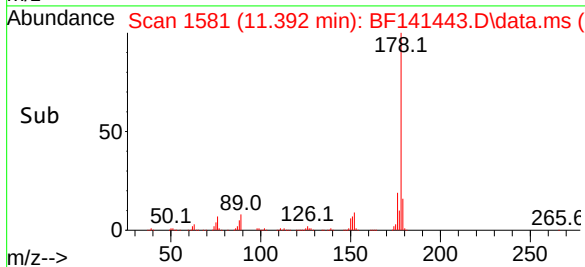
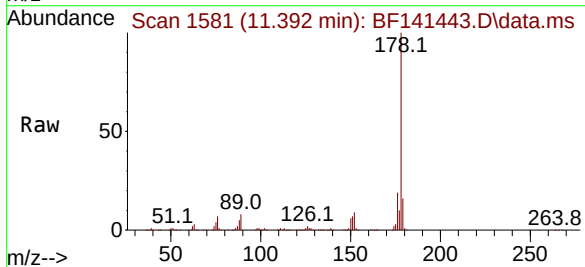
Manual Integrations
APPROVED

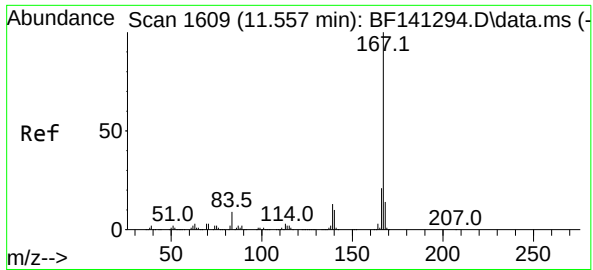
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#72
Anthracene
Concen: 54.065 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

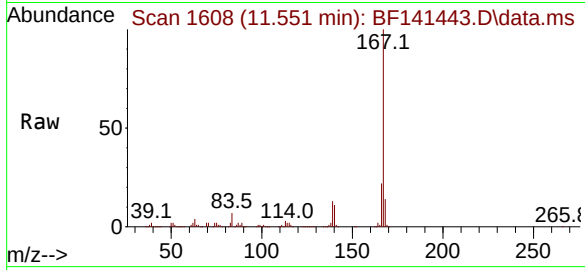
Tgt Ion:178 Resp: 718705
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.6
179 15.8 12.3 18.5





#73
 Carbazole
 Concen: 53.128 ng
 RT: 11.551 min Scan# 1608
 Delta R.T. -0.006 min
 Lab File: BF141443.D
 Acq: 05 Feb 2025 13:31

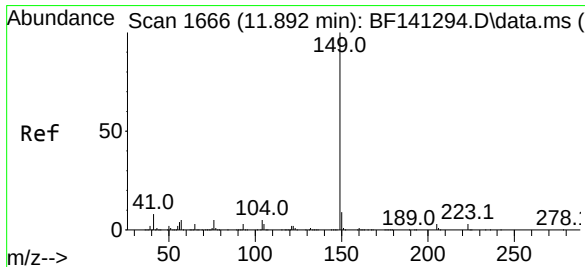
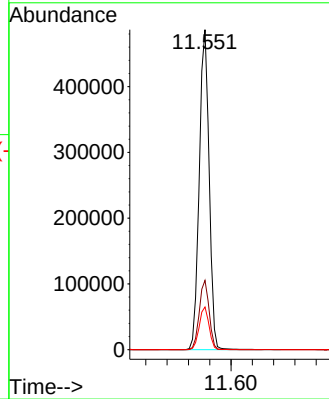
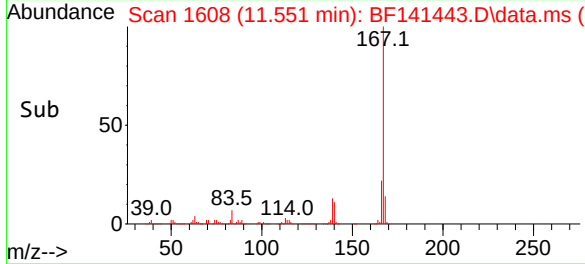
Instrument :
 BNA_F
 ClientSampleId :
 PB166339BSD



Tgt Ion:167 Resp: 626248
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.0 25.6
 139 13.3 10.6 16.0

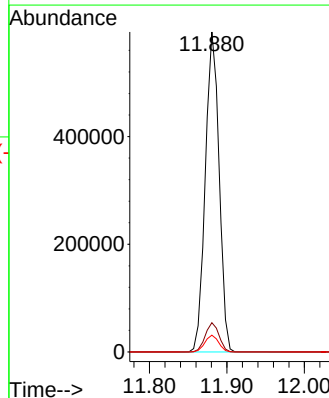
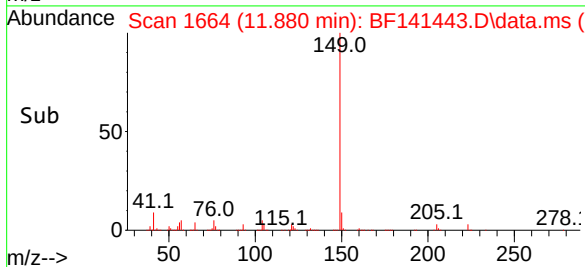
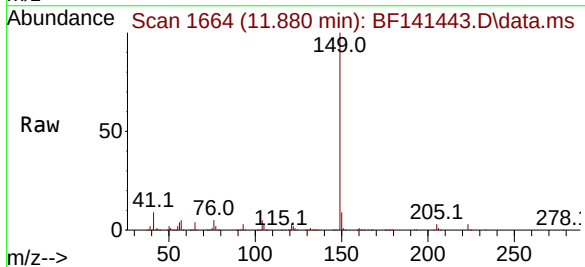
Manual Integrations
 APPROVED

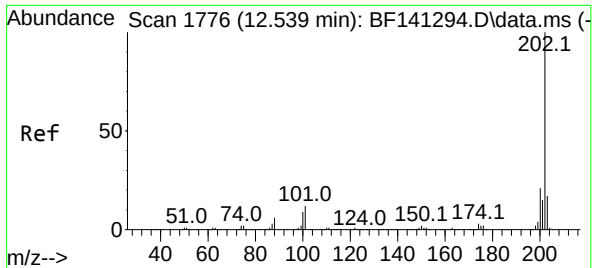
Reviewed By :Yogesh Patel 02/06/2025
 Supervised By :mohammad ahmed 02/06/2025



#74
 Di-n-butylphthalate
 Concen: 51.430 ng
 RT: 11.880 min Scan# 1664
 Delta R.T. -0.012 min
 Lab File: BF141443.D
 Acq: 05 Feb 2025 13:31

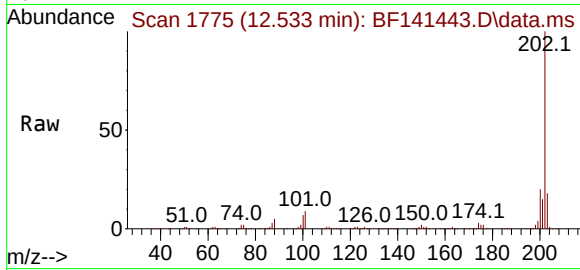
Tgt Ion:149 Resp: 734688
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.4 11.2
 104 5.3 3.9 5.9





#75
Fluoranthene
Concen: 55.263 ng
RT: 12.533 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

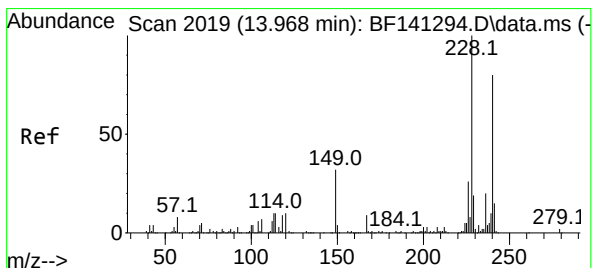
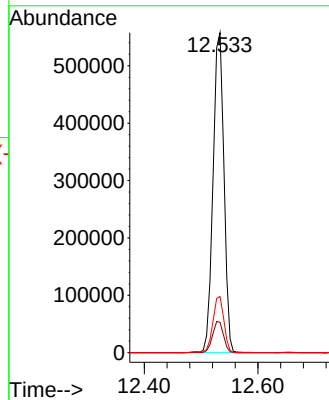
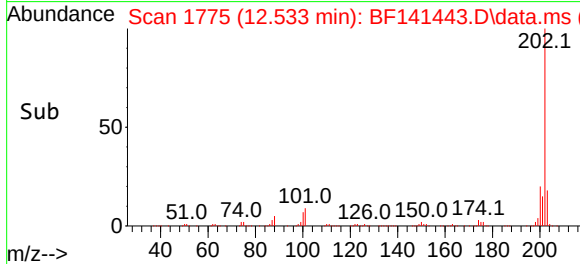
Instrument :
BNA_F
ClientSampleId :
PB166339BSD



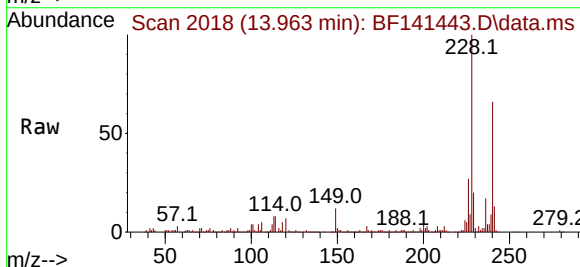
Tgt Ion:202 Resp: 740295
Ion Ratio Lower Upper
202 100
101 9.5 0.0 31.7
203 17.6 0.0 37.5

Manual Integrations
APPROVED

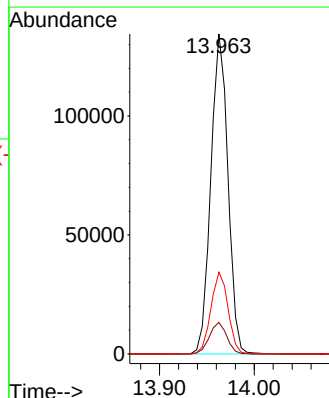
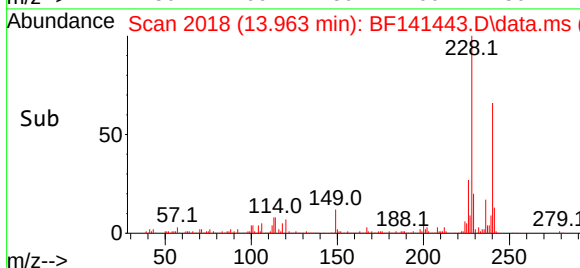
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

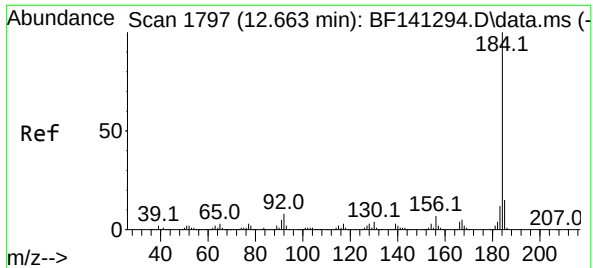


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31



Tgt Ion:240 Resp: 168766
Ion Ratio Lower Upper
240 100
120 9.8 10.0 15.0#
236 25.5 19.7 29.5





#77

Benzidine

Concen: 28.169 ng

RT: 12.651 min Scan# 1795

Delta R.T. -0.012 min

Lab File: BF141443.D

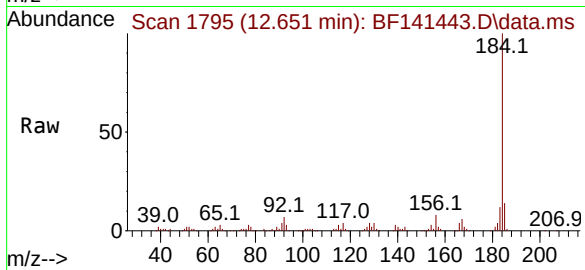
Acq: 05 Feb 2025 13:31

Instrument :

BNA_F

ClientSampleId :

PB166339BSD



Tgt Ion:184 Resp: 15240

Ion Ratio Lower Upper

184 100

185 13.9 11.9 17.9

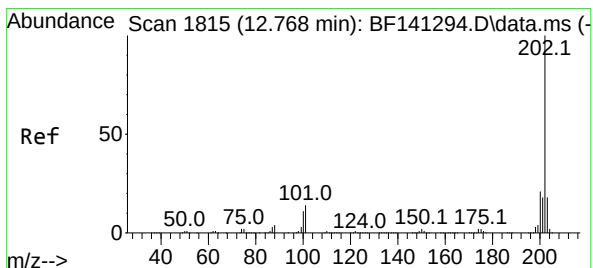
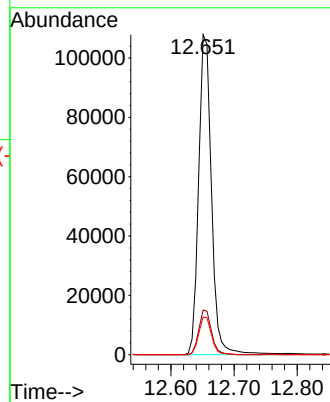
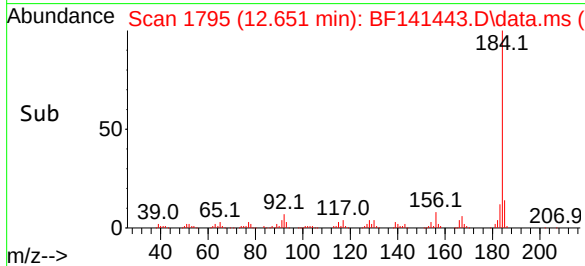
183 11.7 9.5 14.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#78

Pyrene

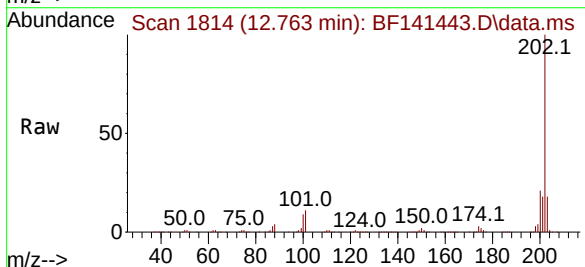
Concen: 46.455 ng

RT: 12.763 min Scan# 1814

Delta R.T. -0.006 min

Lab File: BF141443.D

Acq: 05 Feb 2025 13:31



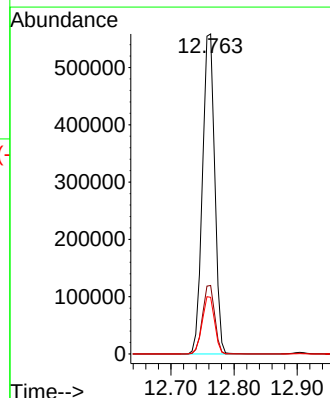
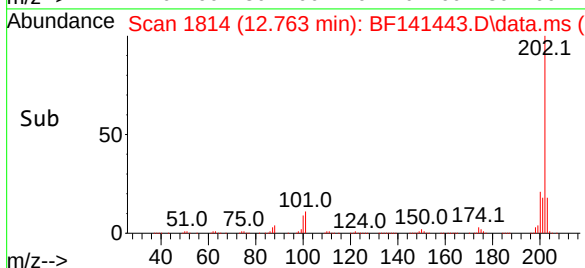
Tgt Ion:202 Resp: 752575

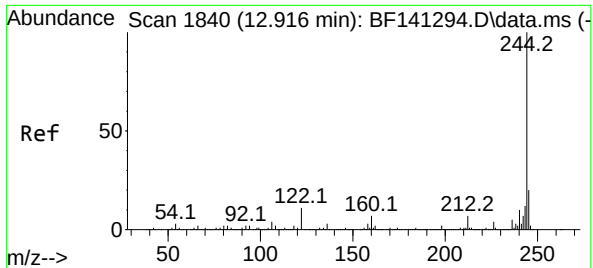
Ion Ratio Lower Upper

202 100

200 21.4 17.0 25.4

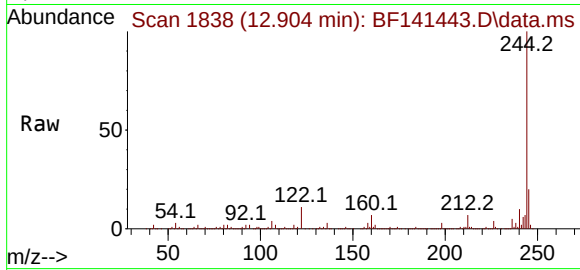
203 17.7 14.3 21.5





#79
Terphenyl-d14
Concen: 96.452 ng
RT: 12.904 min Scan# 1838
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

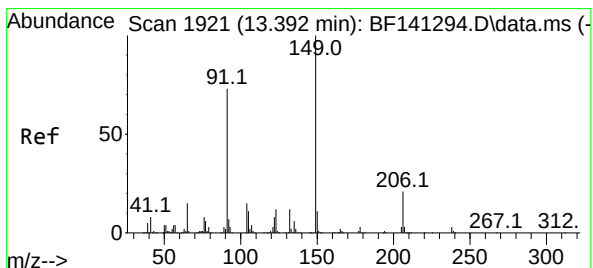
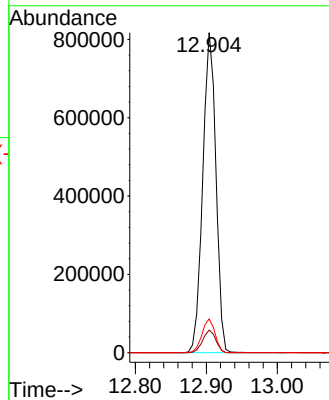
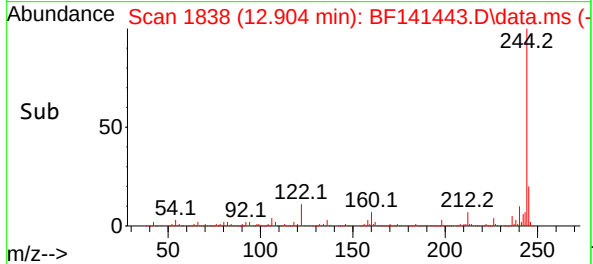
Instrument :
BNA_F
ClientSampleId :
PB166339BSD



Tgt Ion:244 Resp: 1055500
Ion Ratio Lower Upper
244 100
212 7.1 5.4 8.0
122 10.6 8.8 13.2

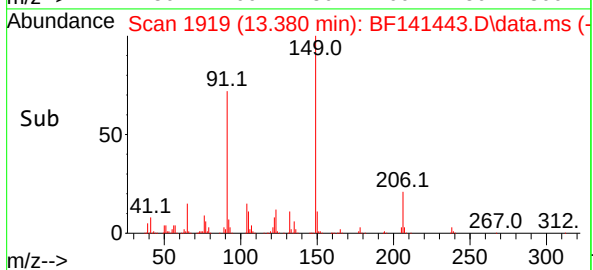
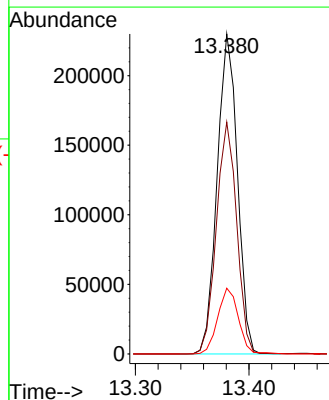
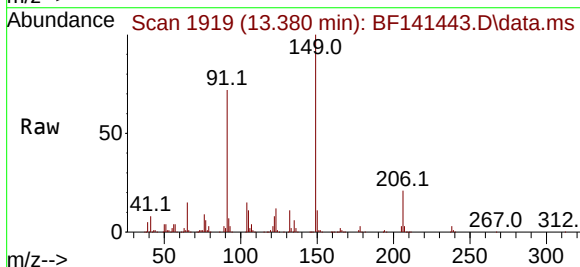
Manual Integrations
APPROVED

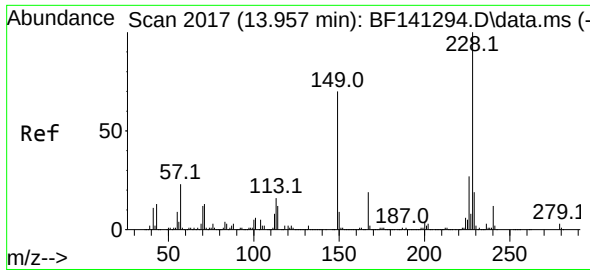
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#80
Butylbenzylphthalate
Concen: 50.487 ng
RT: 13.380 min Scan# 1919
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

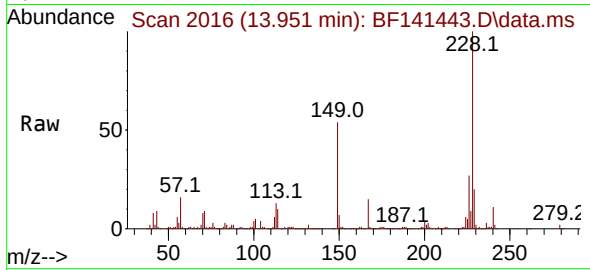
Tgt Ion:149 Resp: 285734
Ion Ratio Lower Upper
149 100
91 72.4 58.6 87.8
206 20.5 16.7 25.1





#81
Benzo(a)anthracene
Concen: 47.170 ng
RT: 13.951 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

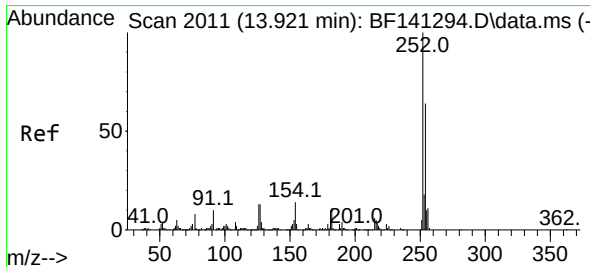
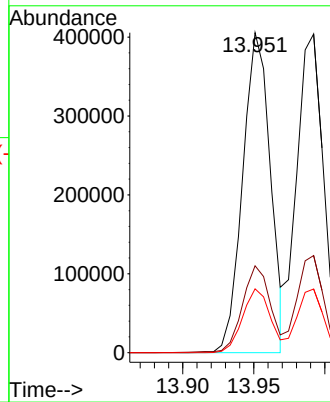
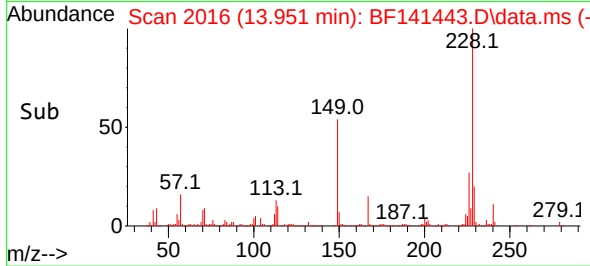
Instrument :
BNA_F
ClientSampleId :
PB166339BSD



Tgt Ion:228 Resp: 54933
Ion Ratio Lower Upper
228 100
226 27.1 21.4 32.2
229 19.9 15.5 23.3

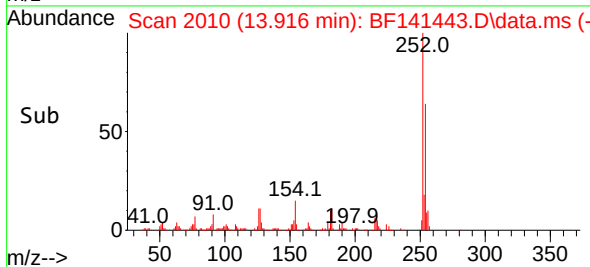
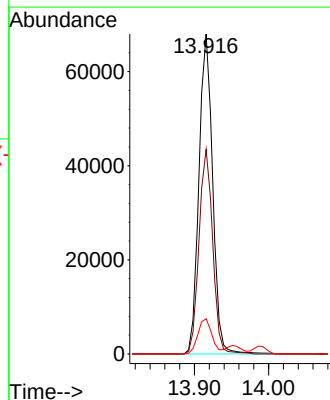
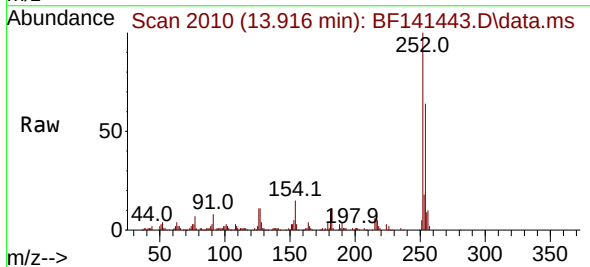
Manual Integrations
APPROVED

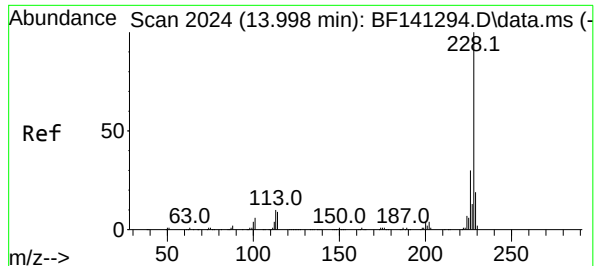
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#82
3,3'-Dichlorobenzidine
Concen: 23.538 ng
RT: 13.916 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion:252 Resp: 87185
Ion Ratio Lower Upper
252 100
254 64.0 51.3 76.9
126 11.0 10.0 15.0





#83

Chrysene

Concen: 49.241 ng

RT: 13.992 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF141443.D

Acq: 05 Feb 2025 13:31

Instrument :

BNA_F

ClientSampleId :

PB166339BSD

Tgt Ion:228 Resp: 525550

Ion Ratio Lower Upper

228 100

226 30.5 24.1 36.1

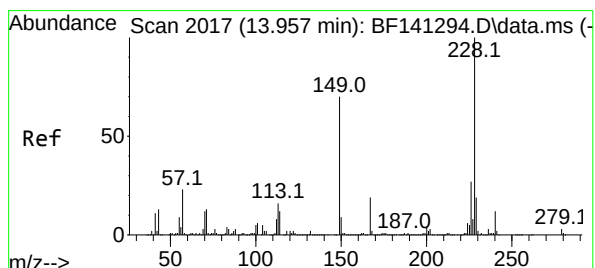
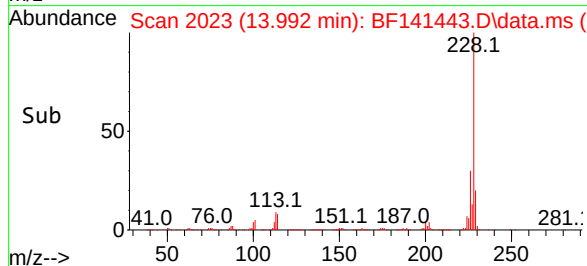
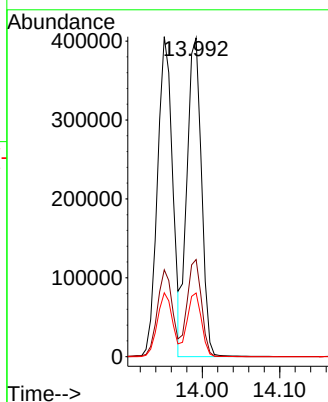
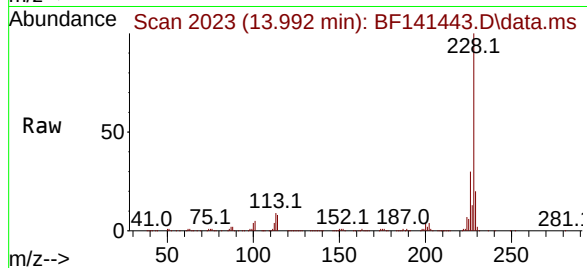
229 20.0 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 50.053 ng

RT: 13.945 min Scan# 2015

Delta R.T. -0.012 min

Lab File: BF141443.D

Acq: 05 Feb 2025 13:31

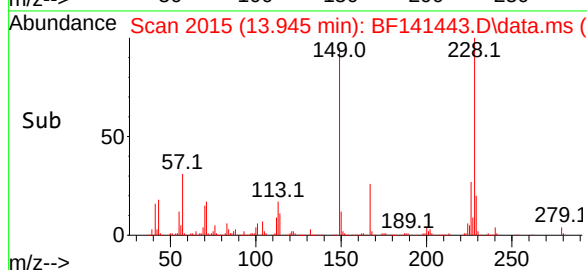
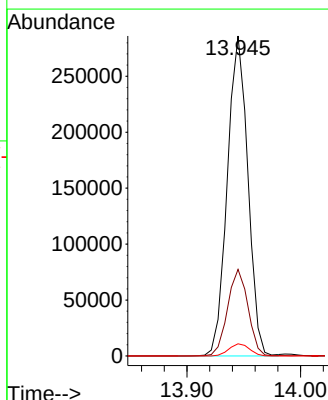
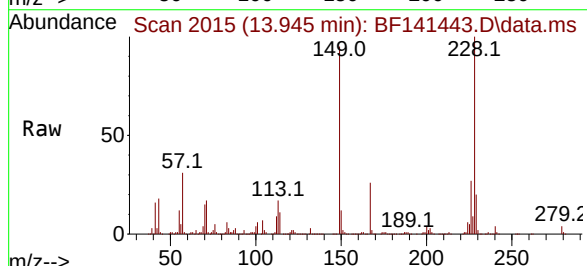
Tgt Ion:149 Resp: 359351

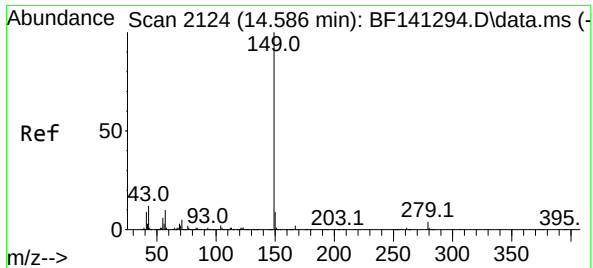
Ion Ratio Lower Upper

149 100

167 27.0 21.8 32.8

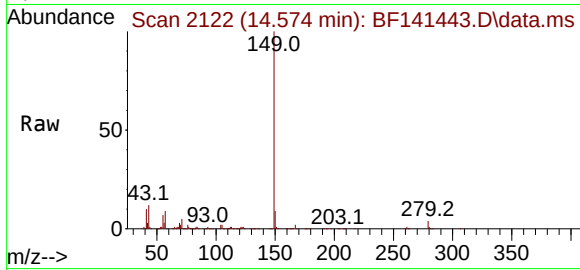
279 3.8 3.3 4.9





#85
Di-n-octyl phthalate
Concen: 48.352 ng
RT: 14.574 min Scan# 2124
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

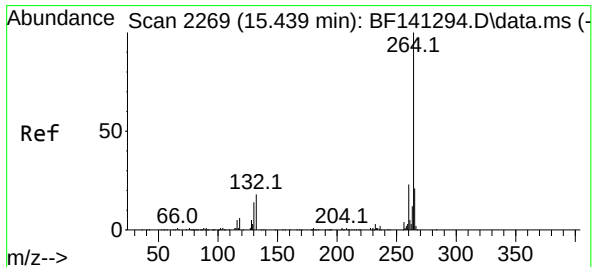
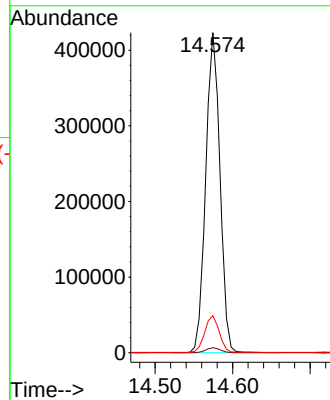
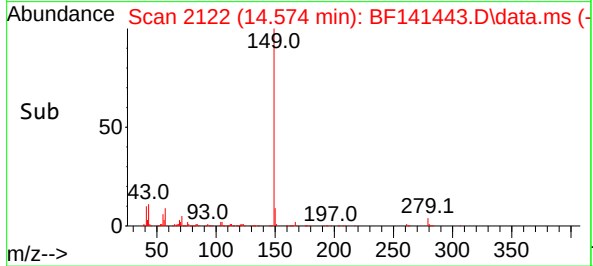
Instrument :
BNA_F
ClientSampleId :
PB166339BSD



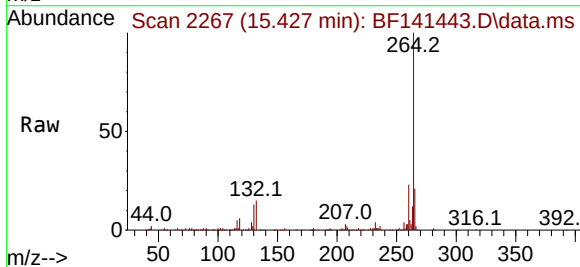
Tgt Ion:149 Resp: 539172
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 11.6 9.8 14.8

Manual Integrations
APPROVED

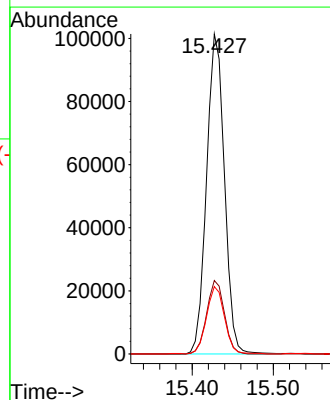
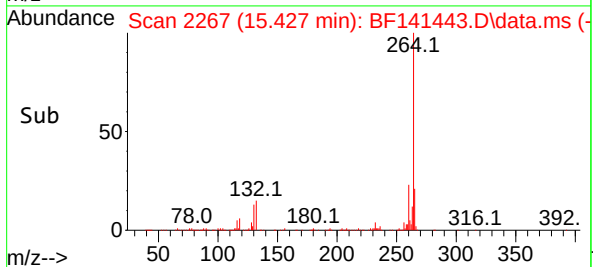
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

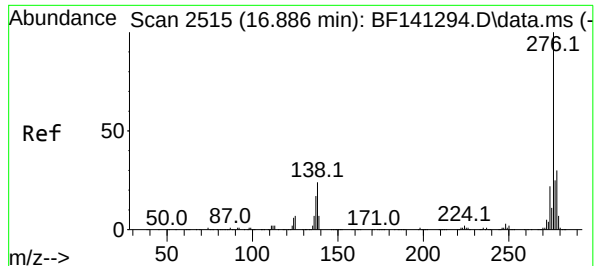


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 2267
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31



Tgt Ion:264 Resp: 154833
Ion Ratio Lower Upper
264 100
260 23.0 18.6 27.8
265 21.1 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 50.748 ng

RT: 16.880 min Scan# 2196

Delta R.T. -0.018 min

Lab File: BF141443.D

Acq: 05 Feb 2025 13:31

Instrument :

BNA_F

ClientSampleId :

PB166339BSD

Tgt Ion:276 Resp: 50714

Ion Ratio Lower Upper

276 100

138 22.4 21.7 32.5

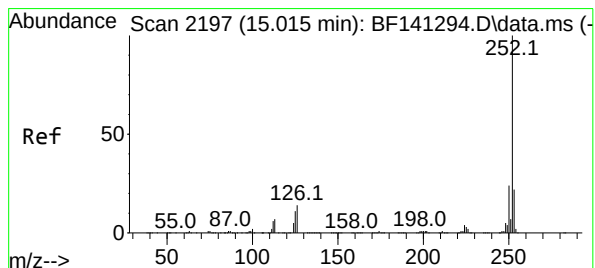
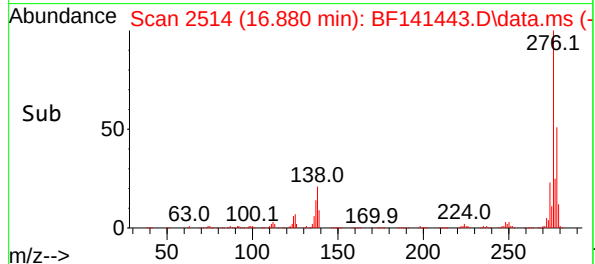
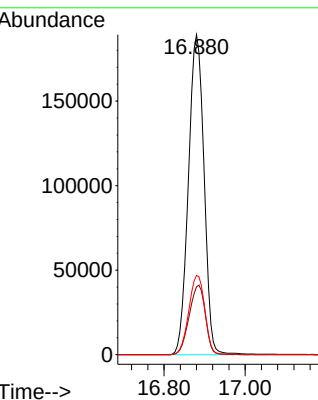
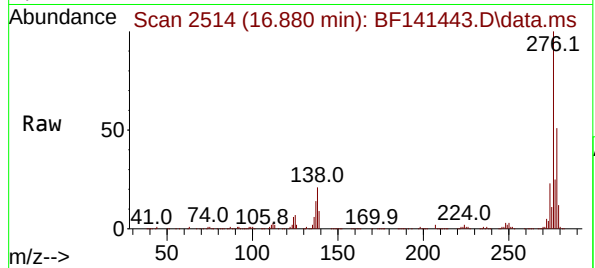
277 25.5 20.3 30.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#88

Benzo(b)fluoranthene

Concen: 46.436 ng

RT: 15.010 min Scan# 2196

Delta R.T. -0.012 min

Lab File: BF141443.D

Acq: 05 Feb 2025 13:31

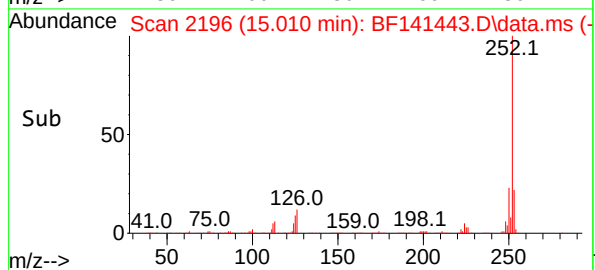
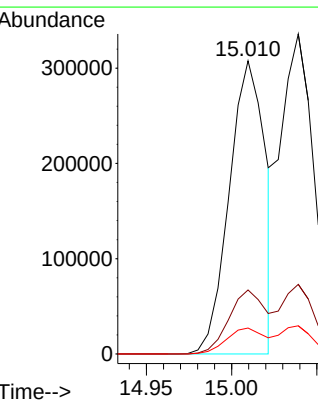
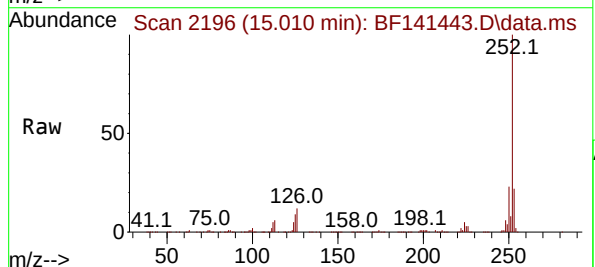
Tgt Ion:252 Resp: 452259

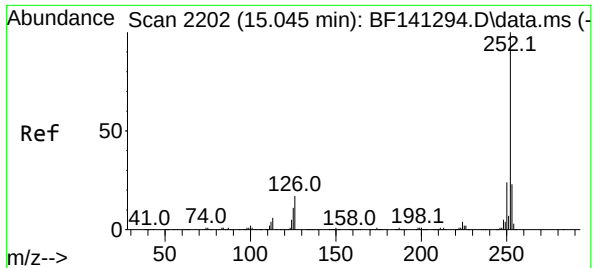
Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.2

125 8.8 8.6 12.8





#89

Benzo(k)fluoranthene

Concen: 52.723 ng

RT: 15.039 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141443.D

Acq: 05 Feb 2025 13:31

Instrument :

BNA_F

ClientSampleId :

PB166339BSD

Tgt Ion:252 Resp: 45488

Ion Ratio Lower Upper

252 100

253 21.8 17.6 26.4

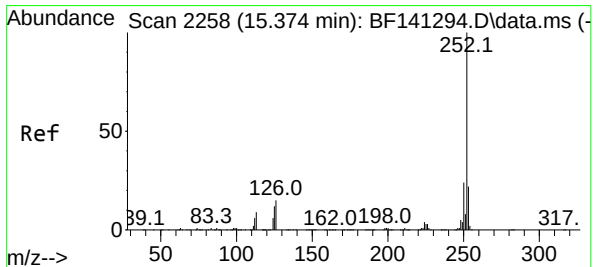
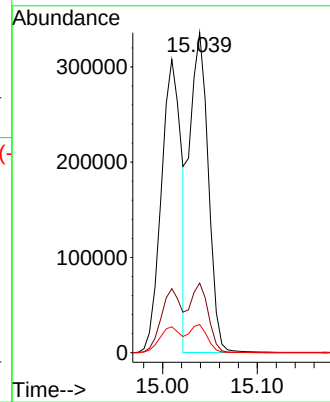
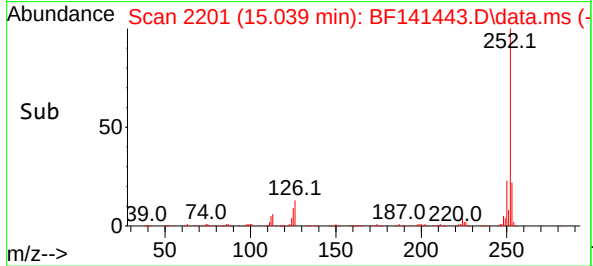
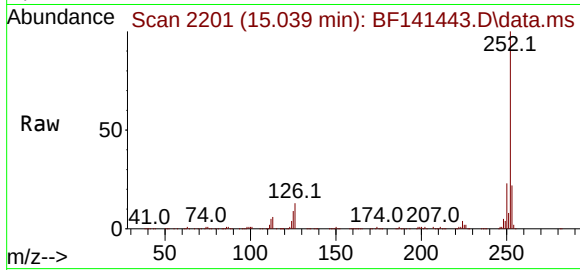
125 8.8 8.4 12.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#90

Benzo(a)pyrene

Concen: 53.074 ng

RT: 15.368 min Scan# 2257

Delta R.T. -0.012 min

Lab File: BF141443.D

Acq: 05 Feb 2025 13:31

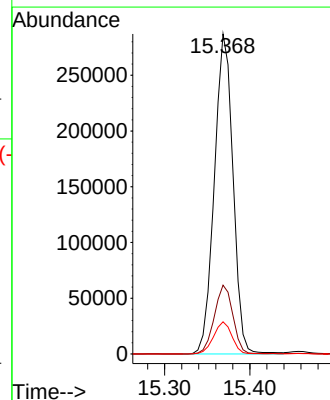
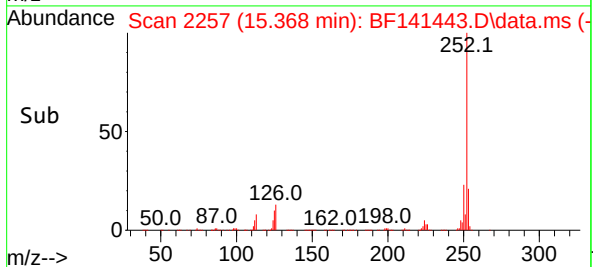
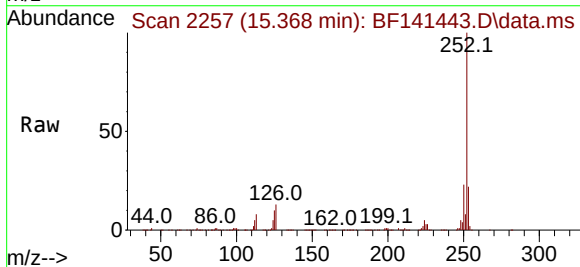
Tgt Ion:252 Resp: 436814

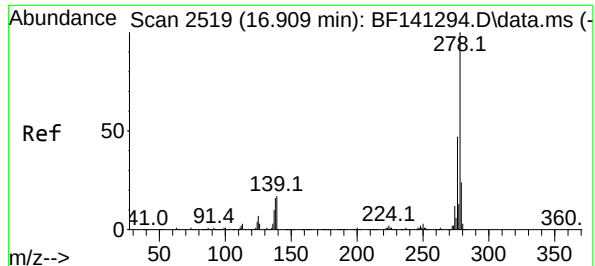
Ion Ratio Lower Upper

252 100

253 21.5 17.2 25.8

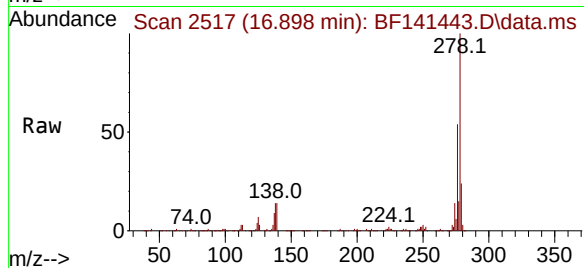
125 10.1 9.4 14.2





#91
Dibenzo(a,h)anthracene
Concen: 50.190 ng
RT: 16.898 min Scan# 2519
Delta R.T. -0.024 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

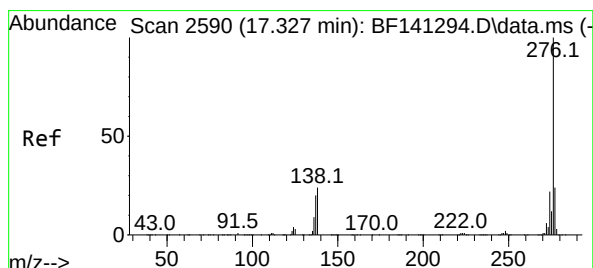
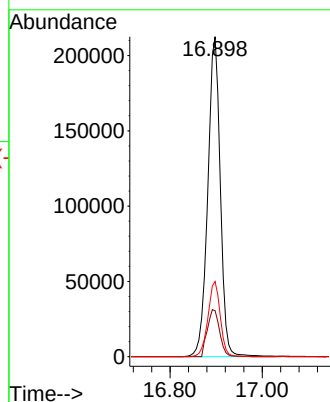
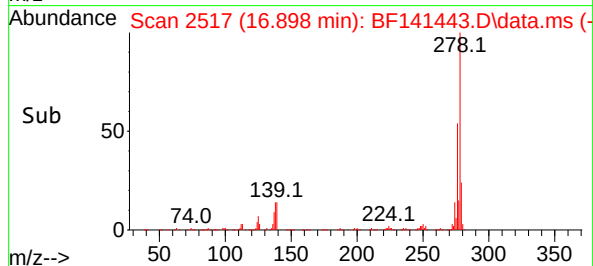
Instrument :
BNA_F
ClientSampleId :
PB166339BSD



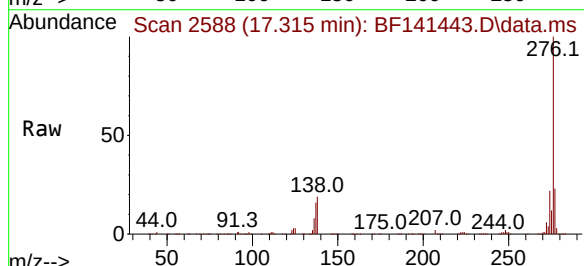
Tgt Ion:278 Resp: 403520
Ion Ratio Lower Upper
278 100
139 14.4 13.9 20.9
279 23.5 18.8 28.2

Manual Integrations
APPROVED

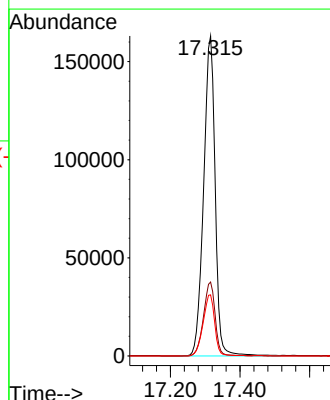
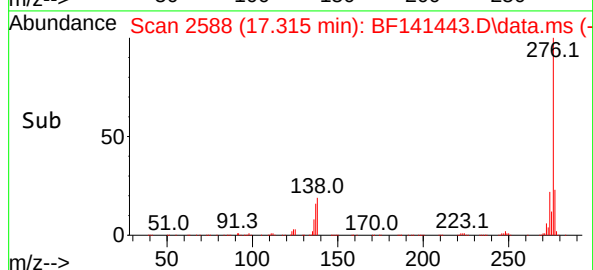
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#92
Benzo(g,h,i)perylene
Concen: 44.995 ng
RT: 17.315 min Scan# 2588
Delta R.T. -0.029 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31



Tgt Ion:276 Resp: 376155
Ion Ratio Lower Upper
276 100
277 23.1 19.2 28.8
138 19.1 19.0 28.4



Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB02MS	SDG No.:	Q1194
Lab Sample ID:	Q1194-04MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	64.7
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
BF141352.D	1	01/28/25 09:56	02/01/25 00:30	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	330	J	280	510	ug/Kg
108-95-2	Phenol	2100		130	260	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	2200		130	260	ug/Kg
95-57-8	2-Chlorophenol	2200		130	260	ug/Kg
95-48-7	2-Methylphenol	2100		120	260	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	2100		140	260	ug/Kg
98-86-2	Acetophenone	2200		130	260	ug/Kg
65794-96-9	3+4-Methylphenols	2200		120	510	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	2100		62.2	120	ug/Kg
67-72-1	Hexachloroethane	2100		130	260	ug/Kg
98-95-3	Nitrobenzene	2100		140	260	ug/Kg
78-59-1	Isophorone	2200		130	260	ug/Kg
88-75-5	2-Nitrophenol	2200		150	260	ug/Kg
105-67-9	2,4-Dimethylphenol	2600		140	260	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	2200		130	260	ug/Kg
120-83-2	2,4-Dichlorophenol	2200		120	260	ug/Kg
91-20-3	Naphthalene	2100		130	260	ug/Kg
106-47-8	4-Chloroaniline	450		130	260	ug/Kg
87-68-3	Hexachlorobutadiene	2000		130	260	ug/Kg
105-60-2	Caprolactam	2200		130	510	ug/Kg
59-50-7	4-Chloro-3-methylphenol	2200		120	260	ug/Kg
91-57-6	2-Methylnaphthalene	2100		130	260	ug/Kg
77-47-4	Hexachlorocyclopentadiene	6900	E	240	510	ug/Kg
88-06-2	2,4,6-Trichlorophenol	2200		110	260	ug/Kg
95-95-4	2,4,5-Trichlorophenol	2200		110	260	ug/Kg
92-52-4	1,1-Biphenyl	2200		130	260	ug/Kg
91-58-7	2-Chloronaphthalene	2100		130	260	ug/Kg
88-74-4	2-Nitroaniline	2200		150	260	ug/Kg
131-11-3	Dimethylphthalate	2300		130	260	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB02MS	SDG No.:	Q1194
Lab Sample ID:	Q1194-04MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	64.7
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
BF141352.D	1	01/28/25 09:56	02/01/25 00:30	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	2300		130	260	ug/Kg
606-20-2	2,6-Dinitrotoluene	2100		130	260	ug/Kg
99-09-2	3-Nitroaniline	1400		140	260	ug/Kg
83-32-9	Acenaphthene	2400		130	260	ug/Kg
51-28-5	2,4-Dinitrophenol	5000	E	380	510	ug/Kg
100-02-7	4-Nitrophenol	3800		180	510	ug/Kg
132-64-9	Dibenzofuran	2100		130	260	ug/Kg
121-14-2	2,4-Dinitrotoluene	2200		130	260	ug/Kg
84-66-2	Diethylphthalate	2200		120	260	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	2100		130	260	ug/Kg
86-73-7	Fluorene	2000		130	260	ug/Kg
100-01-6	4-Nitroaniline	1900		170	260	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2800		180	510	ug/Kg
86-30-6	n-Nitrosodiphenylamine	2500		130	260	ug/Kg
101-55-3	4-Bromophenyl-phenylether	2400		120	260	ug/Kg
118-74-1	Hexachlorobenzene	2300		130	260	ug/Kg
1912-24-9	Atrazine	2400		140	260	ug/Kg
87-86-5	Pentachlorophenol	4300	E	120	510	ug/Kg
85-01-8	Phenanthrene	2200		130	260	ug/Kg
120-12-7	Anthracene	2300		130	260	ug/Kg
86-74-8	Carbazole	2100		120	260	ug/Kg
84-74-2	Di-n-butylphthalate	2400		130	260	ug/Kg
206-44-0	Fluoranthene	2000		130	260	ug/Kg
129-00-0	Pyrene	1800		130	260	ug/Kg
85-68-7	Butylbenzylphthalate	2100		150	260	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1500		150	510	ug/Kg
56-55-3	Benzo(a)anthracene	2100		120	260	ug/Kg
218-01-9	Chrysene	2300		120	260	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2200		140	260	ug/Kg
117-84-0	Di-n-octyl phthalate	2600		170	510	ug/Kg
205-99-2	Benzo(b)fluoranthene	2400		130	260	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB02MS	SDG No.:	Q1194
Lab Sample ID:	Q1194-04MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	64.7
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
BF141352.D	1	01/28/25 09:56	02/01/25 00:30	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	2400		130	260	ug/Kg
50-32-8	Benzo(a)pyrene	2500		140	260	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1800		120	260	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1800		130	260	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1500		120	260	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	2200		130	260	ug/Kg
123-91-1	1,4-Dioxane	1900		170	260	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	2300		120	260	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	93.0		30 (18) - 130 (112)	62%	SPK: 150
13127-88-3	Phenol-d6	91.1		30 (15) - 130 (107)	61%	SPK: 150
4165-60-0	Nitrobenzene-d5	65.2		30 (18) - 130 (107)	65%	SPK: 100
321-60-8	2-Fluorobiphenyl	61.8		30 (20) - 130 (109)	62%	SPK: 100
118-79-6	2,4,6-Tribromophenol	92.2		30 (10) - 130 (116)	61%	SPK: 150
1718-51-0	Terphenyl-d14	52.5		30 (10) - 130 (105)	53%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	160000	6.798			
1146-65-2	Naphthalene-d8	632000	8.081			
15067-26-2	Acenaphthene-d10	327000	9.839			
1517-22-2	Phenanthrene-d10	478000	11.327			
1719-03-5	Chrysene-d12	307000	13.968			
1520-96-3	Perylene-d12	308000	15.421			

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\BF013125\
 Data File : BF141352.D
 Acq On : 01 Feb 2025 00:30
 Operator : RC/JU
 Sample : Q1194-04MS
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-113-SB02MS

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
 Supervised By :mohammad ahmed 02/04/2025

Quant Time: Feb 01 00:57:36 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	160040	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	632082	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	327389	20.000	ng	0.00
64) Phenanthrene-d10	11.327	188	478396	20.000	ng	0.00
76) Chrysene-d12	13.968	240	306959	20.000	ng	0.00
86) Perylene-d12	15.421	264	307907	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	969013	92.954	ng	0.02
7) Phenol-d6	6.445	99	1208293	91.113	ng	0.00
23) Nitrobenzene-d5	7.363	82	781915	65.213	ng	0.00
42) 2,4,6-Tribromophenol	10.633	330	276769	92.213	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1314061	61.779	ng	0.00
79) Terphenyl-d14	12.910	244	1045873	52.545	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.563	88	170887	37.273	ng	98
3) Pyridine	3.293	79	440465	39.874	ng	100
4) n-Nitrosodimethylamine	3.246	42	271271	42.988	ng	97
6) Aniline	6.463	93	364816	32.498	ng	# 20
8) 2-Chlorophenol	6.592	128	479903	42.950	ng	97
9) Benzaldehyde	6.345	77	49148	6.398	ng	98
10) Phenol	6.457	94	579286	41.207	ng	77
11) bis(2-Chloroethyl)ether	6.534	93	467010	43.327	ng	100
12) 1,3-Dichlorobenzene	6.739	146	489696	39.748	ng	99
13) 1,4-Dichlorobenzene	6.816	146	495491	40.035	ng	100
14) 1,2-Dichlorobenzene	6.969	146	474188	40.916	ng	99
15) Benzyl Alcohol	6.945	79	408281	45.050	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.075	45	760918	40.597	ng	55
17) 2-Methylphenol	7.069	107	369947	40.738	ng	# 89
18) Hexachloroethane	7.310	117	183972	40.294	ng	99
19) n-Nitroso-di-n-propyla...	7.216	70	329084	41.762	ng	98
20) 3+4-Methylphenols	7.222	107	478463	42.911	ng	# 76
22) Acetophenone	7.210	105	641459	42.694	ng	# 95
24) Nitrobenzene	7.386	77	502528	40.443	ng	98
25) Isophorone	7.622	82	892320	43.053	ng	99
26) 2-Nitrophenol	7.698	139	255094	43.531	ng	99
27) 2,4-Dimethylphenol	7.745	122	373741m	50.107	ng	
28) bis(2-Chloroethoxy)met...	7.834	93	555377	42.009	ng	99
29) 2,4-Dichlorophenol	7.951	162	391067	42.827	ng	99
30) 1,2,4-Trichlorobenzene	8.022	180	407421	39.069	ng	100
31) Naphthalene	8.104	128	1339613	40.119	ng	100
32) Benzoic acid	7.875	122	293276	42.771	ng	98
33) 4-Chloroaniline	8.151	127	99598	8.796	ng	99
34) Hexachlorobutadiene	8.222	225	237412	38.821	ng	100
35) Caprolactam	8.522	113	129509m	43.427	ng	
36) 4-Chloro-3-methylphenol	8.651	107	412298	42.094	ng	97
37) 2-Methylnaphthalene	8.792	142	875724	41.263	ng	99
38) 1-Methylnaphthalene	8.892	142	807610	38.739	ng	100
40) 1,2,4,5-Tetrachloroben...	8.963	216	390961	41.976	ng	99
41) Hexachlorocyclopentadiene	8.945	237	368408	133.935	ng	100
43) 2,4,6-Trichlorophenol	9.081	196	264141	43.328	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
 Data File : BF141352.D
 Acq On : 01 Feb 2025 00:30
 Operator : RC/JU
 Sample : Q1194-04MS
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-113-SB02MS

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
 Supervised By :mohammad ahmed 02/04/2025

Quant Time: Feb 01 00:57:36 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.133	196	284388	42.861	ng	99
46) 1,1'-Biphenyl	9.263	154	1070294	41.919	ng	99
47) 2-Chloronaphthalene	9.286	162	799380	40.168	ng	99
48) 2-Nitroaniline	9.380	65	272485	43.530	ng	97
49) Acenaphthylene	9.698	152	1222120	43.870	ng	100
50) Dimethylphthalate	9.563	163	969748	43.857	ng	99
51) 2,6-Dinitrotoluene	9.628	165	211898	41.273	ng	98
52) Acenaphthene	9.875	154	917466	46.100	ng	99
53) 3-Nitroaniline	9.792	138	138426	27.509	ng	98
54) 2,4-Dinitrophenol	9.904	184	231891	97.163	ng	98
55) Dibenzofuran	10.045	168	1102981	41.404	ng	99
56) 4-Nitrophenol	9.975	139	270862	73.603	ng	98
57) 2,4-Dinitrotoluene	10.028	165	279789	42.091	ng	99
58) Fluorene	10.386	166	817762	39.575	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.169	232	230657	44.188	ng	99
60) Diethylphthalate	10.263	149	923514	43.075	ng	99
61) 4-Chlorophenyl-phenyle...	10.380	204	406500	40.273	ng	100
62) 4-Nitroaniline	10.410	138	185463	37.489	ng	99
63) Azobenzene	10.539	77	946700	44.113	ng	99
65) 4,6-Dinitro-2-methylph...	10.433	198	154803	54.706	ng	97
66) n-Nitrosodiphenylamine	10.498	169	738221	47.710	ng	100
67) 4-Bromophenyl-phenylether	10.869	248	252992	47.237	ng	98
68) Hexachlorobenzene	10.933	284	255828	45.031	ng	100
69) Atrazine	11.027	200	238034	46.011	ng	99
70) Pentachlorophenol	11.133	266	276016	82.968	ng	99
71) Phenanthrene	11.351	178	1120034	43.554	ng	99
72) Anthracene	11.404	178	1134234	45.015	ng	100
73) Carbazole	11.557	167	910483	40.751	ng	99
74) Di-n-butylphthalate	11.892	149	1240476	45.813	ng	100
75) Fluoranthene	12.539	202	994575	39.170	ng	100
77) Benzidine	12.663	184	201472	20.474	ng	100
78) Pyrene	12.769	202	1010968	34.311	ng	100
80) Butylbenzylphthalate	13.392	149	424703	41.258	ng	99
81) Benzo(a)anthracene	13.957	228	859366	40.571	ng	99
82) 3,3'-Dichlorobenzidine	13.921	252	198790	29.508	ng	100
83) Chrysene	13.992	228	854492	44.017	ng	99
84) Bis(2-ethylhexyl)phtha...	13.951	149	557866	42.722	ng	99
85) Di-n-octyl phthalate	14.568	149	1017675	50.177	ng	100
87) Indeno(1,2,3-cd)pyrene	16.862	276	688611	34.650	ng	99
88) Benzo(b)fluoranthene	15.004	252	913150	47.147	ng	99
89) Benzo(k)fluoranthene	15.033	252	811049	47.270	ng	100
90) Benzo(a)pyrene	15.362	252	781518	47.750	ng	99
91) Dibenzo(a,h)anthracene	16.886	278	561271	35.104	ng	100
92) Benzo(g,h,i)perylene	17.298	276	497253	29.910	ng	98

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

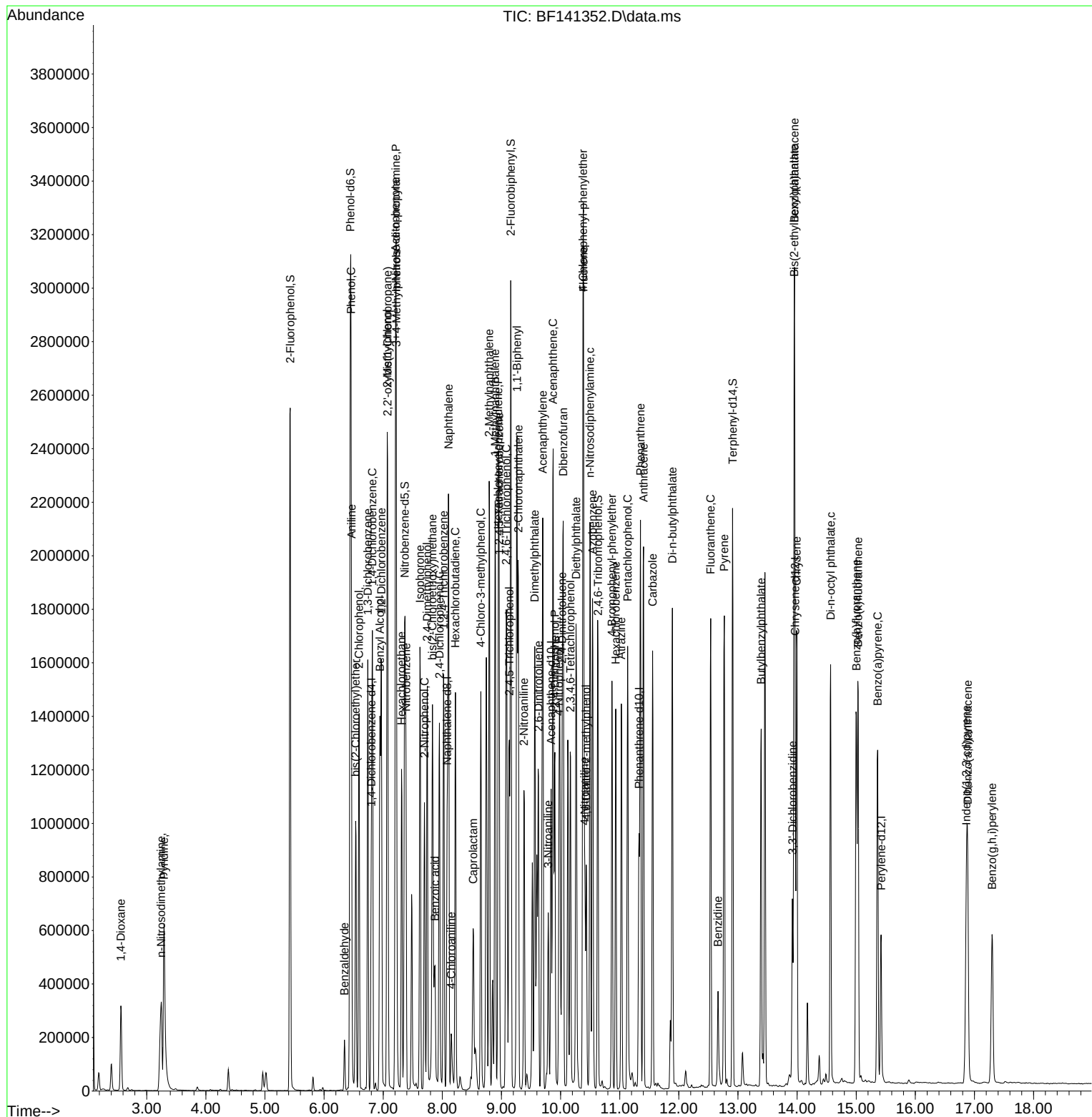
```
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\  
Data File : BF141352.D  
Acq On    : 01 Feb 2025  00:30  
Operator  : RC/JU  
Sample    : Q1194-04MS  
Misc      :  
ALS Vial  : 18    Sample Multiplier: 1
```

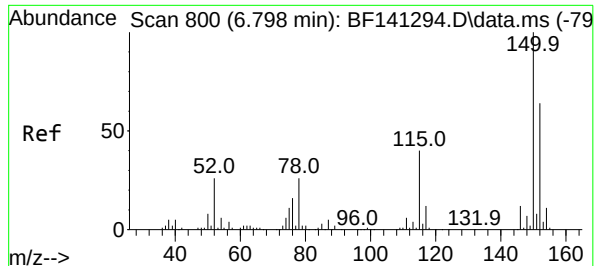
Instrument :
BNA_F
ClientSampleId :
B-113-SB02MS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

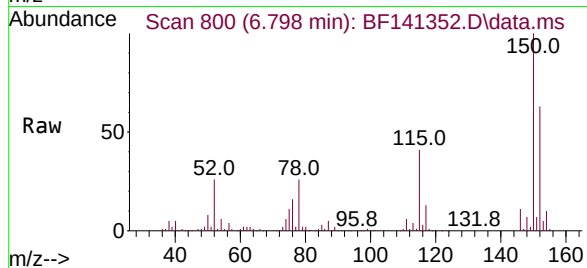
Quant Time: Feb 01 00:57:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

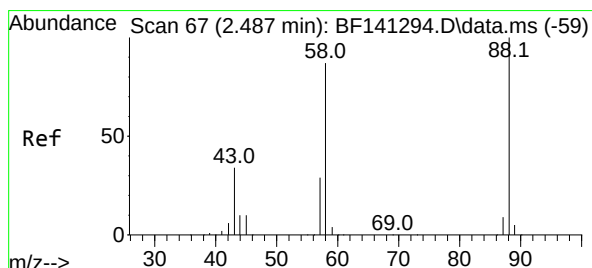
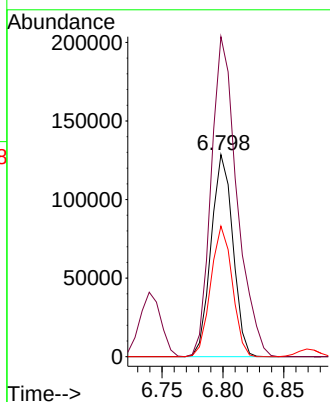
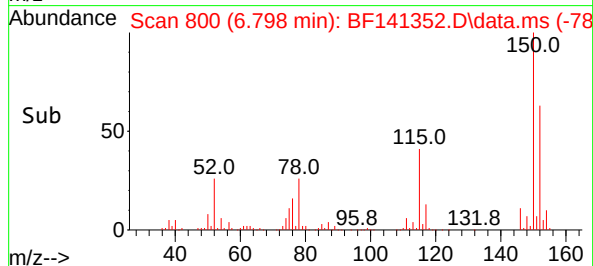
Instrument :
BNA_F
ClientSampleId :
B-113-SB02MS



Tgt Ion:152 Resp: 160040
Ion Ratio Lower Upper
152 100
150 158.3 125.9 188.9
115 64.6 49.7 74.5

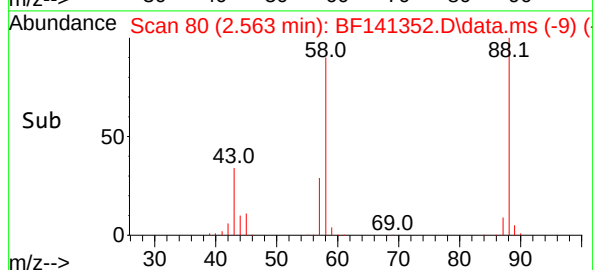
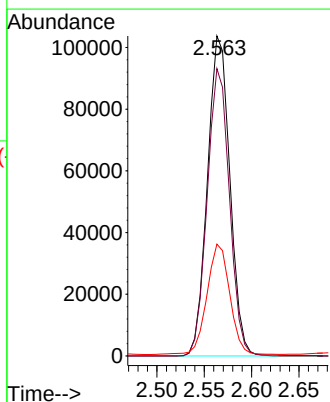
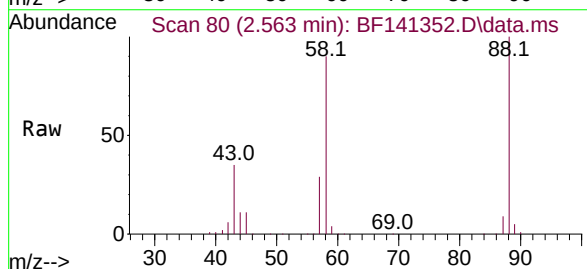
Manual Integrations
APPROVED

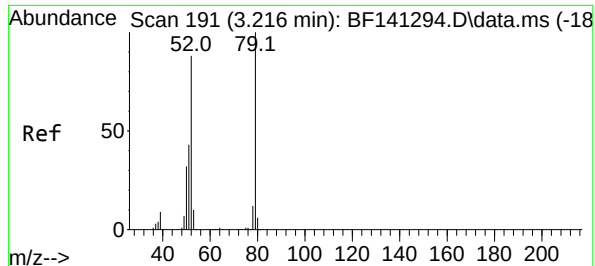
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#2
1,4-Dioxane
Concen: 37.273 ng
RT: 2.563 min Scan# 80
Delta R.T. 0.070 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

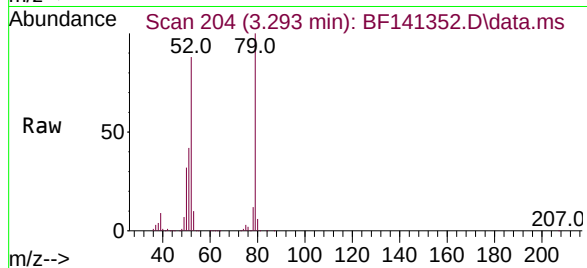
Tgt Ion: 88 Resp: 170887
Ion Ratio Lower Upper
88 100
58 89.5 70.2 105.4
43 35.3 27.6 41.4





#3
Pyridine
Concen: 39.874 ng
RT: 3.293 min Scan# 204
Delta R.T. 0.065 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

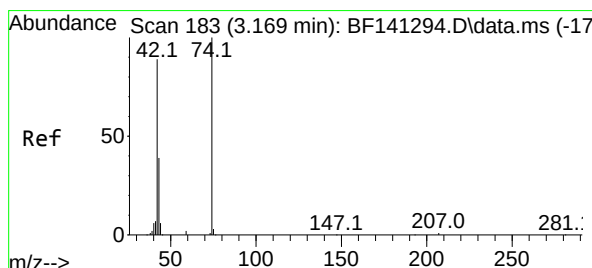
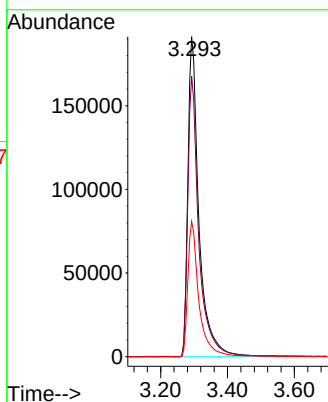
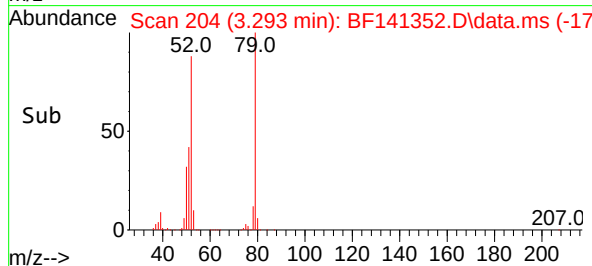
Instrument :
BNA_F
ClientSampleId :
B-113-SB02MS



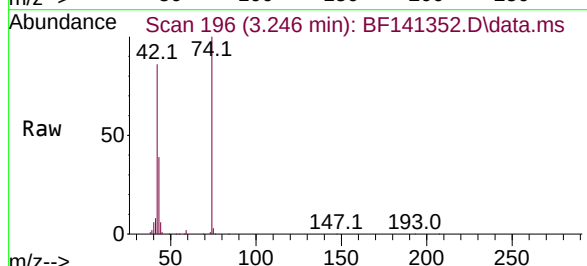
Tgt Ion: 79 Resp: 44046
Ion Ratio Lower Upper
79 100
52 87.7 70.3 105.5
51 42.3 34.3 51.5

Manual Integrations
APPROVED

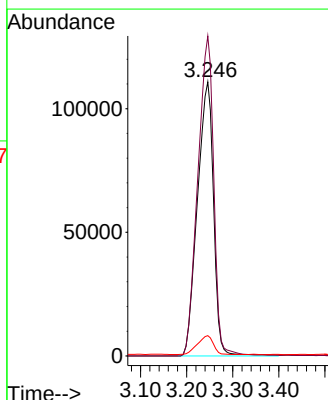
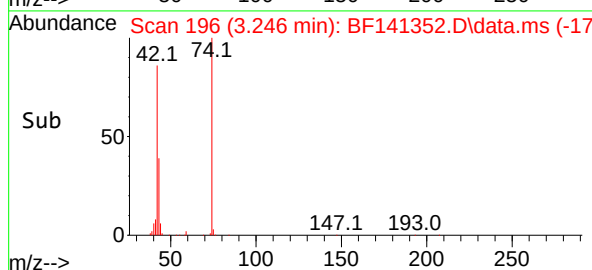
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

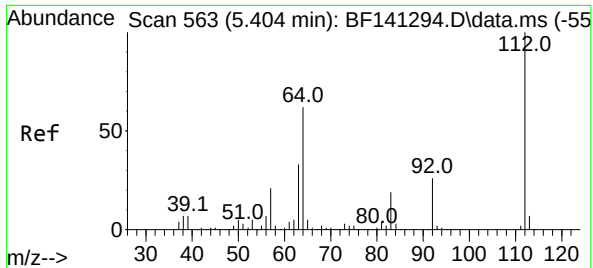


#4
n-Nitrosodimethylamine
Concen: 42.988 ng
RT: 3.246 min Scan# 196
Delta R.T. 0.047 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30



Tgt Ion: 42 Resp: 271271
Ion Ratio Lower Upper
42 100
74 116.8 90.3 135.5
44 7.4 5.7 8.5





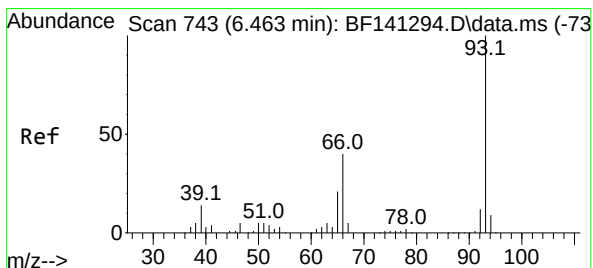
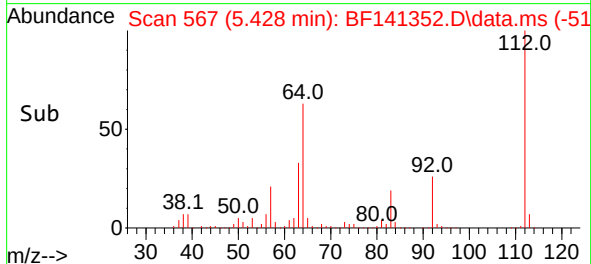
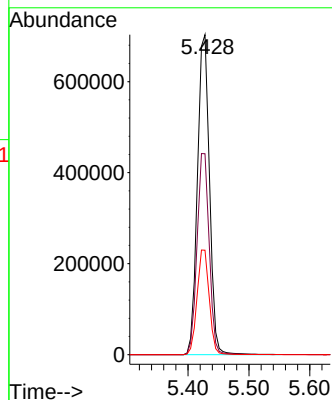
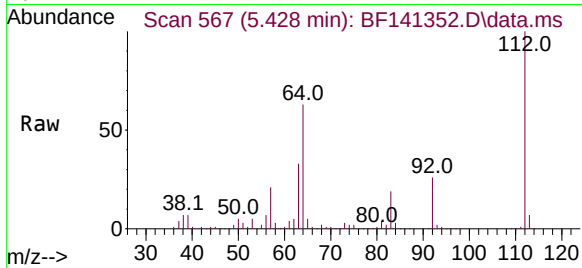
#5
2-Fluorophenol
Concen: 92.954 ng
RT: 5.428 min Scan# 50
Delta R.T. 0.018 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Instrument :
BNA_F
ClientSampleId :
B-113-SB02MS

Tgt Ion:112 Resp: 96901
Ion Ratio Lower Upper
112 100
64 62.8 49.8 74.8
63 32.7 26.1 39.1

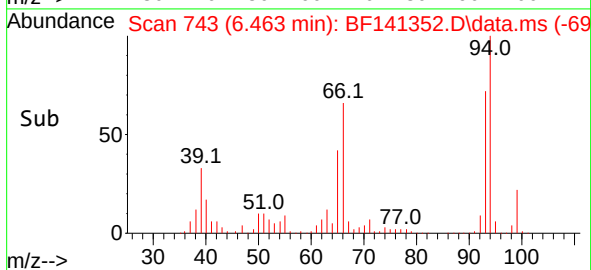
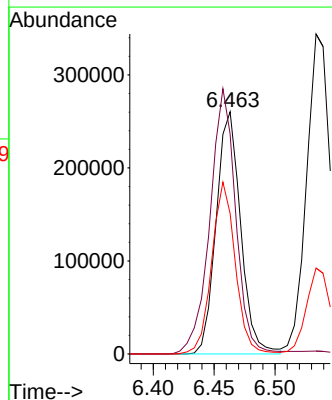
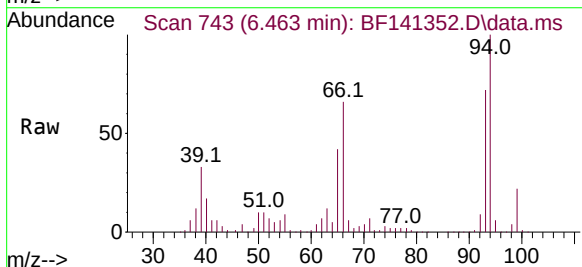
Manual Integrations
APPROVED

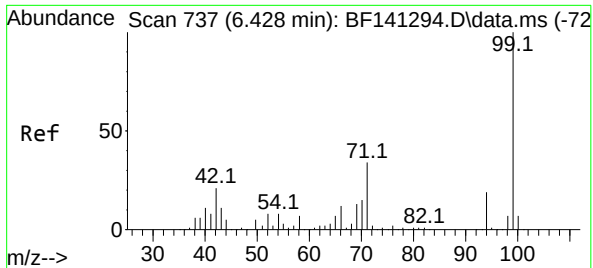
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#6
Aniline
Concen: 32.498 ng
RT: 6.463 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Tgt Ion: 93 Resp: 364816
Ion Ratio Lower Upper
93 100
66 90.8 32.5 48.7#
65 58.0 17.0 25.6#





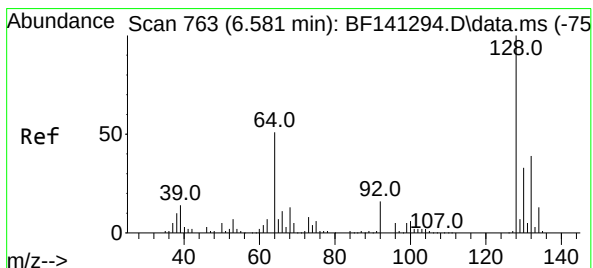
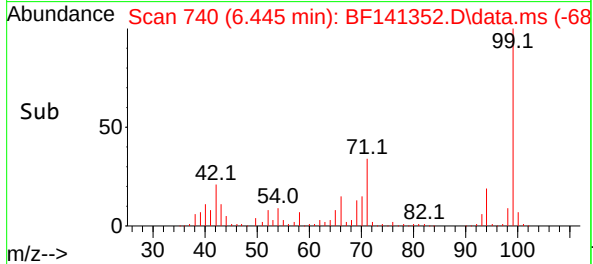
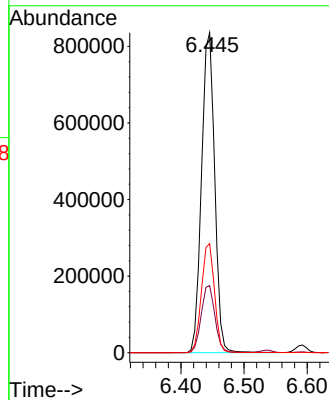
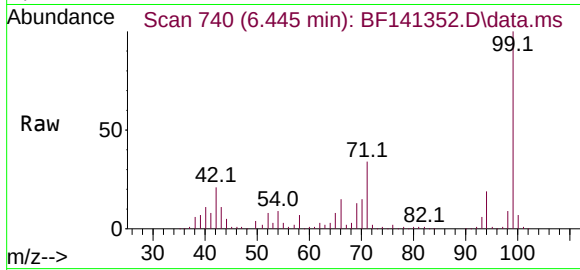
#7
Phenol-d6
Concen: 91.113 ng
RT: 6.445 min Scan# 740
Delta R.T. 0.006 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Instrument :
BNA_F
ClientSampleId :
B-113-SB02MS

Tgt Ion: 99 Resp: 120829
Ion Ratio Lower Upper
99 100
42 21.0 17.1 25.7
71 34.1 26.9 40.3

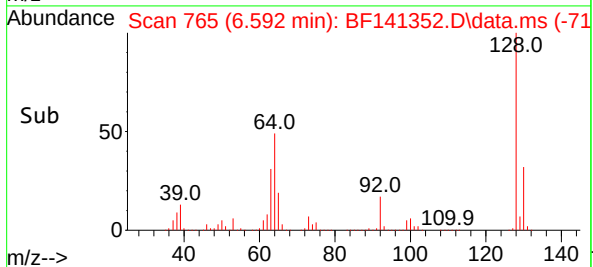
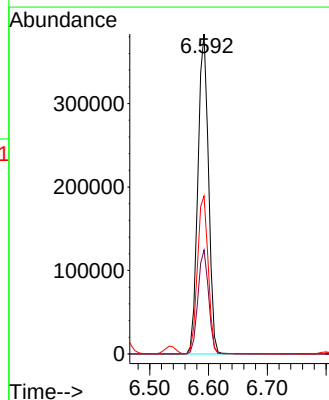
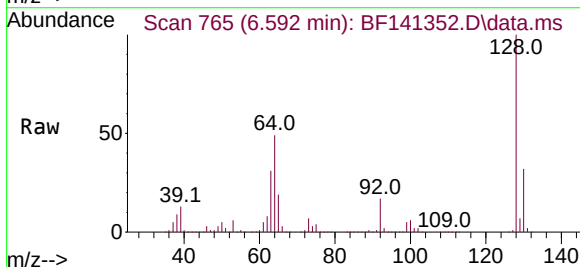
Manual Integrations
APPROVED

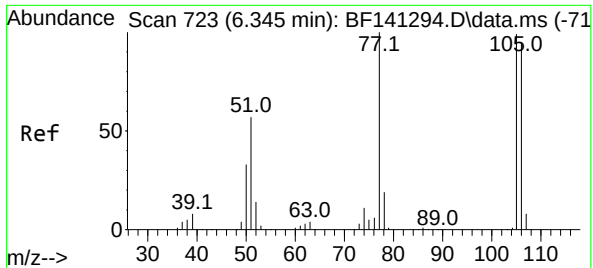
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#8
2-Chlorophenol
Concen: 42.950 ng
RT: 6.592 min Scan# 765
Delta R.T. -0.000 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Tgt Ion:128 Resp: 479903
Ion Ratio Lower Upper
128 100
130 32.5 12.5 52.5
64 49.3 32.9 72.9





#9

Benzaldehyde

Concen: 6.398 ng

RT: 6.345 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF141352.D

Acq: 01 Feb 2025 00:30

Instrument :

BNA_F

ClientSampleId :

B-113-SB02MS

Tgt Ion: 77 Resp: 4914

Ion Ratio Lower Upper

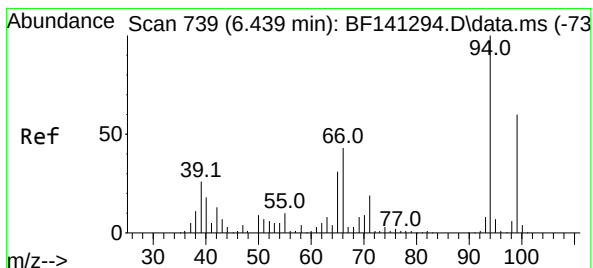
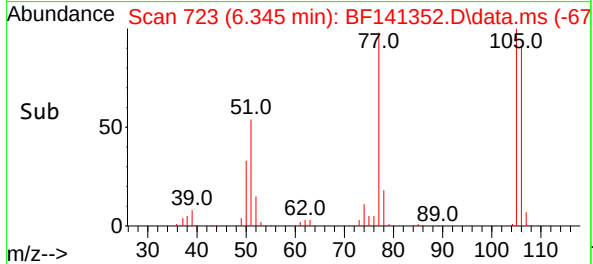
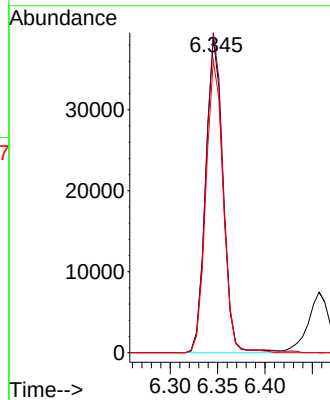
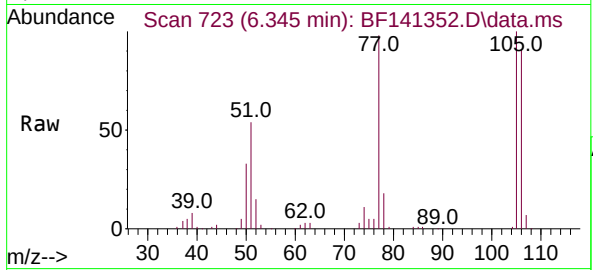
77 100

105 101.7 79.4 119.4

106 93.0 74.6 114.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#10

Phenol

Concen: 41.207 ng

RT: 6.457 min Scan# 742

Delta R.T. 0.006 min

Lab File: BF141352.D

Acq: 01 Feb 2025 00:30

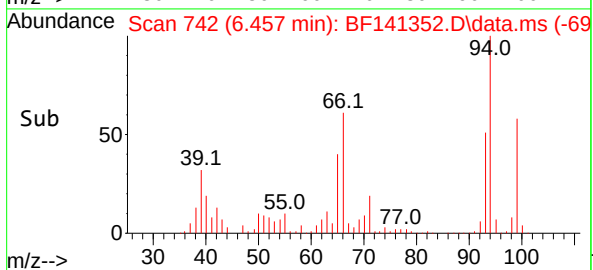
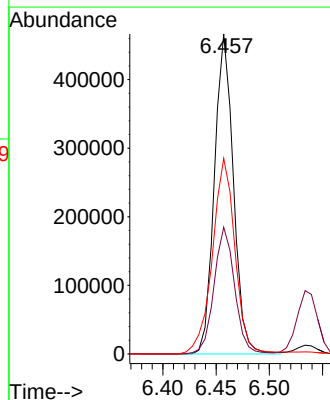
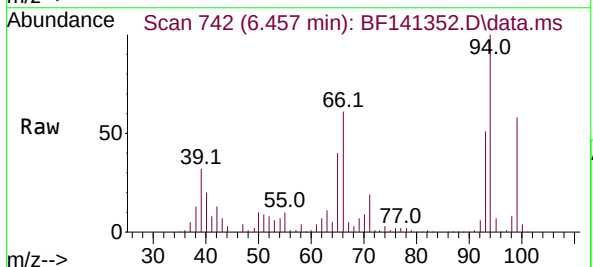
Tgt Ion: 94 Resp: 579286

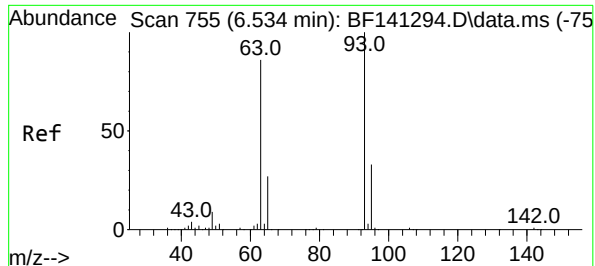
Ion Ratio Lower Upper

94 100

65 39.6 10.8 50.8

66 61.1 23.3 63.3





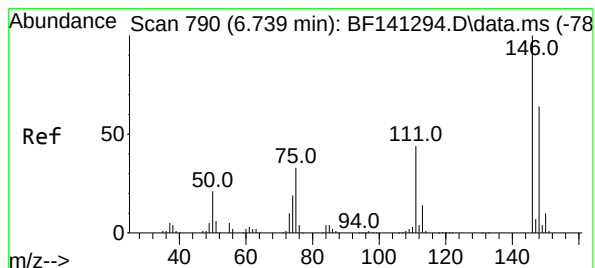
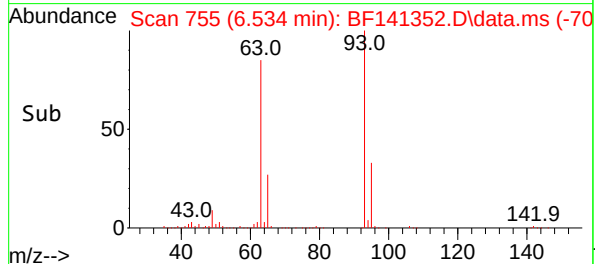
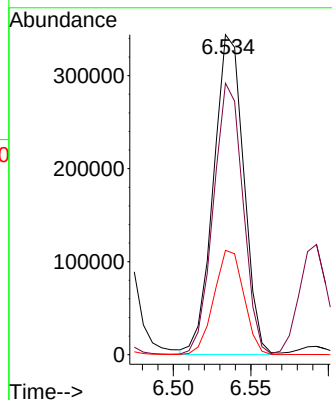
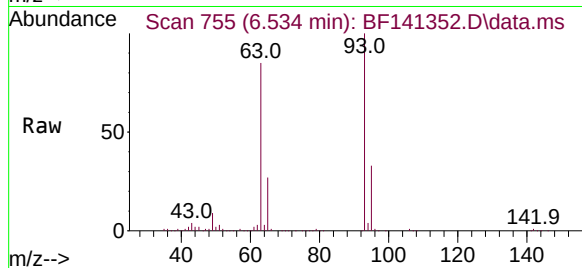
#11
bis(2-Chloroethyl)ether
Concen: 43.327 ng
RT: 6.534 min Scan# 755
Delta R.T. -0.012 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Instrument :
BNA_F
ClientSampleId :
B-113-SB02MS

Tgt Ion: 93 Resp: 467010
Ion Ratio Lower Upper
93 100
63 84.9 65.0 105.0
95 32.6 12.4 52.4

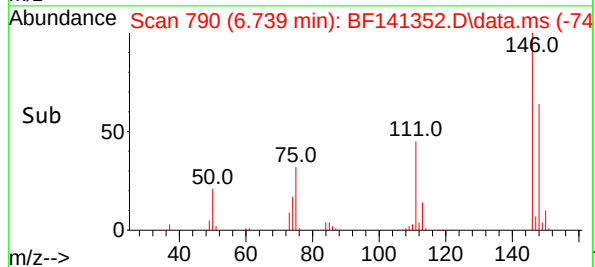
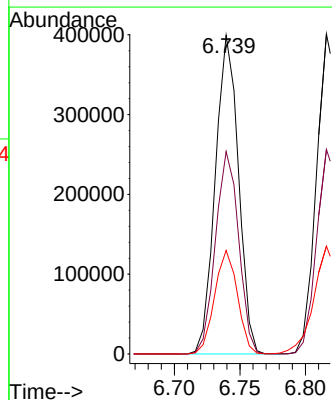
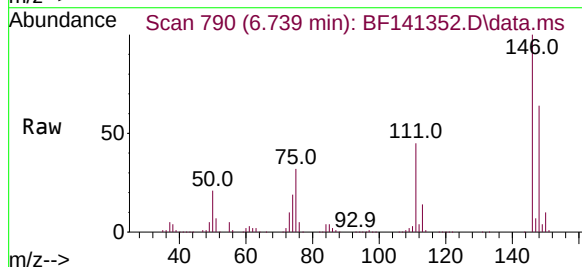
Manual Integrations
APPROVED

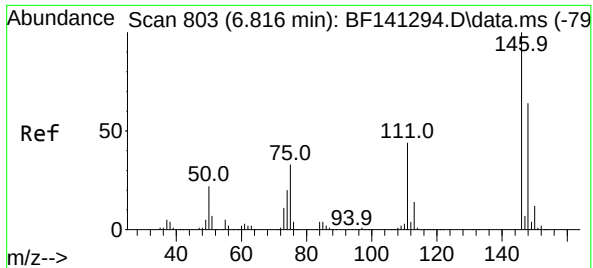
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#12
1,3-Dichlorobenzene
Concen: 39.748 ng
RT: 6.739 min Scan# 790
Delta R.T. -0.006 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Tgt Ion:146 Resp: 489696
Ion Ratio Lower Upper
146 100
148 63.5 51.2 76.8
75 32.5 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 40.035 ng

RT: 6.816 min Scan# 803

Delta R.T. -0.006 min

Lab File: BF141352.D

Acq: 01 Feb 2025 00:30

Instrument :

BNA_F

ClientSampleId :

B-113-SB02MS

Tgt Ion:146 Resp: 49549

Ion Ratio Lower Upper

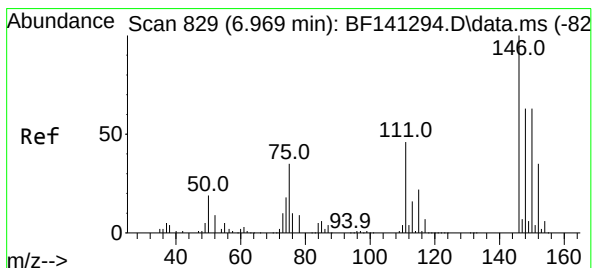
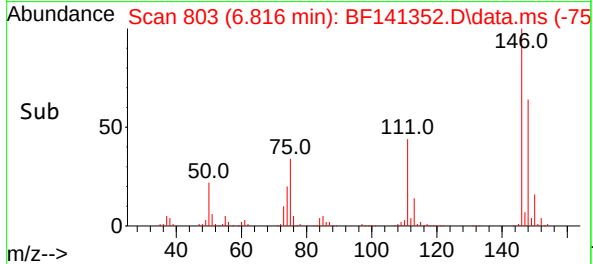
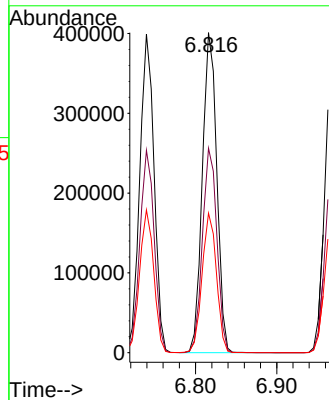
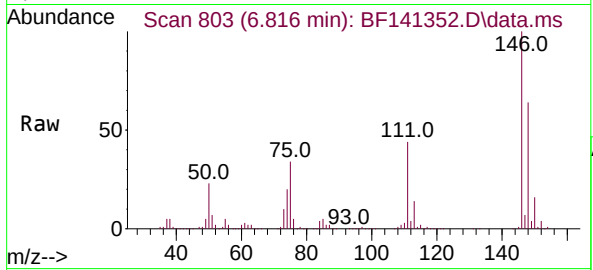
146 100

148 63.9 51.2 76.8

111 43.6 35.0 52.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#14

1,2-Dichlorobenzene

Concen: 40.916 ng

RT: 6.969 min Scan# 829

Delta R.T. -0.006 min

Lab File: BF141352.D

Acq: 01 Feb 2025 00:30

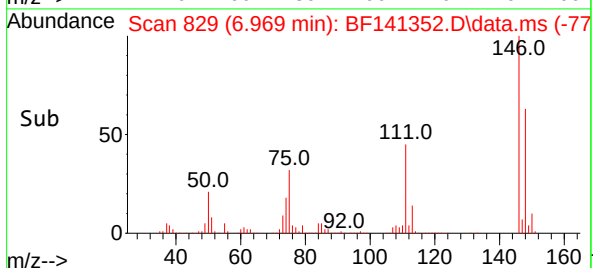
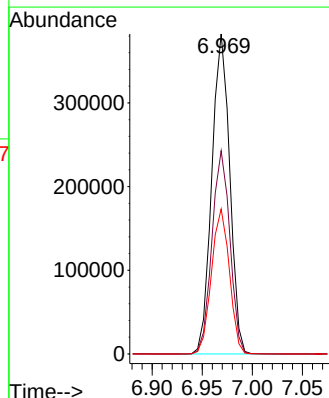
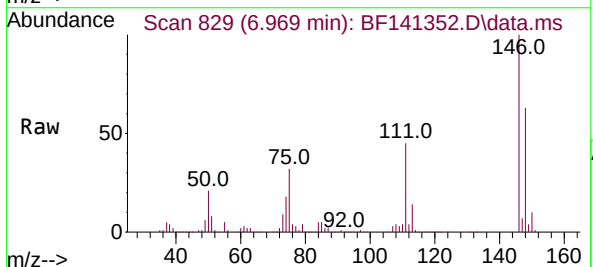
Tgt Ion:146 Resp: 474188

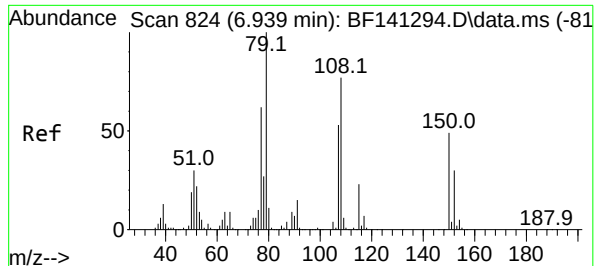
Ion Ratio Lower Upper

146 100

148 63.5 50.5 75.7

111 45.3 36.6 55.0





#15

Benzyl Alcohol

Concen: 45.050 ng

RT: 6.945 min Scan# 81

Delta R.T. -0.000 min

Lab File: BF141352.D

Acq: 01 Feb 2025 00:30

Instrument :

BNA_F

ClientSampleId :

B-113-SB02MS

Tgt Ion: 79 Resp: 40828

Ion Ratio Lower Upper

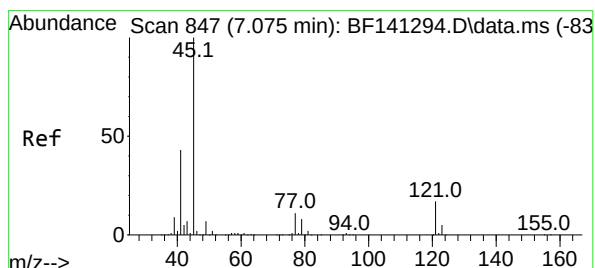
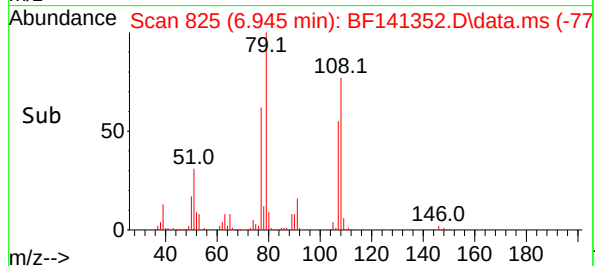
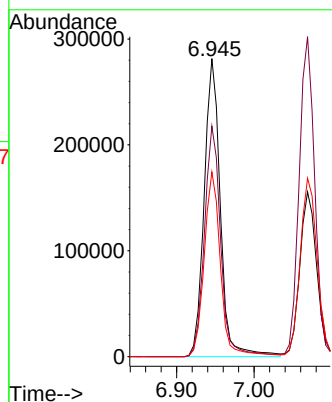
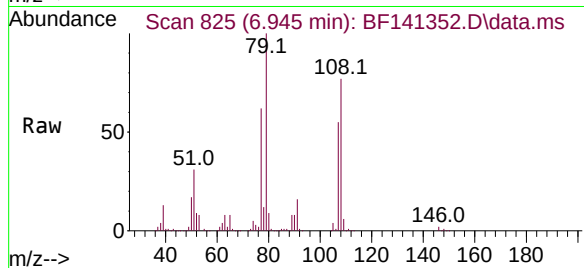
79 100

108 77.4 61.4 92.0

77 62.0 49.9 74.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#16

2,2'-oxybis(1-Chloropropane)

Concen: 40.597 ng

RT: 7.075 min Scan# 847

Delta R.T. -0.006 min

Lab File: BF141352.D

Acq: 01 Feb 2025 00:30

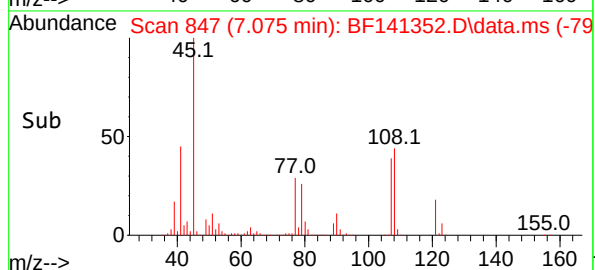
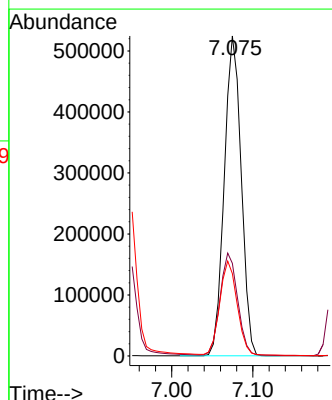
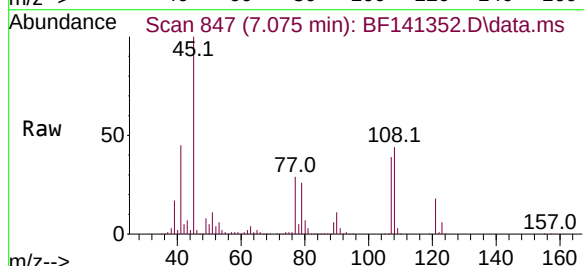
Tgt Ion: 45 Resp: 760918

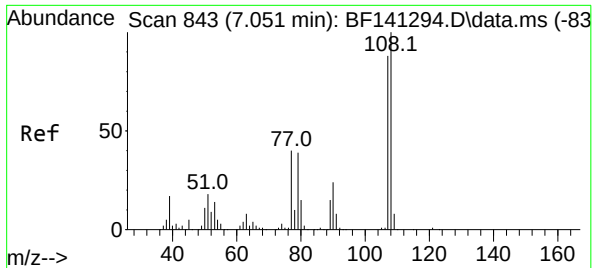
Ion Ratio Lower Upper

45 100

77 29.0 0.0 31.8

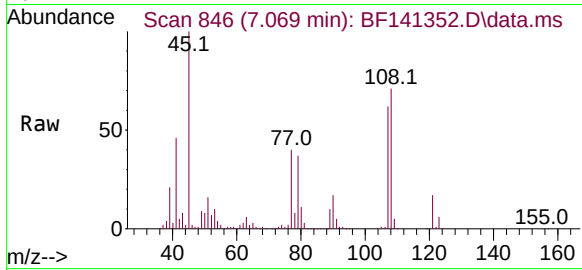
79 25.8 0.0 29.1





#17
2-Methylphenol
Concen: 40.738 ng
RT: 7.069 min Scan# 843
Delta R.T. 0.012 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

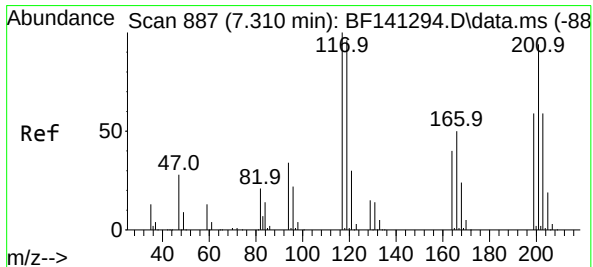
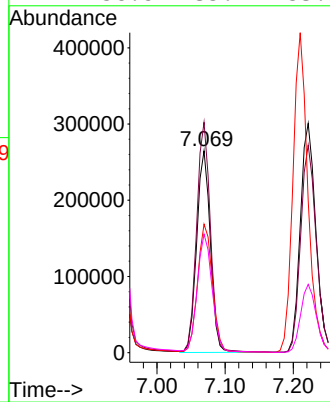
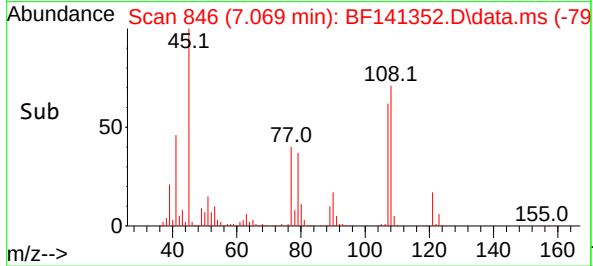
Instrument :
BNA_F
ClientSampleId :
B-113-SB02MS



Tgt Ion:107 Resp: 36994
Ion Ratio Lower Upper
107 100
108 114.1 90.8 136.2
77 63.7 36.2 54.4
79 58.8 35.7 53.5#

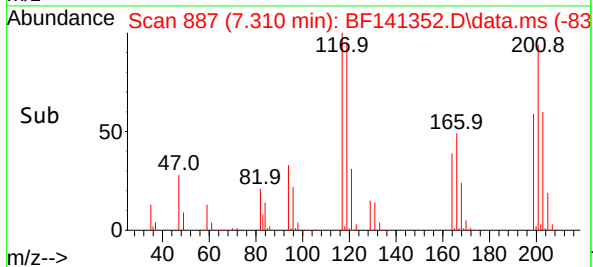
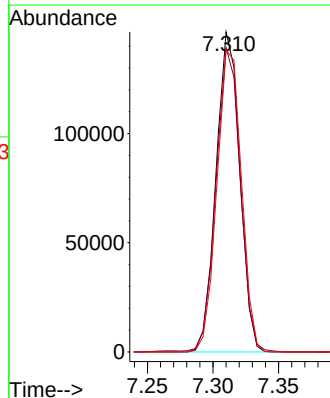
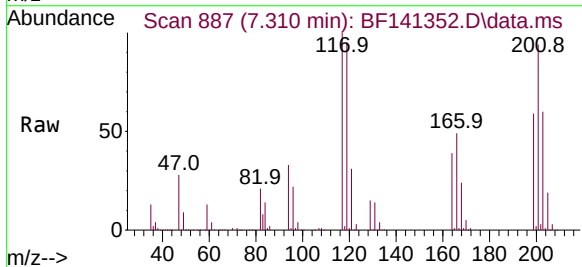
Manual Integrations
APPROVED

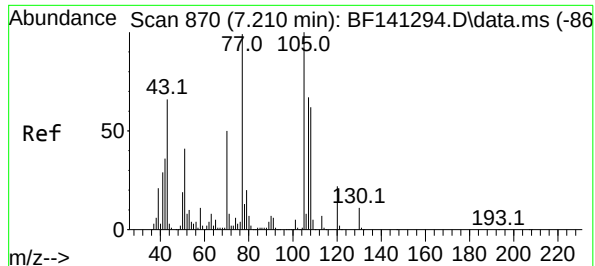
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#18
Hexachloroethane
Concen: 40.294 ng
RT: 7.310 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Tgt Ion:117 Resp: 183972
Ion Ratio Lower Upper
117 100
119 95.1 76.6 114.8
201 94.4 74.8 112.2





#19

n-Nitroso-di-n-propylamine

Concen: 41.762 ng

RT: 7.216 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF141352.D

Acq: 01 Feb 2025 00:30

Instrument :

BNA_F

ClientSampleId :

B-113-SB02MS

Tgt Ion: 70 Resp: 329084

Ion Ratio Lower Upper

70 100

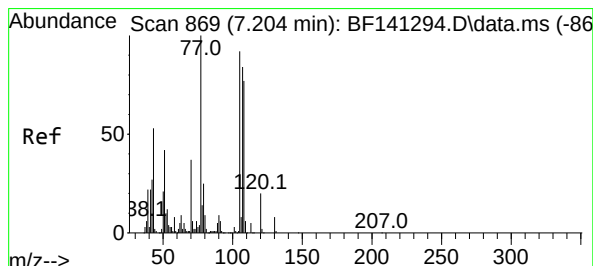
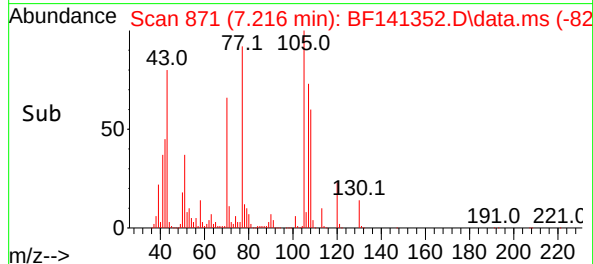
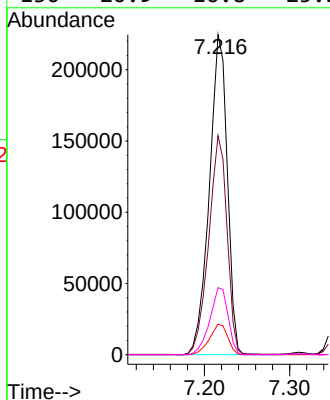
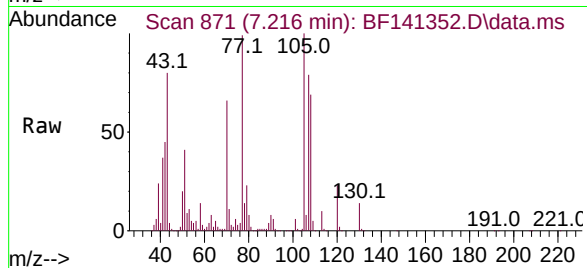
42 68.5 56.8 85.2

101 9.5 7.7 11.5

130 20.9 16.8 25.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#20

3+4-Methylphenols

Concen: 42.911 ng

RT: 7.222 min Scan# 872

Delta R.T. 0.006 min

Lab File: BF141352.D

Acq: 01 Feb 2025 00:30

Tgt Ion:107 Resp: 478463

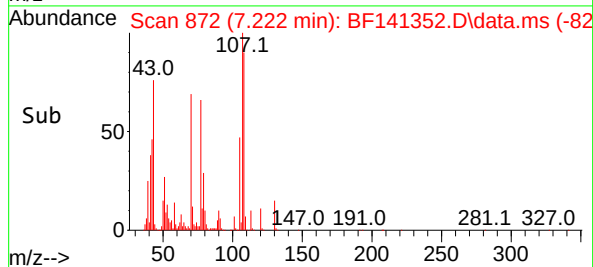
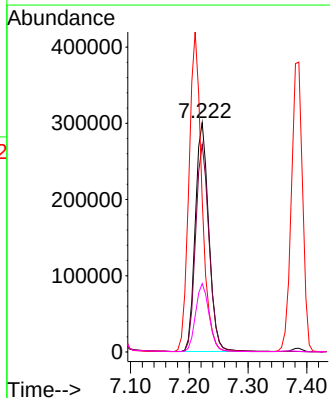
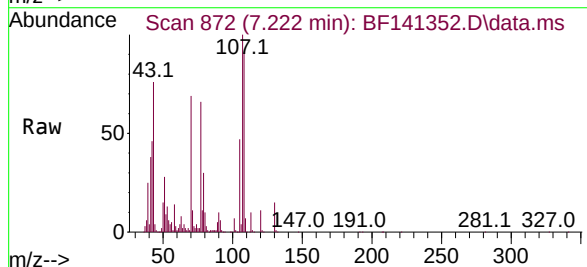
Ion Ratio Lower Upper

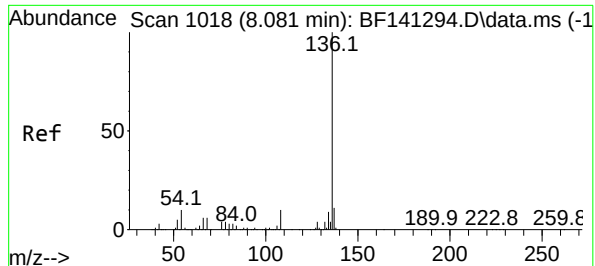
107 100

108 90.5 70.9 110.9

77 66.3 98.5 138.5

79 29.8 9.5 49.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.081 min Scan# 1018

Delta R.T. -0.006 min

Lab File: BF141352.D

Acq: 01 Feb 2025 00:30

Instrument :

BNA_F

ClientSampleId :

B-113-SB02MS

Tgt Ion:136 Resp: 63208

Ion Ratio Lower Upper

136 100

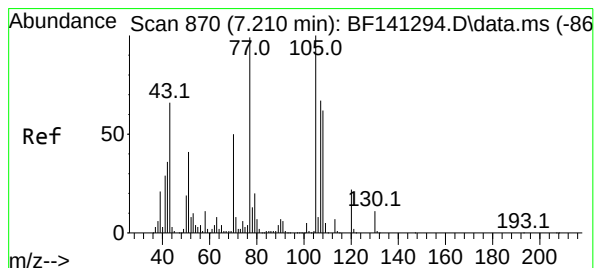
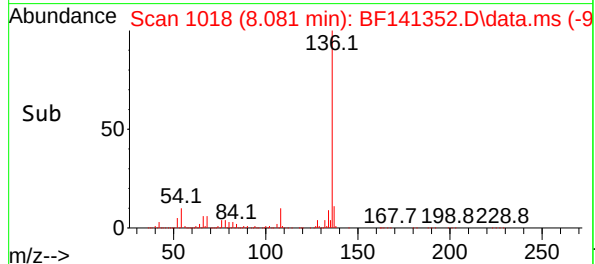
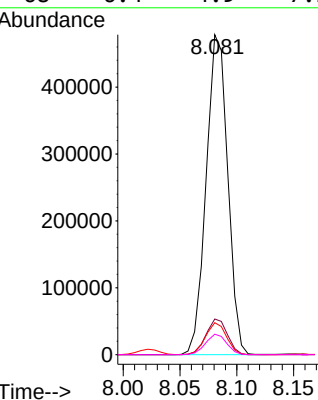
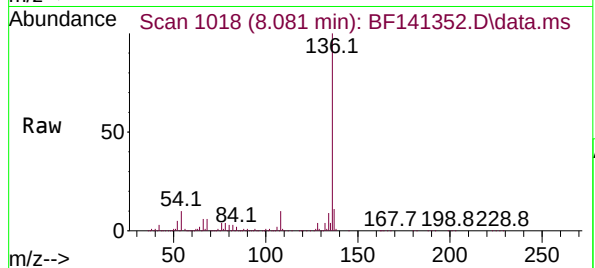
137 11.2 8.6 13.0

54 10.0 7.8 11.8

68 6.4 4.9 7.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#22

Acetophenone

Concen: 42.694 ng

RT: 7.210 min Scan# 870

Delta R.T. -0.006 min

Lab File: BF141352.D

Acq: 01 Feb 2025 00:30

Tgt Ion:105 Resp: 641459

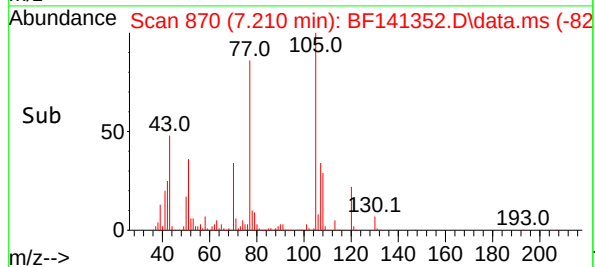
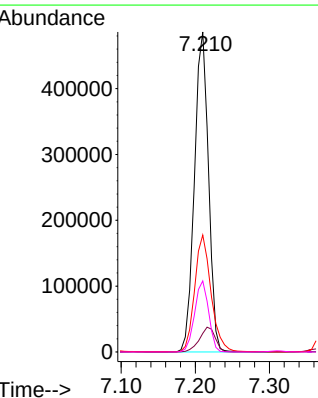
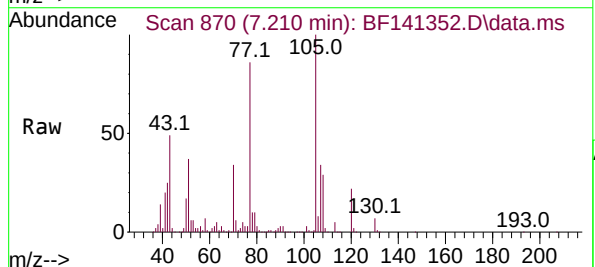
Ion Ratio Lower Upper

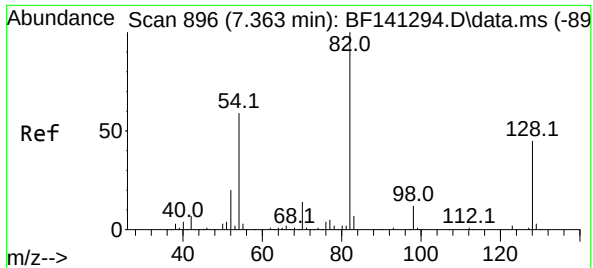
105 100

71 5.8 6.8 10.2#

51 36.6 32.6 49.0

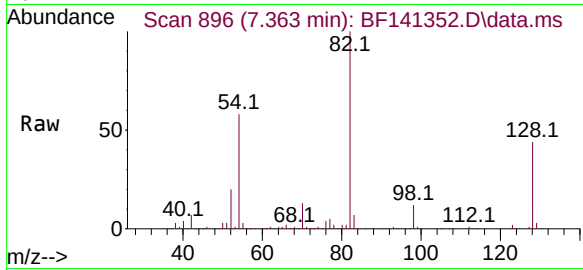
120 22.2 17.4 26.0





#23
Nitrobenzene-d5
Concen: 65.213 ng
RT: 7.363 min Scan# 896
Delta R.T. -0.006 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

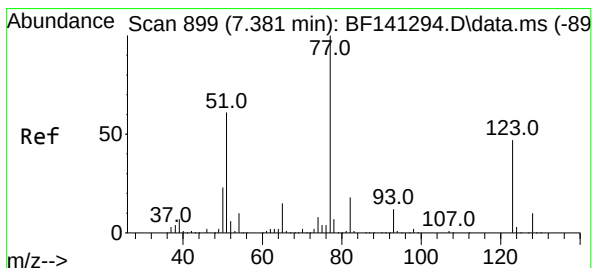
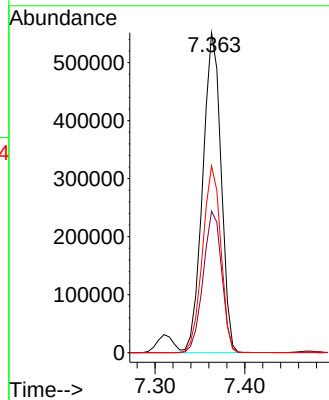
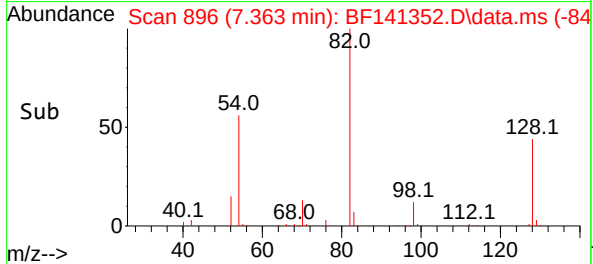
Instrument :
BNA_F
ClientSampleId :
B-113-SB02MS



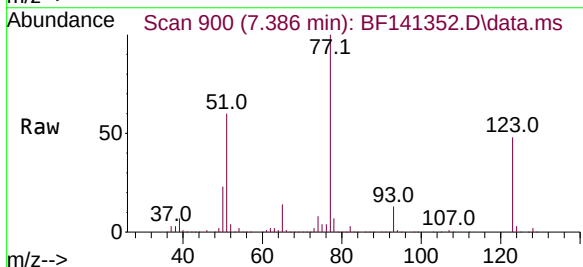
Tgt Ion: 82 Resp: 781915
Ion Ratio Lower Upper
82 100
128 44.2 35.7 53.5
54 58.4 47.1 70.7

Manual Integrations
APPROVED

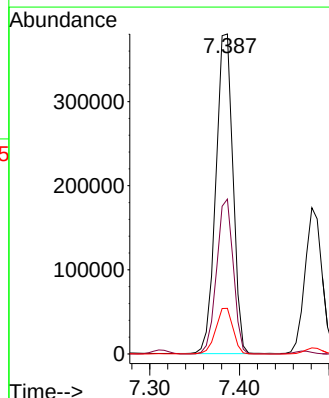
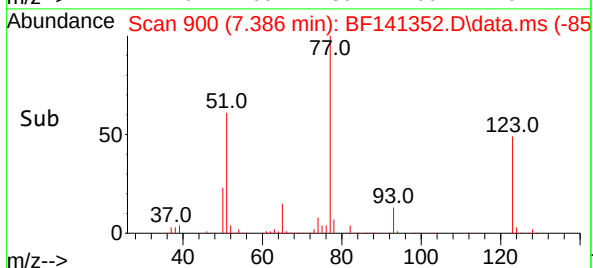
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

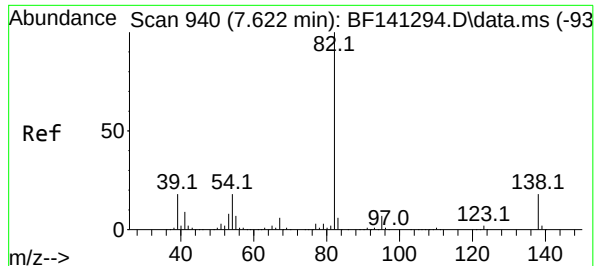


#24
Nitrobenzene
Concen: 40.443 ng
RT: 7.386 min Scan# 900
Delta R.T. -0.006 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30



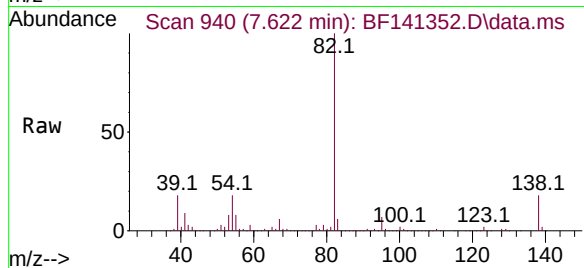
Tgt Ion: 77 Resp: 502528
Ion Ratio Lower Upper
77 100
123 48.4 37.3 55.9
65 14.2 11.8 17.6





#25
Isophorone
Concen: 43.053 ng
RT: 7.622 min Scan# 940
Delta R.T. -0.006 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

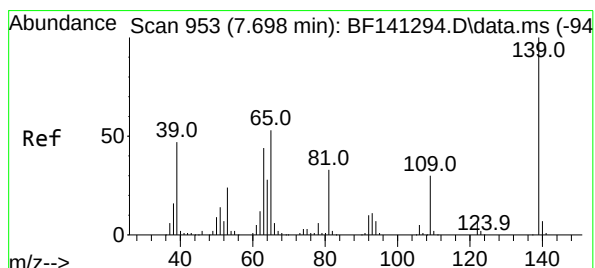
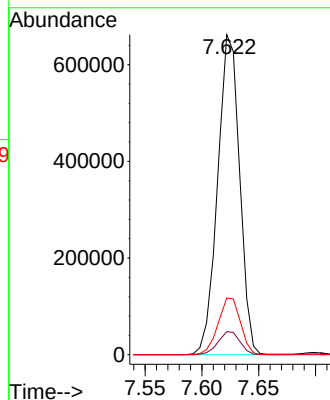
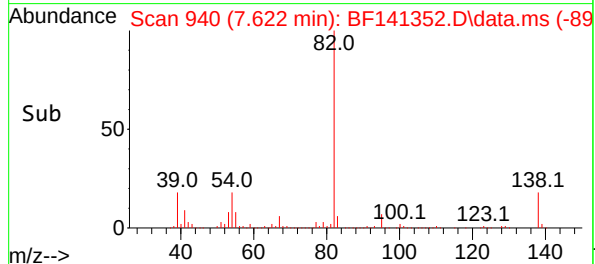
Instrument :
BNA_F
ClientSampleId :
B-113-SB02MS



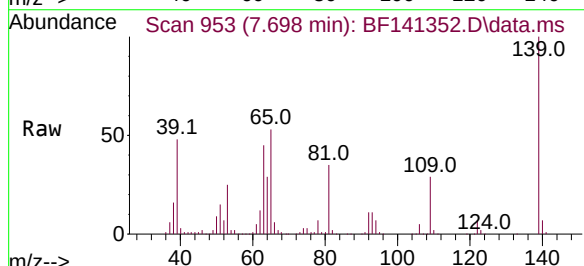
Tgt Ion: 82 Resp: 892320
Ion Ratio Lower Upper
82 100
95 7.2 5.8 8.6
138 17.7 14.7 22.1

Manual Integrations
APPROVED

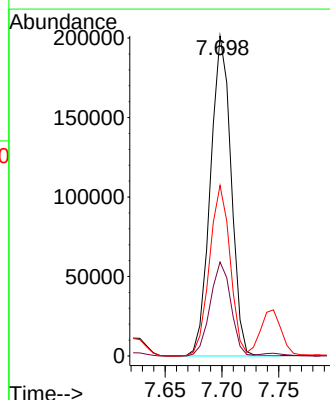
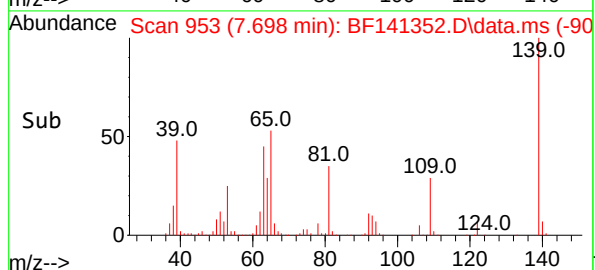
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

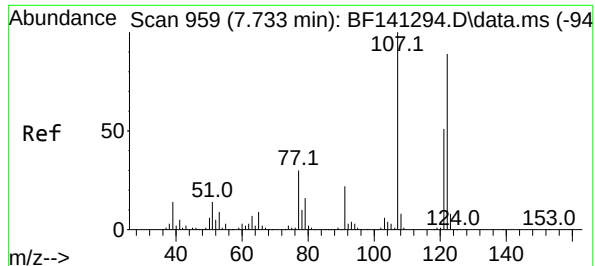


#26
2-Nitrophenol
Concen: 43.531 ng
RT: 7.698 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30



Tgt Ion:139 Resp: 255094
Ion Ratio Lower Upper
139 100
109 29.4 23.8 35.6
65 53.3 42.2 63.4





#27

2,4-Dimethylphenol

Concen: 50.107 ng m

RT: 7.745 min Scan# 90

Delta R.T. 0.006 min

Lab File: BF141352.D

Acq: 01 Feb 2025 00:30

Instrument :

BNA_F

ClientSampleId :

B-113-SB02MS

Tgt Ion:122 Resp: 37374

Ion Ratio Lower Upper

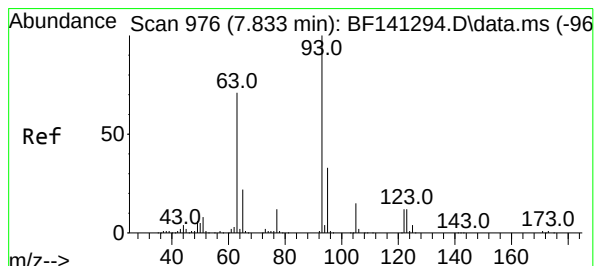
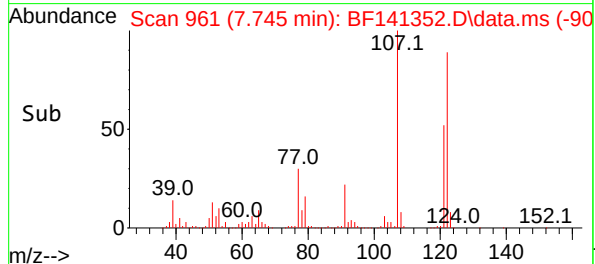
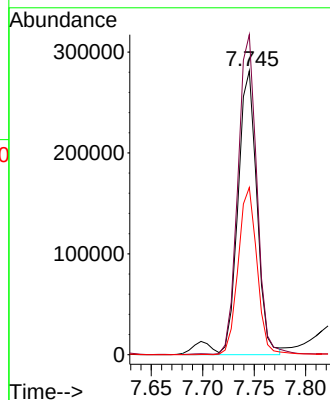
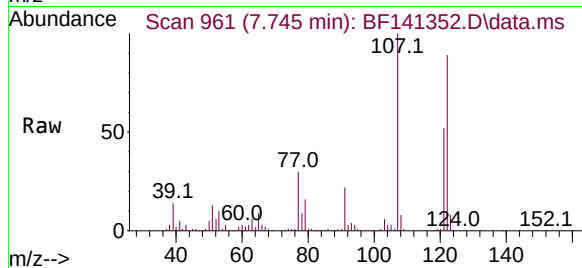
122 100

107 112.7 89.9 134.9

121 58.9 46.1 69.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#28

bis(2-Chloroethoxy)methane

Concen: 42.009 ng

RT: 7.834 min Scan# 976

Delta R.T. -0.006 min

Lab File: BF141352.D

Acq: 01 Feb 2025 00:30

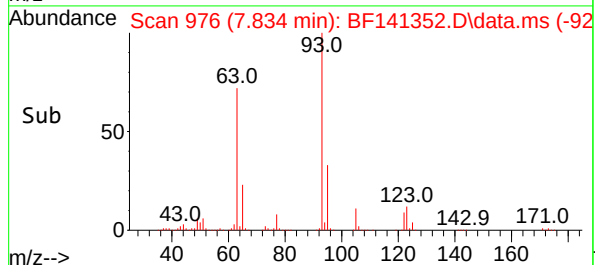
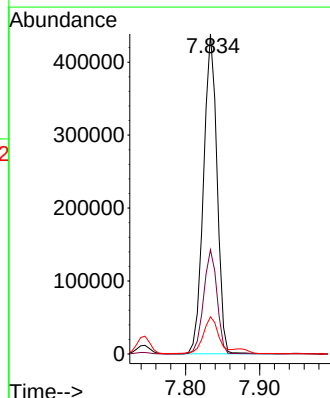
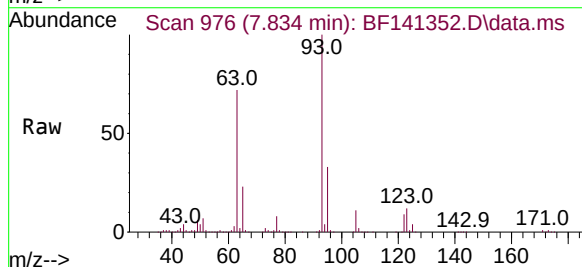
Tgt Ion: 93 Resp: 555377

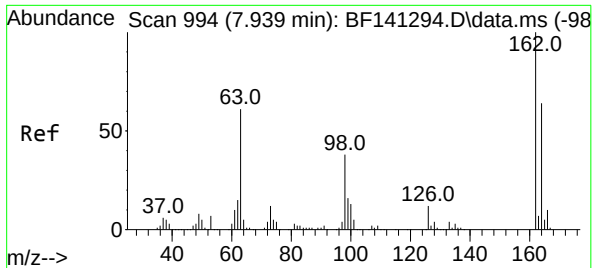
Ion Ratio Lower Upper

93 100

95 32.6 26.2 39.2

123 11.6 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 42.827 ng

RT: 7.951 min Scan# 994

Delta R.T. 0.006 min

Lab File: BF141352.D

Acq: 01 Feb 2025 00:30

Instrument :

BNA_F

ClientSampleId :

B-113-SB02MS

Tgt Ion:162 Resp: 39106

Ion Ratio Lower Upper

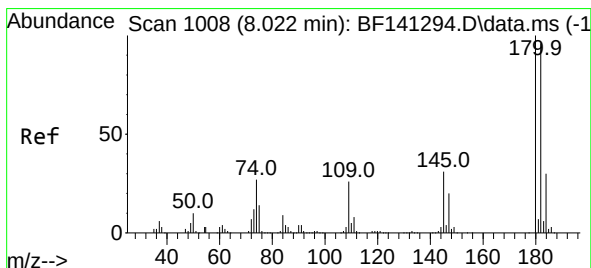
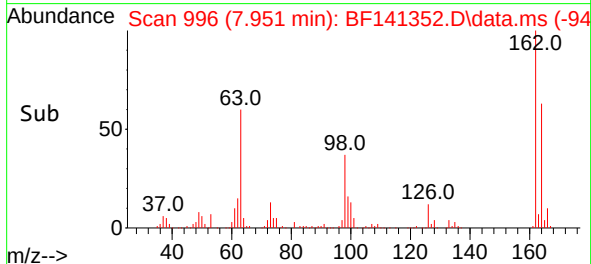
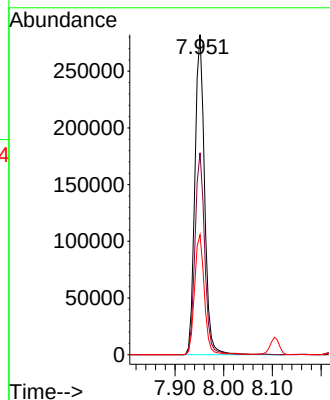
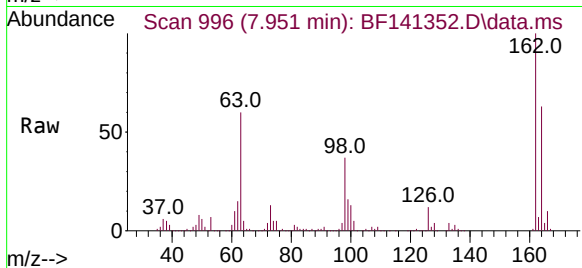
162 100

164 63.1 44.2 84.2

98 37.5 18.2 58.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#30

1,2,4-Trichlorobenzene

Concen: 39.069 ng

RT: 8.022 min Scan# 1008

Delta R.T. -0.006 min

Lab File: BF141352.D

Acq: 01 Feb 2025 00:30

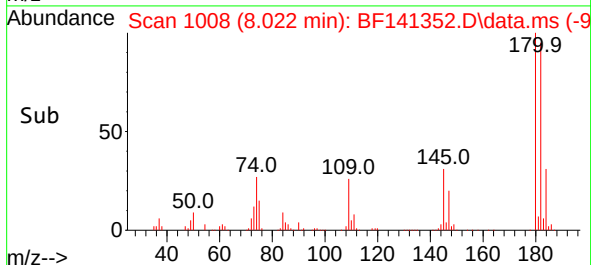
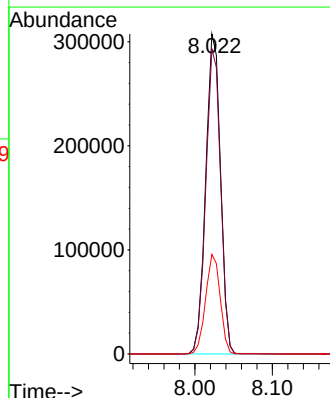
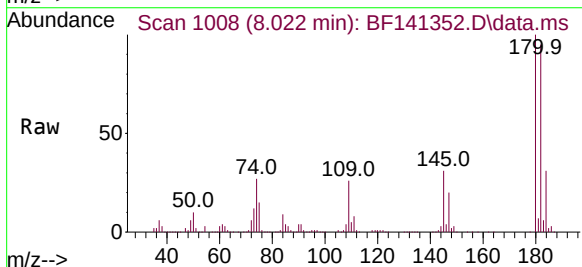
Tgt Ion:180 Resp: 407421

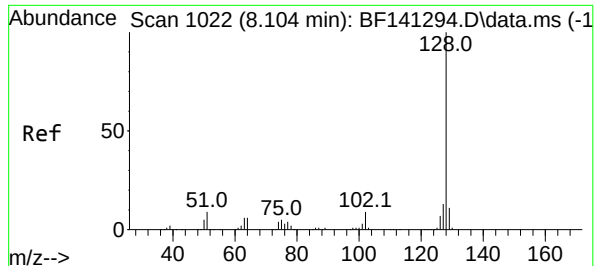
Ion Ratio Lower Upper

180 100

182 95.3 76.4 114.6

145 31.1 24.9 37.3





#31

Naphthalene

Concen: 40.119 ng

RT: 8.104 min Scan# 1022

Delta R.T. -0.006 min

Lab File: BF141352.D

Acq: 01 Feb 2025 00:30

Instrument :

BNA_F

ClientSampleId :

B-113-SB02MS

Tgt Ion:128 Resp: 133961

Ion Ratio Lower Upper

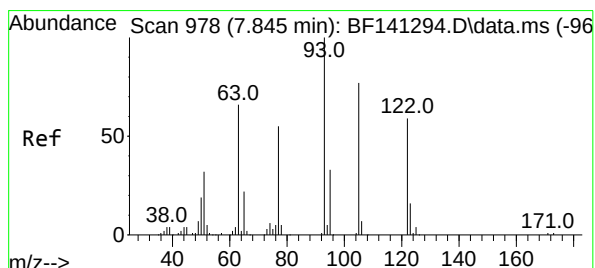
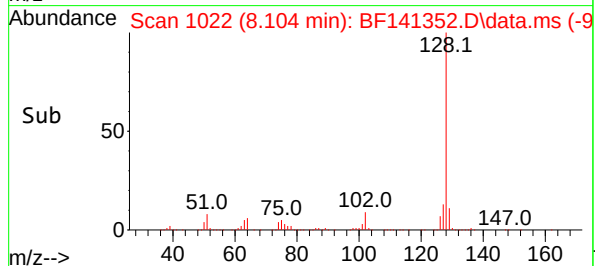
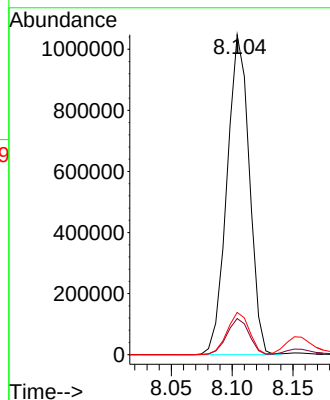
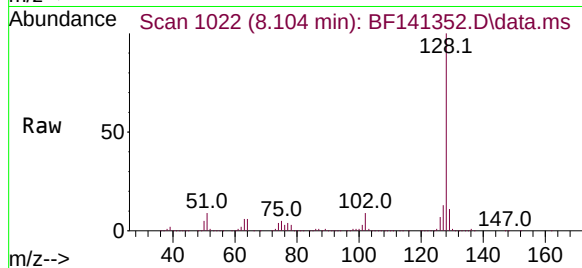
128 100

129 11.3 8.9 13.3

127 13.2 10.6 15.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#32

Benzoic acid

Concen: 42.771 ng

RT: 7.875 min Scan# 983

Delta R.T. -0.006 min

Lab File: BF141352.D

Acq: 01 Feb 2025 00:30

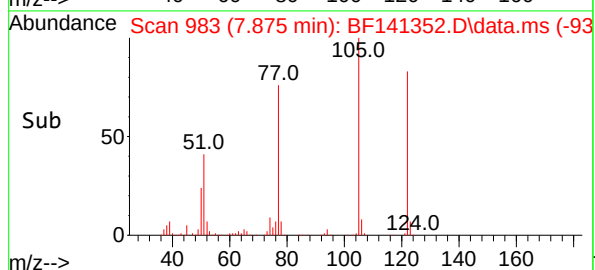
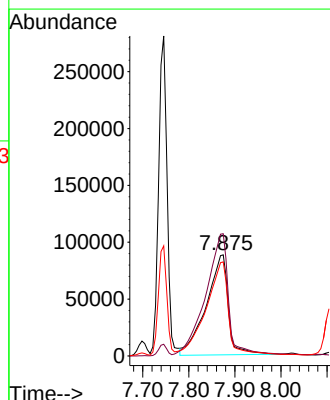
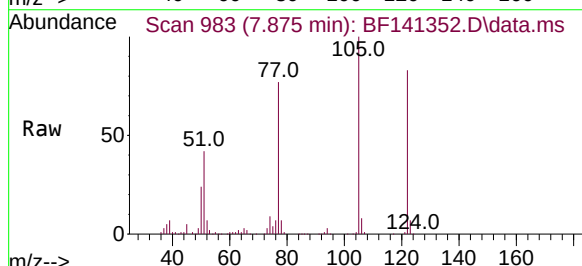
Tgt Ion:122 Resp: 293276

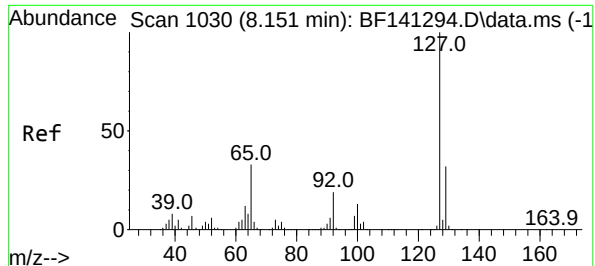
Ion Ratio Lower Upper

122 100

105 121.0 103.4 143.4

77 93.1 70.9 110.9





#33

4-Chloroaniline

Concen: 8.796 ng

RT: 8.151 min Scan# 1030

Delta R.T. -0.006 min

Lab File: BF141352.D

Acq: 01 Feb 2025 00:30

Instrument :

BNA_F

ClientSampleId :

B-113-SB02MS

Tgt Ion:127 Resp: 99598

Ion Ratio Lower Upper

127 100

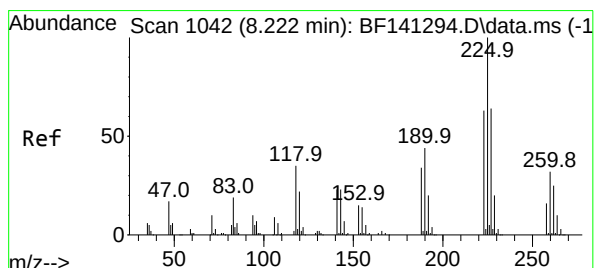
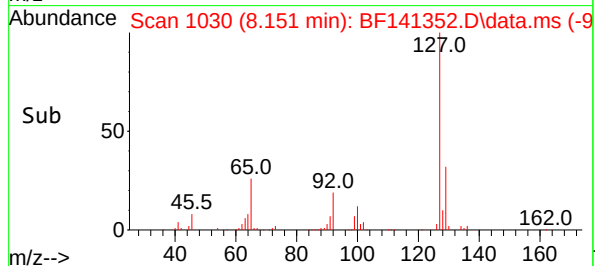
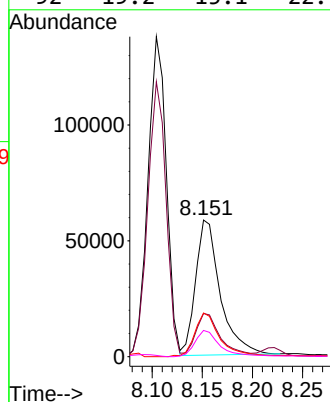
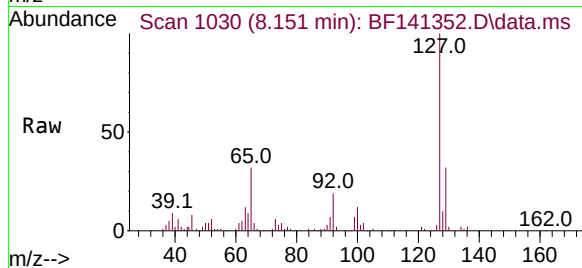
129 31.6 25.7 38.5

65 32.0 26.4 39.6

92 19.2 15.1 22.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#34

Hexachlorobutadiene

Concen: 38.821 ng

RT: 8.222 min Scan# 1042

Delta R.T. -0.000 min

Lab File: BF141352.D

Acq: 01 Feb 2025 00:30

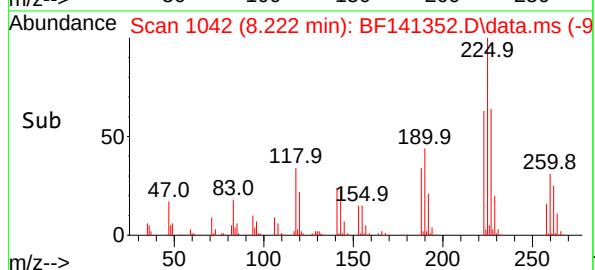
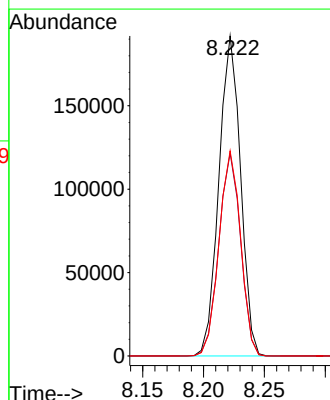
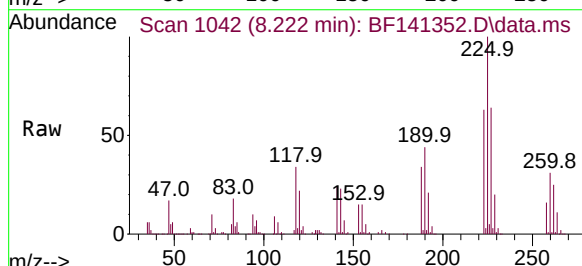
Tgt Ion:225 Resp: 237412

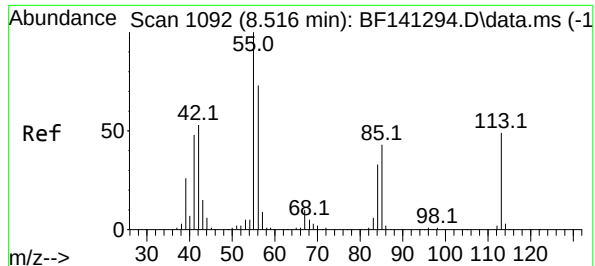
Ion Ratio Lower Upper

225 100

223 63.3 50.4 75.6

227 64.1 51.3 76.9





#35

Caprolactam

Concen: 43.427 ng m

RT: 8.522 min Scan# 1093

Delta R.T. -0.024 min

Lab File: BF141352.D

Acq: 01 Feb 2025 00:30

Instrument :

BNA_F

ClientSampleId :

B-113-SB02MS

Tgt Ion:113 Resp: 129509

Ion Ratio Lower Upper

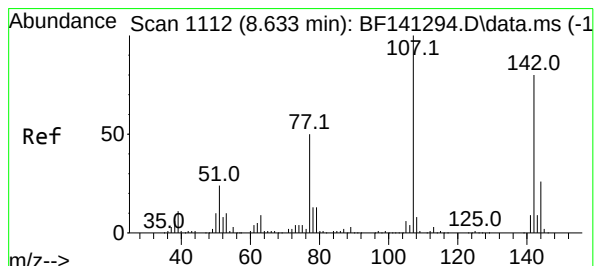
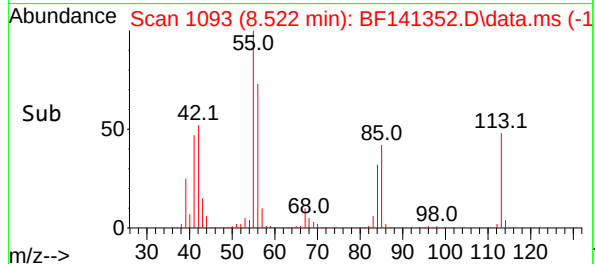
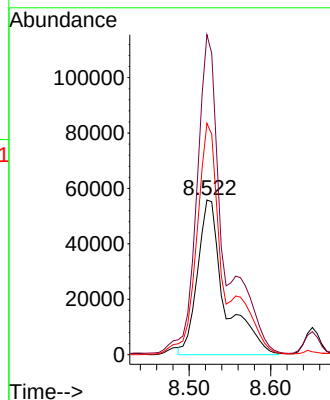
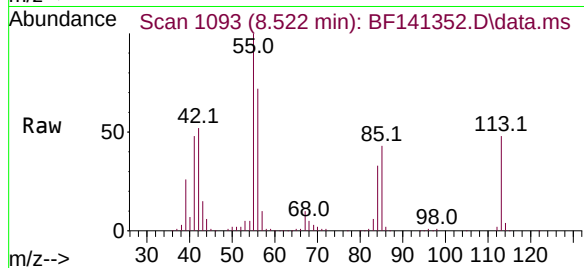
113 100

55 206.9 182.9 222.9

56 149.6 127.9 167.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#36

4-Chloro-3-methylphenol

Concen: 42.094 ng

RT: 8.651 min Scan# 1115

Delta R.T. 0.012 min

Lab File: BF141352.D

Acq: 01 Feb 2025 00:30

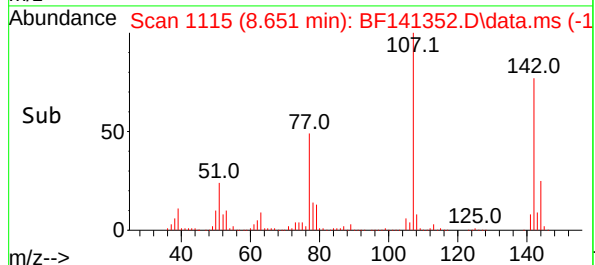
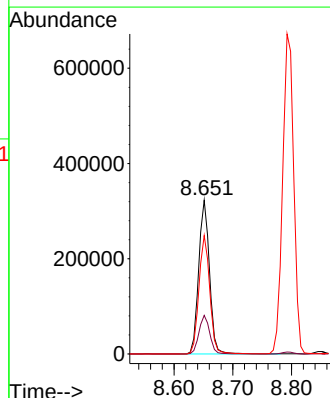
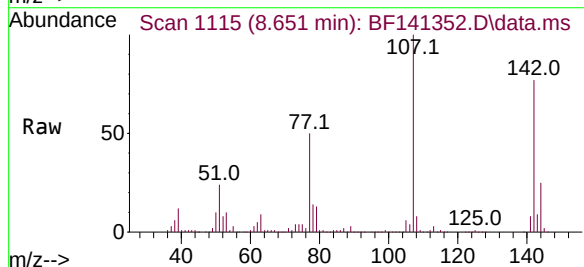
Tgt Ion:107 Resp: 412298

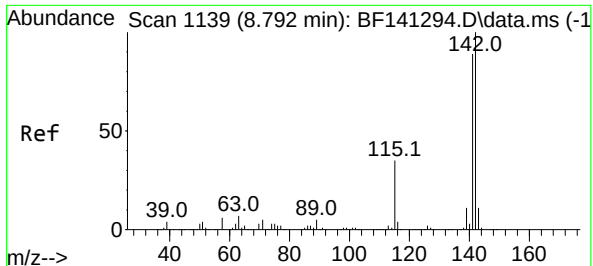
Ion Ratio Lower Upper

107 100

144 25.1 20.7 31.1

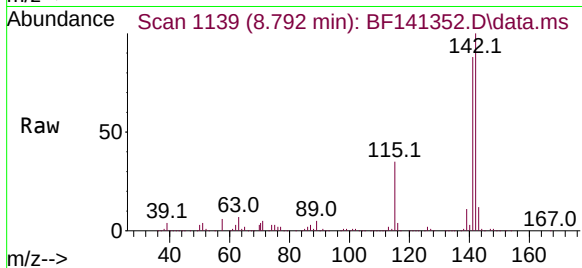
142 77.0 63.8 95.8





#37
2-Methylnaphthalene
Concen: 41.263 ng
RT: 8.792 min Scan# 1139
Delta R.T. -0.006 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

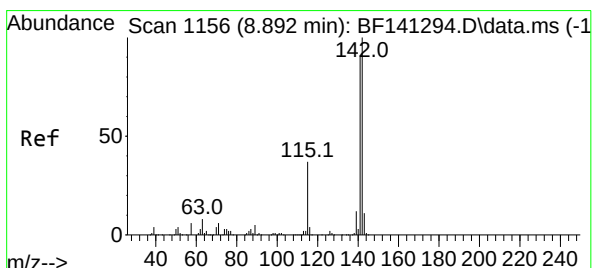
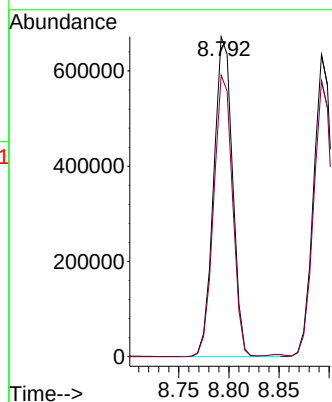
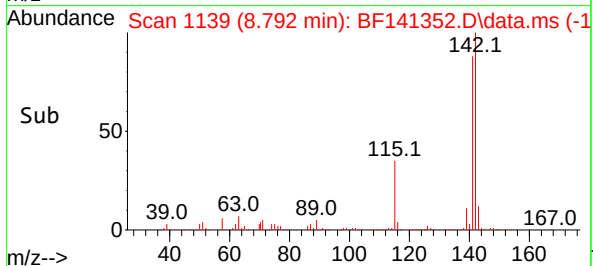
Instrument :
BNA_F
ClientSampleId :
B-113-SB02MS



Tgt Ion:142 Resp: 875724
Ion Ratio Lower Upper
142 100
141 88.0 71.3 106.9

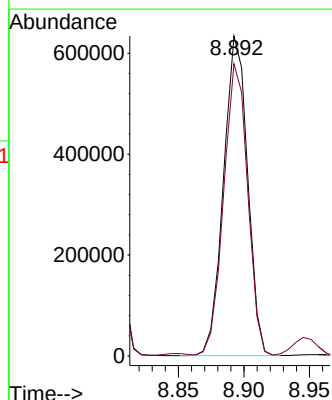
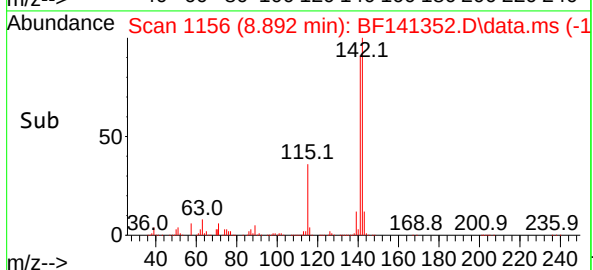
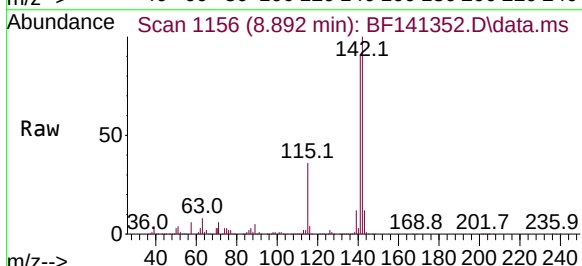
Manual Integrations
APPROVED

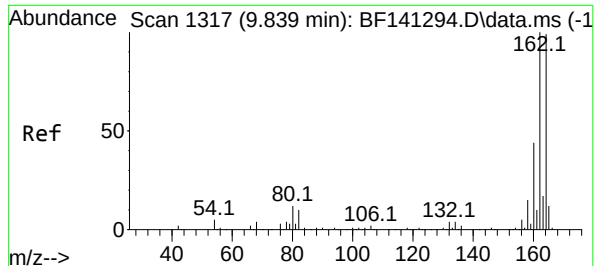
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#38
1-Methylnaphthalene
Concen: 38.739 ng
RT: 8.892 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Tgt Ion:142 Resp: 807610
Ion Ratio Lower Upper
142 100
141 91.3 73.2 109.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.839 min Scan# 1167

Delta R.T. -0.000 min

Lab File: BF141352.D

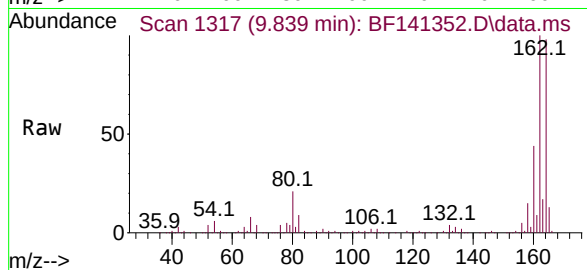
Acq: 01 Feb 2025 00:30

Instrument :

BNA_F

ClientSampleId :

B-113-SB02MS



Tgt Ion:164 Resp: 327389

Ion Ratio Lower Upper

164 100

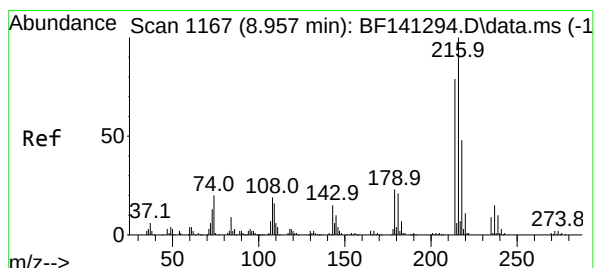
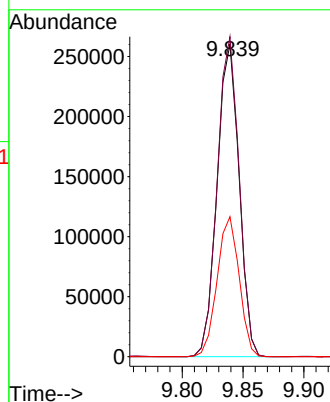
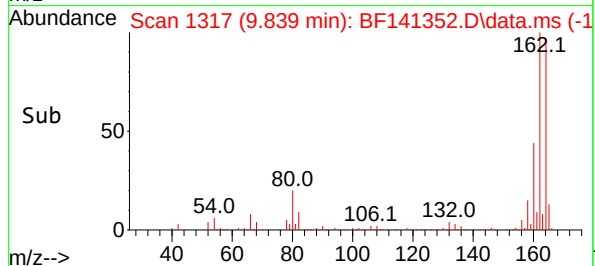
162 102.4 80.6 121.0

160 44.8 35.8 53.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
 Supervised By :mohammad ahmed 02/04/2025



#40

1,2,4,5-Tetrachlorobenzene

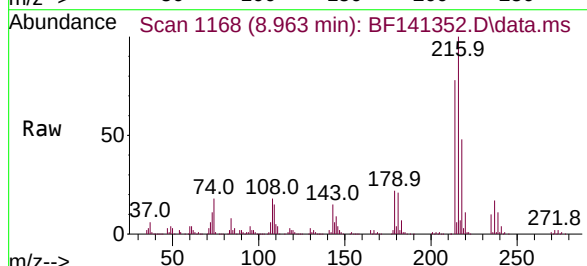
Concen: 41.976 ng

RT: 8.963 min Scan# 1168

Delta R.T. -0.000 min

Lab File: BF141352.D

Acq: 01 Feb 2025 00:30



Tgt Ion:216 Resp: 390961

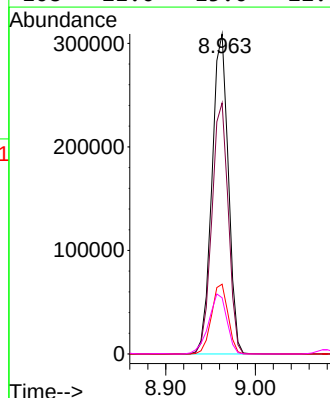
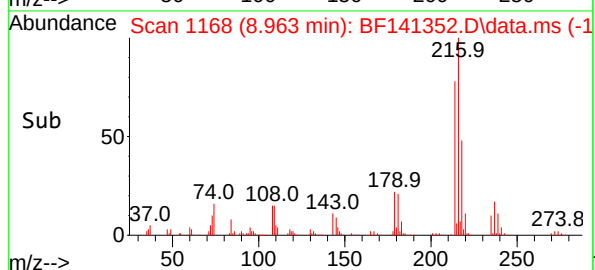
Ion Ratio Lower Upper

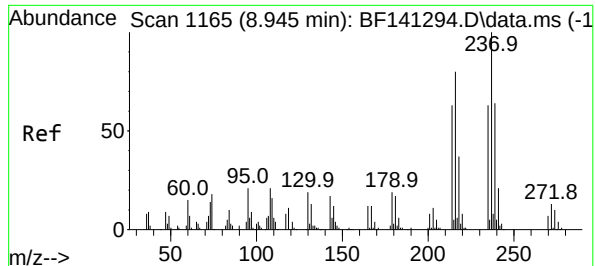
216 100

214 78.7 63.2 94.8

179 22.0 17.8 26.8

108 21.0 15.0 22.6





#41

Hexachlorocyclopentadiene

Concen: 133.935 ng

RT: 8.945 min Scan# 1165

Delta R.T. -0.006 min

Lab File: BF141352.D

Acq: 01 Feb 2025 00:30

Instrument :

BNA_F

ClientSampleId :

B-113-SB02MS

Tgt Ion:237 Resp: 368408

Ion Ratio Lower Upper

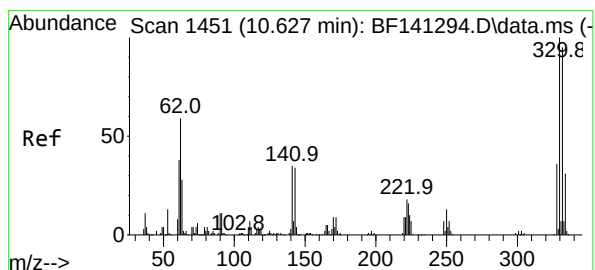
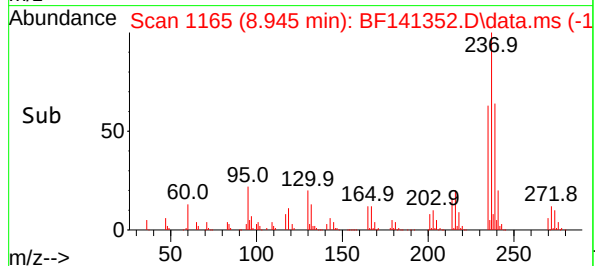
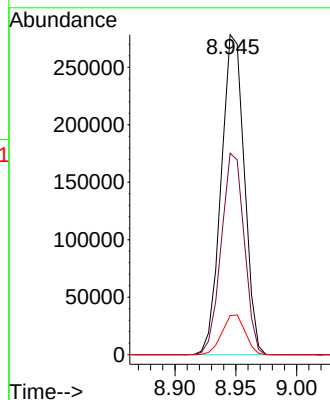
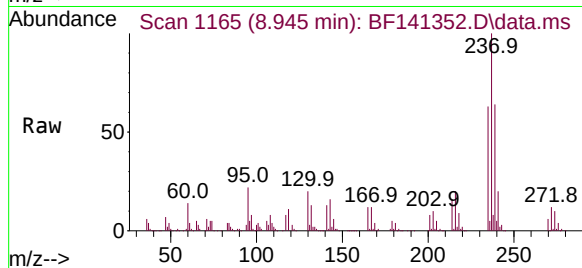
237 100

235 62.9 42.9 82.9

272 12.2 0.0 32.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#42

2,4,6-Tribromophenol

Concen: 92.213 ng

RT: 10.633 min Scan# 1452

Delta R.T. -0.000 min

Lab File: BF141352.D

Acq: 01 Feb 2025 00:30

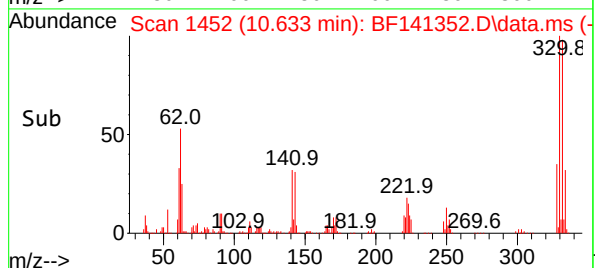
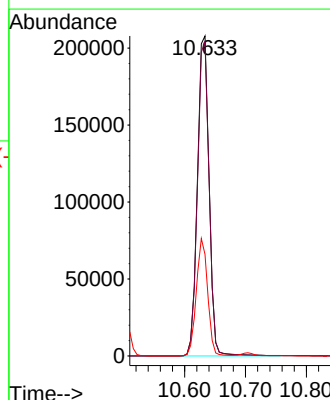
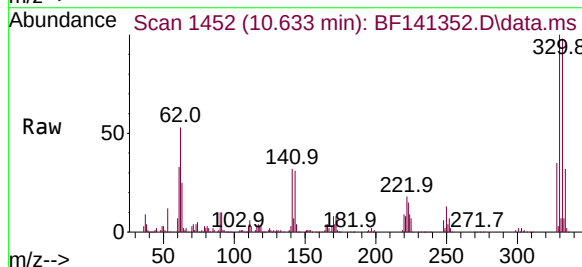
Tgt Ion:330 Resp: 276769

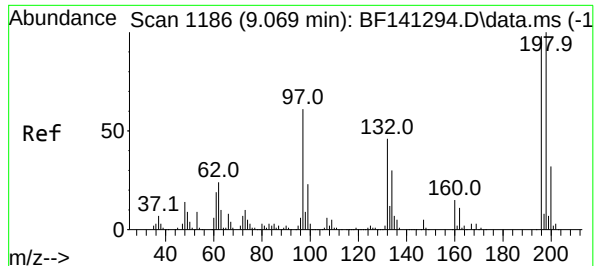
Ion Ratio Lower Upper

330 100

332 98.3 76.1 114.1

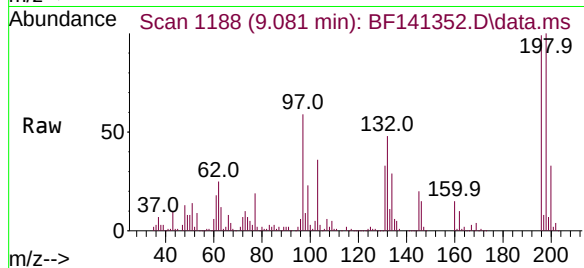
141 35.7 28.8 43.2





#43
2,4,6-Trichlorophenol
Concen: 43.328 ng
RT: 9.081 min Scan# 1186
Delta R.T. 0.006 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

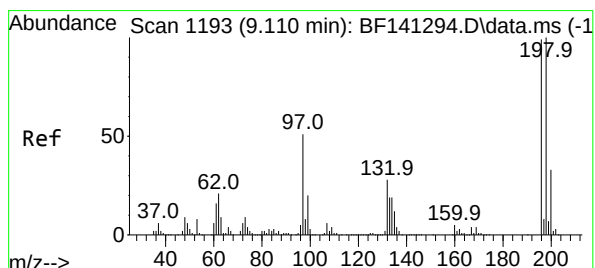
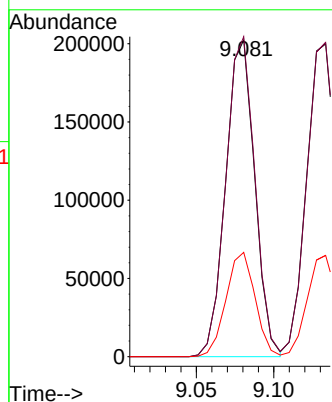
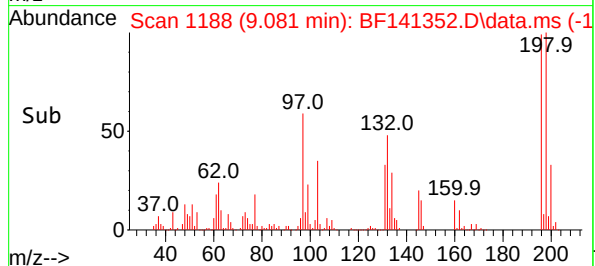
Instrument :
BNA_F
ClientSampleId :
B-113-SB02MS



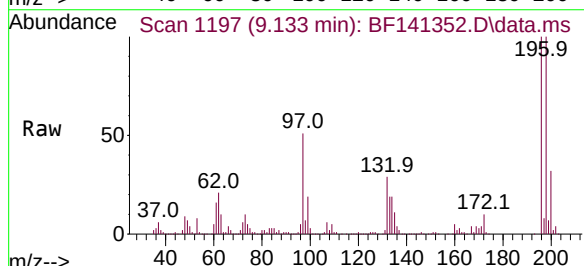
Tgt Ion:196 Resp: 26414
Ion Ratio Lower Upper
196 100
198 101.1 81.8 122.6
200 32.9 26.3 39.5

Manual Integrations
APPROVED

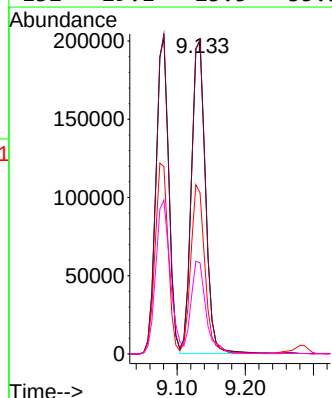
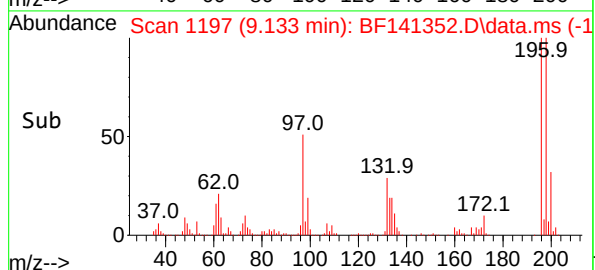
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

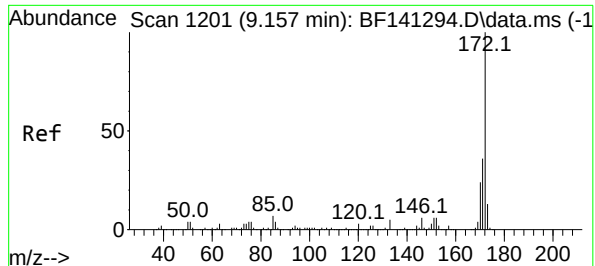


#44
2,4,5-Trichlorophenol
Concen: 42.861 ng
RT: 9.133 min Scan# 1197
Delta R.T. 0.017 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30



Tgt Ion:196 Resp: 284388
Ion Ratio Lower Upper
196 100
198 100.4 80.5 120.7
97 51.5 42.8 64.2
132 29.1 23.5 35.3





#45

2-Fluorobiphenyl

Concen: 61.779 ng

RT: 9.157 min Scan# 1201

Delta R.T. -0.006 min

Lab File: BF141352.D

Acq: 01 Feb 2025 00:30

Instrument :

BNA_F

ClientSampleId :

B-113-SB02MS

Tgt Ion:172 Resp: 131406

Ion Ratio Lower Upper

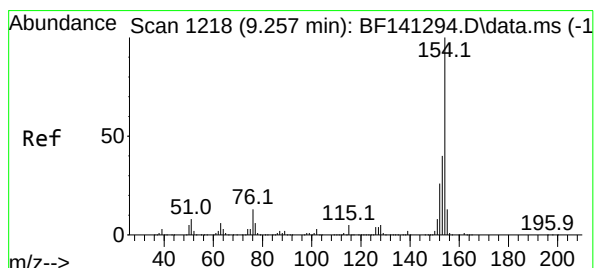
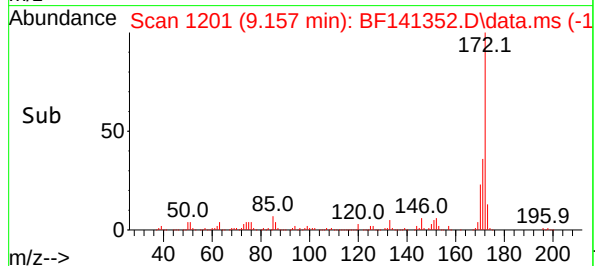
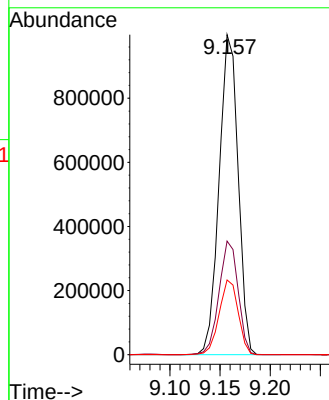
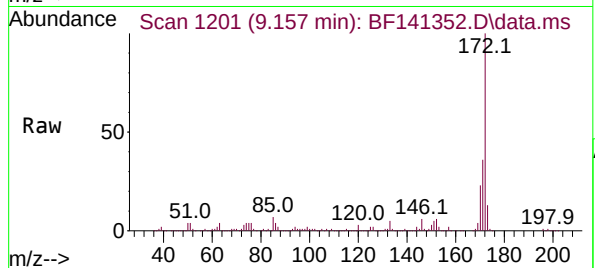
172 100

171 35.5 28.8 43.2

170 23.3 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#46

1,1'-Biphenyl

Concen: 41.919 ng

RT: 9.263 min Scan# 1219

Delta R.T. -0.000 min

Lab File: BF141352.D

Acq: 01 Feb 2025 00:30

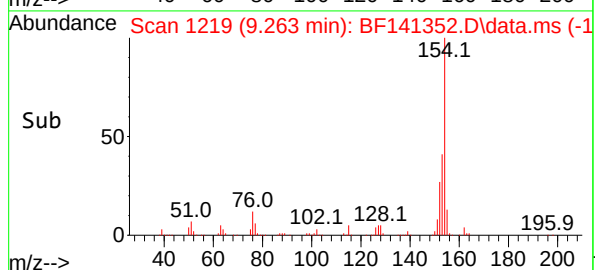
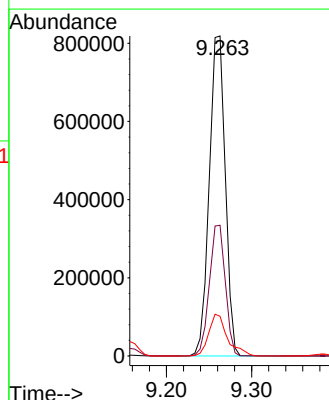
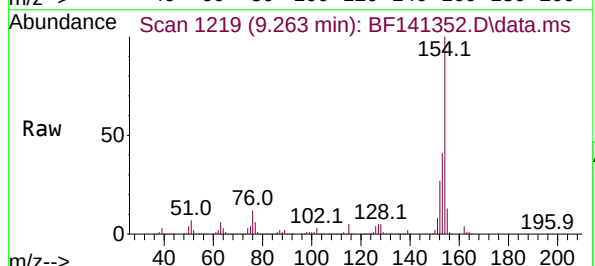
Tgt Ion:154 Resp: 1070294

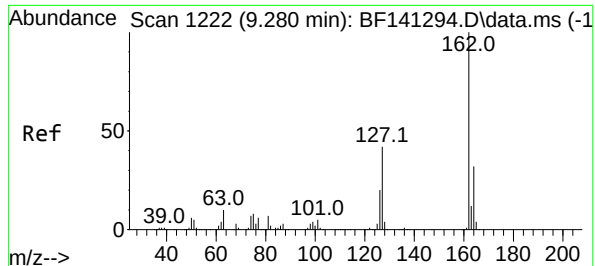
Ion Ratio Lower Upper

154 100

153 40.9 20.0 60.0

76 12.4 0.0 32.8





#47

2-Chloronaphthalene

Concen: 40.168 ng

RT: 9.286 min Scan# 1222

Delta R.T. -0.000 min

Lab File: BF141352.D

Acq: 01 Feb 2025 00:30

Instrument :

BNA_F

ClientSampleId :

B-113-SB02MS

Tgt Ion:162 Resp: 799380

Ion Ratio Lower Upper

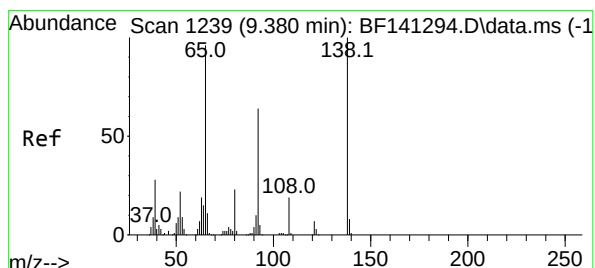
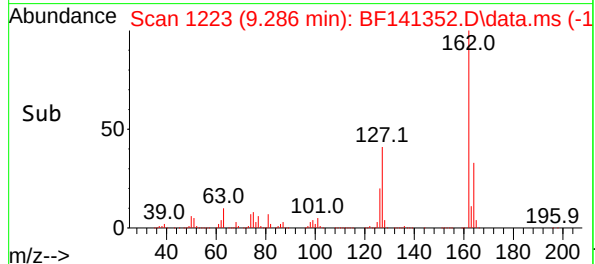
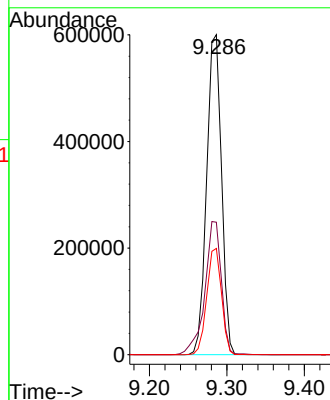
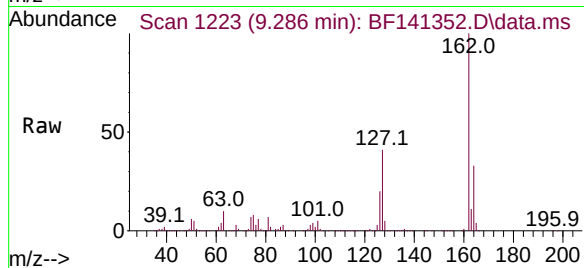
162 100

127 41.4 33.7 50.5

164 33.2 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#48

2-Nitroaniline

Concen: 43.530 ng

RT: 9.380 min Scan# 1239

Delta R.T. -0.000 min

Lab File: BF141352.D

Acq: 01 Feb 2025 00:30

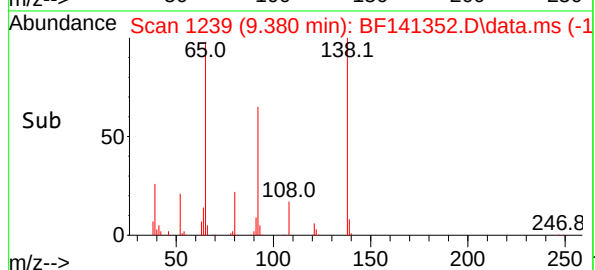
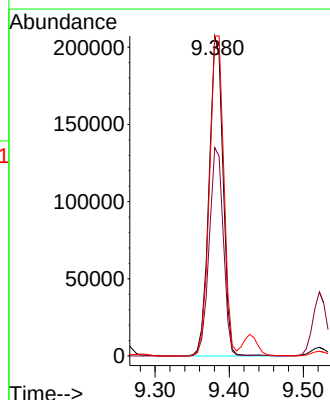
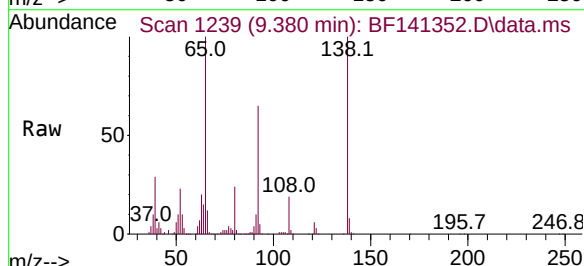
Tgt Ion: 65 Resp: 272485

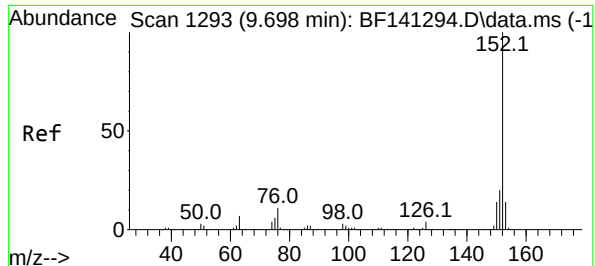
Ion Ratio Lower Upper

65 100

92 65.1 53.3 79.9

138 100.0 83.6 125.4





#49

Acenaphthylene

Concen: 43.870 ng

RT: 9.698 min Scan# 1293

Delta R.T. -0.006 min

Lab File: BF141352.D

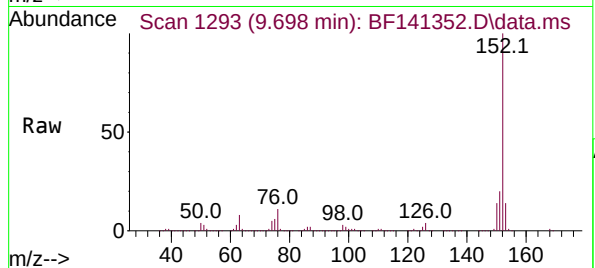
Acq: 01 Feb 2025 00:30

Instrument :

BNA_F

ClientSampleId :

B-113-SB02MS



Tgt Ion:152 Resp: 1222120

Ion Ratio Lower Upper

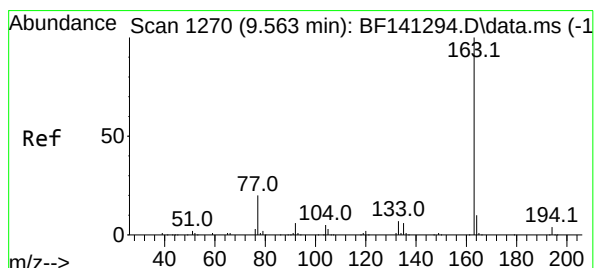
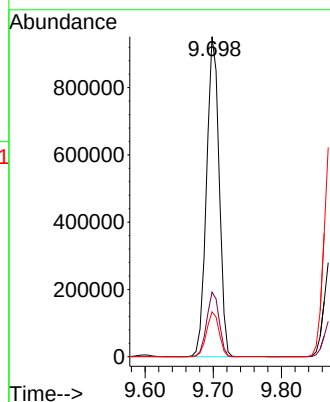
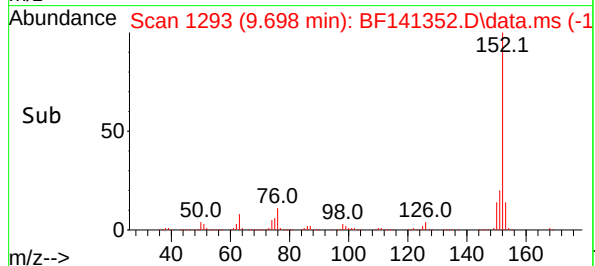
152 100

151 20.2 16.2 24.2

153 14.0 11.0 16.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#50

Dimethylphthalate

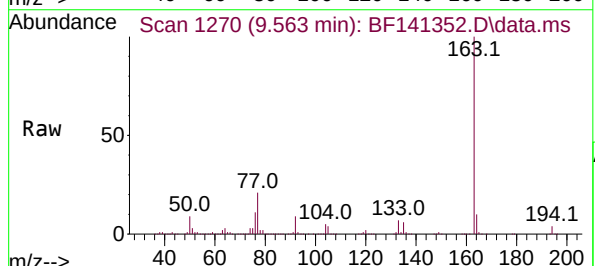
Concen: 43.857 ng

RT: 9.563 min Scan# 1270

Delta R.T. -0.006 min

Lab File: BF141352.D

Acq: 01 Feb 2025 00:30



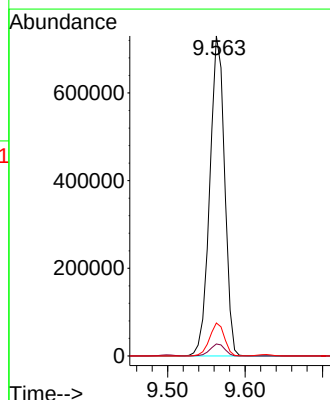
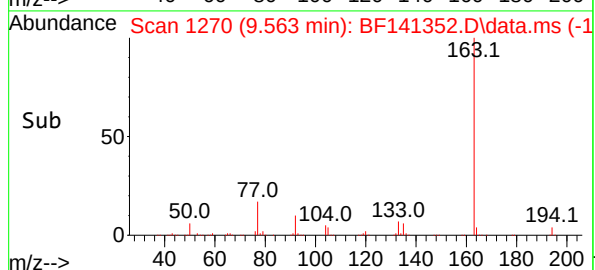
Tgt Ion:163 Resp: 969748

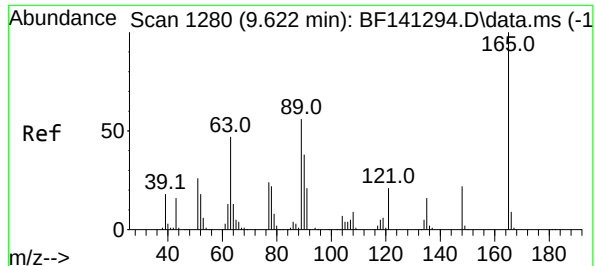
Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.6

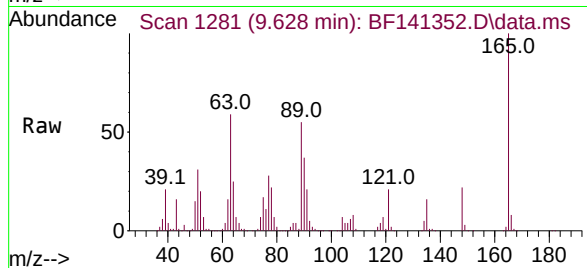
164 10.3 8.0 12.0





#51
2,6-Dinitrotoluene
Concen: 41.273 ng
RT: 9.628 min Scan# 1280
Delta R.T. -0.000 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

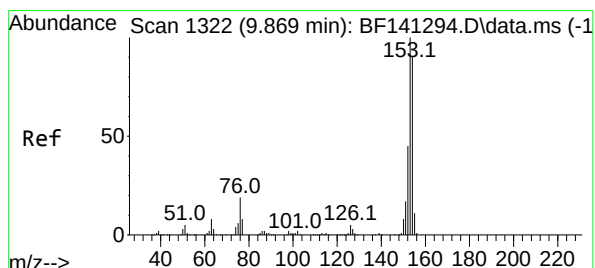
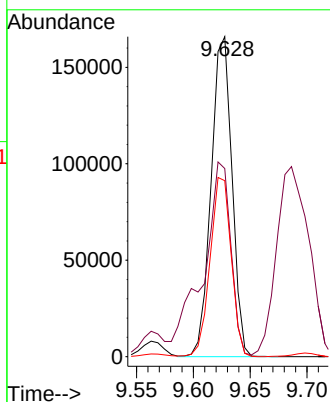
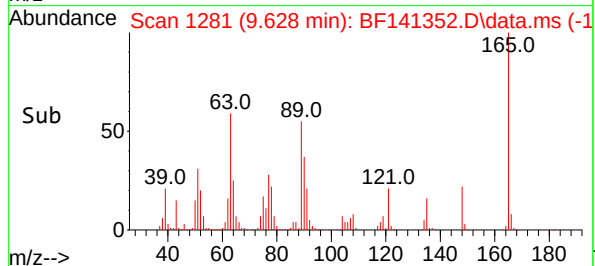
Instrument :
BNA_F
ClientSampleId :
B-113-SB02MS



Tgt Ion:165 Resp: 211898
Ion Ratio Lower Upper
165 100
63 58.8 48.1 72.1
89 55.0 44.9 67.3

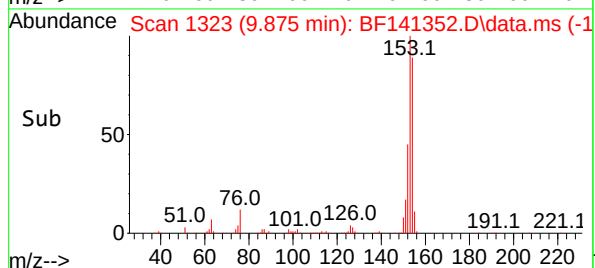
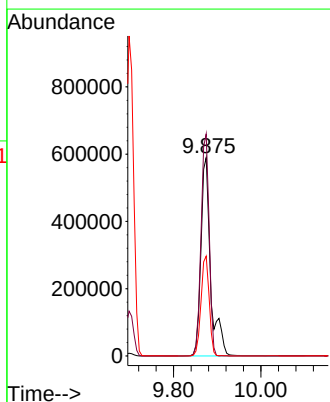
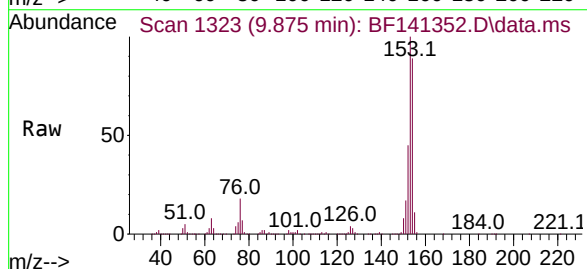
Manual Integrations
APPROVED

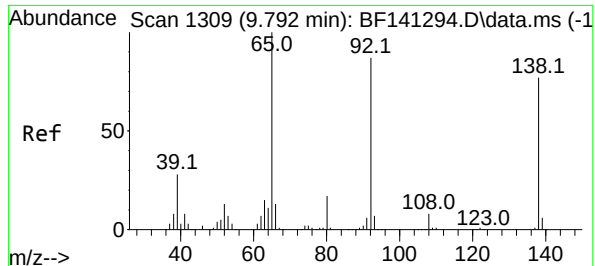
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#52
Acenaphthene
Concen: 46.100 ng
RT: 9.875 min Scan# 1323
Delta R.T. -0.000 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Tgt Ion:154 Resp: 917466
Ion Ratio Lower Upper
154 100
153 112.0 89.0 133.4
152 50.4 40.2 60.4





#53

3-Nitroaniline

Concen: 27.509 ng

RT: 9.792 min Scan# 1309

Delta R.T. -0.006 min

Lab File: BF141352.D

Acq: 01 Feb 2025 00:30

Instrument :

BNA_F

ClientSampleId :

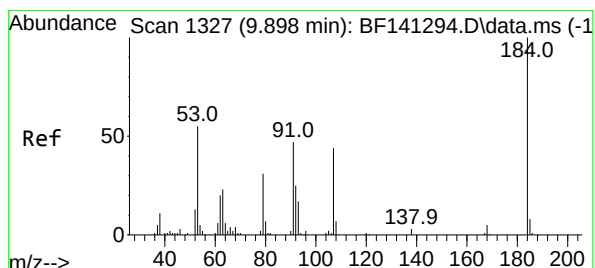
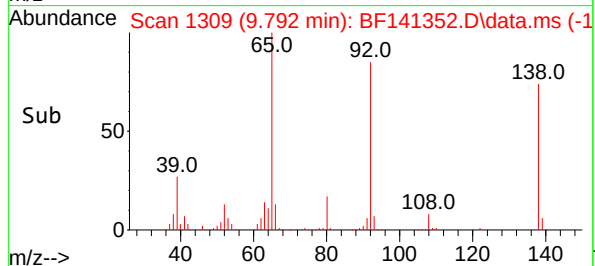
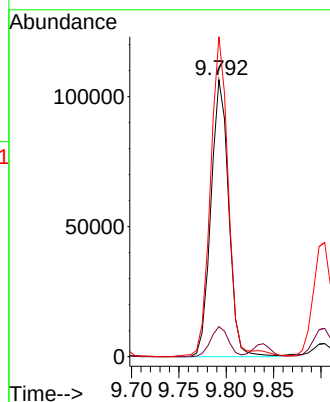
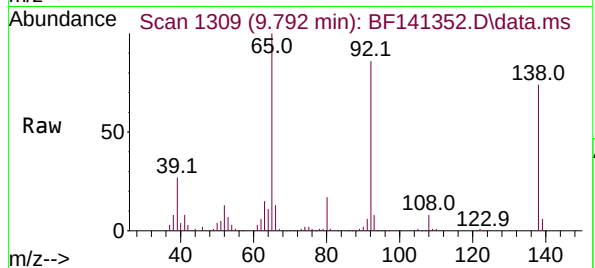
B-113-SB02MS

Tgt Ion:	138	Resp:	138420
Ion	Ratio	Lower	Upper
138	100		
108	10.9	8.6	12.8
92	115.6	91.0	136.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#54

2,4-Dinitrophenol

Concen: 97.163 ng

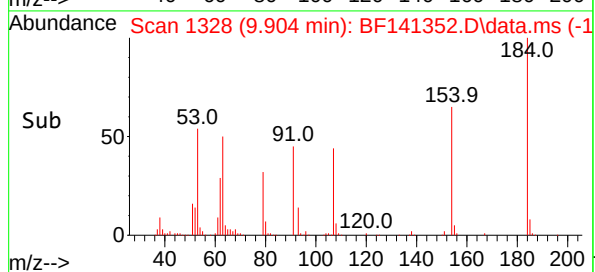
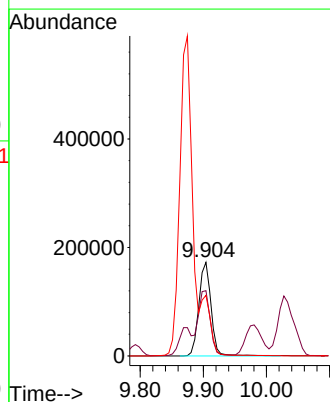
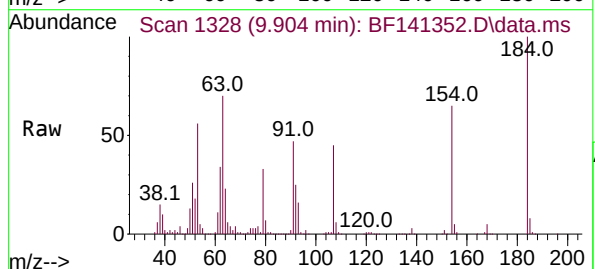
RT: 9.904 min Scan# 1328

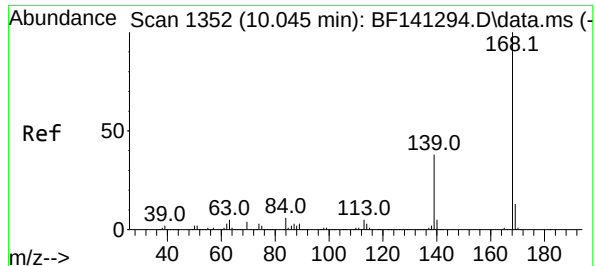
Delta R.T. -0.000 min

Lab File: BF141352.D

Acq: 01 Feb 2025 00:30

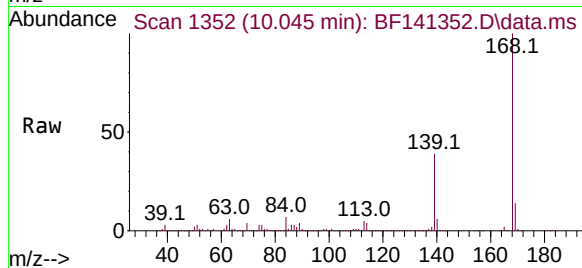
Tgt Ion:	184	Resp:	231891
Ion	Ratio	Lower	Upper
184	100		
63	69.7	54.1	81.1
154	64.8	50.7	76.1





#55
Dibenzenofuran
Concen: 41.404 ng
RT: 10.045 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

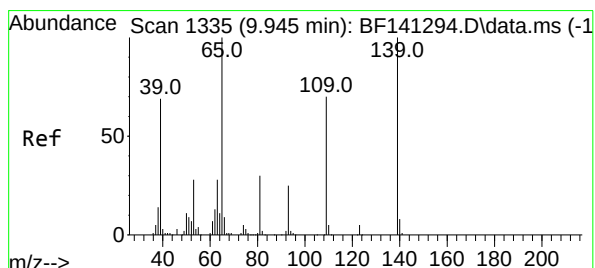
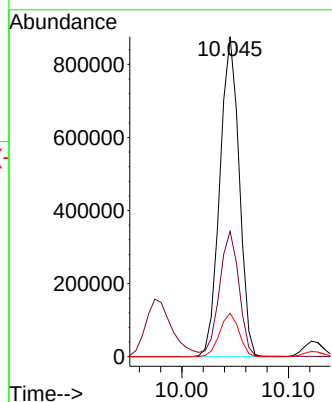
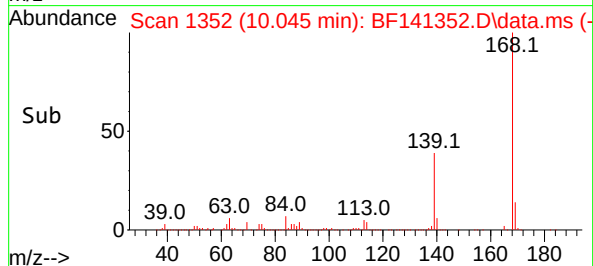
Instrument :
BNA_F
ClientSampleId :
B-113-SB02MS



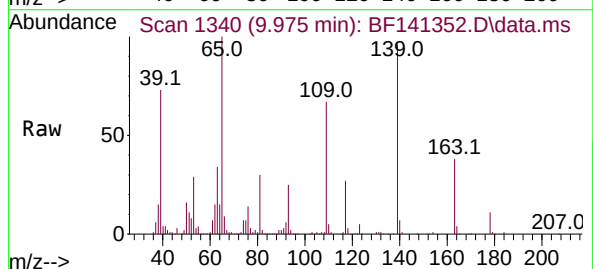
Tgt Ion:168 Resp: 110298
Ion Ratio Lower Upper
168 100
139 39.2 30.6 46.0
169 13.6 10.8 16.2

Manual Integrations
APPROVED

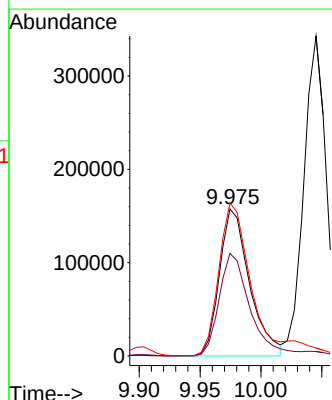
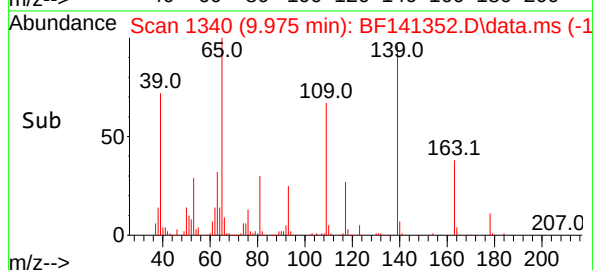
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

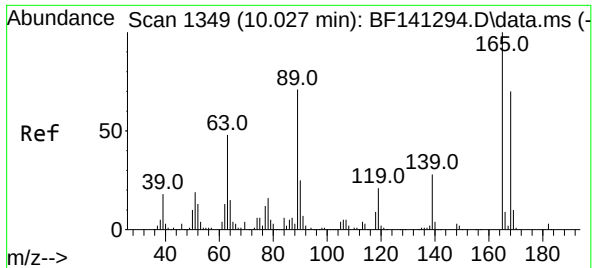


#56
4-Nitrophenol
Concen: 73.603 ng
RT: 9.975 min Scan# 1340
Delta R.T. 0.018 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30



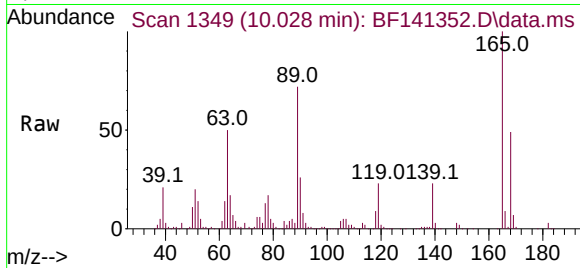
Tgt Ion:139 Resp: 270862
Ion Ratio Lower Upper
139 100
109 69.7 50.2 90.2
65 104.2 80.6 120.6





#57
2,4-Dinitrotoluene
Concen: 42.091 ng
RT: 10.028 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

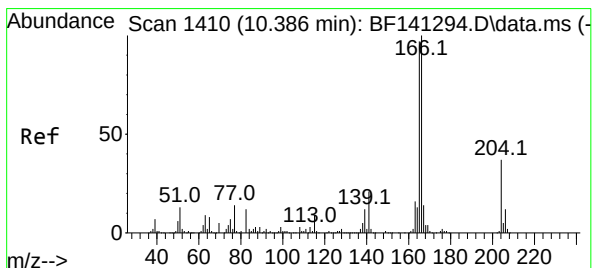
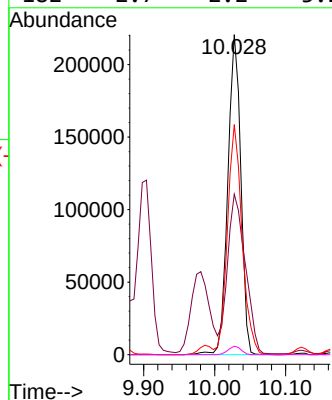
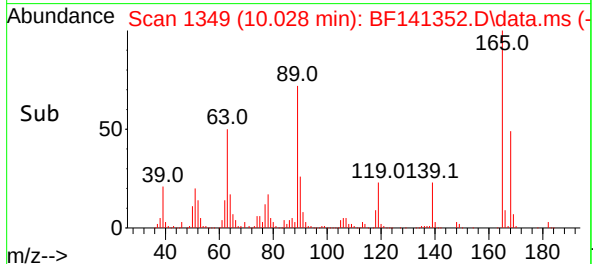
Instrument :
BNA_F
ClientSampleId :
B-113-SB02MS



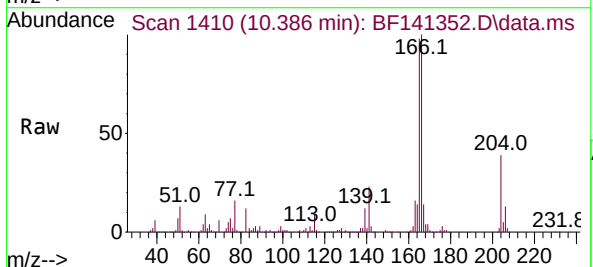
Tgt Ion:165 Resp: 279789
Ion Ratio Lower Upper
165 100
63 50.2 39.2 58.8
89 71.9 56.9 85.3
182 2.7 2.2 3.2

Manual Integrations
APPROVED

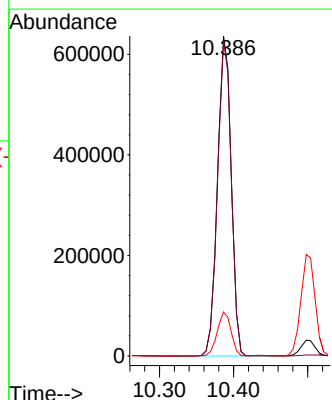
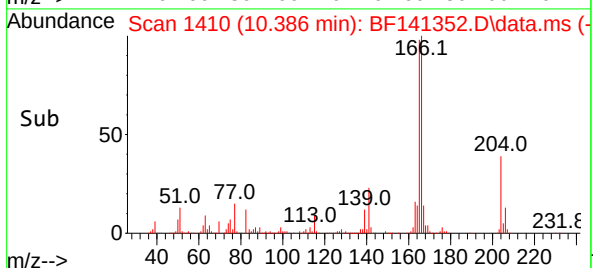
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

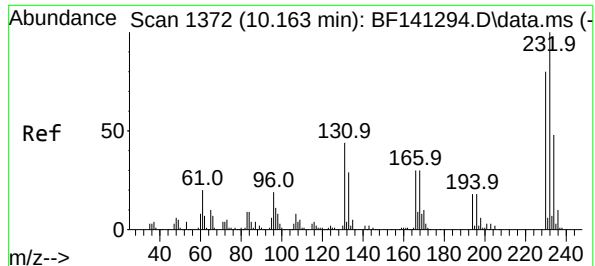


#58
Fluorene
Concen: 39.575 ng
RT: 10.386 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30



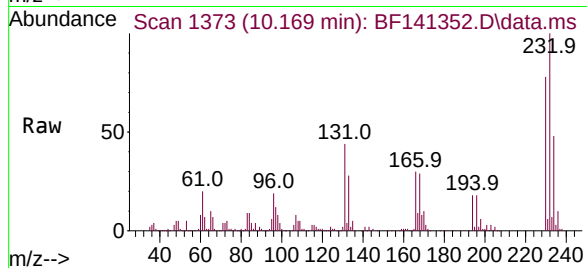
Tgt Ion:166 Resp: 817762
Ion Ratio Lower Upper
166 100
165 98.4 77.5 116.3
167 13.7 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 44.188 ng
RT: 10.169 min Scan# 1372
Delta R.T. 0.006 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

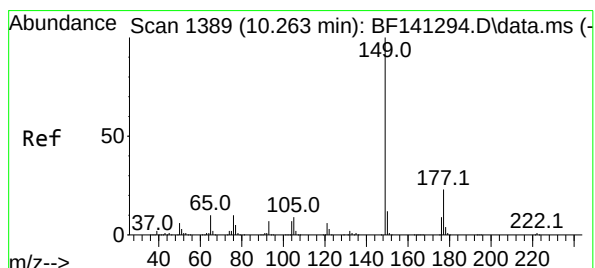
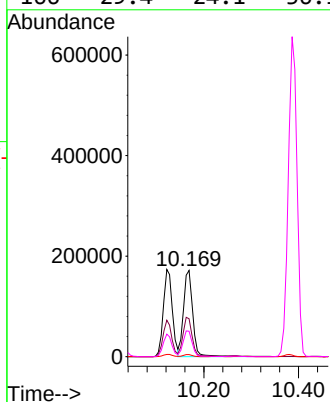
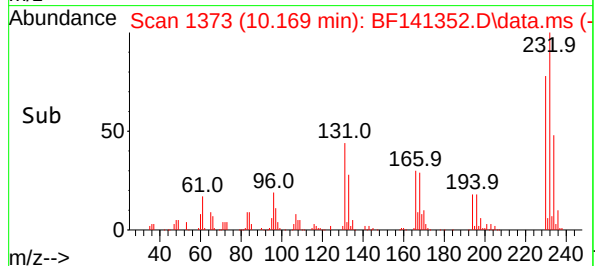
Instrument :
BNA_F
ClientSampleId :
B-113-SB02MS



Tgt Ion:232 Resp: 230651
Ion Ratio Lower Upper
232 100
131 45.6 36.4 54.6
130 2.4 1.9 2.9
166 29.4 24.1 36.1

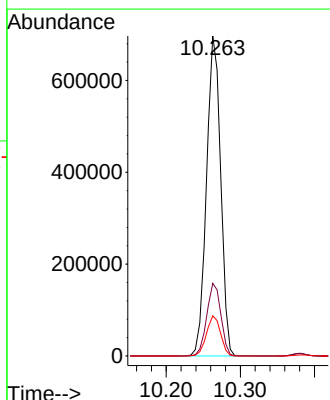
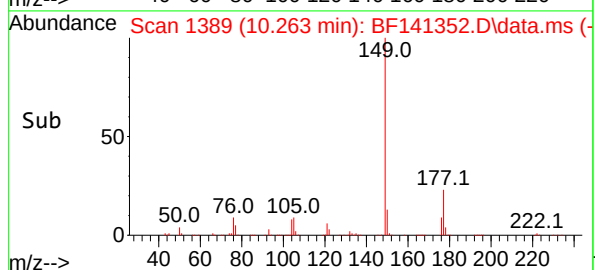
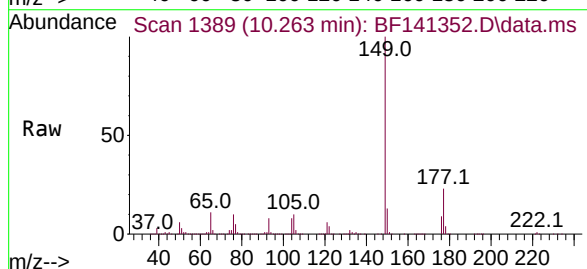
Manual Integrations
APPROVED

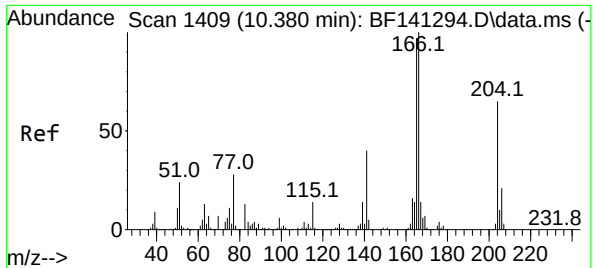
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#60
Diethylphthalate
Concen: 43.075 ng
RT: 10.263 min Scan# 1389
Delta R.T. -0.006 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

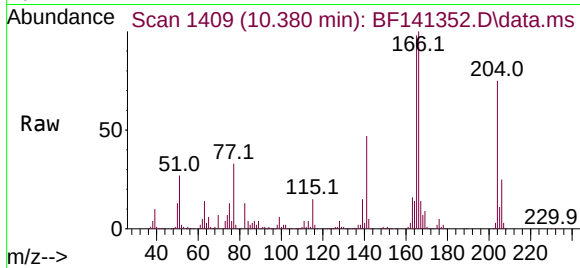
Tgt Ion:149 Resp: 923514
Ion Ratio Lower Upper
149 100
177 22.7 18.5 27.7
150 12.6 10.0 15.0





#61
4-Chlorophenyl-phenylether
Concen: 40.273 ng
RT: 10.380 min Scan# 1409
Delta R.T. -0.000 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

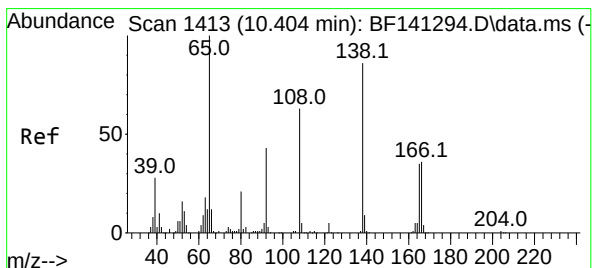
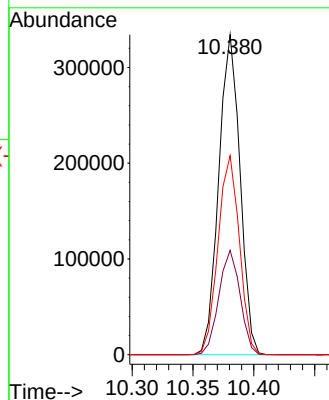
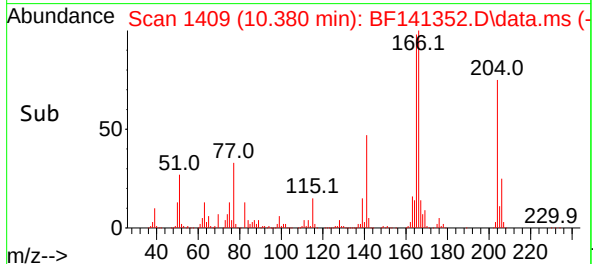
Instrument :
BNA_F
ClientSampleId :
B-113-SB02MS



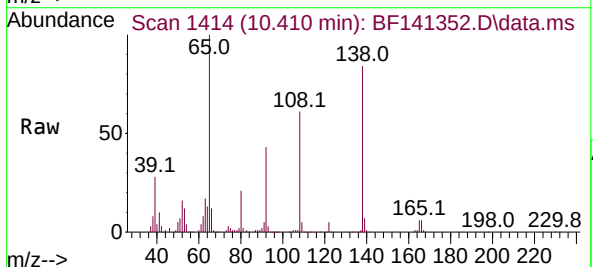
Tgt Ion:204 Resp: 406500
Ion Ratio Lower Upper
204 100
206 32.6 25.9 38.9
141 62.2 49.5 74.3

Manual Integrations
APPROVED

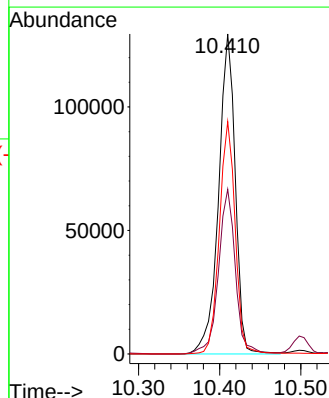
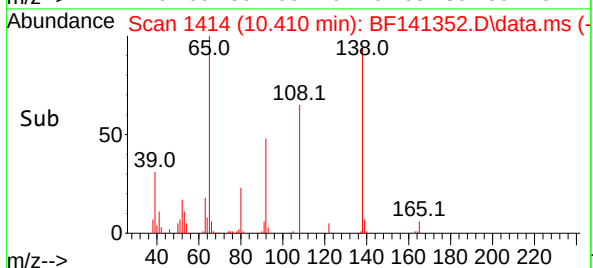
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

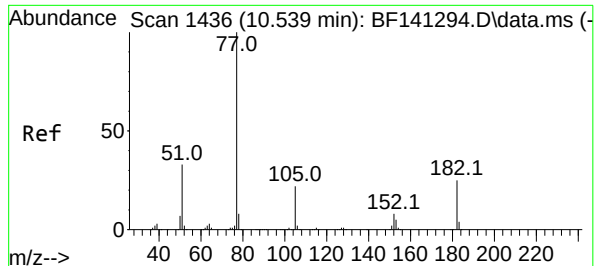


#62
4-Nitroaniline
Concen: 37.489 ng
RT: 10.410 min Scan# 1414
Delta R.T. -0.006 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30



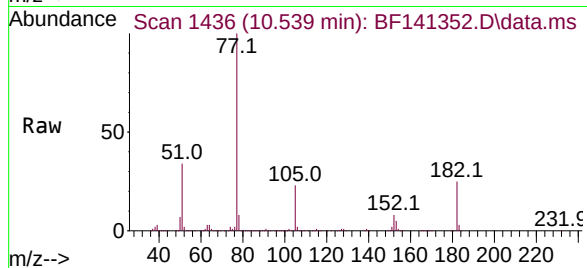
Tgt Ion:138 Resp: 185463
Ion Ratio Lower Upper
138 100
92 51.5 30.1 70.1
108 72.6 53.1 93.1





#63
Azobenzene
Concen: 44.113 ng
RT: 10.539 min Scan# 1436
Delta R.T. -0.006 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

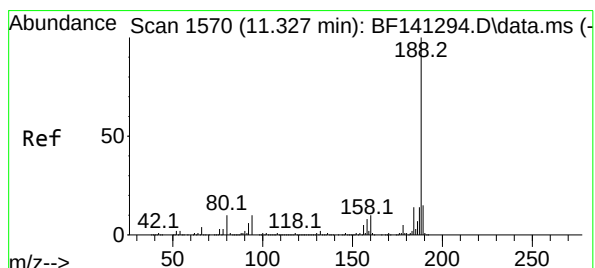
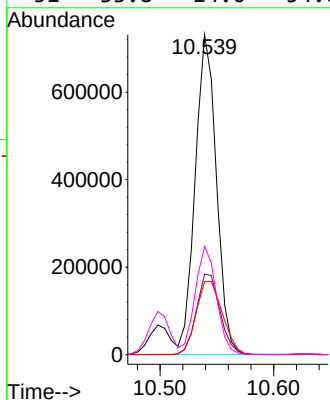
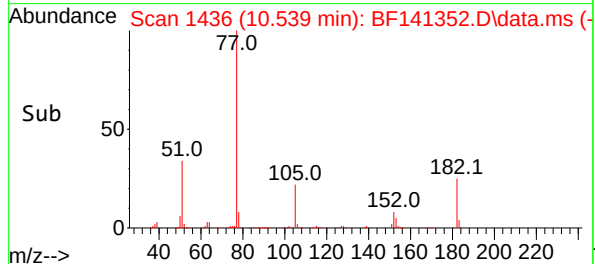
Instrument :
BNA_F
ClientSampleId :
B-113-SB02MS



Tgt Ion: 77 Resp: 946700
Ion Ratio Lower Upper
77 100
182 25.2 5.1 45.1
105 22.8 1.8 41.8
51 33.8 14.0 54.0

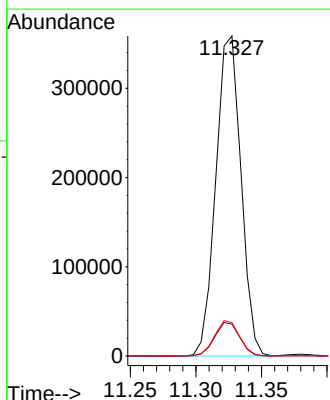
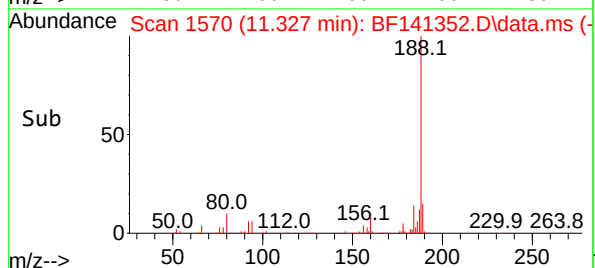
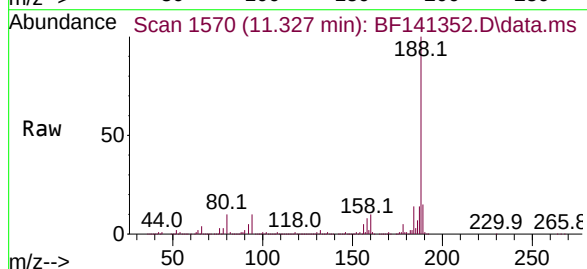
Manual Integrations
APPROVED

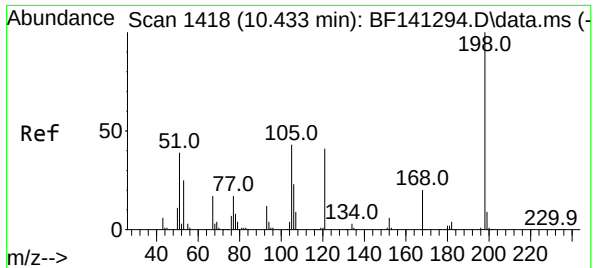
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 1570
Delta R.T. -0.000 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Tgt Ion:188 Resp: 478396
Ion Ratio Lower Upper
188 100
94 10.0 7.8 11.6
80 10.4 8.2 12.4





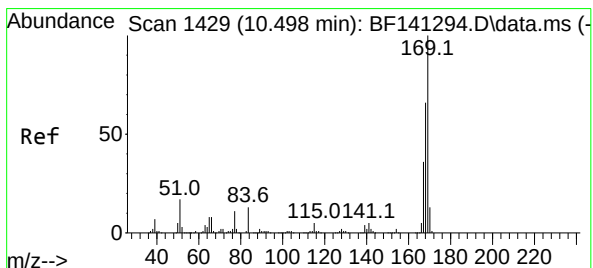
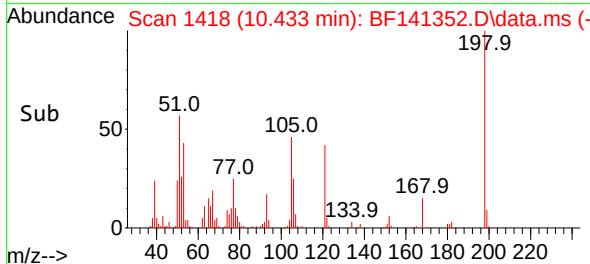
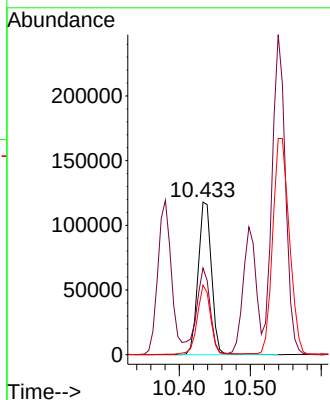
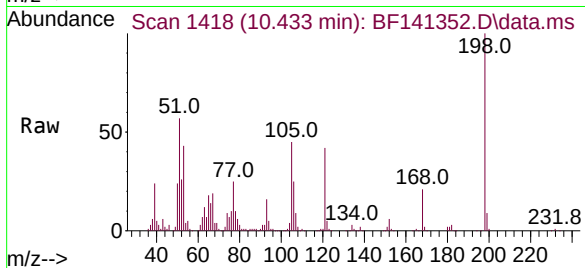
#65
4,6-Dinitro-2-methylphenol
Concen: 54.706 ng
RT: 10.433 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Instrument :
BNA_F
ClientSampleId :
B-113-SB02MS

Tgt Ion:198 Resp: 15480
Ion Ratio Lower Upper
198 100
51 56.8 33.4 73.4
105 45.5 24.4 64.4

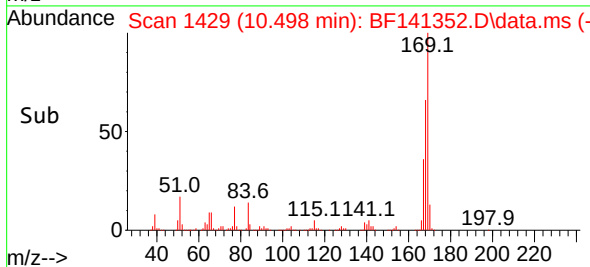
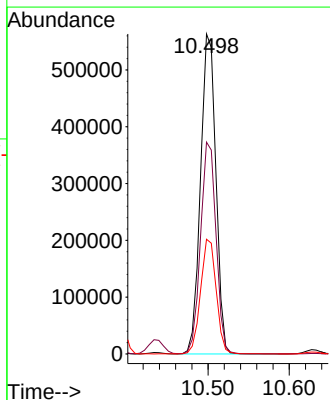
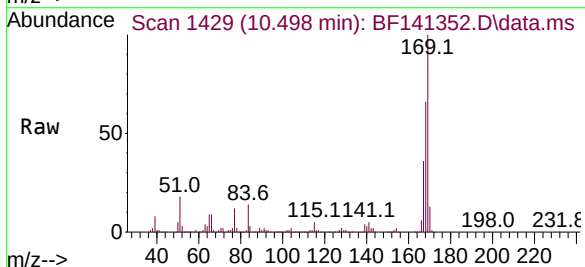
Manual Integrations
APPROVED

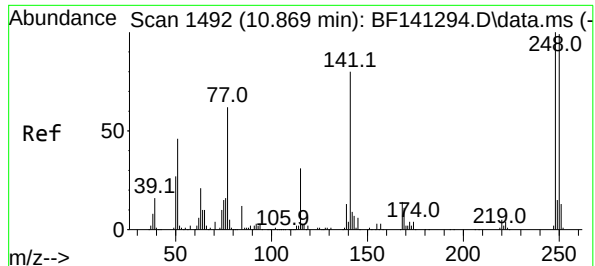
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#66
n-Nitrosodiphenylamine
Concen: 47.710 ng
RT: 10.498 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

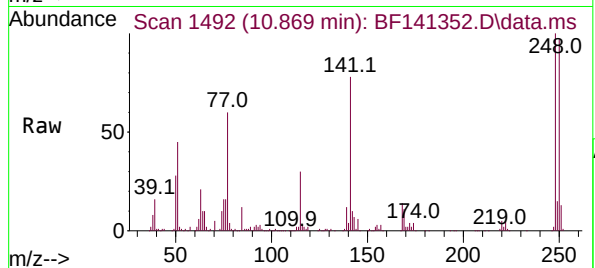
Tgt Ion:169 Resp: 738221
Ion Ratio Lower Upper
169 100
168 66.2 53.0 79.4
167 35.8 28.8 43.2





#67
4-Bromophenyl-phenylether
Concen: 47.237 ng
RT: 10.869 min Scan# 1492
Delta R.T. -0.006 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

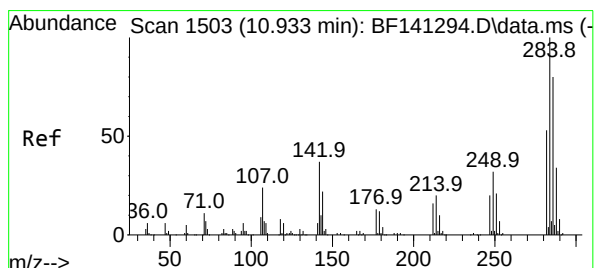
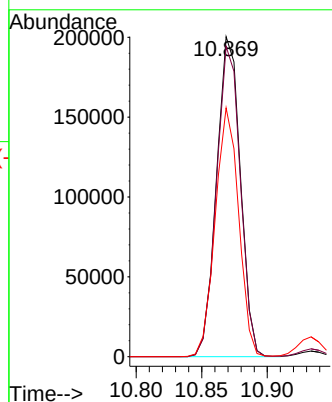
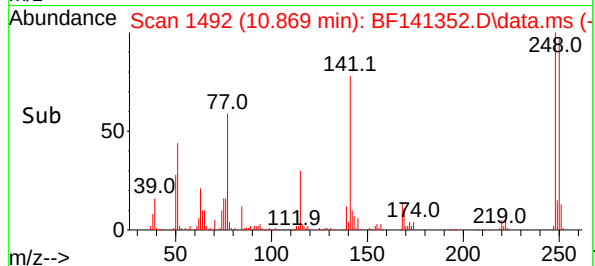
Instrument :
BNA_F
ClientSampleId :
B-113-SB02MS



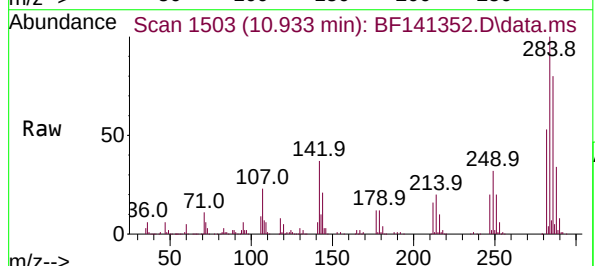
Tgt Ion:248 Resp: 252992
Ion Ratio Lower Upper
248 100
250 97.0 79.0 118.4
141 77.7 63.7 95.5

Manual Integrations
APPROVED

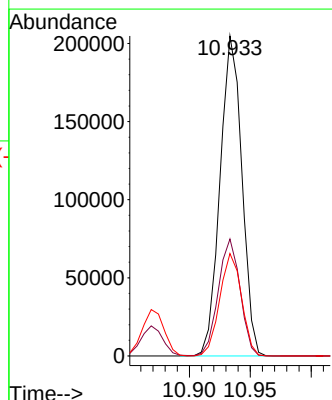
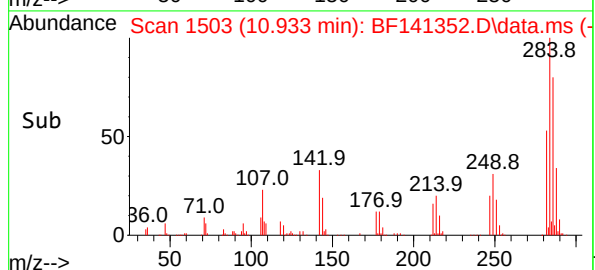
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

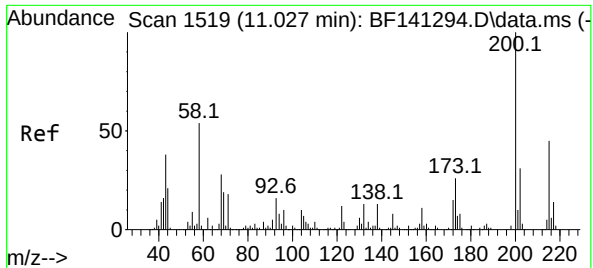


#68
Hexachlorobenzene
Concen: 45.031 ng
RT: 10.933 min Scan# 1503
Delta R.T. -0.006 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30



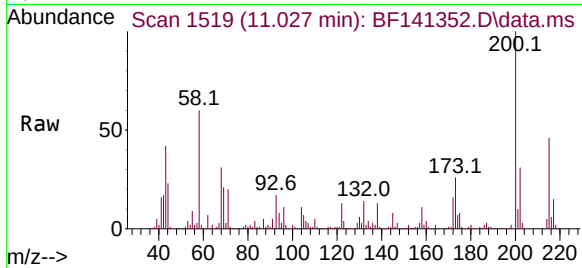
Tgt Ion:284 Resp: 255828
Ion Ratio Lower Upper
284 100
142 36.5 29.5 44.3
249 32.0 25.4 38.2





#69
Atrazine
Concen: 46.011 ng
RT: 11.027 min Scan# 1519
Delta R.T. -0.006 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

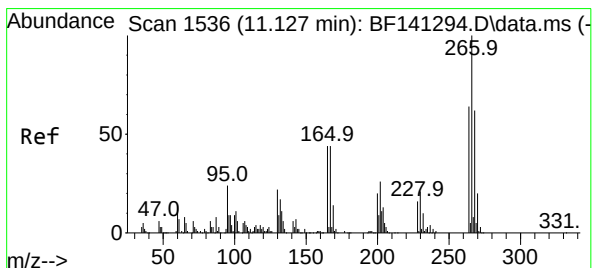
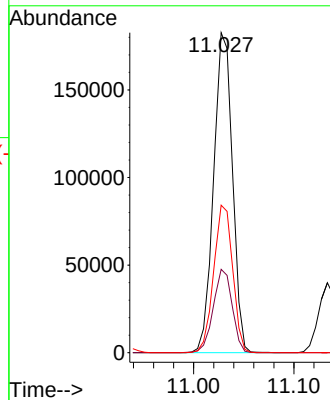
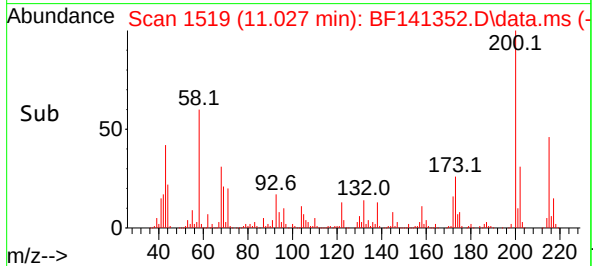
Instrument :
BNA_F
ClientSampleId :
B-113-SB02MS



Tgt Ion:200 Resp: 238034
Ion Ratio Lower Upper
200 100
173 26.1 5.9 45.9
215 46.1 25.2 65.2

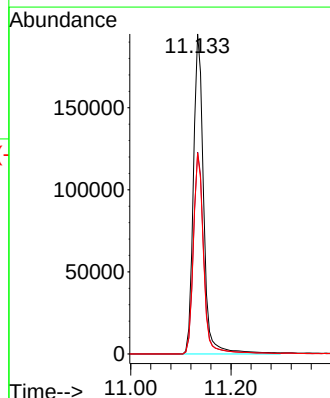
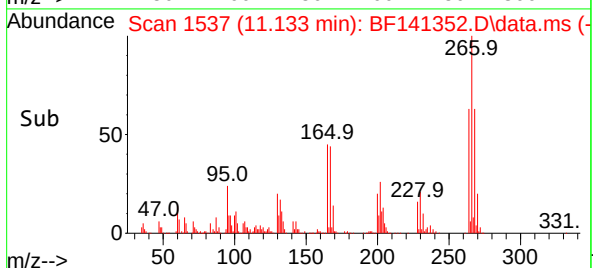
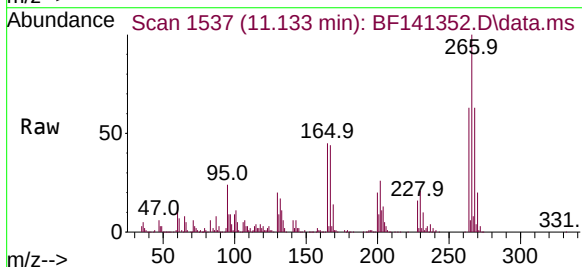
Manual Integrations
APPROVED

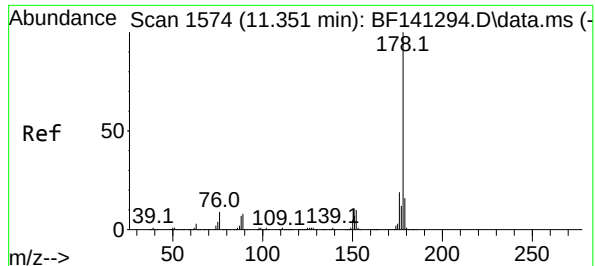
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#70
Pentachlorophenol
Concen: 82.968 ng
RT: 11.133 min Scan# 1537
Delta R.T. -0.000 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Tgt Ion:266 Resp: 276016
Ion Ratio Lower Upper
266 100
268 63.1 49.9 74.9
264 62.8 51.0 76.4





#71

Phenanthrene

Concen: 43.554 ng

RT: 11.351 min Scan# 1574

Delta R.T. -0.000 min

Lab File: BF141352.D

Acq: 01 Feb 2025 00:30

Instrument :

BNA_F

ClientSampleId :

B-113-SB02MS

Tgt Ion:178 Resp: 1120034

Ion Ratio Lower Upper

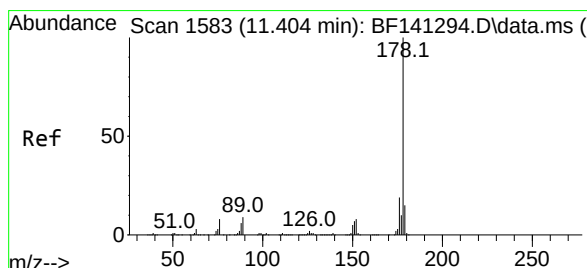
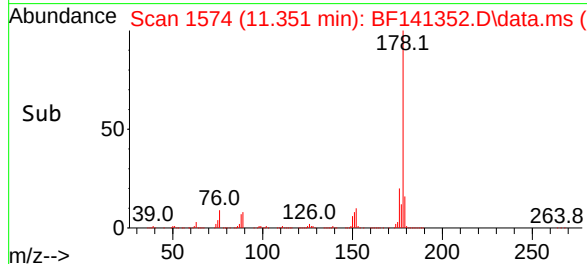
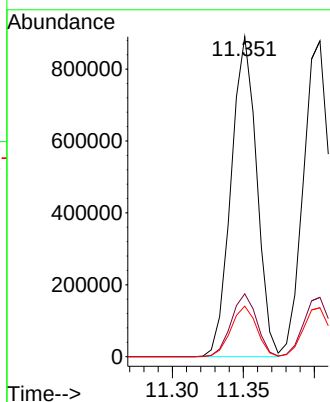
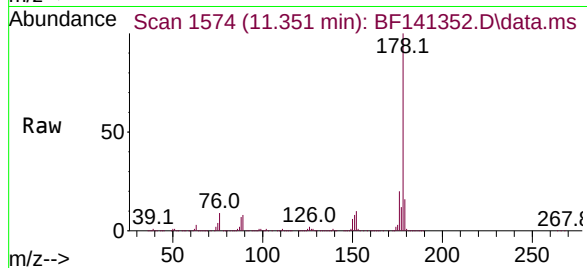
178 100

176 19.7 15.3 22.9

179 15.8 12.5 18.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#72

Anthracene

Concen: 45.015 ng

RT: 11.404 min Scan# 1583

Delta R.T. -0.000 min

Lab File: BF141352.D

Acq: 01 Feb 2025 00:30

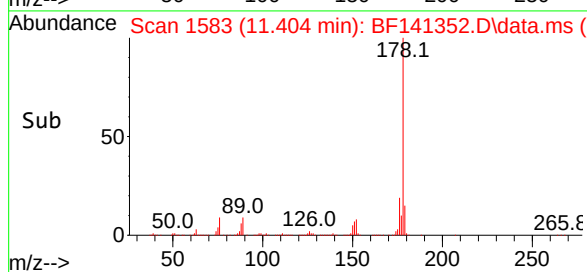
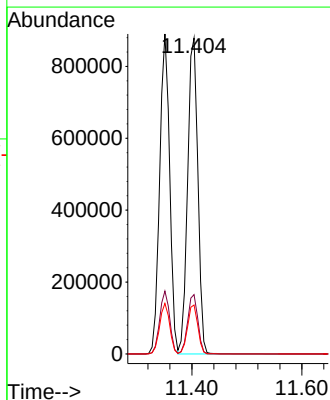
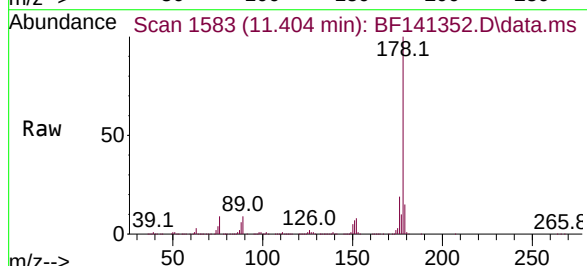
Tgt Ion:178 Resp: 1134234

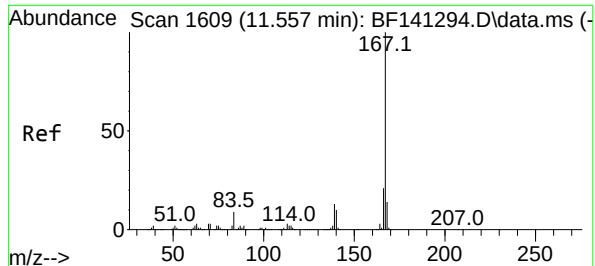
Ion Ratio Lower Upper

178 100

176 18.8 15.0 22.6

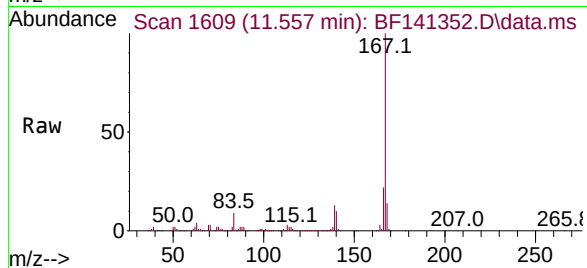
179 15.5 12.3 18.5





#73
 Carbazole
 Concen: 40.751 ng
 RT: 11.557 min Scan# 1609
 Delta R.T. -0.000 min
 Lab File: BF141352.D
 Acq: 01 Feb 2025 00:30

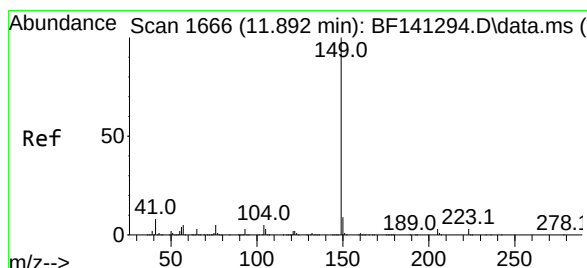
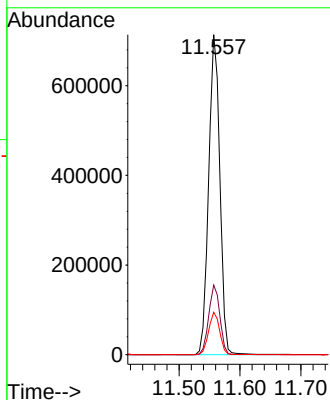
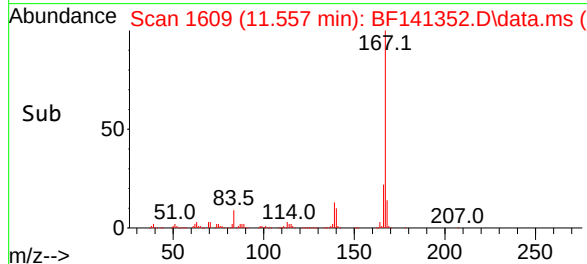
Instrument :
 BNA_F
 ClientSampleId :
 B-113-SB02MS



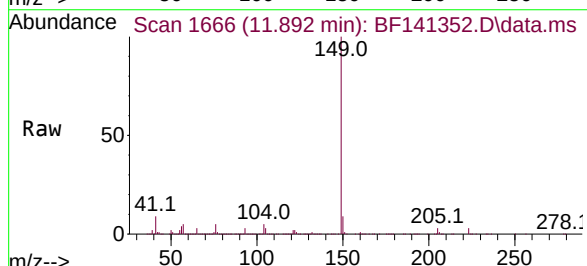
Tgt Ion:167 Resp: 910483
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.0 25.6
 139 13.3 10.6 16.0

Manual Integrations
 APPROVED

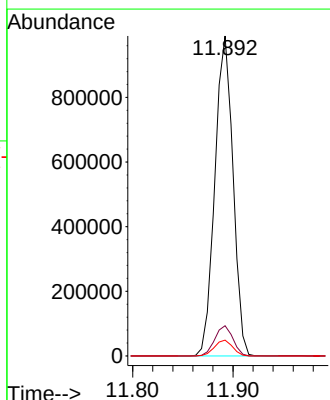
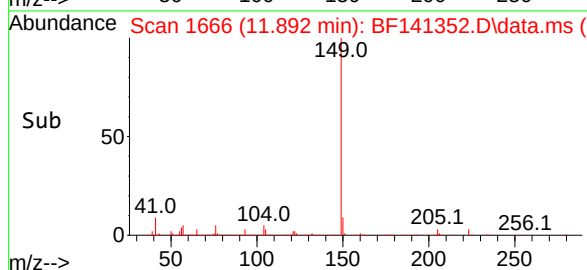
Reviewed By :Jagrut Upadhyay 02/03/2025
 Supervised By :mohammad ahmed 02/04/2025

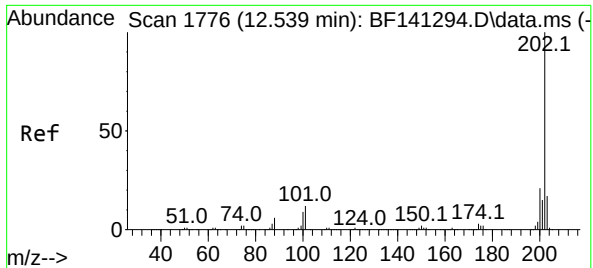


#74
 Di-n-butylphthalate
 Concen: 45.813 ng
 RT: 11.892 min Scan# 1666
 Delta R.T. 0.000 min
 Lab File: BF141352.D
 Acq: 01 Feb 2025 00:30



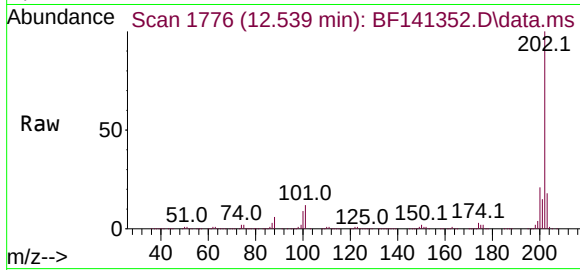
Tgt Ion:149 Resp: 1240476
 Ion Ratio Lower Upper
 149 100
 150 9.5 7.4 11.2
 104 4.9 3.9 5.9





#75
Fluoranthene
Concen: 39.170 ng
RT: 12.539 min Scan# 1776
Delta R.T. -0.000 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

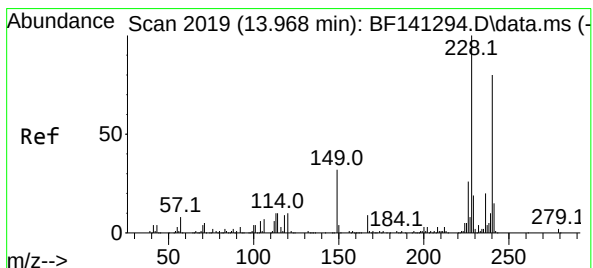
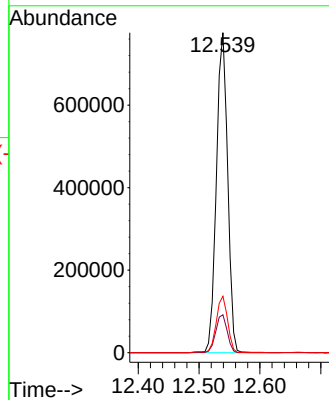
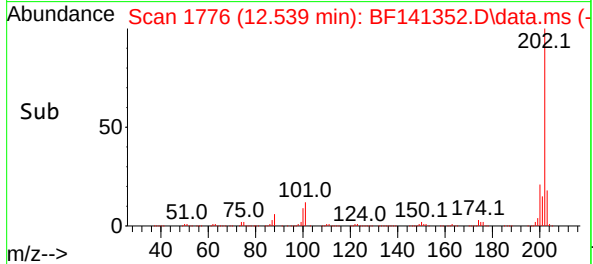
Instrument :
BNA_F
ClientSampleId :
B-113-SB02MS



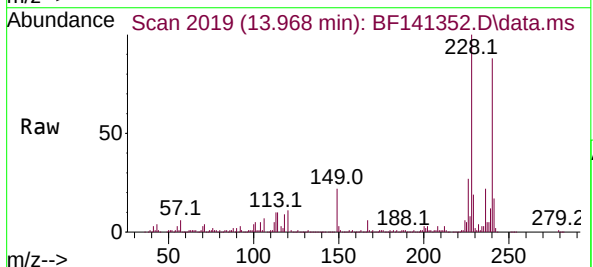
Tgt Ion:202 Resp: 994579
Ion Ratio Lower Upper
202 100
101 11.9 0.0 31.7
203 17.7 0.0 37.5

Manual Integrations
APPROVED

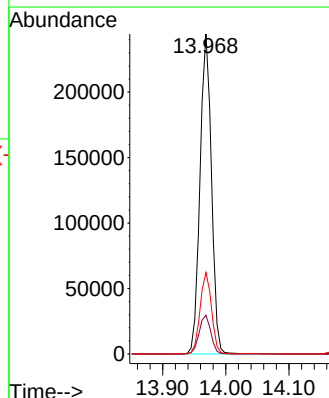
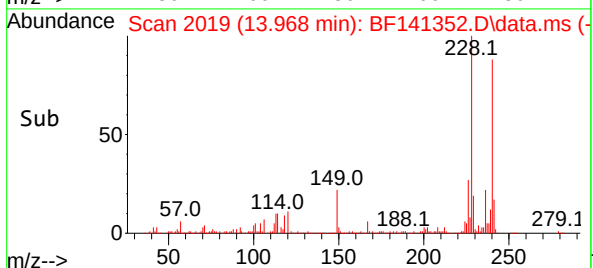
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

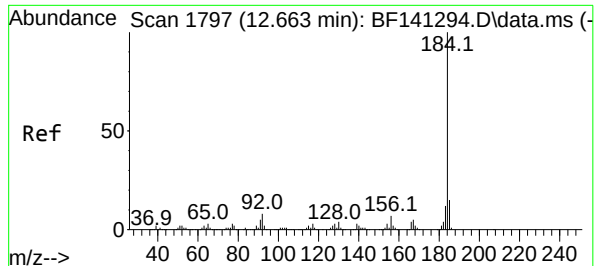


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30



Tgt Ion:240 Resp: 306959
Ion Ratio Lower Upper
240 100
120 12.1 10.0 15.0
236 25.4 19.7 29.5





#77

Benzidine

Concen: 20.474 ng

RT: 12.663 min Scan# 1797

Delta R.T. -0.000 min

Lab File: BF141352.D

Acq: 01 Feb 2025 00:30

Instrument :

BNA_F

ClientSampleId :

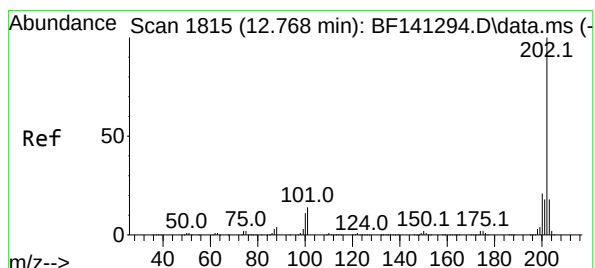
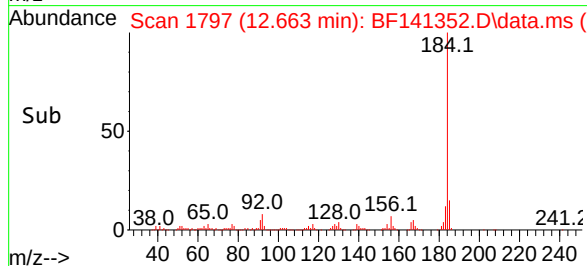
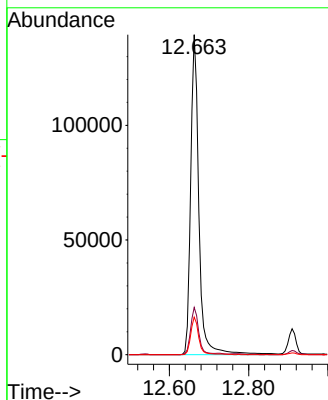
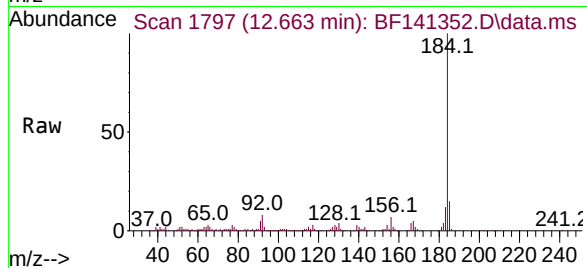
B-113-SB02MS

Tgt Ion:184 Resp: 201472
Ion Ratio Lower Upper
184 100
185 14.7 11.9 17.9
183 11.8 9.5 14.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#78

Pyrene

Concen: 34.311 ng

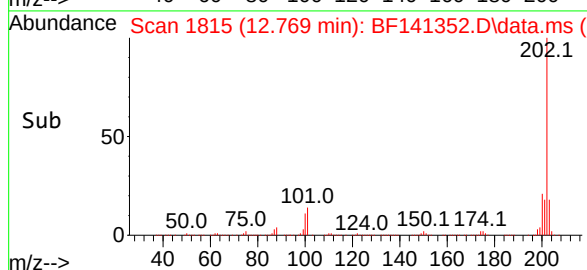
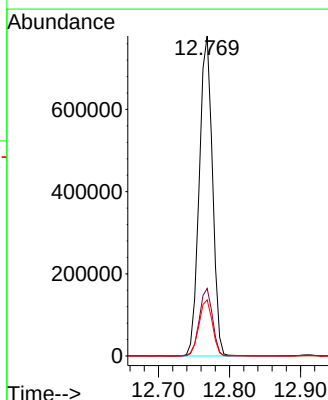
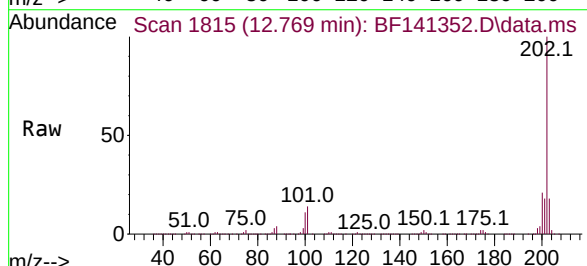
RT: 12.769 min Scan# 1815

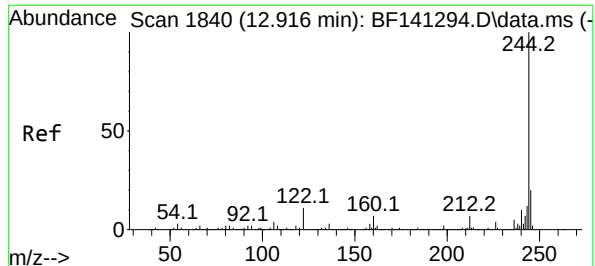
Delta R.T. -0.000 min

Lab File: BF141352.D

Acq: 01 Feb 2025 00:30

Tgt Ion:202 Resp: 1010968
Ion Ratio Lower Upper
202 100
200 21.1 17.0 25.4
203 17.6 14.3 21.5





#79

Terphenyl-d14

Concen: 52.545 ng

RT: 12.910 min Scan# 1839

Delta R.T. -0.006 min

Lab File: BF141352.D

Acq: 01 Feb 2025 00:30

Instrument :

BNA_F

ClientSampleId :

B-113-SB02MS

Tgt Ion:244 Resp: 104587

Ion Ratio Lower Upper

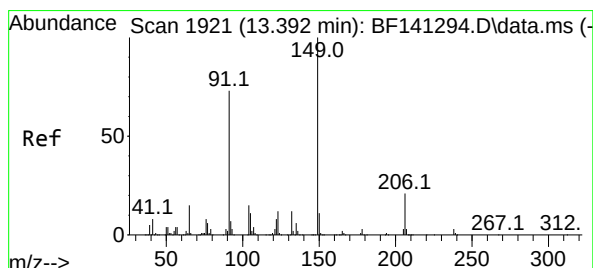
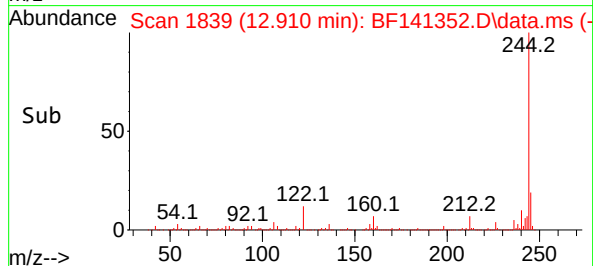
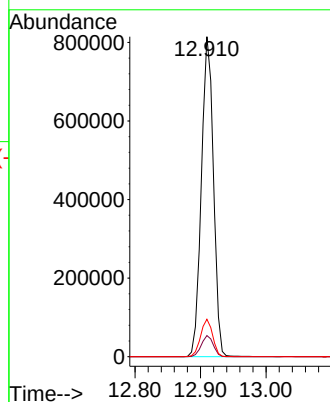
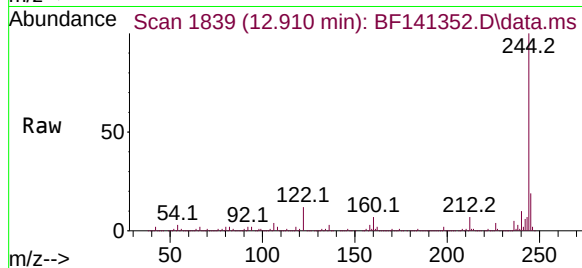
244 100

212 6.6 5.4 8.0

122 11.7 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#80

Butylbenzylphthalate

Concen: 41.258 ng

RT: 13.392 min Scan# 1921

Delta R.T. -0.000 min

Lab File: BF141352.D

Acq: 01 Feb 2025 00:30

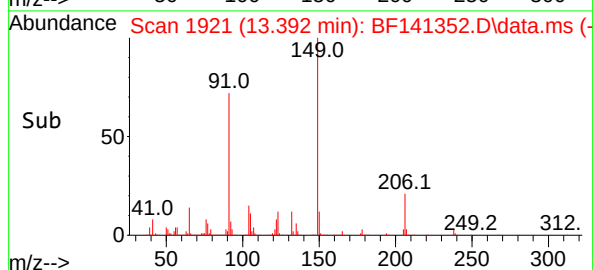
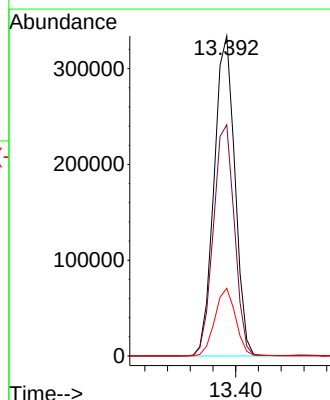
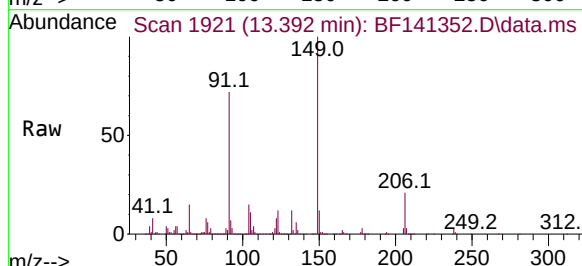
Tgt Ion:149 Resp: 424703

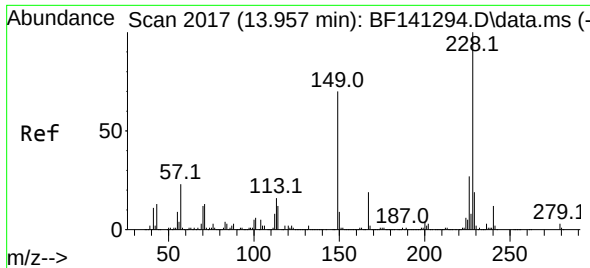
Ion Ratio Lower Upper

149 100

91 72.3 58.6 87.8

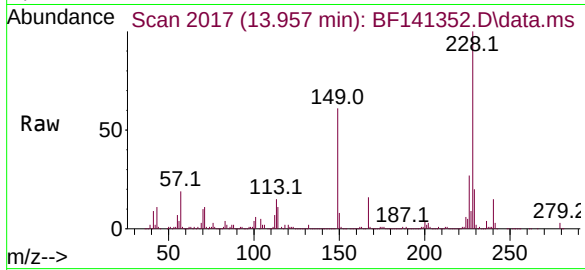
206 21.2 16.7 25.1





#81
Benzo(a)anthracene
Concen: 40.571 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

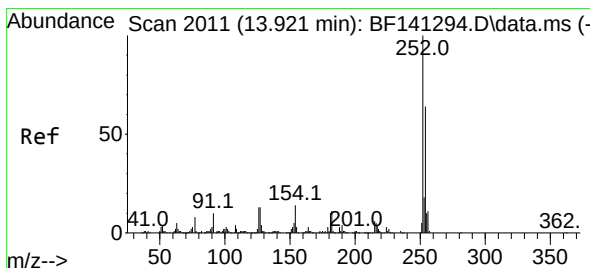
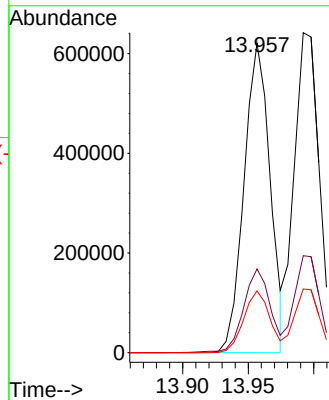
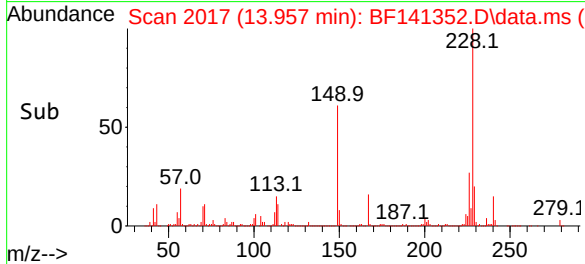
Instrument :
BNA_F
ClientSampleId :
B-113-SB02MS



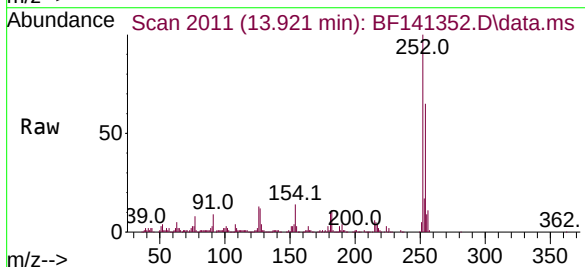
Tgt Ion:228 Resp: 859360
Ion Ratio Lower Upper
228 100
226 27.1 21.4 32.2
229 19.9 15.5 23.3

Manual Integrations
APPROVED

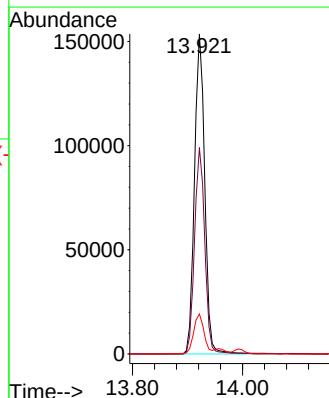
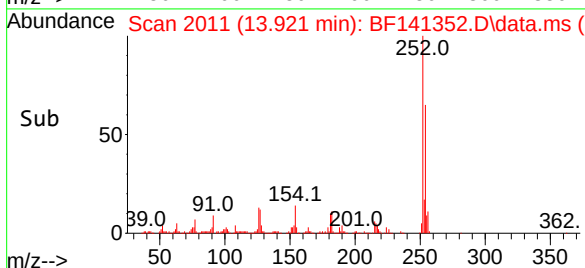
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

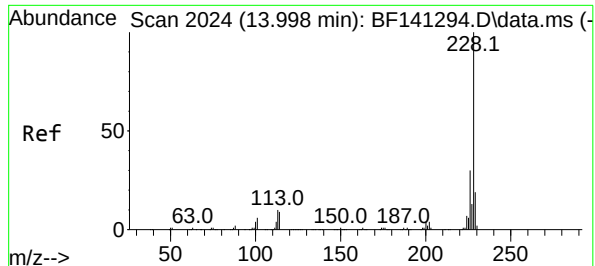


#82
3,3'-Dichlorobenzidine
Concen: 29.508 ng
RT: 13.921 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30



Tgt Ion:252 Resp: 198790
Ion Ratio Lower Upper
252 100
254 64.5 51.3 76.9
126 12.5 10.0 15.0





#83

Chrysene

Concen: 44.017 ng

RT: 13.992 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF141352.D

Acq: 01 Feb 2025 00:30

Instrument :

BNA_F

ClientSampleId :

B-113-SB02MS

Tgt Ion:228 Resp: 854492

Ion Ratio Lower Upper

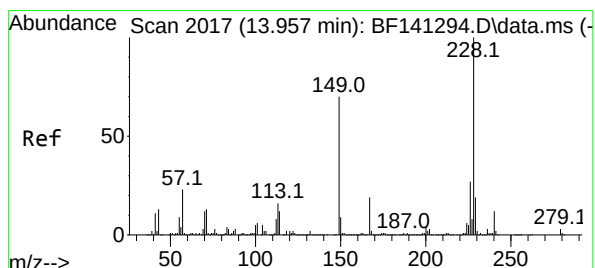
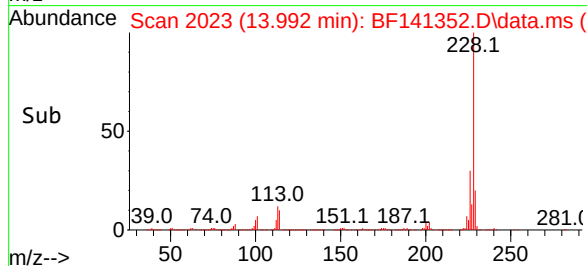
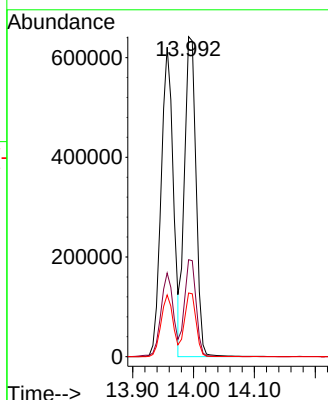
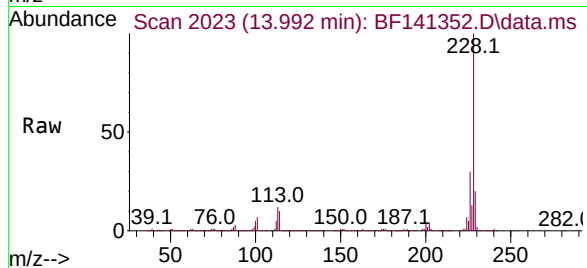
228 100

226 30.3 24.1 36.1

229 19.9 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#84

Bis(2-ethylhexyl)phthalate

Concen: 42.722 ng

RT: 13.951 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF141352.D

Acq: 01 Feb 2025 00:30

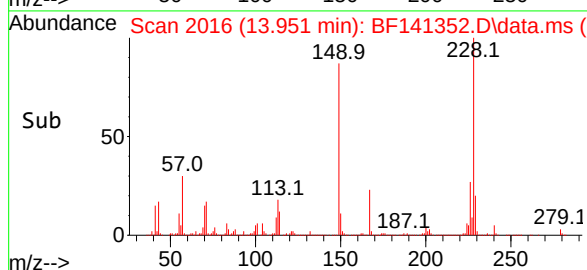
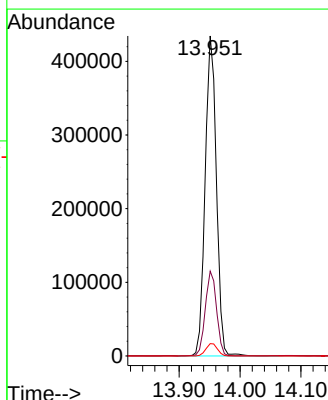
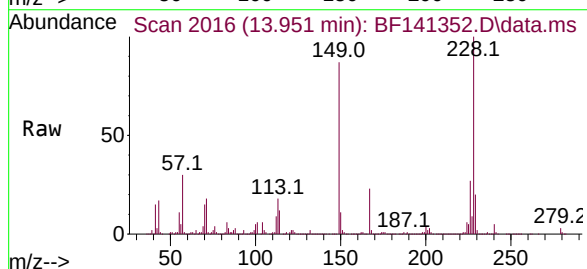
Tgt Ion:149 Resp: 557866

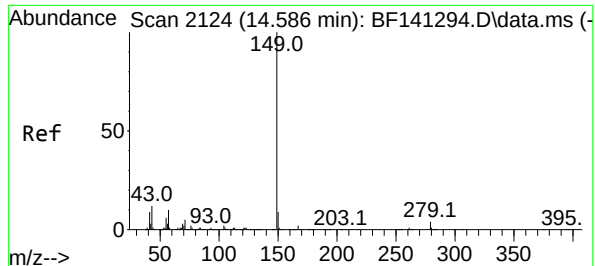
Ion Ratio Lower Upper

149 100

167 26.5 21.8 32.8

279 3.8 3.3 4.9





#85

Di-n-octyl phthalate

Concen: 50.177 ng

RT: 14.568 min Scan# 2124

Delta R.T. -0.018 min

Lab File: BF141352.D

Acq: 01 Feb 2025 00:30

Instrument :

BNA_F

ClientSampleId :

B-113-SB02MS

Tgt Ion:149 Resp: 101767

Ion Ratio Lower Upper

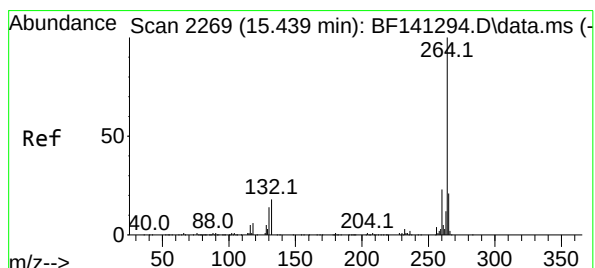
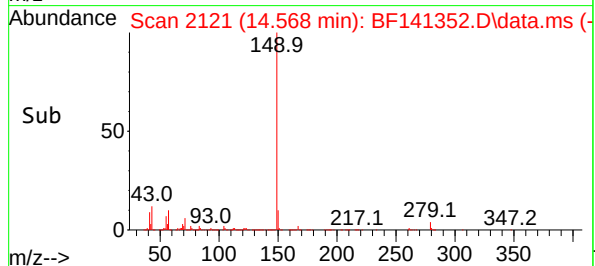
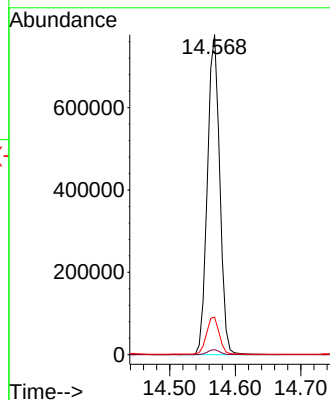
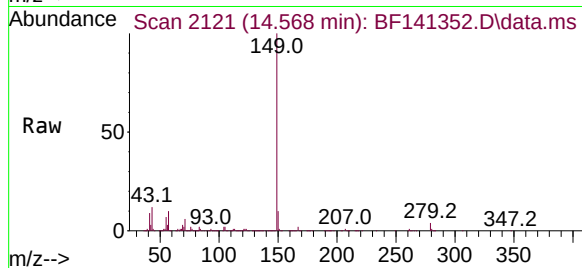
149 100

167 1.6 1.3 1.9

43 12.2 9.8 14.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 2266

Delta R.T. -0.018 min

Lab File: BF141352.D

Acq: 01 Feb 2025 00:30

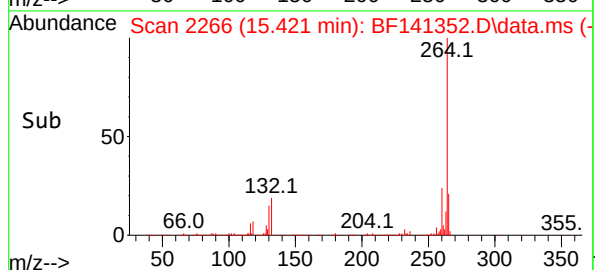
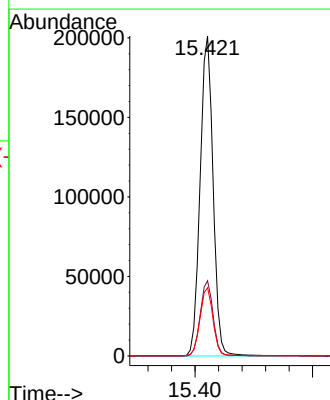
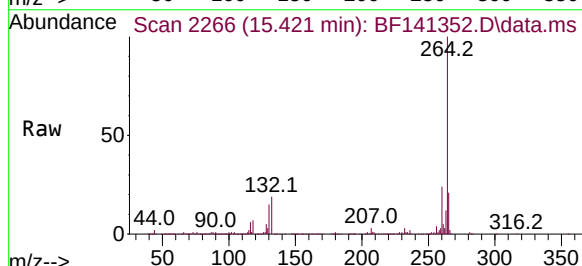
Tgt Ion:264 Resp: 307907

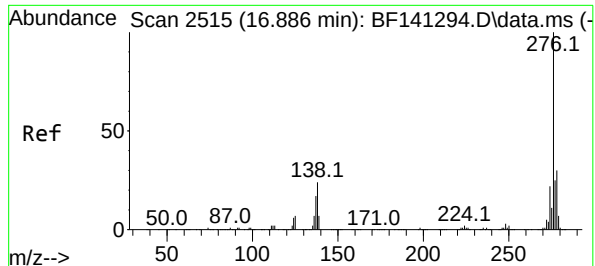
Ion Ratio Lower Upper

264 100

260 23.5 18.6 27.8

265 21.3 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 34.650 ng

RT: 16.862 min Scan# 2195

Delta R.T. -0.035 min

Lab File: BF141352.D

Acq: 01 Feb 2025 00:30

Instrument :

BNA_F

ClientSampleId :

B-113-SB02MS

Tgt Ion:276 Resp: 68861

Ion Ratio Lower Upper

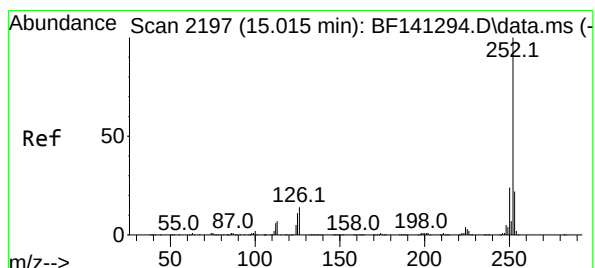
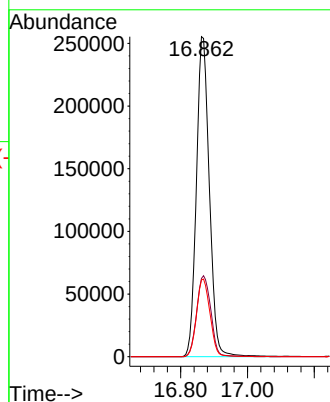
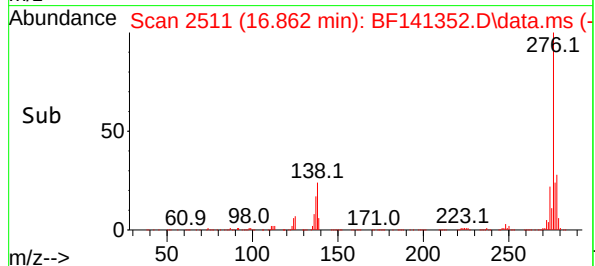
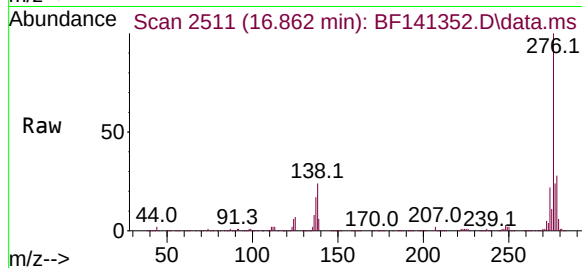
276 100

138 27.5 21.7 32.5

277 25.2 20.3 30.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#88

Benzo(b)fluoranthene

Concen: 47.147 ng

RT: 15.004 min Scan# 2195

Delta R.T. -0.018 min

Lab File: BF141352.D

Acq: 01 Feb 2025 00:30

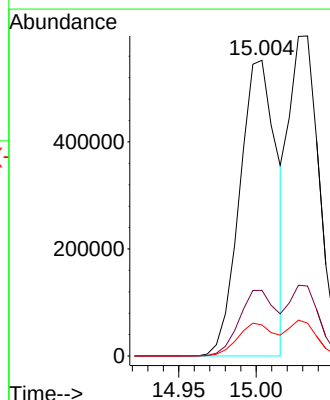
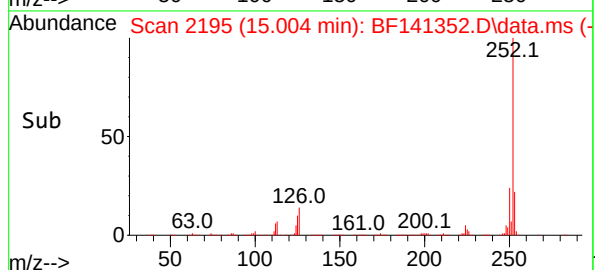
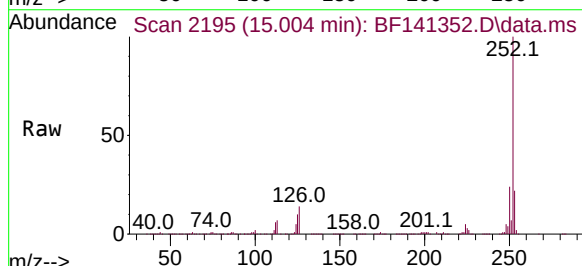
Tgt Ion:252 Resp: 913150

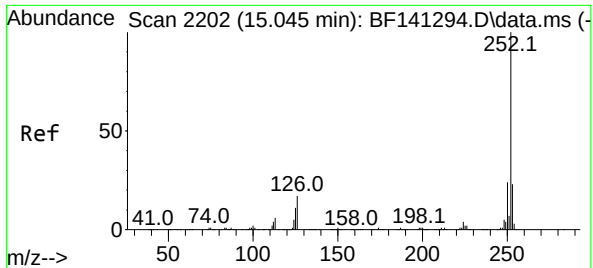
Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.2

125 10.5 8.6 12.8





#89

Benzo(k)fluoranthene

Concen: 47.270 ng

RT: 15.033 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF141352.D

Acq: 01 Feb 2025 00:30

Instrument :

BNA_F

ClientSampleId :

B-113-SB02MS

Tgt Ion:252 Resp: 811049

Ion Ratio Lower Upper

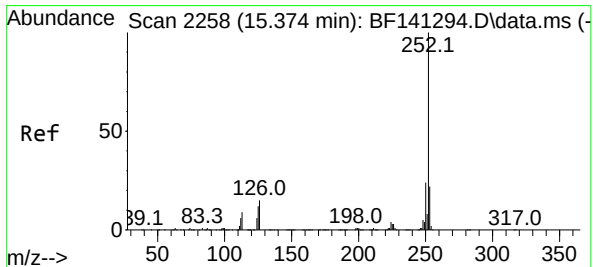
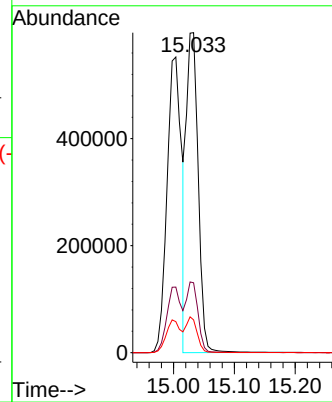
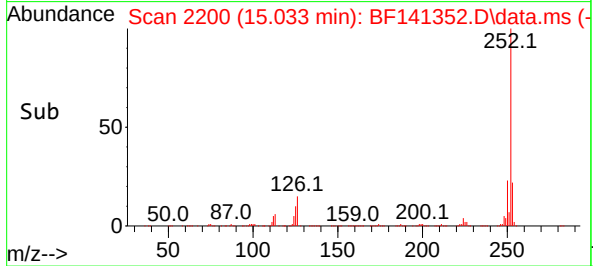
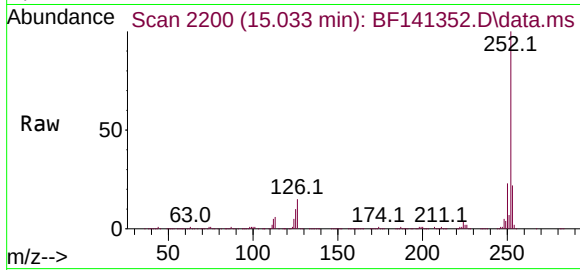
252 100

253 21.9 17.6 26.4

125 10.2 8.4 12.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#90

Benzo(a)pyrene

Concen: 47.750 ng

RT: 15.362 min Scan# 2256

Delta R.T. -0.018 min

Lab File: BF141352.D

Acq: 01 Feb 2025 00:30

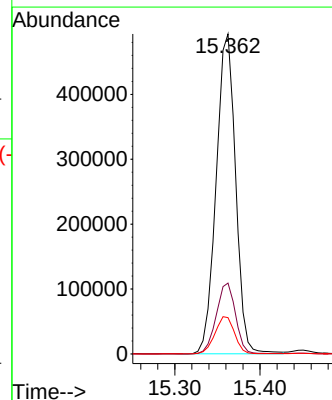
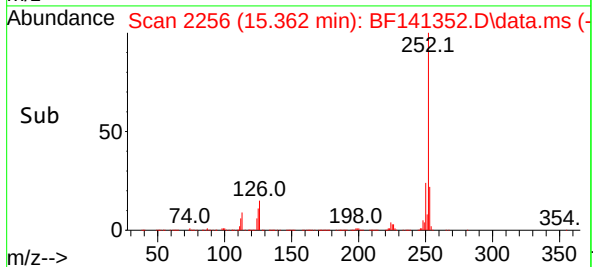
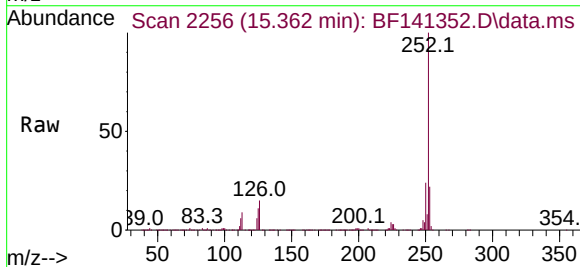
Tgt Ion:252 Resp: 781518

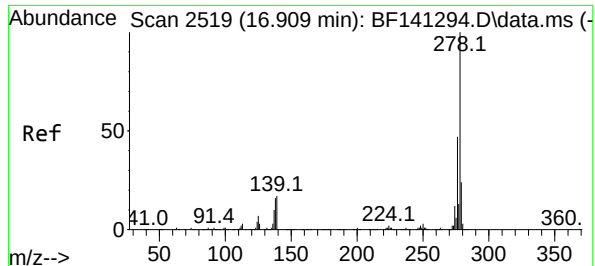
Ion Ratio Lower Upper

252 100

253 22.1 17.2 25.8

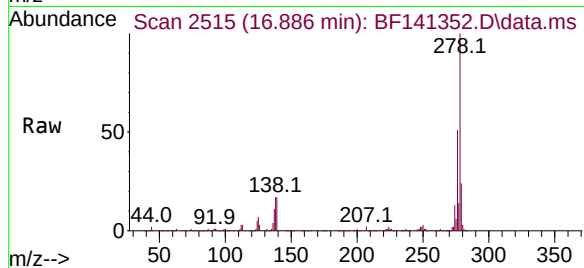
125 11.4 9.4 14.2





#91
Dibenzo(a,h)anthracene
Concen: 35.104 ng
RT: 16.886 min Scan# 2515
Delta R.T. -0.035 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

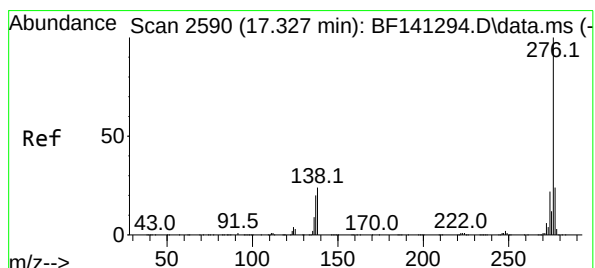
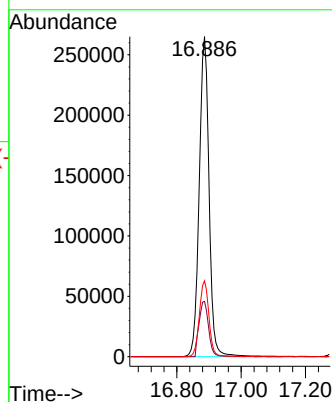
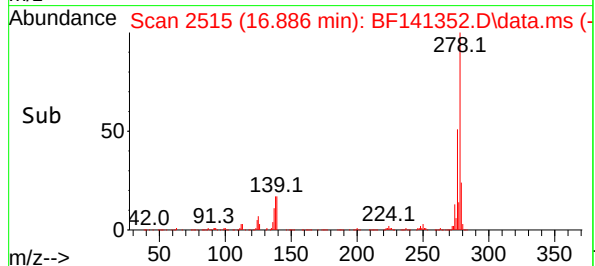
Instrument :
BNA_F
ClientSampleId :
B-113-SB02MS



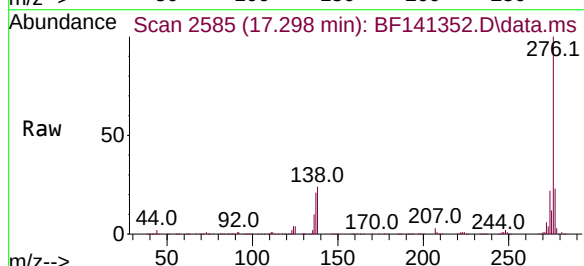
Tgt Ion: 278 Resp: 56127
Ion Ratio Lower Upper
278 100
139 17.3 13.9 20.9
279 23.7 18.8 28.2

Manual Integrations
APPROVED

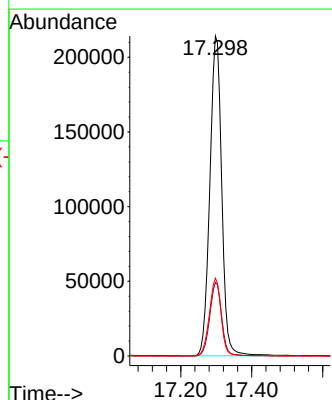
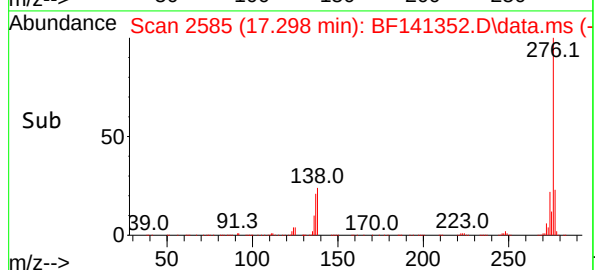
Reviewed By : Jagrut Upadhyay 02/03/2025
Supervised By : mohammad ahmed 02/04/2025



#92
Benzo(g,h,i)perylene
Concen: 29.910 ng
RT: 17.298 min Scan# 2585
Delta R.T. -0.047 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30



Tgt Ion: 276 Resp: 497253
Ion Ratio Lower Upper
276 100
277 23.0 19.2 28.8
138 24.3 19.0 28.4



Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB02MSD	SDG No.:	Q1194
Lab Sample ID:	Q1194-04MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	64.7
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141353.D	1	01/28/25 09:56	02/01/25 00:57	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	330	J	280	510	ug/Kg
108-95-2	Phenol	2100		130	260	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	2200		130	260	ug/Kg
95-57-8	2-Chlorophenol	2200		130	260	ug/Kg
95-48-7	2-Methylphenol	2000		120	260	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	2100		140	260	ug/Kg
98-86-2	Acetophenone	2100		130	260	ug/Kg
65794-96-9	3+4-Methylphenols	2200		120	510	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	2100		62.2	120	ug/Kg
67-72-1	Hexachloroethane	2100		130	260	ug/Kg
98-95-3	Nitrobenzene	2100		140	260	ug/Kg
78-59-1	Isophorone	2200		130	260	ug/Kg
88-75-5	2-Nitrophenol	2200		150	260	ug/Kg
105-67-9	2,4-Dimethylphenol	2600		140	260	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	2100		130	260	ug/Kg
120-83-2	2,4-Dichlorophenol	2200		120	260	ug/Kg
91-20-3	Naphthalene	2000		130	260	ug/Kg
106-47-8	4-Chloroaniline	600		130	260	ug/Kg
87-68-3	Hexachlorobutadiene	2000		130	260	ug/Kg
105-60-2	Caprolactam	2100		130	510	ug/Kg
59-50-7	4-Chloro-3-methylphenol	2100		120	260	ug/Kg
91-57-6	2-Methylnaphthalene	2100		130	260	ug/Kg
77-47-4	Hexachlorocyclopentadiene	6600	E	240	510	ug/Kg
88-06-2	2,4,6-Trichlorophenol	2200		110	260	ug/Kg
95-95-4	2,4,5-Trichlorophenol	2100		110	260	ug/Kg
92-52-4	1,1-Biphenyl	2100		130	260	ug/Kg
91-58-7	2-Chloronaphthalene	2000		130	260	ug/Kg
88-74-4	2-Nitroaniline	2200		150	260	ug/Kg
131-11-3	Dimethylphthalate	2200		130	260	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB02MSD	SDG No.:	Q1194
Lab Sample ID:	Q1194-04MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	64.7
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141353.D	1	01/28/25 09:56	02/01/25 00:57	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	2200		130	260	ug/Kg
606-20-2	2,6-Dinitrotoluene	2100		130	260	ug/Kg
99-09-2	3-Nitroaniline	1400		140	260	ug/Kg
83-32-9	Acenaphthene	2300		130	260	ug/Kg
51-28-5	2,4-Dinitrophenol	4800	E	370	510	ug/Kg
100-02-7	4-Nitrophenol	3600		180	510	ug/Kg
132-64-9	Dibenzofuran	2100		130	260	ug/Kg
121-14-2	2,4-Dinitrotoluene	2100		130	260	ug/Kg
84-66-2	Diethylphthalate	2200		120	260	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	2000		130	260	ug/Kg
86-73-7	Fluorene	2000		130	260	ug/Kg
100-01-6	4-Nitroaniline	1900		170	260	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2700		180	510	ug/Kg
86-30-6	n-Nitrosodiphenylamine	2400		130	260	ug/Kg
101-55-3	4-Bromophenyl-phenylether	2400		120	260	ug/Kg
118-74-1	Hexachlorobenzene	2300		130	260	ug/Kg
1912-24-9	Atrazine	2300		140	260	ug/Kg
87-86-5	Pentachlorophenol	4100		120	510	ug/Kg
85-01-8	Phenanthrene	2200		130	260	ug/Kg
120-12-7	Anthracene	2300		130	260	ug/Kg
86-74-8	Carbazole	2000		120	260	ug/Kg
84-74-2	Di-n-butylphthalate	2300		130	260	ug/Kg
206-44-0	Fluoranthene	2000		130	260	ug/Kg
129-00-0	Pyrene	1700		130	260	ug/Kg
85-68-7	Butylbenzylphthalate	2000		150	260	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1600		150	510	ug/Kg
56-55-3	Benzo(a)anthracene	2000		120	260	ug/Kg
218-01-9	Chrysene	2200		120	260	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2100		140	260	ug/Kg
117-84-0	Di-n-octyl phthalate	2500		170	510	ug/Kg
205-99-2	Benzo(b)fluoranthene	2200		130	260	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB02MSD	SDG No.:	Q1194
Lab Sample ID:	Q1194-04MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	64.7
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141353.D	1	01/28/25 09:56	02/01/25 00:57	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	2600		130	260	ug/Kg
50-32-8	Benzo(a)pyrene	2400		140	260	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1800		120	260	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1800		130	260	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1500		120	260	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	2100		130	260	ug/Kg
123-91-1	1,4-Dioxane	1900		170	260	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	2200		120	260	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	92.8		30 (18) - 130 (112)	62%	SPK: 150
13127-88-3	Phenol-d6	89.2		30 (15) - 130 (107)	59%	SPK: 150
4165-60-0	Nitrobenzene-d5	64.3		30 (18) - 130 (107)	64%	SPK: 100
321-60-8	2-Fluorobiphenyl	60.9		30 (20) - 130 (109)	61%	SPK: 100
118-79-6	2,4,6-Tribromophenol	88.9		30 (10) - 130 (116)	59%	SPK: 150
1718-51-0	Terphenyl-d14	49.9		30 (10) - 130 (105)	50%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	150000	6.798			
1146-65-2	Naphthalene-d8	590000	8.081			
15067-26-2	Acenaphthene-d10	305000	9.839			
1517-22-2	Phenanthrene-d10	447000	11.327			
1719-03-5	Chrysene-d12	290000	13.968			
1520-96-3	Perylene-d12	292000	15.415			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
 Data File : BF141353.D
 Acq On : 01 Feb 2025 00:57
 Operator : RC/JU
 Sample : Q1194-04MSD
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-113-SB02MSD

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
 Supervised By :mohammad ahmed 02/04/2025

Quant Time: Feb 01 01:28:16 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	149676	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	589897	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	304724	20.000	ng	0.00
64) Phenanthrene-d10	11.327	188	446574	20.000	ng	0.00
76) Chrysene-d12	13.968	240	289652	20.000	ng	0.00
86) Perylene-d12	15.415	264	291978	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	904843	92.808	ng	0.01
7) Phenol-d6	6.445	99	1106069	89.179	ng	0.00
23) Nitrobenzene-d5	7.363	82	719805	64.326	ng	0.00
42) 2,4,6-Tribromophenol	10.627	330	248253	88.864	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1206163	60.924	ng	0.00
79) Terphenyl-d14	12.910	244	937270	49.903	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.563	88	156245	36.439	ng	99
3) Pyridine	3.287	79	402004	38.912	ng	99
4) n-Nitrosodimethylamine	3.240	42	247827	41.992	ng	96
6) Aniline	6.463	93	360976	34.383	ng	# 32
8) 2-Chlorophenol	6.592	128	444161	42.504	ng	96
9) Benzaldehyde	6.345	77	45965	6.398	ng	99
10) Phenol	6.457	94	539453	41.031	ng	76
11) bis(2-Chloroethyl)ether	6.534	93	427879	42.445	ng	99
12) 1,3-Dichlorobenzene	6.739	146	454158	39.416	ng	99
13) 1,4-Dichlorobenzene	6.816	146	459392	39.688	ng	100
14) 1,2-Dichlorobenzene	6.969	146	436553	40.277	ng	99
15) Benzyl Alcohol	6.945	79	372341	43.929	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.075	45	710017	40.504	ng	57
17) 2-Methylphenol	7.069	107	337228	39.707	ng	# 88
18) Hexachloroethane	7.310	117	170674	39.969	ng	99
19) n-Nitroso-di-n-propyla...	7.216	70	306652	41.610	ng	97
20) 3+4-Methylphenols	7.222	107	440708	42.262	ng	# 75
22) Acetophenone	7.210	105	585685	41.770	ng	# 95
24) Nitrobenzene	7.381	77	463958	40.009	ng	100
25) Isophorone	7.622	82	813421	42.053	ng	99
26) 2-Nitrophenol	7.698	139	232740	42.556	ng	100
27) 2,4-Dimethylphenol	7.745	122	346152m	49.727	ng	
28) bis(2-Chloroethoxy)met...	7.834	93	514821	41.726	ng	99
29) 2,4-Dichlorophenol	7.951	162	357247	41.921	ng	99
30) 1,2,4-Trichlorobenzene	8.022	180	371686	38.191	ng	99
31) Naphthalene	8.104	128	1241727	39.847	ng	100
32) Benzoic acid	7.869	122	263841	41.230	ng	99
33) 4-Chloroaniline	8.151	127	123735	11.709	ng	98
34) Hexachlorobutadiene	8.222	225	223107	39.091	ng	99
35) Caprolactam	8.522	113	116283	41.781	ng	97
36) 4-Chloro-3-methylphenol	8.651	107	375991	41.132	ng	98
37) 2-Methylnaphthalene	8.792	142	797516	40.265	ng	99
38) 1-Methylnaphthalene	8.892	142	745385	38.311	ng	100
40) 1,2,4,5-Tetrachloroben...	8.963	216	358360	41.338	ng	98
41) Hexachlorocyclopentadiene	8.945	237	330649	129.149	ng	99
43) 2,4,6-Trichlorophenol	9.075	196	241755	42.606	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
 Data File : BF141353.D
 Acq On : 01 Feb 2025 00:57
 Operator : RC/JU
 Sample : Q1194-04MSD
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-113-SB02MSD

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
 Supervised By :mohammad ahmed 02/04/2025

Quant Time: Feb 01 01:28:16 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

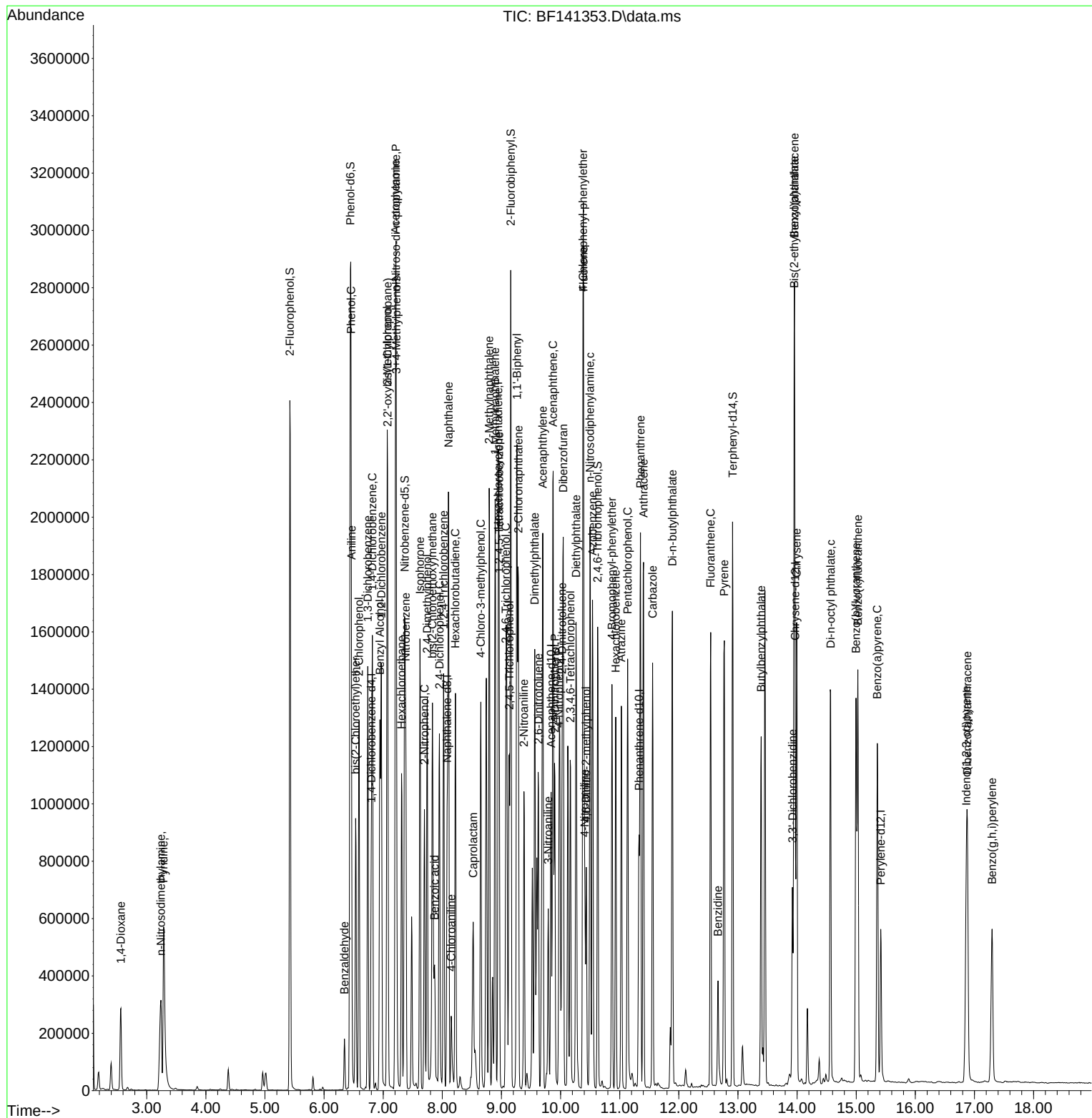
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.133	196	253156	40.992	ng	99
46) 1,1'-Biphenyl	9.263	154	982186	41.329	ng	100
47) 2-Chloronaphthalene	9.286	162	729439	39.379	ng	99
48) 2-Nitroaniline	9.380	65	249777	42.870	ng	97
49) Acenaphthylene	9.698	152	1110295	42.820	ng	99
50) Dimethylphthalate	9.563	163	889602	43.224	ng	99
51) 2,6-Dinitrotoluene	9.628	165	193485	40.489	ng	96
52) Acenaphthene	9.875	154	835010	45.077	ng	99
53) 3-Nitroaniline	9.792	138	129295	27.606	ng	100
54) 2,4-Dinitrophenol	9.904	184	209369	94.252	ng	99
55) Dibenzofuran	10.045	168	996364	40.184	ng	99
56) 4-Nitrophenol	9.975	139	241925	70.629	ng	97
57) 2,4-Dinitrotoluene	10.028	165	250886	40.550	ng	99
58) Fluorene	10.386	166	754067	39.206	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.169	232	207765	42.763	ng	100
60) Diethylphthalate	10.263	149	853771	42.784	ng	99
61) 4-Chlorophenyl-phenyle...	10.380	204	372656	39.666	ng	99
62) 4-Nitroaniline	10.410	138	169626	36.838	ng	99
63) Azobenzene	10.539	77	861766	43.142	ng	99
65) 4,6-Dinitro-2-methylph...	10.433	198	138958	52.606	ng	97
66) n-Nitrosodiphenylamine	10.498	169	682753	47.270	ng	100
67) 4-Bromophenyl-phenylether	10.869	248	231795	46.363	ng	98
68) Hexachlorobenzene	10.933	284	234812	44.277	ng	99
69) Atrazine	11.027	200	217252	44.986	ng	99
70) Pentachlorophenol	11.133	266	247008	79.539	ng	100
71) Phenanthrene	11.351	178	1024548	42.680	ng	100
72) Anthracene	11.404	178	1046790	44.505	ng	99
73) Carbazole	11.557	167	823751	39.496	ng	99
74) Di-n-butylphthalate	11.892	149	1147366	45.394	ng	100
75) Fluoranthene	12.539	202	900749	38.002	ng	100
77) Benzidine	12.663	184	210212	22.638	ng	99
78) Pyrene	12.769	202	916947	32.979	ng	99
80) Butylbenzylphthalate	13.392	149	384203	39.554	ng	98
81) Benzo(a)anthracene	13.957	228	792710	39.660	ng	99
82) 3,3'-Dichlorobenzidine	13.921	252	198260	31.187	ng	99
83) Chrysene	13.992	228	786189	42.919	ng	100
84) Bis(2-ethylhexyl)phtha...	13.951	149	510215	41.407	ng	99
85) Di-n-octyl phthalate	14.568	149	922363	48.195	ng	99
87) Indeno(1,2,3-cd)pyrene	16.862	276	647446	34.356	ng	99
88) Benzo(b)fluoranthene	14.998	252	782728	42.618	ng	99
89) Benzo(k)fluoranthene	15.027	252	810825m	49.835	ng	
90) Benzo(a)pyrene	15.357	252	732096	47.170	ng	99
91) Dibenzo(a,h)anthracene	16.880	278	524247	34.578	ng	99
92) Benzo(g,h,i)perylene	17.298	276	466835	29.613	ng	99

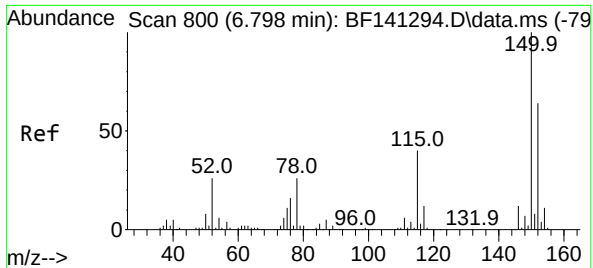
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_F
ClientSampleId :
B-113-SB02MSD

Manual Integrations APPROVED

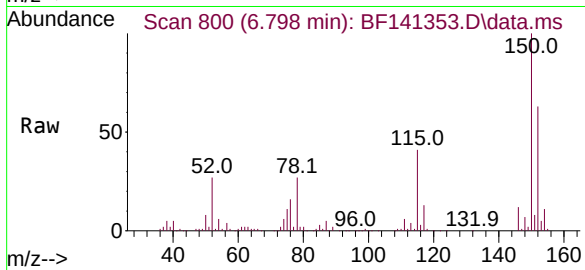
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

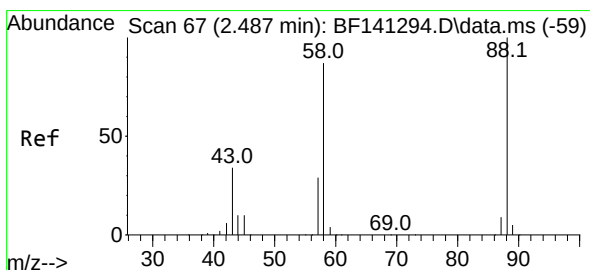
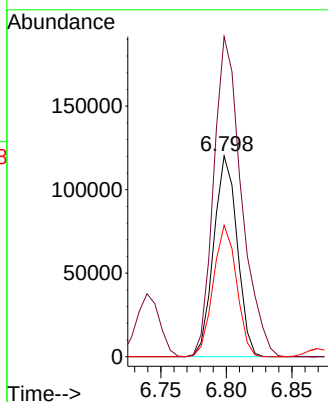
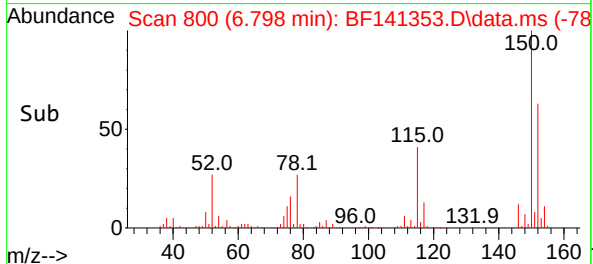
Instrument :
BNA_F
ClientSampleId :
B-113-SB02MSD



Tgt Ion:152 Resp: 149670
Ion Ratio Lower Upper
152 100
150 159.4 125.9 188.9
115 65.5 49.7 74.5

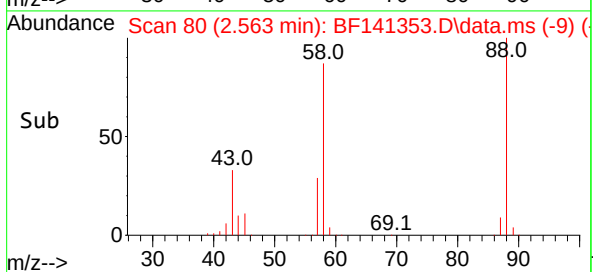
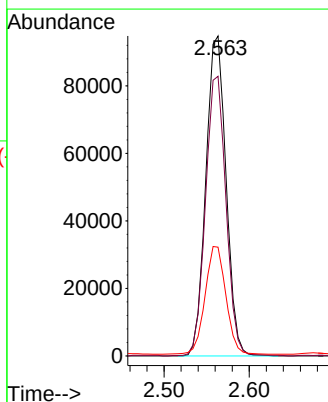
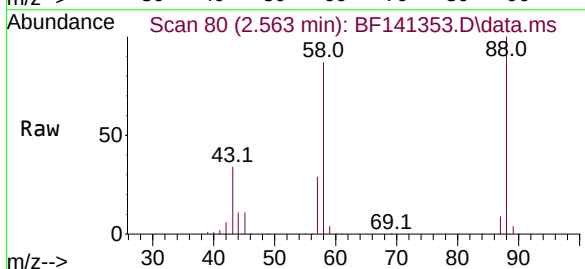
Manual Integrations
APPROVED

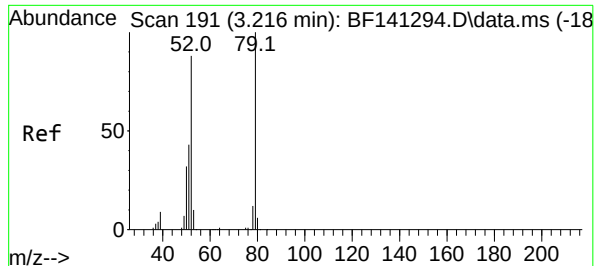
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#2
1,4-Dioxane
Concen: 36.439 ng
RT: 2.563 min Scan# 80
Delta R.T. 0.070 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

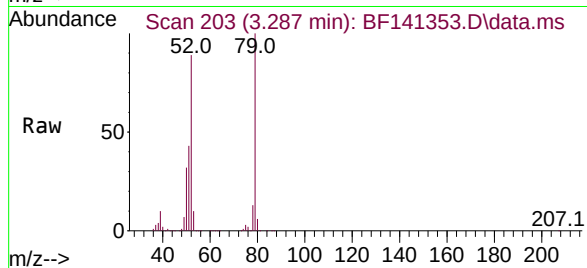
Tgt Ion: 88 Resp: 156245
Ion Ratio Lower Upper
88 100
58 88.8 70.2 105.4
43 34.8 27.6 41.4





#3
Pyridine
Concen: 38.912 ng
RT: 3.287 min Scan# 20
Delta R.T. 0.059 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

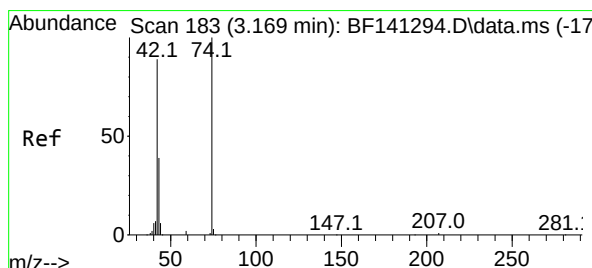
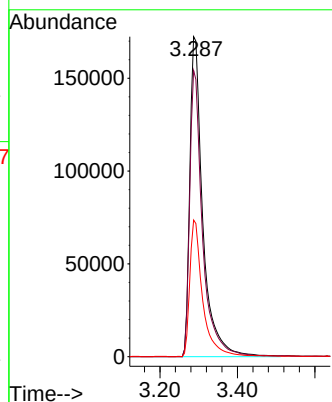
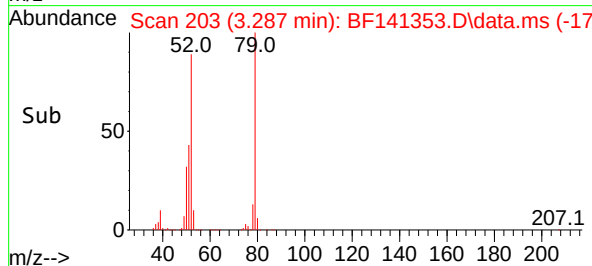
Instrument :
BNA_F
ClientSampleId :
B-113-SB02MSD



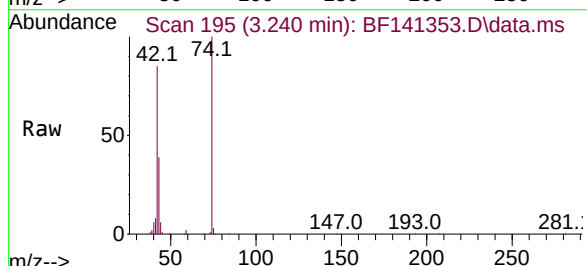
Tgt Ion: 79 Resp: 402004
Ion Ratio Lower Upper
79 100
52 89.4 70.3 105.5
51 42.7 34.3 51.5

Manual Integrations
APPROVED

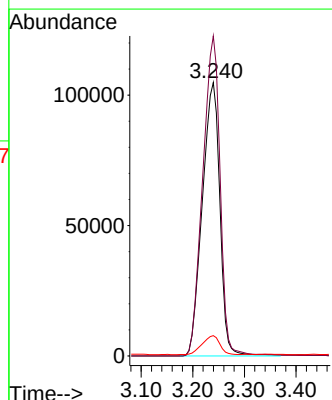
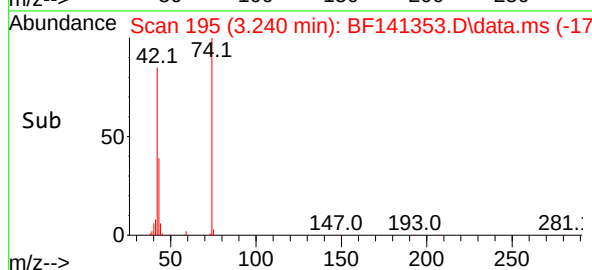
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

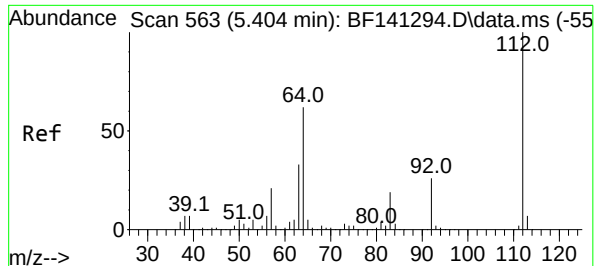


#4
n-Nitrosodimethylamine
Concen: 41.992 ng
RT: 3.240 min Scan# 195
Delta R.T. 0.041 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57



Tgt Ion: 42 Resp: 247827
Ion Ratio Lower Upper
42 100
74 117.0 90.3 135.5
44 7.5 5.7 8.5





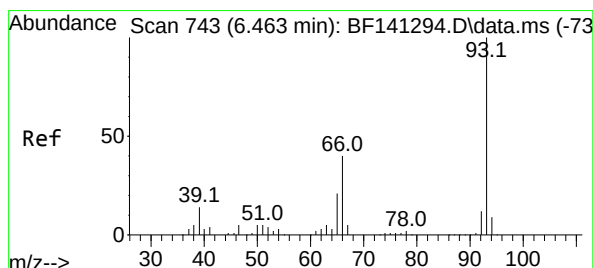
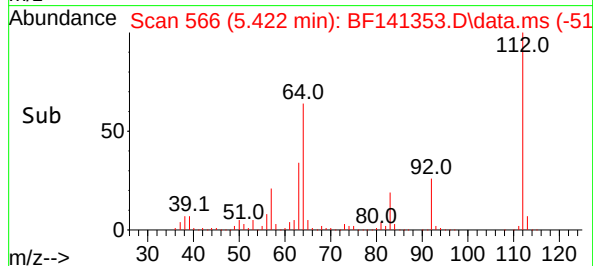
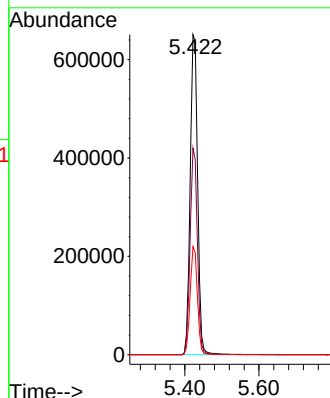
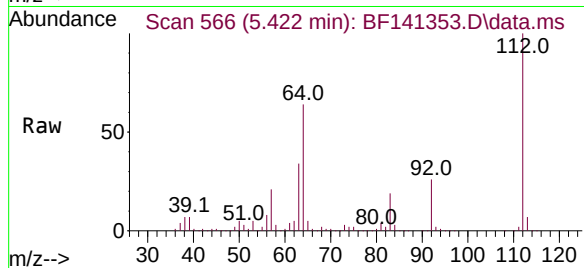
#5
2-Fluorophenol
Concen: 92.808 ng
RT: 5.422 min Scan# 50
Delta R.T. 0.012 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Instrument :
BNA_F
ClientSampleId :
B-113-SB02MSD

Tgt Ion:112 Resp: 90484
Ion Ratio Lower Upper
112 100
64 64.5 49.8 74.8
63 33.7 26.1 39.1

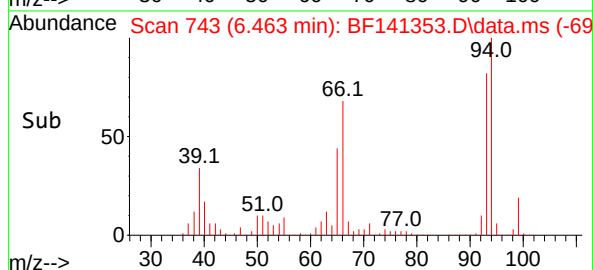
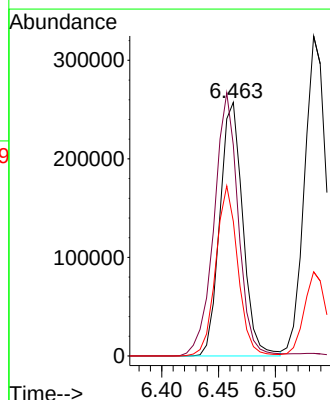
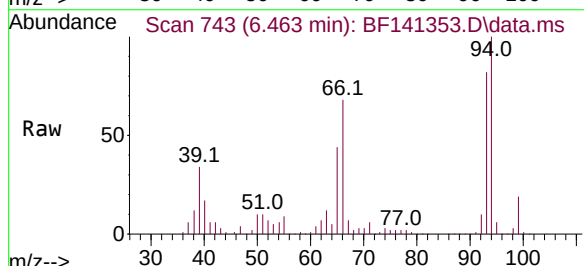
Manual Integrations
APPROVED

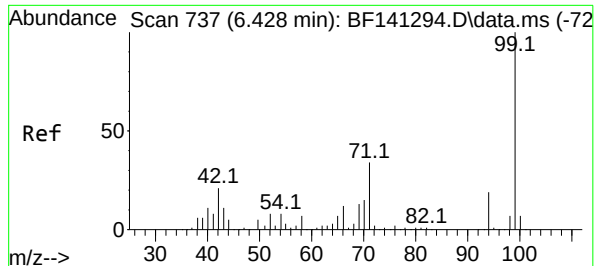
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#6
Aniline
Concen: 34.383 ng
RT: 6.463 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Tgt Ion: 93 Resp: 360976
Ion Ratio Lower Upper
93 100
66 83.2 32.5 48.7#
65 53.1 17.0 25.6#





#7

Phenol-d6

Concen: 89.179 ng

RT: 6.445 min Scan# 740

Delta R.T. 0.006 min

Lab File: BF141353.D

Acq: 01 Feb 2025 00:57

Instrument :

BNA_F

ClientSampleId :

B-113-SB02MSD

Tgt Ion: 99 Resp: 1106069

Ion Ratio Lower Upper

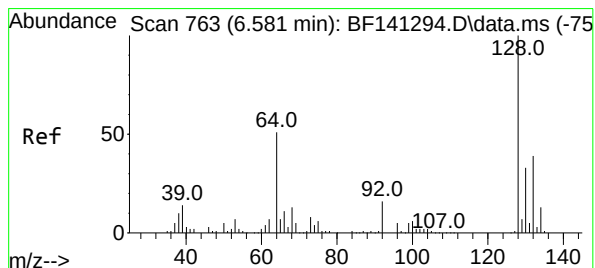
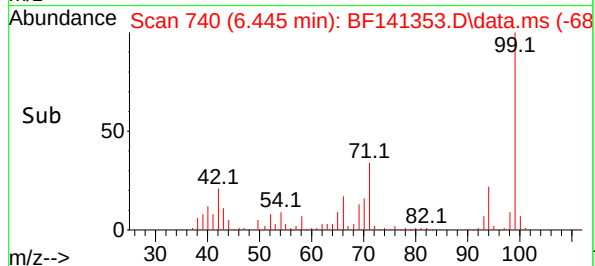
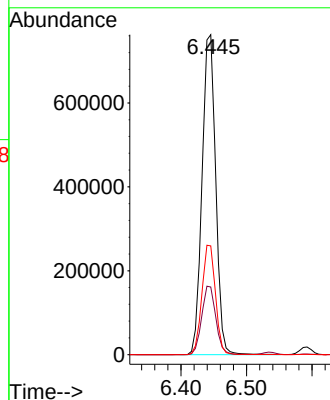
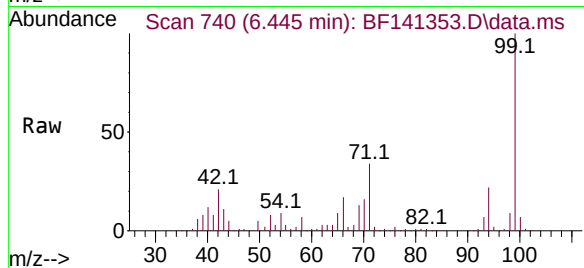
99 100

42 21.1 17.1 25.7

71 34.0 26.9 40.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#8

2-Chlorophenol

Concen: 42.504 ng

RT: 6.592 min Scan# 765

Delta R.T. -0.000 min

Lab File: BF141353.D

Acq: 01 Feb 2025 00:57

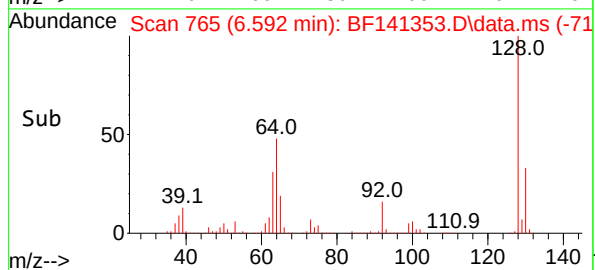
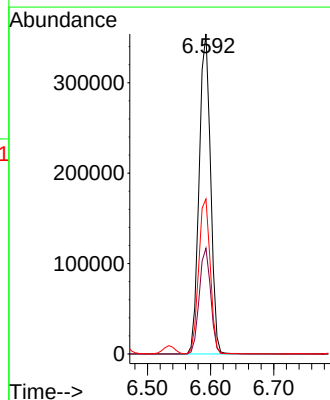
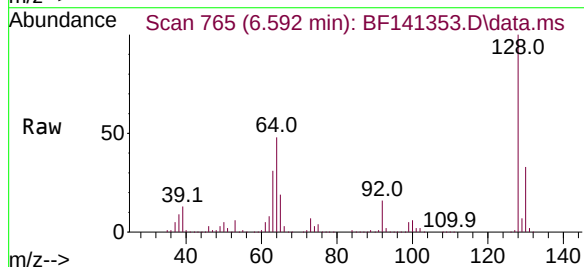
Tgt Ion:128 Resp: 444161

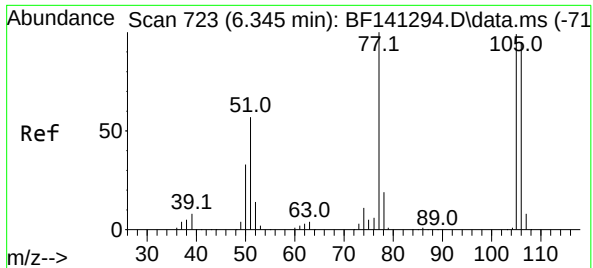
Ion Ratio Lower Upper

128 100

130 33.1 12.5 52.5

64 48.4 32.9 72.9





#9

Benzaldehyde

Concen: 6.398 ng

RT: 6.345 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF141353.D

Acq: 01 Feb 2025 00:57

Instrument :

BNA_F

ClientSampleId :

B-113-SB02MSD

Tgt Ion: 77 Resp: 4596

Ion Ratio Lower Upper

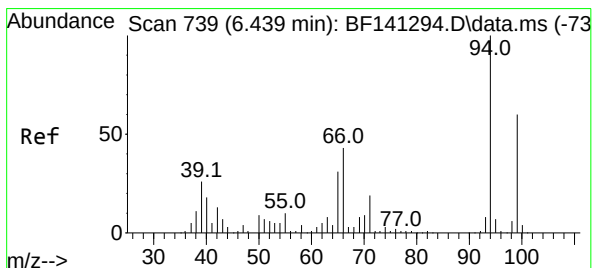
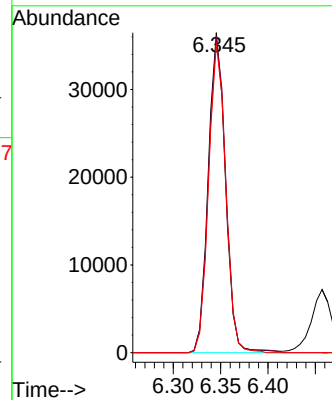
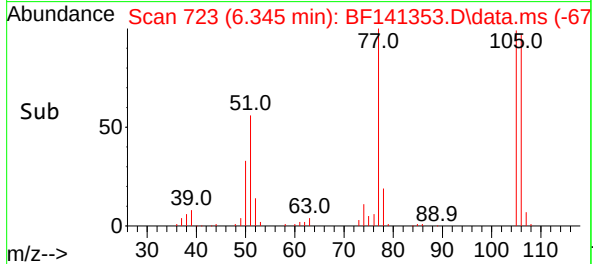
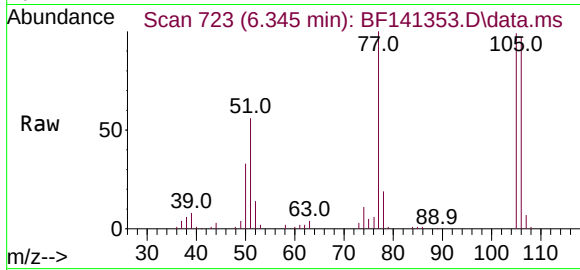
77 100

105 98.8 79.4 119.4

106 96.5 74.6 114.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#10

Phenol

Concen: 41.031 ng

RT: 6.457 min Scan# 742

Delta R.T. 0.006 min

Lab File: BF141353.D

Acq: 01 Feb 2025 00:57

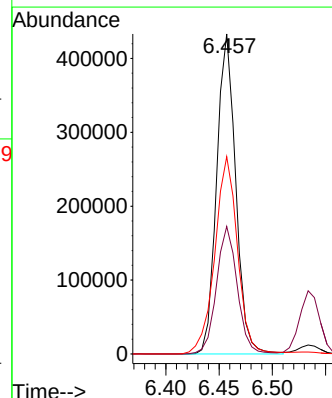
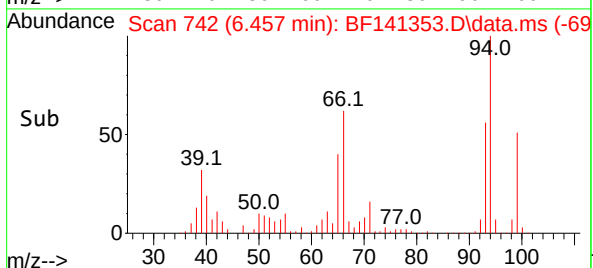
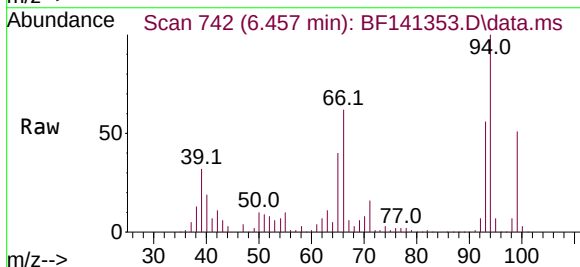
Tgt Ion: 94 Resp: 539453

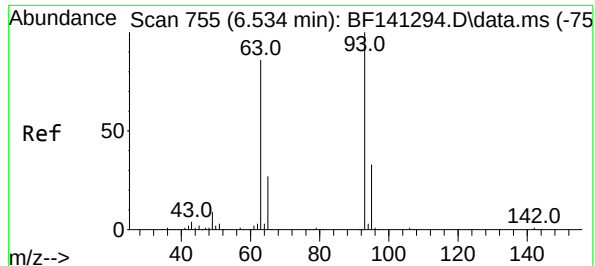
Ion Ratio Lower Upper

94 100

65 39.9 10.8 50.8

66 61.7 23.3 63.3





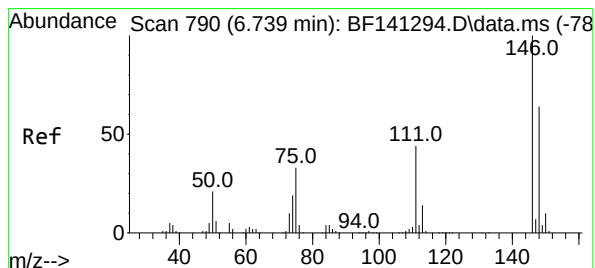
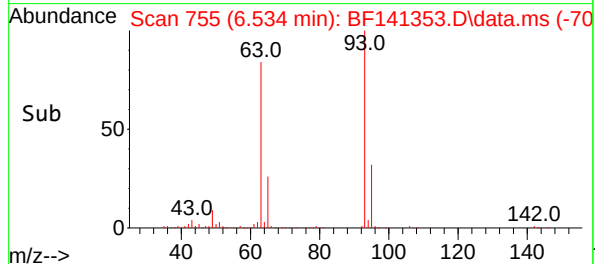
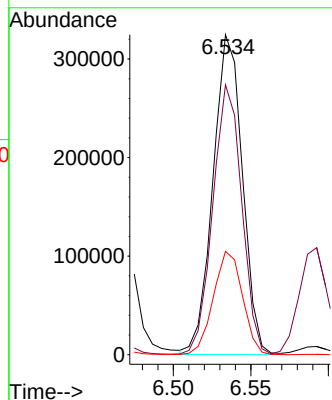
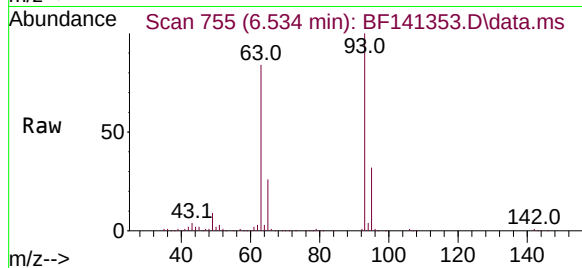
#11
bis(2-Chloroethyl)ether
Concen: 42.445 ng
RT: 6.534 min Scan# 755
Delta R.T. -0.012 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Instrument :
BNA_F
ClientSampleId :
B-113-SB02MSD

Tgt Ion: 93 Resp: 427879
Ion Ratio Lower Upper
93 100
63 84.4 65.0 105.0
95 32.3 12.4 52.4

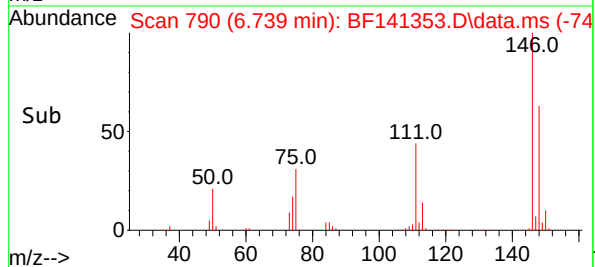
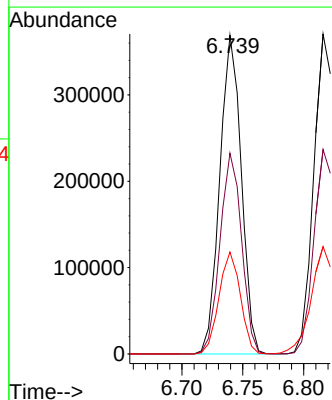
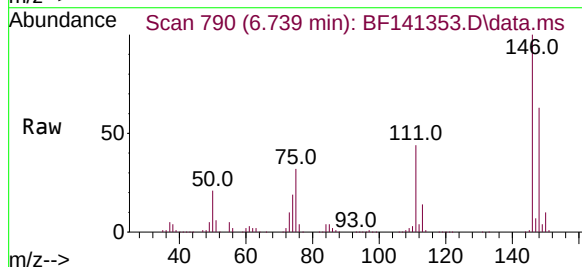
Manual Integrations
APPROVED

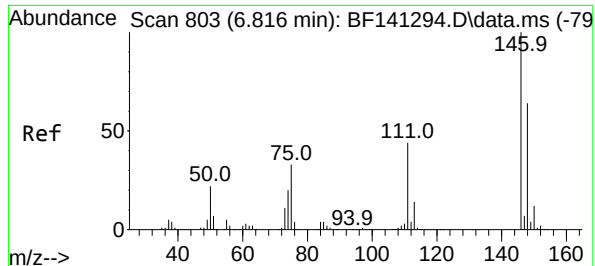
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#12
1,3-Dichlorobenzene
Concen: 39.416 ng
RT: 6.739 min Scan# 790
Delta R.T. -0.006 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Tgt Ion:146 Resp: 454158
Ion Ratio Lower Upper
146 100
148 63.0 51.2 76.8
75 32.0 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 39.688 ng

RT: 6.816 min Scan# 803

Delta R.T. -0.006 min

Lab File: BF141353.D

Acq: 01 Feb 2025 00:57

Instrument :

BNA_F

ClientSampleId :

B-113-SB02MSD

Tgt Ion:146 Resp: 459392

Ion Ratio Lower Upper

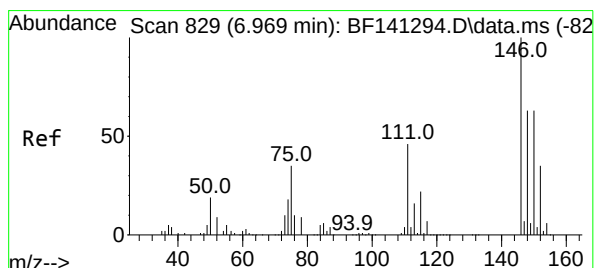
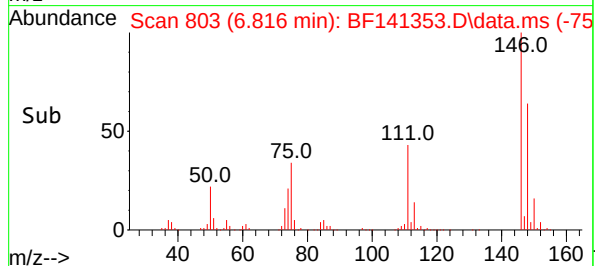
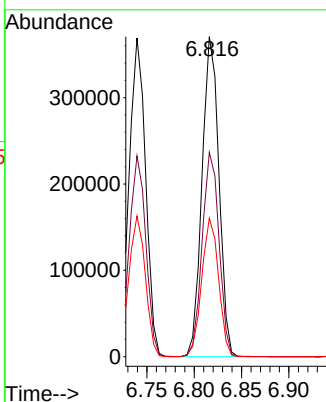
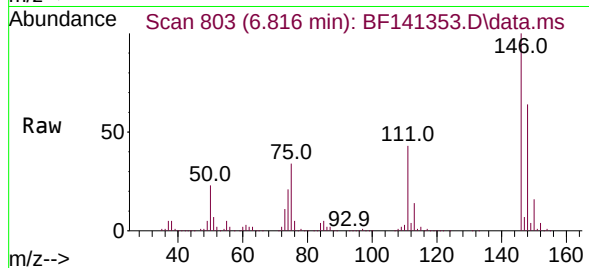
146 100

148 63.9 51.2 76.8

111 43.3 35.0 52.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#14

1,2-Dichlorobenzene

Concen: 40.277 ng

RT: 6.969 min Scan# 829

Delta R.T. -0.006 min

Lab File: BF141353.D

Acq: 01 Feb 2025 00:57

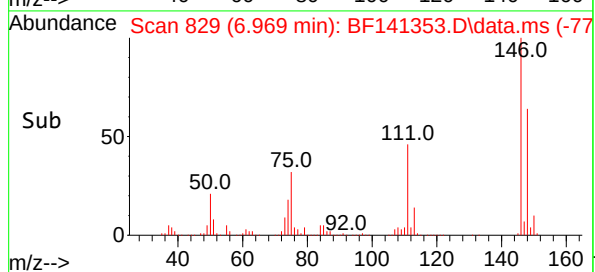
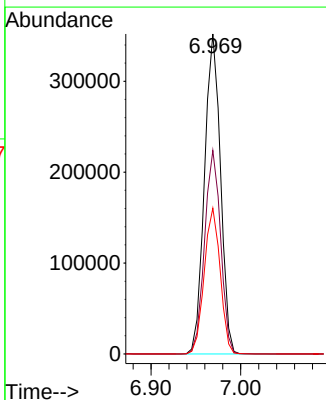
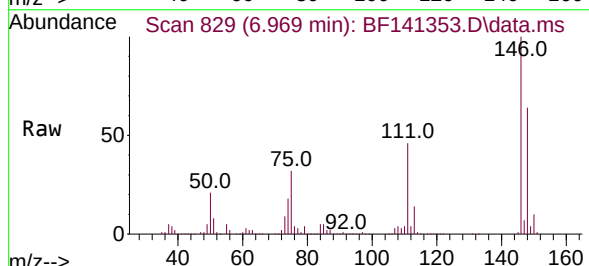
Tgt Ion:146 Resp: 436553

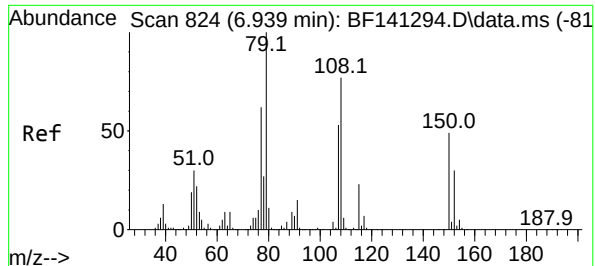
Ion Ratio Lower Upper

146 100

148 63.6 50.5 75.7

111 45.6 36.6 55.0





#15

Benzyl Alcohol

Concen: 43.929 ng

RT: 6.945 min Scan# 81

Delta R.T. -0.000 min

Lab File: BF141353.D

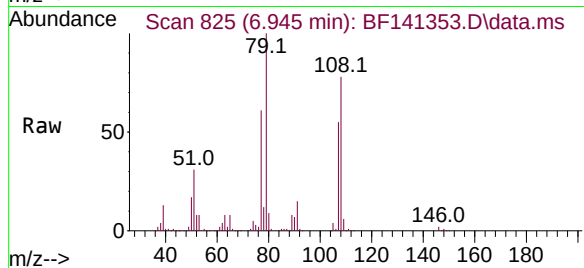
Acq: 01 Feb 2025 00:57

Instrument :

BNA_F

ClientSampleId :

B-113-SB02MSD



Tgt Ion: 79 Resp: 37234

Ion Ratio Lower Upper

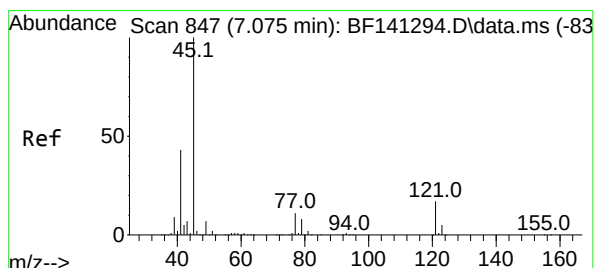
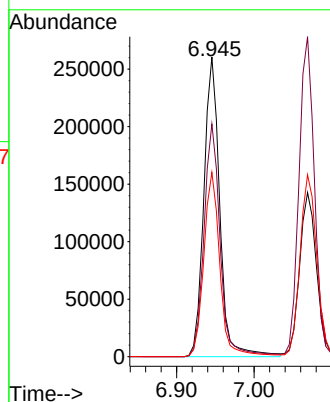
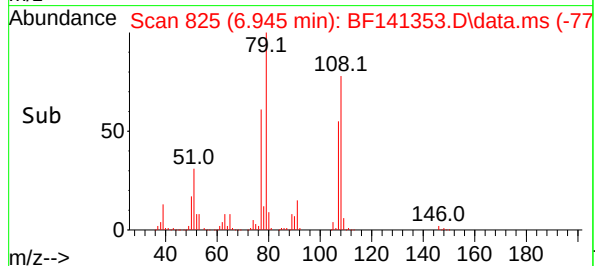
79 100

108 77.7 61.4 92.0

77 61.5 49.9 74.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#16

2,2'-oxybis(1-Chloropropane)

Concen: 40.504 ng

RT: 7.075 min Scan# 847

Delta R.T. -0.006 min

Lab File: BF141353.D

Acq: 01 Feb 2025 00:57

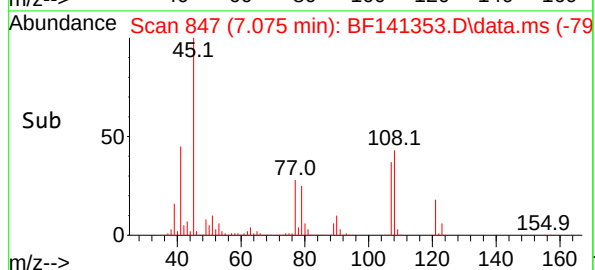
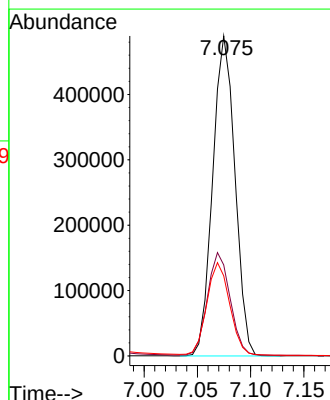
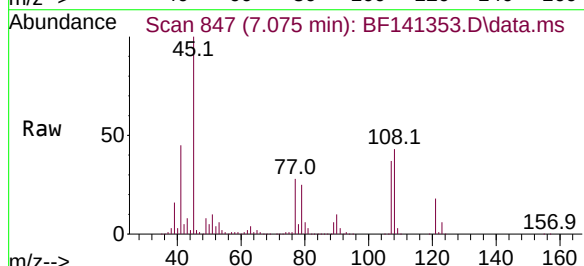
Tgt Ion: 45 Resp: 710017

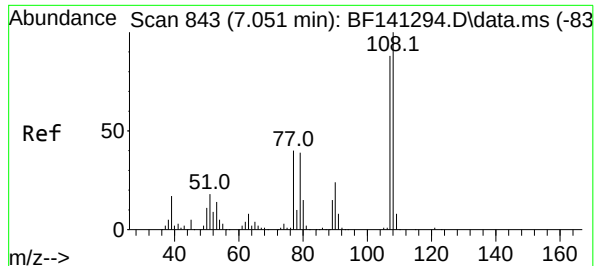
Ion Ratio Lower Upper

45 100

77 28.4 0.0 31.8

79 25.0 0.0 29.1





#17

2-Methylphenol

Concen: 39.707 ng

RT: 7.069 min Scan# 843

Delta R.T. 0.012 min

Lab File: BF141353.D

Acq: 01 Feb 2025 00:57

Instrument :

BNA_F

ClientSampleId :

B-113-SB02MSD

Tgt Ion:107 Resp: 337228

Ion Ratio Lower Upper

107 100

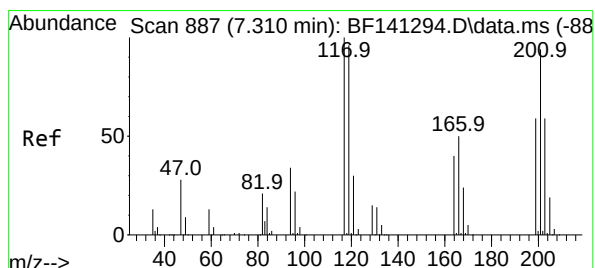
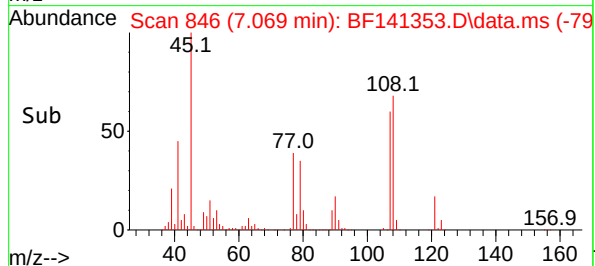
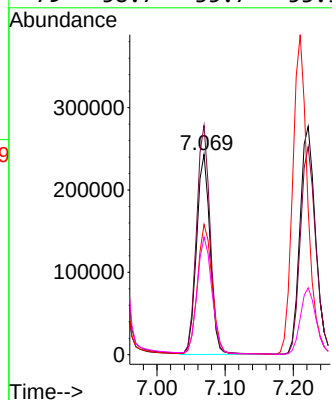
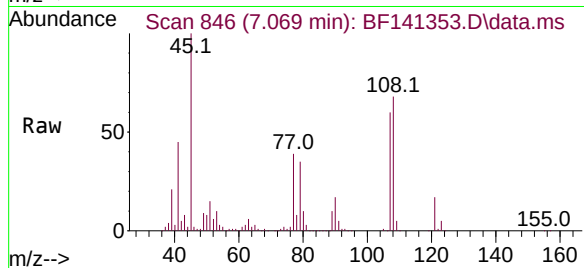
108 114.4 90.8 136.2

77 65.0 36.2 54.4

79 58.7 35.7 53.5#

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#18

Hexachloroethane

Concen: 39.969 ng

RT: 7.310 min Scan# 887

Delta R.T. -0.006 min

Lab File: BF141353.D

Acq: 01 Feb 2025 00:57

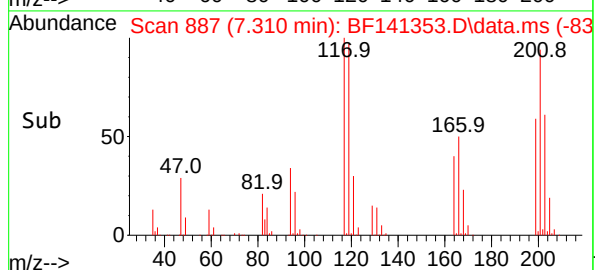
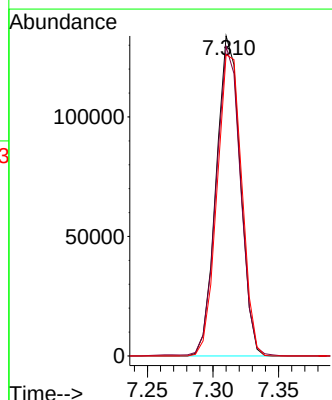
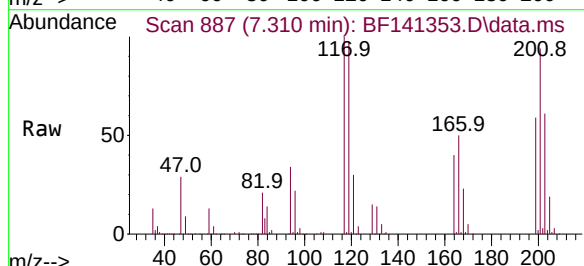
Tgt Ion:117 Resp: 170674

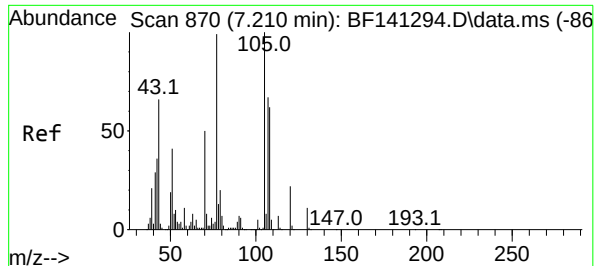
Ion Ratio Lower Upper

117 100

119 96.7 76.6 114.8

201 94.1 74.8 112.2





#19

n-Nitroso-di-n-propylamine

Concen: 41.610 ng

RT: 7.216 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF141353.D

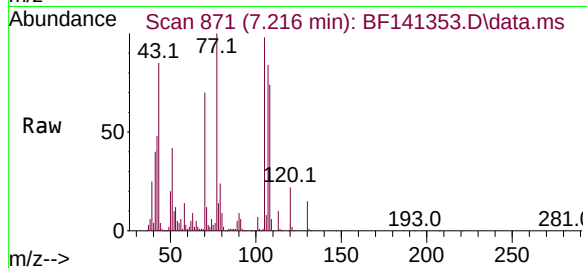
Acq: 01 Feb 2025 00:57

Instrument :

BNA_F

ClientSampleId :

B-113-SB02MSD



Tgt Ion: 70 Resp: 306652

Ion Ratio Lower Upper

70 100

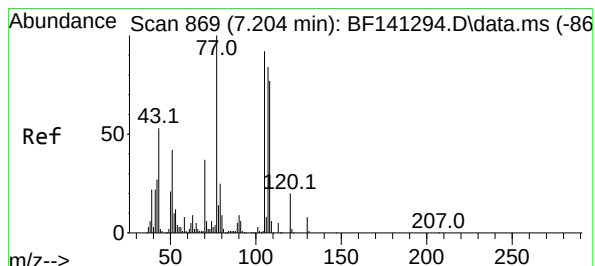
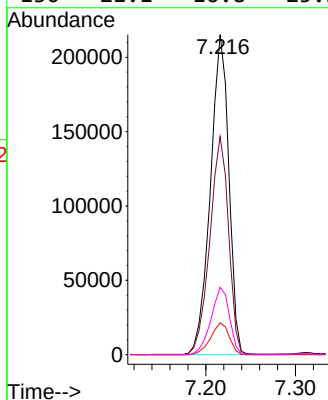
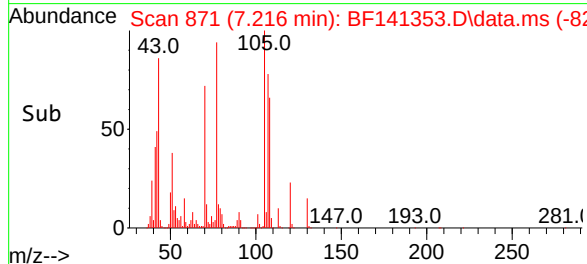
42 68.2 56.8 85.2

101 10.0 7.7 11.5

130 21.1 16.8 25.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#20

3+4-Methylphenols

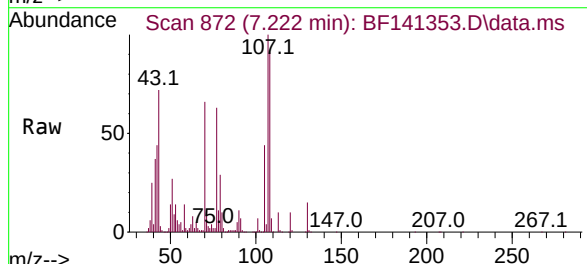
Concen: 42.262 ng

RT: 7.222 min Scan# 872

Delta R.T. 0.006 min

Lab File: BF141353.D

Acq: 01 Feb 2025 00:57



Tgt Ion:107 Resp: 440708

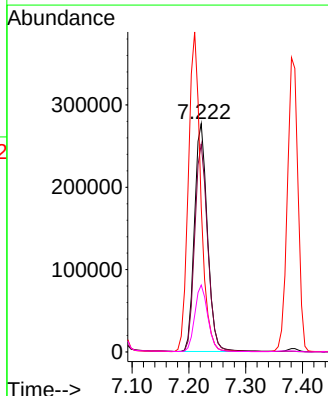
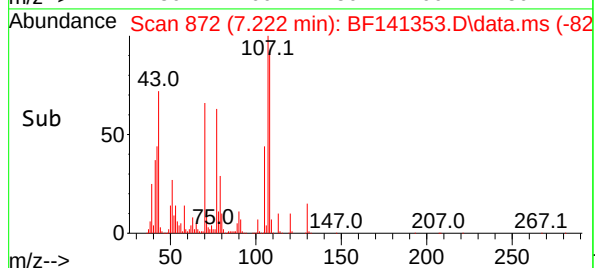
Ion Ratio Lower Upper

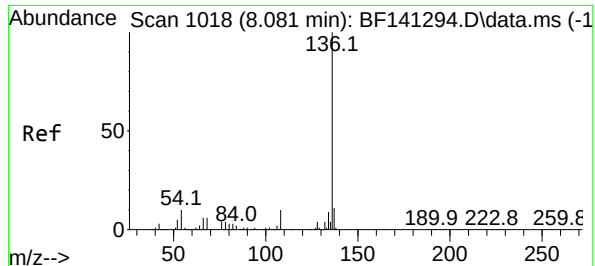
107 100

108 91.2 70.9 110.9

77 63.4 98.5 138.5

79 29.3 9.5 49.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.081 min Scan# 1018

Delta R.T. -0.006 min

Lab File: BF141353.D

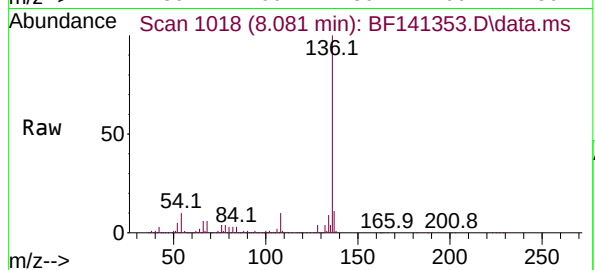
Acq: 01 Feb 2025 00:57

Instrument :

BNA_F

ClientSampleId :

B-113-SB02MSD



Tgt Ion:136 Resp: 58989

Ion Ratio Lower Upper

136 100

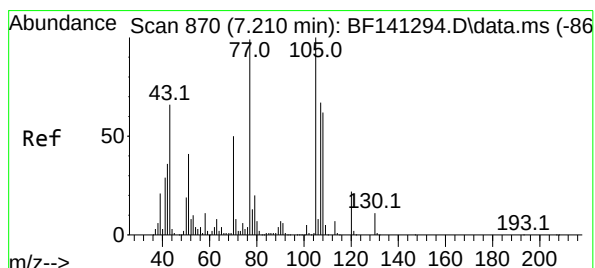
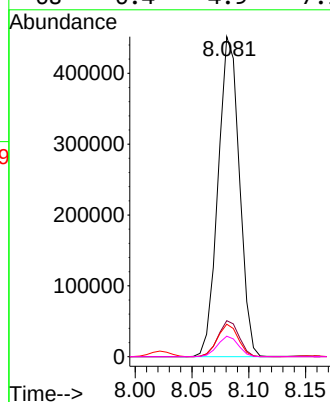
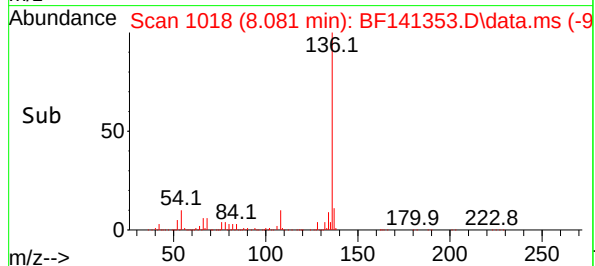
137 11.2 8.6 13.0

54 10.2 7.8 11.8

68 6.4 4.9 7.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#22

Acetophenone

Concen: 41.770 ng

RT: 7.210 min Scan# 870

Delta R.T. -0.006 min

Lab File: BF141353.D

Acq: 01 Feb 2025 00:57

Tgt Ion:105 Resp: 585685

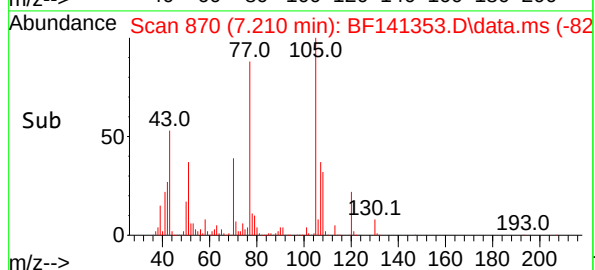
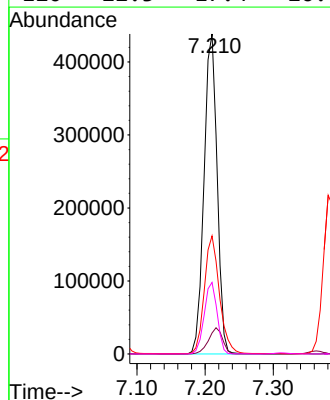
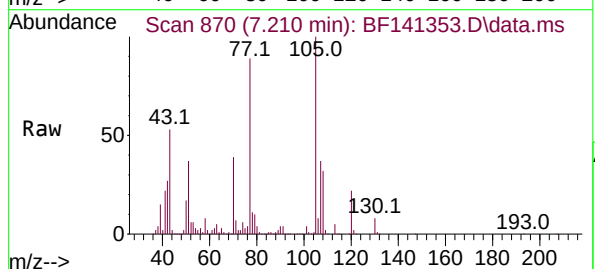
Ion Ratio Lower Upper

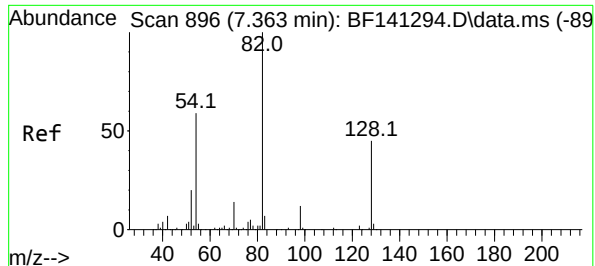
105 100

71 6.6 6.8 10.2#

51 36.9 32.6 49.0

120 22.3 17.4 26.0





#23

Nitrobenzene-d5

Concen: 64.326 ng

RT: 7.363 min Scan# 896

Delta R.T. -0.006 min

Lab File: BF141353.D

Acq: 01 Feb 2025 00:57

Instrument :

BNA_F

ClientSampleId :

B-113-SB02MSD

Tgt Ion: 82 Resp: 71980

Ion Ratio Lower Upper

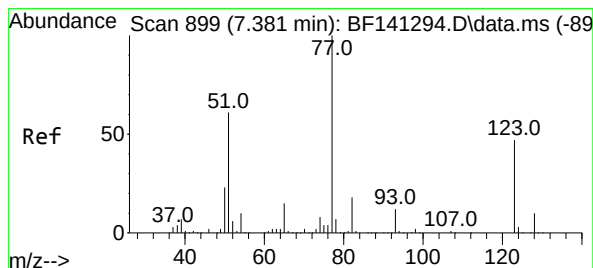
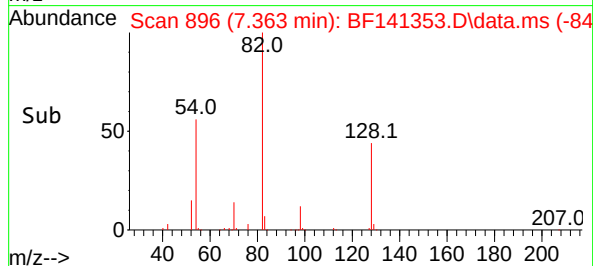
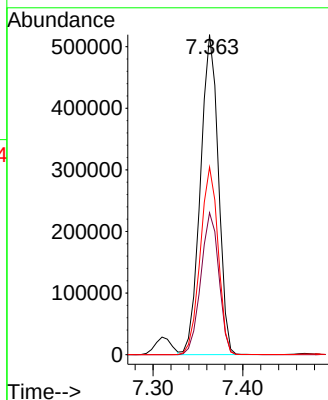
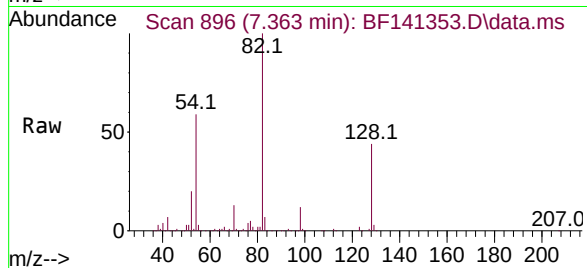
82 100

128 44.3 35.7 53.5

54 58.6 47.1 70.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#24

Nitrobenzene

Concen: 40.009 ng

RT: 7.381 min Scan# 899

Delta R.T. -0.012 min

Lab File: BF141353.D

Acq: 01 Feb 2025 00:57

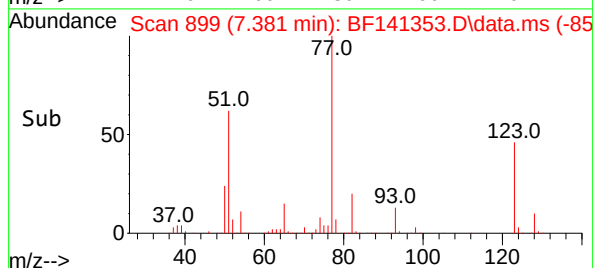
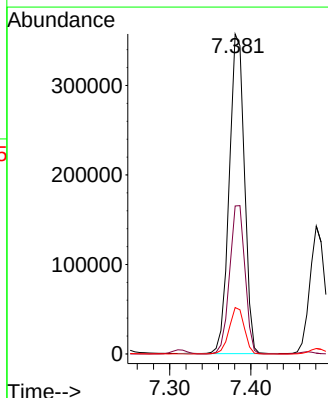
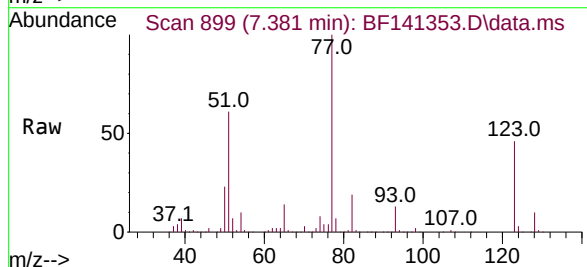
Tgt Ion: 77 Resp: 463958

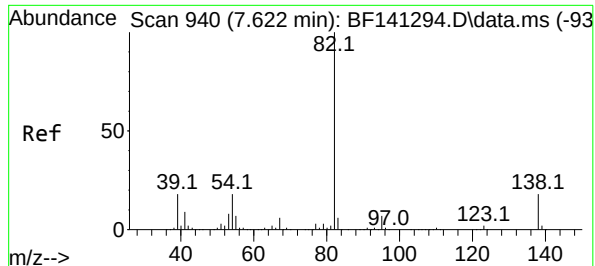
Ion Ratio Lower Upper

77 100

123 46.3 37.3 55.9

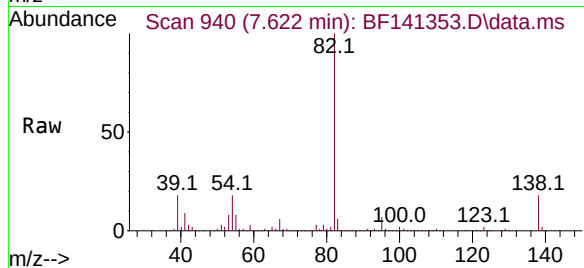
65 14.5 11.8 17.6





#25
Isophorone
Concen: 42.053 ng
RT: 7.622 min Scan# 940
Delta R.T. -0.006 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

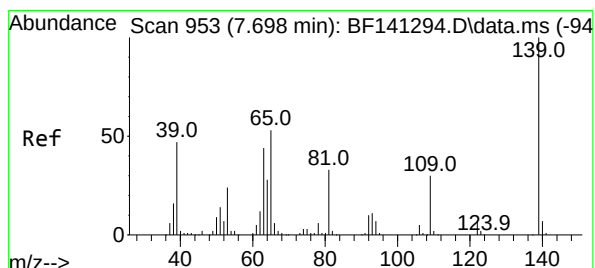
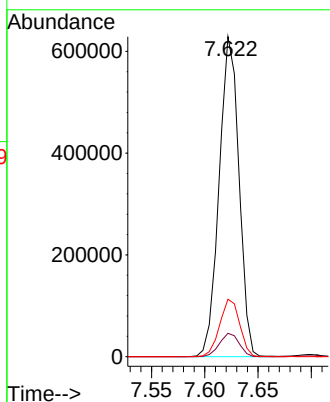
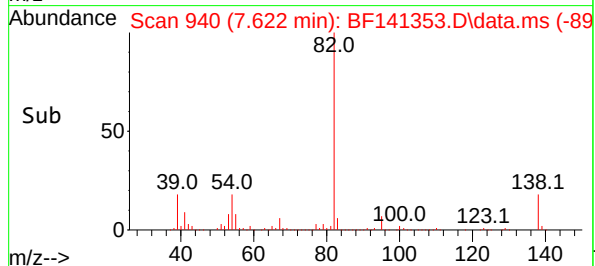
Instrument :
BNA_F
ClientSampleId :
B-113-SB02MSD



Tgt Ion: 82 Resp: 81342
Ion Ratio Lower Upper
82 100
95 7.3 5.8 8.6
138 17.9 14.7 22.1

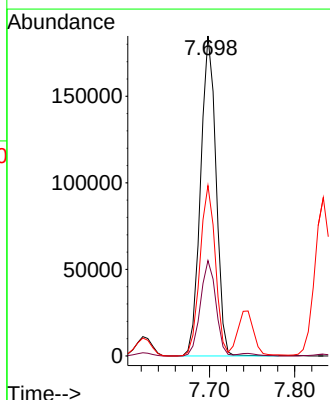
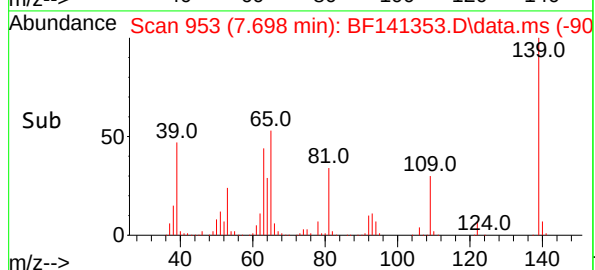
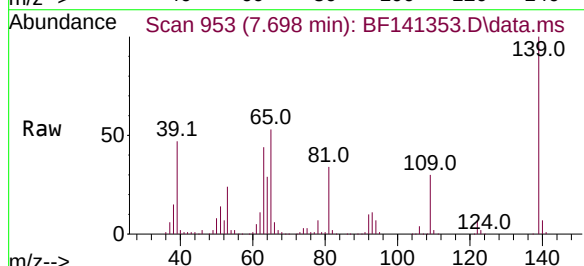
Manual Integrations
APPROVED

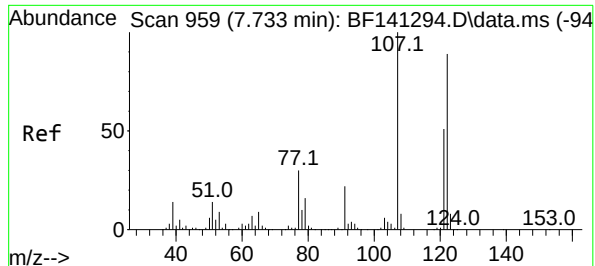
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#26
2-Nitrophenol
Concen: 42.556 ng
RT: 7.698 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Tgt Ion:139 Resp: 232740
Ion Ratio Lower Upper
139 100
109 29.8 23.8 35.6
65 53.3 42.2 63.4





#27

2,4-Dimethylphenol

Concen: 49.727 ng m

RT: 7.745 min Scan# 90

Delta R.T. 0.006 min

Lab File: BF141353.D

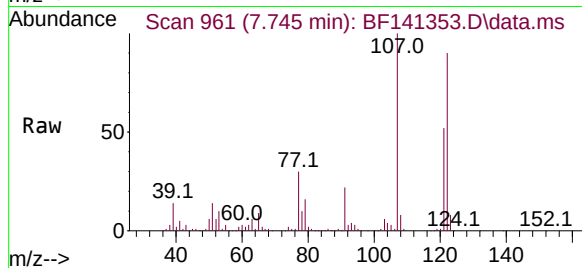
Acq: 01 Feb 2025 00:57

Instrument :

BNA_F

ClientSampleId :

B-113-SB02MSD



Tgt Ion:122 Resp: 346152

Ion Ratio Lower Upper

122 100

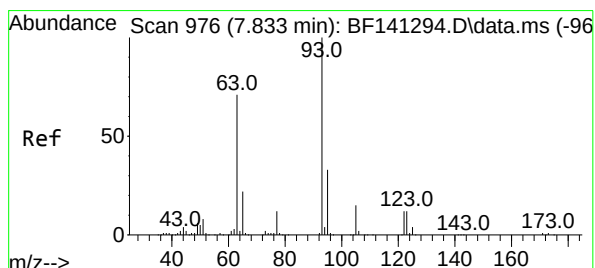
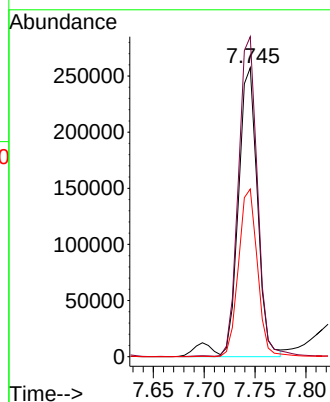
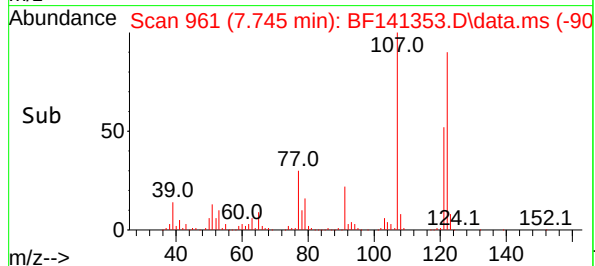
107 110.7 89.9 134.9

121 58.0 46.1 69.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
 Supervised By :mohammad ahmed 02/04/2025



#28

bis(2-Chloroethoxy)methane

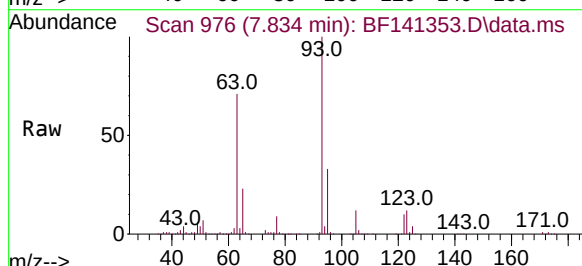
Concen: 41.726 ng

RT: 7.834 min Scan# 976

Delta R.T. -0.006 min

Lab File: BF141353.D

Acq: 01 Feb 2025 00:57



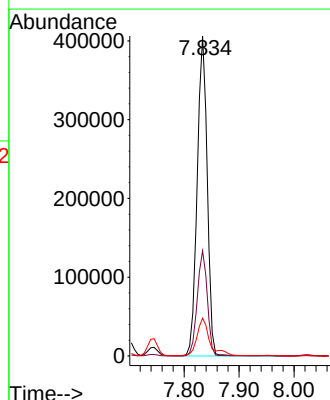
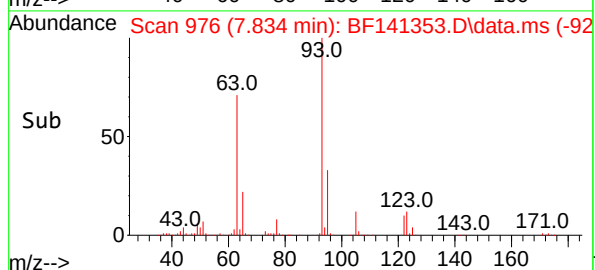
Tgt Ion: 93 Resp: 514821

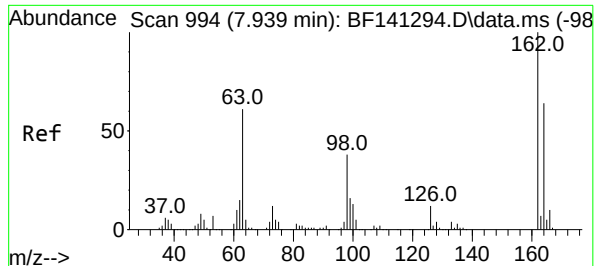
Ion Ratio Lower Upper

93 100

95 32.8 26.2 39.2

123 11.8 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 41.921 ng

RT: 7.951 min Scan# 994

Delta R.T. 0.006 min

Lab File: BF141353.D

Acq: 01 Feb 2025 00:57

Instrument :

BNA_F

ClientSampleId :

B-113-SB02MSD

Tgt Ion:162 Resp: 35724

Ion Ratio Lower Upper

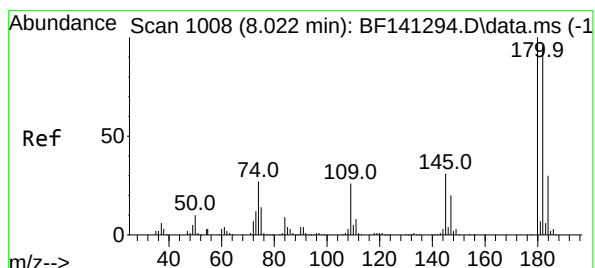
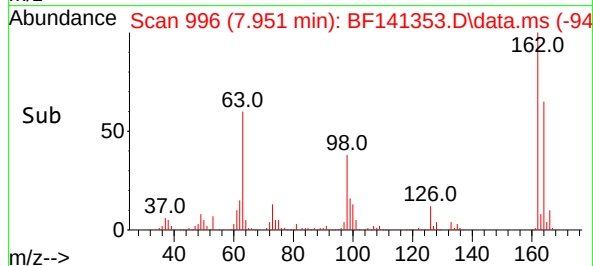
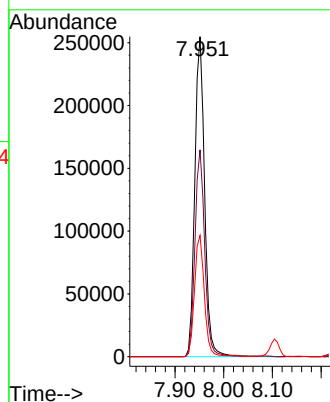
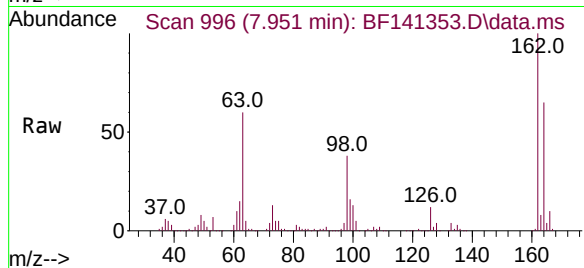
162 100

164 64.7 44.2 84.2

98 37.9 18.2 58.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#30

1,2,4-Trichlorobenzene

Concen: 38.191 ng

RT: 8.022 min Scan# 1008

Delta R.T. -0.006 min

Lab File: BF141353.D

Acq: 01 Feb 2025 00:57

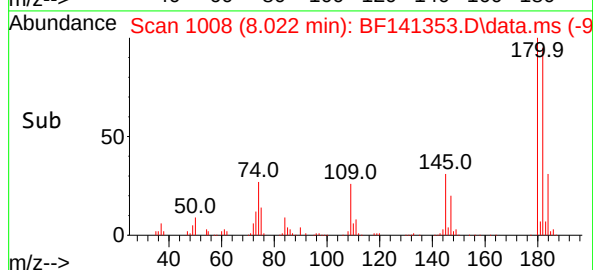
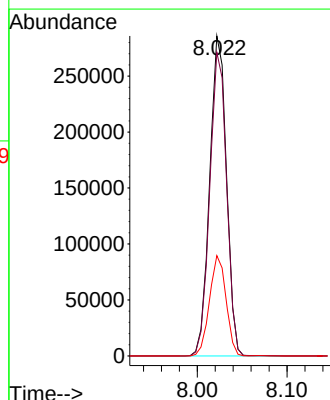
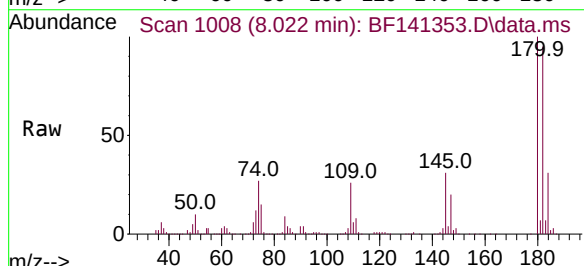
Tgt Ion:180 Resp: 371686

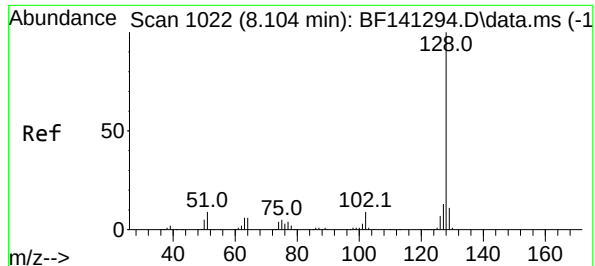
Ion Ratio Lower Upper

180 100

182 94.9 76.4 114.6

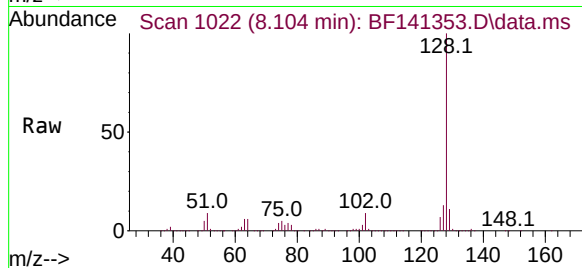
145 31.3 24.9 37.3





#31
Naphthalene
Concen: 39.847 ng
RT: 8.104 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

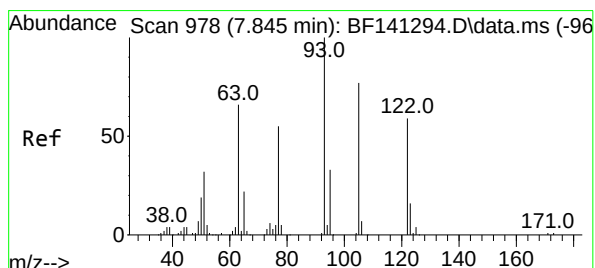
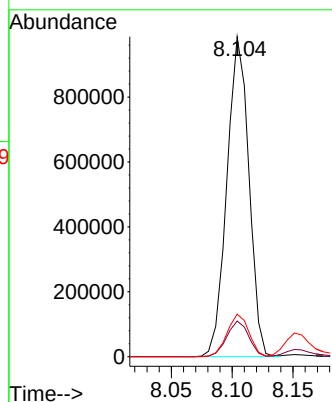
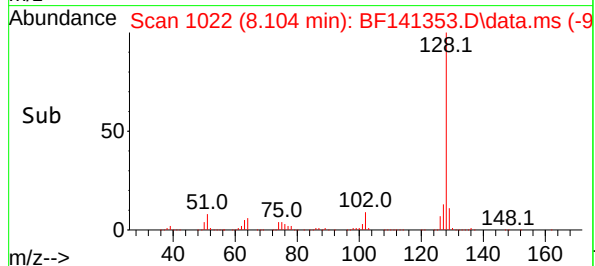
Instrument :
BNA_F
ClientSampleId :
B-113-SB02MSD



Tgt Ion:128 Resp: 124172
Ion Ratio Lower Upper
128 100
129 11.2 8.9 13.3
127 13.3 10.6 15.8

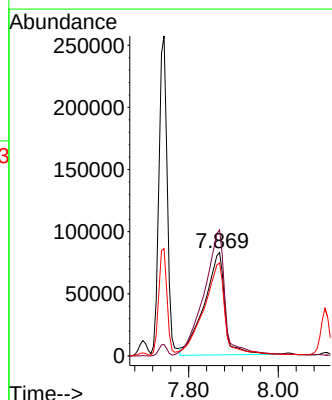
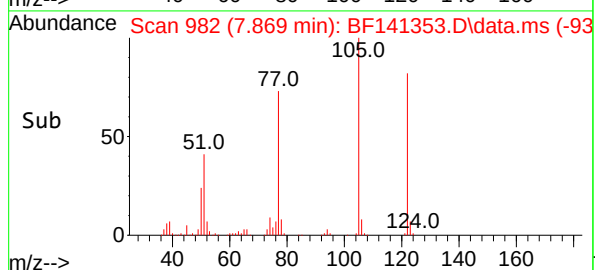
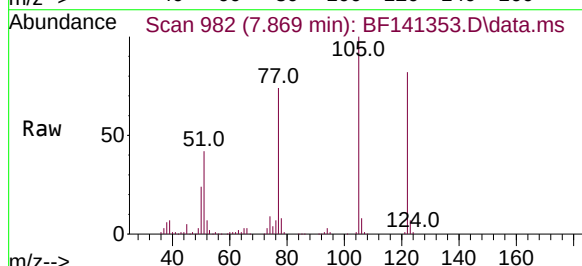
Manual Integrations
APPROVED

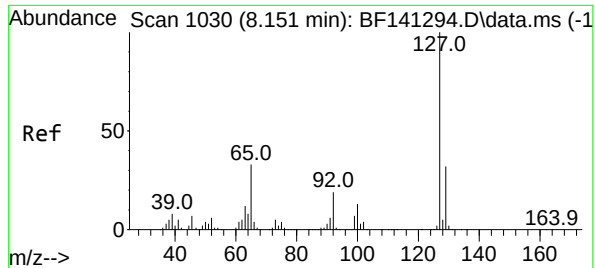
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#32
Benzoic acid
Concen: 41.230 ng
RT: 7.869 min Scan# 982
Delta R.T. -0.012 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Tgt Ion:122 Resp: 263841
Ion Ratio Lower Upper
122 100
105 121.9 103.4 143.4
77 90.1 70.9 110.9





#33

4-Chloroaniline

Concen: 11.709 ng

RT: 8.151 min Scan# 1030

Delta R.T. -0.006 min

Lab File: BF141353.D

Acq: 01 Feb 2025 00:57

Instrument :

BNA_F

ClientSampleId :

B-113-SB02MSD

Tgt Ion:127 Resp: 123735

Ion Ratio Lower Upper

127 100

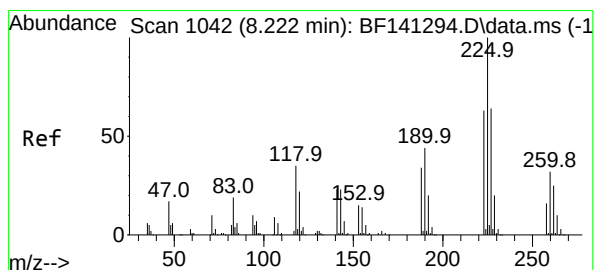
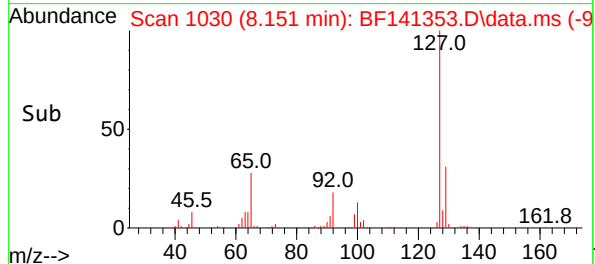
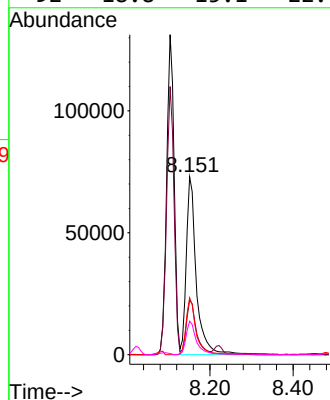
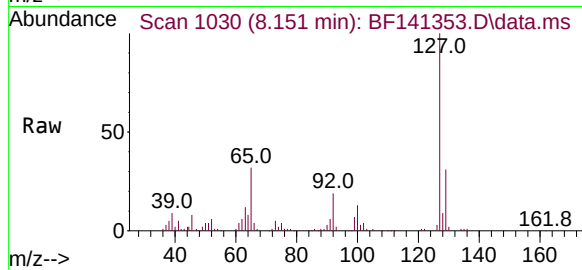
129 30.5 25.7 38.5

65 32.0 26.4 39.6

92 18.8 15.1 22.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#34

Hexachlorobutadiene

Concen: 39.091 ng

RT: 8.222 min Scan# 1042

Delta R.T. -0.000 min

Lab File: BF141353.D

Acq: 01 Feb 2025 00:57

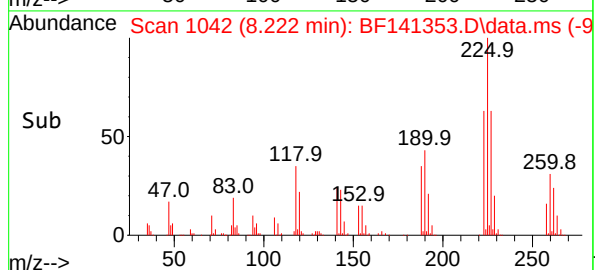
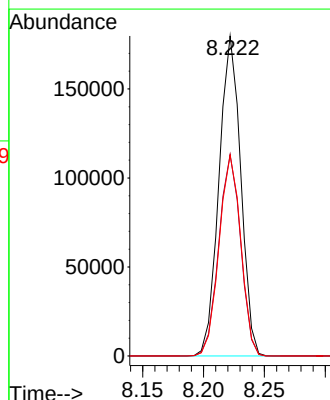
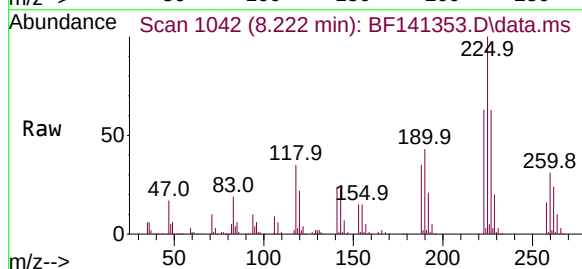
Tgt Ion:225 Resp: 223107

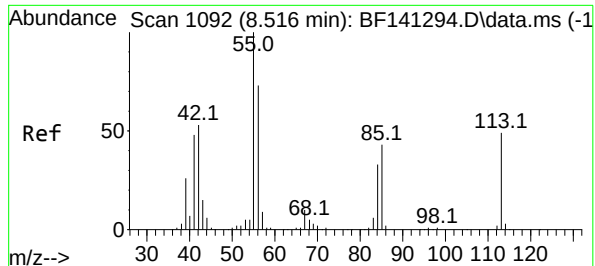
Ion Ratio Lower Upper

225 100

223 63.0 50.4 75.6

227 62.8 51.3 76.9





#35

Caprolactam

Concen: 41.781 ng

RT: 8.522 min Scan# 1109

Delta R.T. -0.024 min

Lab File: BF141353.D

Acq: 01 Feb 2025 00:57

Instrument :

BNA_F

ClientSampleId :

B-113-SB02MSD

Tgt Ion:113 Resp: 11628

Ion Ratio Lower Upper

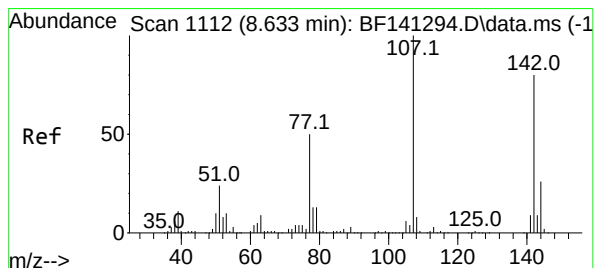
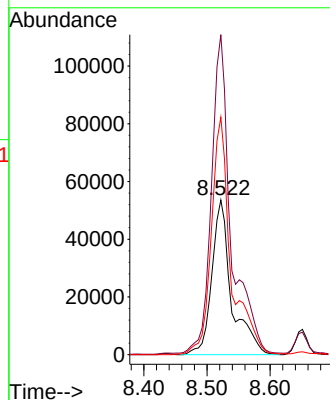
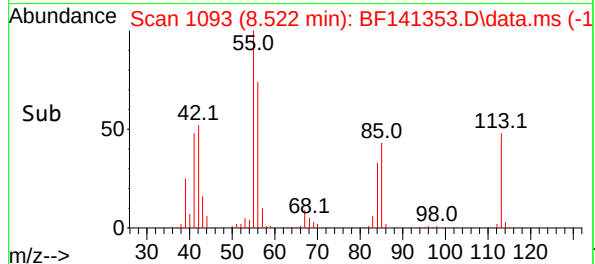
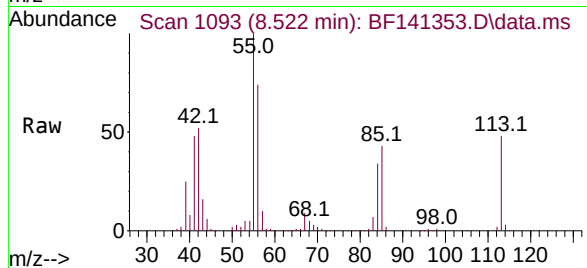
113 100

55 206.8 182.9 222.9

56 153.4 127.9 167.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#36

4-Chloro-3-methylphenol

Concen: 41.132 ng

RT: 8.651 min Scan# 1115

Delta R.T. 0.012 min

Lab File: BF141353.D

Acq: 01 Feb 2025 00:57

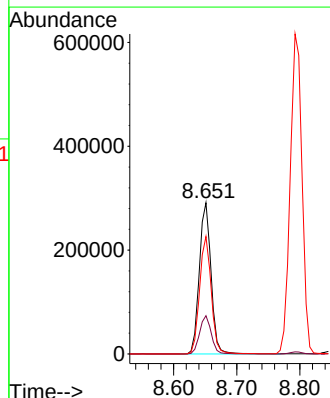
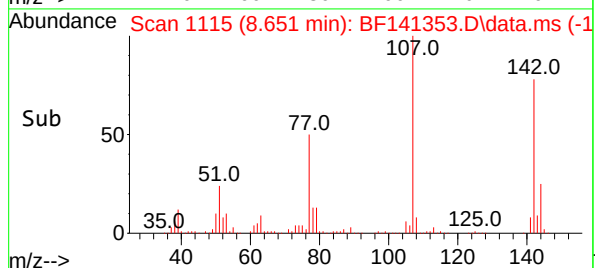
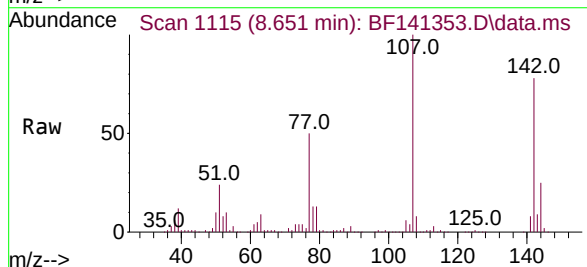
Tgt Ion:107 Resp: 375991

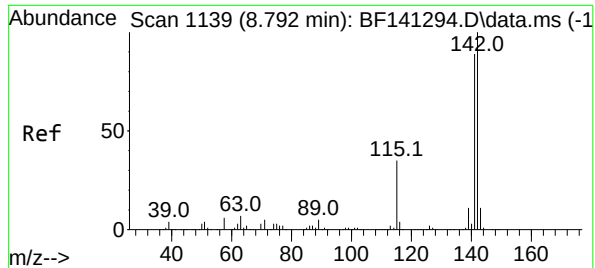
Ion Ratio Lower Upper

107 100

144 25.3 20.7 31.1

142 77.7 63.8 95.8





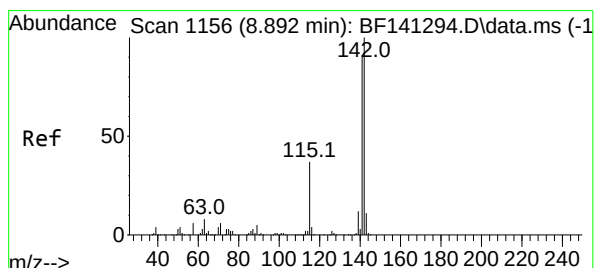
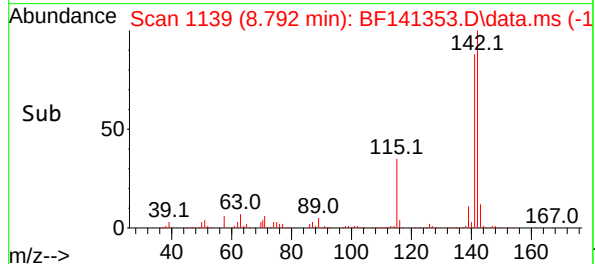
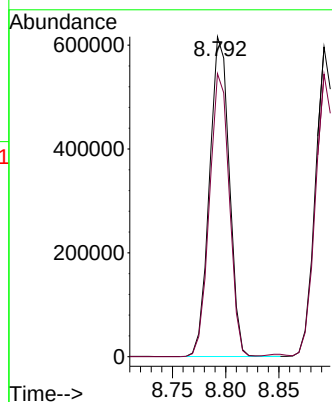
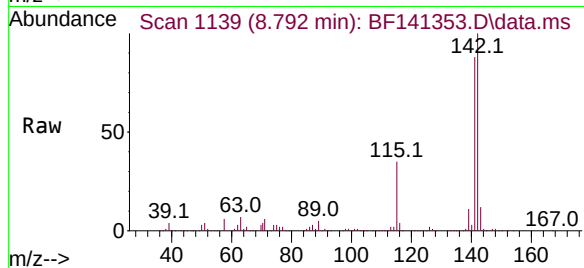
#37
2-Methylnaphthalene
Concen: 40.265 ng
RT: 8.792 min Scan# 1139
Delta R.T. -0.006 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Instrument :
BNA_F
ClientSampleId :
B-113-SB02MSD

Tgt Ion:142 Resp: 797510
Ion Ratio Lower Upper
142 100
141 88.5 71.3 106.9

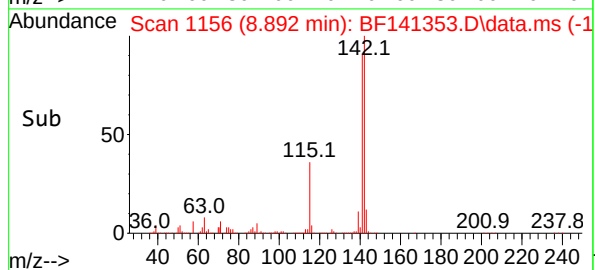
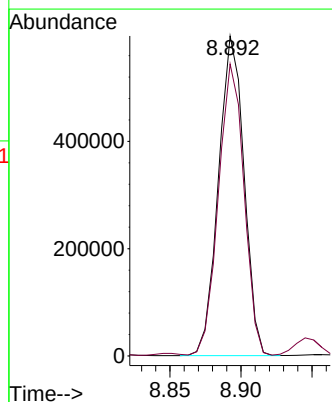
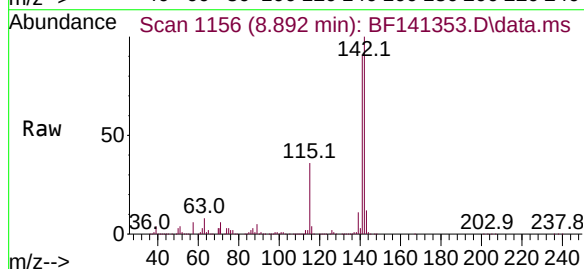
Manual Integrations
APPROVED

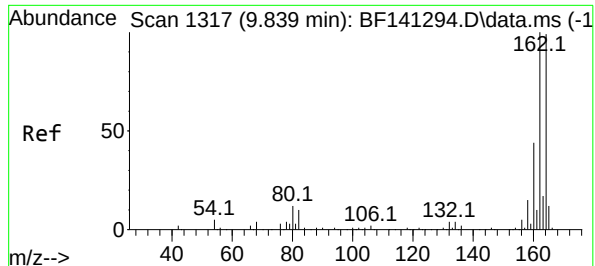
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#38
1-Methylnaphthalene
Concen: 38.311 ng
RT: 8.892 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Tgt Ion:142 Resp: 745385
Ion Ratio Lower Upper
142 100
141 91.2 73.2 109.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.839 min Scan# 1167

Delta R.T. -0.000 min

Lab File: BF141353.D

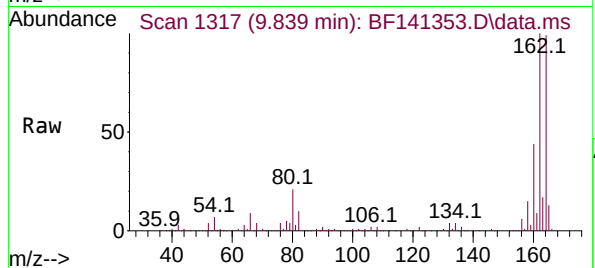
Acq: 01 Feb 2025 00:57

Instrument :

BNA_F

ClientSampleId :

B-113-SB02MSD



Tgt Ion:164 Resp: 304724

Ion Ratio Lower Upper

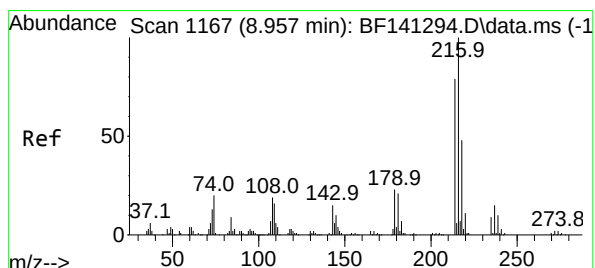
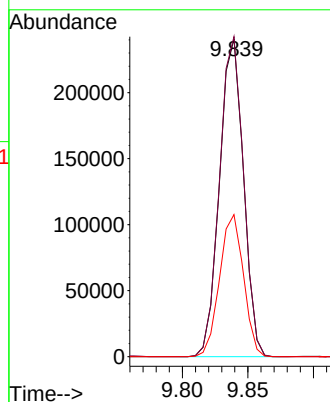
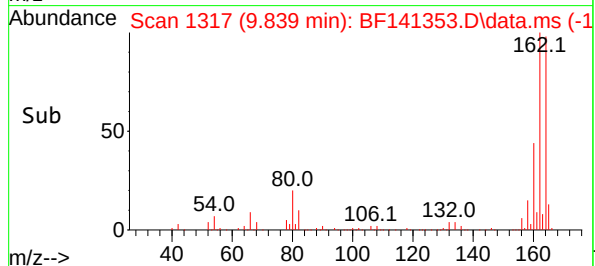
164 100

162 100.7 80.6 121.0

160 44.7 35.8 53.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#40

1,2,4,5-Tetrachlorobenzene

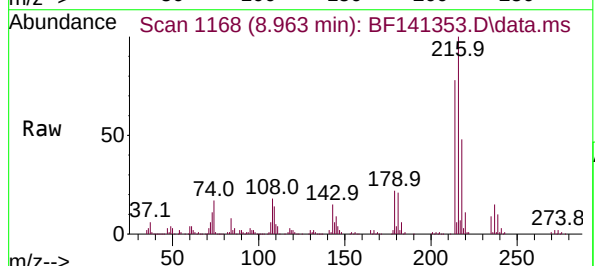
Concen: 41.338 ng

RT: 8.963 min Scan# 1168

Delta R.T. -0.000 min

Lab File: BF141353.D

Acq: 01 Feb 2025 00:57



Tgt Ion:216 Resp: 358360

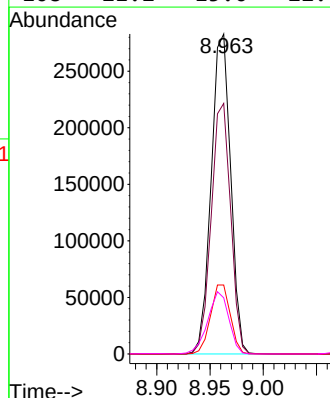
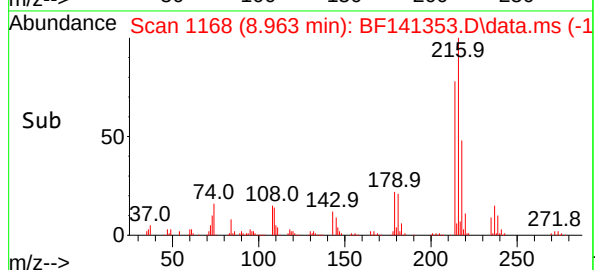
Ion Ratio Lower Upper

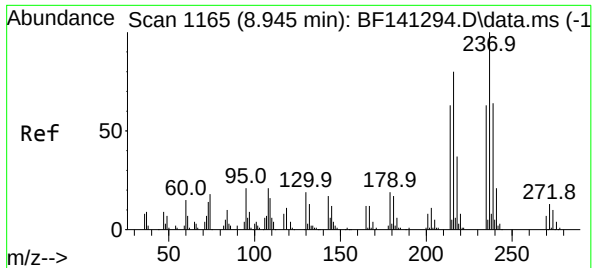
216 100

214 78.3 63.2 94.8

179 22.0 17.8 26.8

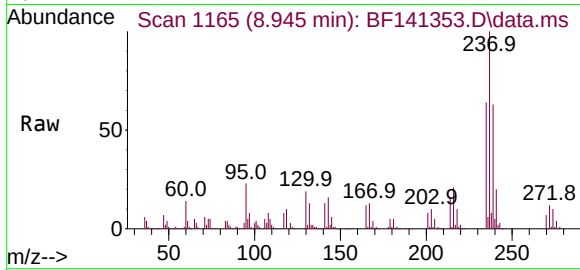
108 21.2 15.0 22.6





#41
Hexachlorocyclopentadiene
Concen: 129.149 ng
RT: 8.945 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

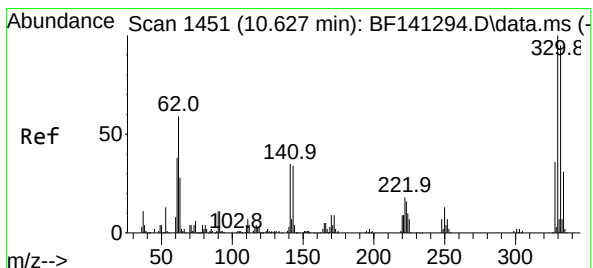
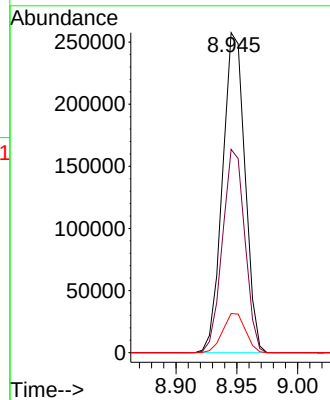
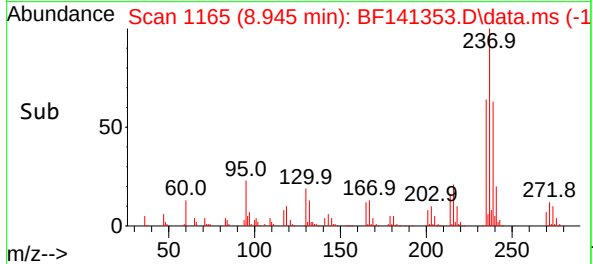
Instrument :
BNA_F
ClientSampleId :
B-113-SB02MSD



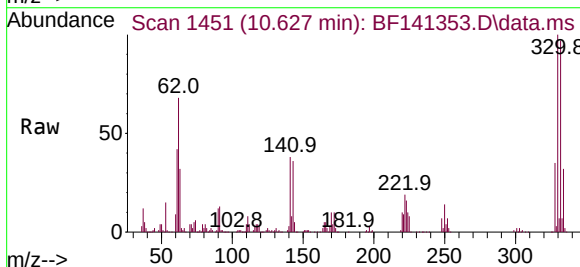
Tgt Ion: 237 Resp: 330649
Ion Ratio Lower Upper
237 100
235 63.5 42.9 82.9
272 12.3 0.0 32.8

Manual Integrations
APPROVED

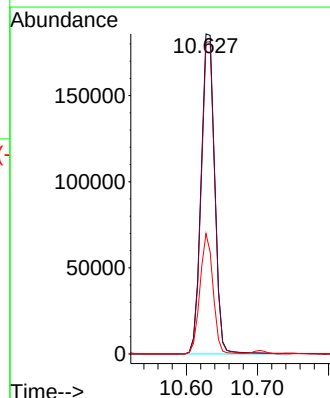
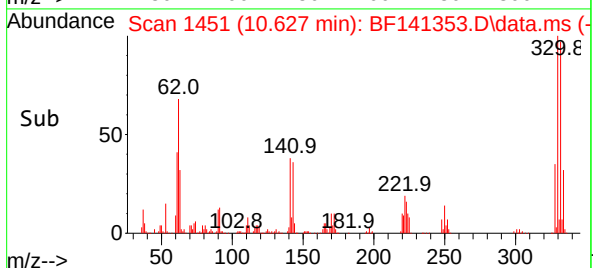
Reviewed By : Jagrut Upadhyay 02/03/2025
Supervised By : mohammad ahmed 02/04/2025

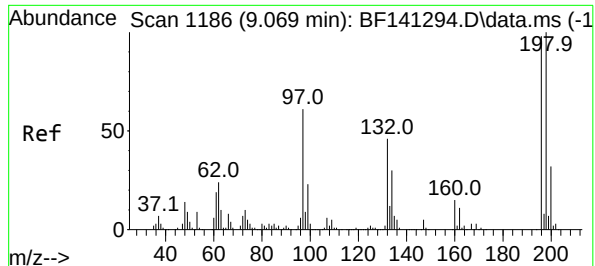


#42
2,4,6-Tribromophenol
Concen: 88.864 ng
RT: 10.627 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57



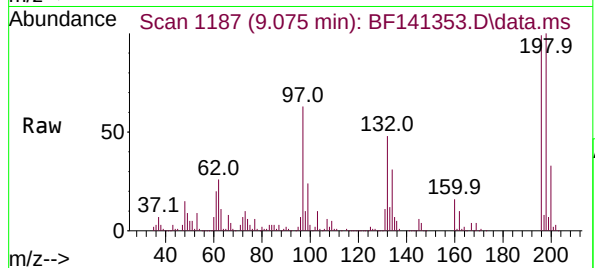
Tgt Ion: 330 Resp: 248253
Ion Ratio Lower Upper
330 100
332 97.1 76.1 114.1
141 36.1 28.8 43.2





#43
2,4,6-Trichlorophenol
Concen: 42.606 ng
RT: 9.075 min Scan# 1186
Delta R.T. -0.000 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

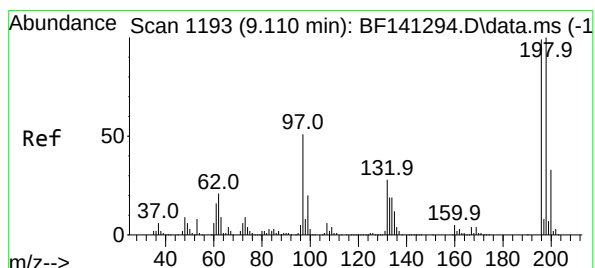
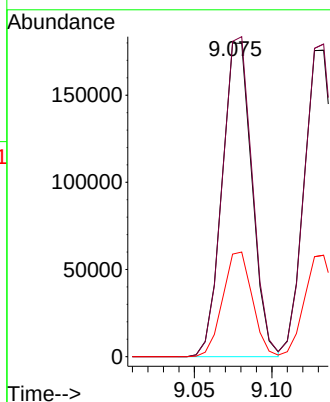
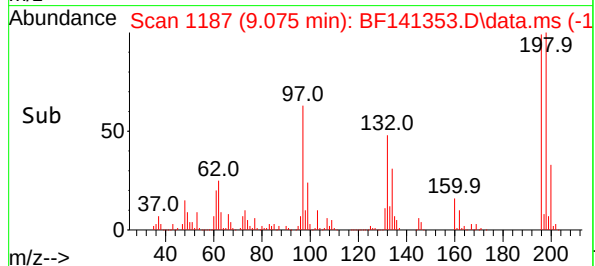
Instrument :
BNA_F
ClientSampleId :
B-113-SB02MSD



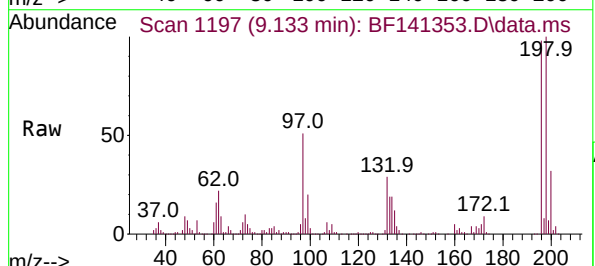
Tgt Ion:196 Resp: 24175
Ion Ratio Lower Upper
196 100
198 100.6 81.8 122.6
200 32.7 26.3 39.5

Manual Integrations
APPROVED

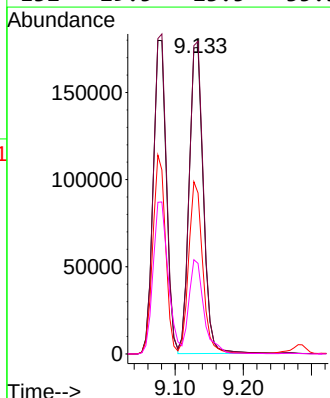
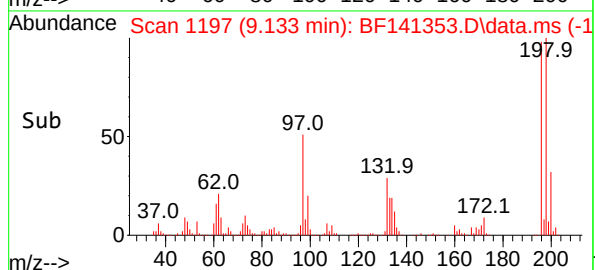
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

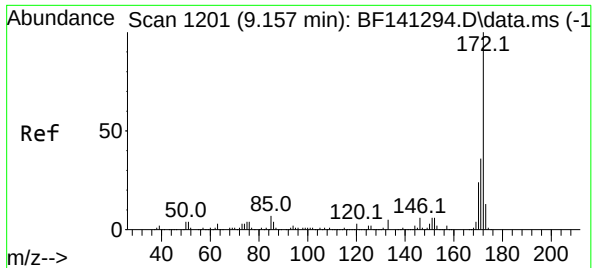


#44
2,4,5-Trichlorophenol
Concen: 40.992 ng
RT: 9.133 min Scan# 1197
Delta R.T. 0.017 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57



Tgt Ion:196 Resp: 253156
Ion Ratio Lower Upper
196 100
198 102.0 80.5 120.7
97 52.5 42.8 64.2
132 29.5 23.5 35.3





#45

2-Fluorobiphenyl

Concen: 60.924 ng

RT: 9.157 min Scan# 1201

Delta R.T. -0.006 min

Lab File: BF141353.D

Acq: 01 Feb 2025 00:57

Instrument :

BNA_F

ClientSampleId :

B-113-SB02MSD

Tgt Ion:172 Resp: 120616

Ion Ratio Lower Upper

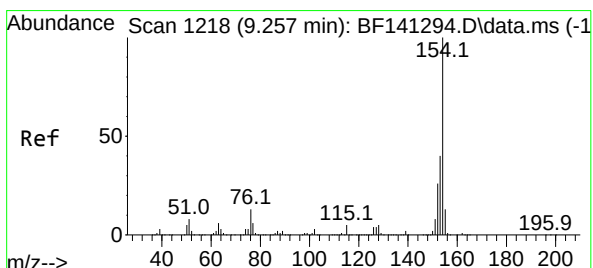
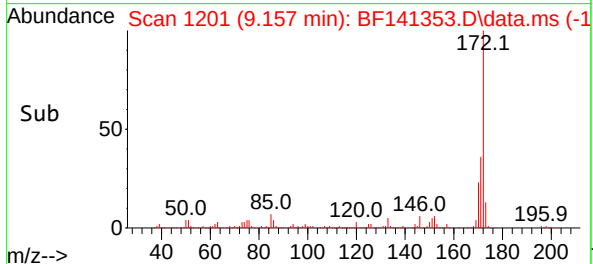
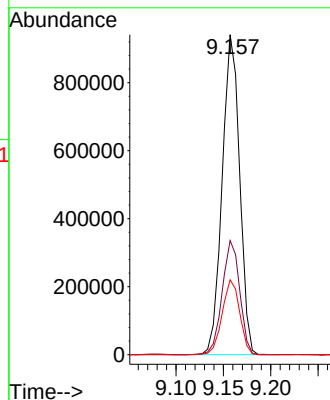
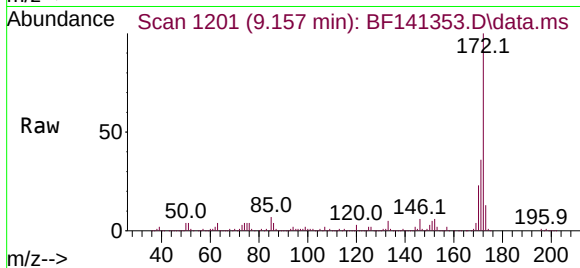
172 100

171 35.7 28.8 43.2

170 23.4 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#46

1,1'-Biphenyl

Concen: 41.329 ng

RT: 9.263 min Scan# 1219

Delta R.T. -0.000 min

Lab File: BF141353.D

Acq: 01 Feb 2025 00:57

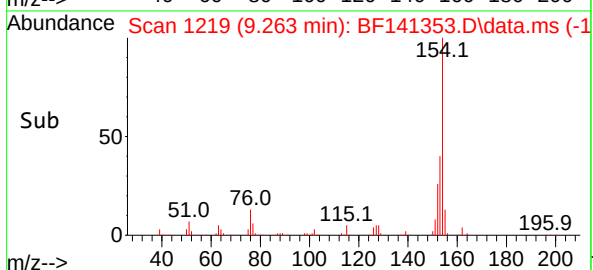
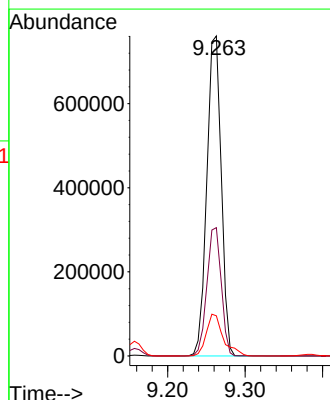
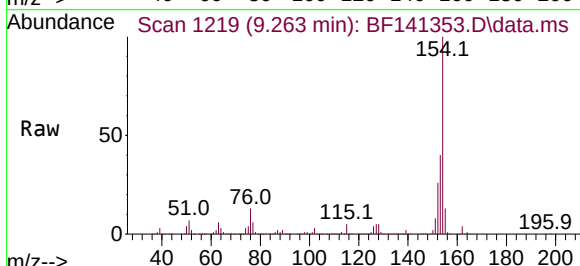
Tgt Ion:154 Resp: 982186

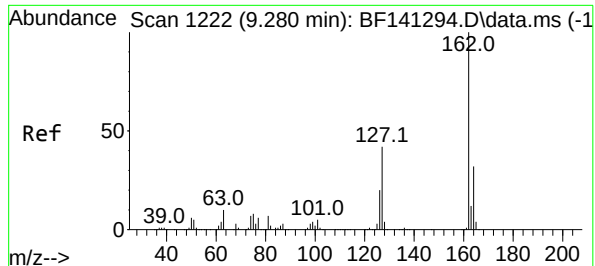
Ion Ratio Lower Upper

154 100

153 40.1 20.0 60.0

76 12.5 0.0 32.8





#47

2-Chloronaphthalene

Concen: 39.379 ng

RT: 9.286 min Scan# 1222

Delta R.T. -0.000 min

Lab File: BF141353.D

Acq: 01 Feb 2025 00:57

Instrument :

BNA_F

ClientSampleId :

B-113-SB02MSD

Tgt Ion:162 Resp: 729439

Ion Ratio Lower Upper

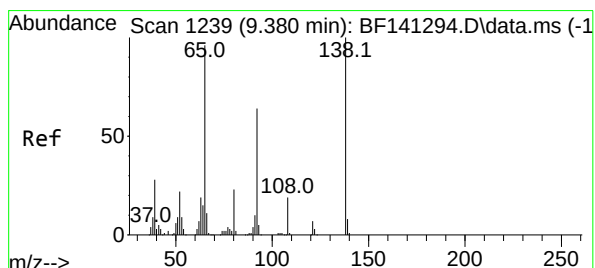
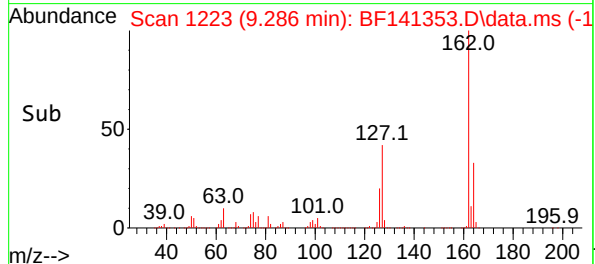
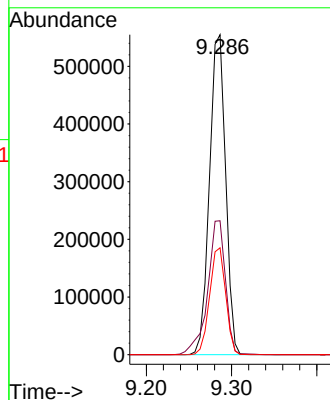
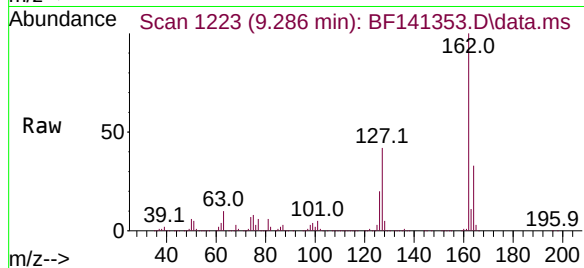
162 100

127 41.9 33.7 50.5

164 33.4 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#48

2-Nitroaniline

Concen: 42.870 ng

RT: 9.380 min Scan# 1239

Delta R.T. -0.000 min

Lab File: BF141353.D

Acq: 01 Feb 2025 00:57

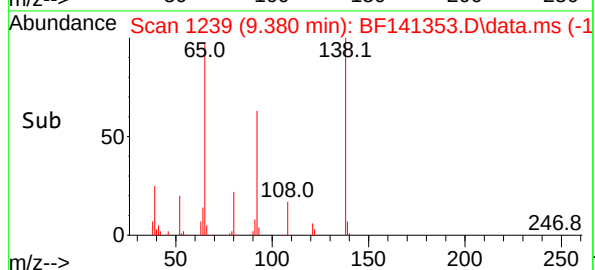
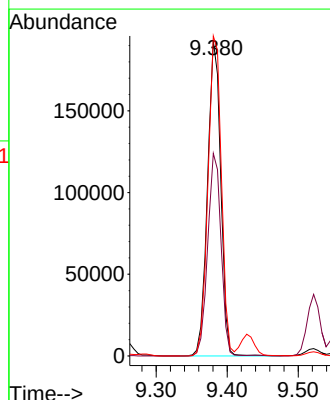
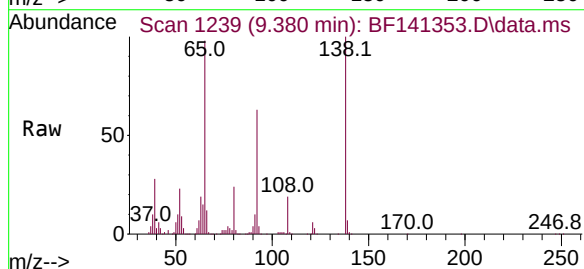
Tgt Ion: 65 Resp: 249777

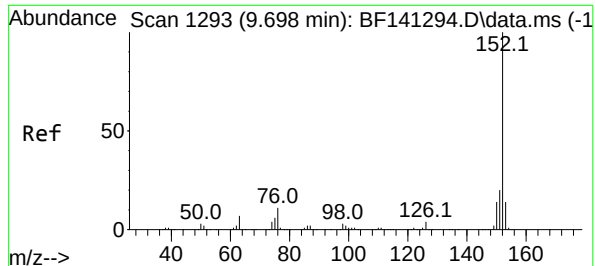
Ion Ratio Lower Upper

65 100

92 64.3 53.3 79.9

138 101.6 83.6 125.4





#49

Acenaphthylene

Concen: 42.820 ng

RT: 9.698 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141353.D

Acq: 01 Feb 2025 00:57

Instrument :

BNA_F

ClientSampleId :

B-113-SB02MSD

Tgt Ion:152 Resp: 111029

Ion Ratio Lower Upper

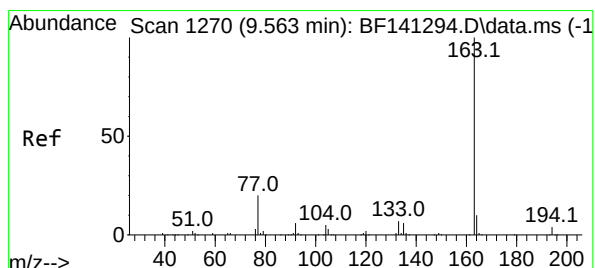
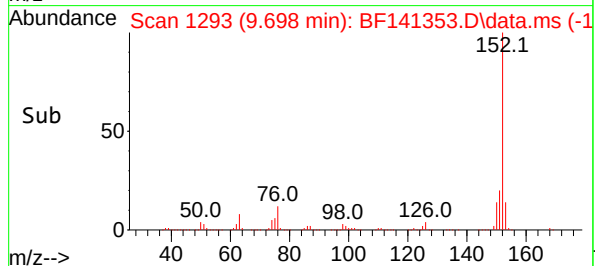
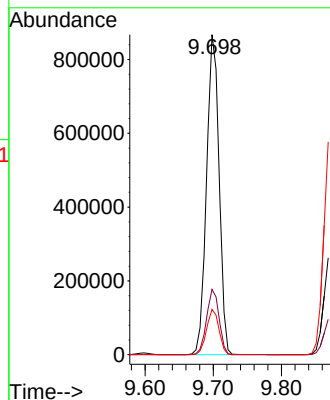
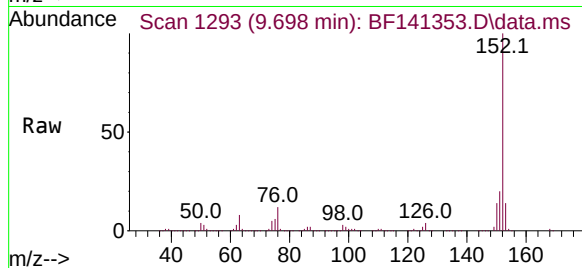
152 100

151 20.4 16.2 24.2

153 14.1 11.0 16.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#50

Dimethylphthalate

Concen: 43.224 ng

RT: 9.563 min Scan# 1270

Delta R.T. -0.006 min

Lab File: BF141353.D

Acq: 01 Feb 2025 00:57

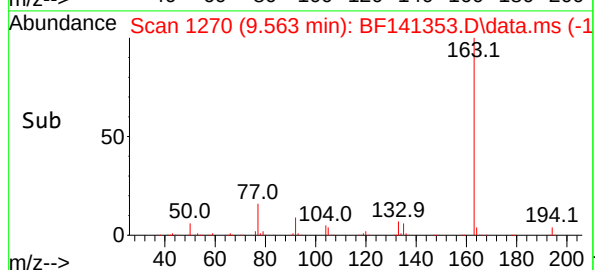
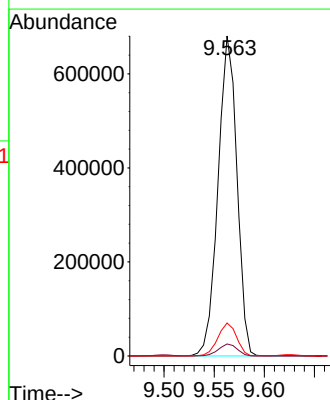
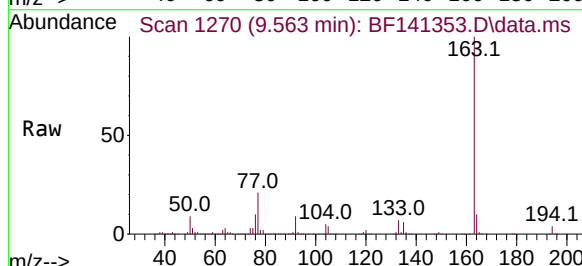
Tgt Ion:163 Resp: 889602

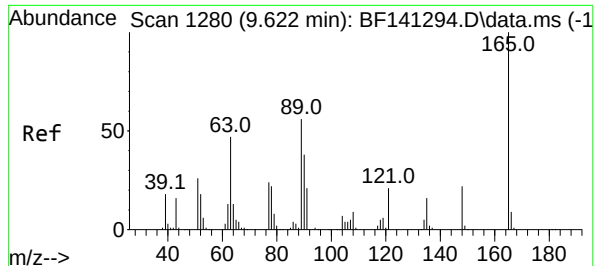
Ion Ratio Lower Upper

163 100

194 3.7 3.0 4.6

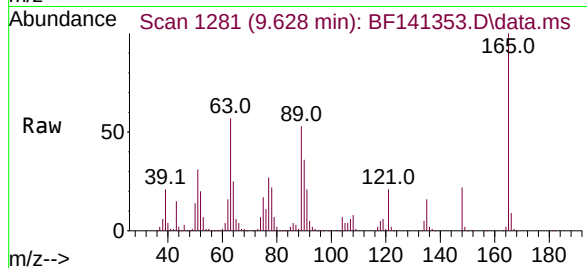
164 10.3 8.0 12.0





#51
2,6-Dinitrotoluene
Concen: 40.489 ng
RT: 9.628 min Scan# 1280
Delta R.T. -0.000 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

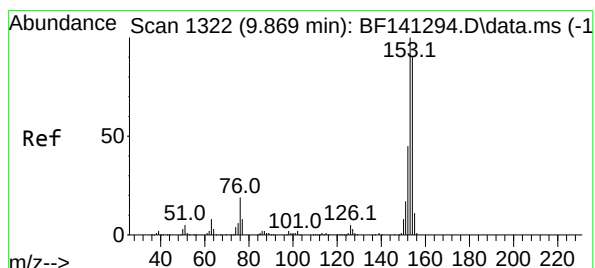
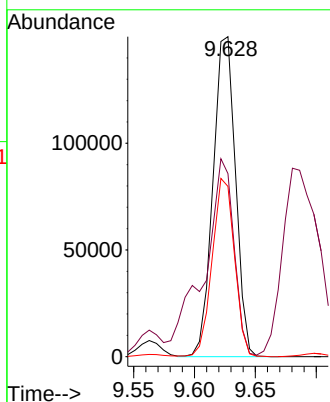
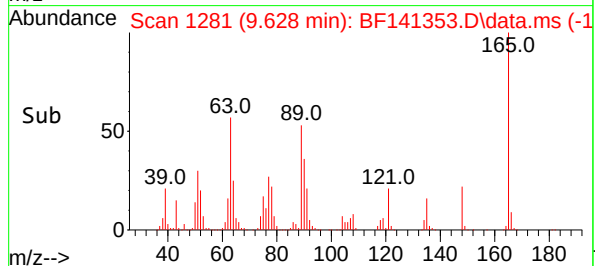
Instrument :
BNA_F
ClientSampleId :
B-113-SB02MSD



Tgt Ion:165 Resp: 193485
Ion Ratio Lower Upper
165 100
63 57.2 48.1 72.1
89 53.2 44.9 67.3

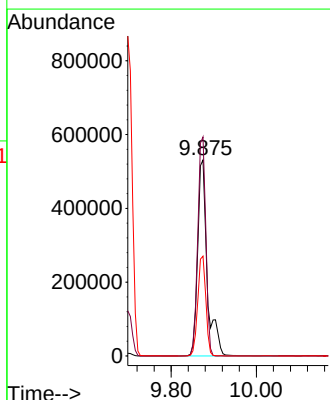
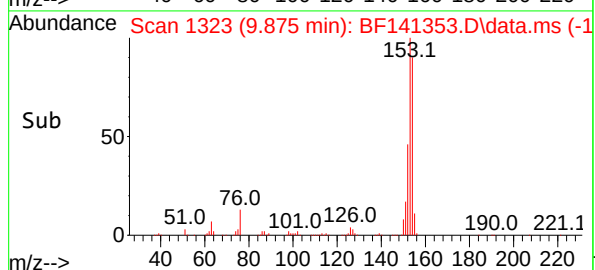
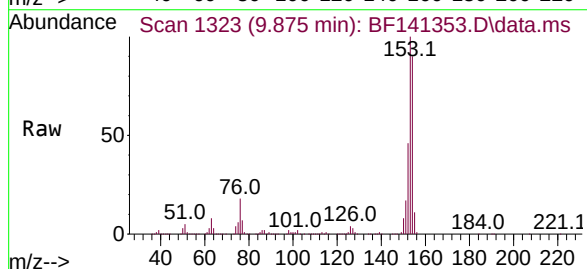
Manual Integrations
APPROVED

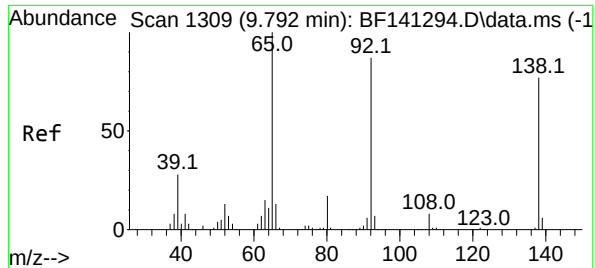
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#52
Acenaphthene
Concen: 45.077 ng
RT: 9.875 min Scan# 1323
Delta R.T. -0.000 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Tgt Ion:154 Resp: 835010
Ion Ratio Lower Upper
154 100
153 111.7 89.0 133.4
152 50.9 40.2 60.4





#53

3-Nitroaniline

Concen: 27.606 ng

RT: 9.792 min Scan# 1309

Delta R.T. -0.006 min

Lab File: BF141353.D

Acq: 01 Feb 2025 00:57

Instrument :

BNA_F

ClientSampleId :

B-113-SB02MSD

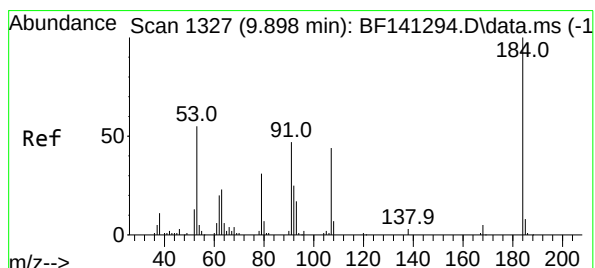
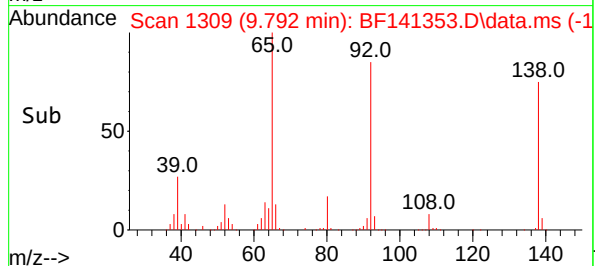
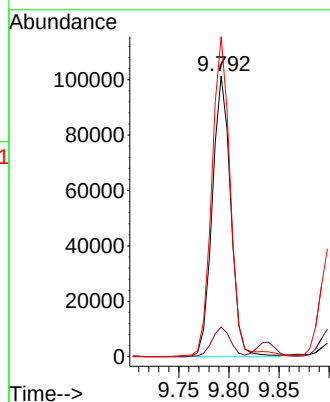
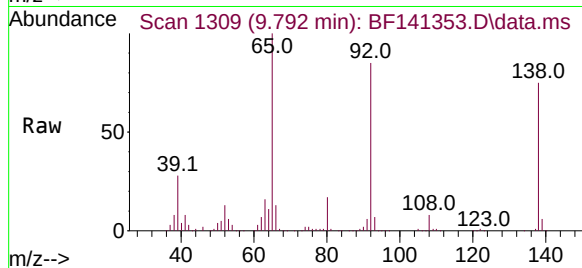
Tgt Ion:138 Resp: 12929

Ion	Ratio	Lower	Upper
138	100		
108	10.5	8.6	12.8
92	114.0	91.0	136.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
 Supervised By :mohammad ahmed 02/04/2025



#54

2,4-Dinitrophenol

Concen: 94.252 ng

RT: 9.904 min Scan# 1328

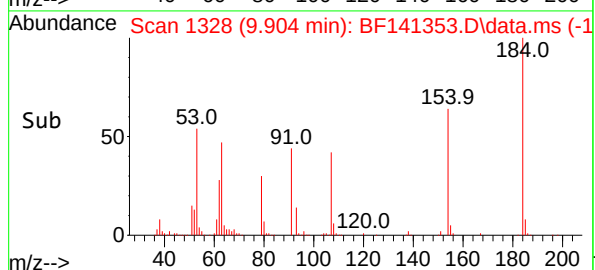
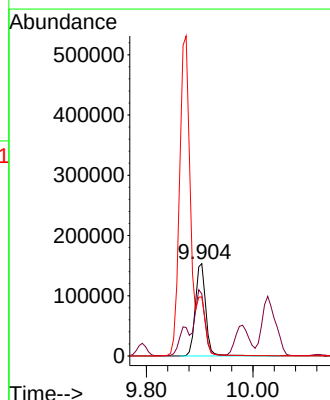
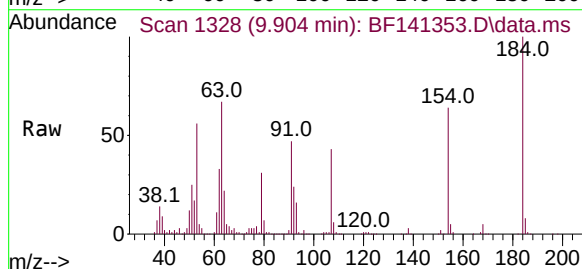
Delta R.T. 0.000 min

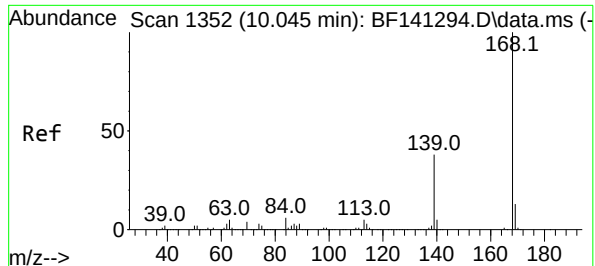
Lab File: BF141353.D

Acq: 01 Feb 2025 00:57

Tgt Ion:184 Resp: 209369

Ion	Ratio	Lower	Upper
184	100		
63	67.3	54.1	81.1
154	64.0	50.7	76.1





#55

Dibenzenofuran

Concen: 40.184 ng

RT: 10.045 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF141353.D

Acq: 01 Feb 2025 00:57

Instrument :

BNA_F

ClientSampleId :

B-113-SB02MSD

Tgt Ion:168 Resp: 996364

Ion Ratio Lower Upper

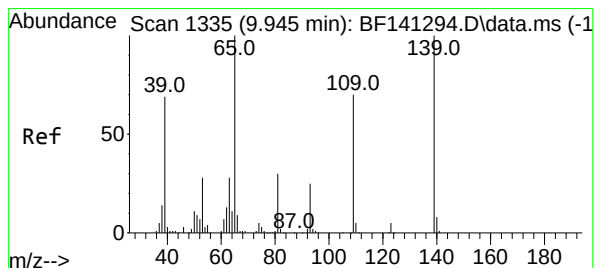
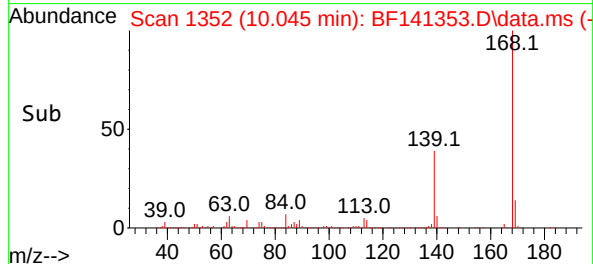
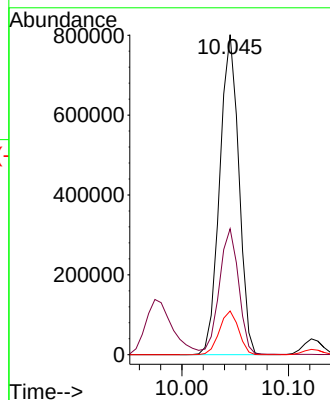
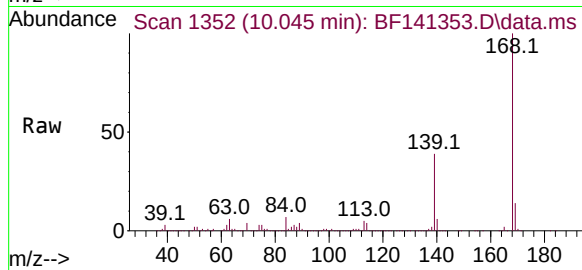
168 100

139 39.4 30.6 46.0

169 13.6 10.8 16.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#56

4-Nitrophenol

Concen: 70.629 ng

RT: 9.975 min Scan# 1340

Delta R.T. 0.018 min

Lab File: BF141353.D

Acq: 01 Feb 2025 00:57

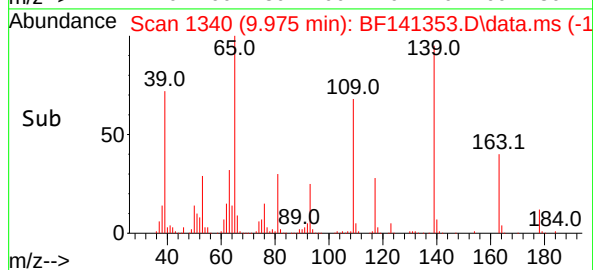
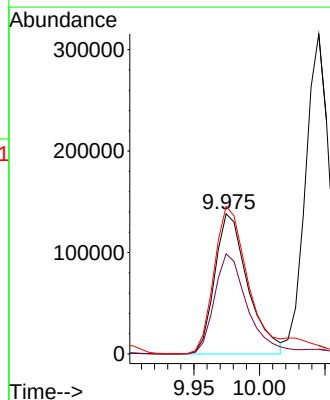
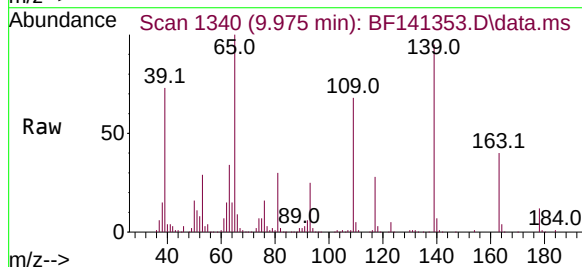
Tgt Ion:139 Resp: 241925

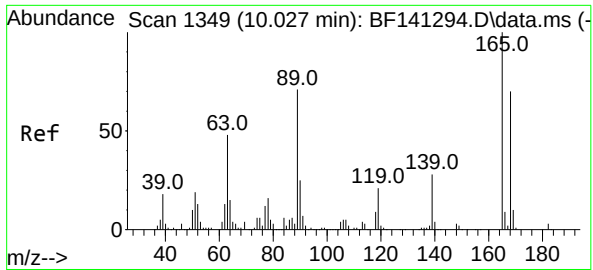
Ion Ratio Lower Upper

139 100

109 71.4 50.2 90.2

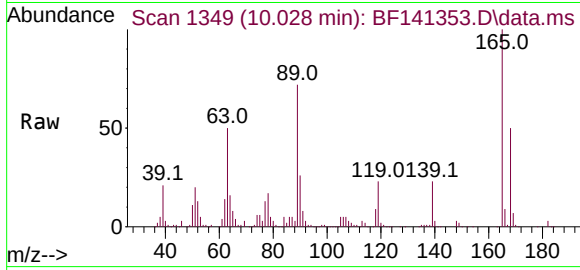
65 105.2 80.6 120.6





#57
2,4-Dinitrotoluene
Concen: 40.550 ng
RT: 10.028 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

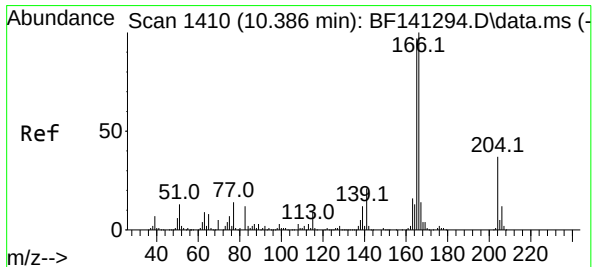
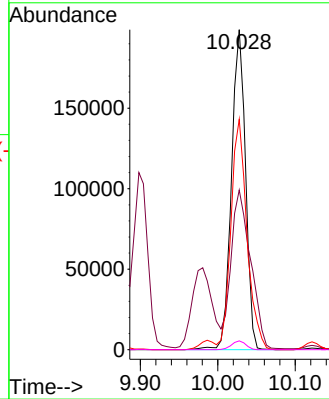
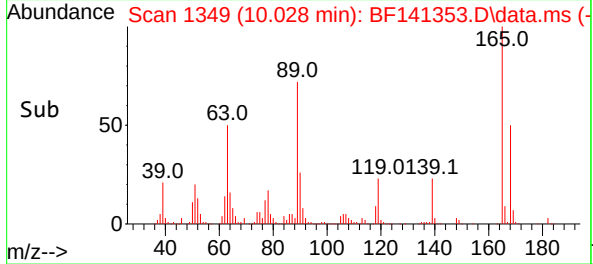
Instrument :
BNA_F
ClientSampleId :
B-113-SB02MSD



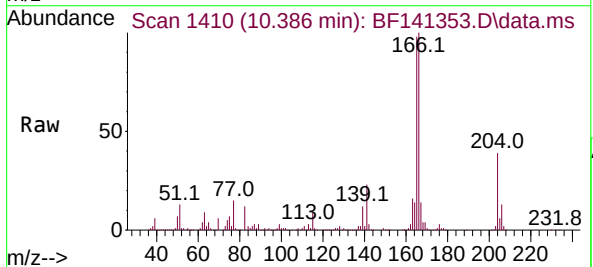
Tgt Ion:165 Resp: 250880
Ion Ratio Lower Upper
165 100
63 49.9 39.2 58.8
89 72.0 56.9 85.3
182 2.8 2.2 3.2

Manual Integrations
APPROVED

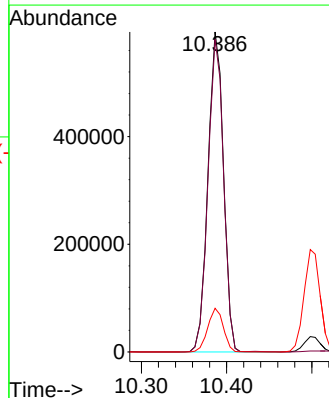
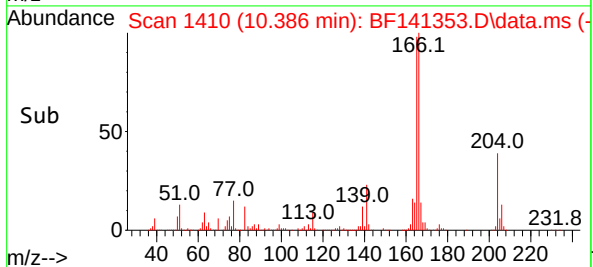
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

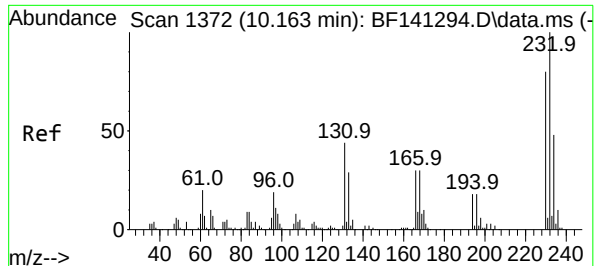


#58
Fluorene
Concen: 39.206 ng
RT: 10.386 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57



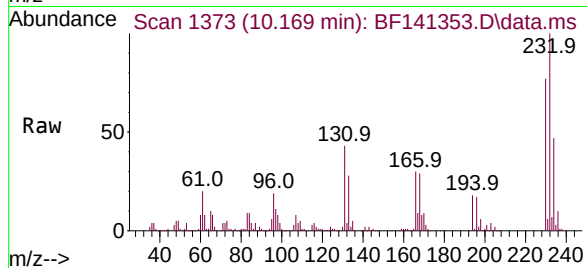
Tgt Ion:166 Resp: 754067
Ion Ratio Lower Upper
166 100
165 97.7 77.5 116.3
167 13.7 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 42.763 ng
RT: 10.169 min Scan# 1372
Delta R.T. 0.006 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

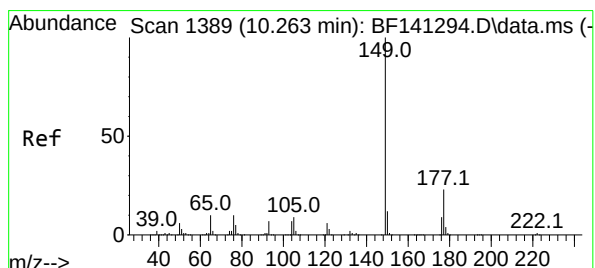
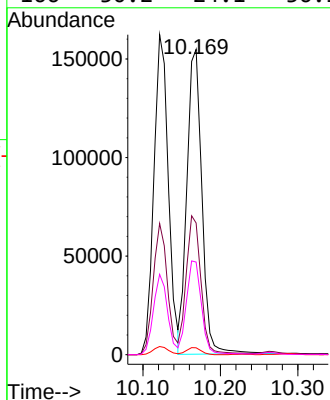
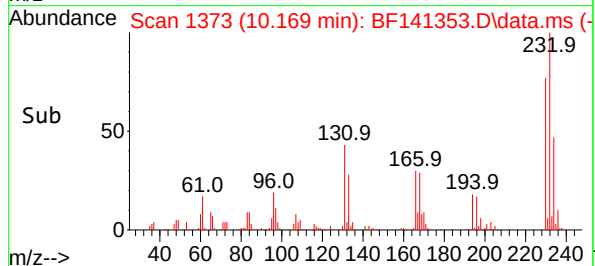
Instrument :
BNA_F
ClientSampleId :
B-113-SB02MSD



Tgt Ion:232 Resp: 20776
Ion Ratio Lower Upper
232 100
131 45.1 36.4 54.6
130 2.3 1.9 2.9
166 30.2 24.1 36.1

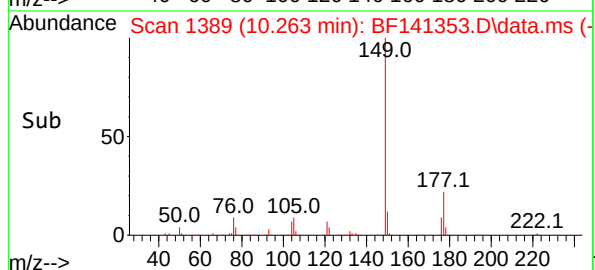
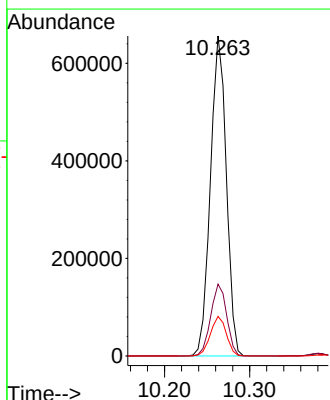
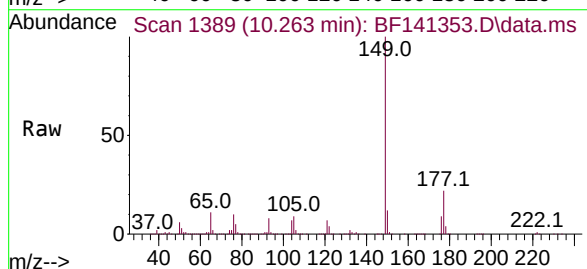
Manual Integrations
APPROVED

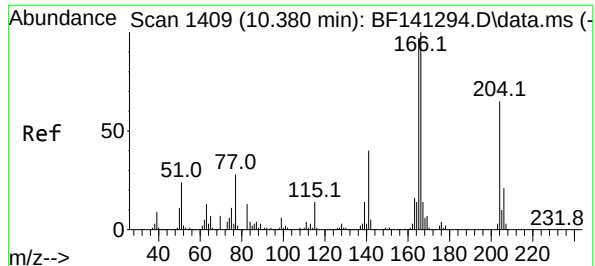
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#60
Diethylphthalate
Concen: 42.784 ng
RT: 10.263 min Scan# 1389
Delta R.T. -0.006 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

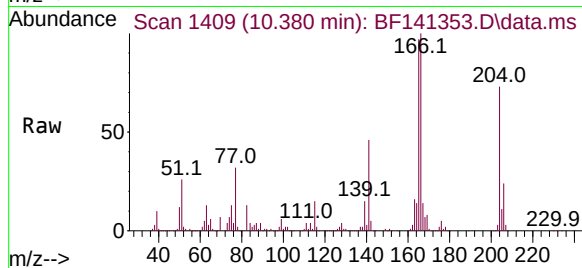
Tgt Ion:149 Resp: 853771
Ion Ratio Lower Upper
149 100
177 22.5 18.5 27.7
150 12.3 10.0 15.0





#61
4-Chlorophenyl-phenylether
Concen: 39.666 ng
RT: 10.380 min Scan# 1409
Delta R.T. -0.000 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

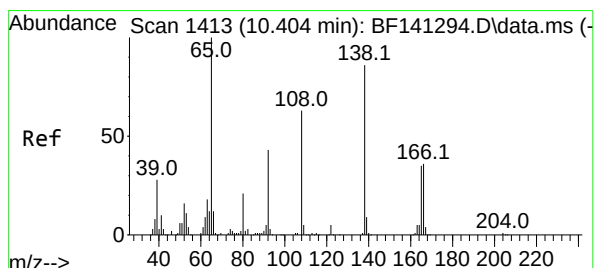
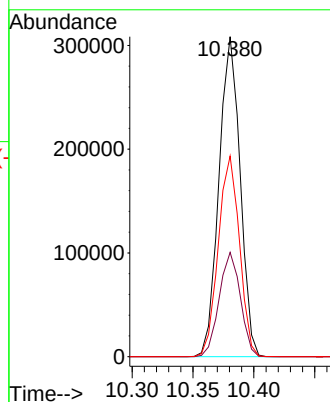
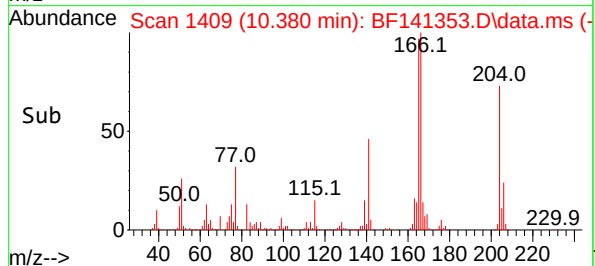
Instrument :
BNA_F
ClientSampleId :
B-113-SB02MSD



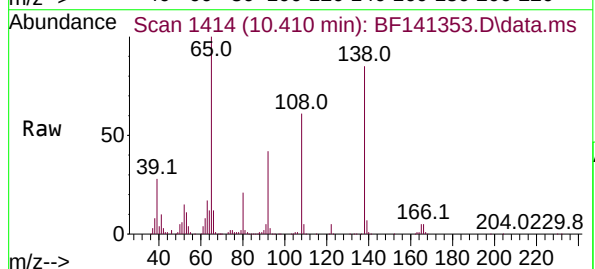
Tgt Ion:204 Resp: 372650
Ion Ratio Lower Upper
204 100
206 32.6 25.9 38.9
141 62.7 49.5 74.3

Manual Integrations
APPROVED

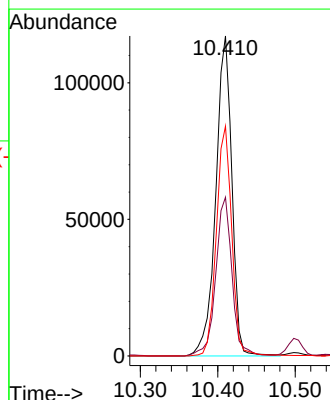
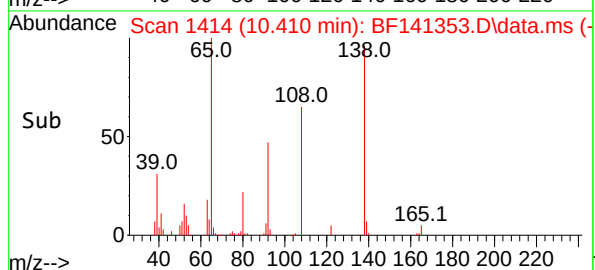
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

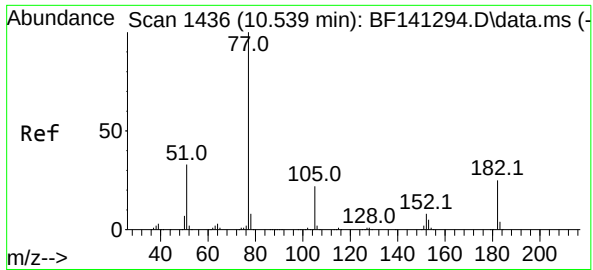


#62
4-Nitroaniline
Concen: 36.838 ng
RT: 10.410 min Scan# 1414
Delta R.T. -0.006 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57



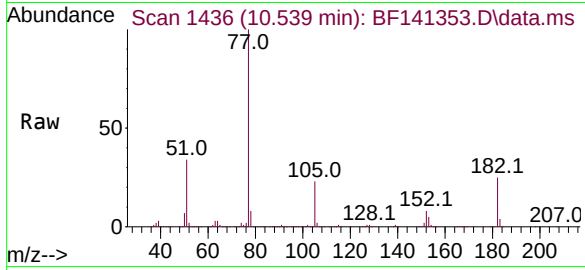
Tgt Ion:138 Resp: 169626
Ion Ratio Lower Upper
138 100
92 49.6 30.1 70.1
108 71.8 53.1 93.1





#63
Azobenzene
Concen: 43.142 ng
RT: 10.539 min Scan# 1436
Delta R.T. -0.006 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

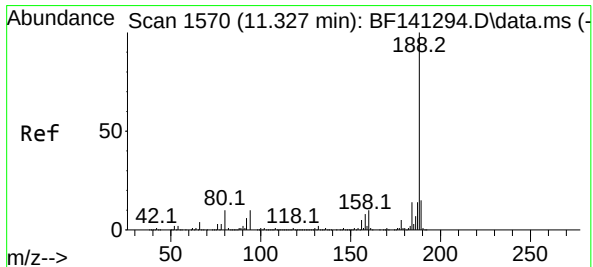
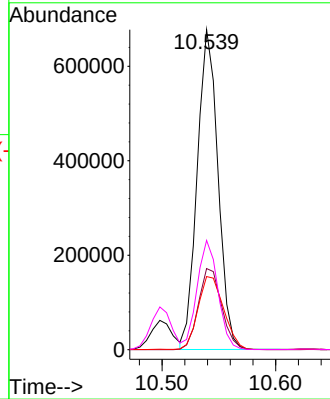
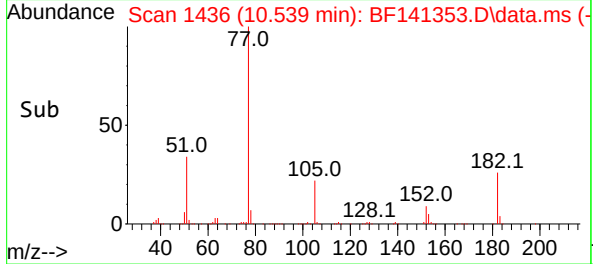
Instrument :
BNA_F
ClientSampleId :
B-113-SB02MSD



Tgt Ion: 77 Resp: 861760
Ion Ratio Lower Upper
77 100
182 25.4 5.1 45.1
105 22.9 1.8 41.8
51 34.2 14.0 54.0

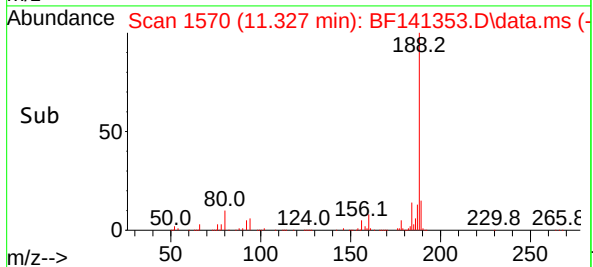
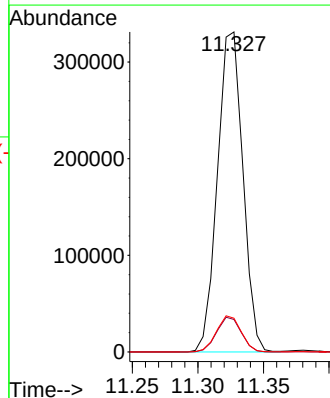
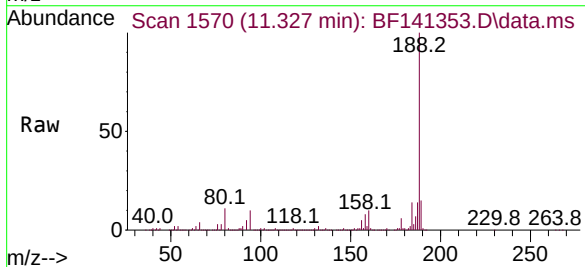
Manual Integrations
APPROVED

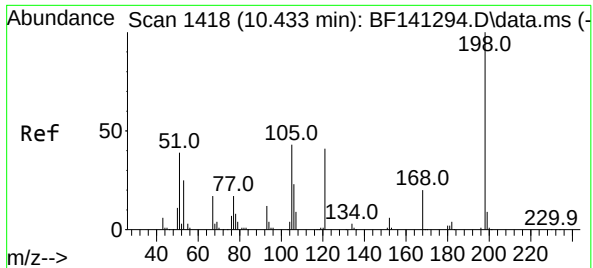
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 1570
Delta R.T. -0.000 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Tgt Ion:188 Resp: 446574
Ion Ratio Lower Upper
188 100
94 10.2 7.8 11.6
80 10.6 8.2 12.4





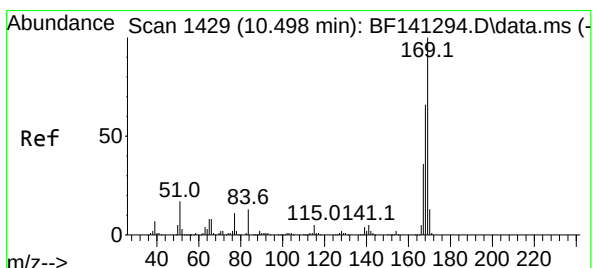
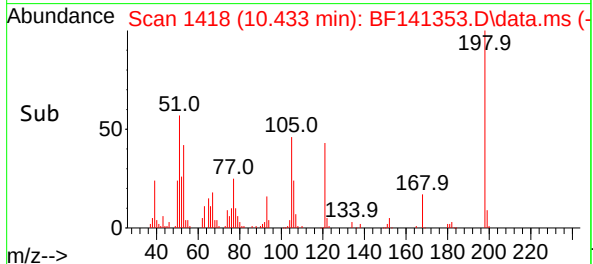
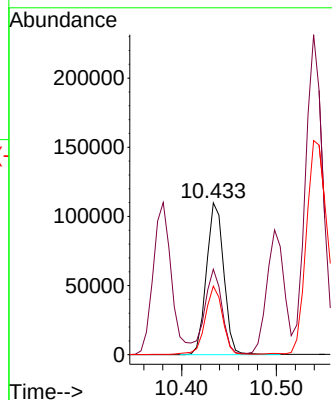
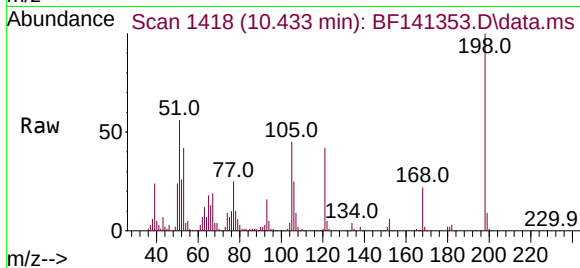
#65
4,6-Dinitro-2-methylphenol
Concen: 52.606 ng
RT: 10.433 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Instrument :
BNA_F
ClientSampleId :
B-113-SB02MSD

Tgt Ion:198 Resp: 138958
Ion Ratio Lower Upper
198 100
51 56.3 33.4 73.4
105 45.1 24.4 64.4

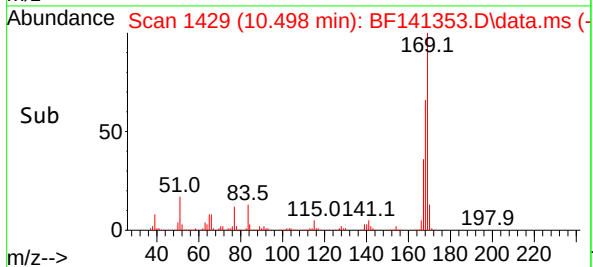
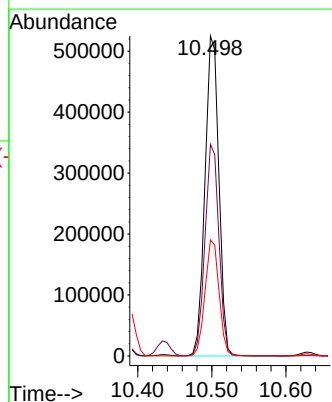
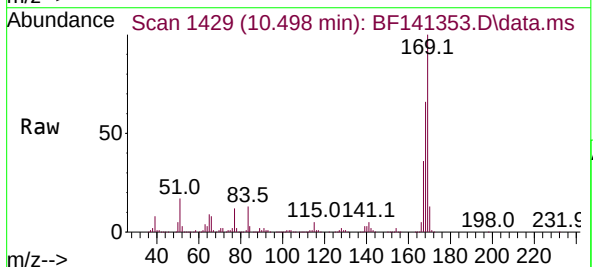
Manual Integrations
APPROVED

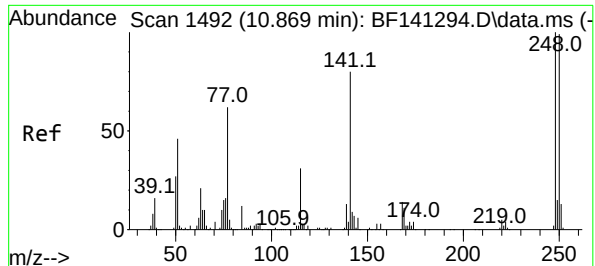
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#66
n-Nitrosodiphenylamine
Concen: 47.270 ng
RT: 10.498 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

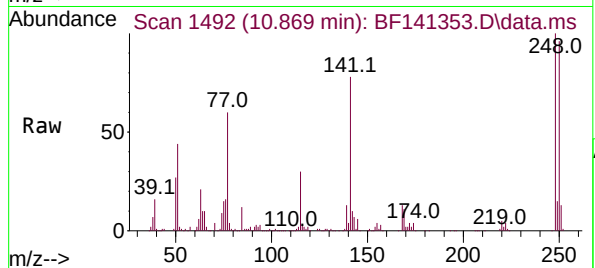
Tgt Ion:169 Resp: 682753
Ion Ratio Lower Upper
169 100
168 66.2 53.0 79.4
167 36.3 28.8 43.2





#67
4-Bromophenyl-phenylether
Concen: 46.363 ng
RT: 10.869 min Scan# 1492
Delta R.T. -0.006 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

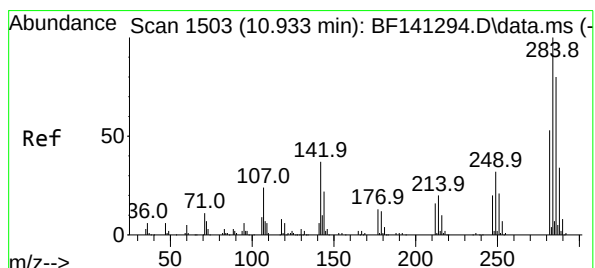
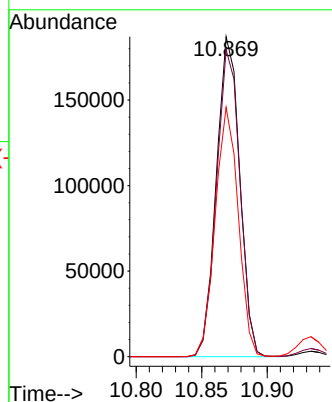
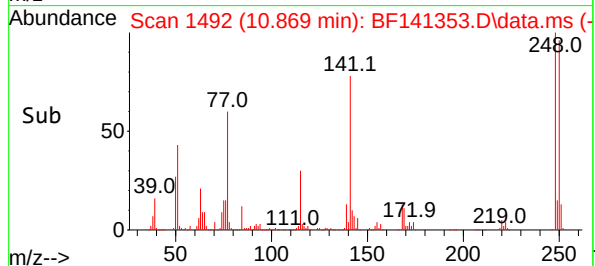
Instrument :
BNA_F
ClientSampleId :
B-113-SB02MSD



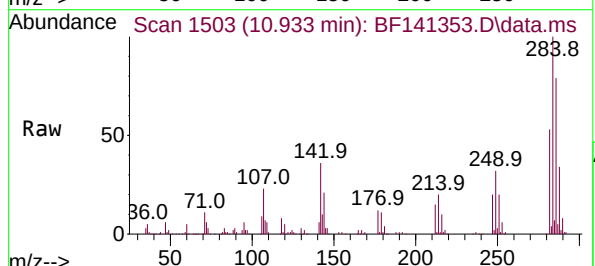
Tgt Ion:248 Resp: 231798
Ion Ratio Lower Upper
248 100
250 95.9 79.0 118.4
141 77.9 63.7 95.5

Manual Integrations
APPROVED

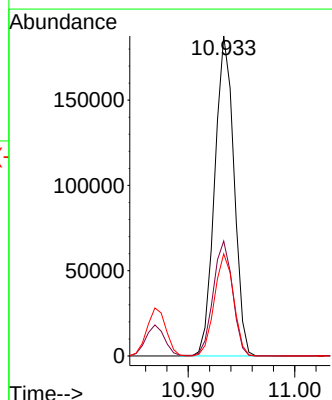
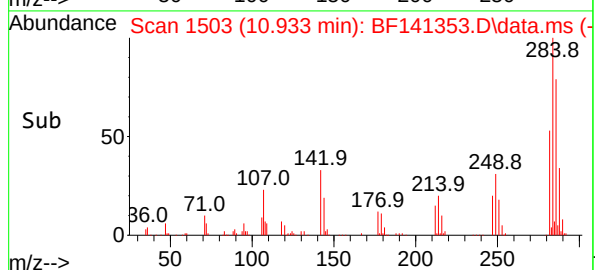
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

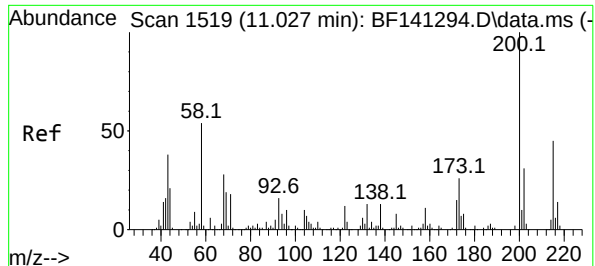


#68
Hexachlorobenzene
Concen: 44.277 ng
RT: 10.933 min Scan# 1503
Delta R.T. -0.006 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57



Tgt Ion:284 Resp: 234812
Ion Ratio Lower Upper
284 100
142 35.9 29.5 44.3
249 31.9 25.4 38.2





#69

Atrazine

Concen: 44.986 ng

RT: 11.027 min Scan# 1519

Delta R.T. -0.006 min

Lab File: BF141353.D

Acq: 01 Feb 2025 00:57

Instrument :

BNA_F

ClientSampleId :

B-113-SB02MSD

Tgt Ion:200 Resp: 21725

Ion Ratio Lower Upper

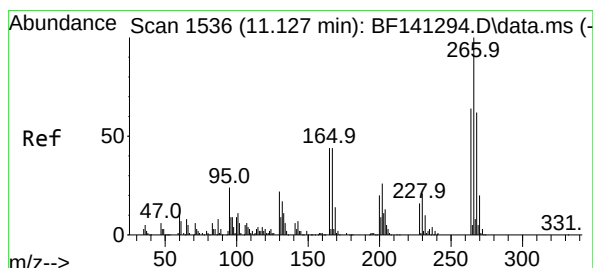
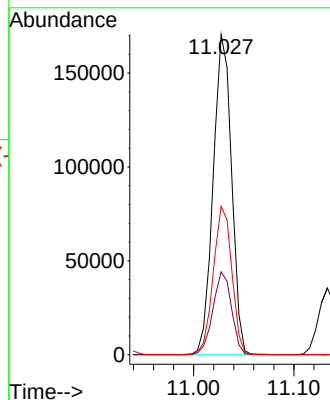
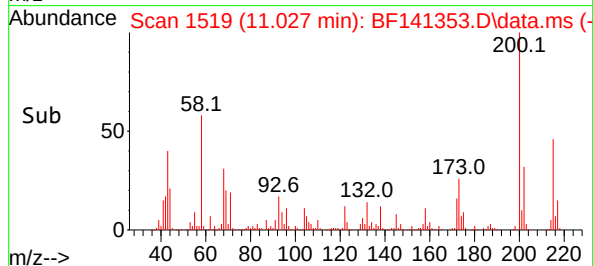
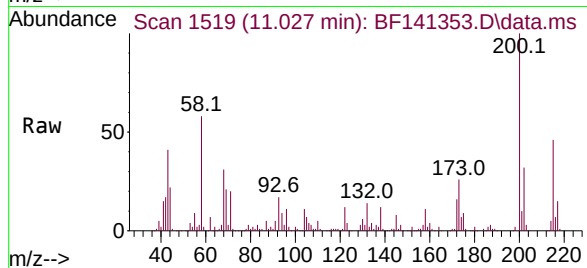
200 100

173 25.9 5.9 45.9

215 46.4 25.2 65.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#70

Pentachlorophenol

Concen: 79.539 ng

RT: 11.133 min Scan# 1537

Delta R.T. -0.000 min

Lab File: BF141353.D

Acq: 01 Feb 2025 00:57

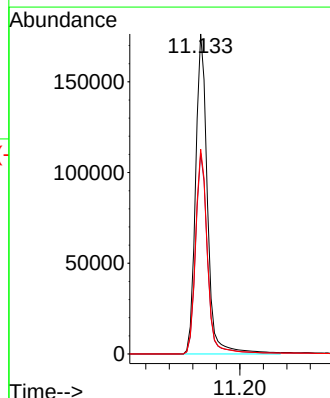
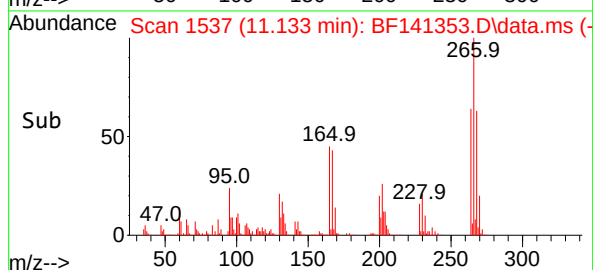
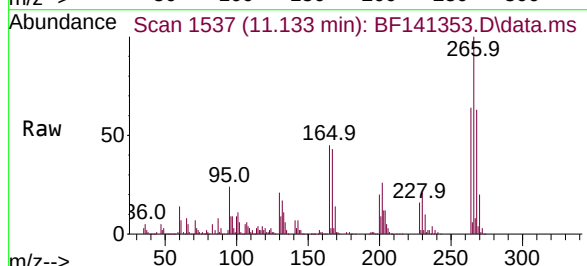
Tgt Ion:266 Resp: 247008

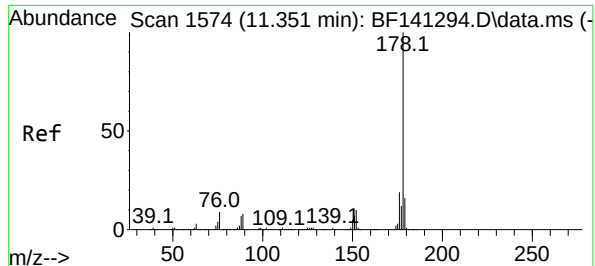
Ion Ratio Lower Upper

266 100

268 62.7 49.9 74.9

264 64.0 51.0 76.4





#71

Phenanthrene

Concen: 42.680 ng

RT: 11.351 min Scan# 1574

Delta R.T. -0.000 min

Lab File: BF141353.D

Acq: 01 Feb 2025 00:57

Instrument :

BNA_F

ClientSampleId :

B-113-SB02MSD

Tgt Ion:178 Resp: 102454

Ion Ratio Lower Upper

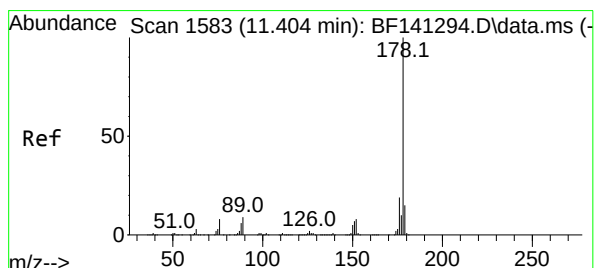
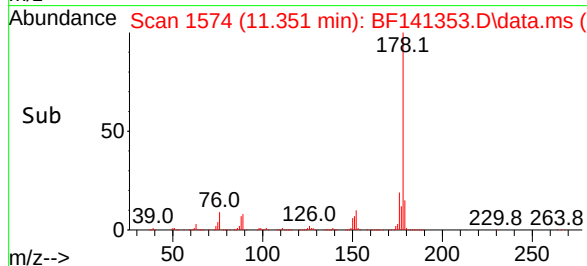
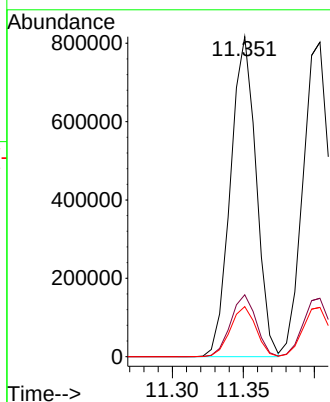
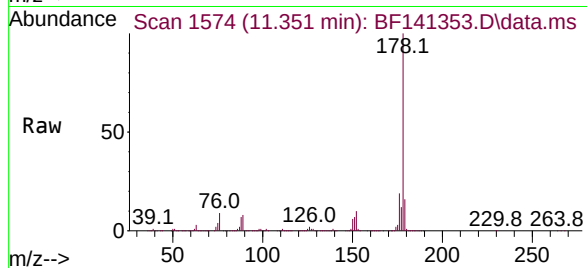
178 100

176 19.3 15.3 22.9

179 15.6 12.5 18.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#72

Anthracene

Concen: 44.505 ng

RT: 11.404 min Scan# 1583

Delta R.T. -0.000 min

Lab File: BF141353.D

Acq: 01 Feb 2025 00:57

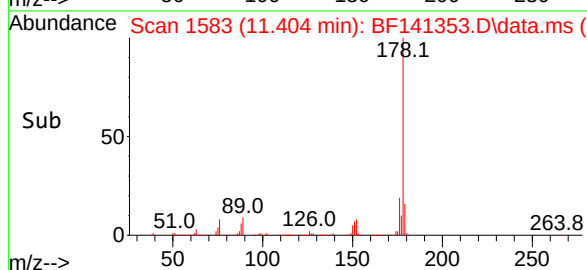
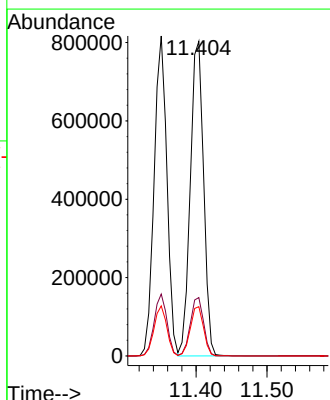
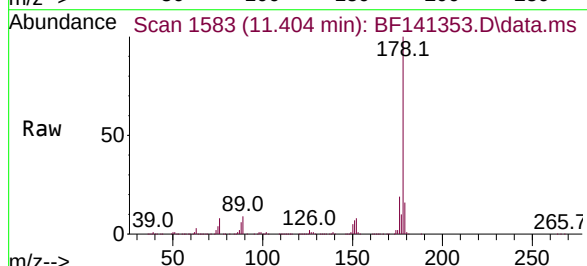
Tgt Ion:178 Resp: 1046790

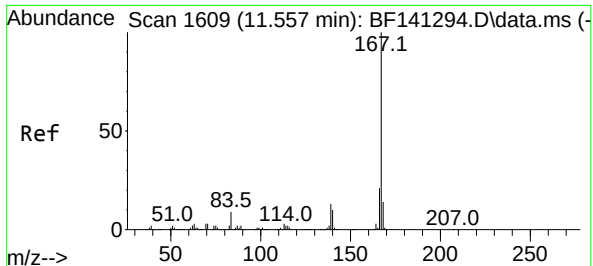
Ion Ratio Lower Upper

178 100

176 18.6 15.0 22.6

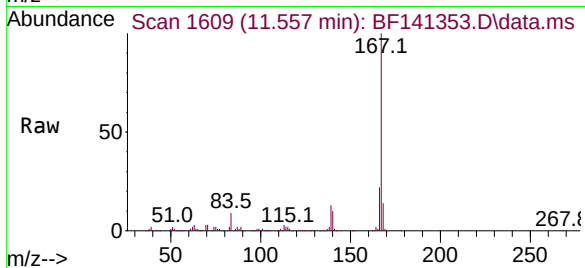
179 15.7 12.3 18.5





#73
 Carbazole
 Concen: 39.496 ng
 RT: 11.557 min Scan# 1609
 Delta R.T. -0.000 min
 Lab File: BF141353.D
 Acq: 01 Feb 2025 00:57

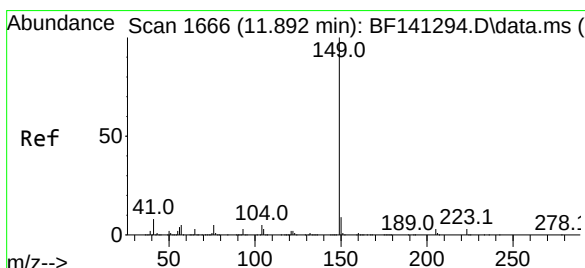
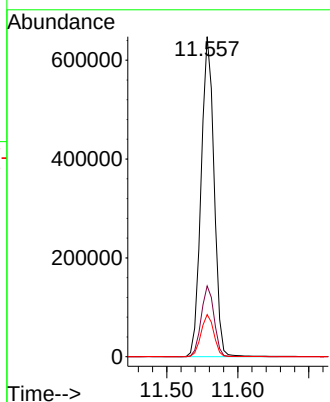
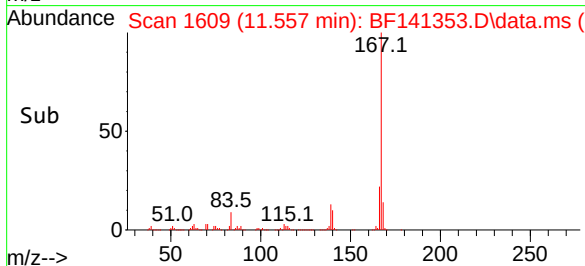
Instrument :
 BNA_F
 ClientSampleId :
 B-113-SB02MSD



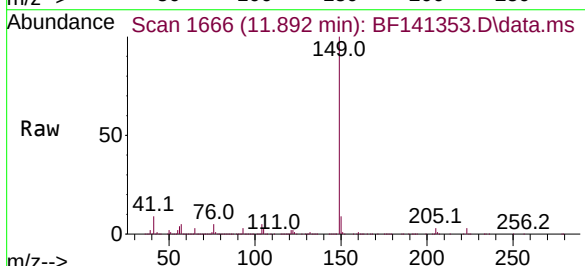
Tgt Ion:167 Resp: 82375
 Ion Ratio Lower Upper
 167 100
 166 22.1 17.0 25.6
 139 13.2 10.6 16.0

Manual Integrations
 APPROVED

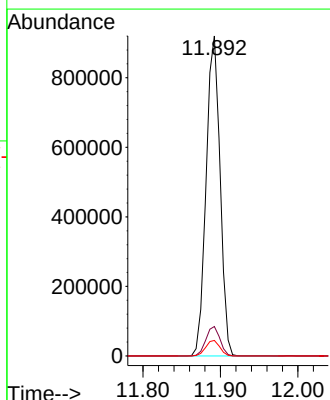
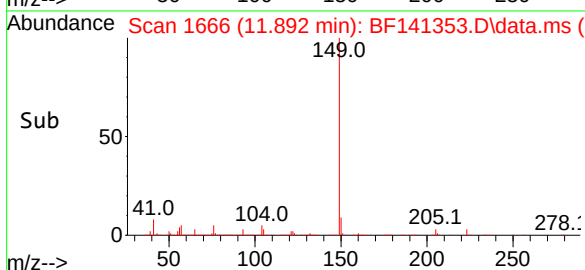
Reviewed By :Jagrut Upadhyay 02/03/2025
 Supervised By :mohammad ahmed 02/04/2025

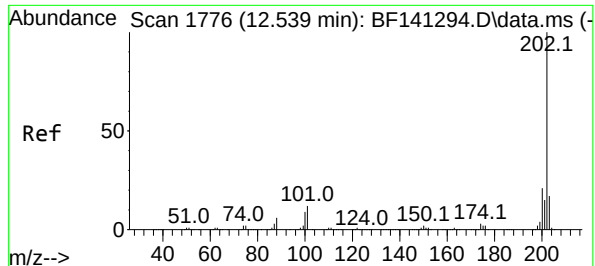


#74
 Di-n-butylphthalate
 Concen: 45.394 ng
 RT: 11.892 min Scan# 1666
 Delta R.T. 0.000 min
 Lab File: BF141353.D
 Acq: 01 Feb 2025 00:57



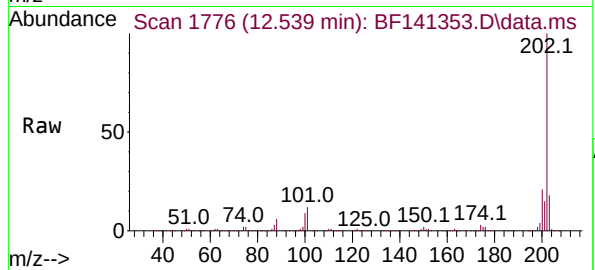
Tgt Ion:149 Resp: 1147366
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.4 11.2
 104 4.9 3.9 5.9





#75
Fluoranthene
Concen: 38.002 ng
RT: 12.539 min Scan# 1776
Delta R.T. -0.000 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

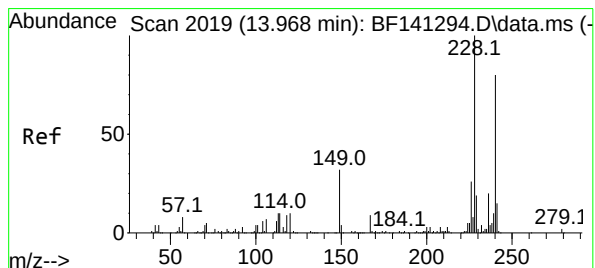
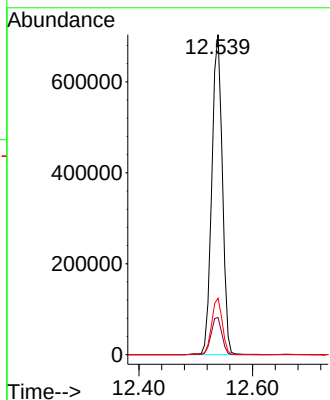
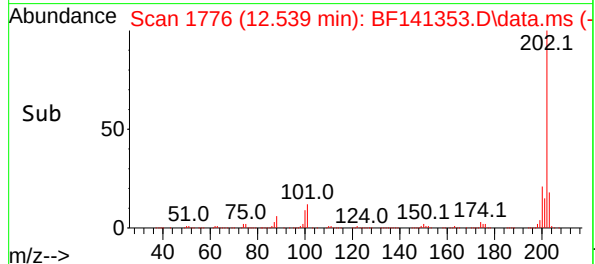
Instrument :
BNA_F
ClientSampleId :
B-113-SB02MSD



Tgt Ion:202 Resp: 900749
Ion Ratio Lower Upper
202 100
101 11.6 0.0 31.7
203 17.7 0.0 37.5

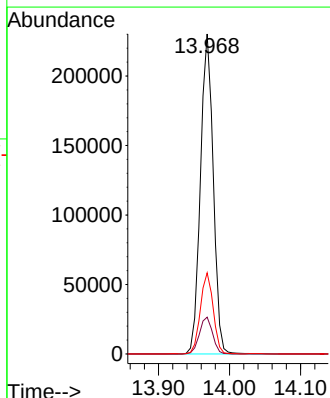
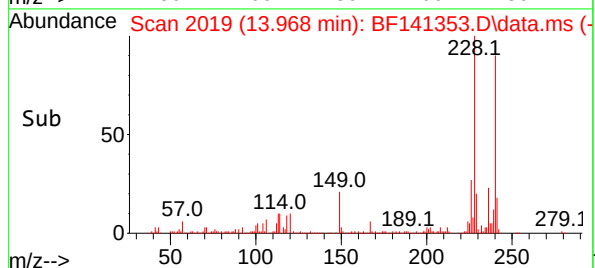
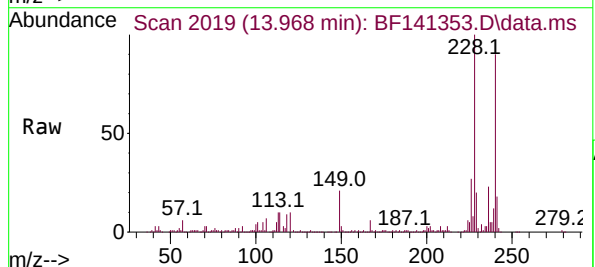
Manual Integrations
APPROVED

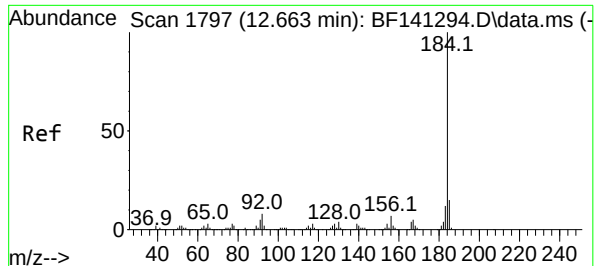
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Tgt Ion:240 Resp: 289652
Ion Ratio Lower Upper
240 100
120 11.5 10.0 15.0
236 25.3 19.7 29.5





#77

Benzidine

Concen: 22.638 ng

RT: 12.663 min Scan# 1797

Delta R.T. -0.000 min

Lab File: BF141353.D

Acq: 01 Feb 2025 00:57

Instrument :

BNA_F

ClientSampleId :

B-113-SB02MSD

Tgt Ion:184 Resp: 21021

Ion Ratio Lower Upper

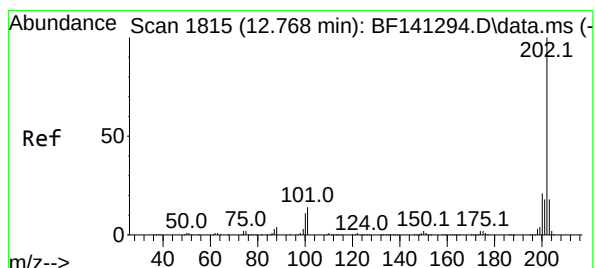
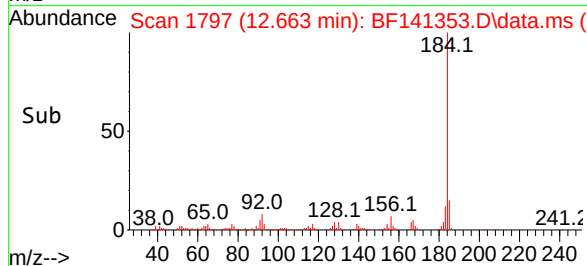
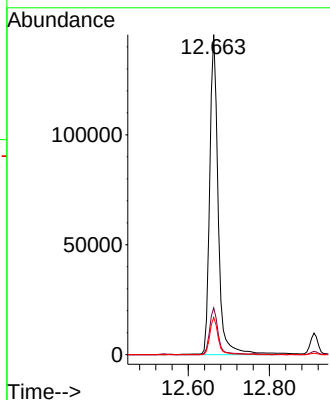
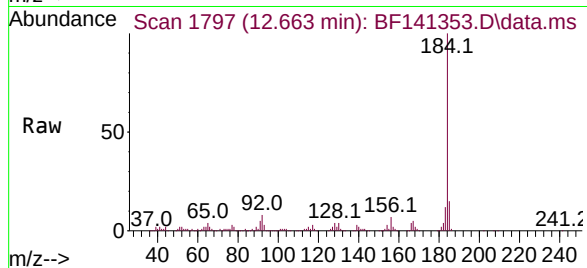
184 100

185 14.7 11.9 17.9

183 11.7 9.5 14.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#78

Pyrene

Concen: 32.979 ng

RT: 12.769 min Scan# 1815

Delta R.T. -0.000 min

Lab File: BF141353.D

Acq: 01 Feb 2025 00:57

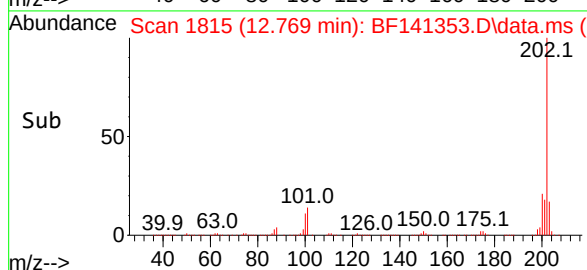
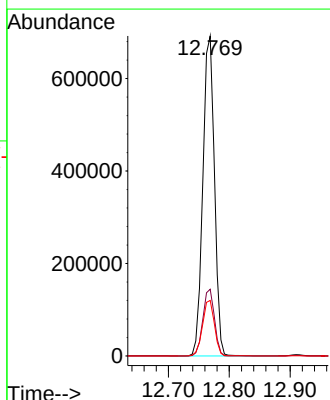
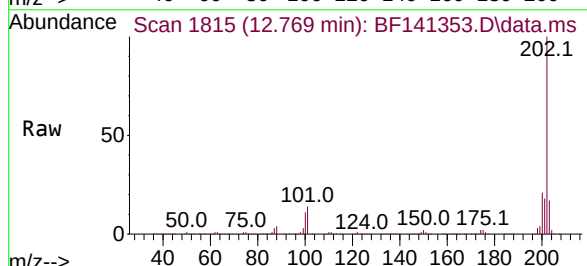
Tgt Ion:202 Resp: 916947

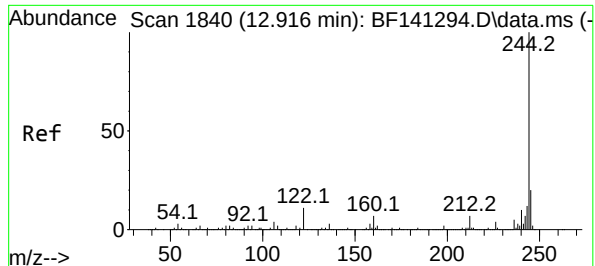
Ion Ratio Lower Upper

202 100

200 20.9 17.0 25.4

203 17.4 14.3 21.5





#79

Terphenyl-d14

Concen: 49.903 ng

RT: 12.910 min Scan# 1839

Delta R.T. -0.006 min

Lab File: BF141353.D

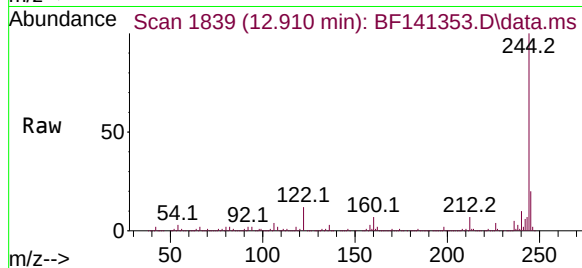
Acq: 01 Feb 2025 00:57

Instrument :

BNA_F

ClientSampleId :

B-113-SB02MSD

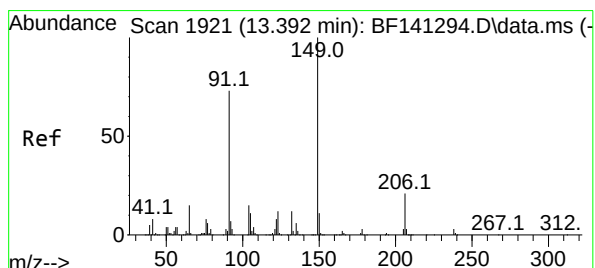
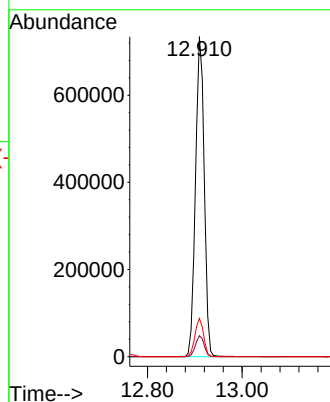
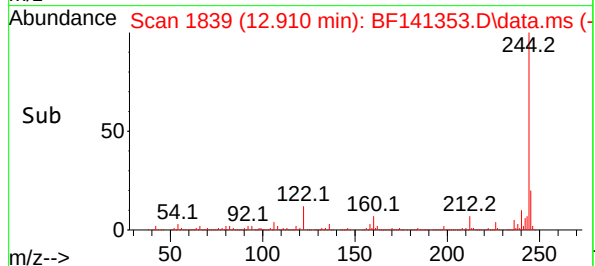


Tgt Ion:	244	Resp:	937270
Ion Ratio	100	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	12.0	8.8	13.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#80

Butylbenzylphthalate

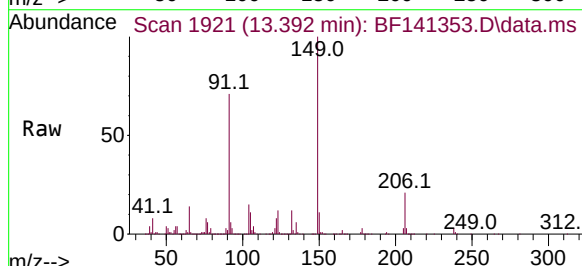
Concen: 39.554 ng

RT: 13.392 min Scan# 1921

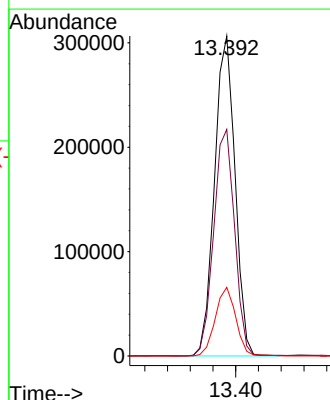
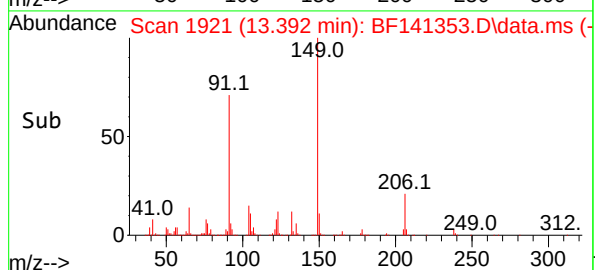
Delta R.T. -0.000 min

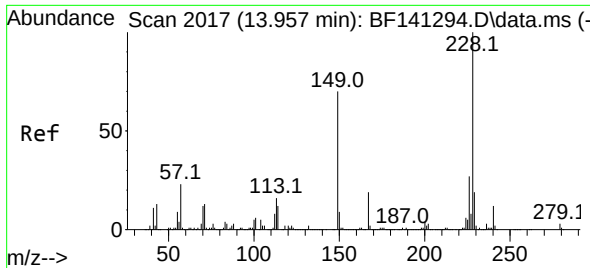
Lab File: BF141353.D

Acq: 01 Feb 2025 00:57



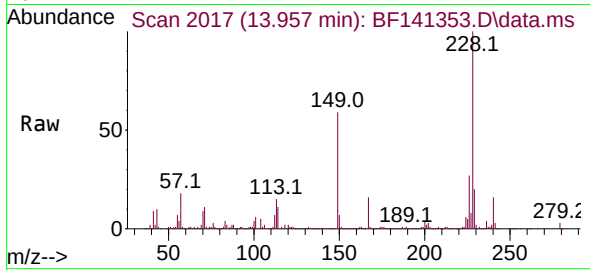
Tgt Ion:	149	Resp:	384203
Ion Ratio	100	Lower	Upper
149	100		
91	70.8	58.6	87.8
206	21.4	16.7	25.1





#81
Benzo(a)anthracene
Concen: 39.660 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

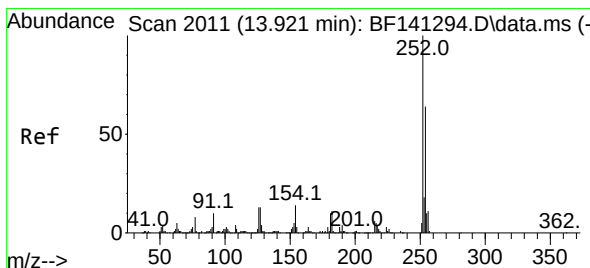
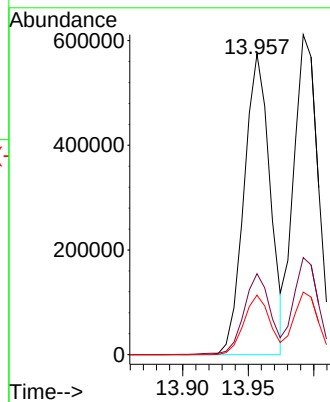
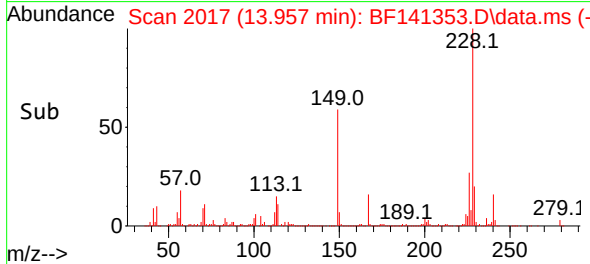
Instrument :
BNA_F
ClientSampleId :
B-113-SB02MSD



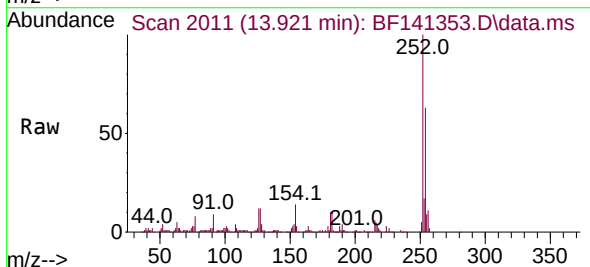
Tgt Ion:228 Resp: 792710
Ion Ratio Lower Upper
228 100
226 26.9 21.4 32.2
229 19.8 15.5 23.3

Manual Integrations
APPROVED

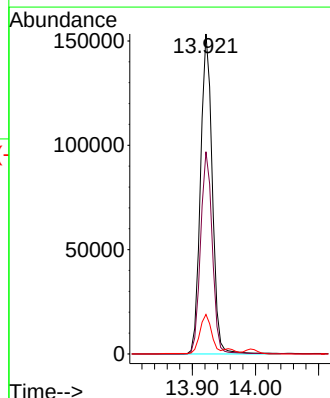
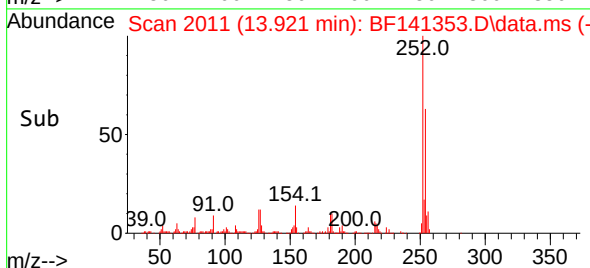
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

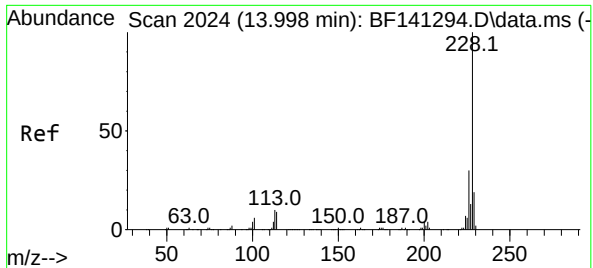


#82
3,3'-Dichlorobenzidine
Concen: 31.187 ng
RT: 13.921 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57



Tgt Ion:252 Resp: 198260
Ion Ratio Lower Upper
252 100
254 63.2 51.3 76.9
126 12.3 10.0 15.0





#83

Chrysene

Concen: 42.919 ng

RT: 13.992 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF141353.D

Acq: 01 Feb 2025 00:57

Instrument :

BNA_F

ClientSampleId :

B-113-SB02MSD

Tgt Ion:228 Resp: 786189

Ion Ratio Lower Upper

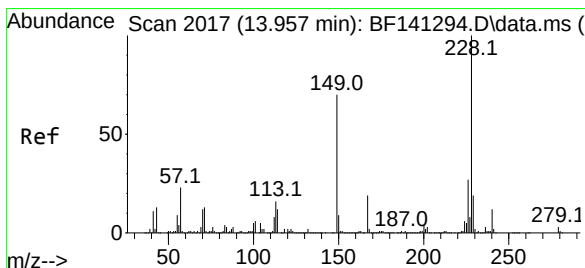
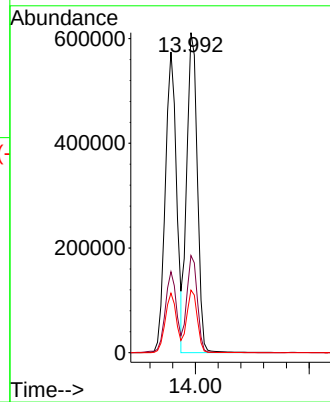
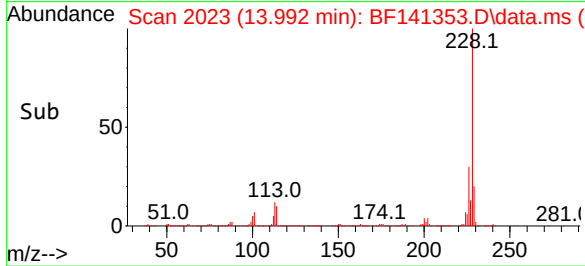
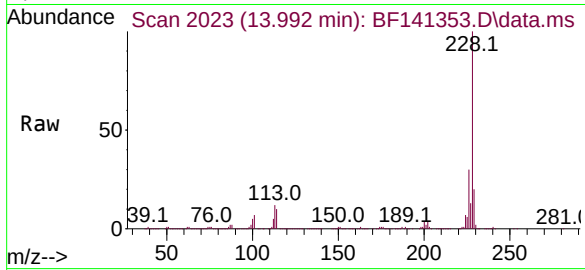
228 100

226 30.3 24.1 36.1

229 19.5 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#84

Bis(2-ethylhexyl)phthalate

Concen: 41.407 ng

RT: 13.951 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF141353.D

Acq: 01 Feb 2025 00:57

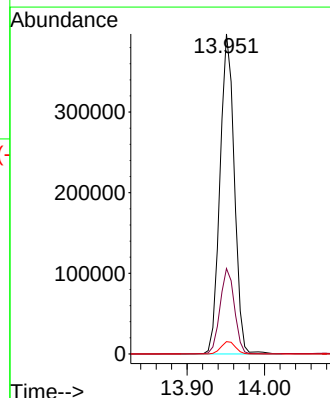
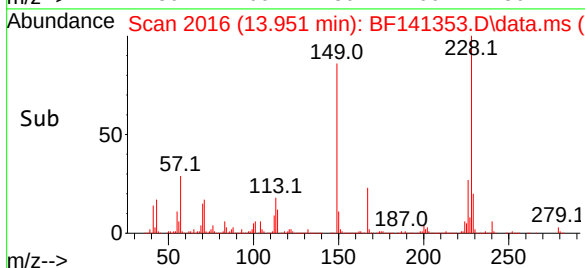
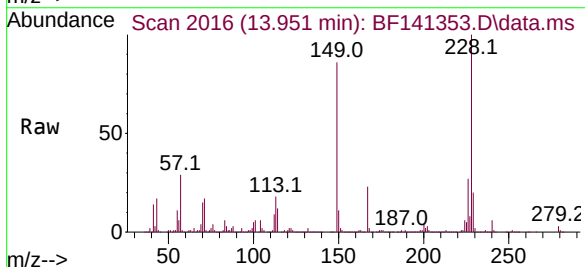
Tgt Ion:149 Resp: 510215

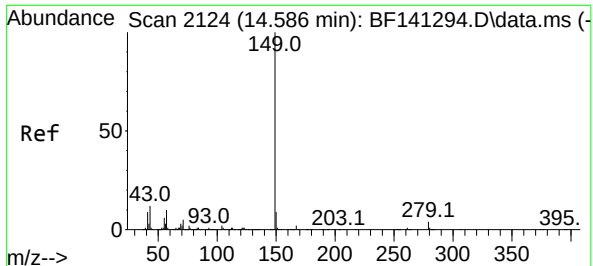
Ion Ratio Lower Upper

149 100

167 26.7 21.8 32.8

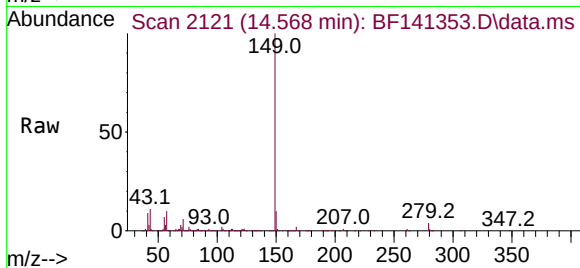
279 3.8 3.3 4.9





#85
Di-n-octyl phthalate
Concen: 48.195 ng
RT: 14.568 min Scan# 2124
Delta R.T. -0.018 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

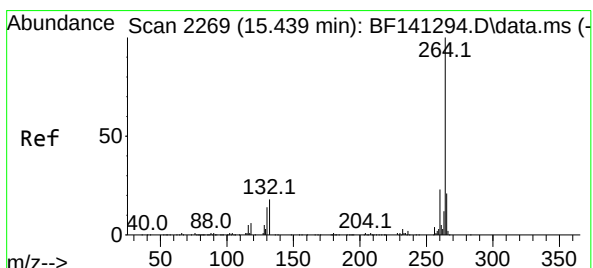
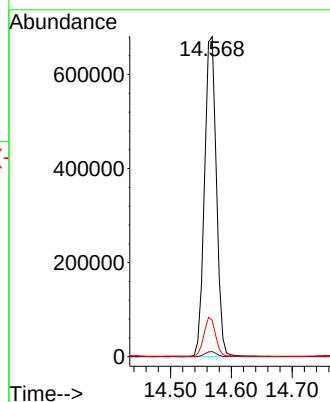
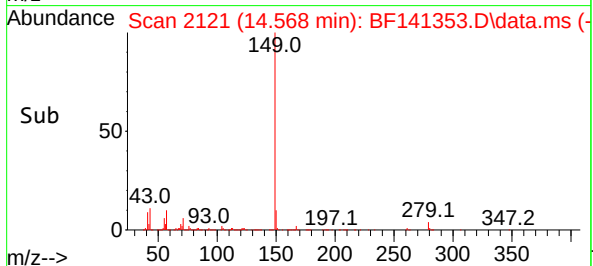
Instrument :
BNA_F
ClientSampleId :
B-113-SB02MSD



Tgt Ion:149 Resp: 92236
Ion Ratio Lower Upper
149 100
167 1.7 1.3 1.9
43 11.8 9.8 14.8

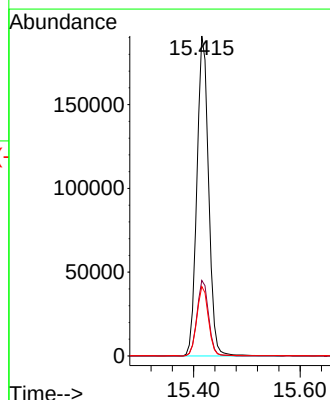
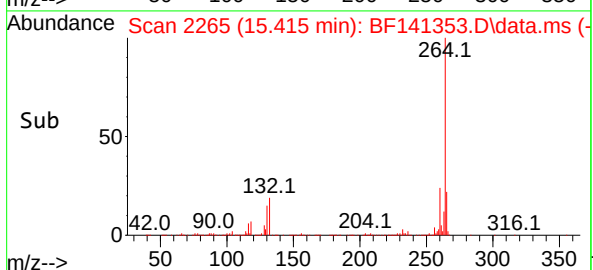
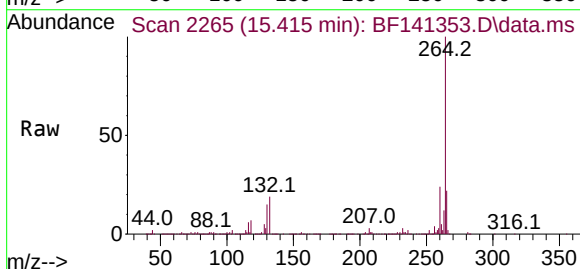
Manual Integrations
APPROVED

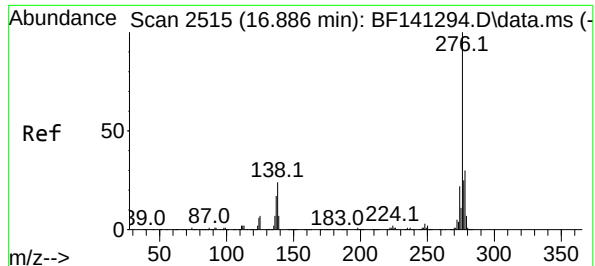
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.415 min Scan# 2265
Delta R.T. -0.024 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Tgt Ion:264 Resp: 291978
Ion Ratio Lower Upper
264 100
260 23.6 18.6 27.8
265 21.7 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 34.356 ng

RT: 16.862 min Scan# 2194

Delta R.T. -0.035 min

Lab File: BF141353.D

Acq: 01 Feb 2025 00:57

Instrument :

BNA_F

ClientSampleId :

B-113-SB02MSD

Tgt Ion:276 Resp: 647440

Ion Ratio Lower Upper

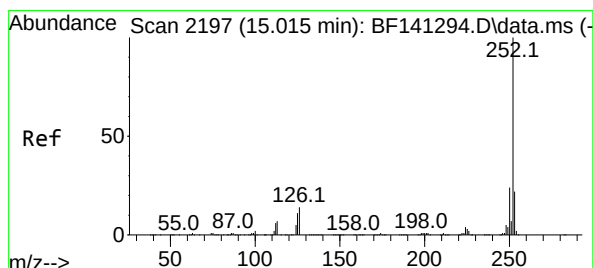
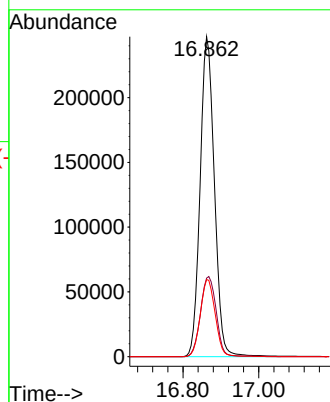
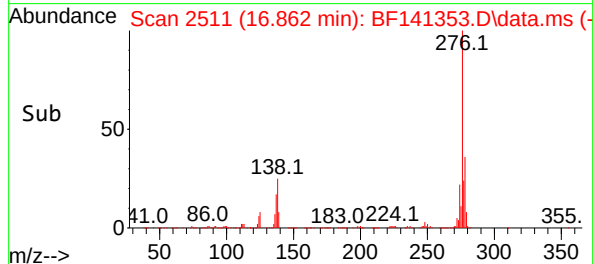
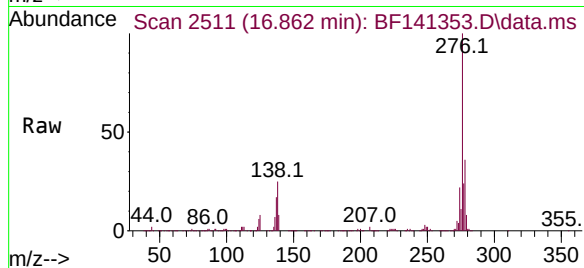
276 100

138 27.5 21.7 32.5

277 25.1 20.3 30.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#88

Benzo(b)fluoranthene

Concen: 42.618 ng

RT: 14.998 min Scan# 2194

Delta R.T. -0.024 min

Lab File: BF141353.D

Acq: 01 Feb 2025 00:57

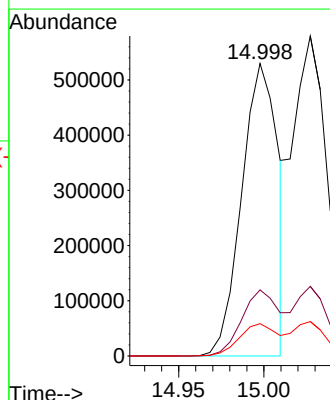
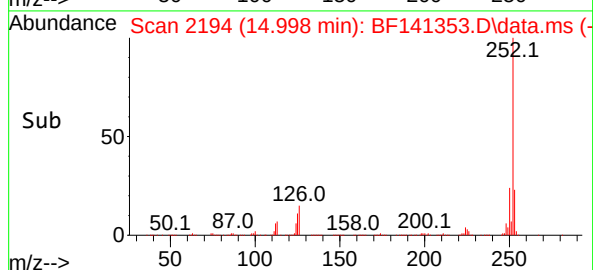
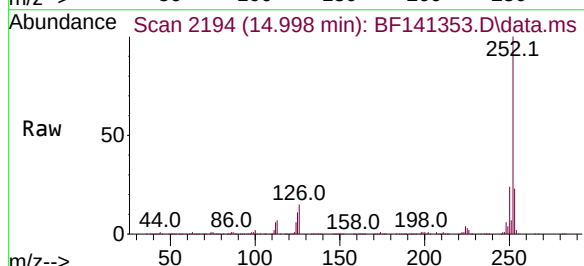
Tgt Ion:252 Resp: 782728

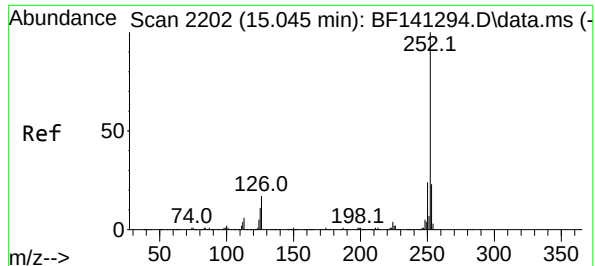
Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.2

125 11.1 8.6 12.8





#89

Benzo(k)fluoranthene

Concen: 49.835 ng m

RT: 15.027 min Scan# 2199

Delta R.T. -0.024 min

Lab File: BF141353.D

Acq: 01 Feb 2025 00:57

Instrument :

BNA_F

ClientSampleId :

B-113-SB02MSD

Tgt Ion:252 Resp: 810829

Ion Ratio Lower Upper

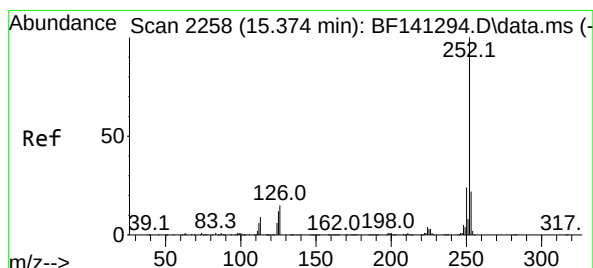
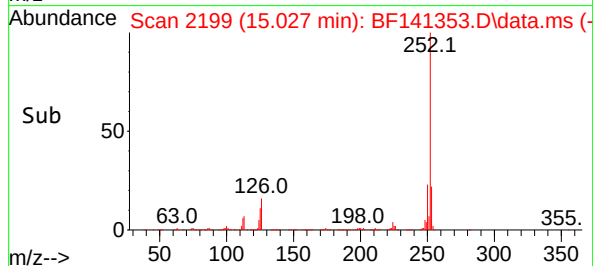
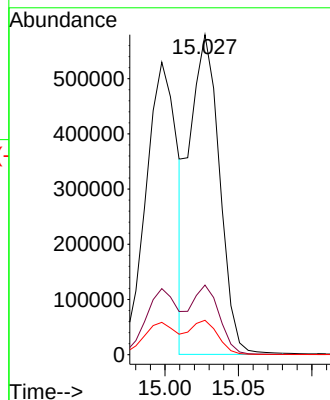
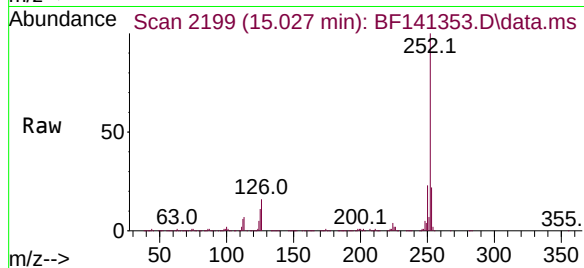
252 100

253 21.7 17.6 26.4

125 10.8 8.4 12.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#90

Benzo(a)pyrene

Concen: 47.170 ng

RT: 15.357 min Scan# 2255

Delta R.T. -0.024 min

Lab File: BF141353.D

Acq: 01 Feb 2025 00:57

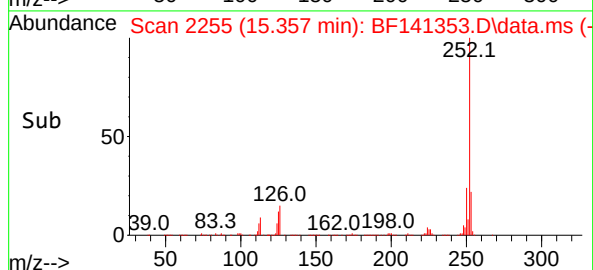
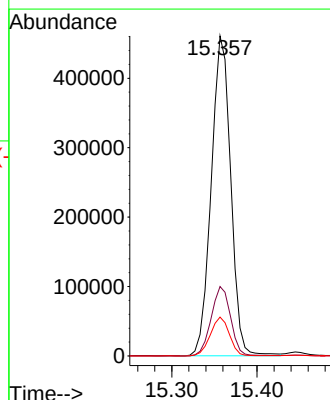
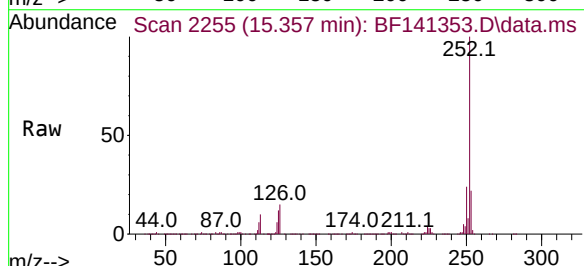
Tgt Ion:252 Resp: 732096

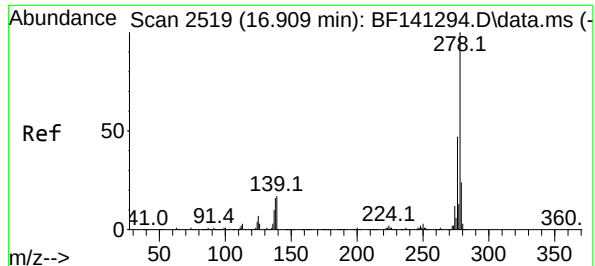
Ion Ratio Lower Upper

252 100

253 21.7 17.2 25.8

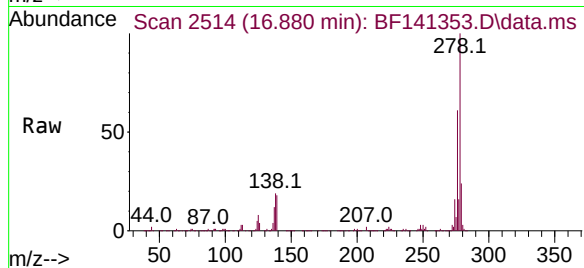
125 12.1 9.4 14.2





#91
Dibenzo(a,h)anthracene
Concen: 34.578 ng
RT: 16.880 min Scan# 2519
Delta R.T. -0.041 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

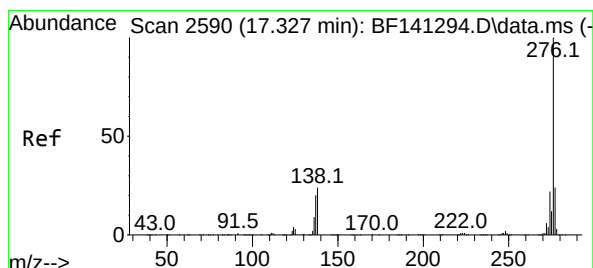
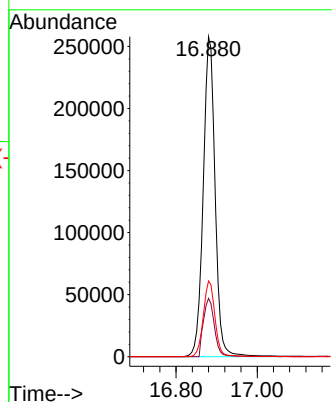
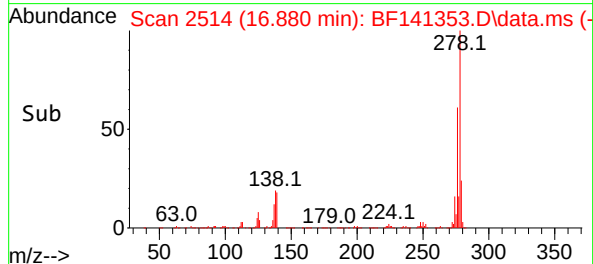
Instrument :
BNA_F
ClientSampleId :
B-113-SB02MSD



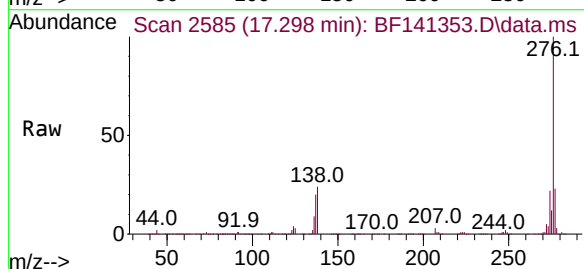
Tgt Ion: 278 Resp: 52424
Ion Ratio Lower Upper
278 100
139 18.2 13.9 20.9
279 23.6 18.8 28.2

Manual Integrations
APPROVED

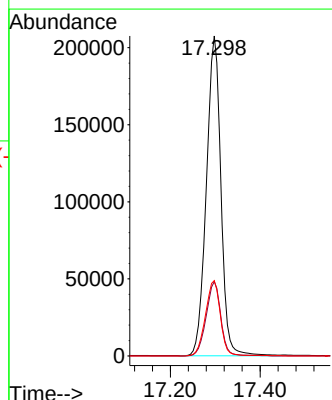
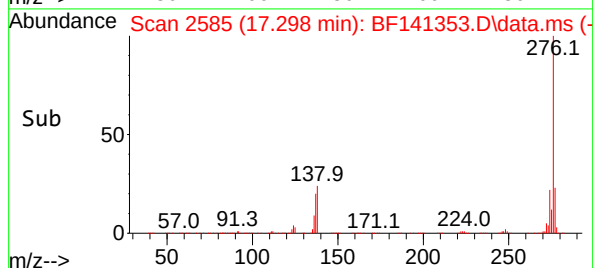
Reviewed By : Jagrut Upadhyay 02/03/2025
Supervised By : mohammad ahmed 02/04/2025



#92
Benzo(g,h,i)perylene
Concen: 29.613 ng
RT: 17.298 min Scan# 2585
Delta R.T. -0.047 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57



Tgt Ion: 276 Resp: 466835
Ion Ratio Lower Upper
276 100
277 23.3 19.2 28.8
138 23.6 19.0 28.4



Manual Integration Report

Sequence:

BF012925

Instrument

BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC010	BF141292.D	2,4-Dimethylphenol	yogesh	1/30/2025 7:49:04 AM	mohammad	2/4/2025 7:21:59 AM	Peak Integrated by Software
SSTDICC020	BF141293.D	2,4-Dimethylphenol	yogesh	1/30/2025 7:49:07 AM	mohammad	2/4/2025 7:21:59 AM	Peak Integrated by Software
SSTDICC050	BF141295.D	2,4-Dimethylphenol	yogesh	1/30/2025 7:49:10 AM	mohammad	2/4/2025 7:21:59 AM	Peak Integrated by Software
SSTDICC060	BF141296.D	2,4-Dimethylphenol	yogesh	1/30/2025 7:49:13 AM	mohammad	2/4/2025 7:21:59 AM	Peak Integrated by Software
SSTDICC060	BF141296.D	Benzoic acid	yogesh	1/30/2025 7:49:13 AM	mohammad	2/4/2025 7:21:59 AM	Peak Integrated by Software
SSTDICV040	BF141298.D	2,4-Dimethylphenol	yogesh	1/30/2025 7:49:17 AM	mohammad	2/4/2025 7:21:59 AM	Peak Integrated by Software



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

Manual Integration Report

Sequence:	bf013025	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF141317.D	2,4-Dimethylphenol	yogesh	1/31/2025 6:32:18 AM	mohammad	1/31/2025 6:41:15 AM	Peak Integrated by Software

Manual Integration Report

Sequence:

BF013125

Instrument

BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF141319.D	2,4-Dimethylphenol	Jagrut	2/3/2025 3:34:12 PM	mohammad	2/4/2025 7:22:32 AM	Peak Integrated by Software
SSTDCCC040	BF141334.D	2,4-Dimethylphenol	Jagrut	2/3/2025 3:34:53 PM	mohammad	2/4/2025 7:22:32 AM	Peak Integrated by Software
SSTDCCC040	BF141334.D	Benzoic acid	Jagrut	2/3/2025 3:34:53 PM	mohammad	2/4/2025 7:22:32 AM	Peak Integrated by Software
Q1194-04MS	BF141352.D	2,4-Dimethylphenol	Jagrut	2/3/2025 3:35:26 PM	mohammad	2/4/2025 7:22:32 AM	Peak Integrated by Software
Q1194-04MS	BF141352.D	Caprolactam	Jagrut	2/3/2025 3:35:26 PM	mohammad	2/4/2025 7:22:32 AM	Peak Integrated by Software
Q1194-04MSD	BF141353.D	2,4-Dimethylphenol	Jagrut	2/3/2025 3:40:23 PM	mohammad	2/4/2025 7:22:32 AM	Peak Integrated by Software
Q1194-04MSD	BF141353.D	Benzo(k)fluoranthene	Jagrut	2/3/2025 3:40:23 PM	mohammad	2/4/2025 7:22:32 AM	Peak Integrated by Software



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

Manual Integration Report

Sequence:	bf020325	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF141361.D	2,4-Dimethylphenol	Jagrut	2/4/2025 4:42:01 PM	mohammad	2/6/2025 8:40:16 AM	Peak Integrated by Software
SSTDCCC040	BF141373.D	2,4-Dimethylphenol	Jagrut	2/4/2025 4:42:09 PM	mohammad	2/6/2025 8:40:16 AM	Peak Integrated by Software

Manual Integration Report

Sequence:

bf020425

Instrument

BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF141398.D	2,4-Dimethylphenol	yogesh	2/5/2025 9:09:09 AM	mohammad	2/5/2025 9:47:32 AM	Peak Integrated by Software
SSTDCCC040	BF141398.D	n-Nitrosodimethylamine	yogesh	2/5/2025 9:09:09 AM	mohammad	2/5/2025 9:47:32 AM	Peak Integrated by Software
SSTDCCC040	BF141410.D	2,4-Dimethylphenol	yogesh	2/5/2025 9:09:18 AM	mohammad	2/5/2025 9:47:32 AM	Peak Integrated by Software
SSTDCCC040	BF141410.D	n-Nitrosodimethylamine	yogesh	2/5/2025 9:09:18 AM	mohammad	2/5/2025 9:47:32 AM	Peak Integrated by Software
Q1194-03	BF141424.D	Benzo(b)fluoranthene	yogesh	2/5/2025 9:09:26 AM	mohammad	2/5/2025 9:47:32 AM	Peak Integrated by Software

Manual Integration Report

Sequence:	BF020525	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF141435.D	2,4-Dimethylphenol	yogesh	2/6/2025 7:43:50 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
SSTDCCC040	BF141435.D	n-Nitrosodimethylamine	yogesh	2/6/2025 7:43:50 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
PB166294BS	BF141439.D	2,3,4,6-Tetrachlorophenol	yogesh	2/6/2025 7:43:55 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
PB166294BS	BF141439.D	2,4-Dimethylphenol	yogesh	2/6/2025 7:43:55 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
PB166294BS	BF141439.D	Acenaphthene	yogesh	2/6/2025 7:43:55 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
PB166294BS	BF141439.D	Caprolactam	yogesh	2/6/2025 7:43:55 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
PB166339BS	BF141442.D	2,4-Dimethylphenol	yogesh	2/6/2025 7:44:06 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
PB166339BS	BF141442.D	Acenaphthene	yogesh	2/6/2025 7:44:06 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
PB166339BS	BF141442.D	Caprolactam	yogesh	2/6/2025 7:44:06 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
PB166339BSD	BF141443.D	2,4-Dimethylphenol	yogesh	2/6/2025 7:44:11 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
PB166339BSD	BF141443.D	Acenaphthene	yogesh	2/6/2025 7:44:11 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
PB166339BSD	BF141443.D	Caprolactam	yogesh	2/6/2025 7:44:11 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
SSTDCCC040	BF141447.D	2,4-Dimethylphenol	yogesh	2/6/2025 7:44:39 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software

Manual Integration Report

Sequence:	BF020525	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF141447.D	Benzo(b)fluoranthene	yogesh	2/6/2025 7:44:39 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
SSTDCCC040	BF141447.D	n-Nitrosodimethylamine	yogesh	2/6/2025 7:44:39 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF012925

Review By	Jagrut	Review On	1/31/2025 4:39:47 PM
Supervise By	mohammad	Supervise On	2/4/2025 7:21:59 AM
SubDirectory	BF012925	HP Acquire Method	BNA_F
		HP Processing Method	bf012925
STD. NAME	STD REF.#		
Tune/Reschk	SP6717		
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673		
CCC	SP6676		
Internal Standard/PEM	S12649,10ul/1000ul sample		
ICV/I.BLK	SP6686		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141289.D	29 Jan 2025 10:03	RC/JU	Ok
2	SSTDICC2.5	BF141290.D	29 Jan 2025 10:30	RC/JU	Ok
3	SSTDICC005	BF141291.D	29 Jan 2025 10:56	RC/JU	Ok
4	SSTDICC010	BF141292.D	29 Jan 2025 11:49	RC/JU	Ok,M
5	SSTDICC020	BF141293.D	29 Jan 2025 15:17	RC/JU	Ok,M
6	SSTDICCC040	BF141294.D	29 Jan 2025 15:45	RC/JU	Ok
7	SSTDICC050	BF141295.D	29 Jan 2025 16:11	RC/JU	Ok,M
8	SSTDICC060	BF141296.D	29 Jan 2025 16:38	RC/JU	Ok,M
9	SSTDICC080	BF141297.D	29 Jan 2025 17:05	RC/JU	Ok
10	SSTDICV040	BF141298.D	29 Jan 2025 17:31	RC/JU	Ok,M
11	PB166167BL	BF141299.D	29 Jan 2025 18:24	RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF013025

Review By	Jagrut	Review On	1/30/2025 5:30:01 PM
Supervise By	mohammad	Supervise On	1/31/2025 6:41:15 AM
SubDirectory	BF013025	HP Acquire Method	BNA_F
		HP Processing Method	bf012925
STD. NAME	STD REF.#		
Tune/Reschk	SP6717		
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673		
CCC	SP6676		
Internal Standard/PEM	S12649,10ul/1000ul sample		
ICV/I.BLK	SP6686		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141300.D	30 Jan 2025 08:28	RC/JU	Ok
2	SSTDCCC040	BF141301.D	30 Jan 2025 08:54	RC/JU	Ok
3	PB166216BL	BF141302.D	30 Jan 2025 09:20	RC/JU	Ok
4	PB166335BS	BF141303.D	30 Jan 2025 09:57	RC/JU	Ok,M
5	Q1168-02	BF141304.D	30 Jan 2025 10:23	RC/JU	Ok,M
6	Q1168-08	BF141305.D	30 Jan 2025 10:53	RC/JU	Ok,M
7	Q1168-02	BF141306.D	30 Jan 2025 11:55	RC/JU	Ok,M
8	Q1168-08	BF141307.D	30 Jan 2025 12:21	RC/JU	Ok,M
9	Q1168-01	BF141308.D	30 Jan 2025 12:47	RC/JU	Ok,M
10	Q1168-07	BF141309.D	30 Jan 2025 13:13	RC/JU	Ok,M
11	Q1168-01	BF141310.D	30 Jan 2025 13:39	RC/JU	Ok,M
12	Q1168-07	BF141311.D	30 Jan 2025 14:05	RC/JU	Ok,M
13	PB166339BL	BF141312.D	30 Jan 2025 14:32	RC/JU	Ok
14	Q1209-01	BF141313.D	30 Jan 2025 15:11	RC/JU	Ok,M
15	Q1209-05	BF141314.D	30 Jan 2025 15:37	RC/JU	Ok
16	Q1209-05MS	BF141315.D	30 Jan 2025 16:03	RC/JU	Ok,M
17	Q1209-05MSD	BF141316.D	30 Jan 2025 16:30	RC/JU	Ok,M
18	SSTDCCC040	BF141317.D	30 Jan 2025 17:04	RC/JU	Ok,M

M : Manual Integration

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QCBatch ID # BF013125

Review By	Jagrut	Review On	2/3/2025 3:44:51 PM
Supervise By	mohammad	Supervise On	2/4/2025 7:22:32 AM
SubDirectory	BF013125	HP Acquire Method	BNA_F
		HP Processing Method	bf012925
STD. NAME	STD REF.#		
Tune/Reschk	SP6717		
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673		
CCC	SP6676		
Internal Standard/PEM	S12649,10ul/1000ul sample		
ICV/I.BLK	SP6686		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141318.D	31 Jan 2025 08:30	RC/JU	Ok
2	SSTDCCC040	BF141319.D	31 Jan 2025 09:22	RC/JU	Ok,M
3	PB166258BL	BF141320.D	31 Jan 2025 09:49	RC/JU	Ok
4	Q1168-03	BF141321.D	31 Jan 2025 10:15	RC/JU	Ok,M
5	Q1168-03	BF141322.D	31 Jan 2025 10:42	RC/JU	Ok,M
6	Q1168-09	BF141323.D	31 Jan 2025 11:08	RC/JU	Ok,M
7	Q1168-09	BF141324.D	31 Jan 2025 11:35	RC/JU	Ok,M
8	PB166363BL	BF141325.D	31 Jan 2025 12:01	RC/JU	Ok
9	PB166363BS	BF141326.D	31 Jan 2025 12:28	RC/JU	Ok,M
10	PB166363BSD	BF141327.D	31 Jan 2025 12:54	RC/JU	Ok,M
11	Q1211-01	BF141328.D	31 Jan 2025 13:27	RC/JU	Ok
12	Q1211-02	BF141329.D	31 Jan 2025 13:53	RC/JU	Ok
13	Q1209-04	BF141330.D	31 Jan 2025 14:20	RC/JU	Ok
14	Q1209-08	BF141331.D	31 Jan 2025 14:46	RC/JU	Ok
15	Q1205-02	BF141332.D	31 Jan 2025 15:13	RC/JU	Ok
16	Q1205-01	BF141333.D	31 Jan 2025 15:39	RC/JU	Ok,M
17	SSTDCCC040	BF141334.D	31 Jan 2025 16:26	RC/JU	Ok,M
18	DFTPP	BF141335.D	31 Jan 2025 16:53	RC/JU	Ok
19	SSTDCCC040	BF141336.D	31 Jan 2025 17:19	RC/JU	Ok
20	PB166354BL	BF141337.D	31 Jan 2025 17:46	RC/JU	Ok
21	Q1218-02	BF141338.D	31 Jan 2025 18:18	RC/JU	Ok,M

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF013125

Review By	Jagrut	Review On	2/3/2025 3:44:51 PM
Supervise By	mohammad	Supervise On	2/4/2025 7:22:32 AM
SubDirectory	BF013125	HP Acquire Method	BNA_F
		HP Processing Method	bf012925
STD. NAME	STD REF.#		
Tune/Reschk	SP6717		
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673		
CCC	SP6676		
Internal Standard/PEM	S12649,10ul/1000ul sample		
ICV/I.BLK	SP6686		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q1218-02MS	BF141339.D	31 Jan 2025 18:44	RC/JU	Ok,M
23	Q1218-02MSD	BF141340.D	31 Jan 2025 19:11	RC/JU	Ok,M
24	Q1219-02	BF141341.D	31 Jan 2025 19:37	RC/JU	Ok,M
25	Q1221-02	BF141342.D	31 Jan 2025 20:04	RC/JU	Ok
26	Q1221-01	BF141343.D	31 Jan 2025 20:30	RC/JU	Ok
27	Q1239-10	BF141344.D	31 Jan 2025 20:56	RC/JU	Ok
28	Q1239-10MS	BF141345.D	31 Jan 2025 21:23	RC/JU	Ok,M
29	Q1239-10MSD	BF141346.D	31 Jan 2025 21:50	RC/JU	Ok,M
30	Q1205-02MS	BF141347.D	31 Jan 2025 22:16	RC/JU	Ok,M
31	Q1205-02MSD	BF141348.D	31 Jan 2025 22:43	RC/JU	Ok,M
32	Q1194-01	BF141349.D	31 Jan 2025 23:10	RC/JU	Ok
33	Q1194-02	BF141350.D	31 Jan 2025 23:37	RC/JU	Ok
34	Q1194-04	BF141351.D	01 Feb 2025 00:03	RC/JU	Ok
35	Q1194-04MS	BF141352.D	01 Feb 2025 00:30	RC/JU	Ok,M
36	Q1194-04MSD	BF141353.D	01 Feb 2025 00:57	RC/JU	Ok,M
37	Q1239-07	BF141354.D	01 Feb 2025 01:24	RC/JU	Ok,M
38	Q1239-04	BF141355.D	01 Feb 2025 01:51	RC/JU	Ok,M
39	Q1243-01	BF141356.D	01 Feb 2025 02:17	RC/JU	Ok
40	Q1220-01	BF141357.D	01 Feb 2025 02:44	RC/JU	Ok,M
41	Q1244-01	BF141358.D	01 Feb 2025 03:11	RC/JU	Ok,M
42	Q1239-01	BF141359.D	01 Feb 2025 03:37	RC/JU	Ok,M

M : Manual Integration

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QCBatch ID # BF020325

Review By	Jagrut	Review On	2/4/2025 4:42:42 PM
Supervise By	mohammad	Supervise On	2/6/2025 8:40:16 AM
SubDirectory	BF020325	HP Acquire Method	BNA_F
		HP Processing Method	bf012925
STD. NAME	STD REF.#		
Tune/Reschk	SP6717		
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673		
CCC	SP6676		
Internal Standard/PEM	S12649,10ul/1000ul sample		
ICV/I.BLK	SP6686		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141360.D	03 Feb 2025 09:53	RC/JU	Ok
2	SSTDCCC040	BF141361.D	03 Feb 2025 11:24	RC/JU	Ok,M
3	PB166426BL	BF141362.D	03 Feb 2025 11:51	RC/JU	Ok
4	PB166468BS	BF141363.D	03 Feb 2025 12:18	RC/JU	Not Ok
5	PB166468BSD	BF141364.D	03 Feb 2025 12:44	RC/JU	Not Ok
6	PB166468BL	BF141365.D	03 Feb 2025 13:10	RC/JU	Not Ok
7	Q1214-01	BF141366.D	03 Feb 2025 13:41	RC/JU	ReRun
8	Q1194-08	BF141367.D	03 Feb 2025 14:08	RC/JU	Ok
9	Q1239-02	BF141368.D	03 Feb 2025 14:34	RC/JU	Ok
10	Q1239-05	BF141369.D	03 Feb 2025 15:00	RC/JU	Ok
11	Q1239-08	BF141370.D	03 Feb 2025 15:26	RC/JU	Ok
12	Q1239-11	BF141371.D	03 Feb 2025 15:52	RC/JU	Ok
13	DFTPP	BF141372.D	03 Feb 2025 16:43	RC/JU	Ok
14	SSTDCCC040	BF141373.D	03 Feb 2025 17:14	RC/JU	Ok,M
15	PB166335BL	BF141374.D	03 Feb 2025 17:41	RC/JU	Ok
16	Q1216-12	BF141375.D	03 Feb 2025 18:12	RC/JU	Ok
17	Q1216-16	BF141376.D	03 Feb 2025 18:38	RC/JU	Ok
18	Q1216-20	BF141377.D	03 Feb 2025 19:04	RC/JU	Ok
19	Q1235-04	BF141378.D	03 Feb 2025 19:31	RC/JU	Ok
20	Q1235-08	BF141379.D	03 Feb 2025 19:57	RC/JU	Ok
21	Q1232-04	BF141380.D	03 Feb 2025 20:24	RC/JU	Ok

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF020325

Review By	Jagrut	Review On	2/4/2025 4:42:42 PM
Supervise By	mohammad	Supervise On	2/6/2025 8:40:16 AM
SubDirectory	BF020325	HP Acquire Method	BNA_F
		HP Processing Method	bf012925
STD. NAME	STD REF.#		
Tune/Reschk	SP6717		
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673		
CCC	SP6676		
Internal Standard/PEM	S12649,10ul/1000ul sample		
ICV/I.BLK	SP6686		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q1232-08	BF141381.D	03 Feb 2025 20:51	RC/JU	Ok
23	Q1232-12	BF141382.D	03 Feb 2025 21:17	RC/JU	Ok
24	Q1232-16	BF141383.D	03 Feb 2025 21:44	RC/JU	Ok
25	Q1232-20	BF141384.D	03 Feb 2025 22:11	RC/JU	Ok
26	Q1269-01	BF141385.D	03 Feb 2025 22:37	RC/JU	Ok
27	Q1271-01	BF141386.D	03 Feb 2025 23:04	RC/JU	Ok
28	Q1271-01MS	BF141387.D	03 Feb 2025 23:30	RC/JU	Ok,M
29	Q1271-01MSD	BF141388.D	03 Feb 2025 23:56	RC/JU	Ok,M
30	Q1262-01	BF141389.D	04 Feb 2025 00:23	RC/JU	Dilution
31	Q1232-03	BF141390.D	04 Feb 2025 00:49	RC/JU	Dilution
32	Q1216-19	BF141391.D	04 Feb 2025 01:16	RC/JU	Ok,M
33	Q1216-11	BF141392.D	04 Feb 2025 01:42	RC/JU	Ok,M
34	Q1219-01	BF141393.D	04 Feb 2025 02:09	RC/JU	Ok
35	Q1261-01	BF141394.D	04 Feb 2025 02:35	RC/JU	Ok
36	Q1218-01	BF141395.D	04 Feb 2025 03:01	RC/JU	Ok
37	Q1254-01	BF141396.D	04 Feb 2025 03:28	RC/JU	Ok,M

M : Manual Integration

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF020425

Review By	yogesh	Review On	2/5/2025 9:10:01 AM
Supervise By	mohammad	Supervise On	2/5/2025 9:47:32 AM
SubDirectory	BF020425	HP Acquire Method	BNA_F
		HP Processing Method	bf012925
STD. NAME	STD REF.#		
Tune/Reschk	SP6717		
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673		
CCC	SP6676		
Internal Standard/PEM	S12650,10ul/1000ul sample		
ICV/I.BLK	SP6686		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141397.D	04 Feb 2025 10:16	RC/JU	Ok
2	SSTDCCC040	BF141398.D	04 Feb 2025 10:42	RC/JU	Ok,M
3	PB166483BL	BF141399.D	04 Feb 2025 11:08	RC/JU	Ok
4	PB166483BS	BF141400.D	04 Feb 2025 11:35	RC/JU	Ok,M
5	PB166423TB	BF141401.D	04 Feb 2025 12:02	RC/JU	Ok
6	PB166465BS	BF141402.D	04 Feb 2025 12:28	RC/JU	Ok,M
7	PB166465BL	BF141403.D	04 Feb 2025 12:54	RC/JU	Ok
8	PB166360BL	BF141404.D	04 Feb 2025 13:21	RC/JU	Ok
9	PB166360BS	BF141405.D	04 Feb 2025 13:47	RC/JU	Ok,M
10	PB166356TB	BF141406.D	04 Feb 2025 14:13	RC/JU	Ok
11	PB166426BS	BF141407.D	04 Feb 2025 14:39	RC/JU	Ok,M
12	PB166294BL	BF141408.D	04 Feb 2025 15:06	RC/JU	Ok
13	DFTPP	BF141409.D	04 Feb 2025 15:32	RC/JU	Ok
14	SSTDCCC040	BF141410.D	04 Feb 2025 15:58	RC/JU	Ok,M
15	PB166525BL	BF141411.D	04 Feb 2025 16:24	RC/JU	Ok
16	Q1262-03	BF141412.D	04 Feb 2025 16:56	RC/JU	Ok
17	Q1239-02MS	BF141413.D	04 Feb 2025 17:22	RC/JU	Ok,M
18	Q1239-02MSD	BF141414.D	04 Feb 2025 17:49	RC/JU	Ok,M
19	Q1241-08	BF141415.D	04 Feb 2025 18:15	RC/JU	Ok
20	Q1241-12	BF141416.D	04 Feb 2025 18:41	RC/JU	Ok,M
21	Q1241-16	BF141417.D	04 Feb 2025 19:07	RC/JU	Ok

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF020425

Review By	yogesh	Review On	2/5/2025 9:10:01 AM
Supervise By	mohammad	Supervise On	2/5/2025 9:47:32 AM
SubDirectory	BF020425	HP Acquire Method	BNA_F
		HP Processing Method	bf012925
STD. NAME	STD REF.#		
Tune/Reschk	SP6717		
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673		
CCC	SP6676		
Internal Standard/PEM	S12650,10ul/1000ul sample		
ICV/I.BLK	SP6686		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q1241-20	BF141418.D	04 Feb 2025 19:34	RC/JU	Ok
23	Q1242-04	BF141419.D	04 Feb 2025 20:00	RC/JU	Ok
24	Q1241-04	BF141420.D	04 Feb 2025 20:26	RC/JU	Ok
25	Q1216-08	BF141421.D	04 Feb 2025 20:52	RC/JU	Ok
26	Q1206-04	BF141422.D	04 Feb 2025 21:19	RC/JU	Ok
27	Q1206-08	BF141423.D	04 Feb 2025 21:45	RC/JU	Ok
28	Q1194-03	BF141424.D	04 Feb 2025 22:11	RC/JU	Ok,M
29	Q1262-01DL	BF141425.D	04 Feb 2025 22:38	RC/JU	Ok,M
30	Q1232-03DL	BF141426.D	04 Feb 2025 23:04	RC/JU	Ok,M
31	Q1280-01	BF141427.D	04 Feb 2025 23:30	RC/JU	Ok,M
32	Q1280-01MS	BF141428.D	04 Feb 2025 23:56	RC/JU	Ok,M
33	Q1280-01MSD	BF141429.D	05 Feb 2025 00:22	RC/JU	Ok,M
34	Q1276-01	BF141430.D	05 Feb 2025 00:48	RC/JU	Ok,M
35	Q1277-02	BF141431.D	05 Feb 2025 01:15	RC/JU	Ok
36	Q1281-01	BF141432.D	05 Feb 2025 01:41	RC/JU	Ok,M
37	Q1241-07	BF141433.D	05 Feb 2025 02:07	RC/JU	Ok,M

M : Manual Integration

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF020525

Review By	yogesh	Review On	2/6/2025 7:45:47 AM
Supervise By	mohammad	Supervise On	2/6/2025 8:39:24 AM
SubDirectory	BF020525	HP Acquire Method	BNA_F
		HP Processing Method	bf012925
STD. NAME	STD REF.#		
Tune/Reschk	SP6717		
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673		
CCC	SP6676		
Internal Standard/PEM	S12650,10ul/1000ul sample		
ICV/I.BLK	SP6686		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141434.D	05 Feb 2025 09:36	RC/JU	Ok
2	SSTDCCC040	BF141435.D	05 Feb 2025 10:02	RC/JU	Ok,M
3	PB166264BL	BF141436.D	05 Feb 2025 10:28	RC/JU	Ok
4	PB166264BS	BF141437.D	05 Feb 2025 10:55	RC/JU	Ok,M
5	PB166211TB	BF141438.D	05 Feb 2025 11:21	RC/JU	Ok
6	PB166294BS	BF141439.D	05 Feb 2025 11:47	RC/JU	Ok,M
7	PB166418BL	BF141440.D	05 Feb 2025 12:13	RC/JU	Ok
8	PB166418BS	BF141441.D	05 Feb 2025 12:39	RC/JU	Ok,M
9	PB166339BS	BF141442.D	05 Feb 2025 13:05	RC/JU	Ok,M
10	PB166339BSD	BF141443.D	05 Feb 2025 13:31	RC/JU	Ok,M
11	PB166525BS	BF141444.D	05 Feb 2025 13:58	RC/JU	Ok,M
12	PB166354BS	BF141445.D	05 Feb 2025 14:24	RC/JU	Ok,M
13	DFTPP	BF141446.D	05 Feb 2025 14:50	RC/JU	Ok
14	SSTDCCC040	BF141447.D	05 Feb 2025 15:16	RC/JU	Ok,M
15	PB166318TB	BF141448.D	05 Feb 2025 15:43	RC/JU	Ok
16	Q1215-04	BF141449.D	05 Feb 2025 16:16	RC/JU	Ok
17	Q1215-08	BF141450.D	05 Feb 2025 16:42	RC/JU	Ok
18	Q1282-01	BF141451.D	05 Feb 2025 17:08	RC/JU	Ok
19	Q1207-04	BF141452.D	05 Feb 2025 17:35	RC/JU	Ok
20	Q1207-08	BF141453.D	05 Feb 2025 18:01	RC/JU	Ok
21	Q1207-20	BF141454.D	05 Feb 2025 18:27	RC/JU	Ok

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF020525

Review By	yogesh	Review On	2/6/2025 7:45:47 AM
Supervise By	mohammad	Supervise On	2/6/2025 8:39:24 AM
SubDirectory	BF020525	HP Acquire Method	BNA_F
		HP Processing Method	bf012925
STD. NAME	STD REF.#		
Tune/Reschk	SP6717		
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673		
CCC	SP6676		
Internal Standard/PEM	S12650,10ul/1000ul sample		
ICV/I.BLK	SP6686		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q1207-12	BF141455.D	05 Feb 2025 18:54	RC/JU	Ok
23	Q1207-16	BF141456.D	05 Feb 2025 19:20	RC/JU	Ok
24	Q1280-02	BF141457.D	05 Feb 2025 19:46	RC/JU	Ok
25	Q1280-02MS	BF141458.D	05 Feb 2025 20:12	RC/JU	Ok,M
26	Q1280-02MSD	BF141459.D	05 Feb 2025 20:38	RC/JU	Ok,M
27	Q1207-19	BF141460.D	05 Feb 2025 21:05	RC/JU	Ok,M
28	Q1206-03	BF141461.D	05 Feb 2025 21:31	RC/JU	Dilution
29	Q1207-03	BF141462.D	05 Feb 2025 21:57	RC/JU	Ok,M
30	Q1207-11	BF141463.D	05 Feb 2025 22:23	RC/JU	Ok,M
31	Q1207-07	BF141464.D	05 Feb 2025 22:49	RC/JU	Ok,M
32	Q1207-15	BF141465.D	05 Feb 2025 23:15	RC/JU	Ok,M
33	Q1206-07	BF141466.D	05 Feb 2025 23:41	RC/JU	Ok,M
34	Q1284-01	BF141467.D	06 Feb 2025 00:07	RC/JU	Ok
35	Q1286-01	BF141468.D	06 Feb 2025 00:33	RC/JU	Ok
36	Q1288-04	BF141469.D	06 Feb 2025 00:59	RC/JU	Ok,M
37	Q1285-01	BF141470.D	06 Feb 2025 01:26	RC/JU	Dilution

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF012925

Review By	Jagrut	Review On	1/31/2025 4:39:47 PM
Supervise By	mohammad	Supervise On	2/4/2025 7:21:59 AM
SubDirectory	BF012925	HP Acquire Method	BNA_F
		HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12649,10ul/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	BF141289.D	29 Jan 2025 10:03		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF141290.D	29 Jan 2025 10:30		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF141291.D	29 Jan 2025 10:56	Compound #54 is removed from 5ppm	RC/JU	Ok
4	SSTDICC010	SSTDICC010	BF141292.D	29 Jan 2025 11:49		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BF141293.D	29 Jan 2025 15:17	The Calibration is fail for compound #77	RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BF141294.D	29 Jan 2025 15:45	The Calibration is Good For 8270 DOD Except com#77 and good for 625.1 Method Except com#77	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BF141295.D	29 Jan 2025 16:11		RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BF141296.D	29 Jan 2025 16:38		RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BF141297.D	29 Jan 2025 17:05		RC/JU	Ok
10	SSTDICV040	ICVBF012925	BF141298.D	29 Jan 2025 17:31		RC/JU	Ok,M
11	PB166167BL	PB166167BL	BF141299.D	29 Jan 2025 18:24		RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF013025

Review By	Jagrut	Review On	1/30/2025 5:30:01 PM
Supervise By	mohammad	Supervise On	1/31/2025 6:41:15 AM
SubDirectory	BF013025	HP Acquire Method	BNA_F
		HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12649,10ul/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	BF141300.D	30 Jan 2025 08:28		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF141301.D	30 Jan 2025 08:54		RC/JU	Ok
3	PB166216BL	PB166216BL	BF141302.D	30 Jan 2025 09:20		RC/JU	Ok
4	PB166335BS	PB166335BS	BF141303.D	30 Jan 2025 09:57		RC/JU	Ok,M
5	Q1168-02	LOQ-SOIL-02-QT1-202	BF141304.D	30 Jan 2025 10:23	LOQ-SOIL-5 PPM	RC/JU	Ok,M
6	Q1168-08	LOQ-WATER-02-QT1-2	BF141305.D	30 Jan 2025 10:53	LOQ-WATER-5 PPM	RC/JU	Ok,M
7	Q1168-02	LOQ-SOIL-02-QT1-202	BF141306.D	30 Jan 2025 11:55	LOQ-SOIL-10 PPM	RC/JU	Ok,M
8	Q1168-08	LOQ-WATER-02-QT1-2	BF141307.D	30 Jan 2025 12:21	LOQ-WATER-10 PPM	RC/JU	Ok,M
9	Q1168-01	LOD-MDL-SOIL-01-QT	BF141308.D	30 Jan 2025 12:47	LOD-MDL-SOIL-4PPM	RC/JU	Ok,M
10	Q1168-07	LOD-MDL-WATER-01-Q	BF141309.D	30 Jan 2025 13:13	LOD-MDL-WATER-4PPM	RC/JU	Ok,M
11	Q1168-01	LOD-MDL-SOIL-01-QT	BF141310.D	30 Jan 2025 13:39	LOD-MDL-SOIL-8PPM	RC/JU	Ok,M
12	Q1168-07	LOD-MDL-WATER-01-Q	BF141311.D	30 Jan 2025 14:05	LOD-MDL-WATER-8PPM	RC/JU	Ok,M
13	PB166339BL	PB166339BL	BF141312.D	30 Jan 2025 14:32		RC/JU	Ok
14	Q1209-01	WC-4	BF141313.D	30 Jan 2025 15:11		RC/JU	Ok,M
15	Q1209-05	WC-5	BF141314.D	30 Jan 2025 15:37		RC/JU	Ok
16	Q1209-05MS	WC-5MS	BF141315.D	30 Jan 2025 16:03		RC/JU	Ok,M
17	Q1209-05MSD	WC-5MSD	BF141316.D	30 Jan 2025 16:30		RC/JU	Ok,M
18	SSTDCCC040	SSTDCCC040EC	BF141317.D	30 Jan 2025 17:04		RC/JU	Ok,M

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF013025

Review By	Jagrut	Review On	1/30/2025 5:30:01 PM		
Supervise By	mohammad	Supervise On	1/31/2025 6:41:15 AM		
SubDirectory	BF013025	HP Acquire Method	BNA_F	HP Processing Method	bf012925
STD. NAME	STD REF.#				
Tune/Reschk	SP6717				
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673				
CCC	SP6676				
Internal Standard/PEM	S12649,10ul/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 # BF013125

Review By	Jagrut	Review On	2/3/2025 3:44:51 PM
Supervise By	mohammad	Supervise On	2/4/2025 7:22:32 AM
SubDirectory	BF013125	HP Acquire Method	BNA_F
		HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12649,10ul/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	BF141318.D	31 Jan 2025 08:30		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF141319.D	31 Jan 2025 09:22		RC/JU	Ok,M
3	PB166258BL	PB166258BL	BF141320.D	31 Jan 2025 09:49		RC/JU	Ok
4	Q1168-03	MDL-SOIL-03-QT1-202	BF141321.D	31 Jan 2025 10:15	MDL-SOIL-4PPM	RC/JU	Ok,M
5	Q1168-03	MDL-SOIL-03-QT1-202	BF141322.D	31 Jan 2025 10:42	MDL-SOIL-8PPM	RC/JU	Ok,M
6	Q1168-09	MDL-WATER-03-QT1-2	BF141323.D	31 Jan 2025 11:08	MDL-WATER-4PPM	RC/JU	Ok,M
7	Q1168-09	MDL-WATER-03-QT1-2	BF141324.D	31 Jan 2025 11:35	MDL-WATER-03-8PPM	RC/JU	Ok,M
8	PB166363BL	PB166363BL	BF141325.D	31 Jan 2025 12:01		RC/JU	Ok
9	PB166363BS	PB166363BS	BF141326.D	31 Jan 2025 12:28		RC/JU	Ok,M
10	PB166363BSD	PB166363BSD	BF141327.D	31 Jan 2025 12:54		RC/JU	Ok,M
11	Q1211-01	TAPHHA-MW01-01282	BF141328.D	31 Jan 2025 13:27		RC/JU	Ok
12	Q1211-02	TAPIAL2-MW03-01282	BF141329.D	31 Jan 2025 13:53		RC/JU	Ok
13	Q1209-04	WC-4	BF141330.D	31 Jan 2025 14:20		RC/JU	Ok
14	Q1209-08	WC-5	BF141331.D	31 Jan 2025 14:46		RC/JU	Ok
15	Q1205-02	VNJ-236	BF141332.D	31 Jan 2025 15:13		RC/JU	Ok
16	Q1205-01	VNJ-236	BF141333.D	31 Jan 2025 15:39		RC/JU	Ok,M
17	SSTDCCC040	SSTDCCC040EC	BF141334.D	31 Jan 2025 16:26		RC/JU	Ok,M
18	DFTPP	DFTPP	BF141335.D	31 Jan 2025 16:53		RC/JU	Ok

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF013125

Review By	Jagrut	Review On	2/3/2025 3:44:51 PM		
Supervise By	mohammad	Supervise On	2/4/2025 7:22:32 AM		
SubDirectory	BF013125	HP Acquire Method	BNA_F	HP Processing Method	bf012925
STD. NAME		STD REF.#			
Tune/Reschk		SP6717			
Initial Calibration Stds		SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673			
CCC		SP6676			
Internal Standard/PEM		S12649,10ul/1000ul sample			
ICV/I.BLK		SP6686			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

19	SSTDCCC040	SSTDCCC040	BF141336.D	31 Jan 2025 17:19		RC/JU	Ok
20	PB166354BL	PB166354BL	BF141337.D	31 Jan 2025 17:46		RC/JU	Ok
21	Q1218-02	BELL-25-002	BF141338.D	31 Jan 2025 18:18		RC/JU	Ok,M
22	Q1218-02MS	BELL-25-002MS	BF141339.D	31 Jan 2025 18:44		RC/JU	Ok,M
23	Q1218-02MSD	BELL-25-002MSD	BF141340.D	31 Jan 2025 19:11		RC/JU	Ok,M
24	Q1219-02	LAW-25-0015	BF141341.D	31 Jan 2025 19:37		RC/JU	Ok,M
25	Q1221-02	CHESTNUT-CONCRE	BF141342.D	31 Jan 2025 20:04		RC/JU	Ok
26	Q1221-01	CHESTNUT-CONCRE	BF141343.D	31 Jan 2025 20:30		RC/JU	Ok
27	Q1239-10	357	BF141344.D	31 Jan 2025 20:56		RC/JU	Ok
28	Q1239-10MS	357MS	BF141345.D	31 Jan 2025 21:23		RC/JU	Ok,M
29	Q1239-10MSD	357MSD	BF141346.D	31 Jan 2025 21:50		RC/JU	Ok,M
30	Q1205-02MS	VNJ-236MS	BF141347.D	31 Jan 2025 22:16		RC/JU	Ok,M
31	Q1205-02MSD	VNJ-236MSD	BF141348.D	31 Jan 2025 22:43		RC/JU	Ok,M
32	Q1194-01	B-110-SB01	BF141349.D	31 Jan 2025 23:10		RC/JU	Ok
33	Q1194-02	B-110-SB02	BF141350.D	31 Jan 2025 23:37		RC/JU	Ok
34	Q1194-04	B-113-SB02	BF141351.D	01 Feb 2025 00:03		RC/JU	Ok
35	Q1194-04MS	B-113-SB02MS	BF141352.D	01 Feb 2025 00:30		RC/JU	Ok,M
36	Q1194-04MSD	B-113-SB02MSD	BF141353.D	01 Feb 2025 00:57		RC/JU	Ok,M
37	Q1239-07	RBR22266	BF141354.D	01 Feb 2025 01:24		RC/JU	Ok,M

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF013125

Review By	Jagrut	Review On	2/3/2025 3:44:51 PM		
Supervise By	mohammad	Supervise On	2/4/2025 7:22:32 AM		
SubDirectory	BF013125	HP Acquire Method	BNA_F	HP Processing Method	bf012925
STD. NAME	STD REF.#				
Tune/Reschk	SP6717				
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673				
CCC	SP6676				
Internal Standard/PEM	S12649,10ul/1000ul sample				
ICV/I.BLK	SP6686				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

38	Q1239-04	348	BF141355.D	01 Feb 2025 01:51		RC/JU	Ok,M
39	Q1243-01	CL-01-01302025	BF141356.D	01 Feb 2025 02:17		RC/JU	Ok
40	Q1220-01	TR-06-01292025	BF141357.D	01 Feb 2025 02:44		RC/JU	Ok,M
41	Q1244-01	EO-02-01302025	BF141358.D	01 Feb 2025 03:11	Internal Standard Fail	RC/JU	Ok,M
42	Q1239-01	286	BF141359.D	01 Feb 2025 03:37		RC/JU	Ok,M

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF020325

Review By	Jagrut	Review On	2/4/2025 4:42:42 PM
Supervise By	mohammad	Supervise On	2/6/2025 8:40:16 AM
SubDirectory	BF020325	HP Acquire Method	BNA_F
		HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12649,10ul/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	BF141360.D	03 Feb 2025 09:53		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF141361.D	03 Feb 2025 11:24		RC/JU	Ok,M
3	PB166426BL	PB166426BL	BF141362.D	03 Feb 2025 11:51		RC/JU	Ok
4	PB166468BS	PB166468BS	BF141363.D	03 Feb 2025 12:18	Com#77(Benzidine) Failed in the calibration	RC/JU	Not Ok
5	PB166468BSD	PB166468BSD	BF141364.D	03 Feb 2025 12:44	Com#77(Benzidine) Failed in the calibration	RC/JU	Not Ok
6	PB166468BL	PB166468BL	BF141365.D	03 Feb 2025 13:10	Com#77(Benzidine) Failed in the calibration	RC/JU	Not Ok
7	Q1214-01	PARAMUS-CONDENS	BF141366.D	03 Feb 2025 13:41	Surrogate Fail,Com#77(Benzidine) Failed in the calibration	RC/JU	ReRun
8	Q1194-08	EB	BF141367.D	03 Feb 2025 14:08		RC/JU	Ok
9	Q1239-02	286	BF141368.D	03 Feb 2025 14:34		RC/JU	Ok
10	Q1239-05	348	BF141369.D	03 Feb 2025 15:00		RC/JU	Ok
11	Q1239-08	RBR22266	BF141370.D	03 Feb 2025 15:26		RC/JU	Ok
12	Q1239-11	357	BF141371.D	03 Feb 2025 15:52		RC/JU	Ok
13	DFTPP	DFTPP	BF141372.D	03 Feb 2025 16:43		RC/JU	Ok
14	SSTDCCC040	SSTDCCC040	BF141373.D	03 Feb 2025 17:14		RC/JU	Ok,M
15	PB166335BL	PB166335BL	BF141374.D	03 Feb 2025 17:41		RC/JU	Ok
16	Q1216-12	JPP-21.2-012825	BF141375.D	03 Feb 2025 18:12		RC/JU	Ok

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF020325

Review By	Jagrut	Review On	2/4/2025 4:42:42 PM		
Supervise By	mohammad	Supervise On	2/6/2025 8:40:16 AM		
SubDirectory	BF020325	HP Acquire Method	BNA_F	HP Processing Method	bf012925
STD. NAME		STD REF.#			
Tune/Reschk		SP6717			
Initial Calibration Stds		SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673			
CCC		SP6676			
Internal Standard/PEM		S12649,10ul/1000ul sample			
ICV/I.BLK		SP6686			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

17	Q1216-16	JPP-26.1-012825	BF141376.D	03 Feb 2025 18:38		RC/JU	Ok
18	Q1216-20	JPP-26.2-012825	BF141377.D	03 Feb 2025 19:04		RC/JU	Ok
19	Q1235-04	JPP-51.2-012925	BF141378.D	03 Feb 2025 19:31		RC/JU	Ok
20	Q1235-08	JPP-16.1-012925	BF141379.D	03 Feb 2025 19:57		RC/JU	Ok
21	Q1232-04	JPP-46.2-012925	BF141380.D	03 Feb 2025 20:24		RC/JU	Ok
22	Q1232-08	JPP-46.1-012925	BF141381.D	03 Feb 2025 20:51		RC/JU	Ok
23	Q1232-12	JPP-42.1-012925	BF141382.D	03 Feb 2025 21:17		RC/JU	Ok
24	Q1232-16	JPP-42.2-012925	BF141383.D	03 Feb 2025 21:44		RC/JU	Ok
25	Q1232-20	JPP-51.1-012925	BF141384.D	03 Feb 2025 22:11		RC/JU	Ok
26	Q1269-01	VNJ-231	BF141385.D	03 Feb 2025 22:37		RC/JU	Ok
27	Q1271-01	RBR200030	BF141386.D	03 Feb 2025 23:04		RC/JU	Ok
28	Q1271-01MS	RBR200030MS	BF141387.D	03 Feb 2025 23:30		RC/JU	Ok,M
29	Q1271-01MSD	RBR200030MSD	BF141388.D	03 Feb 2025 23:56		RC/JU	Ok,M
30	Q1262-01	ETGI-371	BF141389.D	04 Feb 2025 00:23	Need 5X Dilution	RC/JU	Dilution
31	Q1232-03	JPP-46.2-012925	BF141390.D	04 Feb 2025 00:49	Need 5X Dilution	RC/JU	Dilution
32	Q1216-19	JPP-26.2-012825	BF141391.D	04 Feb 2025 01:16		RC/JU	Ok,M
33	Q1216-11	JPP-21.2-012825	BF141392.D	04 Feb 2025 01:42	Internal Standard Fail	RC/JU	Ok,M
34	Q1219-01	LAW-25-0015	BF141393.D	04 Feb 2025 02:09	Internal Standard Fail	RC/JU	Ok
35	Q1261-01	CHRT-20430	BF141394.D	04 Feb 2025 02:35	Internal Standard Fail	RC/JU	Ok

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF020325

Review By	Jagrut	Review On	2/4/2025 4:42:42 PM		
Supervise By	mohammad	Supervise On	2/6/2025 8:40:16 AM		
SubDirectory	BF020325	HP Acquire Method	BNA_F	HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12649,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

36	Q1218-01	BELL-25-002	BF141395.D	04 Feb 2025 03:01	Internal Standard Fail	RC/JU	Ok
37	Q1254-01	OK-02-01312025	BF141396.D	04 Feb 2025 03:28		RC/JU	Ok,M

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF020425

Review By	yogesh	Review On	2/5/2025 9:10:01 AM
Supervise By	mohammad	Supervise On	2/5/2025 9:47:32 AM
SubDirectory	BF020425	HP Acquire Method	BNA_F
		HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12650,10ul/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	BF141397.D	04 Feb 2025 10:16		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF141398.D	04 Feb 2025 10:42		RC/JU	Ok,M
3	PB166483BL	PB166483BL	BF141399.D	04 Feb 2025 11:08		RC/JU	Ok
4	PB166483BS	PB166483BS	BF141400.D	04 Feb 2025 11:35		RC/JU	Ok,M
5	PB166423TB	PB166423TB	BF141401.D	04 Feb 2025 12:02		RC/JU	Ok
6	PB166465BS	PB166465BS	BF141402.D	04 Feb 2025 12:28		RC/JU	Ok,M
7	PB166465BL	PB166465BL	BF141403.D	04 Feb 2025 12:54		RC/JU	Ok
8	PB166360BL	PB166360BL	BF141404.D	04 Feb 2025 13:21		RC/JU	Ok
9	PB166360BS	PB166360BS	BF141405.D	04 Feb 2025 13:47		RC/JU	Ok,M
10	PB166356TB	PB166356TB	BF141406.D	04 Feb 2025 14:13		RC/JU	Ok
11	PB166426BS	PB166426BS	BF141407.D	04 Feb 2025 14:39		RC/JU	Ok,M
12	PB166294BL	PB166294BL	BF141408.D	04 Feb 2025 15:06		RC/JU	Ok
13	DFTPP	DFTPP	BF141409.D	04 Feb 2025 15:32		RC/JU	Ok
14	SSTDCCC040	SSTDCCC040	BF141410.D	04 Feb 2025 15:58		RC/JU	Ok,M
15	PB166525BL	PB166525BL	BF141411.D	04 Feb 2025 16:24		RC/JU	Ok
16	Q1262-03	CONCRETE-PAD	BF141412.D	04 Feb 2025 16:56		RC/JU	Ok
17	Q1239-02MS	286MS	BF141413.D	04 Feb 2025 17:22		RC/JU	Ok,M
18	Q1239-02MSD	286MSD	BF141414.D	04 Feb 2025 17:49		RC/JU	Ok,M

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF020425

Review By	yogesh	Review On	2/5/2025 9:10:01 AM		
Supervise By	mohammad	Supervise On	2/5/2025 9:47:32 AM		
SubDirectory	BF020425	HP Acquire Method	BNA_F	HP Processing Method	bf012925
STD. NAME		STD REF.#			
Tune/Reschk		SP6717			
Initial Calibration Stds		SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673			
CCC		SP6676			
Internal Standard/PEM		S12650,10ul/1000ul sample			
ICV/I.BLK		SP6686			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

19	Q1241-08	JPP-5.3-013025	BF141415.D	04 Feb 2025 18:15		RC/JU	Ok
20	Q1241-12	JPP-5.2-013025	BF141416.D	04 Feb 2025 18:41		RC/JU	Ok,M
21	Q1241-16	JPP-5.4-013025	BF141417.D	04 Feb 2025 19:07		RC/JU	Ok
22	Q1241-20	JPP-5.1.4-013025	BF141418.D	04 Feb 2025 19:34		RC/JU	Ok
23	Q1242-04	JPP-6.2-013025	BF141419.D	04 Feb 2025 20:00		RC/JU	Ok
24	Q1241-04	JPP-3.5-013025	BF141420.D	04 Feb 2025 20:26		RC/JU	Ok
25	Q1216-08	JPP-21.1-012825	BF141421.D	04 Feb 2025 20:52		RC/JU	Ok
26	Q1206-04	JPP-20.1-012725	BF141422.D	04 Feb 2025 21:19		RC/JU	Ok
27	Q1206-08	JPP-16.3-012725	BF141423.D	04 Feb 2025 21:45		RC/JU	Ok
28	Q1194-03	B-113-SB01	BF141424.D	04 Feb 2025 22:11		RC/JU	Ok,M
29	Q1262-01DL	ETGI-371DL	BF141425.D	04 Feb 2025 22:38		RC/JU	Ok,M
30	Q1232-03DL	JPP-46.2-012925DL	BF141426.D	04 Feb 2025 23:04		RC/JU	Ok,M
31	Q1280-01	72-11984	BF141427.D	04 Feb 2025 23:30		RC/JU	Ok,M
32	Q1280-01MS	72-11984MS	BF141428.D	04 Feb 2025 23:56		RC/JU	Ok,M
33	Q1280-01MSD	72-11984MSD	BF141429.D	05 Feb 2025 00:22		RC/JU	Ok,M
34	Q1276-01	TR-05-020325	BF141430.D	05 Feb 2025 00:48		RC/JU	Ok,M
35	Q1277-02	RT 3249	BF141431.D	05 Feb 2025 01:15		RC/JU	Ok
36	Q1281-01	OR-02--2-03-2025	BF141432.D	05 Feb 2025 01:41		RC/JU	Ok,M
37	Q1241-07	JPP-5.3-013025	BF141433.D	05 Feb 2025 02:07		RC/JU	Ok,M

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF020425

Review By	yogesh	Review On	2/5/2025 9:10:01 AM		
Supervise By	mohammad	Supervise On	2/5/2025 9:47:32 AM		
SubDirectory	BF020425	HP Acquire Method	BNA_F	HP Processing Method	bf012925
STD. NAME	STD REF.#				
Tune/Reschk	SP6717				
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673				
CCC	SP6676				
Internal Standard/PEM	S12650,10ul/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 # BF020525

Review By	yogesh	Review On	2/6/2025 7:45:47 AM
Supervise By	mohammad	Supervise On	2/6/2025 8:39:24 AM
SubDirectory	BF020525	HP Acquire Method	BNA_F
		HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12650,10ul/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	BF141434.D	05 Feb 2025 09:36		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF141435.D	05 Feb 2025 10:02		RC/JU	Ok,M
3	PB166264BL	PB166264BL	BF141436.D	05 Feb 2025 10:28		RC/JU	Ok
4	PB166264BS	PB166264BS	BF141437.D	05 Feb 2025 10:55		RC/JU	Ok,M
5	PB166211TB	PB166211TB	BF141438.D	05 Feb 2025 11:21		RC/JU	Ok
6	PB166294BS	PB166294BS	BF141439.D	05 Feb 2025 11:47		RC/JU	Ok,M
7	PB166418BL	PB166418BL	BF141440.D	05 Feb 2025 12:13		RC/JU	Ok
8	PB166418BS	PB166418BS	BF141441.D	05 Feb 2025 12:39		RC/JU	Ok,M
9	PB166339BS	PB166339BS	BF141442.D	05 Feb 2025 13:05		RC/JU	Ok,M
10	PB166339BSD	PB166339BSD	BF141443.D	05 Feb 2025 13:31		RC/JU	Ok,M
11	PB166525BS	PB166525BS	BF141444.D	05 Feb 2025 13:58		RC/JU	Ok,M
12	PB166354BS	PB166354BS	BF141445.D	05 Feb 2025 14:24		RC/JU	Ok,M
13	DFTPP	DFTPP	BF141446.D	05 Feb 2025 14:50		RC/JU	Ok
14	SSTDCCC040	SSTDCCC040	BF141447.D	05 Feb 2025 15:16		RC/JU	Ok,M
15	PB166318TB	PB166318TB	BF141448.D	05 Feb 2025 15:43		RC/JU	Ok
16	Q1215-04	JPP-29.1-012825	BF141449.D	05 Feb 2025 16:16		RC/JU	Ok
17	Q1215-08	JPP-29.2-012825	BF141450.D	05 Feb 2025 16:42		RC/JU	Ok
18	Q1282-01	SW-WTS-02	BF141451.D	05 Feb 2025 17:08		RC/JU	Ok

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF020525

Review By	yogesh	Review On	2/6/2025 7:45:47 AM		
Supervise By	mohammad	Supervise On	2/6/2025 8:39:24 AM		
SubDirectory	BF020525	HP Acquire Method	BNA_F	HP Processing Method	bf012925
STD. NAME	STD REF.#				
Tune/Reschk	SP6717				
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673				
CCC	SP6676				
Internal Standard/PEM	S12650,10ul/1000ul sample				
ICV/I.BLK	SP6686				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

19	Q1207-04	JPP-2.1-012725	BF141452.D	05 Feb 2025 17:35		RC/JU	Ok
20	Q1207-08	JPP-5.1-012725	BF141453.D	05 Feb 2025 18:01		RC/JU	Ok
21	Q1207-20	JPP-20.2-012725	BF141454.D	05 Feb 2025 18:27		RC/JU	Ok
22	Q1207-12	JPP-4.5-012725	BF141455.D	05 Feb 2025 18:54		RC/JU	Ok
23	Q1207-16	JPP-16.2-012725	BF141456.D	05 Feb 2025 19:20		RC/JU	Ok
24	Q1280-02	72-11984	BF141457.D	05 Feb 2025 19:46		RC/JU	Ok
25	Q1280-02MS	72-11984MS	BF141458.D	05 Feb 2025 20:12		RC/JU	Ok,M
26	Q1280-02MSD	72-11984MSD	BF141459.D	05 Feb 2025 20:38		RC/JU	Ok,M
27	Q1207-19	JPP-20.2-012725	BF141460.D	05 Feb 2025 21:05		RC/JU	Ok,M
28	Q1206-03	JPP-20.1-012725	BF141461.D	05 Feb 2025 21:31	Need 2X Dilution	RC/JU	Dilution
29	Q1207-03	JPP-2.1-012725	BF141462.D	05 Feb 2025 21:57		RC/JU	Ok,M
30	Q1207-11	JPP-4.5-012725	BF141463.D	05 Feb 2025 22:23		RC/JU	Ok,M
31	Q1207-07	JPP-5.1-012725	BF141464.D	05 Feb 2025 22:49		RC/JU	Ok,M
32	Q1207-15	JPP-16.2-012725	BF141465.D	05 Feb 2025 23:15		RC/JU	Ok,M
33	Q1206-07	JPP-16.3-012725	BF141466.D	05 Feb 2025 23:41		RC/JU	Ok,M
34	Q1284-01	SU-03-2-4-2025	BF141467.D	06 Feb 2025 00:07		RC/JU	Ok
35	Q1286-01	NB-07-020425	BF141468.D	06 Feb 2025 00:33	Internal Standard Fail	RC/JU	Ok
36	Q1288-04	HR-04-020425	BF141469.D	06 Feb 2025 00:59		RC/JU	Ok,M
37	Q1285-01	72-11977	BF141470.D	06 Feb 2025 01:26	Need Further 10X Dilution.	RC/JU	Dilution

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF020525

Review By	yogesh	Review On	2/6/2025 7:45:47 AM		
Supervise By	mohammad	Supervise On	2/6/2025 8:39:24 AM		
SubDirectory	BF020525	HP Acquire Method	BNA_F	HP Processing Method	bf012925
STD. NAME	STD REF.#				
Tune/Reschk	SP6717				
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673				
CCC	SP6676				
Internal Standard/PEM	S12650,10ul/1000ul sample				
ICV/I.BLK	SP6686				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

M : Manual Integration



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 1/28/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 16:30
In Date: 01/27/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:10
Out Date: 01/28/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB134424

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
Q1194-01	B-110-SB01	1	1.15	8.82	9.97	8.94	88.3	
Q1194-02	B-110-SB02	2	1.19	8.59	9.78	6.09	57.0	
Q1194-03	B-113-SB01	3	1.17	8.41	9.58	8.48	86.9	
Q1194-04	B-113-SB02	4	1.15	8.84	9.99	6.87	64.7	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

134424

WorkList Name : %1-012725

WorkList ID : 187156

Department : Wet-Chemistry

Date : 01-27-2025 07:59:22

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1194-01	B-110-SB01	Solid	Percent Solids	Cool 4 deg C	PORT06	N41	01/25/2025	Chemtech -SO
Q1194-02	B-110-SB02	Solid	Percent Solids	Cool 4 deg C	PORT06	N41	01/25/2025	Chemtech -SO
Q1194-03	B-113-SB01	Solid	Percent Solids	Cool 4 deg C	PORT06	N41	01/25/2025	Chemtech -SO
Q1194-04	B-113-SB02	Solid	Percent Solids	Cool 4 deg C	PORT06	N41	01/25/2025	Chemtech -SO

Date/Time 01/27/25 15:00
Raw Sample Received by: J8 WJC,
Raw Sample Relinquished by: CFSM

Date/Time 01/27/25 17:00
Raw Sample Received by: CFSM
Raw Sample Relinquished by: CFSM

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: N/A

Extraction Start Date : 01/28/2025

Matrix : Solid

Extraction Start Time : 09:56

Weigh By: EH

Extraction By: RJ

Extraction End Date : 01/28/2025

Balance check: RJ

Filter By: RJ

Extraction End Time : 12:55

Balance ID: EX-SC-2

pH Meter ID: N/A

Concentration By: EH

pH Strip Lot#: N/A

Hood ID: 3,7

Supervisor By : rajesh

Extraction Method: ☐ Separatory Funnel ☐ Continuous 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	EP2578
Baked Na2SO4	N/A	EP2580
Methylene Chloride	N/A	E3871
Sand	N/A	E2865
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5 ML Vial lot # 2210673.

KD Bath ID: N/A

Envap ID: NEVAP-02

KD Bath Temperature: N/A

Envap Temperature: 40 °C

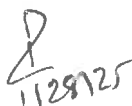
Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
01/28/25	RJ (Ext 216)	Rajesh
13:00	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 01/28/2025

Sample ID	Client Sample ID	Test	g/mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB166294BL	SBLK294	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1			U6-1
PB166294BS	SLCS294	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1			2
Q1194-01	B-110-SB01	SVOC-TCL BNA -20	30.07	N/A	ritesh	Evelyn	1	E		3
Q1194-02	B-110-SB02	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1	E		4
Q1194-03	B-113-SB01	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1	E		5
Q1194-04	B-113-SB02	SVOC-TCL BNA -20	30.05	N/A	ritesh	Evelyn	1	E		6
Q1194-04MS	B-113-SB02MS	SVOC-TCL BNA -20	30.04	N/A	ritesh	Evelyn	1	E		U4-1
Q1194-04MS D	B-113-SB02MSD	SVOC-TCL BNA -20	30.06	N/A	ritesh	Evelyn	1	E		2

* Extracts relinquished on the same date as received.



WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1194S WorkList ID : 187201 Department : Extraction Date : 01-28-2025 08:32:53

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1194-01	B-110-SB01	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	N41	01/25/2025	8270E
Q1194-02	B-110-SB02	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	N41	01/25/2025	8270E
Q1194-03	B-113-SB01	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	N41	01/25/2025	8270E
Q1194-04	B-113-SB02	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	N41	01/25/2025	8270E

Date/Time 01/28/25 9:10
Raw Sample Received by: RJ (Per Log)
Raw Sample Relinquished by: JDCSM

Date/Time 01/28/25 10:15
Raw Sample Received by: JDCSM
Raw Sample Relinquished by: RJ (Per Log)

SOP ID:	M3510C,3580A-Extraction SVOC-20		
Clean Up SOP #:	N/A	Extraction Start Date :	01/29/2025
Matrix :	Water	Extraction Start Time :	08:40
Weigh By:	N/A	Extraction By:	RS
Balance check:	N/A	Filter By:	RS
Balance ID:	N/A	pH Meter ID:	N/A
pH Strip Lot#:	E3574	Hood ID:	4,6,7
Extraction Method:	☒ Separatory Funnel	☐ Continuous Liquid/Liquid	☐ Sonication
		☐ Waste Dilution	☐ Soxhlet
		Extraction End Date :	01/29/2025
		Extraction End Time :	13:40
		Concentration By:	EH
		Supervisor By :	rajesh

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
LOD	1.0ML	N/A	SP6706
LOD	1.0ML	N/A	SP6708
LOQ	1.0ML	N/A	SP6707/6709

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3871
Baked Na2SO4	N/A	EP2580
10N NaOH	N/A	EP2559
H2SO4 1:1	N/A	EP2565
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5 ML Vial lot# 2210673. p H Adjusted<2 with 1:1 H2SO4 &>11 with 10N NaOH. Q1194-08 Limited volume recd.

KD Bath ID:	Water bath -01,02	Envap ID:	NEVAP-02
KD Bath Temperature:	60 °C	Envap Temperature:	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
01/29/25 13:45	RP (Ext Lab)	ACISVOC
	Preparation Group	Analysis Group

Analytical Method: M3510C,3580A-Extraction SVOC-20

Concentration Date: 01/29/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB166339BL	SBLK339	SVOC-TCL BNA -20	1000	6	RUPESH	rajesh	1			SEP-01
PB166339BS	SLCS339	SVOC-TCL BNA -20	1000	6	RUPESH	rajesh	1			2
PB166339BS D	SLCSD339	SVOC-TCL BNA -20	1000	6	RUPESH	rajesh	1			3
Q1168-07	LOD-MDL-WATER-01-QT1 -2025 <i>APPM</i>	SVOC-Chemtec h Full -25	1000	6	RUPESH	rajesh	1			4
Q1168-08	LOQ-WATER-02-QT1-202 5	SVOC-Chemtec h Full -25	1000	6	RUPESH	rajesh	1			5
Q1194-08	EB	SVOC-TCL BNA -20	500	6	RUPESH	rajesh	0.5	D		6

8
1/29/25

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1168E WorkList ID : 187244 Department : Extraction Date : 01-29-2025 08:28:59

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1168-03	MDL-SOIL-03-QT1-2025	Solid	EPH	Cool 4 deg C	CHEM02	QA Of	01/23/2025	NJEPH
Q1168-07	LOD-MDL-WATER-01-QT1-202	Water	SVOC-Chemtech Full -25	Cool 4 deg C	CHEM02	QA Of	01/23/2025	8270E
Q1168-08	LOQ-WATER-02-QT1-2025	Water	SVOC-Chemtech Full -25	Cool 4 deg C	CHEM02	QA Of	01/23/2025	8270E
Q1168-09	MDL-WATER-03-QT1-2025	Water	EPH	1:1 HCl to pH < 2	CHEM02	QA Of	01/23/2025	NJEPH

Date/Time 01/29/25 8:40
 Raw Sample Received by: R. (Signature)
 Raw Sample Relinquished by: CP (Signature)

Date/Time 01/29/25 9:05
 Raw Sample Received by: CP (Signature)
 Raw Sample Relinquished by: R. (Signature)

WORKLIST(Hardcopy Internal Chain)

WorkList Name : q1194sv WorkList ID : 187251 Department : Extraction Date : 01-29-2025 08:40:09

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1194-08	EB	Water	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	N41	01/25/2025	8270E

Date/Time 01/29/25 8:40
Raw Sample Received by: RS (Ept 187)
Raw Sample Relinquished by: AP Sm

Date/Time 01/29/25 8:55
Raw Sample Received by: CP Sm
Raw Sample Relinquished by: RS (Ept 187)



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 2041522

Q1194

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: Gannett Fleming
ADDRESS: 1010 Abrams Ave
CITY: Audubon STATE: PA ZIP: 19403
ATTENTION:
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Amtrak Replacement of SB
PROJECT NO.: 950000878 LOCATION: Kearny, NJ
PROJECT MANAGER: Joe Krupansky
e-mail: QAQC@bemsys.com
PHONE: 610-310-8342 FAX:

CLIENT BILLING INFORMATION

BILL TO: Chemtech PO#: 284 Sheffield St
ADDRESS: 284 Sheffield St
CITY: Mountainside STATE: NJ ZIP: 07092
ATTENTION: Samantha Beasley PHONE: 908-728-3148

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

TCL VOCs+10
TCL PAH
TCL Metals
EPA
Cr(VI)
Cd(VI)

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	Specify Preservatives A-HCl B-HNO3 C-H2SO4 D-NaOH E-ICE F-OTHER	
1.	B-110-SB01	S	X		1/25/25	11:33	7	X	X	X	X	X	X					
2.	B-110-SB02	S	X		1/25/25	13:58	7	X	X	X	X	X	X					
3.	B-113-SB01	S	X		1/25/25	11:52	7	X	X	X	X	X	X					
4.	B-113-SB02	S	X		1/25/25	14:44	7	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 C	DATE/TIME: 1-25-25 16:22	RECEIVED BY: 1. [Signature] 1-27-25 0700	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.1°C
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.	Comments:
RELINQUISHED BY SAMPLER: 3.	DATE/TIME:	RECEIVED BY: 3.	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 : Q1194 PORT06

Order Date : 1/27/2025 9:35:00 AM

Project Mgr :

Client Name : Portal Partners Tri-Venture

Project Name : Amtrak Sawtooth Bridges 2

Report Type : NJ Reduced

Client-Contact : Joseph Krupansky

Receive DateTime : 1/27/2025 7:00:00 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
Q1194-01	B-110-SB01	Solid	01/25/2025	11:33	VOC-TCLVOA-10		8260D		10 Bus. Days
Q1194-02	B-110-SB02	Solid	01/25/2025	13:58	VOC-TCLVOA-10		8260D		10 Bus. Days
Q1194-03	B-113-SB01	Solid	01/25/2025	11:52	VOC-TCLVOA-10		8260D		10 Bus. Days
Q1194-04	B-113-SB02	Solid	01/25/2025	14:44	VOC-TCLVOA-10		8260D		10 Bus. Days
~~Q1194-08~~	~~EB~~	~~Water~~	~~01/25/2025~~	~~00:00~~	~~VOC-TCLVOA-10~~		~~8260-Low~~		~~10 Bus. Days~~
Q1194-09	FB	Water	01/25/2025	00:00	VOC-TCLVOA-10		8260-Low		10 Bus. Days
Q1194-10	TB	Water	01/25/2025	00:00	VOC-TCLVOA-10		8260-Low		10 Bus. Days

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1194	PORT06	Order Date : 1/27/2025 9:35:00 AM	Project Mgr :
Client Name : Portal Partners Tri-Venture		Project Name : Amtrak Sawtooth Bridges 2	Report Type : NJ Reduced
Client Contact : Joseph Krupansky		Receive DateTime : 1/27/2025 7:00:00 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

Relinquished By :

[Signature]

Date / Time :

1/27/25 11:20

Received By :

[Signature]

Date / Time :

01/27/25 11:20

Storage Area : VOA Refridgerator Room

[Handwritten notes: Ref #6, Ref #2, Ref #5]