

Cover Page

Order ID : P4385

Project ID : Robbinsville

Client : Scheideler Excavating Co. Inc.

Lab Sample Number

P4385-01
P4385-02
P4385-03
P4385-04
P4385-05
P4385-06
P4385-07
P4385-08
P4385-09
P4385-10
P4385-11
P4385-12
P4385-13
P4385-14
P4385-15
P4385-16
P4385-17
P4385-18
P4385-19
P4385-20

Client Sample Number

SP-1
SP-1
SP-2
SP-2
SP-3
SP-3
SP-4
SP-4
SP-5
SP-5
SP-6
SP-6
SP-7
SP-7
SP-8
SP-8
SP-9
SP-9
SP-10
SP-10

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: 10/22/2024

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 #: P4385

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: KETAN PATEL

Date: 10/22/2024

LAB CHRONICLE

OrderID:	P4385	OrderDate:	10/10/2024 2:00:00 PM
Client:	Scheideler Excavating Co. Inc.	Project:	Robbinsville
Contact:	Jim Scheideler	Location:	K51,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4385-02	SP-1	SOIL	SVOC-TCL BNA -20	8270E	10/10/24	10/11/24	10/22/24	10/10/24
P4385-04	SP-2	SOIL	SVOC-TCL BNA -20	8270E	10/10/24	10/11/24	10/22/24	10/10/24
P4385-06	SP-3	SOIL	SVOC-TCL BNA -20	8270E	10/10/24	10/11/24	10/22/24	10/10/24
P4385-08	SP-4	SOIL	SVOC-TCL BNA -20	8270E	10/10/24	10/11/24	10/22/24	10/10/24
P4385-10	SP-5	SOIL	SVOC-TCL BNA -20	8270E	10/10/24	10/11/24	10/23/24	10/10/24
P4385-12	SP-6	SOIL	SVOC-TCL BNA -20	8270E	10/10/24	10/11/24	10/23/24	10/10/24
P4385-14	SP-7	SOIL	SVOC-TCL BNA -20	8270E	10/10/24	10/11/24	10/24/24	10/10/24
P4385-16	SP-8	SOIL	SVOC-TCL BNA -20	8270E	10/10/24	10/11/24	10/22/24	10/10/24
P4385-18	SP-9	SOIL	SVOC-TCL BNA -20	8270E	10/10/24	10/11/24	10/22/24	10/10/24
P4385-20	SP-10	SOIL	SVOC-TCL BNA -20	8270E	10/10/24	10/11/24	10/23/24	10/10/24

Hit Summary Sheet SW-846

SDG No.: P4385

Client: Scheideler Excavating Co. Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : SP-1								
P4385-02	SP-1	SOIL	.beta.-Sitosterol	*	210.000	J 0	0	ug/Kg
P4385-02	SP-1	SOIL	1-Heneicosanol	*	230.000	J 0	0	ug/Kg
P4385-02	SP-1	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	190.000	AB 0	0	ug/Kg
P4385-02	SP-1	SOIL	5-Eicosene, (E)-	*	300.000	J 0	0	ug/Kg
P4385-02	SP-1	SOIL	Behenic alcohol	*	110.000	J 0	0	ug/Kg
P4385-02	SP-1	SOIL	Benzophenone	*	570.000	J 0	0	ug/Kg
P4385-02	SP-1	SOIL	Butane, 2-methoxy-2-methyl-	*	2,800.000	JB 0	0	ug/Kg
P4385-02	SP-1	SOIL	Eicosane	*	80.900	J 0	0	ug/Kg
P4385-02	SP-1	SOIL	Hexacosane	*	230.000	J 0	0	ug/Kg
P4385-02	SP-1	SOIL	Methanone, (1-hydroxycyclohexy	*	120.000	J 0	0	ug/Kg
P4385-02	SP-1	SOIL	n-Hexadecanoic acid	*	240.000	J 0	0	ug/Kg
P4385-02	SP-1	SOIL	Octadecanal	*	81.300	J 0	0	ug/Kg
P4385-02	SP-1	SOIL	Oxalic acid, isobutyl heptadecyl e	*	77.400	J 0	0	ug/Kg
P4385-02	SP-1	SOIL	Oxirane, hexadecyl-	*	110.000	J 0	0	ug/Kg
P4385-02	SP-1	SOIL	Stigmasterol	*	140.000	J 0	0	ug/Kg

Total Tics : 5,489.60

Total Concentration: 5,489.60

Client ID : SP-2

P4385-04	SP-2	SOIL	.gamma.-Sitosterol	*	280.000	J 0	0	ug/Kg
P4385-04	SP-2	SOIL	1-Heneicosanol	*	240.000	J 0	0	ug/Kg
P4385-04	SP-2	SOIL	1-Heptacosanol	*	290.000	J 0	0	ug/Kg
P4385-04	SP-2	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	140.000	AB 0	0	ug/Kg
P4385-04	SP-2	SOIL	Benzophenone	*	460.000	J 0	0	ug/Kg
P4385-04	SP-2	SOIL	Butane, 2-methoxy-2-methyl-	*	2,200.000	JB 0	0	ug/Kg
P4385-04	SP-2	SOIL	Carbonic acid, octadecyl prop-1-e	*	90.700	J 0	0	ug/Kg
P4385-04	SP-2	SOIL	Hexacosane	*	81.200	J 0	0	ug/Kg
P4385-04	SP-2	SOIL	Methanone, (1-hydroxycyclohexy	*	97.700	J 0	0	ug/Kg
P4385-04	SP-2	SOIL	Octacosanol	*	75.300	J 0	0	ug/Kg
P4385-04	SP-2	SOIL	Octadecanal	*	150.000	J 0	0	ug/Kg
P4385-04	SP-2	SOIL	Oxirane, heptadecyl-	*	75.600	J 0	0	ug/Kg
P4385-04	SP-2	SOIL	Oxirane, hexadecyl-	*	97.300	J 0	0	ug/Kg
P4385-04	SP-2	SOIL	Tetratetracontane	*	210.000	J 0	0	ug/Kg
P4385-04	SP-2	SOIL	unknown17.221	*	170.000	J 0	0	ug/Kg

Total Tics : 4,657.80

Total Concentration: 4,657.80

Client ID : SP-3

Hit Summary Sheet SW-846

SDG No.: P4385

Client: Scheideler Excavating Co. Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P4385-06	SP-3	SOIL	.gamma.-Sitosterol	*	360.000	J 0	0	ug/Kg
P4385-06	SP-3	SOIL	1,3-Propanediol, 2-dodecyl	*	91.200	J 0	0	ug/Kg
P4385-06	SP-3	SOIL	1-Heneicosanol	*	360.000	J 0	0	ug/Kg
P4385-06	SP-3	SOIL	1-Octadecene	*	98.300	J 0	0	ug/Kg
P4385-06	SP-3	SOIL	22-Stigmasten-3-one	*	250.000	J 0	0	ug/Kg
P4385-06	SP-3	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	280.000	AB 0	0	ug/Kg
P4385-06	SP-3	SOIL	3-Penten-2-one, 4-methyl-	*	160.000	A 0	0	ug/Kg
P4385-06	SP-3	SOIL	Behenic alcohol	*	130.000	J 0	0	ug/Kg
P4385-06	SP-3	SOIL	Benzophenone	*	510.000	J 0	0	ug/Kg
P4385-06	SP-3	SOIL	Butane, 2-methoxy-2-methyl-	*	3,500.000	JB 0	0	ug/Kg
P4385-06	SP-3	SOIL	Heptadecane	*	140.000	J 0	0	ug/Kg
P4385-06	SP-3	SOIL	Hexacosane	*	140.000	J 0	0	ug/Kg
P4385-06	SP-3	SOIL	Methanone, (1-hydroxycyclohexy	*	100.000	J 0	0	ug/Kg
P4385-06	SP-3	SOIL	Octacosanol	*	410.000	J 0	0	ug/Kg
P4385-06	SP-3	SOIL	Octadecanal	*	140.000	J 0	0	ug/Kg
P4385-06	SP-3	SOIL	Oxirane, hexadecyl-	*	120.000	J 0	0	ug/Kg
P4385-06	SP-3	SOIL	Pentanedioic acid, dimethyl ester	*	82.000	J 0	0	ug/Kg
P4385-06	SP-3	SOIL	Tetracosanal	*	200.000	J 0	0	ug/Kg
P4385-06	SP-3	SOIL	Tetracosane	*	290.000	J 0	0	ug/Kg

Total Tics : **7,361.50**

Total Concentration: **7,361.50**

Client ID : **SP-4**

P4385-08	SP-4	SOIL	1-Heneicosanol	*	170.000	J 0	0	ug/Kg
P4385-08	SP-4	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	160.000	AB 0	0	ug/Kg
P4385-08	SP-4	SOIL	Butane, 2-methoxy-2-methyl-	*	2,200.000	JB 0	0	ug/Kg

Total Tics : **2,530.00**

Total Concentration: **2,530.00**

Client ID : **SP-5**

P4385-10	SP-5	SOIL	n-Hexadecanoic acid	*	370.000	J 0	0	ug/Kg
P4385-10	SP-5	SOIL	Octadecanoic acid	*	72.400	J 0	0	ug/Kg
P4385-10	SP-5	SOIL	Pentacosane	*	350.000	J 0	0	ug/Kg
P4385-10	SP-5	SOIL	Tricosane	*	320.000	J 0	0	ug/Kg
P4385-10	SP-5	SOIL	1-Tricosene	*	200.000	J 0	0	ug/Kg
P4385-10	SP-5	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	180.000	AB 0	0	ug/Kg
P4385-10	SP-5	SOIL	9-Tricosene, (Z)-	*	320.000	J 0	0	ug/Kg
P4385-10	SP-5	SOIL	Benzophenone	*	120.000	J 0	0	ug/Kg
P4385-10	SP-5	SOIL	Butane, 2-methoxy-2-methyl-	*	2,500.000	JB 0	0	ug/Kg
P4385-10	SP-5	SOIL	Carbonic acid, octadecyl prop-1-e	*	81.300	J 0	0	ug/Kg

Total Tics : **4,513.70**

Hit Summary Sheet SW-846

SDG No.: P4385

Client: Scheideler Excavating Co. Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Total Concentration:				4,513.70				
Client ID : SP-6								
P4385-12	SP-6	SOIL	1-Hexacosene	*	280.000	J 0	0	ug/Kg
P4385-12	SP-6	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	210.000	AB 0	0	ug/Kg
P4385-12	SP-6	SOIL	Benzophenone	*	130.000	J 0	0	ug/Kg
P4385-12	SP-6	SOIL	Butane, 2-methoxy-2-methyl-	*	2,900.000	JB 0	0	ug/Kg
P4385-12	SP-6	SOIL	Heptadecane	*	82.200	J 0	0	ug/Kg
P4385-12	SP-6	SOIL	n-Hexadecanoic acid	*	340.000	J 0	0	ug/Kg
P4385-12	SP-6	SOIL	Octadecane	*	74.700	J 0	0	ug/Kg
P4385-12	SP-6	SOIL	Supraene	*	91.800	J 0	0	ug/Kg
Total Tics :				4,108.70				
Total Concentration:				4,108.70				
Client ID : SP-7								
P4385-14	SP-7	SOIL	Fluoranthene		89.100	J 86.9	180	ug/Kg
Total Svoc :				89.10				
P4385-14	SP-7	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	160.000	AB 0	0	ug/Kg
P4385-14	SP-7	SOIL	Benzophenone	*	110.000	J 0	0	ug/Kg
P4385-14	SP-7	SOIL	Butane, 2-methoxy-2-methyl-	*	2,100.000	JB 0	0	ug/Kg
P4385-14	SP-7	SOIL	Cyclopentadecane	*	200.000	J 0	0	ug/Kg
P4385-14	SP-7	SOIL	Germanicol	*	1,200.000	J 0	0	ug/Kg
P4385-14	SP-7	SOIL	Heneicosane	*	290.000	J 0	0	ug/Kg
P4385-14	SP-7	SOIL	n-Hexadecanoic acid	*	440.000	J 0	0	ug/Kg
P4385-14	SP-7	SOIL	Octadecanoic acid	*	100.000	J 0	0	ug/Kg
P4385-14	SP-7	SOIL	Oxirane, heptadecyl-	*	250.000	J 0	0	ug/Kg
P4385-14	SP-7	SOIL	Oxirane, hexadecyl-	*	360.000	J 0	0	ug/Kg
P4385-14	SP-7	SOIL	Pentacosane	*	330.000	J 0	0	ug/Kg
Total Tics :				5,540.00				
Total Concentration:				5,629.10				
Client ID : SP-8								
P4385-16	SP-8	SOIL	Fluoranthene		95.300	J 86.4	180	ug/Kg
Total Svoc :				95.30				
P4385-16	SP-8	SOIL	n-Hexadecanoic acid	*	480.000	J 0	0	ug/Kg
P4385-16	SP-8	SOIL	Octadecanal	*	110.000	J 0	0	ug/Kg
P4385-16	SP-8	SOIL	Octadecanoic acid	*	88.900	J 0	0	ug/Kg
P4385-16	SP-8	SOIL	Pentadecane, 8-hexyl-	*	180.000	J 0	0	ug/Kg
P4385-16	SP-8	SOIL	Pentanedioic acid, dimethyl ester	*	73.000	J 0	0	ug/Kg
P4385-16	SP-8	SOIL	Tetracosane	*	380.000	J 0	0	ug/Kg
P4385-16	SP-8	SOIL	1-Heneicosanol	*	210.000	J 0	0	ug/Kg
P4385-16	SP-8	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	190.000	AB 0	0	ug/Kg

Hit Summary Sheet SW-846

SDG No.: P4385

Client: Scheideler Excavating Co. Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P4385-16	SP-8	SOIL	9-Tricosene, (Z)-	* 390.000	J	0	0	ug/Kg
P4385-16	SP-8	SOIL	Benzophenone	* 140.000	J	0	0	ug/Kg
P4385-16	SP-8	SOIL	Butane, 2-methoxy-2-methyl-	* 2,500.000	JB	0	0	ug/Kg
P4385-16	SP-8	SOIL	Cyclohexadecane	* 140.000	J	0	0	ug/Kg
Total Tics :				4,881.90				
Total Concentration:				4,977.20				
Client ID : SP-9								
P4385-18	SP-9	SOIL	2-Pentanone, 4-hydroxy-4-methyl	* 120.000	AB	0	0	ug/Kg
P4385-18	SP-9	SOIL	5-Eicosene, (E)-	* 210.000	J	0	0	ug/Kg
P4385-18	SP-9	SOIL	Benzophenone	* 90.200	J	0	0	ug/Kg
P4385-18	SP-9	SOIL	Butane, 2-methoxy-2-methyl-	* 2,100.000	JB	0	0	ug/Kg
P4385-18	SP-9	SOIL	Heneicosane	* 99.500	J	0	0	ug/Kg
P4385-18	SP-9	SOIL	n-Hexadecanoic acid	* 190.000	J	0	0	ug/Kg
P4385-18	SP-9	SOIL	Nonadecane	* 140.000	J	0	0	ug/Kg
Total Tics :				2,949.70				
Total Concentration:				2,949.70				
Client ID : SP-10								
P4385-20	SP-10	SOIL	Fluoranthene	99.400	J	86.3	180	ug/Kg
Total Svoc :				99.40				
P4385-20	SP-10	SOIL	2-Pentanone, 4-hydroxy-4-methyl	* 210.000	AB	0	0	ug/Kg
P4385-20	SP-10	SOIL	Benzophenone	* 120.000	J	0	0	ug/Kg
P4385-20	SP-10	SOIL	Butane, 2-methoxy-2-methyl-	* 2,400.000	JB	0	0	ug/Kg
P4385-20	SP-10	SOIL	Cyclopentadecane	* 230.000	J	0	0	ug/Kg
P4385-20	SP-10	SOIL	n-Hexadecanoic acid	* 390.000	J	0	0	ug/Kg
P4385-20	SP-10	SOIL	Nonadecane	* 200.000	J	0	0	ug/Kg
P4385-20	SP-10	SOIL	Octadecanoic acid	* 85.600	J	0	0	ug/Kg
P4385-20	SP-10	SOIL	Oxirane, heptadecyl-	* 170.000	J	0	0	ug/Kg
P4385-20	SP-10	SOIL	Oxirane, hexadecyl-	* 130.000	J	0	0	ug/Kg
P4385-20	SP-10	SOIL	Tricosane, 2-methyl-	* 190.000	J	0	0	ug/Kg
Total Tics :				4,125.60				
Total Concentration:				4,225.00				



QC SUMMARY

Surrogate Summary

SW-846

SDG No.: P4385

Client: Scheideler Excavating Co. Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
P4385-02	SP-1	2-Fluorophenol	150	90.0	60		30 (18)	130 (112)
		Phenol-d6	150	89.6	60		30 (15)	130 (107)
		Nitrobenzene-d5	100	68.7	69		30 (18)	130 (107)
		2-Fluorobiphenyl	100	73.7	74		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	69.6	46		30 (10)	130 (116)
P4385-04	SP-2	Terphenyl-d14	100	52.0	52		30 (10)	130 (105)
		2-Fluorophenol	150	73.0	49		30 (18)	130 (112)
		Phenol-d6	150	71.0	47		30 (15)	130 (107)
		Nitrobenzene-d5	100	53.7	54		30 (18)	130 (107)
		2-Fluorobiphenyl	100	57.1	57		30 (20)	130 (109)
P4385-06	SP-3	2,4,6-Tribromophenol	150	47.4	32		30 (10)	130 (116)
		Terphenyl-d14	100	43.0	43		30 (10)	130 (105)
		2-Fluorophenol	150	112	75		30 (18)	130 (112)
		Phenol-d6	150	110	73		30 (15)	130 (107)
		Nitrobenzene-d5	100	83.2	83		30 (18)	130 (107)
P4385-06MS	SP-3MS	2-Fluorobiphenyl	100	85.9	86		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	81.8	55		30 (10)	130 (116)
		Terphenyl-d14	100	65.9	66		30 (10)	130 (105)
		2-Fluorophenol	150	115	77		30 (18)	130 (112)
		Phenol-d6	150	113	75		30 (15)	130 (107)
P4385-06MSD	SP-3MSD	Nitrobenzene-d5	100	86.1	86		30 (18)	130 (107)
		2-Fluorobiphenyl	100	83.1	83		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	122	81		30 (10)	130 (116)
		Terphenyl-d14	100	84.2	84		30 (10)	130 (105)
		2-Fluorophenol	150	117	78		30 (18)	130 (112)
P4385-08	SP-4	Phenol-d6	150	116	77		30 (15)	130 (107)
		Nitrobenzene-d5	100	87.2	87		30 (18)	130 (107)
		2-Fluorobiphenyl	100	83.0	83		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	123	82		30 (10)	130 (116)
		Terphenyl-d14	100	82.8	83		30 (10)	130 (105)
P4385-10	SP-5	2-Fluorophenol	150	82.5	55		30 (18)	130 (112)
		Phenol-d6	150	82.0	55		30 (15)	130 (107)
		Nitrobenzene-d5	100	62.6	63		30 (18)	130 (107)
		2-Fluorobiphenyl	100	65.4	65		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	40.2	27	*	30 (10)	130 (116)
P4385-12	SP-6	Terphenyl-d14	100	51.7	52		30 (10)	130 (105)
		2-Fluorophenol	150	84.1	56		30 (18)	130 (112)
		Phenol-d6	150	76.1	51		30 (15)	130 (107)
		Nitrobenzene-d5	100	65.3	65		30 (18)	130 (107)
		2-Fluorobiphenyl	100	70.1	70		30 (20)	130 (109)
P4385-14	SP-7	2,4,6-Tribromophenol	150	101	67		30 (10)	130 (116)
		Terphenyl-d14	100	54.7	55		30 (10)	130 (105)
		2-Fluorophenol	150	94.3	63		30 (18)	130 (112)
		Phenol-d6	150	86.4	58		30 (15)	130 (107)
		Nitrobenzene-d5	100	73.5	74		30 (18)	130 (107)
		2-Fluorobiphenyl	100	80.8	81		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	105	70		30 (10)	130 (116)
		Terphenyl-d14	100	57.4	57		30 (10)	130 (105)
		2-Fluorophenol	150	85.3	57		30 (18)	130 (112)
		Phenol-d6	150	80.0	53		30 (15)	130 (107)
		Nitrobenzene-d5	100	63.5	63		30 (18)	130 (107)

() = LABORATORY INHOUSE LIMIT

Surrogate Summary

SW-846

SDG No.: P4385

Client: Scheideler Excavating Co. Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
P4385-14	SP-7	2-Fluorobiphenyl	100	70.6	71		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	82.2	55		30 (10)	130 (116)
		Terphenyl-d14	100	47.9	48		30 (10)	130 (105)
P4385-16	SP-8	2-Fluorophenol	150	95.3	64		30 (18)	130 (112)
		Phenol-d6	150	86.2	57		30 (15)	130 (107)
		Nitrobenzene-d5	100	76.1	76		30 (18)	130 (107)
P4385-18	SP-9	2-Fluorobiphenyl	100	81.7	82		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	102	68		30 (10)	130 (116)
		Terphenyl-d14	100	56.6	57		30 (10)	130 (105)
P4385-20	SP-10	2-Fluorophenol	150	56.0	37		30 (18)	130 (112)
		Phenol-d6	150	51.0	34		30 (15)	130 (107)
		Nitrobenzene-d5	100	45.9	46		30 (18)	130 (107)
PB164071BL	PB164071BL	2-Fluorobiphenyl	100	48.2	48		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	60.7	40		30 (10)	130 (116)
		Terphenyl-d14	100	34.2	34		30 (10)	130 (105)
PB164071BS	PB164071BS	2-Fluorophenol	150	103	68		30 (18)	130 (112)
		Phenol-d6	150	96.6	64		30 (15)	130 (107)
		Nitrobenzene-d5	100	77.3	77		30 (18)	130 (107)
PB164071BL	PB164071BL	2-Fluorobiphenyl	100	82.9	83		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	97.6	65		30 (10)	130 (116)
		Terphenyl-d14	100	56.8	57		30 (10)	130 (105)
PB164071BS	PB164071BS	2-Fluorophenol	150	135	90		30 (18)	130 (112)
		Phenol-d6	150	132	88		30 (15)	130 (107)
		Nitrobenzene-d5	100	98.9	99		30 (18)	130 (107)
PB164071BL	PB164071BL	2-Fluorobiphenyl	100	93.6	94		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	150	100		30 (10)	130 (116)
		Terphenyl-d14	100	90.0	90		30 (10)	130 (105)
PB164071BS	PB164071BS	2-Fluorophenol	150	135	90		30 (18)	130 (112)
		Phenol-d6	150	132	88		30 (15)	130 (107)
		Nitrobenzene-d5	100	98.9	99		30 (18)	130 (107)
PB164071BL	PB164071BL	2-Fluorobiphenyl	100	93.3	93		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	154	103		30 (10)	130 (116)
		Terphenyl-d14	100	113	113		30 (10)	130 (105)

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4385

Client: Scheideler Excavating Co. Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	P4385-06MS	Client Sample ID:	SP-3MS					DataFile:	BF139902.D		
Benzaldehyde	1800	0	760	ug/Kg	42				20 (10)	160 (86)	
Phenol	1800	0	1900	ug/Kg	106				20 (67)	160 (126)	
bis(2-Chloroethyl)ether	1800	0	1800	ug/Kg	100				70 (54)	130 (125)	
2-Chlorophenol	1800	0	1900	ug/Kg	106				70 (79)	130 (107)	
2-Methylphenol	1800	0	1900	ug/Kg	106				70 (66)	130 (122)	
2,2-oxybis(1-Chloropropane)	1800	0	1800	ug/Kg	100				70 (65)	130 (110)	
Acetophenone	1800	0	1800	ug/Kg	100				70 (75)	130 (111)	
3+4-Methylphenols	1800	0	1800	ug/Kg	100				20 (66)	160 (104)	
N-Nitroso-di-n-propylamine	1800	0	1800	ug/Kg	100				70 (59)	130 (119)	
Hexachloroethane	1800	0	1800	ug/Kg	100				20 (65)	160 (117)	
Nitrobenzene	1800	0	1700	ug/Kg	94				70 (70)	130 (119)	
Isophorone	1800	0	1800	ug/Kg	100				70 (76)	130 (122)	
2-Nitrophenol	1800	0	2100	ug/Kg	117				70 (54)	130 (145)	
2,4-Dimethylphenol	1800	0	2000	ug/Kg	111				70 (44)	130 (135)	
bis(2-Chloroethoxy)methane	1800	0	1800	ug/Kg	100				70 (68)	130 (112)	
2,4-Dichlorophenol	1800	0	1800	ug/Kg	100				70 (72)	130 (118)	
Naphthalene	1800	0	1700	ug/Kg	94				70 (72)	130 (110)	
4-Chloroaniline	1800	0	370	ug/Kg	21	*			70 (10)	130 (91)	
Hexachlorobutadiene	1800	0	1700	ug/Kg	94				70 (66)	130 (114)	
Caprolactam	1800	0	1900	ug/Kg	106				20 (51)	160 (134)	
4-Chloro-3-methylphenol	1800	0	1800	ug/Kg	100				70 (57)	130 (132)	
2-Methylnaphthalene	1800	0	1800	ug/Kg	100				70 (59)	130 (123)	
Hexachlorocyclopentadiene	3500	0	5400	ug/Kg	154				20 (10)	160 (175)	
2,4,6-Trichlorophenol	1800	0	1900	ug/Kg	106				70 (72)	130 (117)	
2,4,5-Trichlorophenol	1800	0	1800	ug/Kg	100				70 (72)	130 (117)	
1,1-Biphenyl	1800	0	1800	ug/Kg	100				70 (75)	130 (113)	
2-Chloronaphthalene	1800	0	1800	ug/Kg	100				70 (67)	130 (118)	
2-Nitroaniline	1800	0	2000	ug/Kg	111				70 (69)	130 (127)	
Dimethylphthalate	1800	0	1900	ug/Kg	106				70 (70)	130 (113)	
Acenaphthylene	1800	0	1900	ug/Kg	106				70 (79)	130 (118)	
2,6-Dinitrotoluene	1800	0	1900	ug/Kg	106				70 (70)	130 (125)	
3-Nitroaniline	1800	0	1100	ug/Kg	61	*			70 (30)	130 (99)	
Acenaphthene	1800	0	2000	ug/Kg	111				70 (70)	130 (121)	
2,4-Dinitrophenol	3500	0	4200	ug/Kg	120				20 (10)	160 (155)	
4-Nitrophenol	3500	0	3600	ug/Kg	103				20 (45)	160 (133)	
Dibenzofuran	1800	0	1800	ug/Kg	100				70 (72)	130 (110)	
2,4-Dinitrotoluene	1800	0	2000	ug/Kg	111				70 (55)	130 (128)	
Diethylphthalate	1800	0	1800	ug/Kg	100				70 (70)	130 (112)	
4-Chlorophenyl-phenylether	1800	0	1700	ug/Kg	94				70 (71)	130 (108)	
Fluorene	1800	0	1700	ug/Kg	94				70 (68)	130 (116)	
4-Nitroaniline	1800	0	1800	ug/Kg	100				70 (55)	130 (120)	
4,6-Dinitro-2-methylphenol	1800	0	2400	ug/Kg	133	*			70 (10)	130 (160)	
N-Nitrosodiphenylamine	1800	0	1800	ug/Kg	100				70 (73)	130 (118)	
4-Bromophenyl-phenylether	1800	0	1900	ug/Kg	106				70 (65)	130 (121)	
Hexachlorobenzene	1800	0	1800	ug/Kg	100				70 (67)	130 (118)	
Atrazine	1800	0	2200	ug/Kg	122				70 (79)	130 (127)	

() = LABORATORY INHOUSE LIMIT

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4385

Client: Scheideler Excavating Co. Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Pentachlorophenol	3500	0	3400	ug/Kg	97				20 (47)	160 (128)	
Phenanthrene	1800	0	1800	ug/Kg	100				70 (52)	130 (128)	
Anthracene	1800	0	1800	ug/Kg	100				70 (62)	130 (124)	
Carbazole	1800	0	1700	ug/Kg	94				70 (59)	130 (119)	
Di-n-butylphthalate	1800	0	1800	ug/Kg	100				70 (69)	130 (118)	
Fluoranthene	1800	0	1700	ug/Kg	94				70 (44)	130 (125)	
Pyrene	1800	0	1700	ug/Kg	94				70 (26)	130 (142)	
Butylbenzylphthalate	1800	0	2200	ug/Kg	122				70 (64)	130 (126)	
3,3-Dichlorobenzidine	1800	0	970	ug/Kg	54	*			70 (33)	130 (116)	
Benzo(a)anthracene	1800	0	1900	ug/Kg	106				70 (71)	130 (114)	
Chrysene	1800	0	1900	ug/Kg	106				70 (57)	130 (121)	
bis(2-Ethylhexyl)phthalate	1800	0	2500	ug/Kg	139	*			70 (42)	130 (169)	
Di-n-octyl phthalate	1800	0	2300	ug/Kg	128				70 (23)	130 (175)	
Benzo(b)fluoranthene	1800	0	1900	ug/Kg	106				70 (67)	130 (121)	
Benzo(k)fluoranthene	1800	0	1700	ug/Kg	94				70 (57)	130 (134)	
Benzo(a)pyrene	1800	0	2000	ug/Kg	111				70 (70)	130 (142)	
Indeno(1,2,3-cd)pyrene	1800	0	1700	ug/Kg	94				70 (40)	130 (129)	
Dibenz(a,h)anthracene	1800	0	1700	ug/Kg	94				70 (43)	130 (123)	
Benzo(g,h,i)perylene	1800	0	1500	ug/Kg	83				70 (24)	130 (125)	
1,2,4,5-Tetrachlorobenzene	1800	0	1800	ug/Kg	100				70 (69)	130 (124)	
1,4-Dioxane	1800	0	1700	ug/Kg	94				20 (46)	160 (112)	
2,3,4,6-Tetrachlorophenol	1800	0	1900	ug/Kg	106				70 (69)	130 (112)	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4385

Client: Scheideler Excavating Co. Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	P4385-06MSD	Client Sample ID:	SP-3MSD					DataFile:	BF139903.D		
Benzaldehyde	1800	0	780	ug/Kg	43		2		20 (10)	160 (86)	30 (20)
Phenol	1800	0	1900	ug/Kg	106		0		20 (67)	160 (126)	30 (20)
bis(2-Chloroethyl)ether	1800	0	1900	ug/Kg	106		6		70 (54)	130 (125)	30 (20)
2-Chlorophenol	1800	0	1900	ug/Kg	106		0		70 (79)	130 (107)	30 (20)
2-Methylphenol	1800	0	1900	ug/Kg	106		0		70 (66)	130 (122)	30 (20)
2,2-oxybis(1-Chloropropane)	1800	0	1900	ug/Kg	106		6		70 (65)	130 (110)	30 (20)
Acetophenone	1800	0	1700	ug/Kg	94		6		70 (75)	130 (111)	30 (20)
3+4-Methylphenols	1800	0	1800	ug/Kg	100		0		20 (66)	160 (104)	30 (20)
N-Nitroso-di-n-propylamine	1800	0	1800	ug/Kg	100		0		70 (59)	130 (119)	30 (20)
Hexachloroethane	1800	0	1800	ug/Kg	100		0		20 (65)	160 (117)	30 (20)
Nitrobenzene	1800	0	1800	ug/Kg	100		6		70 (70)	130 (119)	30 (20)
Isophorone	1800	0	1800	ug/Kg	100		0		70 (76)	130 (122)	30 (20)
2-Nitrophenol	1800	0	2200	ug/Kg	122		4		70 (54)	130 (145)	30 (20)
2,4-Dimethylphenol	1800	0	2100	ug/Kg	117		5		70 (44)	130 (135)	30 (20)
bis(2-Chloroethoxy)methane	1800	0	1800	ug/Kg	100		0		70 (68)	130 (112)	30 (20)
2,4-Dichlorophenol	1800	0	1800	ug/Kg	100		0		70 (72)	130 (118)	30 (20)
Naphthalene	1800	0	1800	ug/Kg	100		6		70 (72)	130 (110)	30 (20)
4-Chloroaniline	1800	0	340	ug/Kg	19	*	10		70 (10)	130 (91)	30 (20)
Hexachlorobutadiene	1800	0	1800	ug/Kg	100		6		70 (66)	130 (114)	30 (20)
Caprolactam	1800	0	1900	ug/Kg	106		0		20 (51)	160 (134)	30 (20)
4-Chloro-3-methylphenol	1800	0	1800	ug/Kg	100		0		70 (57)	130 (132)	30 (20)
2-Methylnaphthalene	1800	0	1800	ug/Kg	100		0		70 (59)	130 (123)	30 (20)
Hexachlorocyclopentadiene	3500	0	5600	ug/Kg	160		4		20 (10)	160 (175)	30 (20)
2,4,6-Trichlorophenol	1800	0	2000	ug/Kg	111		5		70 (72)	130 (117)	30 (20)
2,4,5-Trichlorophenol	1800	0	1800	ug/Kg	100		0		70 (72)	130 (117)	30 (20)
1,1-Biphenyl	1800	0	1800	ug/Kg	100		0		70 (75)	130 (113)	30 (20)
2-Chloronaphthalene	1800	0	1800	ug/Kg	100		0		70 (67)	130 (118)	30 (20)
2-Nitroaniline	1800	0	2000	ug/Kg	111		0		70 (69)	130 (127)	30 (20)
Dimethylphthalate	1800	0	1900	ug/Kg	106		0		70 (70)	130 (113)	30 (20)
Acenaphthylene	1800	0	1900	ug/Kg	106		0		70 (79)	130 (118)	30 (20)
2,6-Dinitrotoluene	1800	0	1900	ug/Kg	106		0		70 (70)	130 (125)	30 (20)
3-Nitroaniline	1800	0	1100	ug/Kg	61	*	0		70 (30)	130 (99)	30 (20)
Acenaphthene	1800	0	2000	ug/Kg	111		0		70 (70)	130 (121)	30 (20)
2,4-Dinitrophenol	3500	0	4400	ug/Kg	126		5		20 (10)	160 (155)	30 (20)
4-Nitrophenol	3500	0	3700	ug/Kg	106		3		20 (45)	160 (133)	30 (20)
Dibenzofuran	1800	0	1800	ug/Kg	100		0		70 (72)	130 (110)	30 (20)
2,4-Dinitrotoluene	1800	0	2000	ug/Kg	111		0		70 (55)	130 (128)	30 (20)
Diethylphthalate	1800	0	1800	ug/Kg	100		0		70 (70)	130 (112)	30 (20)
4-Chlorophenyl-phenylether	1800	0	1700	ug/Kg	94		0		70 (71)	130 (108)	30 (20)
Fluorene	1800	0	1700	ug/Kg	94		0		70 (68)	130 (116)	30 (20)
4-Nitroaniline	1800	0	1800	ug/Kg	100		0		70 (55)	130 (120)	30 (20)
4,6-Dinitro-2-methylphenol	1800	0	2500	ug/Kg	139	*	4		70 (10)	130 (160)	30 (20)
N-Nitrosodiphenylamine	1800	0	1900	ug/Kg	106		6		70 (73)	130 (118)	30 (20)
4-Bromophenyl-phenylether	1800	0	1900	ug/Kg	106		0		70 (65)	130 (121)	30 (20)
Hexachlorobenzene	1800	0	1800	ug/Kg	100		0		70 (67)	130 (118)	30 (20)
Atrazine	1800	0	2200	ug/Kg	122		0		70 (79)	130 (127)	30 (20)

() = LABORATORY INHOUSE LIMIT

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4385

Client: Scheideler Excavating Co. Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Pentachlorophenol	3500	0	3500	ug/Kg	100		3		20 (47)	160 (128)	30 (20)
Phenanthrene	1800	0	1800	ug/Kg	100		0		70 (52)	130 (128)	30 (20)
Anthracene	1800	0	1800	ug/Kg	100		0		70 (62)	130 (124)	30 (20)
Carbazole	1800	0	1700	ug/Kg	94		0		70 (59)	130 (119)	30 (20)
Di-n-butylphthalate	1800	0	1800	ug/Kg	100		0		70 (69)	130 (118)	30 (20)
Fluoranthene	1800	0	1700	ug/Kg	94		0		70 (44)	130 (125)	30 (20)
Pyrene	1800	0	1700	ug/Kg	94		0		70 (26)	130 (142)	30 (20)
Butylbenzylphthalate	1800	0	2200	ug/Kg	122		0		70 (64)	130 (126)	30 (20)
3,3-Dichlorobenzidine	1800	0	970	ug/Kg	54	*	0		70 (33)	130 (116)	30 (20)
Benzo(a)anthracene	1800	0	1900	ug/Kg	106		0		70 (71)	130 (114)	30 (20)
Chrysene	1800	0	1900	ug/Kg	106		0		70 (57)	130 (121)	30 (20)
bis(2-Ethylhexyl)phthalate	1800	0	2500	ug/Kg	139	*	0		70 (42)	130 (169)	30 (20)
Di-n-octyl phthalate	1800	0	2300	ug/Kg	128		0		70 (23)	130 (175)	30 (20)
Benzo(b)fluoranthene	1800	0	1900	ug/Kg	106		0		70 (67)	130 (121)	30 (20)
Benzo(k)fluoranthene	1800	0	1800	ug/Kg	100		6		70 (57)	130 (134)	30 (20)
Benzo(a)pyrene	1800	0	2000	ug/Kg	111		0		70 (70)	130 (142)	30 (20)
Indeno(1,2,3-cd)pyrene	1800	0	1600	ug/Kg	89		5		70 (40)	130 (129)	30 (20)
Dibenz(a,h)anthracene	1800	0	1600	ug/Kg	89		5		70 (43)	130 (123)	30 (20)
Benzo(g,h,i)perylene	1800	0	1400	ug/Kg	78		6		70 (24)	130 (125)	30 (20)
1,2,4,5-Tetrachlorobenzene	1800	0	1800	ug/Kg	100		0		70 (69)	130 (124)	30 (20)
1,4-Dioxane	1800	0	1700	ug/Kg	94		0		20 (46)	160 (112)	30 (20)
2,3,4,6-Tetrachlorophenol	1800	0	1900	ug/Kg	106		0		70 (69)	130 (112)	30 (20)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4385

Client: Scheideler Excavating Co. Inc.

Analytical Method: 8270E

DataFile: BF139921.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB164071BS	Benzaldehyde	1700	640	ug/Kg	38				20 (10)	160 (133)	
	Phenol	1700	1600	ug/Kg	94				20 (62)	160 (112)	
	bis(2-Chloroethyl)ether	1700	1600	ug/Kg	94				70 (60)	130 (101)	
	2-Chlorophenol	1700	1700	ug/Kg	100				70 (65)	130 (112)	
	2-Methylphenol	1700	1700	ug/Kg	100				70 (61)	130 (108)	
	2,2-oxybis(1-Chloropropane)	1700	1600	ug/Kg	94				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	1600	ug/Kg	94				70 (57)	130 (101)	
	Isophorone	1700	1700	ug/Kg	100				70 (59)	130 (99)	
	2-Nitrophenol	1700	1900	ug/Kg	112				70 (61)	130 (111)	
	2,4-Dimethylphenol	1700	1900	ug/Kg	112				70 (46)	130 (141)	
	bis(2-Chloroethoxy)methane	1700	1600	ug/Kg	94				70 (66)	130 (97)	
	2,4-Dichlorophenol	1700	1700	ug/Kg	100				70 (62)	130 (107)	
	Naphthalene	1700	1600	ug/Kg	94				70 (62)	130 (100)	
	4-Chloroaniline	1700	670	ug/Kg	39		*		70 (16)	130 (100)	
	Hexachlorobutadiene	1700	1600	ug/Kg	94				70 (53)	130 (98)	
	Caprolactam	1700	1700	ug/Kg	100				20 (67)	160 (110)	
	4-Chloro-3-methylphenol	1700	1600	ug/Kg	94				70 (58)	130 (112)	
	2-Methylnaphthalene	1700	1600	ug/Kg	94				70 (60)	130 (104)	
	Hexachlorocyclopentadiene	3300	6200	ug/Kg	188		*		20 (45)	160 (165)	
	2,4,6-Trichlorophenol	1700	1700	ug/Kg	100				70 (59)	130 (102)	
	2,4,5-Trichlorophenol	1700	1600	ug/Kg	94				70 (61)	130 (98)	
	1,1-Biphenyl	1700	1600	ug/Kg	94				70 (57)	130 (103)	
	2-Chloronaphthalene	1700	1600	ug/Kg	94				70 (58)	130 (99)	
	2-Nitroaniline	1700	1800	ug/Kg	106				70 (66)	130 (101)	
	Dimethylphthalate	1700	1700	ug/Kg	100				70 (61)	130 (99)	
	Acenaphthylene	1700	1700	ug/Kg	100				70 (63)	130 (101)	
	2,6-Dinitrotoluene	1700	1700	ug/Kg	100				70 (61)	130 (104)	
	3-Nitroaniline	1700	1100	ug/Kg	65		*		70 (28)	130 (100)	
	Acenaphthene	1700	1800	ug/Kg	106				70 (57)	130 (104)	
	2,4-Dinitrophenol	3300	4200	ug/Kg	127				20 (37)	160 (128)	
	4-Nitrophenol	3300	3600	ug/Kg	109				20 (48)	160 (119)	
	Dibenzofuran	1700	1600	ug/Kg	94				70 (63)	130 (99)	
	2,4-Dinitrotoluene	1700	1900	ug/Kg	112				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	1700	ug/Kg	100				70 (64)	130 (103)	
	4,6-Dinitro-2-methylphenol	1700	2400	ug/Kg	141		*		70 (76)	130 (113)	
	N-Nitrosodiphenylamine	1700	1700	ug/Kg	100				70 (71)	130 (99)	
	4-Bromophenyl-phenylether	1700	1700	ug/Kg	100				70 (66)	130 (102)	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4385

Client: Scheideler Excavating Co. Inc.

Analytical Method: 8270E

DataFile: BF139921.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB164071BS	Hexachlorobenzene	1700	1700	ug/Kg	100				70 (64)	130 (98)	
	Atrazine	1700	1900	ug/Kg	112				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	1700	ug/Kg	100				70 (61)	130 (105)	
	Carbazole	1700	1600	ug/Kg	94				70 (61)	130 (99)	
	Di-n-butylphthalate	1700	1600	ug/Kg	94				70 (58)	130 (104)	
	Fluoranthene	1700	1600	ug/Kg	94				70 (57)	130 (107)	
	Pyrene	1700	1900	ug/Kg	112				70 (59)	130 (103)	
	Butylbenzylphthalate	1700	1900	ug/Kg	112				70 (55)	130 (103)	
	3,3-Dichlorobenzidine	1700	1200	ug/Kg	71				70 (42)	130 (91)	
	Benzo(a)anthracene	1700	1800	ug/Kg	106				70 (60)	130 (102)	
	Chrysene	1700	1800	ug/Kg	106				70 (59)	130 (101)	
	bis(2-Ethylhexyl)phthalate	1700	2000	ug/Kg	118				70 (54)	130 (135)	
	Di-n-octyl phthalate	1700	2000	ug/Kg	118				70 (52)	130 (137)	
	Benzo(b)fluoranthene	1700	1700	ug/Kg	100				70 (62)	130 (109)	
	Benzo(k)fluoranthene	1700	1600	ug/Kg	94				70 (62)	130 (109)	
	Benzo(a)pyrene	1700	1900	ug/Kg	112				70 (63)	130 (103)	
	Indeno(1,2,3-cd)pyrene	1700	2000	ug/Kg	118				70 (63)	130 (101)	
	Dibenz(a,h)anthracene	1700	1900	ug/Kg	112				70 (61)	130 (112)	
	Benzo(g,h,i)perylene	1700	1800	ug/Kg	106				70 (70)	130 (108)	
	1,2,4,5-Tetrachlorobenzene	1700	1600	ug/Kg	94				70 (53)	130 (101)	
	1,4-Dioxane	1700	1300	ug/Kg	76				20 (50)	160 (96)	
	2,3,4,6-Tetrachlorophenol	1700	1800	ug/Kg	106				70 (59)	130 (108)	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164071BL

Lab Name: CHEMTECH

Contract: SCHE03

Lab Code: CHEM Case No.: P4385

SAS No.: P4385 SDG NO.: P4385

Lab File ID: BF139920.D

Lab Sample ID: PB164071BL

Instrument ID: BNA_F

Date Extracted: 10/11/2024

Matrix: (soil/water) SOIL

Date Analyzed: 10/22/2024

Level: (low/med) LOW

Time Analyzed: 11:05

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB164071BS	PB164071BS	BF139921.D	10/22/2024
SP-8	P4385-16	BF139945.D	10/22/2024
SP-9	P4385-18	BF139946.D	10/22/2024
SP-6	P4385-12	BF139947.D	10/23/2024
SP-5	P4385-10	BF139949.D	10/23/2024
SP-10	P4385-20	BF139982.D	10/23/2024
SP-7	P4385-14	BF139983.D	10/24/2024
SP-3MS	P4385-06MS	BF139902.D	10/21/2024
SP-3MSD	P4385-06MSD	BF139903.D	10/21/2024
SP-4	P4385-08	BF139936.D	10/22/2024
SP-2	P4385-04	BF139937.D	10/22/2024
SP-3	P4385-06	BF139938.D	10/22/2024
SP-1	P4385-02	BF139941.D	10/22/2024

COMMENTS: _____



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: SCHE03Lab Code: CHEMSAS No.: P4385 SDG NO.: P4385Lab File ID: BF139843.DDFTPP Injection Date: 10/18/2024Instrument ID: BNA_FDFTPP Injection Time: 09:22

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	43.8
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	37.8
70	Less than 2.0% of mass 69	0.3 (0.7) 1
127	10.0 - 80.0% of mass 198	46.9
197	Less than 2.0% of mass 198	0.8
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	26.9
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	14
442	Greater than 50% of mass 198	93.1
443	15.0 - 24.0% of mass 442	17.9 (19.2) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF139844.D	10/18/2024	10:27
SSTDICC005	SSTDICC005	BF139845.D	10/18/2024	10:55
SSTDICC010	SSTDICC010	BF139846.D	10/18/2024	11:23
SSTDICC020	SSTDICC020	BF139847.D	10/18/2024	11:52
SSTDICCC040	SSTDICCC040	BF139848.D	10/18/2024	12:20
SSTDICC050	SSTDICC050	BF139849.D	10/18/2024	12:49
SSTDICC060	SSTDICC060	BF139850.D	10/18/2024	13:17
SSTDICC080	SSTDICC080	BF139851.D	10/18/2024	13:46



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: SCHE03Lab Code: CHEMSAS No.: P4385 SDG NO.: P4385Lab File ID: BF139891.DDFTPP Injection Date: 10/21/2024Instrument ID: BNA_FDFTPP Injection Time: 09:28

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	43.9
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	38.2
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	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	27.7
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	15.4
442	Greater than 50% of mass 198	98.4
443	15.0 - 24.0% of mass 442	19 (19.4) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF139892.D	10/21/2024	09:57
SP-3MS	P4385-06MS	BF139902.D	10/21/2024	14:47
SP-3MSD	P4385-06MSD	BF139903.D	10/21/2024	15:15



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: SCHE03Lab Code: CHEMSAS No.: P4385 SDG NO.: P4385Lab File ID: BF139916.DDFTPP Injection Date: 10/22/2024Instrument ID: BNA_FDFTPP Injection Time: 09:11

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	39.1
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	34
70	Less than 2.0% of mass 69	0.2 (0.7) 1
127	10.0 - 80.0% of mass 198	42.5
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.4
275	10.0 - 60.0% of mass 198	26.8
365	Greater than 1% of mass 198	3.2
441	Present, but less than mass 443	15.3
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.2 (19.2) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF139917.D	10/22/2024	09:39
PB164071BL	PB164071BL	BF139920.D	10/22/2024	11:05
PB164071BS	PB164071BS	BF139921.D	10/22/2024	11:34



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: SCHE03Lab Code: CHEMSAS No.: P4385 SDG NO.: P4385Lab File ID: BF139926.DDFTPP Injection Date: 10/22/2024Instrument ID: BNA_FDFTPP Injection Time: 14:00

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	35.4
68	Less than 2.0% of mass 69	0.5 (1.7) 1
69	Mass 69 relative abundance	31
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	39.5
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.9
275	10.0 - 60.0% of mass 198	25.3
365	Greater than 1% of mass 198	3.2
441	Present, but less than mass 443	15.5
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.2 (19.2) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF139927.D	10/22/2024	14:28
SP-4	P4385-08	BF139936.D	10/22/2024	18:56
SP-2	P4385-04	BF139937.D	10/22/2024	19:25
SP-3	P4385-06	BF139938.D	10/22/2024	19:54
SP-1	P4385-02	BF139941.D	10/22/2024	21:20
SP-8	P4385-16	BF139945.D	10/22/2024	23:14
SP-9	P4385-18	BF139946.D	10/22/2024	23:43
SP-6	P4385-12	BF139947.D	10/23/2024	00:11
SP-5	P4385-10	BF139949.D	10/23/2024	01:08



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: SCHE03Lab Code: CHEMSAS No.: P4385 SDG NO.: P4385Lab File ID: BF139964.DDFTPP Injection Date: 10/23/2024Instrument ID: BNA_FDFTPP Injection Time: 15:01

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	34.1
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	30.6
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	39
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	6.1
275	10.0 - 60.0% of mass 198	25.4
365	Greater than 1% of mass 198	3.2
441	Present, but less than mass 443	15.4
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.1 (19.1) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF139965.D	10/23/2024	15:30
SP-10	P4385-20	BF139982.D	10/23/2024	23:43
SP-7	P4385-14	BF139983.D	10/24/2024	00:11

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4385 SAS No.: P4385 SDG NO.: P4385

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/21/2024

Lab File ID: BF139892.D Time Analyzed: 09:57

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	170135	6.892	645389	8.18	355580	9.93
UPPER LIMIT	340270	7.392	1290780	8.675	711160	10.427
LOWER LIMIT	85067.5	6.392	322695	7.675	177790	9.427
EPA SAMPLE NO.						
01 SP-3MS	159111	6.89	617785	8.18	335465	9.93
02 SP-3MSD	163321	6.89	638402	8.18	343933	9.93

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.: P4385 SAS No.: P4385 SDG NO.: P4385

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/21/2024

Lab File ID: BF139892.D Time Analyzed: 09:57

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	607097	11.416	292847	14.057	323975	15.533
UPPER LIMIT	1214190	11.916	585694	14.557	647950	16.033
LOWER LIMIT	303549	10.916	146424	13.557	161988	15.033
EPA SAMPLE NO.						
01 SP-3MS	563658	11.42	294671	14.06	343985	15.53
02 SP-3MSD	570576	11.42	298930	14.06	341306	15.53

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.: P4385 SAS No.: P4385 SDG NO.: P4385

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/22/2024

Lab File ID: BF139917.D Time Analyzed: 09:39

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	157034	6.892	594103	8.18	330233	9.93
UPPER LIMIT	314068	7.392	1188210	8.675	660466	10.433
LOWER LIMIT	78517	6.392	297052	7.675	165117	9.433
EPA SAMPLE NO.						
01 PB164071BL	150261	6.89	593957	8.17	338069	9.93
02 PB164071BS	149304	6.89	587812	8.18	331508	9.93

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.: P4385 SAS No.: P4385 SDG NO.: P4385

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/22/2024

Lab File ID: BF139917.D Time Analyzed: 09:39

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	578135	11.416	280536	14.057	304746	15.533
UPPER LIMIT	1156270	11.916	561072	14.557	609492	16.033
LOWER LIMIT	289068	10.916	140268	13.557	152373	15.033
EPA SAMPLE NO.						
01 PB164071BL	611789	11.41	390858	14.05	293996	15.53
02 PB164071BS	575136	11.42	270065	14.06	308770	15.53

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.: P4385 SAS No.: P4385 SDG NO.: P4385

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/22/2024

Lab File ID: BF139927.D Time Analyzed: 14:28

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	169434	6.893	628861	8.18	340877	9.93
UPPER LIMIT	338868	7.393	1257720	8.675	681754	10.428
LOWER LIMIT	84717	6.393	314431	7.675	170439	9.428
EPA SAMPLE NO.						
01 SP-1	136890	6.89	521113	8.17	254785	9.92
02 SP-2	151716	6.89	581488	8.17	304861	9.92
03 SP-3	133976	6.89	526107	8.17	267934	9.92
04 SP-4	137459	6.89	530285	8.17	284175	9.92
05 SP-5	108490	6.89	354595	8.17	170918	9.93
06 SP-6	114279	6.89	384129	8.17	173441	9.93
07 SP-8	119007	6.89	400056	8.17	182483	9.93
08 SP-9	125462	6.89	412661	8.17	187614	9.92

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4385 SAS No.: P4385 SDG NO.: P4385

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/22/2024

Lab File ID: BF139927.D Time Analyzed: 14:28

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	576195	11.416	272427	14.051	340524	15.533
UPPER LIMIT	1152390	11.916	544854	14.551	681048	16.033
LOWER LIMIT	288098	10.916	136214	13.551	170262	15.033
EPA SAMPLE NO.						
01 SP-1	372133	11.41	303301	14.05	324928	15.53
02 SP-2	449838	11.41	325843	14.05	359851	15.53
03 SP-3	399571	11.41	295422	14.05	332333	15.53
04 SP-4	435012	11.41	296989	14.05	339367	15.53
05 SP-5	337324	11.41	293042	14.05	205540	15.53
06 SP-6	309030	11.41	295313	14.05	215288	15.53
07 SP-8	307887	11.41	297752	14.05	223198	15.53
08 SP-9	327445	11.41	323147	14.05	234771	15.53

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.: P4385 SAS No.: P4385 SDG NO.: P4385

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/23/2024

Lab File ID: BF139965.D Time Analyzed: 15:30

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	159858	6.892	611382	8.18	340124	9.93
UPPER LIMIT	319716	7.392	1222760	8.675	680248	10.428
LOWER LIMIT	79929	6.392	305691	7.675	170062	9.428
EPA SAMPLE NO.						
01 SP-7	123541	6.89	443226	8.17	204877	9.92
02 SP-10	133316	6.89	485669	8.17	228899	9.92

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4385 SAS No.: P4385 SDG NO.: P4385

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/23/2024

Lab File ID: BF139965.D Time Analyzed: 15:30

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	597021	11.416	306092	14.057	358871	15.533
UPPER LIMIT	1194040	11.916	612184	14.557	717742	16.033
LOWER LIMIT	298511	10.916	153046	13.557	179436	15.033
EPA SAMPLE NO.						
01 SP-7	329287	11.41	309239	14.05	243467	15.53
02 SP-10	357369	11.41	325119	14.05	261481	15.53

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:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-1	SDG No.:	P4385
Lab Sample ID:	P4385-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.4
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
BF139941.D	1	10/11/24 09:38	10/22/24 21:20	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	190	U	190	350	ug/Kg
108-95-2	Phenol	88.7	U	88.7	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	89.5	U	89.5	180	ug/Kg
95-57-8	2-Chlorophenol	89.3	U	89.3	180	ug/Kg
95-48-7	2-Methylphenol	86.2	U	86.2	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	97.2	U	97.2	180	ug/Kg
98-86-2	Acetophenone	92.9	U	92.9	180	ug/Kg
65794-96-9	3+4-Methylphenols	85.4	U	85.4	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	43.1	U	43.1	85.6	ug/Kg
67-72-1	Hexachloroethane	88.8	U	88.8	180	ug/Kg
98-95-3	Nitrobenzene	97.1	U	97.1	180	ug/Kg
78-59-1	Isophorone	90.5	U	90.5	180	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	180	ug/Kg
105-67-9	2,4-Dimethylphenol	99.7	U	99.7	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	91.8	U	91.8	180	ug/Kg
120-83-2	2,4-Dichlorophenol	80.8	U	80.8	180	ug/Kg
91-20-3	Naphthalene	88.3	U	88.3	180	ug/Kg
106-47-8	4-Chloroaniline	88.3	UQ	88.3	180	ug/Kg
87-68-3	Hexachlorobutadiene	89.1	U	89.1	180	ug/Kg
105-60-2	Caprolactam	92.8	U	92.8	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	82.9	U	82.9	180	ug/Kg
91-57-6	2-Methylnaphthalene	88.2	U	88.2	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	170	UQ	170	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	76.4	U	76.4	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	79.2	U	79.2	180	ug/Kg
92-52-4	1,1-Biphenyl	93.5	U	93.5	180	ug/Kg
91-58-7	2-Chloronaphthalene	89.1	U	89.1	180	ug/Kg
88-74-4	2-Nitroaniline	100	U	100	180	ug/Kg
131-11-3	Dimethylphthalate	87.4	U	87.4	180	ug/Kg

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-1	SDG No.:	P4385
Lab Sample ID:	P4385-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.4
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
BF139941.D	1	10/11/24 09:38	10/22/24 21:20	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	92.5	U	92.5	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	89.0	U	89.0	180	ug/Kg
99-09-2	3-Nitroaniline	95.4	UQ	95.4	180	ug/Kg
83-32-9	Acenaphthene	86.7	U	86.7	180	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	350	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	350	ug/Kg
132-64-9	Dibenzofuran	90.3	U	90.3	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	92.2	U	92.2	180	ug/Kg
84-66-2	Diethylphthalate	85.7	U	85.7	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	91.6	U	91.6	180	ug/Kg
86-73-7	Fluorene	91.5	U	91.5	180	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	UQ	130	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	87.3	U	87.3	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	84.4	U	84.4	180	ug/Kg
118-74-1	Hexachlorobenzene	90.9	U	90.9	180	ug/Kg
1912-24-9	Atrazine	97.8	U	97.8	180	ug/Kg
87-86-5	Pentachlorophenol	82.7	U	82.7	350	ug/Kg
85-01-8	Phenanthrene	89.8	U	89.8	180	ug/Kg
120-12-7	Anthracene	90.3	U	90.3	180	ug/Kg
86-74-8	Carbazole	85.9	U	85.9	180	ug/Kg
84-74-2	Di-n-butylphthalate	90.2	U	90.2	180	ug/Kg
206-44-0	Fluoranthene	87.4	U	87.4	180	ug/Kg
129-00-0	Pyrene	88.8	U	88.8	180	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	350	ug/Kg
56-55-3	Benzo(a)anthracene	86.3	U	86.3	180	ug/Kg
218-01-9	Chrysene	85.0	U	85.0	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	97.3	U	97.3	180	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	86.7	U	86.7	180	ug/Kg

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-1	SDG No.:	P4385
Lab Sample ID:	P4385-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.4
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
		GPC Cleanup :	N
		PH :	
		Test:	SVOC-TCL BNA -20
		Final Vol:	1000
			uL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139941.D	1	10/11/24 09:38	10/22/24 21:20	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	88.3	U	88.3	180	ug/Kg
50-32-8	Benzo(a)pyrene	99.5	U	99.5	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	83.5	U	83.5	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	86.9	U	86.9	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	85.7	U	85.7	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	92.8	U	92.8	180	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	79.9	U	79.9	180	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	90.0		30 (18) - 130 (112)	60%	SPK: 150
13127-88-3	Phenol-d6	89.6		30 (15) - 130 (107)	60%	SPK: 150
4165-60-0	Nitrobenzene-d5	68.7		30 (18) - 130 (107)	69%	SPK: 100
321-60-8	2-Fluorobiphenyl	73.7		30 (20) - 130 (109)	74%	SPK: 100
118-79-6	2,4,6-Tribromophenol	69.6		30 (10) - 130 (116)	46%	SPK: 150
1718-51-0	Terphenyl-d14	52.0		30 (10) - 130 (105)	52%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	137000	6.887
1146-65-2	Naphthalene-d8	521000	8.169
15067-26-2	Acenaphthene-d10	255000	9.922
1517-22-2	Phenanthrene-d10	372000	11.41
1719-03-5	Chrysene-d12	303000	14.045
1520-96-3	Perylene-d12	325000	15.527

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	2800	JB	2.19	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	190	AB	5.11	ug/Kg
000119-61-9	Benzophenone	570	J	10.6	ug/Kg
000947-19-3	Methanone, (1-hydroxycyclohexyl)ph	120	J	10.9	ug/Kg
000057-10-3	n-Hexadecanoic acid	240	J	11.9	ug/Kg
074685-30-6	5-Eicosene, (E)-	300	J	13.9	ug/Kg
1000309-38-2	Oxalic acid, isobutyl heptadecyl e	77.4	J	14.5	ug/Kg

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-1	SDG No.:	P4385
Lab Sample ID:	P4385-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.4
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
BF139941.D	1	10/11/24 09:38	10/22/24 21:20	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
007390-81-0	Oxirane, hexadecyl-	110	J		15.0	ug/Kg
000112-95-8	Eicosane	80.9	J		15.2	ug/Kg
015594-90-8	1-Heneicosanol	230	J		15.2	ug/Kg
000638-66-4	Octadecanal	81.3	J		15.8	ug/Kg
000630-01-3	Hexacosane	230	J		16.0	ug/Kg
000661-19-8	Behenic alcohol	110	J		16.1	ug/Kg
000083-48-7	Stigmasterol	140	J		17.2	ug/Kg
000083-46-5	.beta.-Sitosterol	210	J		17.6	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139941.D
Acq On : 22 Oct 2024 21:20
Operator : RC/JU
Sample : P4385-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-1

Quant Time: Oct 23 01:13:39 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	136890	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	521113	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	254785	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	372133	20.000	ng	0.00
76) Chrysene-d12	14.045	240	303301	20.000	ng	0.00
86) Perylene-d12	15.527	264	324928	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	787344	90.041	ng	0.00
7) Phenol-d6	6.504	99	1015200	89.641	ng	0.00
23) Nitrobenzene-d5	7.445	82	646064	68.713	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	165943	69.631	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1136235	73.703	ng	0.00
79) Terphenyl-d14	12.998	244	967539	51.981	ng	0.00

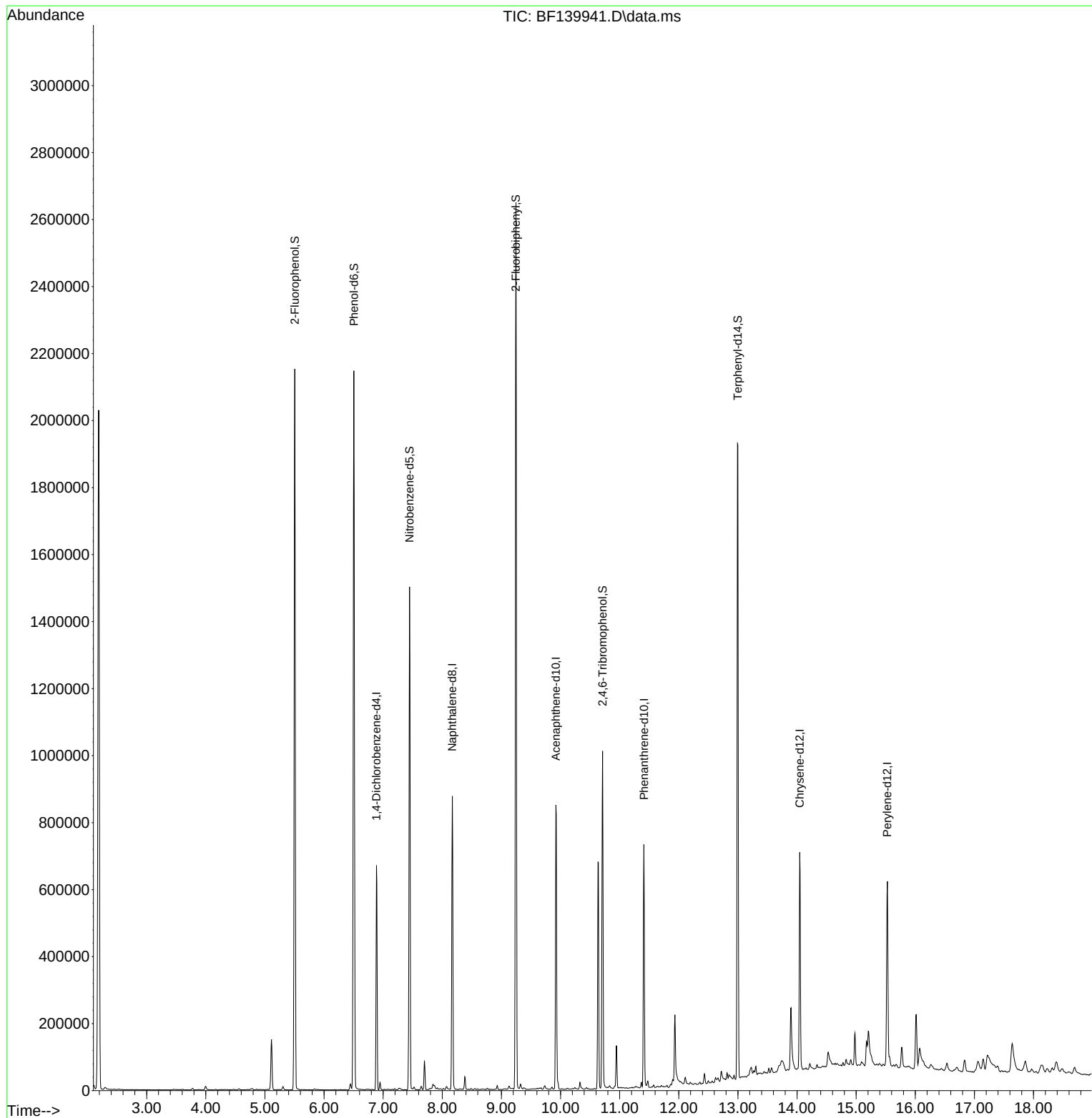
Target Compounds	Qvalue

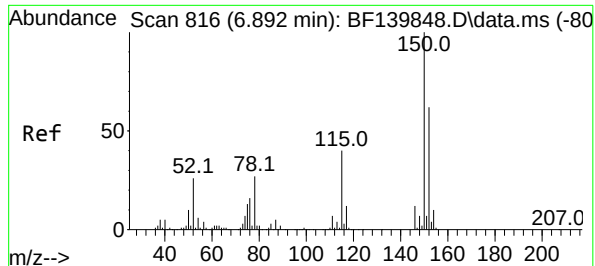
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139941.D
Acq On : 22 Oct 2024 21:20
Operator : RC/JU
Sample : P4385-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-1

Quant Time: Oct 23 01:13:39 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

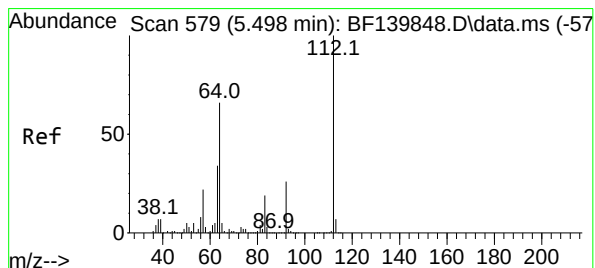
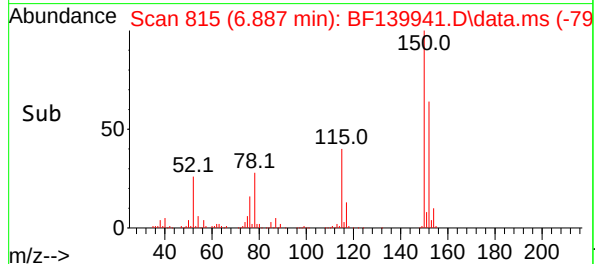
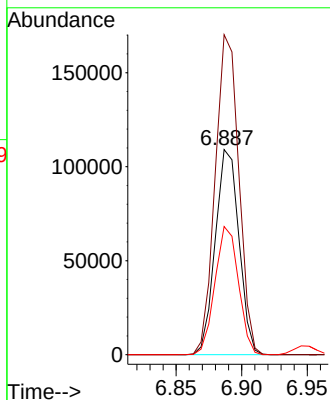
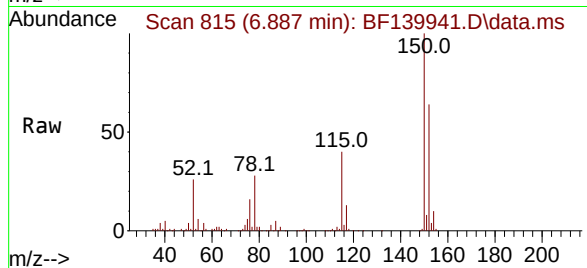




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.005 min
Lab File: BF139941.D
Acq: 22 Oct 2024 21:20

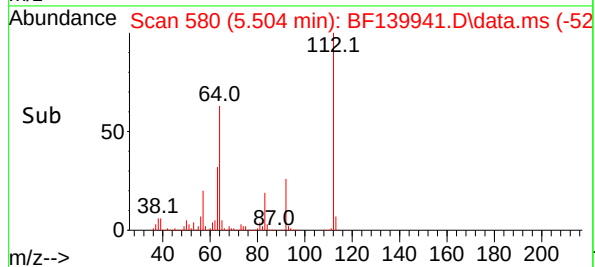
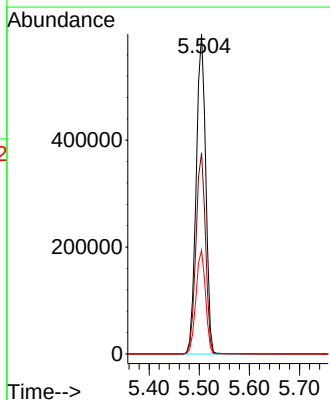
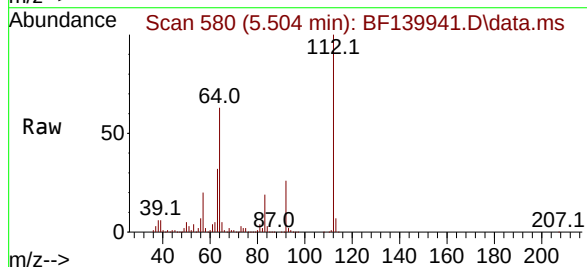
Instrument :
BNA_F
ClientSampleId :
SP-1

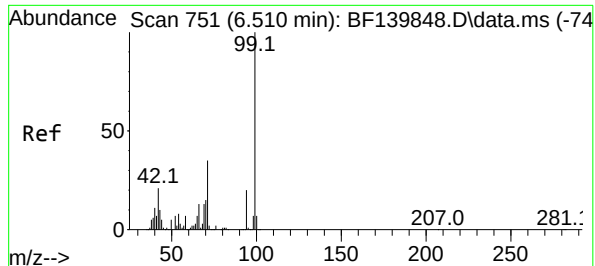
Tgt Ion:152 Resp: 136890
Ion Ratio Lower Upper
152 100
150 156.0 130.2 195.2
115 62.5 51.4 77.2



#5
2-Fluorophenol
Concen: 90.041 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF139941.D
Acq: 22 Oct 2024 21:20

Tgt Ion:112 Resp: 787344
Ion Ratio Lower Upper
112 100
64 62.9 53.0 79.6
63 32.5 27.0 40.4

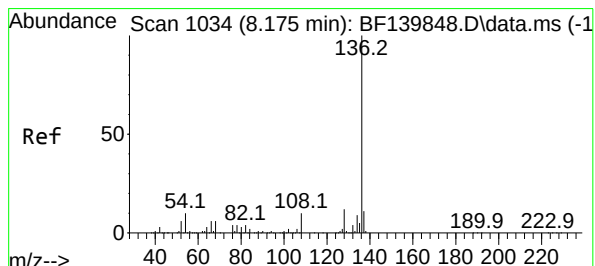
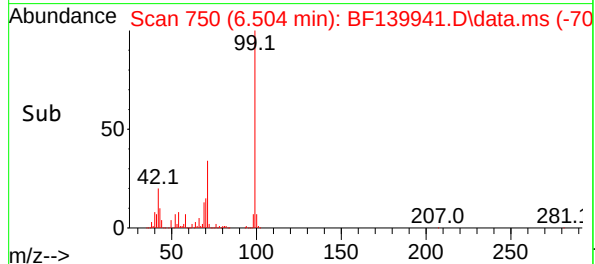
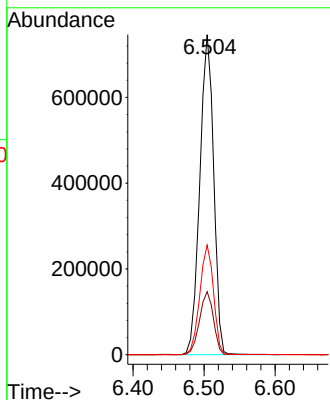
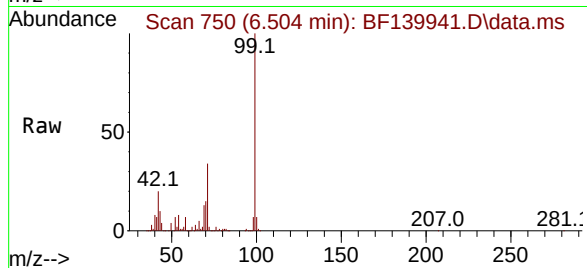




#7
Phenol-d6
Concen: 89.641 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF139941.D
Acq: 22 Oct 2024 21:20

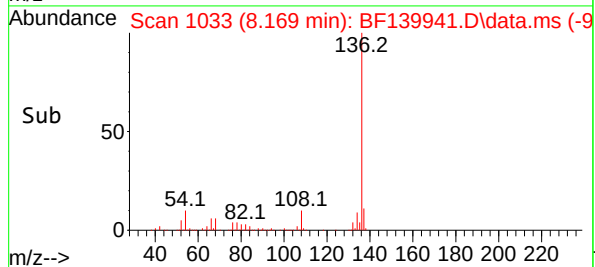
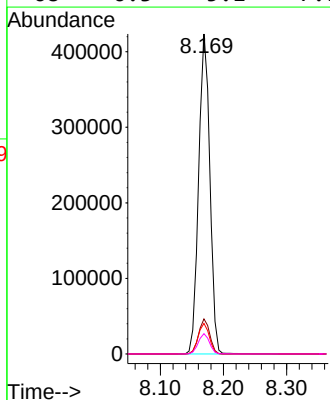
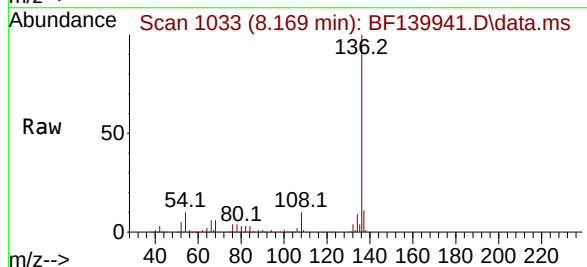
Instrument :
BNA_F
ClientSampleId :
SP-1

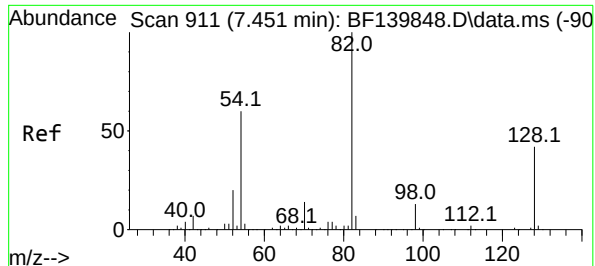
Tgt Ion: 99 Resp: 1015200
Ion Ratio Lower Upper
99 100
42 19.7 16.7 25.1
71 34.2 27.7 41.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF139941.D
Acq: 22 Oct 2024 21:20

Tgt Ion: 136 Resp: 521113
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 9.5 8.4 12.6
68 6.3 5.1 7.7





#23

Nitrobenzene-d5

Concen: 68.713 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF139941.D

Acq: 22 Oct 2024 21:20

Instrument :

BNA_F

ClientSampleId :

SP-1

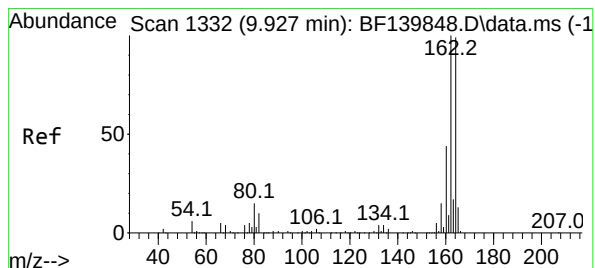
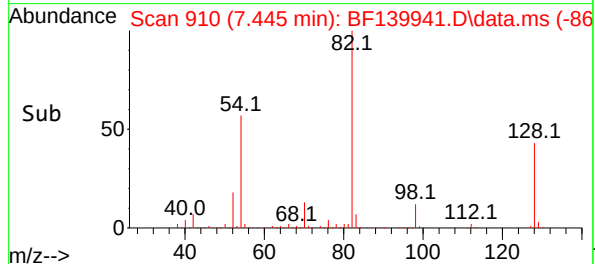
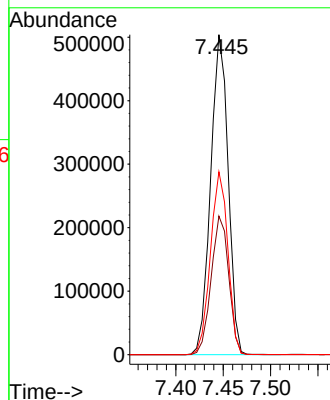
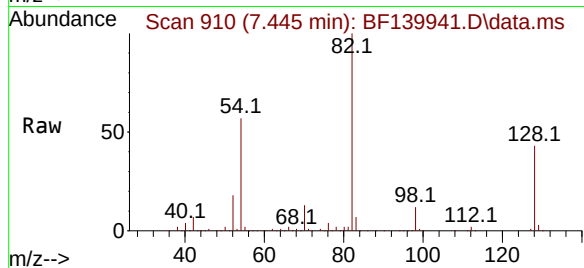
Tgt Ion: 82 Resp: 646064

Ion Ratio Lower Upper

82 100

128 43.3 33.4 50.0

54 57.2 47.8 71.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1331

Delta R.T. -0.005 min

Lab File: BF139941.D

Acq: 22 Oct 2024 21:20

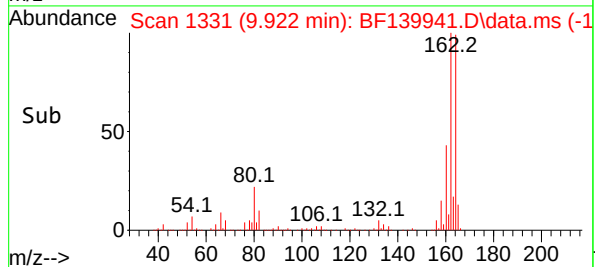
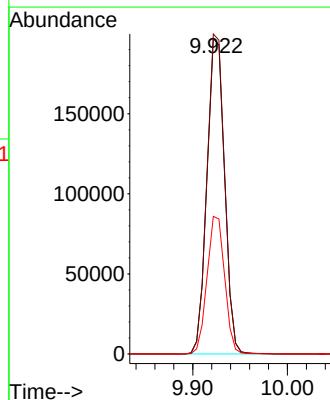
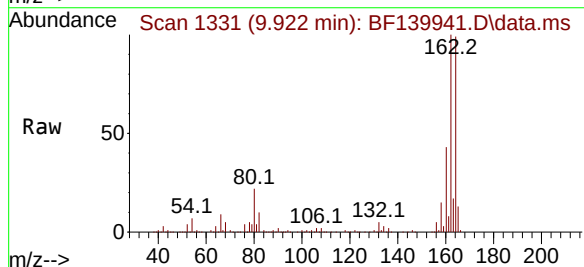
Tgt Ion:164 Resp: 254785

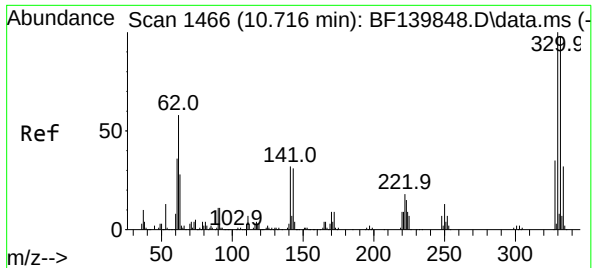
Ion Ratio Lower Upper

164 100

162 101.5 81.0 121.4

160 43.6 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 69.631 ng

RT: 10.710 min Scan# 1465

Delta R.T. -0.006 min

Lab File: BF139941.D

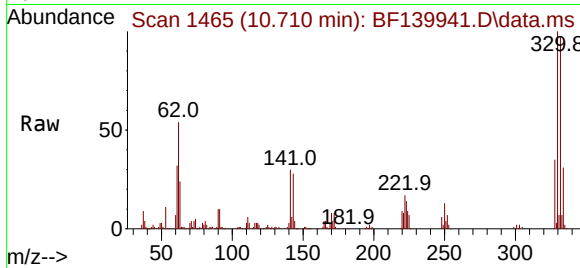
Acq: 22 Oct 2024 21:20

Instrument :

BNA_F

ClientSampleId :

SP-1



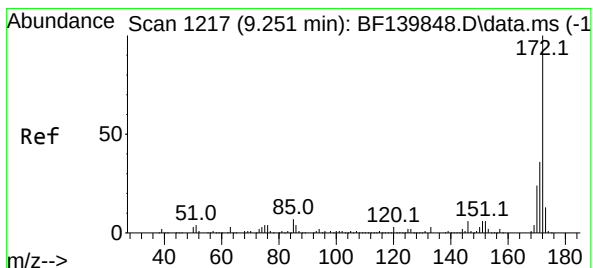
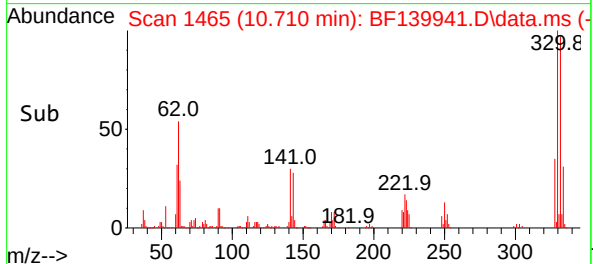
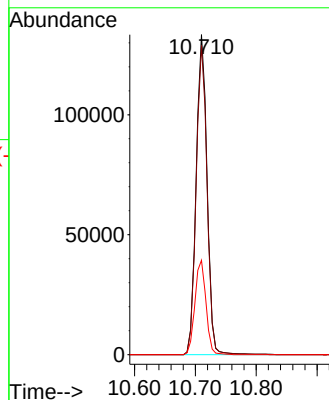
Tgt Ion:330 Resp: 165943

Ion Ratio Lower Upper

330 100

332 96.3 78.1 117.1

141 29.8 26.6 39.8



#45

2-Fluorobiphenyl

Concen: 73.703 ng

RT: 9.245 min Scan# 1216

Delta R.T. -0.006 min

Lab File: BF139941.D

Acq: 22 Oct 2024 21:20

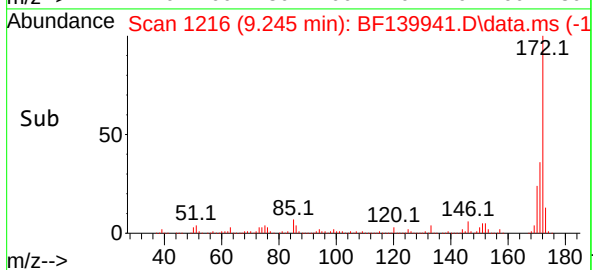
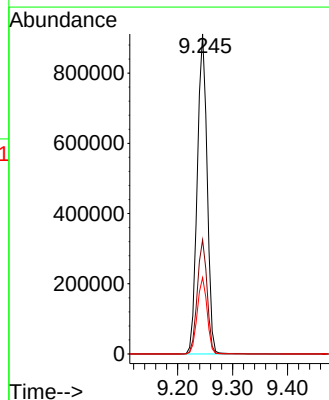
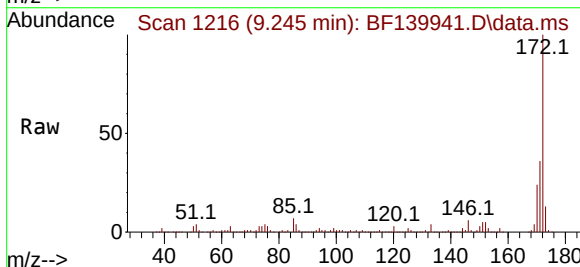
Tgt Ion:172 Resp: 1136235

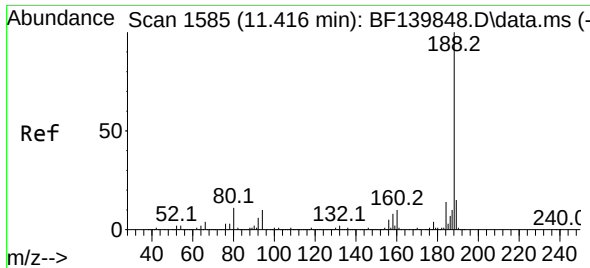
Ion Ratio Lower Upper

172 100

171 35.6 28.6 43.0

170 23.9 19.1 28.7

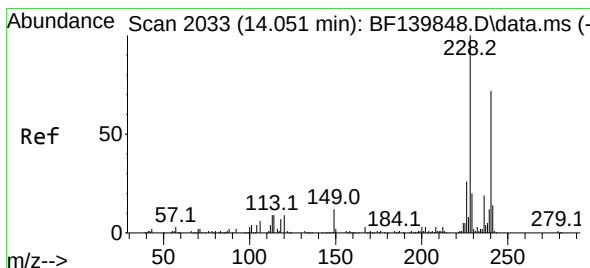
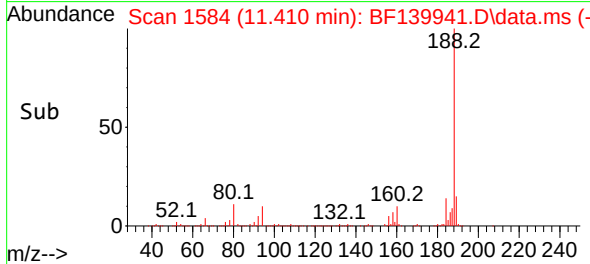
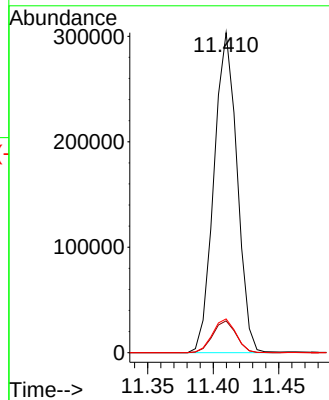
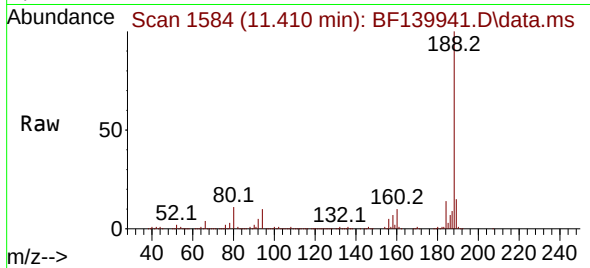




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139941.D
Acq: 22 Oct 2024 21:20

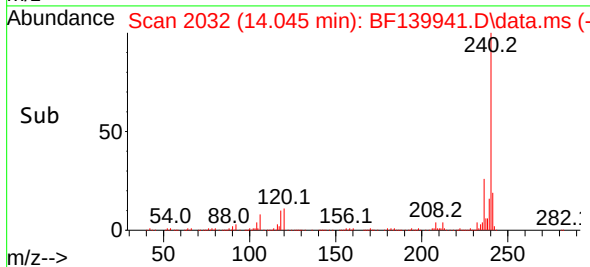
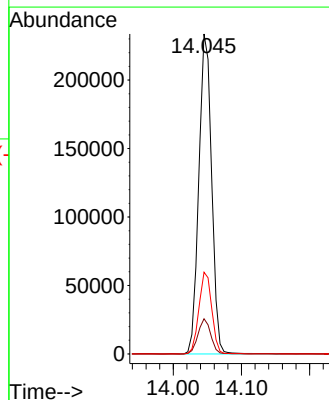
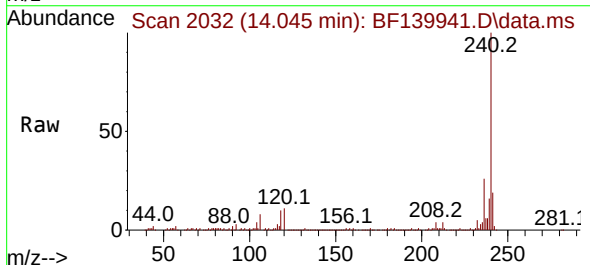
Instrument :
BNA_F
ClientSampleId :
SP-1

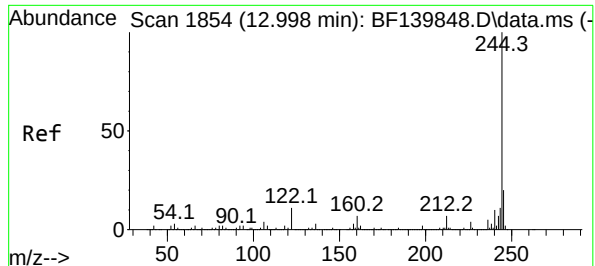
Tgt Ion:188 Resp: 372133
Ion Ratio Lower Upper
188 100
94 10.0 7.9 11.9
80 10.5 9.0 13.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF139941.D
Acq: 22 Oct 2024 21:20

Tgt Ion:240 Resp: 303301
Ion Ratio Lower Upper
240 100
120 11.0 9.4 14.2
236 25.6 20.9 31.3





#79

Terphenyl-d14

Concen: 51.981 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.000 min

Lab File: BF139941.D

Acq: 22 Oct 2024 21:20

Instrument :

BNA_F

ClientSampleId :

SP-1

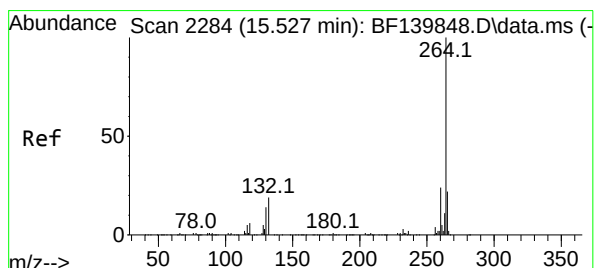
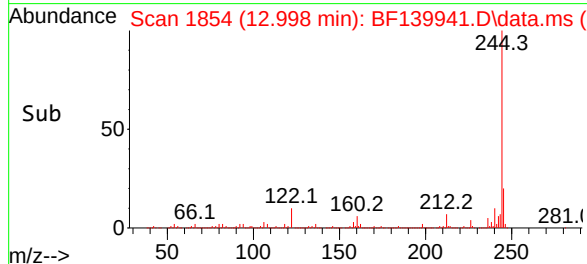
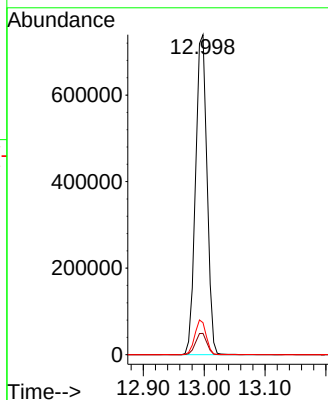
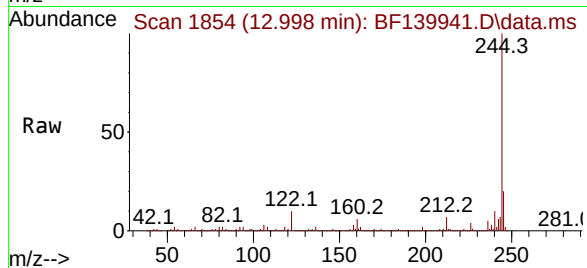
Tgt Ion:244 Resp: 967539

Ion Ratio Lower Upper

244 100

212 6.6 5.7 8.5

122 10.0 8.6 13.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 2284

Delta R.T. 0.000 min

Lab File: BF139941.D

Acq: 22 Oct 2024 21:20

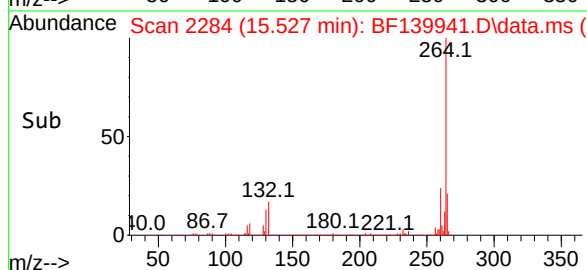
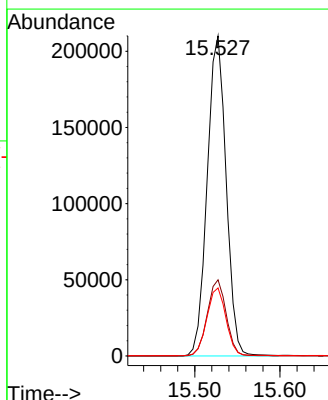
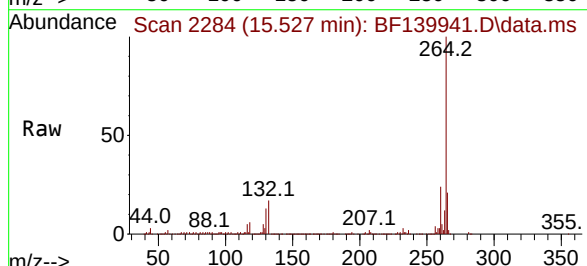
Tgt Ion:264 Resp: 324928

Ion Ratio Lower Upper

264 100

260 23.8 19.4 29.2

265 21.2 17.4 26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
 Data File : BF139941.D
 Acq On : 22 Oct 2024 21:20
 Operator : RC/JU
 Sample : P4385-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-1

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-BF101824.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF139941.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.187	7	16	30	rVB	2027002	3279149	99.73%	11.868%
2	5.110	505	513	522	rVB	150442	225704	6.86%	0.817%
3	5.504	573	580	585	rBV	2151430	2836162	86.26%	10.265%
4	6.504	744	750	763	rVB	2145012	2968756	90.29%	10.745%
5	6.887	810	815	820	rBV	669818	832153	25.31%	3.012%
6	7.445	904	910	915	rBV	1501687	1928927	58.67%	6.981%
7	7.698	949	953	958	rBV	86622	102736	3.12%	0.372%
8	8.169	1028	1033	1038	rBV	874857	1077443	32.77%	3.899%
9	8.381	1063	1069	1077	rVB	37634	50672	1.54%	0.183%
10	9.245	1210	1216	1221	rBV	2646168	3288006	100.00%	11.900%
11	9.922	1326	1331	1336	rBV	847517	1098305	33.40%	3.975%
12	10.633	1447	1452	1459	rBV	677761	882492	26.84%	3.194%
13	10.710	1460	1465	1475	rVV	1005821	1265856	38.50%	4.581%
14	10.945	1501	1505	1510	rVB	126416	152533	4.64%	0.552%
15	11.410	1579	1584	1591	rBV	722727	897512	27.30%	3.248%
16	11.933	1669	1673	1688	rVB2	199905	301586	9.17%	1.092%
17	12.433	1754	1758	1765	rVB	28848	40637	1.24%	0.147%
18	12.722	1802	1807	1815	rBV2	30349	66942	2.04%	0.242%
19	12.992	1848	1853	1859	rBV	1897464	2522693	76.72%	9.130%
20	13.227	1886	1893	1896	rBV3	22722	48968	1.49%	0.177%
21	13.898	2002	2007	2022	rBV	183889	362160	11.01%	1.311%
22	14.045	2027	2032	2041	rVB	648172	860025	26.16%	3.113%
23	14.527	2110	2114	2126	rBV4	36680	93159	2.83%	0.337%
24	14.980	2186	2191	2198	rVB	97141	139426	4.24%	0.505%
25	15.174	2220	2224	2226	rBV	71840	102232	3.11%	0.370%
26	15.204	2226	2229	2250	rVB2	101414	285476	8.68%	1.033%
27	15.527	2278	2284	2296	rVB	550334	899329	27.35%	3.255%
28	15.774	2321	2326	2336	rVB	58995	102481	3.12%	0.371%
29	16.015	2361	2367	2372	rBV	160794	285667	8.69%	1.034%
30	16.074	2372	2377	2387	rVV2	49582	137826	4.19%	0.499%
31	16.833	2502	2506	2513	rVB2	32447	61370	1.87%	0.222%
32	17.221	2567	2572	2597	rVB2	36964	171859	5.23%	0.622%
33	17.639	2636	2643	2660	rBV4	78691	262088	7.97%	0.949%

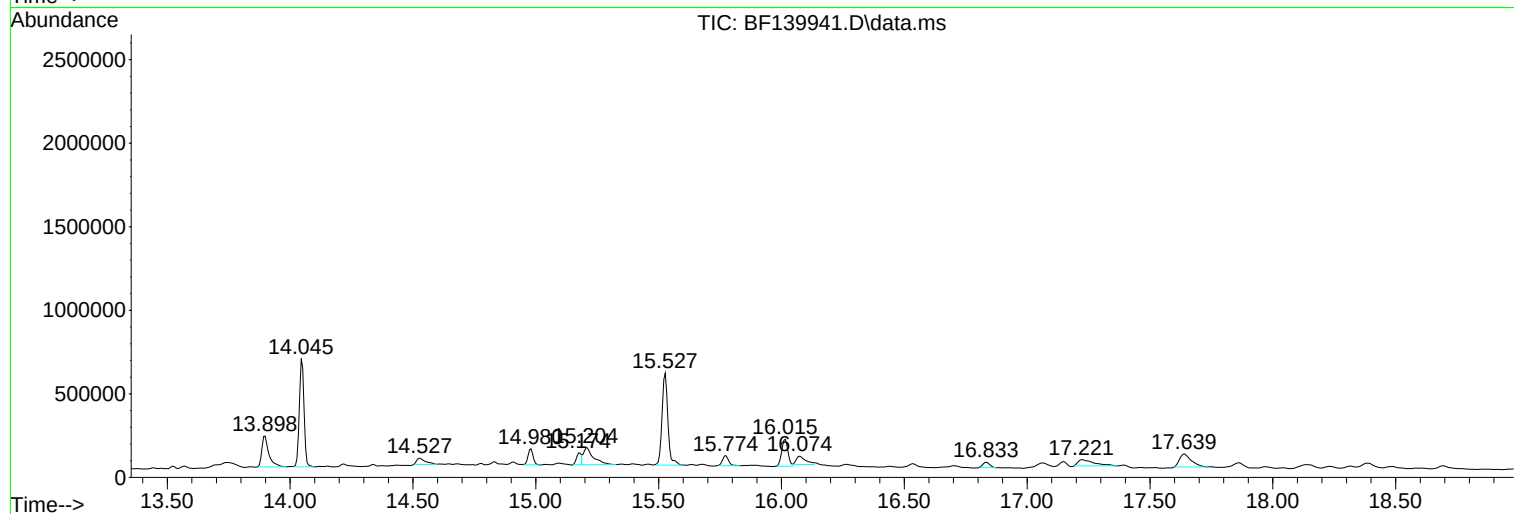
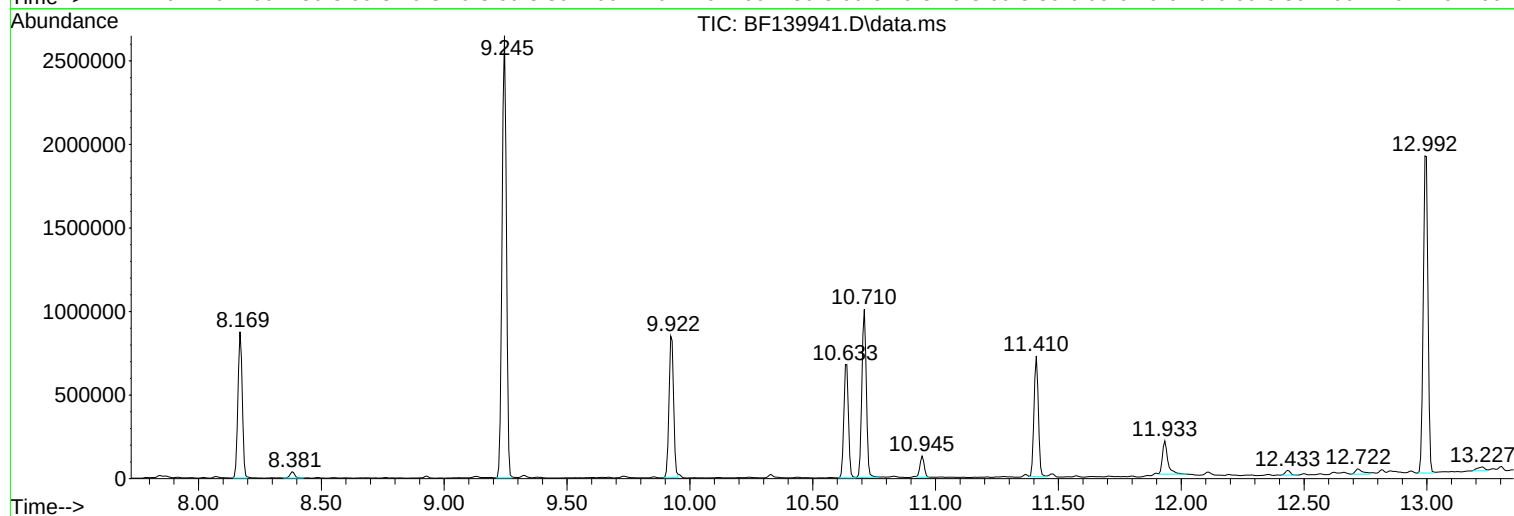
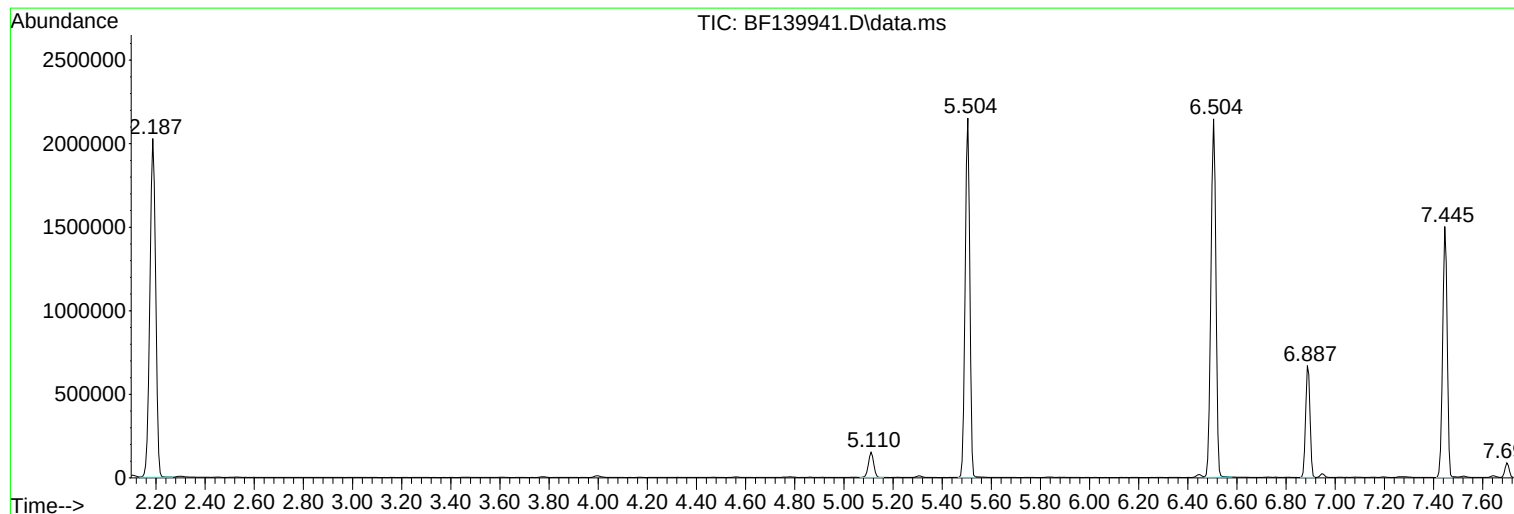
Sum of corrected areas: 27630330

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139941.D
Acq On : 22 Oct 2024 21:20
Operator : RC/JU
Sample : P4385-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.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\BF102224\
Data File : BF139941.D
Acq On : 22 Oct 2024 21:20
Operator : RC/JU
Sample : P4385-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

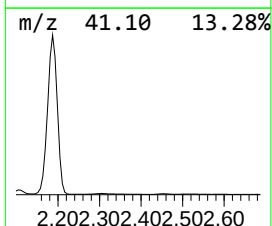
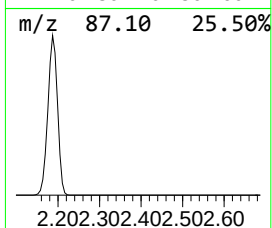
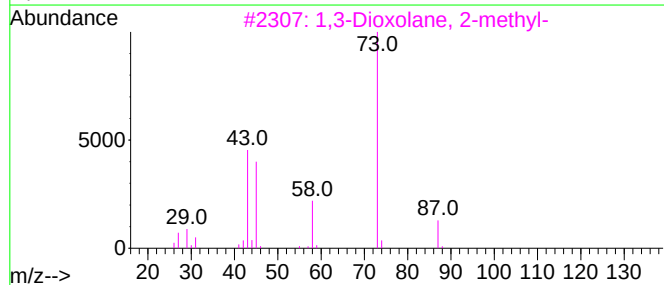
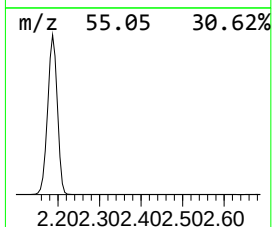
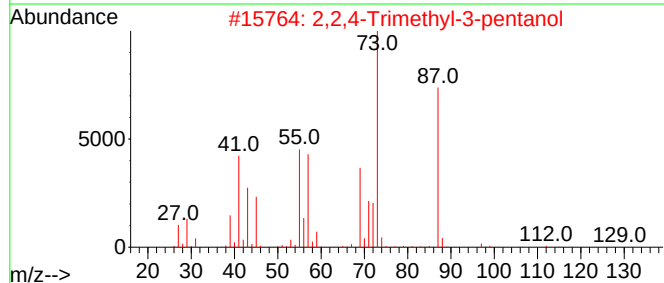
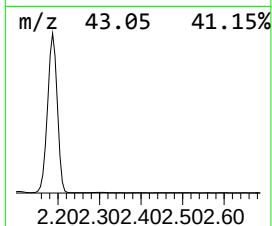
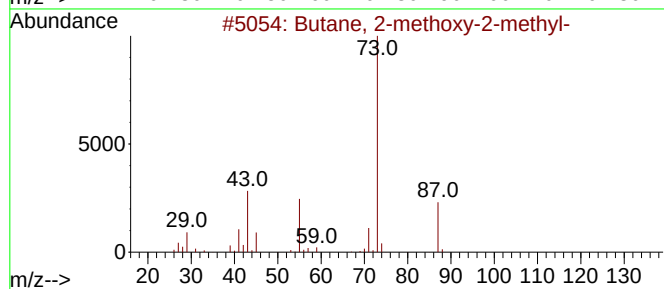
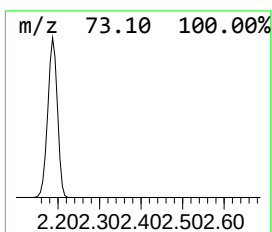
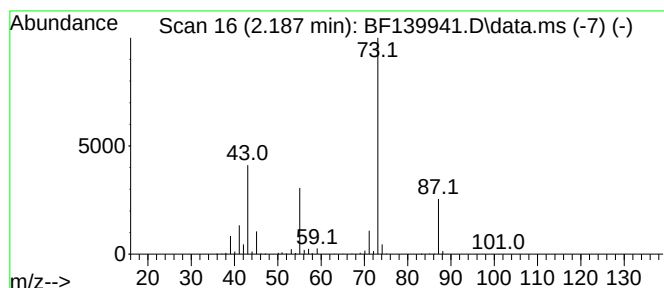
Instrument :
BNA_F
ClientSampleId :
SP-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
2.187	78.81 ng	3279150	1,4-Dichlorobenzene-d4	6.887	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	23
4	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	22
5	Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	17



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139941.D
Acq On : 22 Oct 2024 21:20
Operator : RC/JU
Sample : P4385-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-1

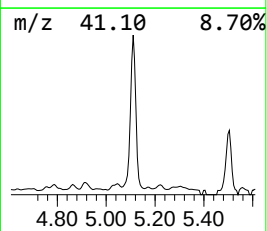
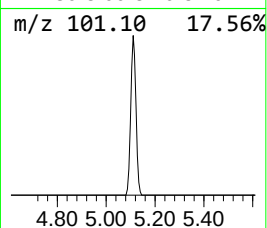
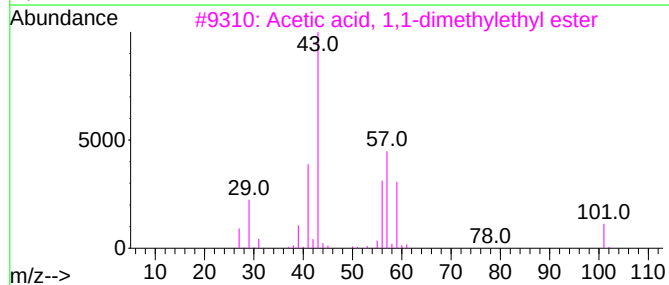
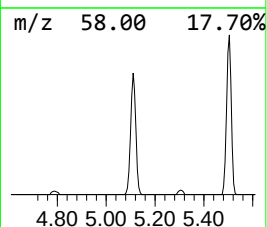
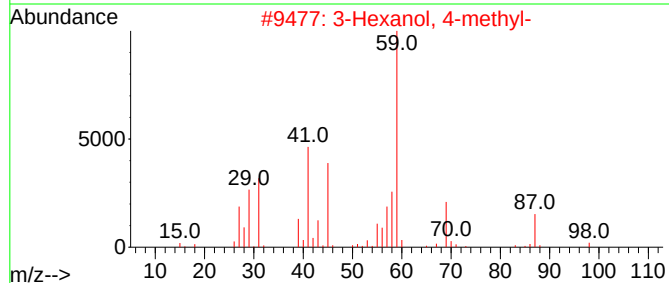
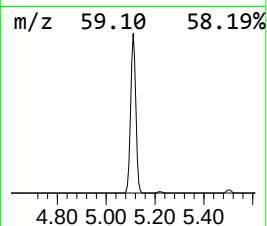
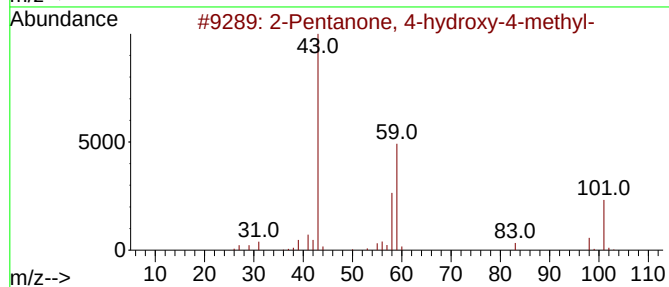
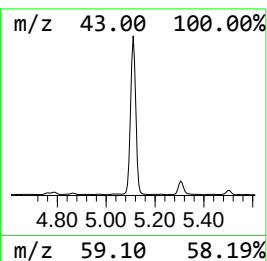
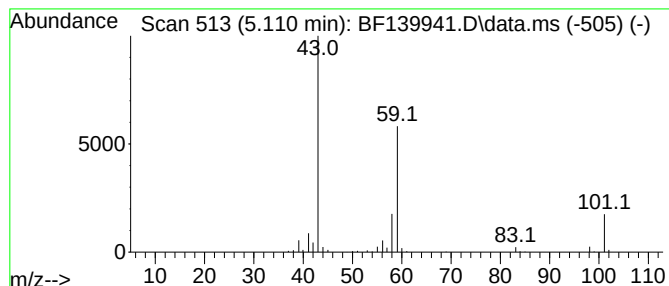
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.110	5.42 ng	225704	1,4-Dichlorobenzene-d4	6.887

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2			3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
3			Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	28
4			Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
5			2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	16



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Operator : RC/JU
Sample : P4385-02
Misc :
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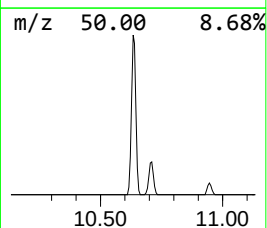
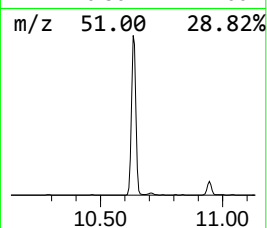
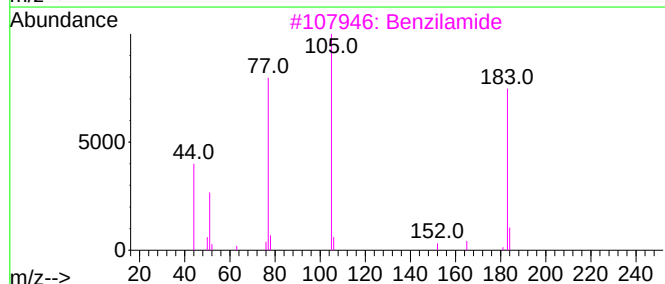
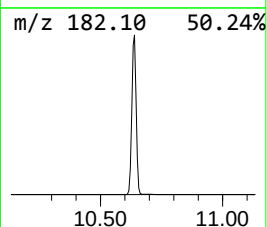
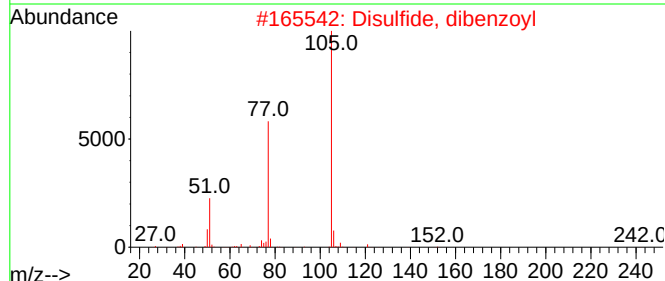
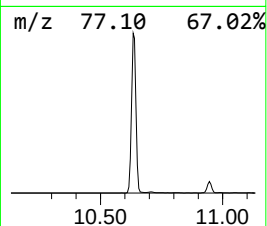
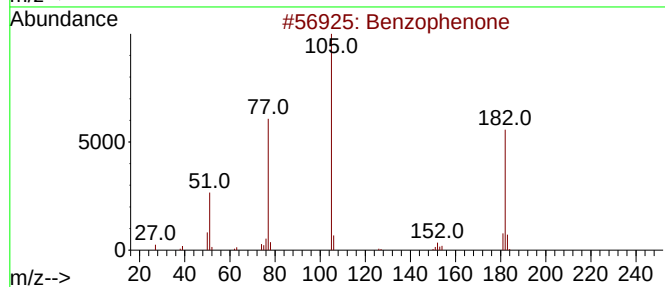
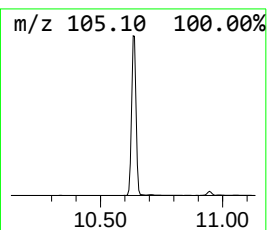
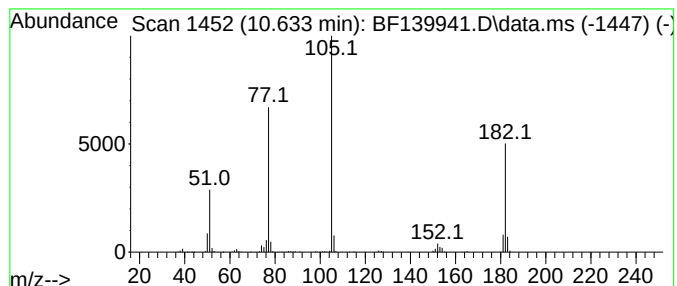
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD		R.T.
10.633	16.07 ng	882492	Acenaphthene-d10		9.922
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	47
3	Benzilamide	227	C14H13NO2	004746-87-6	47
4	N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	47
5	Benzene, (trimethoxymethyl)-	182	C10H14O3	000707-07-3	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
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Sample : P4385-02
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ClientSampleId :
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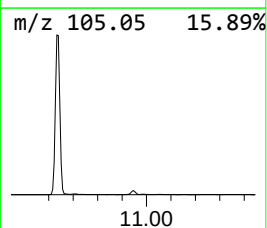
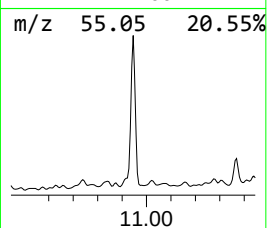
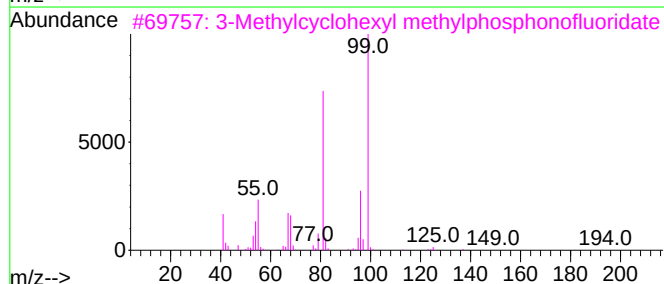
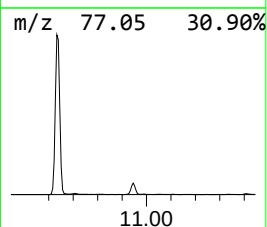
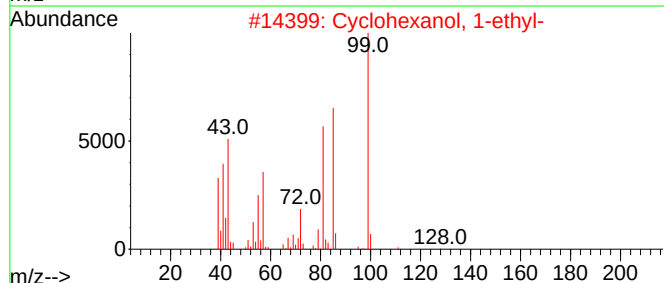
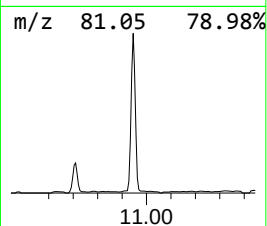
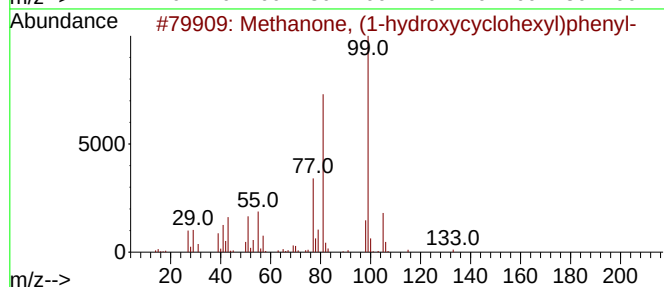
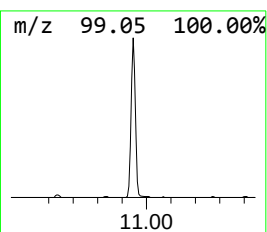
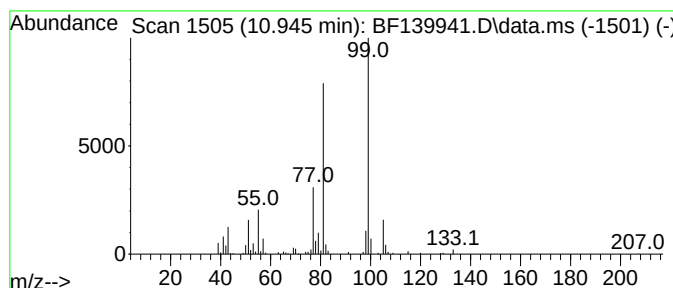
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Methanone, (1-hydroxycyclohexyl) Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.945	3.40 ng	152533	Phenanthrene-d10	11.410

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Methanone, (1-hydroxycyclohexyl)...	204	C13H16O2	000947-19-3	91
2			Cyclohexanol, 1-ethyl-	128	C8H16O	001940-18-7	59
3			3-Methylcyclohexyl methylphospho...	194	C8H16FO2P	113548-86-0	59
4			1-Hydroxycyclohexanecarboxylic acid	144	C7H12O3	001123-28-0	45
5			2-Methylcyclosarin	194	C8H16FO2P	085473-32-1	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
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Sample : P4385-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

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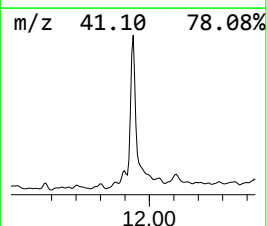
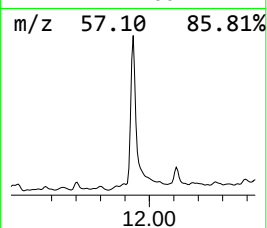
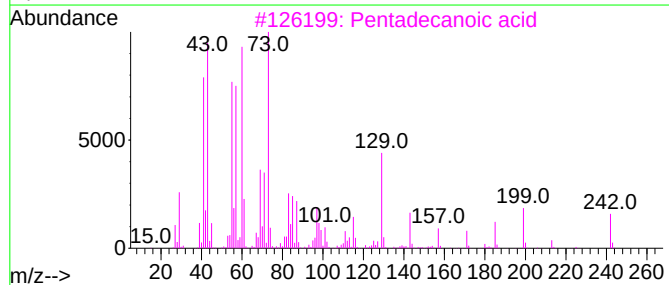
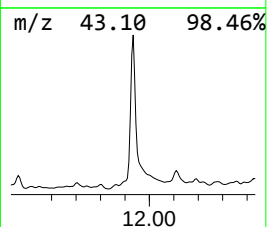
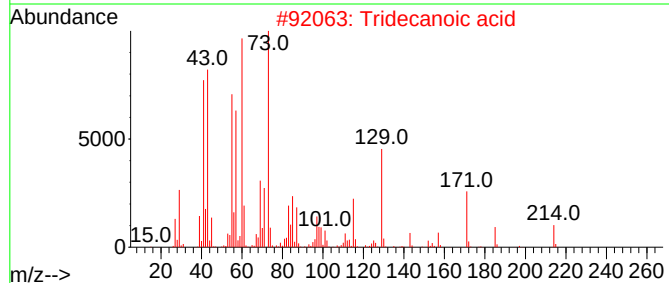
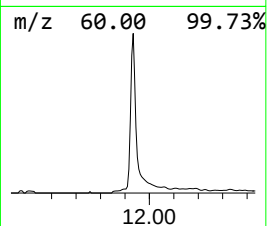
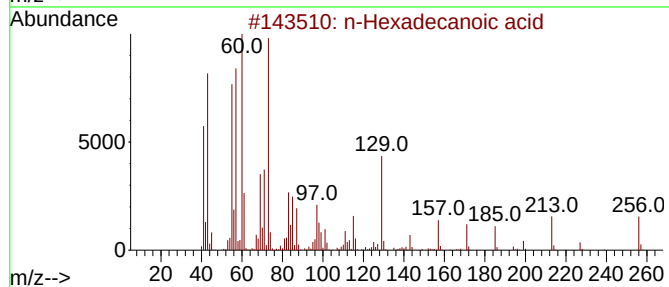
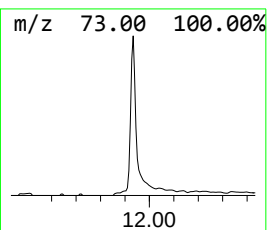
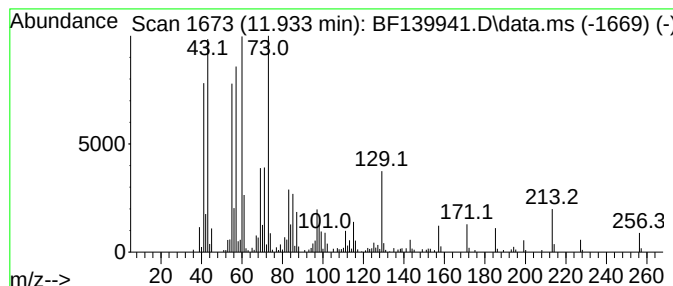
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.933	6.72 ng	301586	Phenanthrene-d10	11.410

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2			Tridecanoic acid	214	C13H26O2	000638-53-9	93
3			Pentadecanoic acid	242	C15H30O2	001002-84-2	93
4			Tetradecanoic acid	228	C14H28O2	000544-63-8	83
5			8-Methylnonanoic acid	172	C10H20O2	005963-14-4	78



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139941.D
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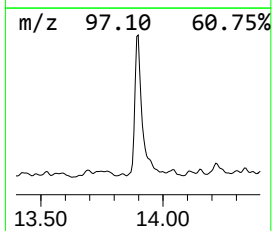
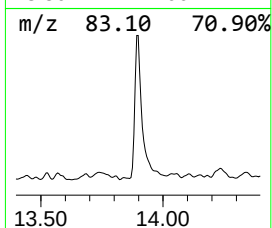
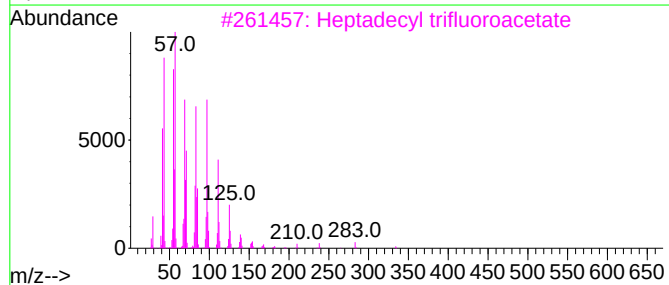
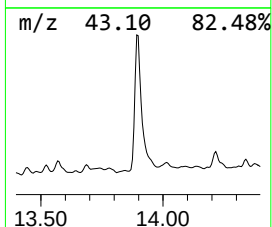
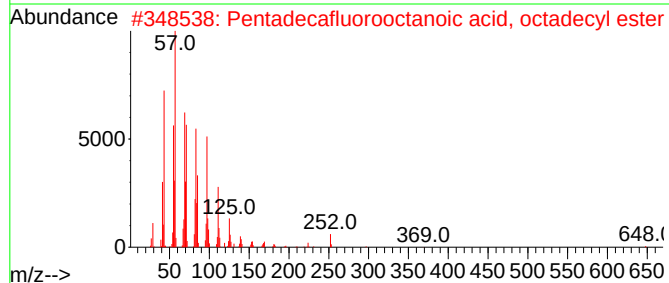
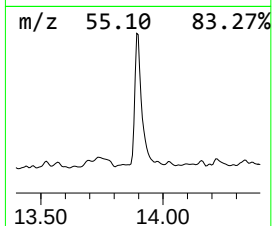
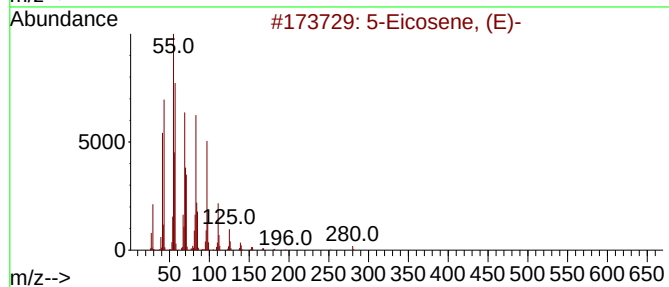
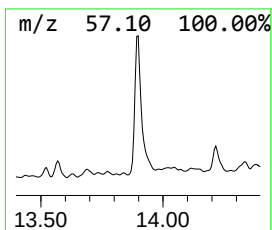
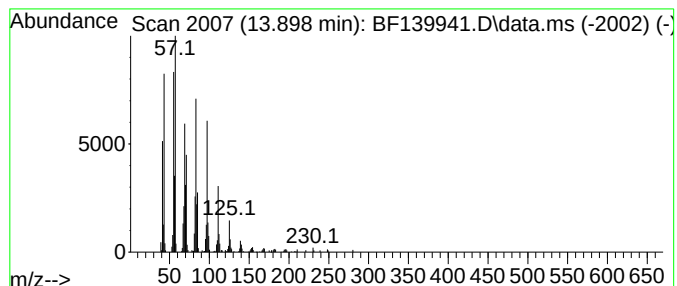
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 5-Eicosene, (E)- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.898	8.42 ng	362160	Chrysene-d12	14.045

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			5-Eicosene, (E)-	280	C20H40	074685-30-6	97
2			Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	95
3			Heptadecyl trifluoroacetate	352	C19H35F3O2	1010351-87-0	94
4			Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	94
5			Pentafluoropropionic acid, penta...	374	C18H31F5O2	959092-08-1	94



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
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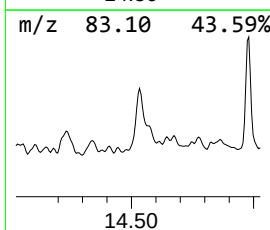
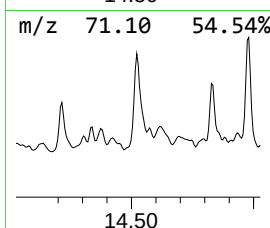
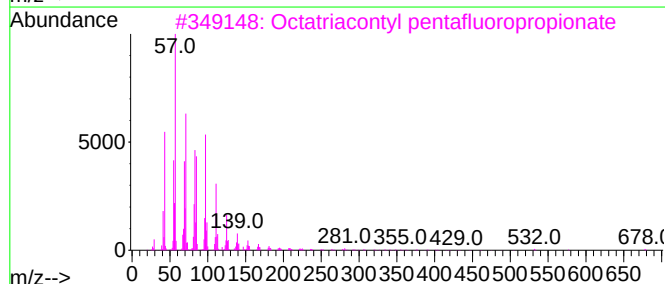
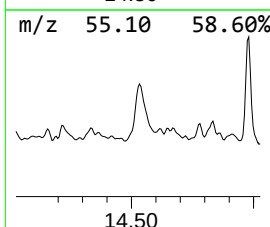
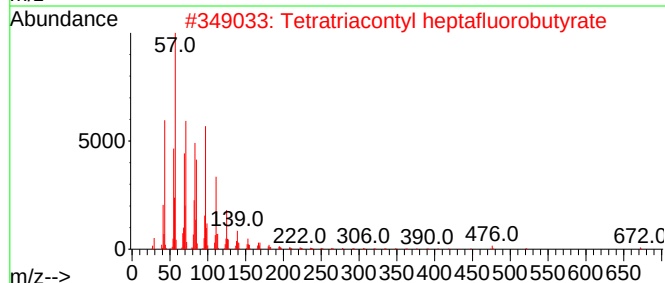
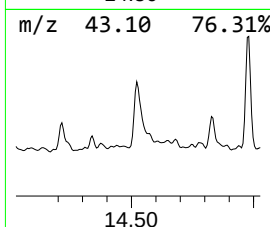
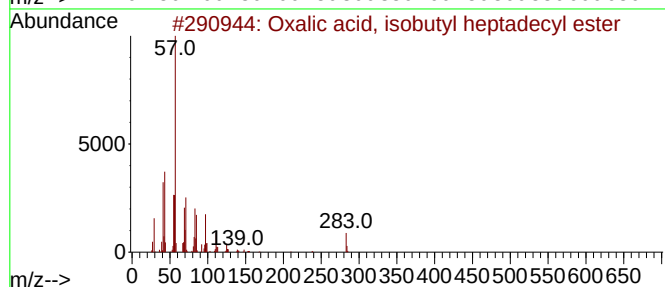
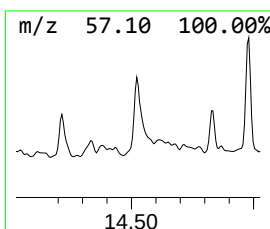
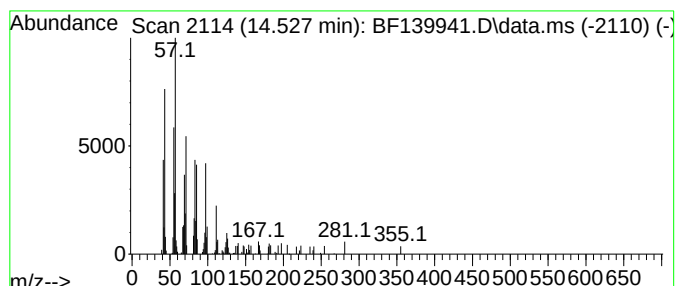
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TIC Library : C:\Database\NIST20.L
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Peak Number 7 Oxalic acid, isobutyl hepta... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.527	2.17 ng	93159	Chrysene-d12	14.045

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Oxalic acid, isobutyl heptadecyl...	384	C23H44O4	1000309-38-2	83
2			Tetratriacontyl heptafluorobutyrate	691	C38H69F7O2	1000351-84-1	83
3			Octatriacontyl pentafluoropropio...	697	C41H77F5O2	1000351-89-1	83
4			Dotriacontyl pentafluoropropionate	612	C35H65F5O2	1010351-81-4	83
5			Oxalic acid, isobutyl octadecyl ...	398	C24H46O4	1000309-38-3	83



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
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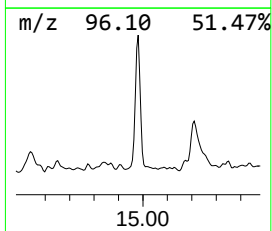
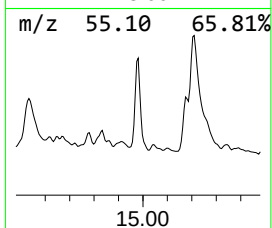
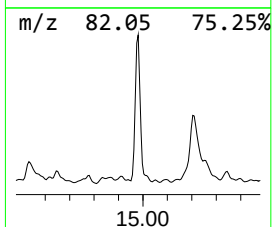
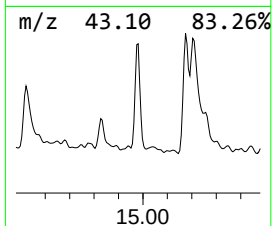
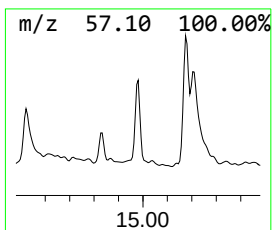
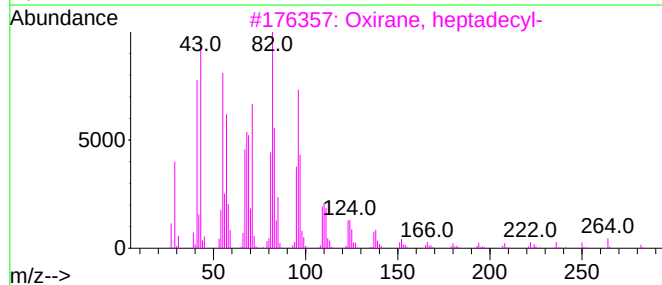
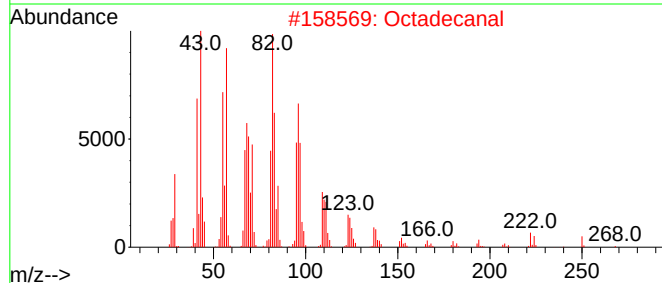
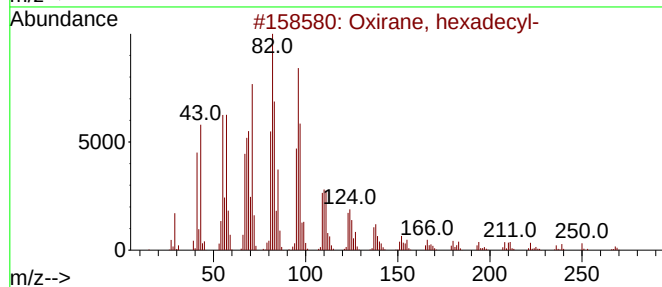
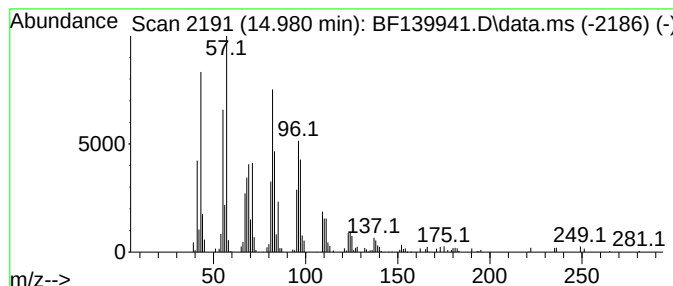
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Oxirane, hexadecyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.980	3.10 ng	139426	Perylene-d12	15.527	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	91
2	Octadecanal	268	C18H36O	000638-66-4	91
3	Oxirane, heptadecyl-	282	C19H38O	067860-04-2	90
4	1,19-Eicosadiene	278	C20H38	014811-95-1	74
5	Pentadecanal-	226	C15H30O	002765-11-9	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
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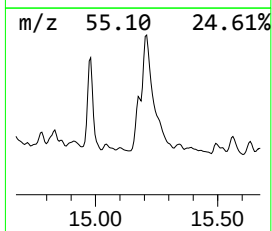
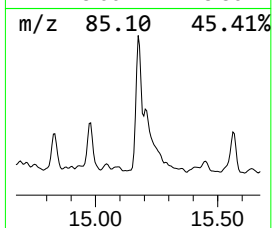
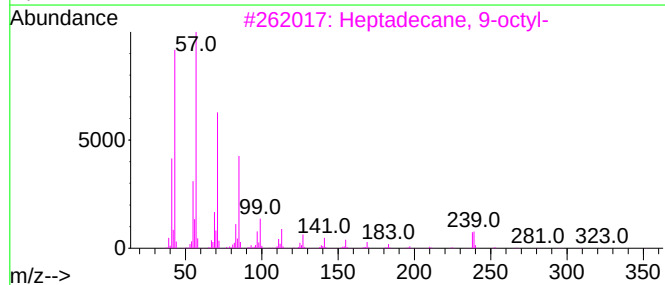
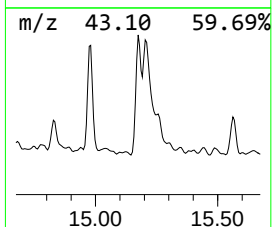
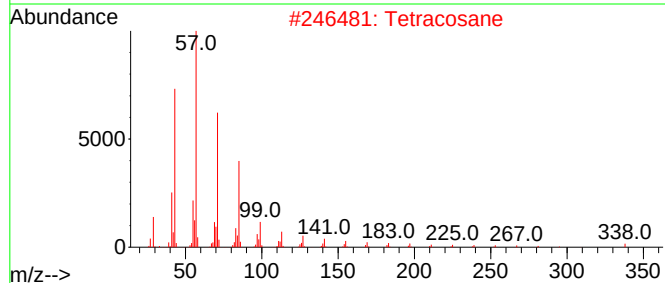
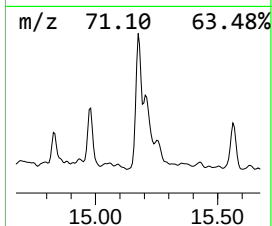
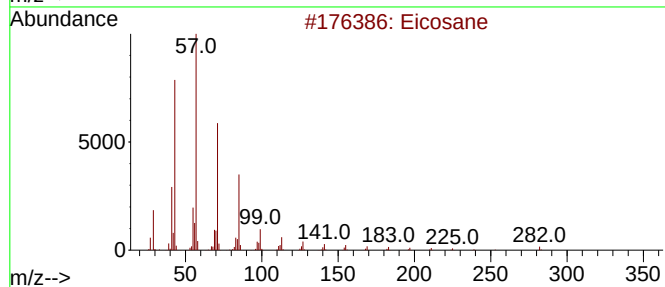
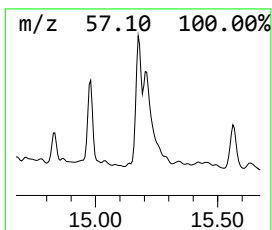
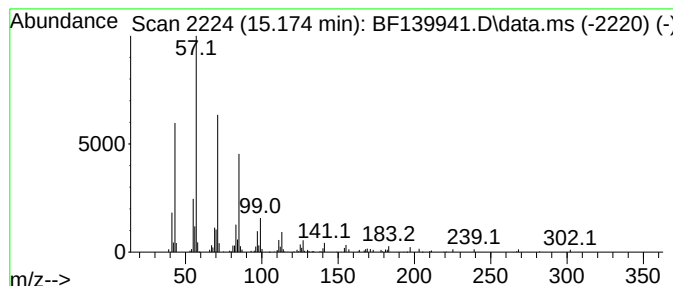
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Eicosane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.174	2.27 ng	102232	Perylene-d12	15.527	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	94
2	Tetracosane	338	C24H50	000646-31-1	91
3	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
4	Octacosane, 2-methyl-	408	C29H60	001560-98-1	91
5	Octacosane	394	C28H58	000630-02-4	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139941.D
Acq On : 22 Oct 2024 21:20
Operator : RC/JU
Sample : P4385-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-1

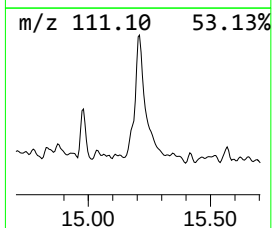
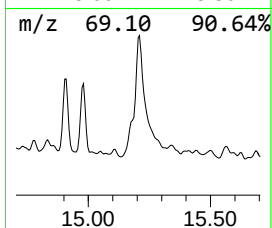
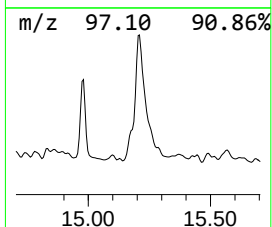
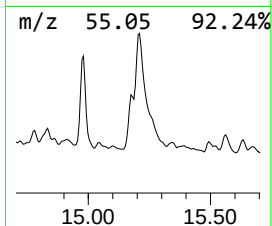
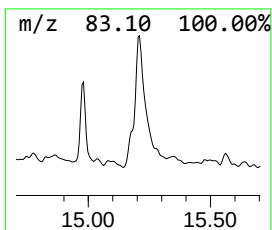
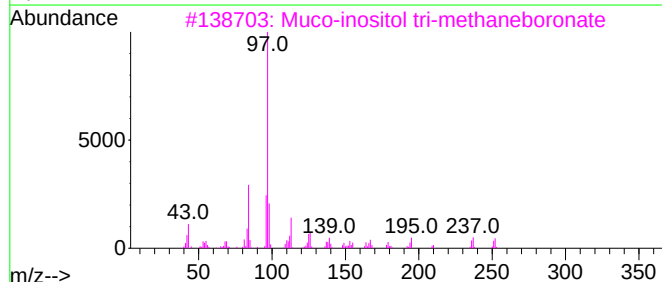
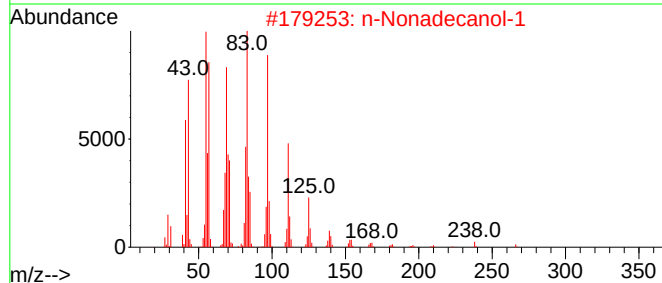
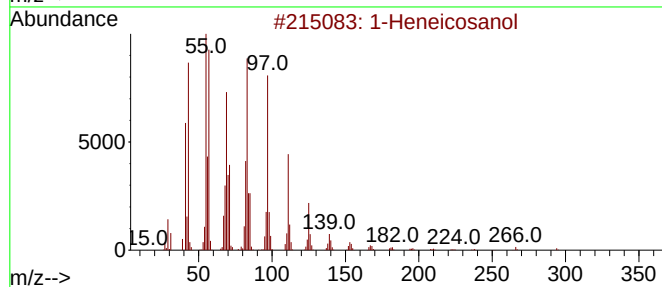
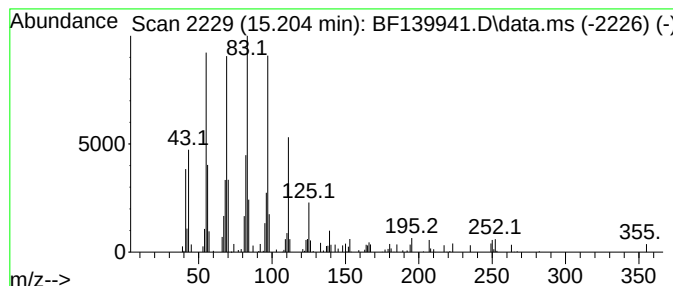
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 1-Heneicosanol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.204	6.35 ng	285476	Perylene-d12	15.527

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-Heneicosanol	312	C21H44O	015594-90-8	91
2		n-Nonadecanol-1	284	C19H40O	001454-84-8	52
3		Muco-inositol tri-methaneboronate	252	C9H15B3O6	1000064-40-0	47
4		Cyclopentane, (2-methylbutyl)-	140	C10H20	053366-38-4	46
5		Disparlure	282	C19H38O	029804-22-6	46



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139941.D
Acq On : 22 Oct 2024 21:20
Operator : RC/JU
Sample : P4385-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-1

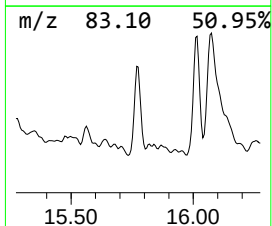
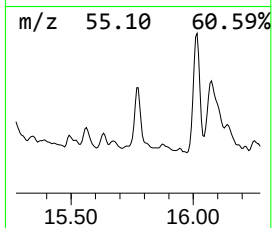
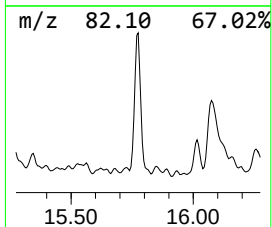
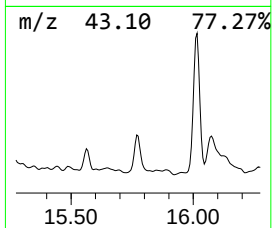
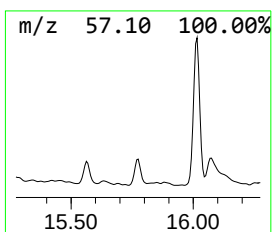
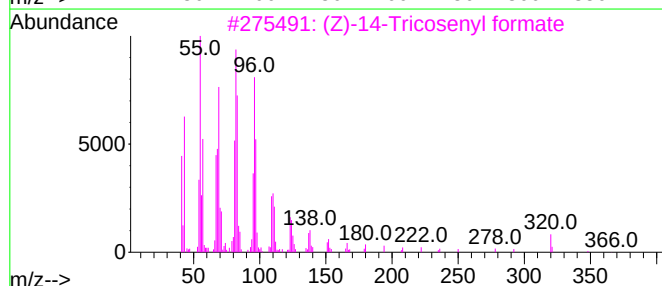
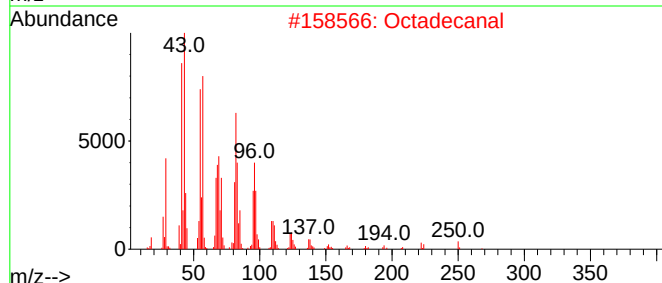
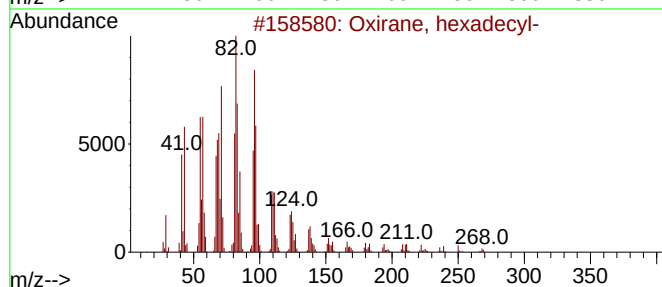
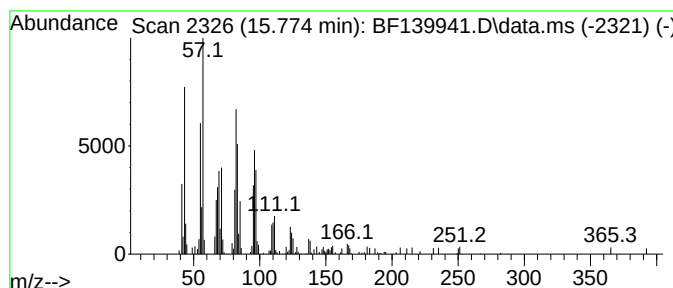
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Octadecanal Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.774	2.28 ng	102481	Perylene-d12	15.527

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Oxirane, hexadecyl-	268	C18H36O	007390-81-0	94
2		Octadecanal	268	C18H36O	000638-66-4	86
3		(Z)-14-Tricosenyl formate	366	C24H46O2	077899-10-6	70
4		Oxirane, heptadecyl-	282	C19H38O	067860-04-2	68
5		1,19-Eicosadiene	278	C20H38	014811-95-1	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139941.D
Acq On : 22 Oct 2024 21:20
Operator : RC/JU
Sample : P4385-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

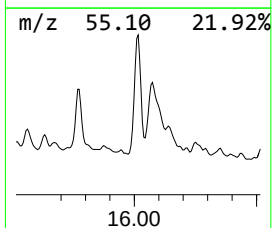
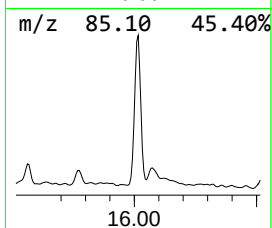
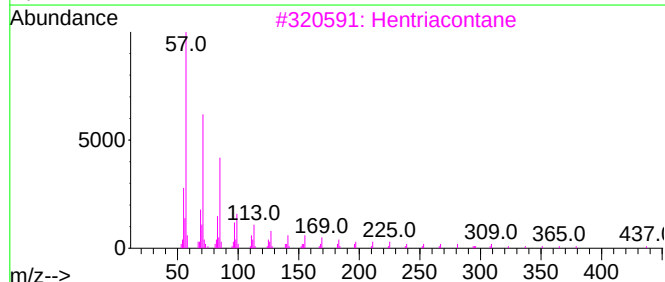
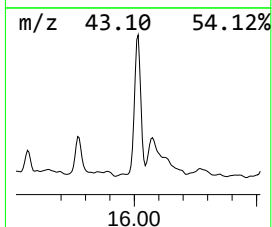
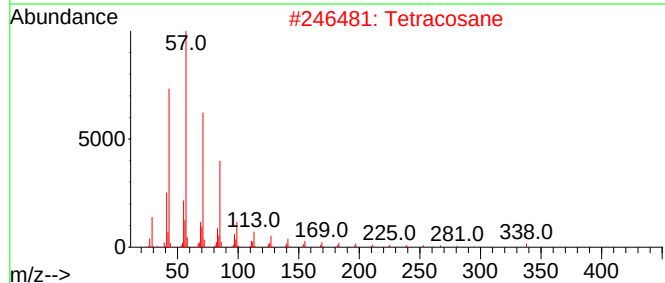
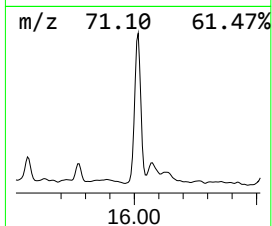
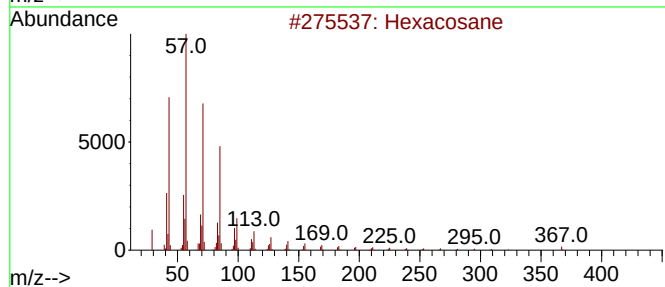
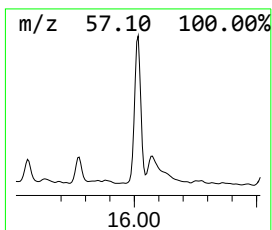
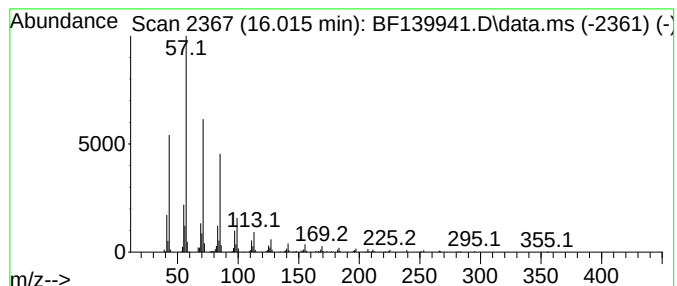
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Hexacosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
16.015	6.35 ng	285667	Perylene-d12	15.527	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	94
2	Tetracosane	338	C24H50	000646-31-1	91
3	Hentriacontane	437	C31H64	000630-04-6	91
4	Octacosane	394	C28H58	000630-02-4	91
5	Tetratetracontane	619	C44H90	007098-22-8	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
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Acq On : 22 Oct 2024 21:20
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Sample : P4385-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

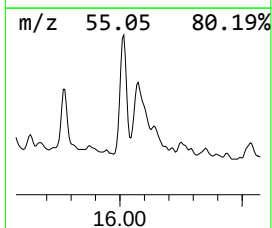
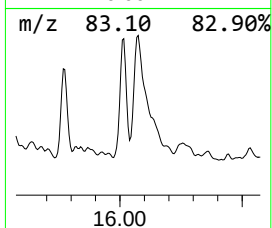
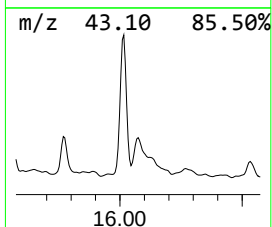
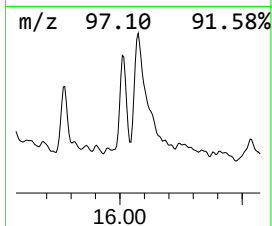
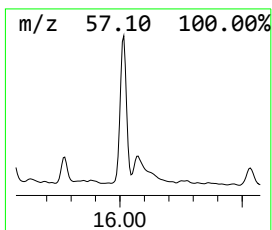
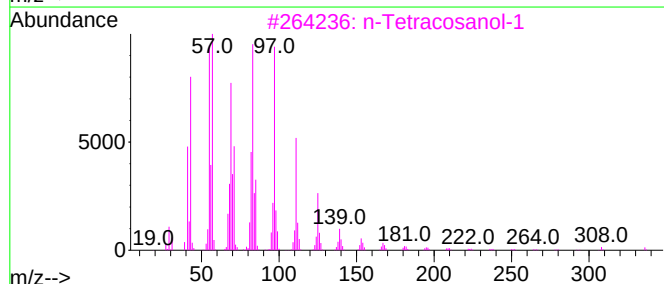
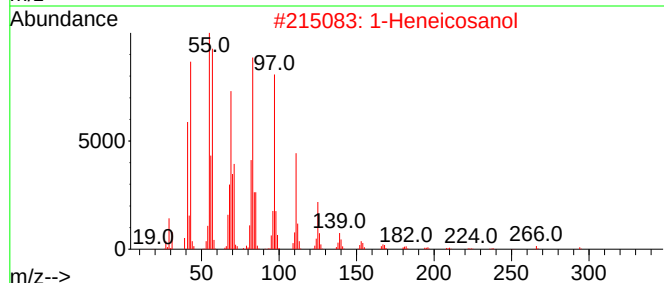
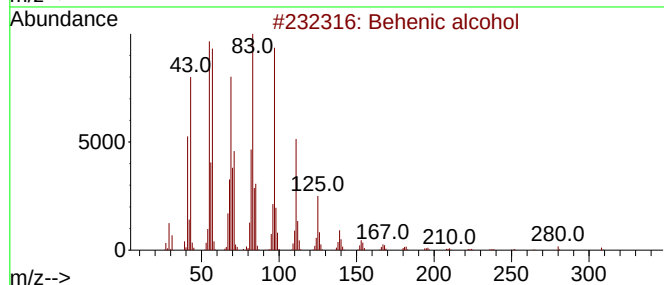
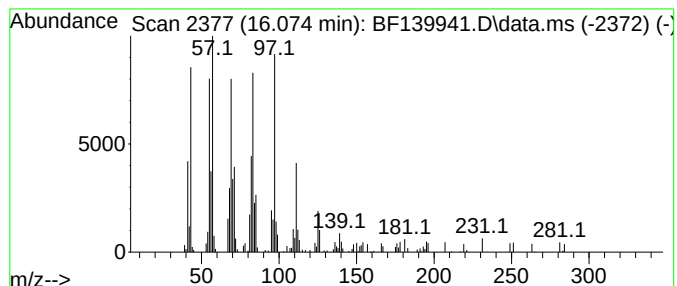
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Behenic alcohol Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
16.074	3.07 ng	137826	Perylene-d12	15.527	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Behenic alcohol	326	C22H46O	000661-19-8	95
2	1-Heneicosanol	312	C21H44O	015594-90-8	95
3	n-Tetracosanol-1	354	C24H50O	000506-51-4	93
4	Cyclotetradecane	196	C14H28	000295-17-0	93
5	1-Hexacosene	364	C26H52	018835-33-1	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139941.D
Acq On : 22 Oct 2024 21:20
Operator : RC/JU
Sample : P4385-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

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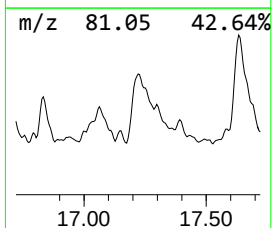
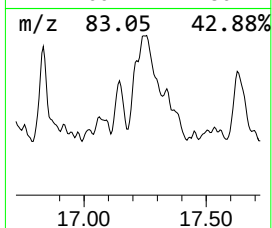
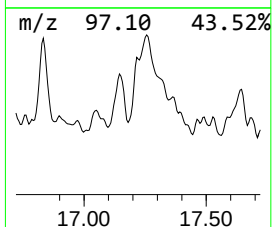
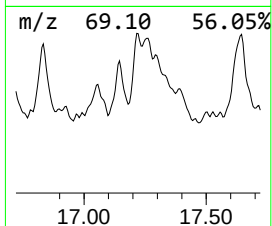
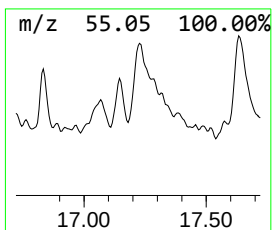
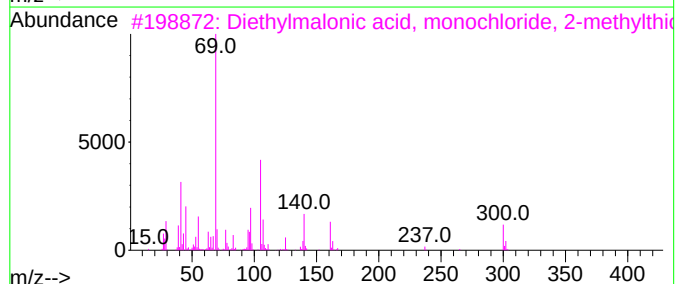
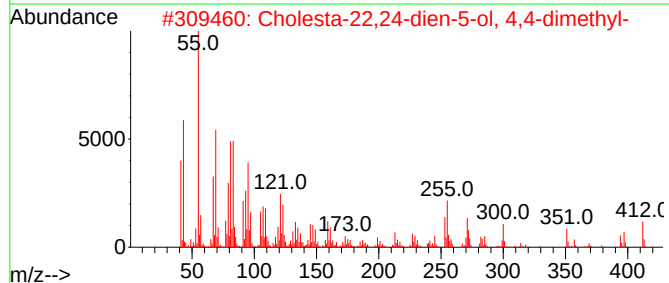
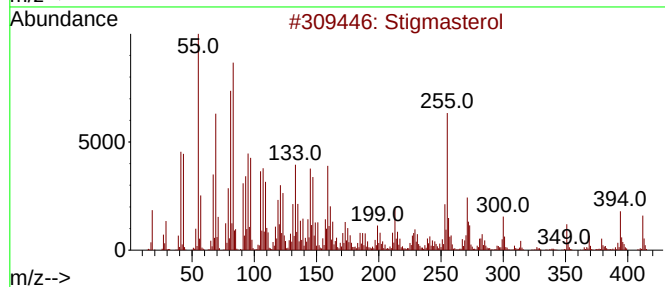
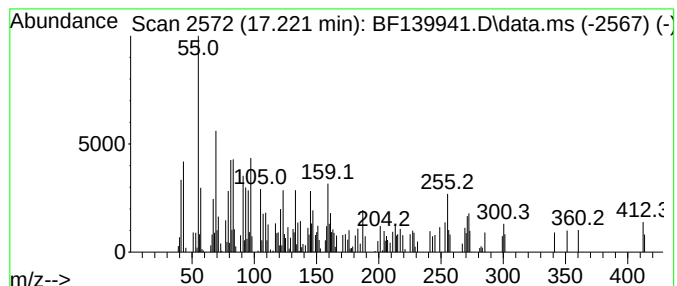
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Stigmasterol Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.221	3.82 ng	171859	Perylene-d12	15.527

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Stigmasterol	412	C29H48O	000083-48-7	87
2			Cholesta-22,24-dien-5-ol, 4,4-di...	412	C29H48O	1000128-66-1	53
3			Diethylmalonic acid, monochlorid...	300	C14H17ClO3S	1000369-54-4	11
4			22-Stigmasten-3-one	412	C29H48O	004736-95-2	11
5			Chondrillasterol	412	C29H48O	000481-17-4	10



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139941.D
Acq On : 22 Oct 2024 21:20
Operator : RC/JU
Sample : P4385-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

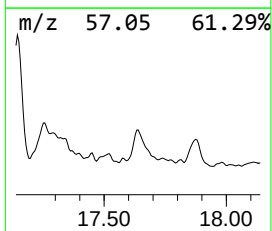
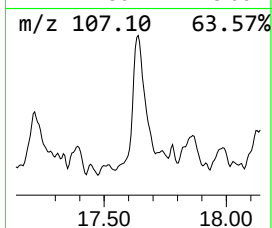
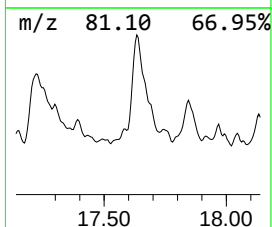
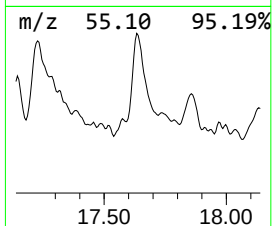
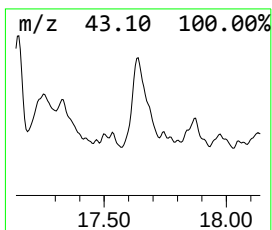
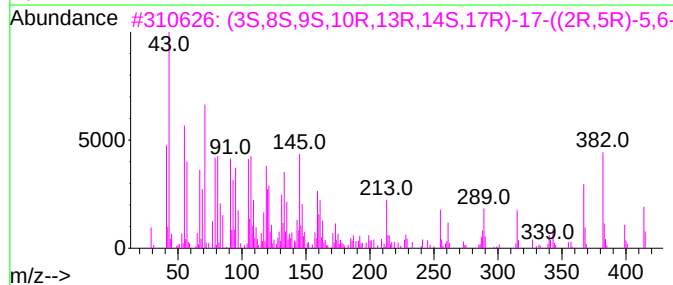
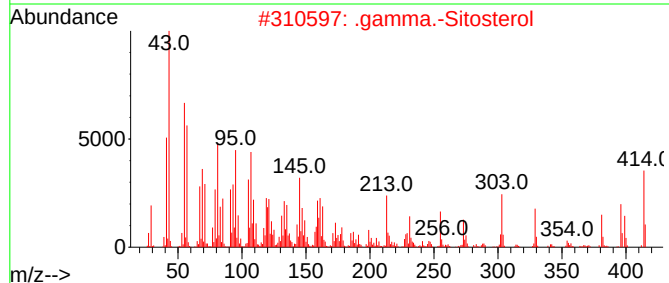
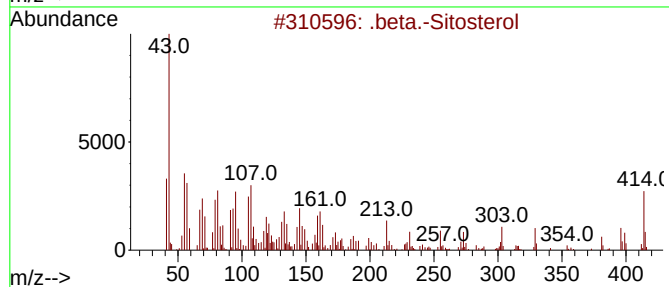
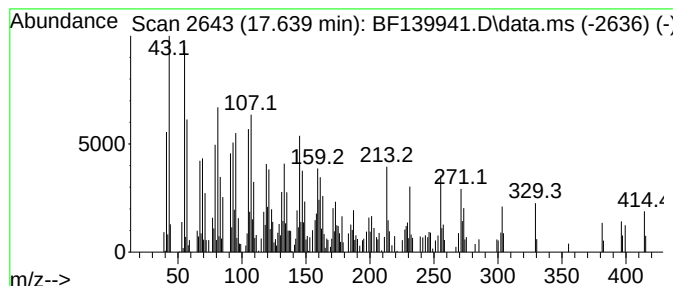
Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 .beta.-Sitosterol Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
17.639	5.83 ng	262088	Perylene-d12	15.527	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-Sitosterol	414	C29H50O	000083-46-5	99
2	.gamma.-Sitosterol	414	C29H50O	000083-47-6	87
3	(3S,8S,9S,10R,13R,14S,17R)-17-((...)	414	C29H50O	029365-29-5	83
4	Boscactol F	300	C20H28O2	1486443-17-7	74
5	Androst-5,16-diene-3.beta.-ol	272	C19H28O	001224-94-8	58



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139941.D
Acq On : 22 Oct 2024 21:20
Operator : RC/JU
Sample : P4385-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.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
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2-Pentanone, 4-...	5.110	5.4	ng	225704	1	6.887	832153	20.0
Benzophenone	10.633	16.1	ng	882492	3	9.922	1098310	20.0
Methanone, (1-h...	10.945	3.4	ng	152533	4	11.410	897512	20.0
n-Hexadecanoic ...	11.933	6.7	ng	301586	4	11.410	897512	20.0
5-Eicosene, (E)-	13.898	8.4	ng	362160	5	14.045	860025	20.0
Oxalic acid, is...	14.527	2.2	ng	93159	5	14.045	860025	20.0
Oxirane, hexade...	14.980	3.1	ng	139426	6	15.527	899329	20.0
Eicosane	15.174	2.3	ng	102232	6	15.527	899329	20.0
1-Heneicosanol	15.204	6.3	ng	285476	6	15.527	899329	20.0
Octadecanal	15.774	2.3	ng	102481	6	15.527	899329	20.0
Hexacosane	16.015	6.3	ng	285667	6	15.527	899329	20.0
Behenic alcohol	16.074	3.1	ng	137826	6	15.527	899329	20.0
Stigmasterol	17.221	3.8	ng	171859	6	15.527	899329	20.0
.beta.-Sitosterol	17.639	5.8	ng	262088	6	15.527	899329	20.0

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-2	SDG No.:	P4385
Lab Sample ID:	P4385-04	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	95
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
BF139937.D	1	10/11/24 09:38	10/22/24 19:25	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	190	U	190	350	ug/Kg
108-95-2	Phenol	87.1	U	87.1	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	87.9	U	87.9	180	ug/Kg
95-57-8	2-Chlorophenol	87.7	U	87.7	180	ug/Kg
95-48-7	2-Methylphenol	84.6	U	84.6	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	95.5	U	95.5	180	ug/Kg
98-86-2	Acetophenone	91.3	U	91.3	180	ug/Kg
65794-96-9	3+4-Methylphenols	83.8	U	83.8	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	42.3	U	42.3	84.0	ug/Kg
67-72-1	Hexachloroethane	87.2	U	87.2	180	ug/Kg
98-95-3	Nitrobenzene	95.4	U	95.4	180	ug/Kg
78-59-1	Isophorone	88.8	U	88.8	180	ug/Kg
88-75-5	2-Nitrophenol	99.2	U	99.2	180	ug/Kg
105-67-9	2,4-Dimethylphenol	97.9	U	97.9	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	90.1	U	90.1	180	ug/Kg
120-83-2	2,4-Dichlorophenol	79.3	U	79.3	180	ug/Kg
91-20-3	Naphthalene	86.7	U	86.7	180	ug/Kg
106-47-8	4-Chloroaniline	86.7	UQ	86.7	180	ug/Kg
87-68-3	Hexachlorobutadiene	87.5	U	87.5	180	ug/Kg
105-60-2	Caprolactam	91.2	U	91.2	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	81.4	U	81.4	180	ug/Kg
91-57-6	2-Methylnaphthalene	86.6	U	86.6	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	UQ	160	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	75.0	U	75.0	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	77.7	U	77.7	180	ug/Kg
92-52-4	1,1-Biphenyl	91.8	U	91.8	180	ug/Kg
91-58-7	2-Chloronaphthalene	87.5	U	87.5	180	ug/Kg
88-74-4	2-Nitroaniline	99.8	U	99.8	180	ug/Kg
131-11-3	Dimethylphthalate	85.8	U	85.8	180	ug/Kg

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-2	SDG No.:	P4385
Lab Sample ID:	P4385-04	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	95
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
BF139937.D	1	10/11/24 09:38	10/22/24 19:25	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	90.8	U	90.8	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	87.4	U	87.4	180	ug/Kg
99-09-2	3-Nitroaniline	93.7	UQ	93.7	180	ug/Kg
83-32-9	Acenaphthene	85.2	U	85.2	180	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	350	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	350	ug/Kg
132-64-9	Dibenzofuran	88.6	U	88.6	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	90.5	U	90.5	180	ug/Kg
84-66-2	Diethylphthalate	84.1	U	84.1	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	89.9	U	89.9	180	ug/Kg
86-73-7	Fluorene	89.8	U	89.8	180	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	UQ	120	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	85.7	U	85.7	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	82.9	U	82.9	180	ug/Kg
118-74-1	Hexachlorobenzene	89.3	U	89.3	180	ug/Kg
1912-24-9	Atrazine	96.0	U	96.0	180	ug/Kg
87-86-5	Pentachlorophenol	81.2	U	81.2	350	ug/Kg
85-01-8	Phenanthrene	88.2	U	88.2	180	ug/Kg
120-12-7	Anthracene	88.6	U	88.6	180	ug/Kg
86-74-8	Carbazole	84.3	U	84.3	180	ug/Kg
84-74-2	Di-n-butylphthalate	88.5	U	88.5	180	ug/Kg
206-44-0	Fluoranthene	85.8	U	85.8	180	ug/Kg
129-00-0	Pyrene	87.2	U	87.2	180	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	100	U	100	350	ug/Kg
56-55-3	Benzo(a)anthracene	84.7	U	84.7	180	ug/Kg
218-01-9	Chrysene	83.5	U	83.5	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	95.6	U	95.6	180	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	85.2	U	85.2	180	ug/Kg

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-2	SDG No.:	P4385
Lab Sample ID:	P4385-04	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	95
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
BF139937.D	1	10/11/24 09:38	10/22/24 19:25	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	86.7	U	86.7	180	ug/Kg
50-32-8	Benzo(a)pyrene	97.7	U	97.7	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	82.0	U	82.0	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	85.3	U	85.3	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	84.1	U	84.1	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	91.2	U	91.2	180	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	78.4	U	78.4	180	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	73.0		30 (18) - 130 (112)	49%	SPK: 150
13127-88-3	Phenol-d6	71.0		30 (15) - 130 (107)	47%	SPK: 150
4165-60-0	Nitrobenzene-d5	53.7		30 (18) - 130 (107)	54%	SPK: 100
321-60-8	2-Fluorobiphenyl	57.1		30 (20) - 130 (109)	57%	SPK: 100
118-79-6	2,4,6-Tribromophenol	47.4		30 (10) - 130 (116)	32%	SPK: 150
1718-51-0	Terphenyl-d14	43.0		30 (10) - 130 (105)	43%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	152000	6.887
1146-65-2	Naphthalene-d8	581000	8.169
15067-26-2	Acenaphthene-d10	305000	9.922
1517-22-2	Phenanthrene-d10	450000	11.41
1719-03-5	Chrysene-d12	326000	14.045
1520-96-3	Perylene-d12	360000	15.527

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	2200	JB	2.18	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	140	AB	5.10	ug/Kg
000119-61-9	Benzophenone	460	J	10.6	ug/Kg
000947-19-3	Methanone, (1-hydroxycyclohexyl)ph	97.7	J	10.9	ug/Kg
015594-90-8	1-Heneicosanol	240	J	13.9	ug/Kg
1000383-11-5	Carbonic acid, octadecyl prop-1-en	90.7	J	14.5	ug/Kg
000638-66-4	Octadecanal	150	J	15.0	ug/Kg

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-2	SDG No.:	P4385
Lab Sample ID:	P4385-04	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	95
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
BF139937.D	1	10/11/24 09:38	10/22/24 19:25	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000630-01-3	Hexacosane	81.2	J		15.2	ug/Kg
002004-39-9	1-Heptacosanol	290	J		15.2	ug/Kg
007390-81-0	Oxirane, hexadecyl-	97.3	J		15.8	ug/Kg
007098-22-8	Tetratetracontane	210	J		16.0	ug/Kg
000557-61-9	Octacosanol	75.3	J		16.1	ug/Kg
067860-04-2	Oxirane, heptadecyl-	75.6	J		16.8	ug/Kg
	unknown17.221	170	J		17.2	ug/Kg
000083-47-6	.gamma.-Sitosterol	280	J		17.6	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139937.D
Acq On : 22 Oct 2024 19:25
Operator : RC/JU
Sample : P4385-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-2

Quant Time: Oct 23 01:12:32 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	151716	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	581488	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	304861	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	449838	20.000	ng	0.00
76) Chrysene-d12	14.045	240	325843	20.000	ng	0.00
86) Perylene-d12	15.527	264	359851	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	706993	72.951	ng	0.00
7) Phenol-d6	6.504	99	891767	71.047	ng	0.00
23) Nitrobenzene-d5	7.445	82	563214	53.682	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	135085	47.372	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1053954	57.136	ng	0.00
79) Terphenyl-d14	12.998	244	859406	42.977	ng	0.00

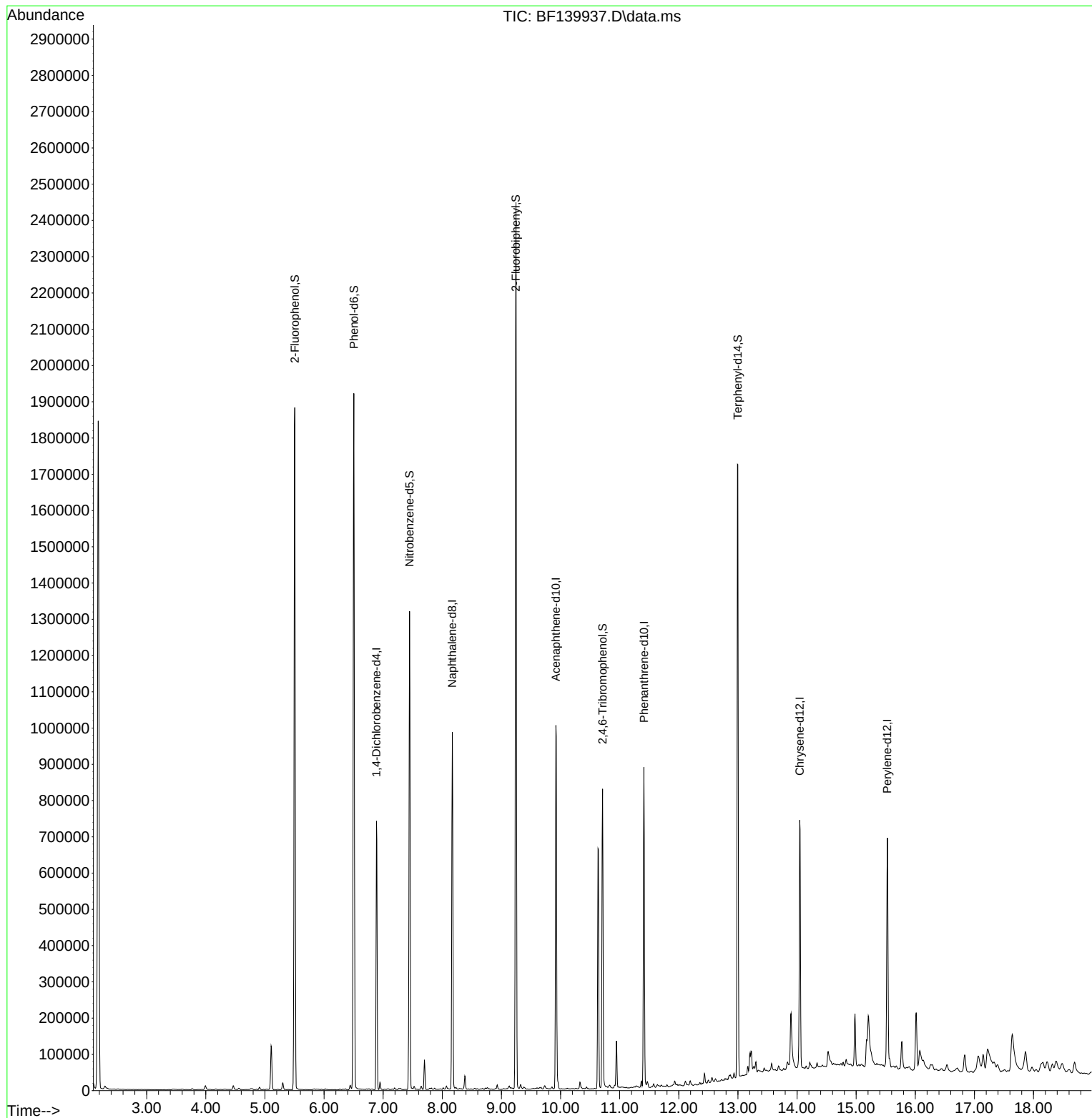
Target Compounds	Qvalue

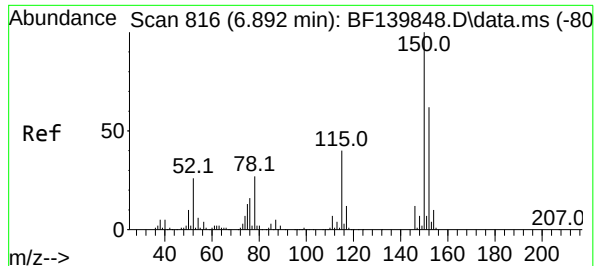
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139937.D
Acq On : 22 Oct 2024 19:25
Operator : RC/JU
Sample : P4385-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-2

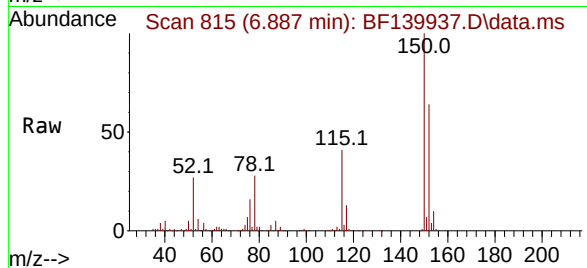
Quant Time: Oct 23 01:12:32 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration



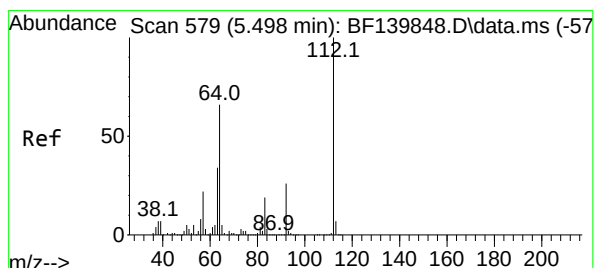
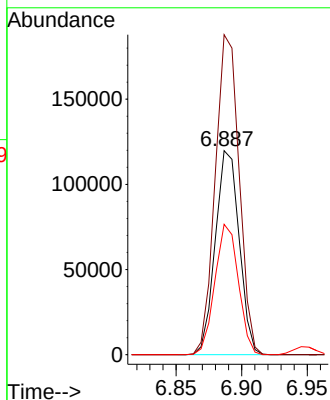
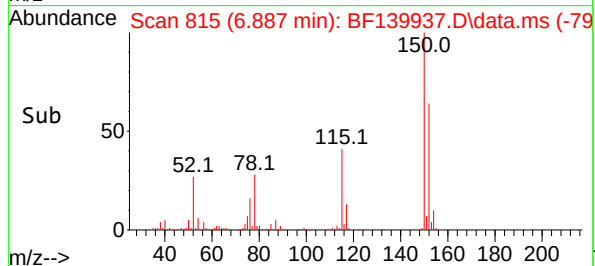


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.005 min
Lab File: BF139937.D
Acq: 22 Oct 2024 19:25

Instrument :
BNA_F
ClientSampleId :
SP-2

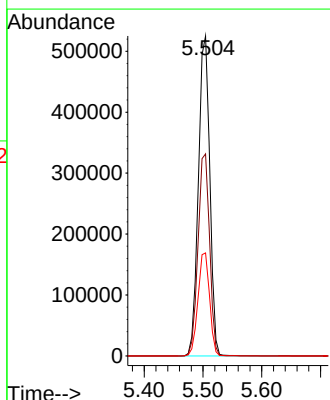
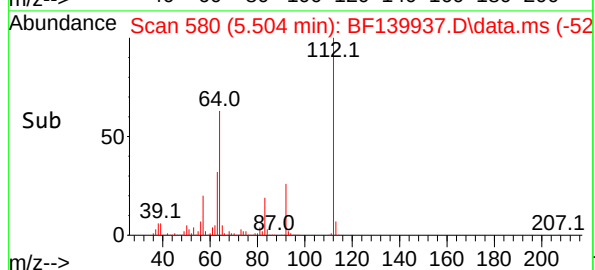
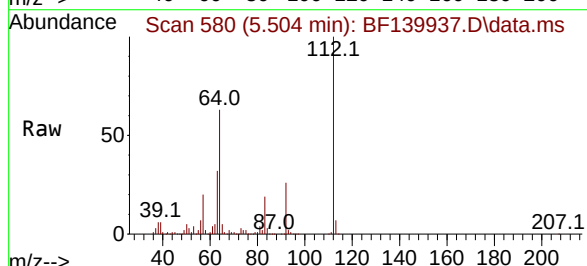


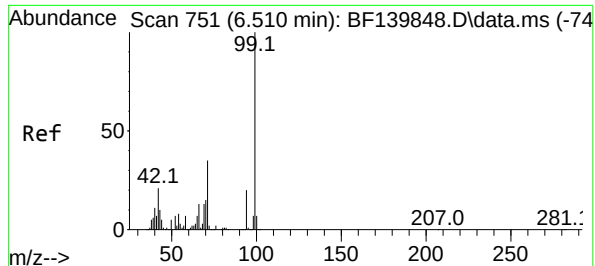
Tgt Ion:152 Resp: 151716
Ion Ratio Lower Upper
152 100
150 156.9 130.2 195.2
115 64.0 51.4 77.2



#5
2-Fluorophenol
Concen: 72.951 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF139937.D
Acq: 22 Oct 2024 19:25

Tgt Ion:112 Resp: 706993
Ion Ratio Lower Upper
112 100
64 63.1 53.0 79.6
63 32.2 27.0 40.4

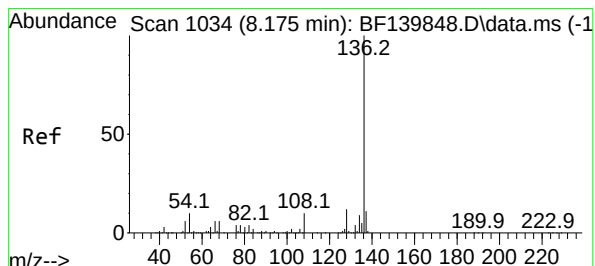
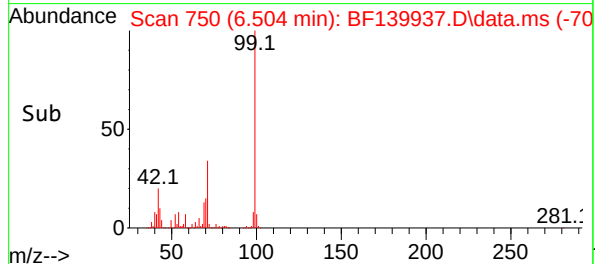
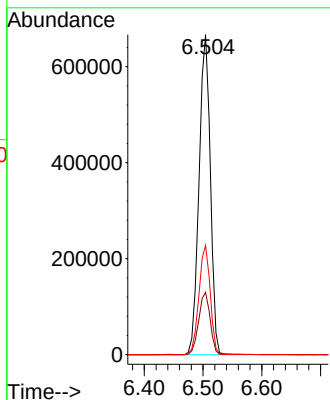
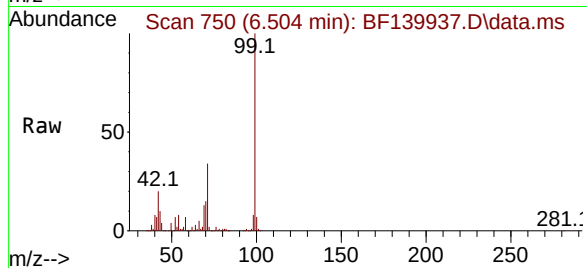




#7
Phenol-d6
Concen: 71.047 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF139937.D
Acq: 22 Oct 2024 19:25

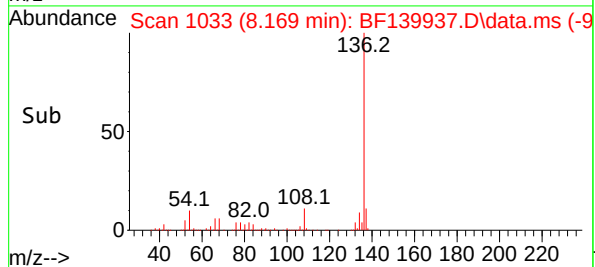
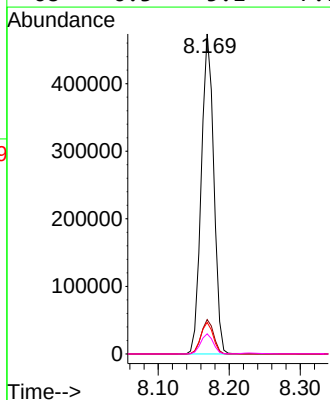
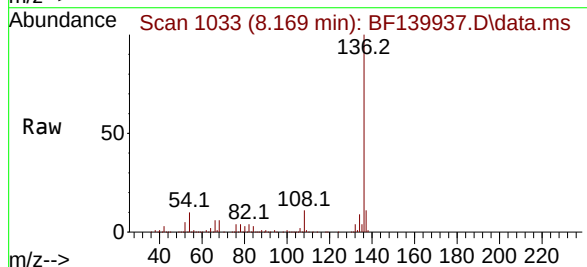
Instrument :
BNA_F
ClientSampleId :
SP-2

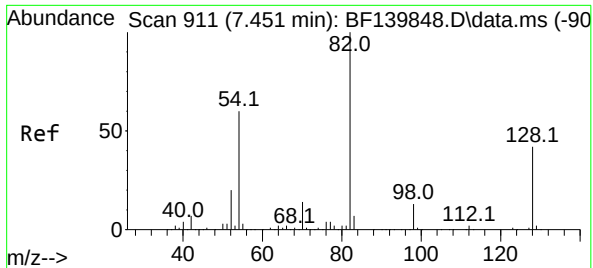
Tgt Ion: 99 Resp: 891767
Ion Ratio Lower Upper
99 100
42 19.5 16.7 25.1
71 34.1 27.7 41.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF139937.D
Acq: 22 Oct 2024 19:25

Tgt Ion: 136 Resp: 581488
Ion Ratio Lower Upper
136 100
137 10.7 8.6 12.8
54 9.9 8.4 12.6
68 6.3 5.1 7.7





#23

Nitrobenzene-d5

Concen: 53.682 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF139937.D

Acq: 22 Oct 2024 19:25

Instrument :

BNA_F

ClientSampleId :

SP-2

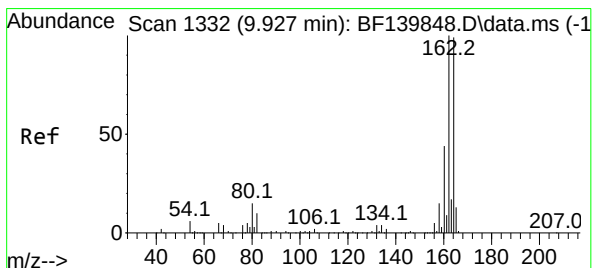
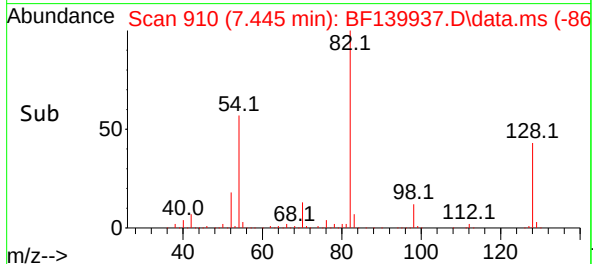
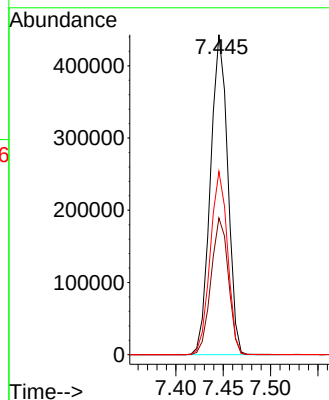
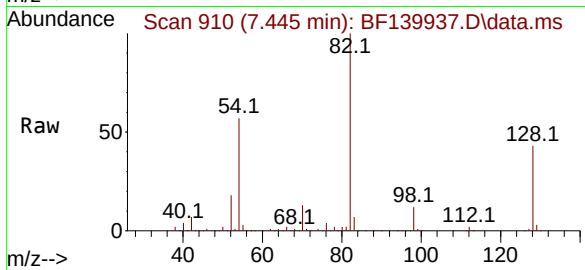
Tgt Ion: 82 Resp: 563214

Ion Ratio Lower Upper

82 100

128 42.7 33.4 50.0

54 57.2 47.8 71.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1331

Delta R.T. -0.005 min

Lab File: BF139937.D

Acq: 22 Oct 2024 19:25

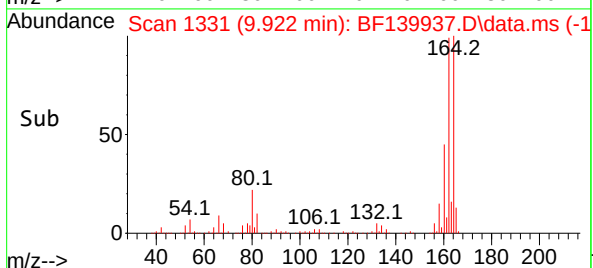
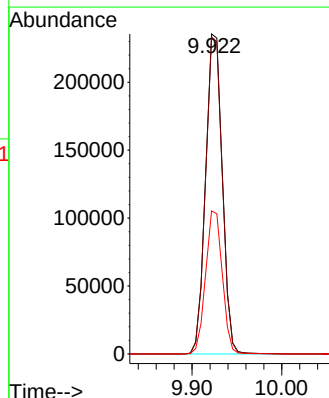
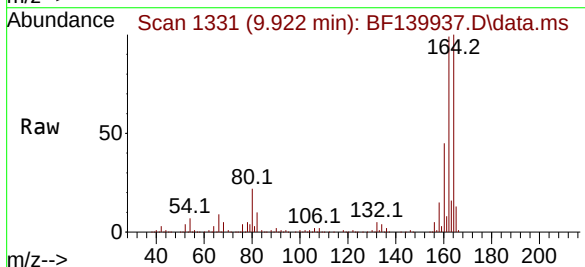
Tgt Ion: 164 Resp: 304861

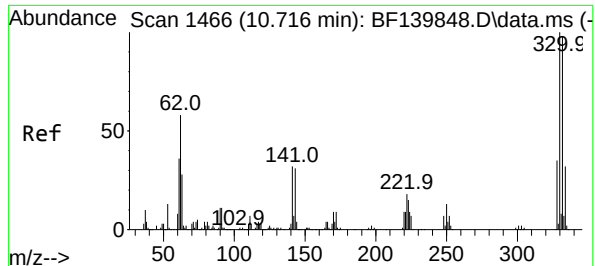
Ion Ratio Lower Upper

164 100

162 99.0 81.0 121.4

160 44.7 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 47.372 ng

RT: 10.710 min Scan# 1465

Delta R.T. -0.006 min

Lab File: BF139937.D

Acq: 22 Oct 2024 19:25

Instrument :

BNA_F

ClientSampleId :

SP-2

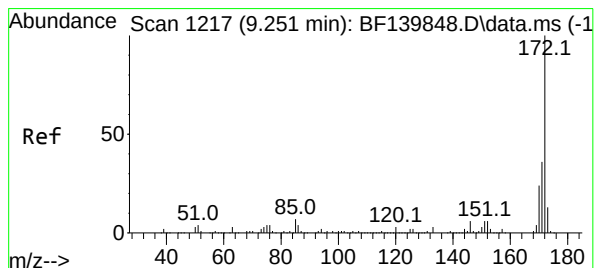
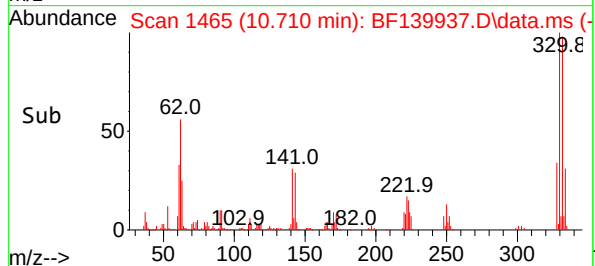
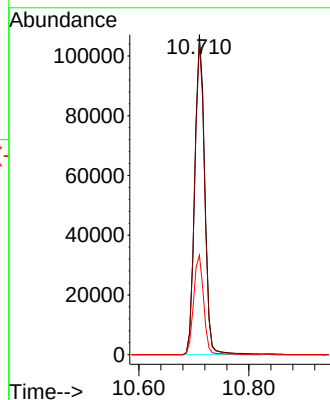
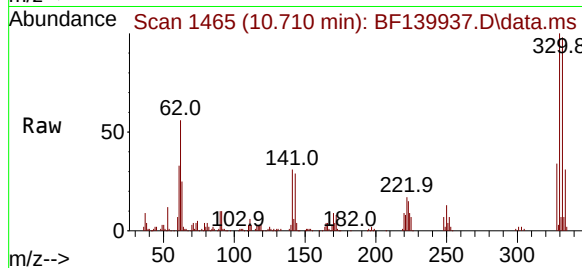
Tgt Ion:330 Resp: 135085

Ion Ratio Lower Upper

330 100

332 96.8 78.1 117.1

141 31.2 26.6 39.8



#45

2-Fluorobiphenyl

Concen: 57.136 ng

RT: 9.245 min Scan# 1216

Delta R.T. -0.006 min

Lab File: BF139937.D

Acq: 22 Oct 2024 19:25

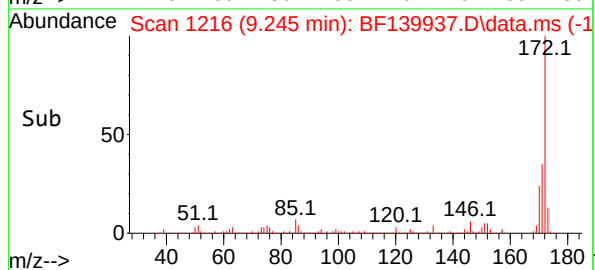
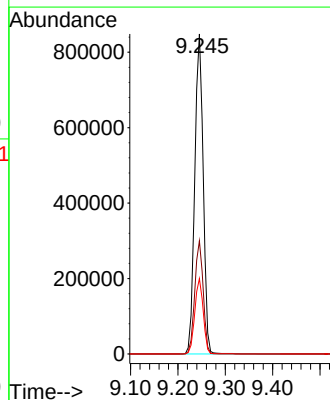
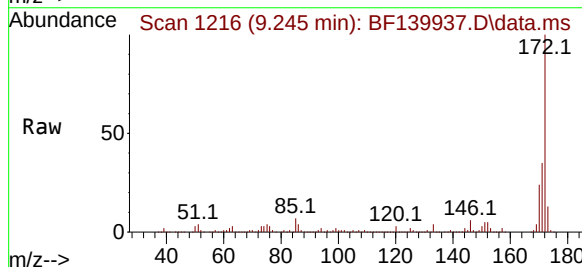
Tgt Ion:172 Resp: 1053954

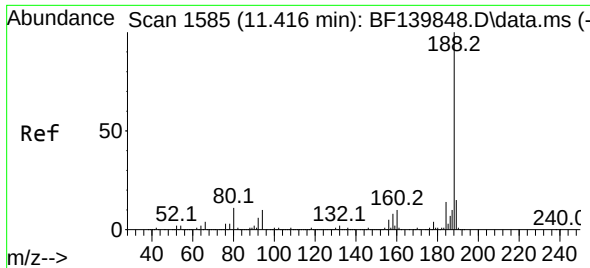
Ion Ratio Lower Upper

172 100

171 35.3 28.6 43.0

170 23.6 19.1 28.7

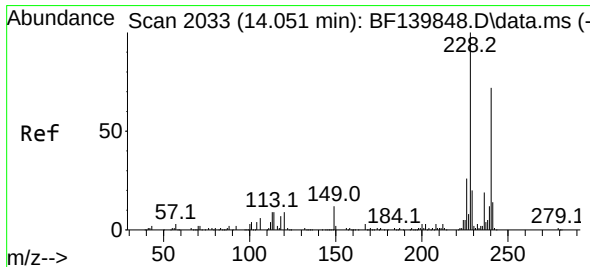
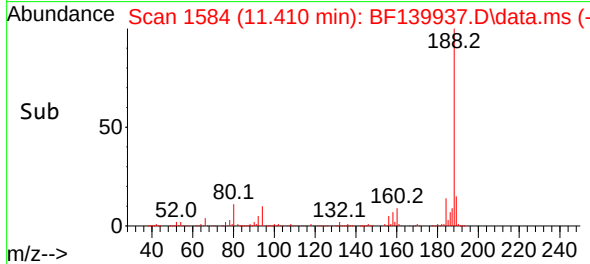
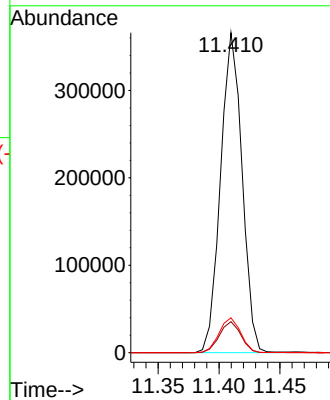
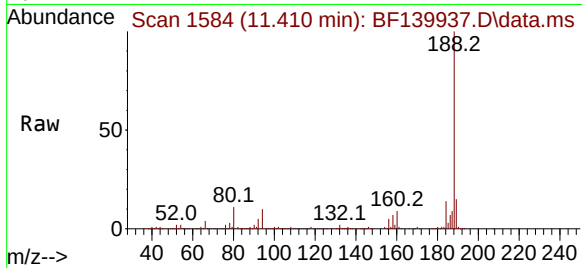




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139937.D
Acq: 22 Oct 2024 19:25

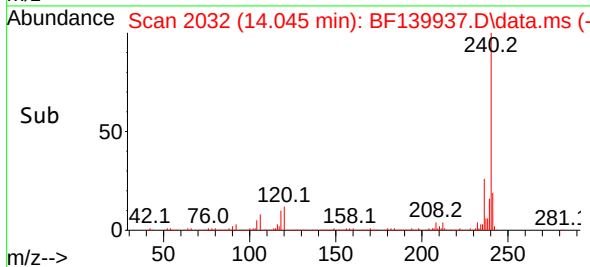
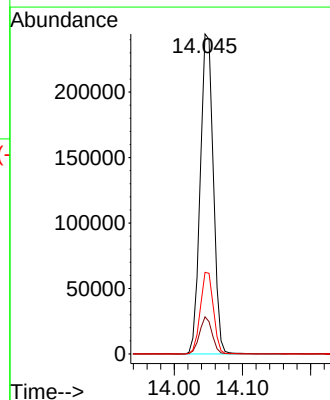
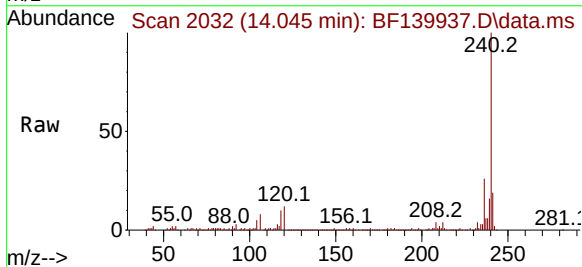
Instrument :
BNA_F
ClientSampleId :
SP-2

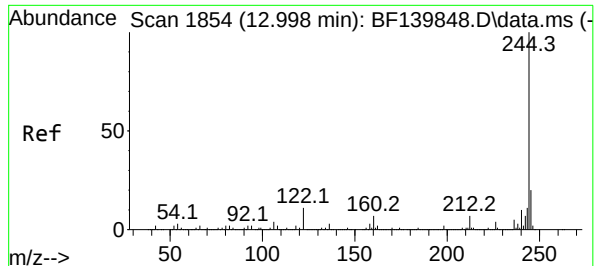
Tgt Ion:188 Resp: 449838
Ion Ratio Lower Upper
188 100
94 9.7 7.9 11.9
80 10.9 9.0 13.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF139937.D
Acq: 22 Oct 2024 19:25

Tgt Ion:240 Resp: 325843
Ion Ratio Lower Upper
240 100
120 11.6 9.4 14.2
236 25.5 20.9 31.3





#79

Terphenyl-d14

Concen: 42.977 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.000 min

Lab File: BF139937.D

Acq: 22 Oct 2024 19:25

Instrument :

BNA_F

ClientSampleId :

SP-2

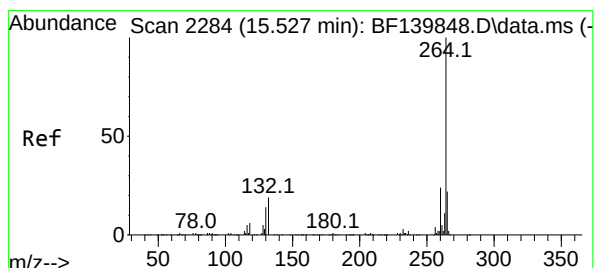
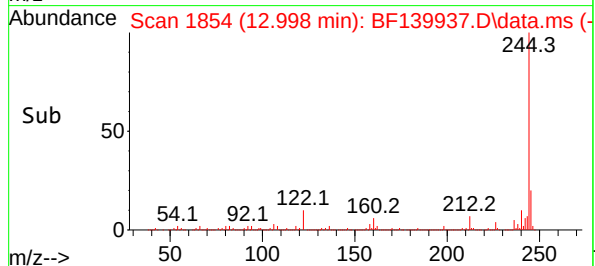
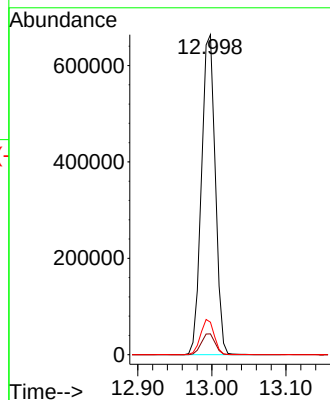
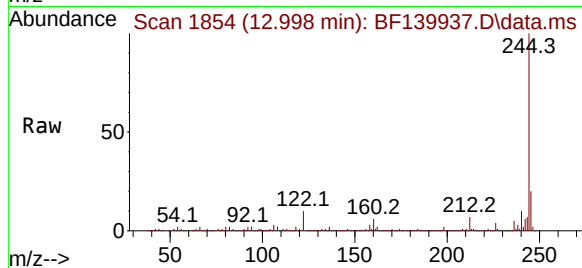
Tgt Ion:244 Resp: 859406

Ion Ratio Lower Upper

244 100

212 6.5 5.7 8.5

122 10.2 8.6 13.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 2284

Delta R.T. 0.000 min

Lab File: BF139937.D

Acq: 22 Oct 2024 19:25

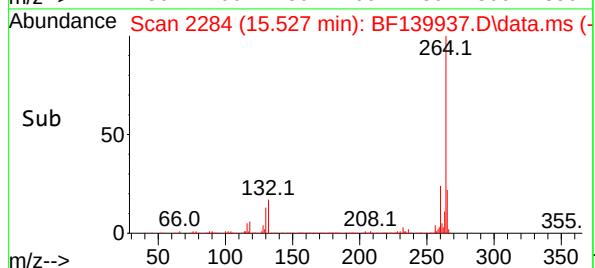
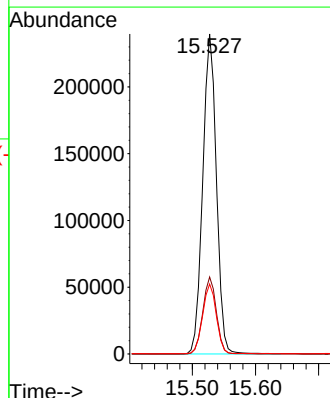
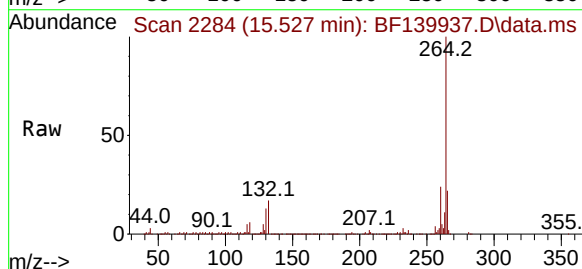
Tgt Ion:264 Resp: 359851

Ion Ratio Lower Upper

264 100

260 24.0 19.4 29.2

265 21.8 17.4 26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
 Data File : BF139937.D
 Acq On : 22 Oct 2024 19:25
 Operator : RC/JU
 Sample : P4385-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-2

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-BF101824.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF139937.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.181	7	15	29	rVB	1842177	2931888	96.68%	11.062%
2	5.104	504	512	520	rVB	121010	187992	6.20%	0.709%
3	5.504	573	580	585	rBV	1881646	2554504	84.24%	9.638%
4	6.504	743	750	762	rVB	1918337	2604456	85.89%	9.826%
5	6.887	810	815	821	rBV	740962	927883	30.60%	3.501%
6	7.445	904	910	915	rBV	1318857	1680779	55.43%	6.341%
7	7.698	949	953	958	rVB	81711	96578	3.18%	0.364%
8	8.169	1028	1033	1038	rBV	983734	1207729	39.83%	4.557%
9	8.381	1063	1069	1076	rVB	36588	50396	1.66%	0.190%
10	9.245	1210	1216	1221	rBV	2443902	3032429	100.00%	11.441%
11	9.922	1326	1331	1343	rVB	1002940	1312783	43.29%	4.953%
12	10.633	1447	1452	1460	rBV	662009	859015	28.33%	3.241%
13	10.710	1460	1465	1475	rVV	823524	1039927	34.29%	3.923%
14	10.945	1501	1505	1510	rVB	127512	152010	5.01%	0.574%
15	11.410	1579	1584	1591	rBV	879626	1088254	35.89%	4.106%
16	12.433	1754	1758	1765	rBV	27604	39964	1.32%	0.151%
17	12.992	1848	1853	1859	rBV	1692162	2234255	73.68%	8.429%
18	13.169	1879	1883	1885	rBV	23010	30919	1.02%	0.117%
19	13.204	1885	1889	1890	rBV2	49312	58824	1.94%	0.222%
20	13.304	1903	1906	1910	rVB4	27247	33134	1.09%	0.125%
21	13.839	1993	1997	2001	rBV5	17402	34497	1.14%	0.130%
22	13.898	2002	2007	2023	rVV	150780	325821	10.74%	1.229%
23	14.045	2027	2032	2040	rVB	682531	934715	30.82%	3.527%
24	14.527	2109	2114	2126	rBV3	41464	121044	3.99%	0.457%
25	14.980	2186	2191	2198	rVB	143415	199972	6.59%	0.754%
26	15.174	2220	2224	2226	rBV	72695	108230	3.57%	0.408%
27	15.204	2226	2229	2250	rVB2	137176	381598	12.58%	1.440%
28	15.527	2278	2284	2290	rBV	623956	932433	30.75%	3.518%
29	15.774	2321	2326	2335	rVB	73464	129767	4.28%	0.490%
30	16.015	2361	2367	2372	rBV	155259	276107	9.11%	1.042%
31	16.074	2373	2377	2385	rVV4	38920	100380	3.31%	0.379%
32	16.833	2501	2506	2517	rVB	47054	100634	3.32%	0.380%
33	17.062	2540	2545	2554	rBV9	30342	81571	2.69%	0.308%
34	17.145	2556	2559	2565	rVB	37098	66292	2.19%	0.250%
35	17.221	2566	2572	2587	rBV	51612	220779	7.28%	0.833%
36	17.639	2636	2643	2663	rBV4	97209	367664	12.12%	1.387%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139937.D
Acq On : 22 Oct 2024 19:25
Operator : RC/JU
Sample : P4385-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-2

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-BF101824.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

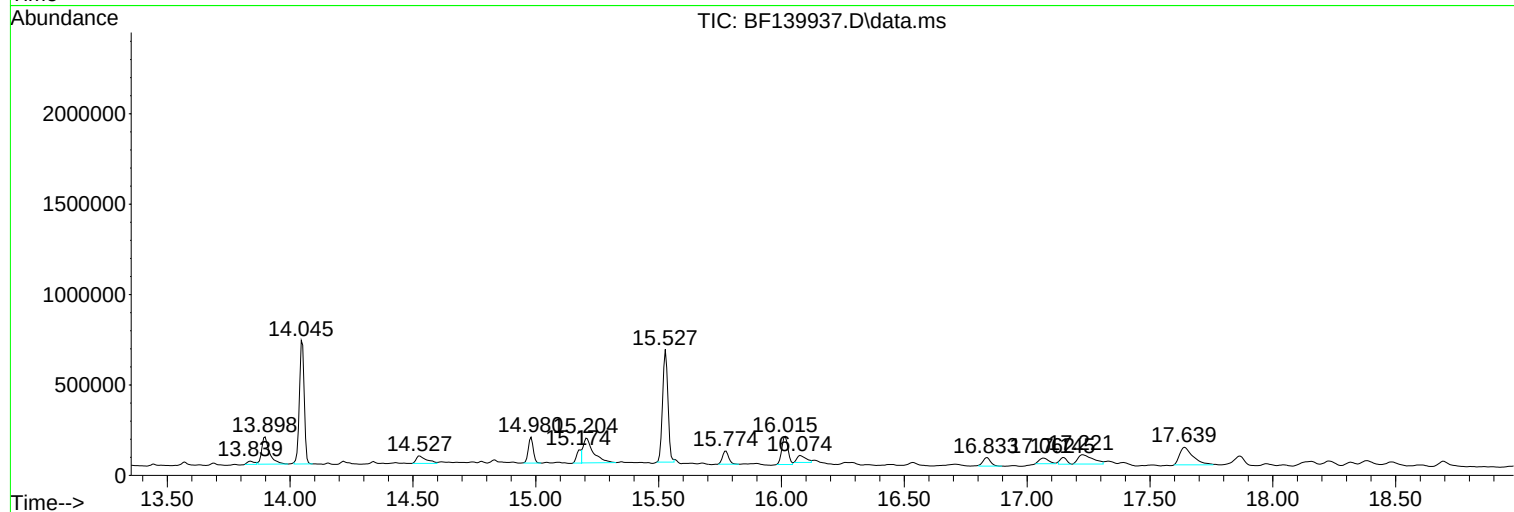
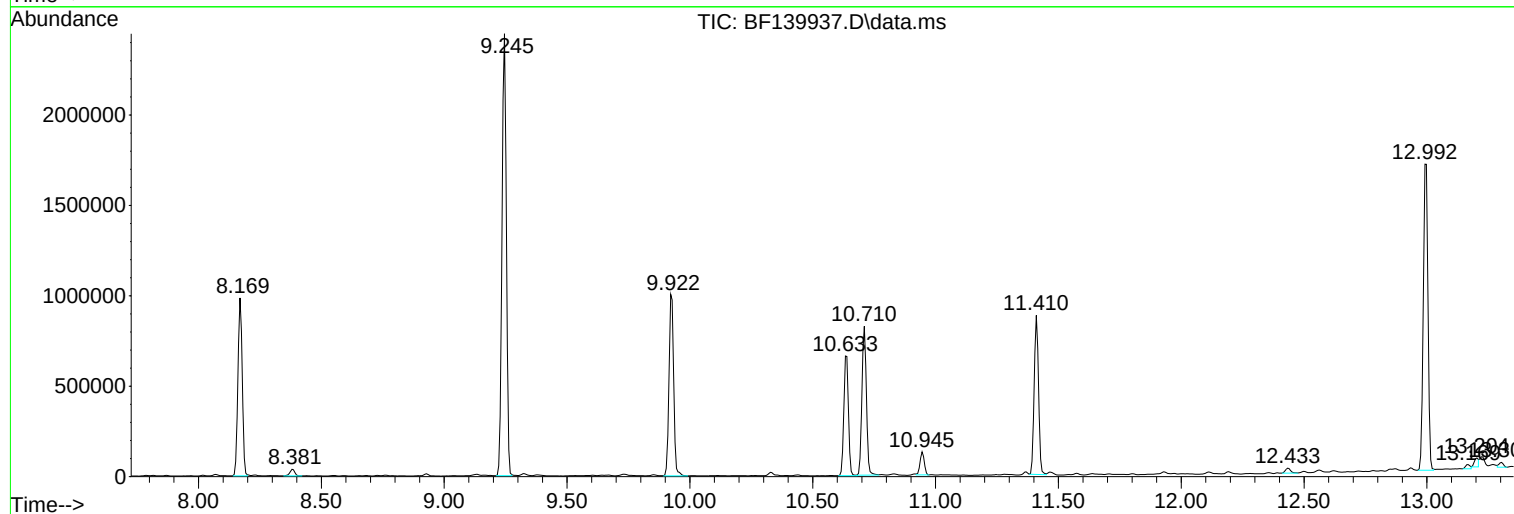
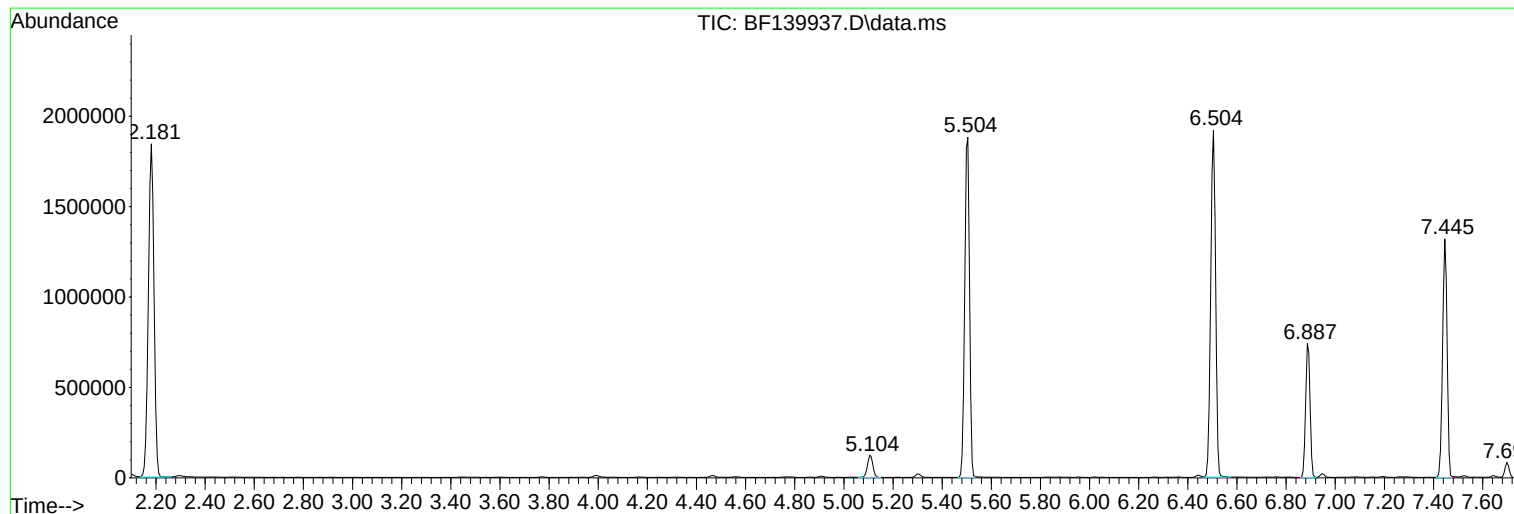
Sum of corrected areas: 26505223

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139937.D
Acq On : 22 Oct 2024 19:25
Operator : RC/JU
Sample : P4385-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.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\BF102224\
Data File : BF139937.D
Acq On : 22 Oct 2024 19:25
Operator : RC/JU
Sample : P4385-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-2

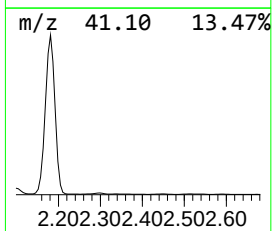
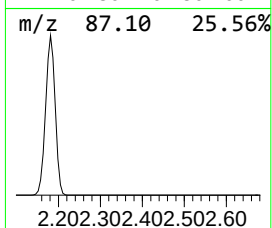
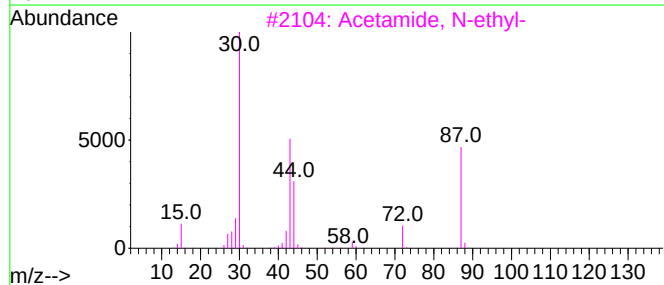
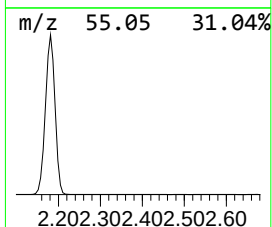
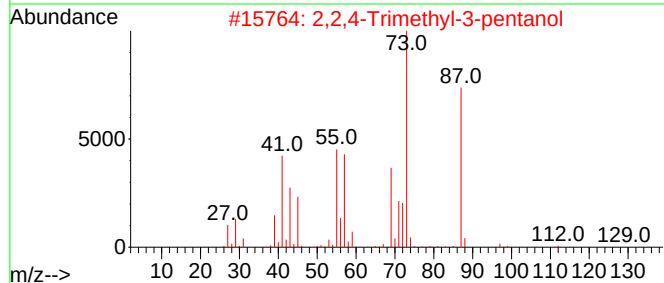
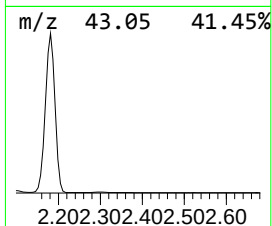
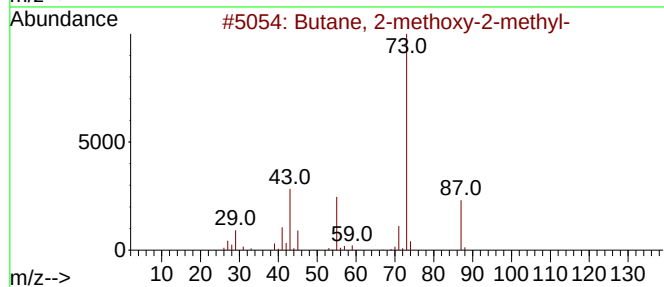
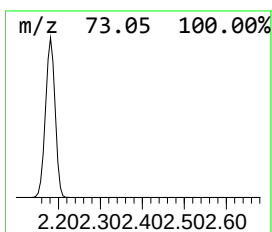
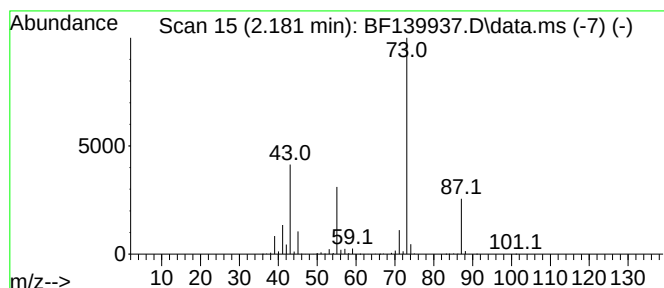
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.181	63.20 ng	2931890	1,4-Dichlorobenzene-d4	6.887

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3			Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	27
4			1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
5			Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	17



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139937.D
Acq On : 22 Oct 2024 19:25
Operator : RC/JU
Sample : P4385-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-2

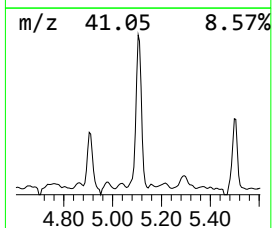
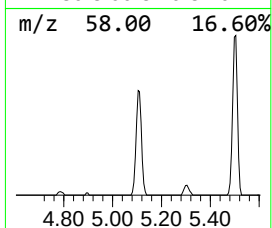
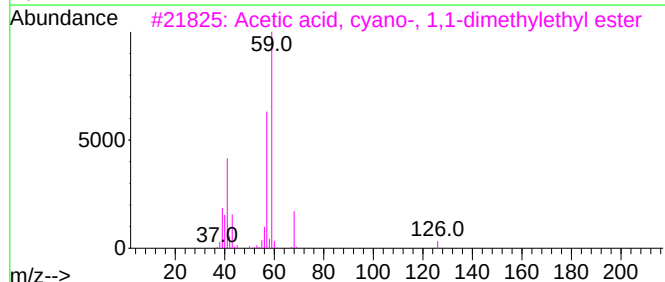
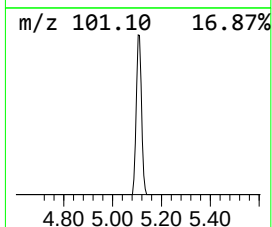
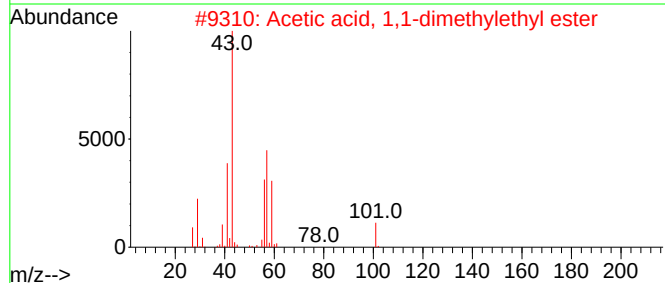
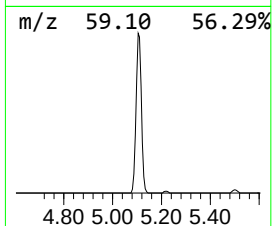
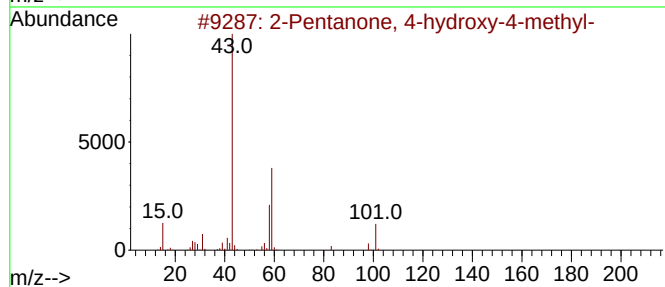
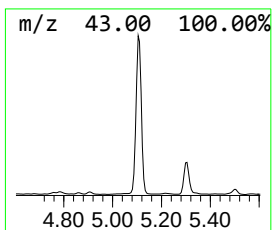
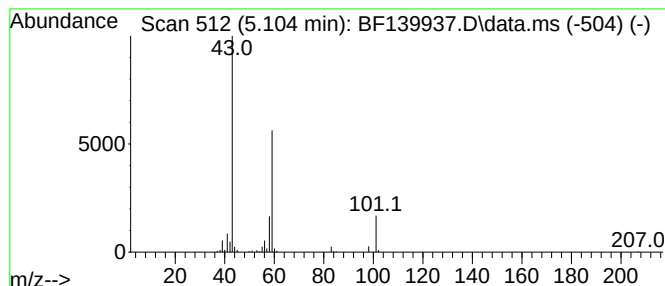
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.104	4.05 ng	187992	1,4-Dichlorobenzene-d4	6.887

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2			Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	38
3			Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
4			1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12
5			2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	10



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139937.D
Acq On : 22 Oct 2024 19:25
Operator : RC/JU
Sample : P4385-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-2

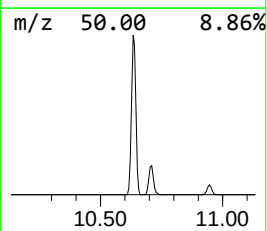
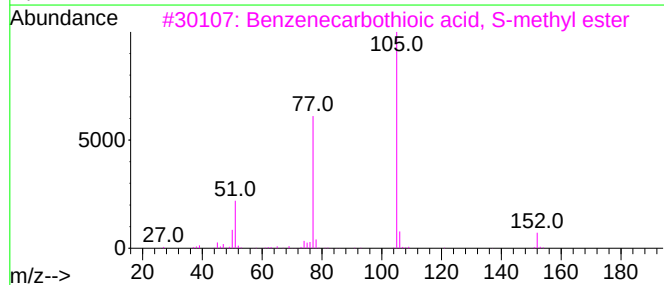
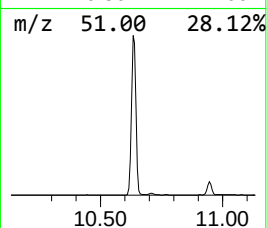
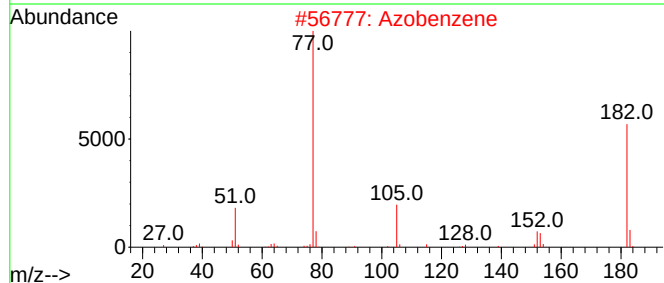
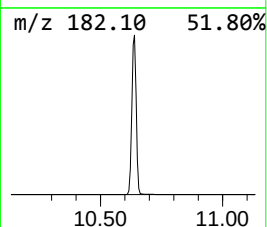
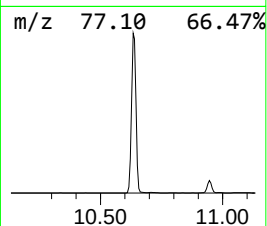
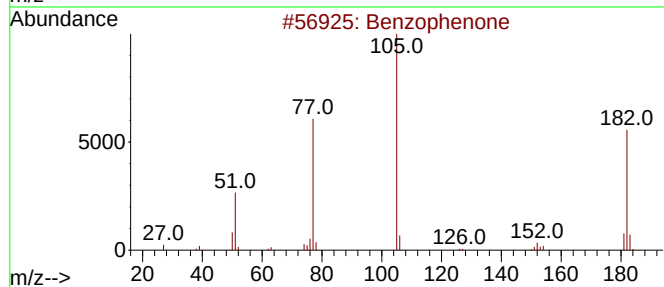
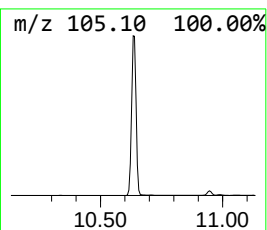
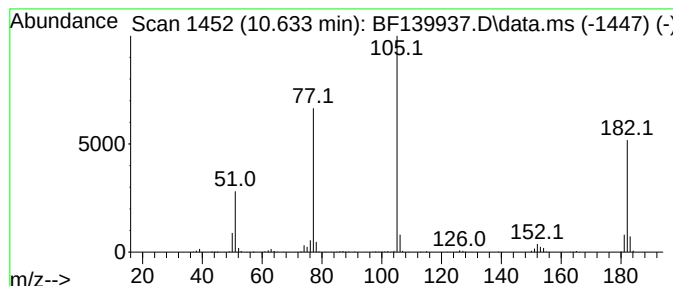
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.633	13.09 ng	859015	Acenaphthene-d10	9.922

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			Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	49
4			1-Propanone, 2-bromo-1-phenyl-	212	C9H9BrO	002114-00-3	47
5			2-(2-Oxo-2-phenyl-ethyl)-malon...	184	C11H8N2O	1000296-76-9	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139937.D
Acq On : 22 Oct 2024 19:25
Operator : RC/JU
Sample : P4385-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

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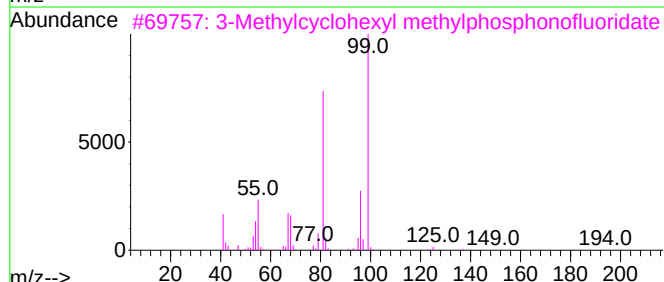
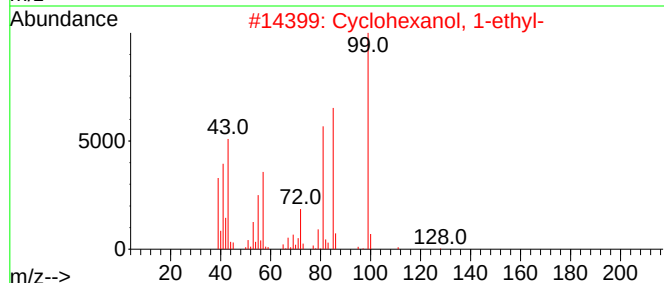
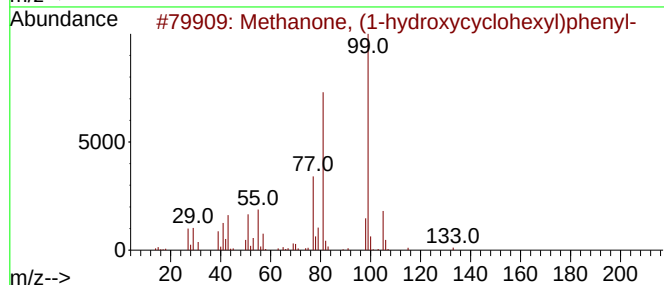
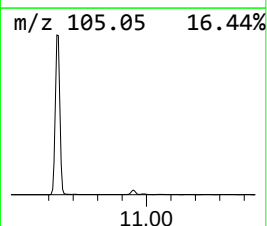
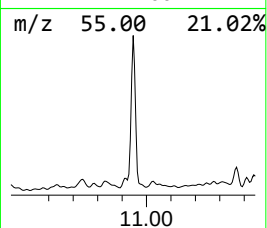
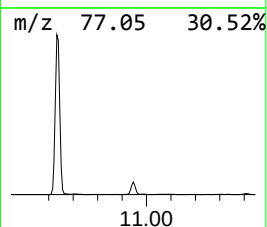
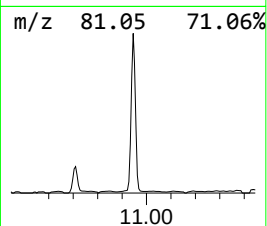
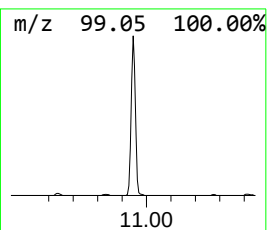
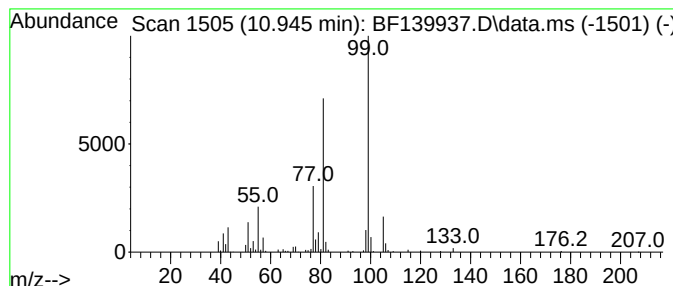
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Methanone, (1-hydroxycyclohexyl) Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.945	2.79 ng	152010	Phenanthrene-d10	11.410

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Methanone, (1-hydroxycyclohexyl)...	204	C13H16O2	000947-19-3	91
2			Cyclohexanol, 1-ethyl-	128	C8H16O	001940-18-7	50
3			3-Methylcyclohexyl methylphospho...	194	C8H16FO2P	113548-86-0	47
4			Cyclohexanol, 1-(aminomethyl)-	129	C7H15NO	004000-72-0	42
5			1-Hydroxycyclohexanecarboxylic acid	144	C7H12O3	001123-28-0	40



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139937.D
Acq On : 22 Oct 2024 19:25
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Sample : P4385-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

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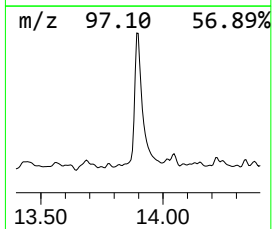
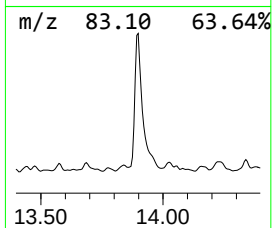
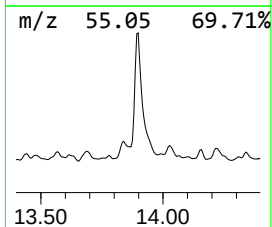
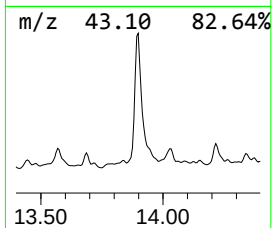
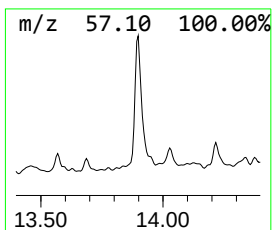
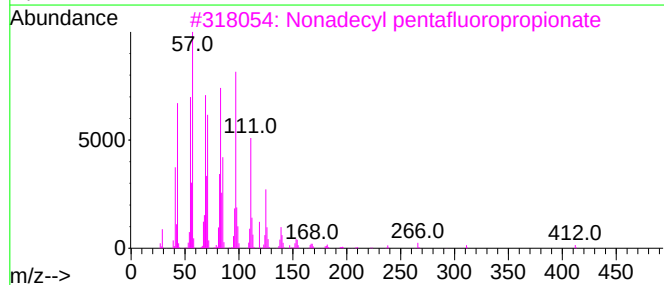
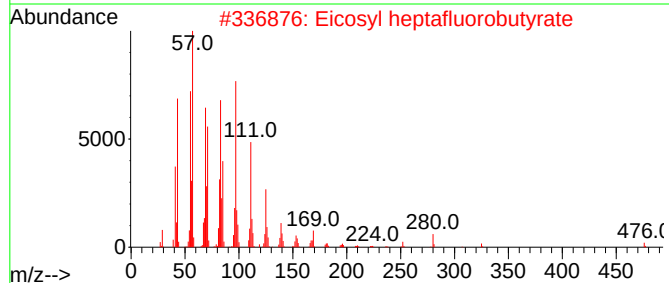
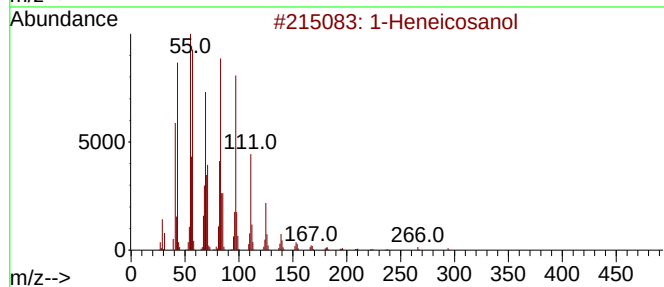
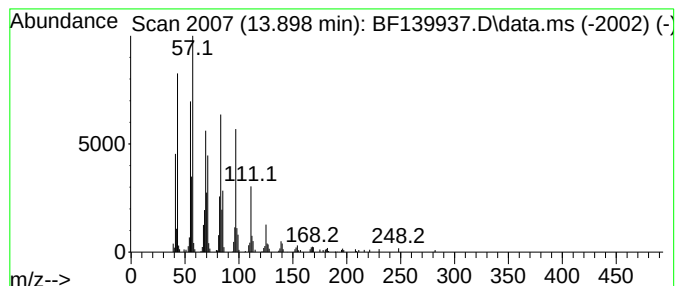
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 1-Heneicosanol Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.898	6.97 ng	325821	Chrysene-d12	14.045

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Heneicosanol	312	C21H44O	015594-90-8	93
2			Eicosyl heptafluorobutyrate	494	C24H41F7O2	1000351-83-5	91
3			Nonadecyl pentafluoropropionate	430	C22H39F5O2	1000351-88-8	91
4			Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	91
5			Eicosyl pentafluoropropionate	444	C23H41F5O2	1000351-80-8	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139937.D
Acq On : 22 Oct 2024 19:25
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Sample : P4385-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

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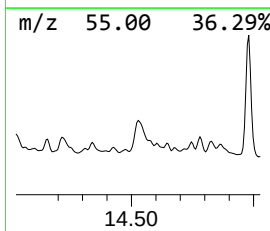
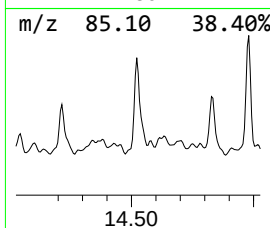
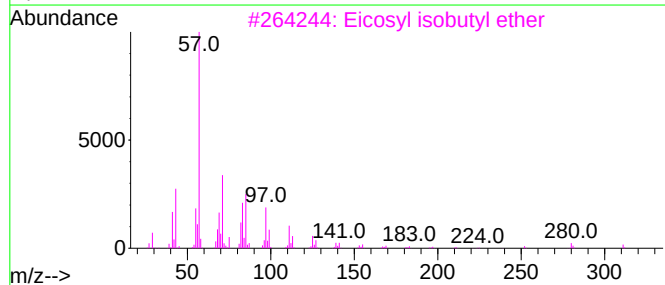
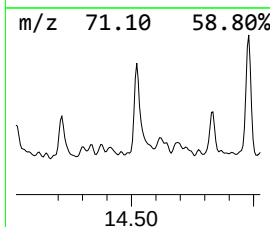
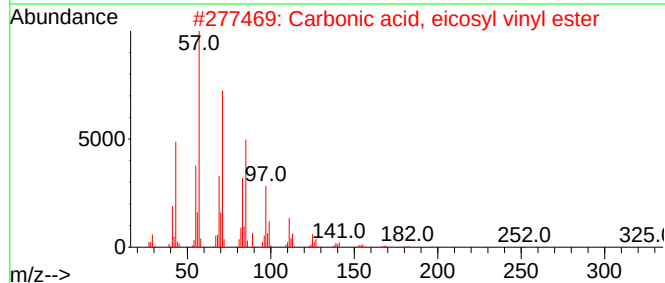
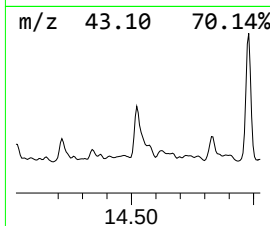
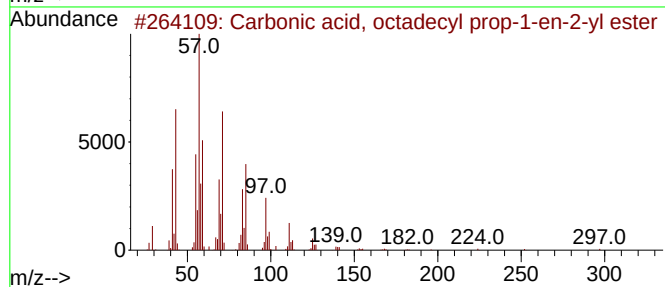
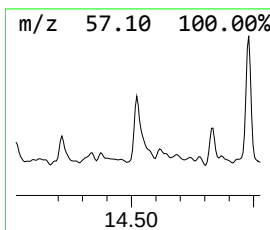
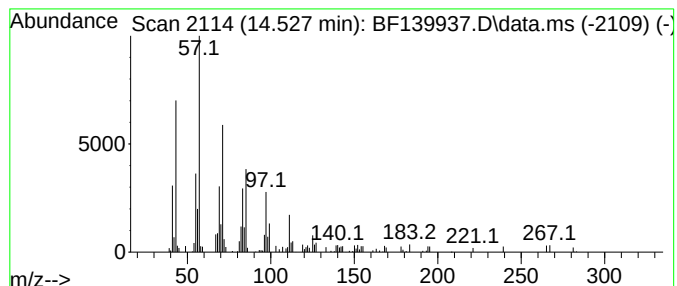
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Carbonic acid, octadecyl pr... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.527	2.59 ng	121044	Chrysene-d12	14.045

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Carbonic acid, octadecyl prop-1-...	354	C22H42O3	1000383-11-5	91
2			Carbonic acid, eicosyl vinyl ester	368	C23H44O3	1000382-54-3	90
3			Eicosyl isobutyl ether	354	C24H50O	1000406-33-0	87
4			Carbonic acid, octadecyl vinyl e...	340	C21H40O3	1000382-54-4	83
5			Isobutyl tetracosyl ether	410	C28H58O	1000406-33-2	80



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
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Sample : P4385-04
Misc :
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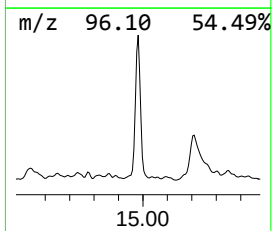
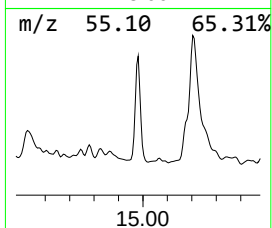
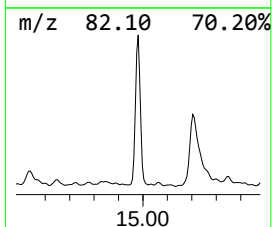
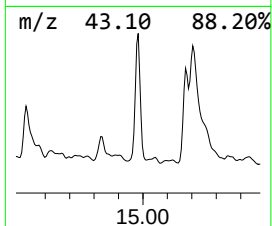
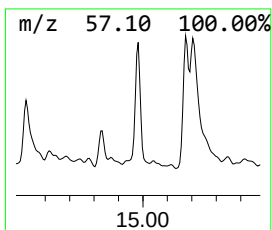
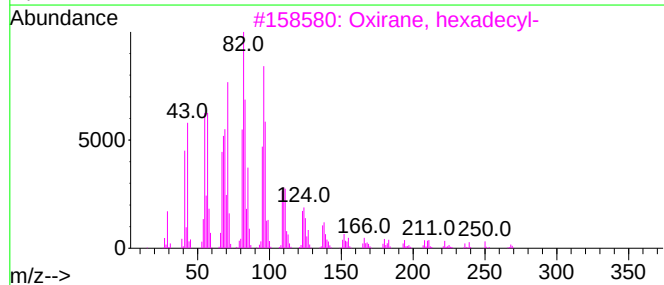
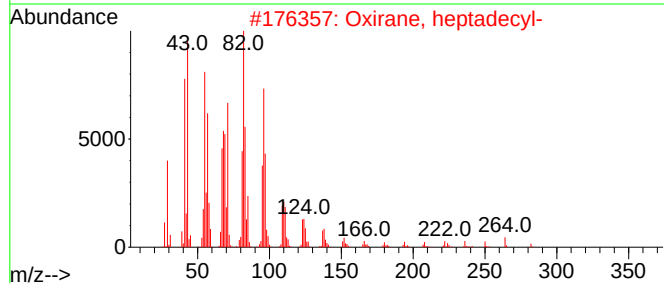
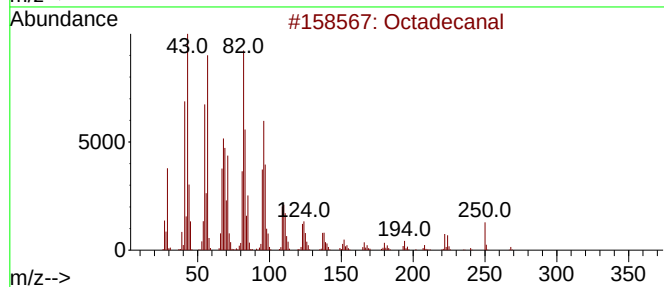
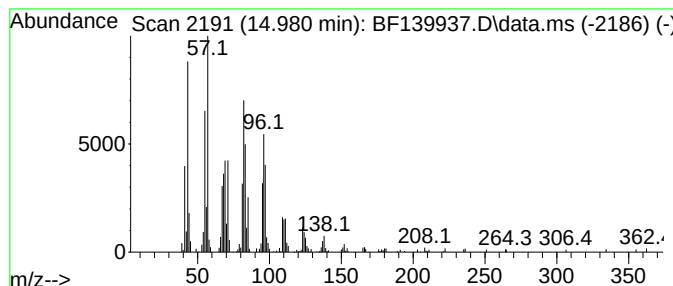
Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Octadecanal Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.980	4.29 ng	199972	Perylene-d12	15.527	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanal	268	C18H36O	000638-66-4	91
2	Oxirane, heptadecyl-	282	C19H38O	067860-04-2	91
3	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	91
4	Tetracosanal	352	C24H48O	057866-08-7	90
5	(Z)-14-Tricosenyl formate	366	C24H46O2	077899-10-6	89



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139937.D
Acq On : 22 Oct 2024 19:25
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Sample : P4385-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

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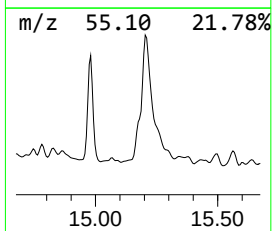
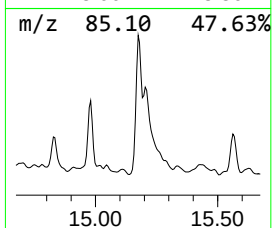
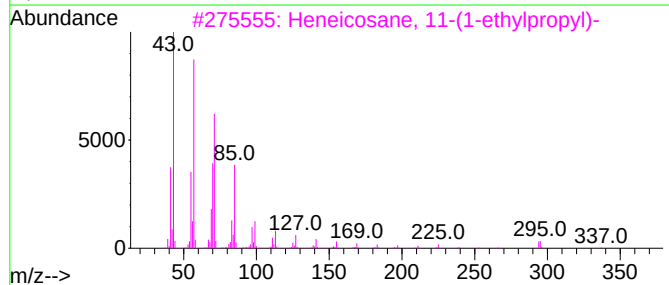
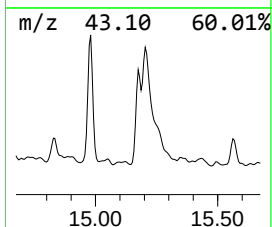
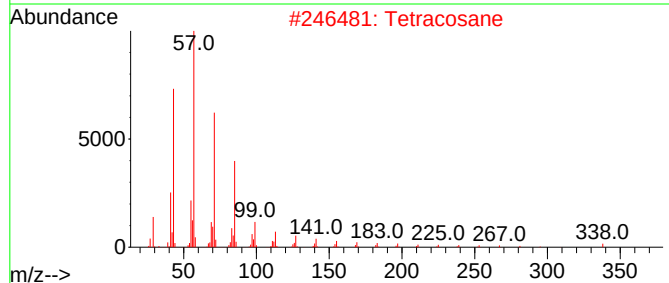
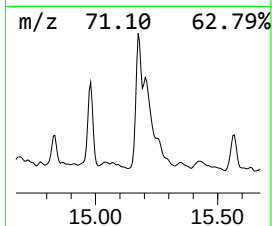
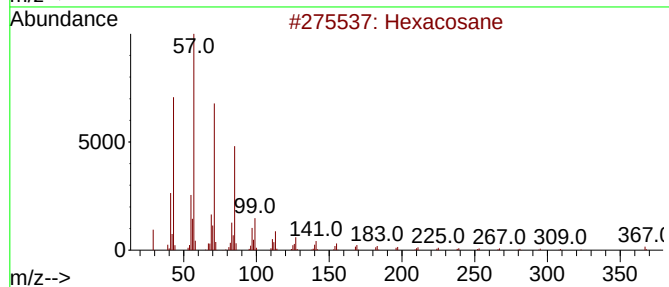
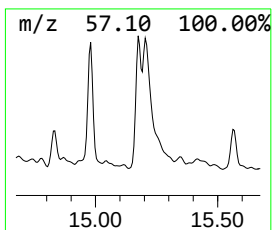
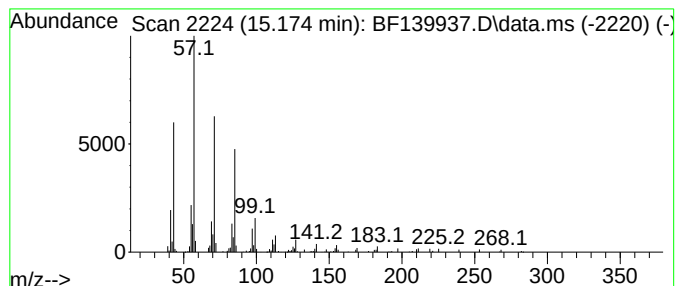
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Hexacosane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.174	2.32 ng	108230	Perylene-d12	15.527

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexacosane	366	C26H54	000630-01-3	91
2			Tetracosane	338	C24H50	000646-31-1	91
3			Heneicosane, 11-(1-ethylpropyl)-	366	C26H54	055282-11-6	91
4			Octacosane, 2-methyl-	408	C29H60	001560-98-1	91
5			Triacontane	422	C30H62	000638-68-6	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139937.D
Acq On : 22 Oct 2024 19:25
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Misc :
ALS Vial : 12 Sample Multiplier: 1

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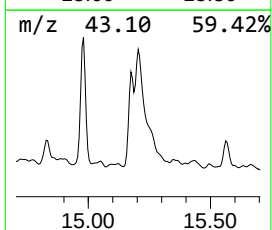
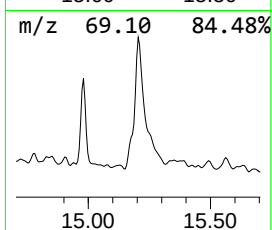
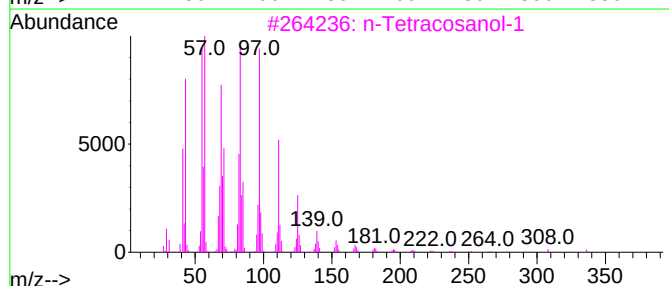
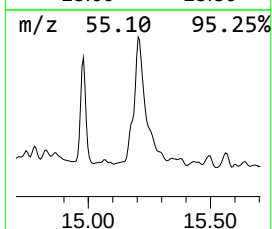
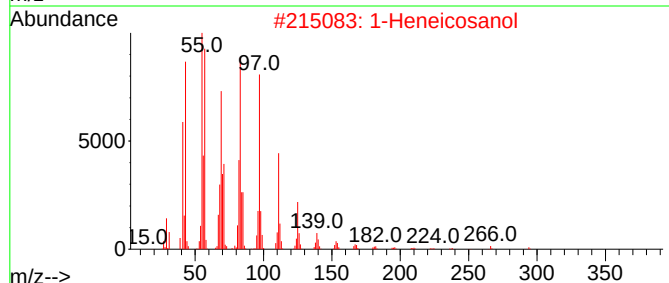
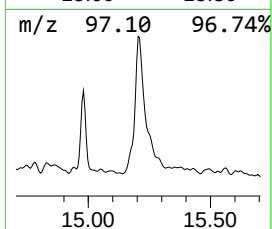
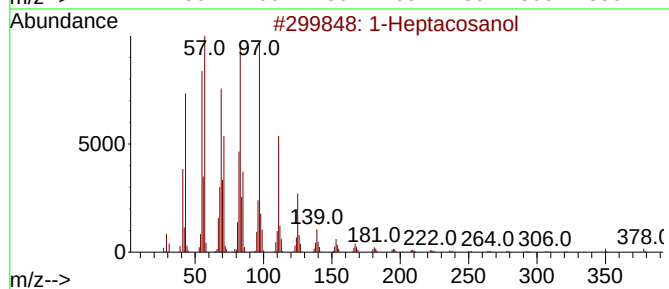
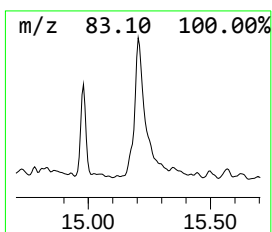
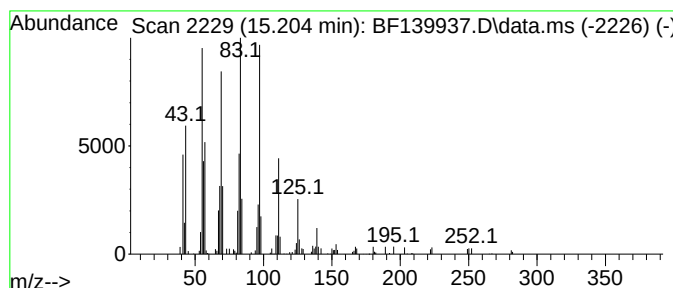
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 1-Heptacosanol Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.204	8.19 ng	381598	Perylene-d12	15.527

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Heptacosanol	396	C27H56O	002004-39-9	91
2			1-Heneicosanol	312	C21H44O	015594-90-8	91
3			n-Tetracosanol-1	354	C24H50O	000506-51-4	91
4			Triacontan-15-ol	438	C30H62O	031849-26-0	72
5			1-Hexacosene	364	C26H52	018835-33-1	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
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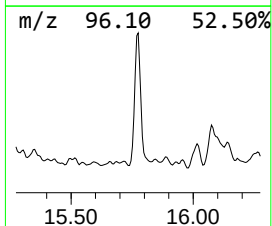
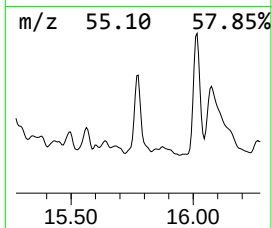
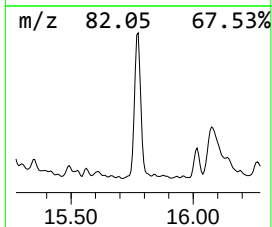
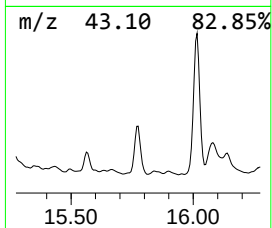
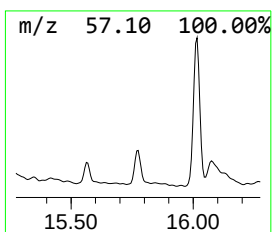
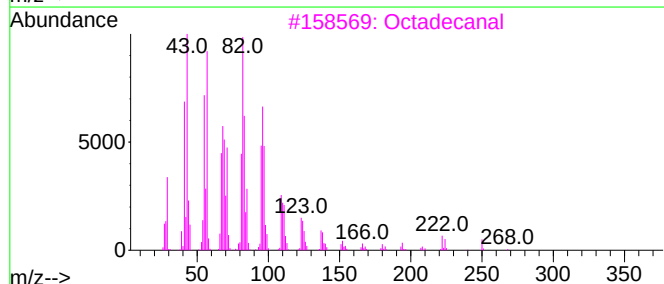
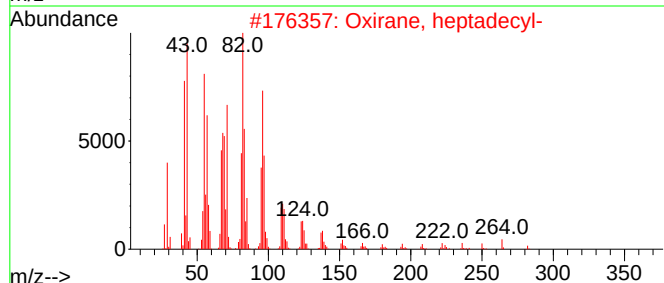
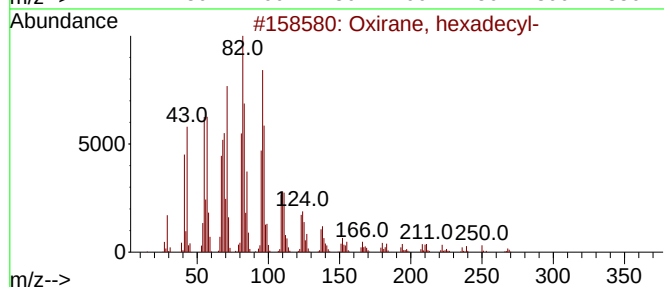
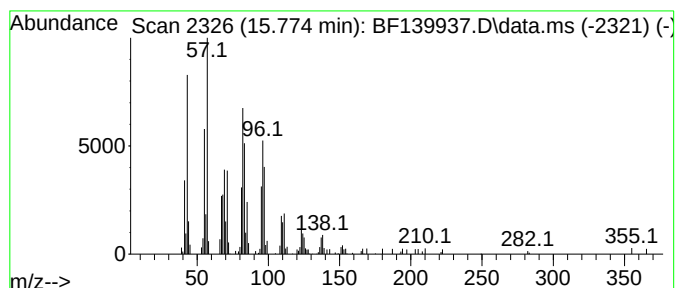
Instrument :
BNA_F
ClientSampleId :
SP-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Oxirane, hexadecyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.774	2.78 ng	129767	Perylene-d12	15.527	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	94
2	Oxirane, heptadecyl-	282	C19H38O	067860-04-2	93
3	Octadecanal	268	C18H36O	000638-66-4	91
4	Hexacosanal	380	C26H52O	026627-85-0	74
5	1,19-Eicosadiene	278	C20H38	014811-95-1	74



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139937.D
Acq On : 22 Oct 2024 19:25
Operator : RC/JU
Sample : P4385-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

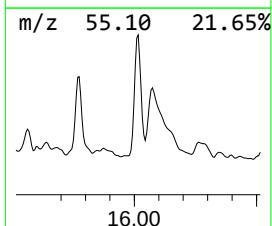
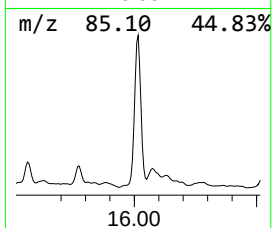
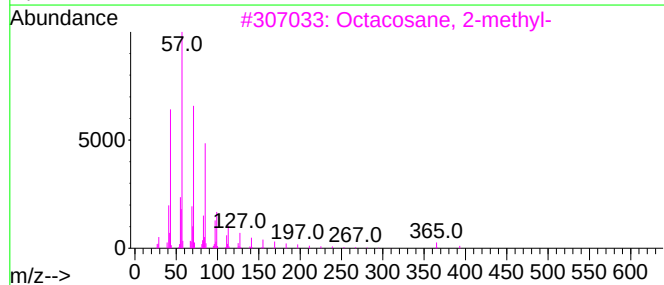
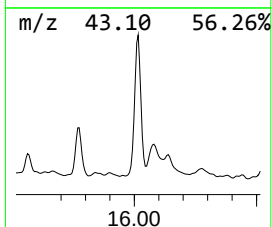
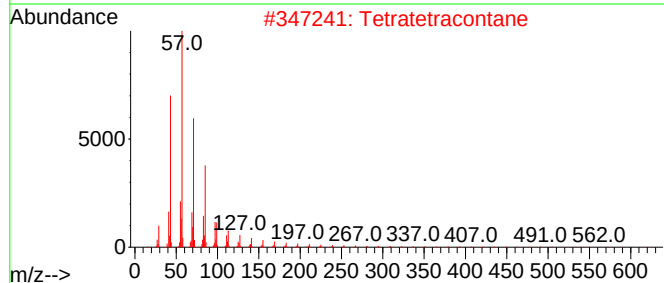
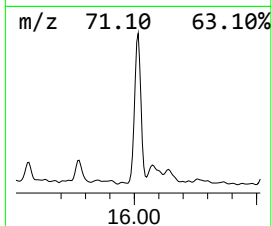
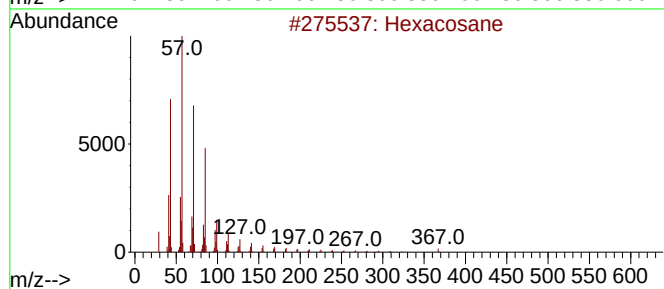
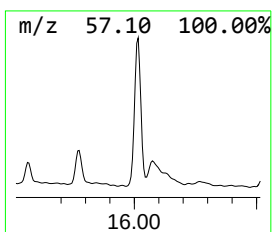
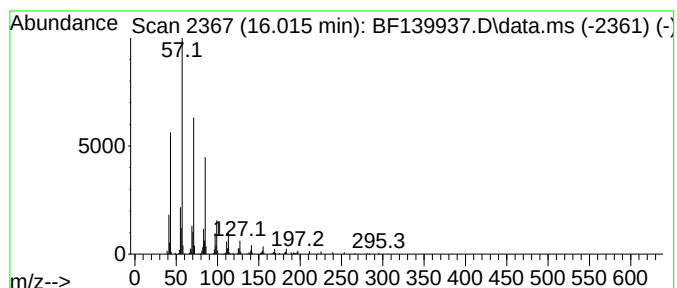
Instrument :
BNA_F
ClientSampleId :
SP-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Tetratetracontane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
16.015	5.92 ng	276107	Perylene-d12	15.527	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	94
2	Tetratetracontane	619	C44H90	007098-22-8	91
3	Octacosane, 2-methyl-	408	C29H60	001560-98-1	91
4	Octacosane	394	C28H58	000630-02-4	91
5	Heneicosane	296	C21H44	000629-94-7	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139937.D
Acq On : 22 Oct 2024 19:25
Operator : RC/JU
Sample : P4385-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-2

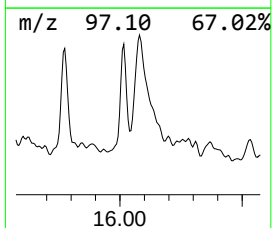
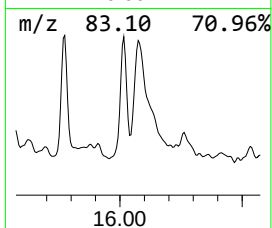
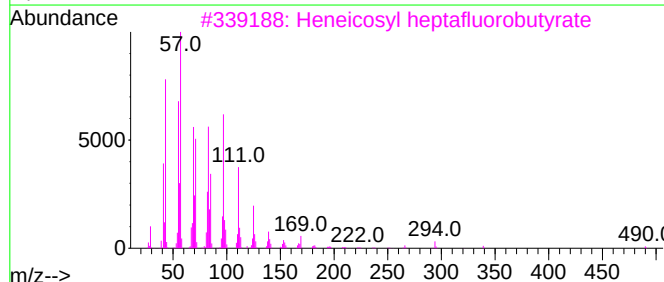
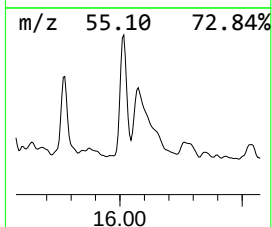
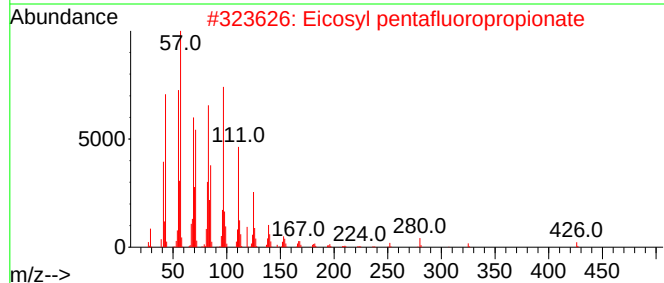
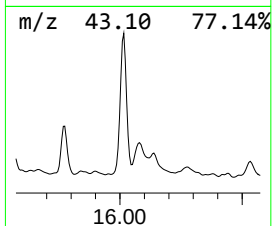
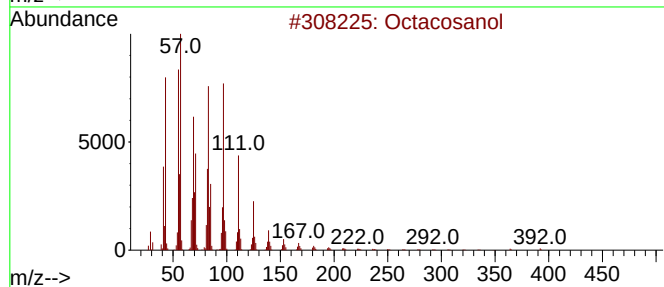
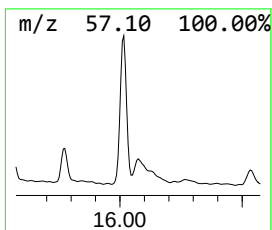
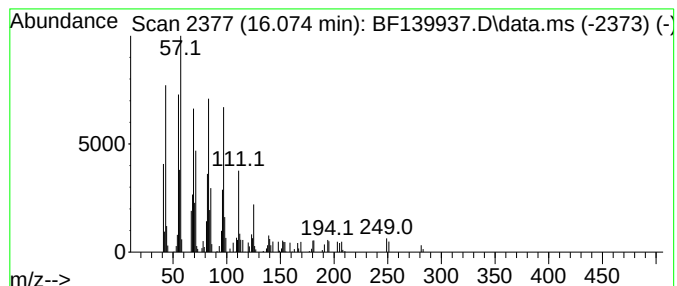
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Octacosanol Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.074	2.15 ng	100380	Perylene-d12	15.527

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octacosanol	410	C28H58O	000557-61-9	93
2			Eicosyl pentafluoropropionate	444	C23H41F5O2	1000351-80-8	90
3			Heneicosyl heptafluorobutyrate	508	C25H43F7O2	1000351-83-8	90
4			Heptacosyl acetate	438	C29H58O2	1000351-78-2	90
5			Methyl tetratriacontyl ether	509	C35H72O	1000406-30-1	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139937.D
Acq On : 22 Oct 2024 19:25
Operator : RC/JU
Sample : P4385-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

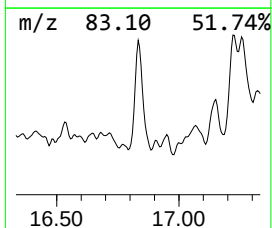
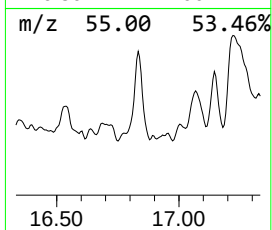
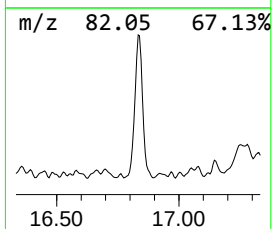
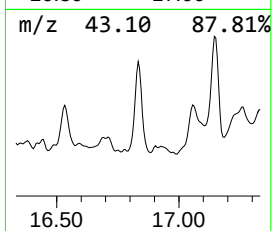
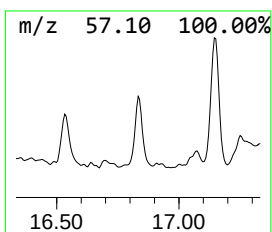
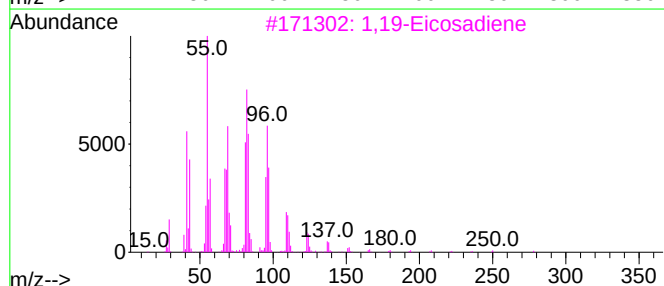
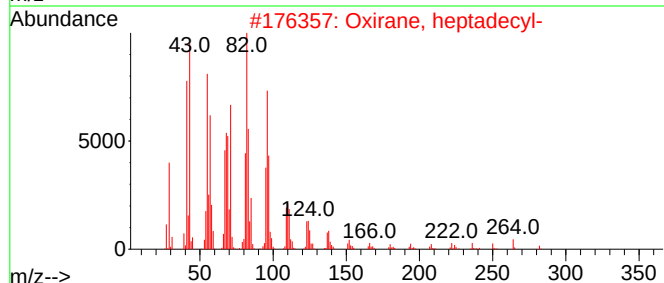
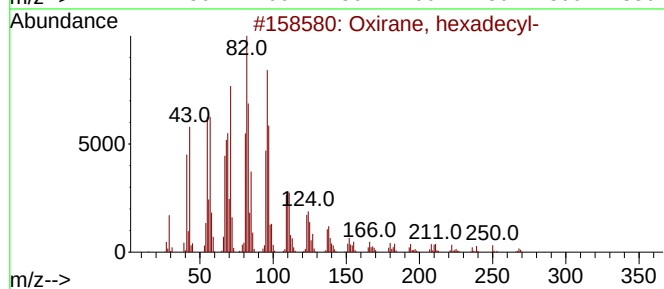
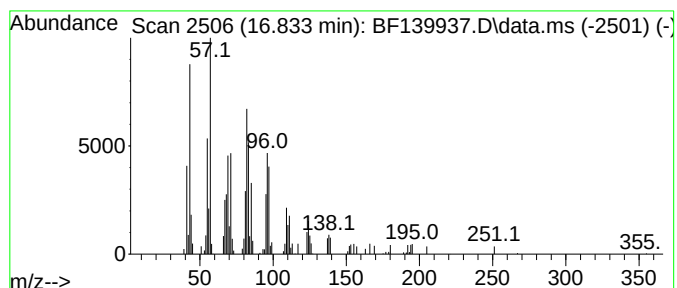
Instrument :
BNA_F
ClientSampleId :
SP-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Oxirane, heptadecyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.	
16.833	2.16 ng	100634	Perylene-d12	15.527	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	74
2	Oxirane, heptadecyl-	282	C19H38O	067860-04-2	64
3	1,19-Eicosadiene	278	C20H38	014811-95-1	64
4	(Z)-14-Tricosenyl formate	366	C24H46O2	077899-10-6	64
5	Eicosane, 9-cyclohexyl-	364	C26H52	004443-61-2	62



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139937.D
Acq On : 22 Oct 2024 19:25
Operator : RC/JU
Sample : P4385-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-2

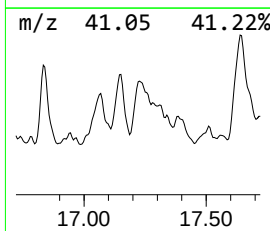
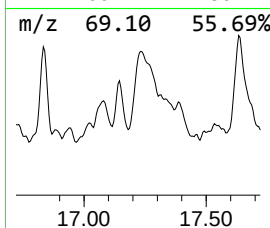
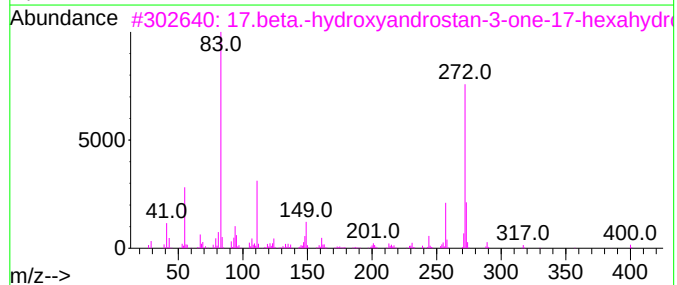
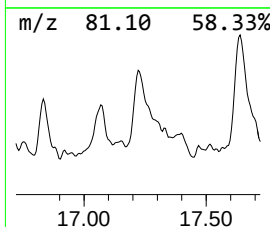
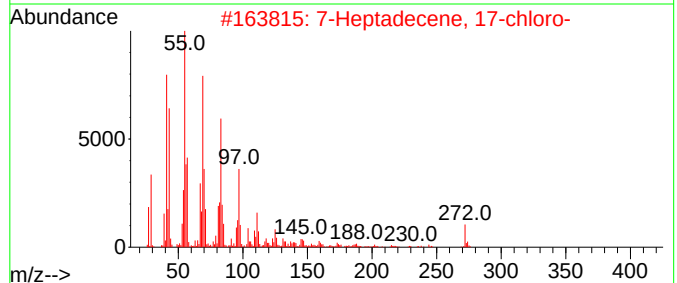
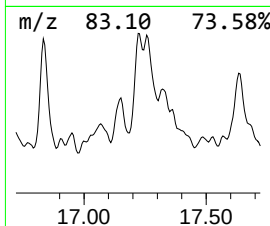
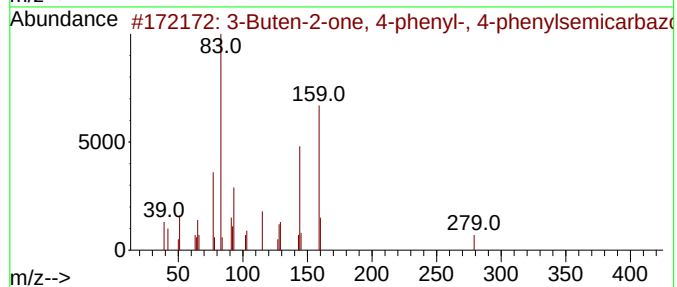
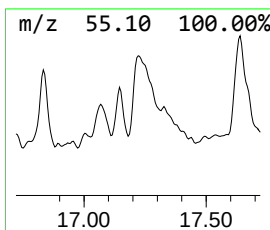
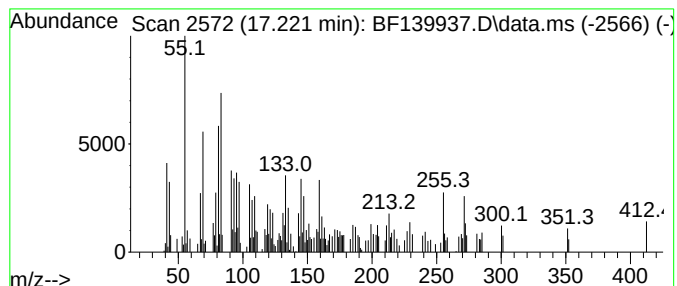
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 unknown17.221 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.221	4.74 ng	220779	Perylene-d12	15.527

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		3-Buten-2-one, 4-phenyl-, 4-phen...	279	C17H17N3O	017014-34-5	35
2		7-Heptadecene, 17-chloro-	272	C17H33Cl	056554-79-1	30
3		17.beta.-hydroxyandrostane-3-one-...	400	C26H40O3	020592-38-5	27
4		Bicyclo[3.1.1]heptan-3-one, 2,6,...	152	C10H16O	015358-88-0	25
5		Oxalic acid, cyclohexyl nonyl ester	298	C17H30O4	1000309-31-1	22



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139937.D
Acq On : 22 Oct 2024 19:25
Operator : RC/JU
Sample : P4385-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

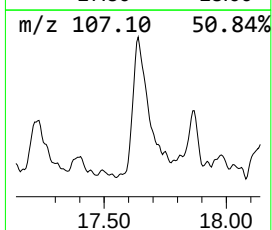
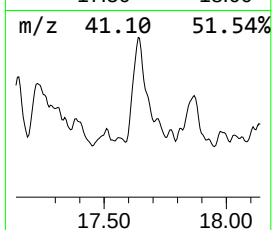
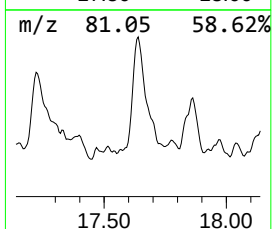
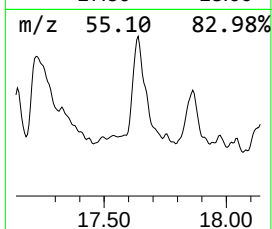
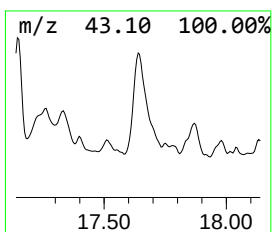
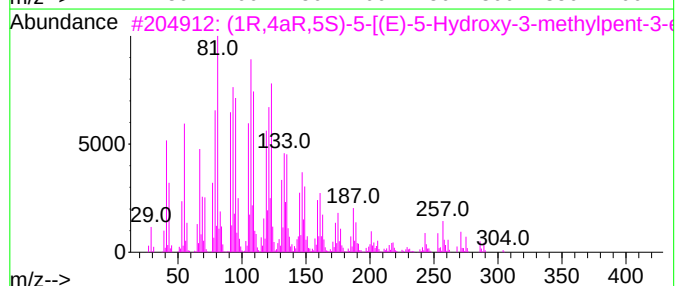
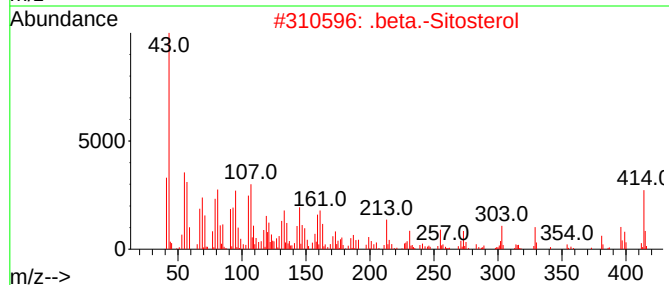
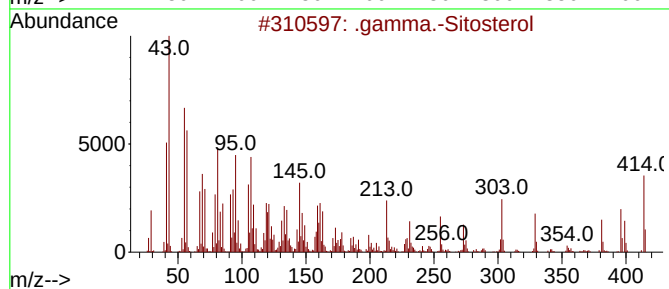
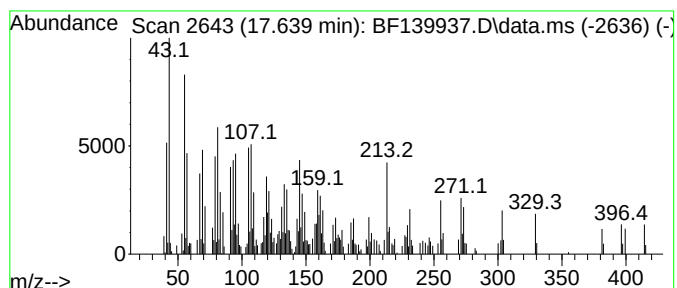
Instrument :
BNA_F
ClientSampleId :
SP-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 .gamma.-Sitosterol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.	
17.639	7.89 ng	367664	Perylene-d12	15.527	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.gamma.-Sitosterol	414	C29H50O	000083-47-6	99
2	.beta.-Sitosterol	414	C29H50O	000083-46-5	98
3	(1R,4aR,5S)-5-[(E)-5-Hydroxy-3-m...	304	C20H32O2	1214984-94-7	30
4	17-(1,5-Dimethylhexyl)-10,13-dim...	414	C29H50O	1000210-86-9	30
5	Methandriol	304	C20H32O2	000521-10-8	27



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139937.D
Acq On : 22 Oct 2024 19:25
Operator : RC/JU
Sample : P4385-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.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
Butane, 2-metho...	2.181	63.2	ng	2931890	1	6.887	927883	20.0
2-Pentanone, 4-...	5.104	4.0	ng	187992	1	6.887	927883	20.0
Benzophenone	10.633	13.1	ng	859015	3	9.922	1312780	20.0
Methanone, (1-h...	10.945	2.8	ng	152010	4	11.410	1088250	20.0
1-Heneicosanol	13.898	7.0	ng	325821	5	14.045	934715	20.0
Carbonic acid, ...	14.527	2.6	ng	121044	5	14.045	934715	20.0
Octadecanal	14.980	4.3	ng	199972	6	15.527	932433	20.0
Hexacosane	15.174	2.3	ng	108230	6	15.527	932433	20.0
1-Heptacosanol	15.204	8.2	ng	381598	6	15.527	932433	20.0
Oxirane, hexade...	15.774	2.8	ng	129767	6	15.527	932433	20.0
Tetratetracontane	16.015	5.9	ng	276107	6	15.527	932433	20.0
Octacosanol	16.074	2.1	ng	100380	6	15.527	932433	20.0
Oxirane, heptad...	16.833	2.2	ng	100634	6	15.527	932433	20.0
unknown17.221	17.221	4.7	ng	220779	6	15.527	932433	20.0
.gamma.-Sitosterol	17.639	7.9	ng	367664	6	15.527	932433	20.0

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-3	SDG No.:	P4385
Lab Sample ID:	P4385-06	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94.1
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
BF139938.D	1	10/11/24 09:38	10/22/24 19:54	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	190	U	190	350	ug/Kg
108-95-2	Phenol	87.9	U	87.9	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	88.8	U	88.8	180	ug/Kg
95-57-8	2-Chlorophenol	88.6	U	88.6	180	ug/Kg
95-48-7	2-Methylphenol	85.5	U	85.5	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	96.4	U	96.4	180	ug/Kg
98-86-2	Acetophenone	92.2	U	92.2	180	ug/Kg
65794-96-9	3+4-Methylphenols	84.6	U	84.6	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	42.7	U	42.7	84.8	ug/Kg
67-72-1	Hexachloroethane	88.0	U	88.0	180	ug/Kg
98-95-3	Nitrobenzene	96.3	U	96.3	180	ug/Kg
78-59-1	Isophorone	89.7	U	89.7	180	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	180	ug/Kg
105-67-9	2,4-Dimethylphenol	98.8	U	98.8	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	91.0	U	91.0	180	ug/Kg
120-83-2	2,4-Dichlorophenol	80.1	U	80.1	180	ug/Kg
91-20-3	Naphthalene	87.6	U	87.6	180	ug/Kg
106-47-8	4-Chloroaniline	87.6	UQ	87.6	180	ug/Kg
87-68-3	Hexachlorobutadiene	88.3	U	88.3	180	ug/Kg
105-60-2	Caprolactam	92.1	U	92.1	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	82.2	U	82.2	180	ug/Kg
91-57-6	2-Methylnaphthalene	87.5	U	87.5	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	170	UQ	170	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	75.7	U	75.7	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	78.5	U	78.5	180	ug/Kg
92-52-4	1,1-Biphenyl	92.7	U	92.7	180	ug/Kg
91-58-7	2-Chloronaphthalene	88.3	U	88.3	180	ug/Kg
88-74-4	2-Nitroaniline	100	U	100	180	ug/Kg
131-11-3	Dimethylphthalate	86.6	U	86.6	180	ug/Kg

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-3	SDG No.:	P4385
Lab Sample ID:	P4385-06	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94.1
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
BF139938.D	1	10/11/24 09:38	10/22/24 19:54	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	91.7	U	91.7	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	88.2	U	88.2	180	ug/Kg
99-09-2	3-Nitroaniline	94.6	UQ	94.6	180	ug/Kg
83-32-9	Acenaphthene	86.0	U	86.0	180	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	350	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	350	ug/Kg
132-64-9	Dibenzofuran	89.5	U	89.5	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	91.4	U	91.4	180	ug/Kg
84-66-2	Diethylphthalate	85.0	U	85.0	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	90.8	U	90.8	180	ug/Kg
86-73-7	Fluorene	90.7	U	90.7	180	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	UQ	120	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	86.5	U	86.5	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	83.7	U	83.7	180	ug/Kg
118-74-1	Hexachlorobenzene	90.1	U	90.1	180	ug/Kg
1912-24-9	Atrazine	96.9	U	96.9	180	ug/Kg
87-86-5	Pentachlorophenol	82.0	U	82.0	350	ug/Kg
85-01-8	Phenanthrene	89.1	U	89.1	180	ug/Kg
120-12-7	Anthracene	89.5	U	89.5	180	ug/Kg
86-74-8	Carbazole	85.2	U	85.2	180	ug/Kg
84-74-2	Di-n-butylphthalate	89.4	U	89.4	180	ug/Kg
206-44-0	Fluoranthene	86.6	U	86.6	180	ug/Kg
129-00-0	Pyrene	88.0	U	88.0	180	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	100	U	100	350	ug/Kg
56-55-3	Benzo(a)anthracene	85.6	U	85.6	180	ug/Kg
218-01-9	Chrysene	84.3	U	84.3	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	96.5	U	96.5	180	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	86.0	U	86.0	180	ug/Kg

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-3	SDG No.:	P4385
Lab Sample ID:	P4385-06	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94.1
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
BF139938.D	1	10/11/24 09:38	10/22/24 19:54	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	87.6	U	87.6	180	ug/Kg
50-32-8	Benzo(a)pyrene	98.6	U	98.6	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	82.8	U	82.8	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	86.1	U	86.1	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	85.0	U	85.0	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	92.1	U	92.1	180	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	79.2	U	79.2	180	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	112		30 (18) - 130 (112)	75%	SPK: 150
13127-88-3	Phenol-d6	110		30 (15) - 130 (107)	73%	SPK: 150
4165-60-0	Nitrobenzene-d5	83.2		30 (18) - 130 (107)	83%	SPK: 100
321-60-8	2-Fluorobiphenyl	85.9		30 (20) - 130 (109)	86%	SPK: 100
118-79-6	2,4,6-Tribromophenol	81.8		30 (10) - 130 (116)	55%	SPK: 150
1718-51-0	Terphenyl-d14	65.9		30 (10) - 130 (105)	66%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	134000	6.887
1146-65-2	Naphthalene-d8	526000	8.169
15067-26-2	Acenaphthene-d10	268000	9.922
1517-22-2	Phenanthrene-d10	400000	11.41
1719-03-5	Chrysene-d12	295000	14.051
1520-96-3	Perylene-d12	332000	15.527

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	3500	JB	2.19	ug/Kg
000141-79-7	3-Penten-2-one, 4-methyl-	160	A	4.50	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	280	AB	5.12	ug/Kg
001119-40-0	Pentanedioic acid, dimethyl ester	82.0	J	7.70	ug/Kg
000119-61-9	Benzophenone	510	J	10.6	ug/Kg
000947-19-3	Methanone, (1-hydroxycyclohexyl)ph	100	J	10.9	ug/Kg
000112-88-9	1-Octadecene	98.3	J	12.5	ug/Kg

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-3	SDG No.:	P4385
Lab Sample ID:	P4385-06	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94.1
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		GPC Factor :	1.0
Prep Method :	SW3541	Level :	LOW
		Final Vol:	1000 uL
		Test:	SVOC-TCL BNA -20
		GPC Cleanup :	N
		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139938.D	1	10/11/24 09:38	10/22/24 19:54	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
010395-09-2	1,3-Propanediol, 2-dodecyl	91.2	J		13.2	ug/Kg
000557-61-9	Octacosanol	410	J		13.9	ug/Kg
000629-78-7	Heptadecane	140	J		14.5	ug/Kg
057866-08-7	Tetracosanal	200	J		15.0	ug/Kg
000630-01-3	Hexacosane	140	J		15.2	ug/Kg
015594-90-8	1-Heneicosanol	360	J		15.2	ug/Kg
000638-66-4	Octadecanal	140	J		15.8	ug/Kg
000646-31-1	Tetracosane	290	J		16.0	ug/Kg
000661-19-8	Behenic alcohol	130	J		16.1	ug/Kg
007390-81-0	Oxirane, hexadecyl-	120	J		16.8	ug/Kg
004736-95-2	22-Stigmasten-3-one	250	J		17.2	ug/Kg
000083-47-6	.gamma.-Sitosterol	360	J		17.6	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139938.D
Acq On : 22 Oct 2024 19:54
Operator : RC/JU
Sample : P4385-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-3

Quant Time: Oct 23 06:22:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	133976	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	526107	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	267934	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	399571	20.000	ng	0.00
76) Chrysene-d12	14.051	240	295422	20.000	ng	0.00
86) Perylene-d12	15.527	264	332333	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	960943	112.285	ng	0.00
7) Phenol-d6	6.504	99	1215916	109.699	ng	0.00
23) Nitrobenzene-d5	7.445	82	789539	83.175	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	204962	81.783	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1392694	85.906	ng	0.00
79) Terphenyl-d14	12.998	244	1194136	65.866	ng	0.00

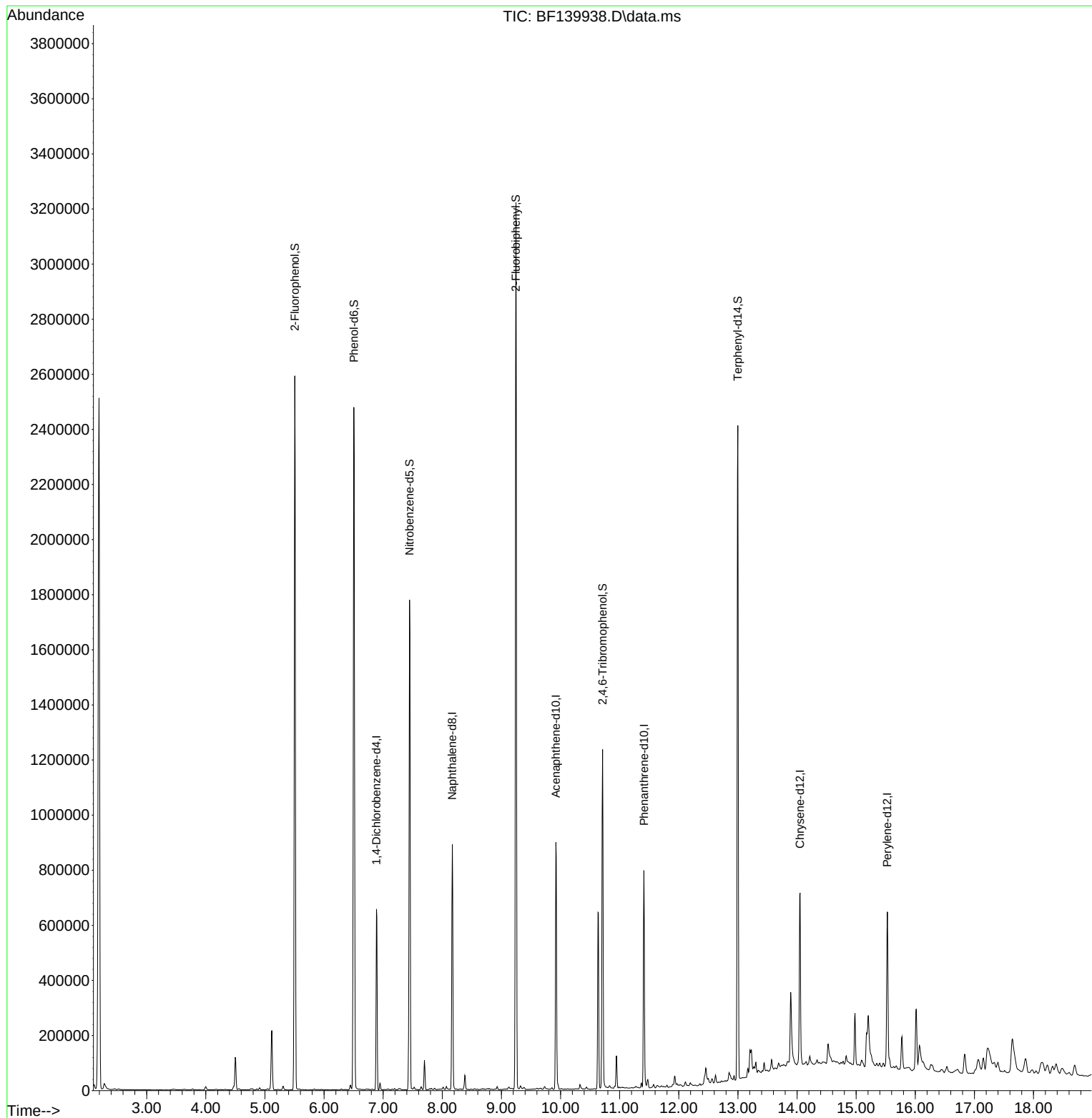
Target Compounds	Qvalue

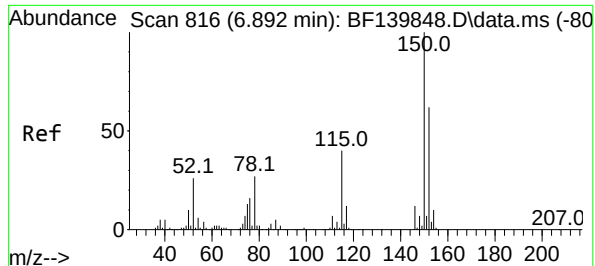
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139938.D
Acq On : 22 Oct 2024 19:54
Operator : RC/JU
Sample : P4385-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-3

Quant Time: Oct 23 06:22:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

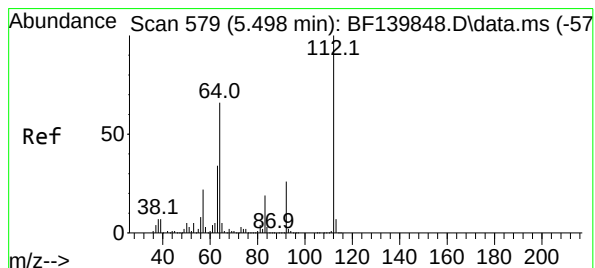
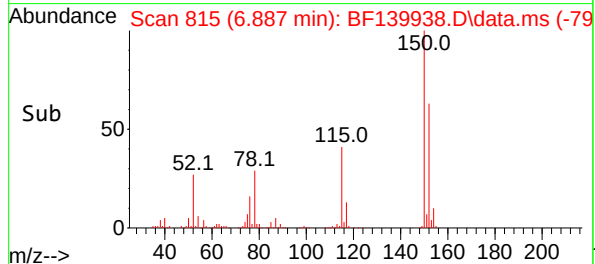
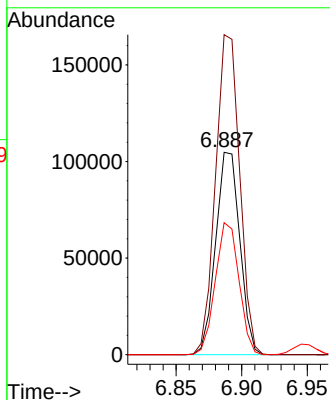
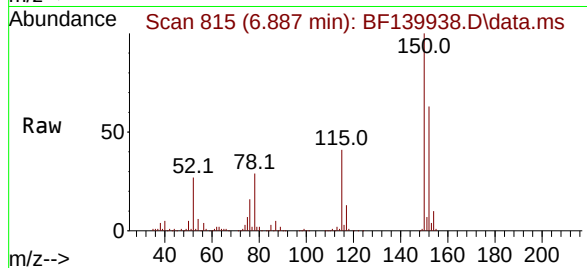




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.005 min
Lab File: BF139938.D
Acq: 22 Oct 2024 19:54

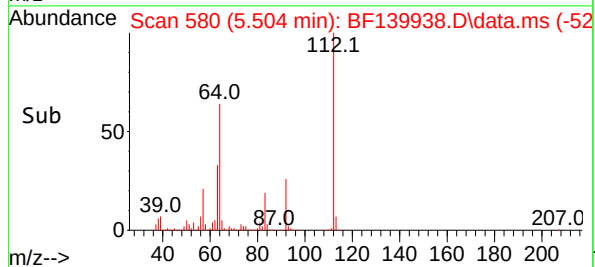
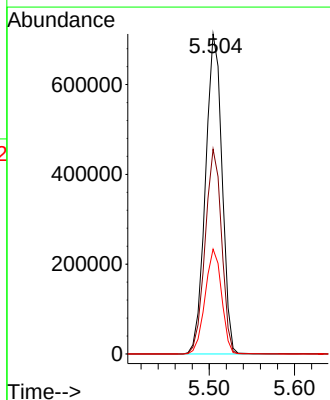
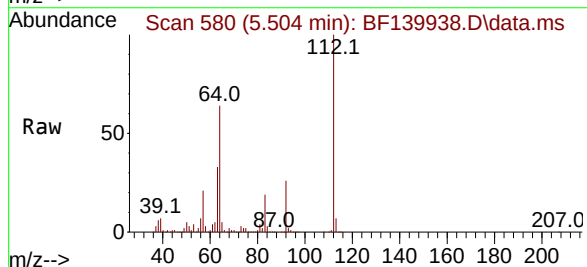
Instrument :
BNA_F
ClientSampleId :
SP-3

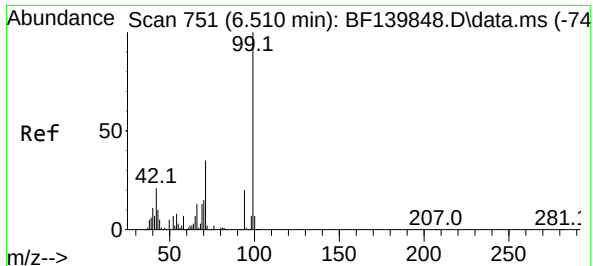
Tgt Ion:152 Resp: 133976
Ion Ratio Lower Upper
152 100
150 158.0 130.2 195.2
115 65.2 51.4 77.2



#5
2-Fluorophenol
Concen: 112.285 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF139938.D
Acq: 22 Oct 2024 19:54

Tgt Ion:112 Resp: 960943
Ion Ratio Lower Upper
112 100
64 64.0 53.0 79.6
63 32.8 27.0 40.4

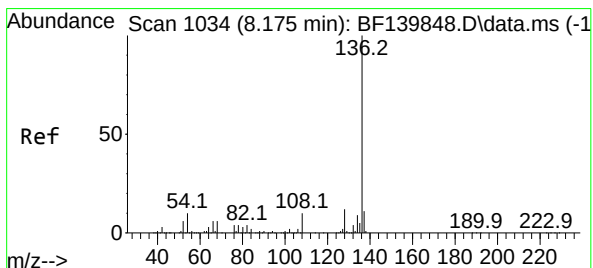
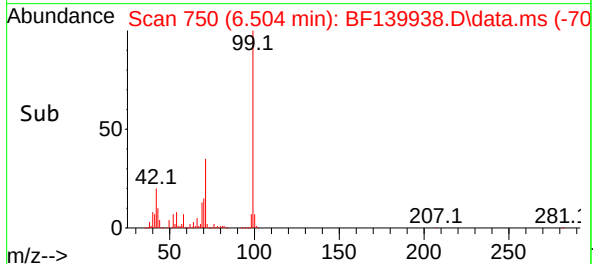
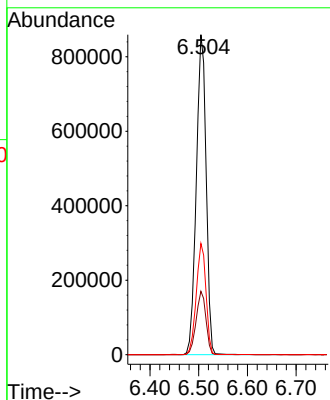
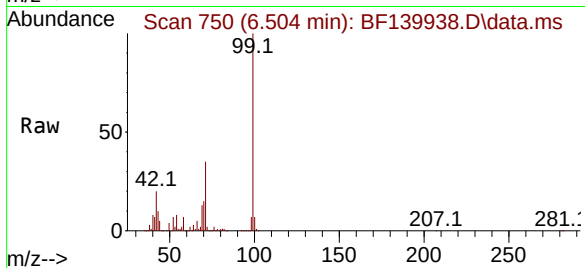




#7
Phenol-d6
Concen: 109.699 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF139938.D
Acq: 22 Oct 2024 19:54

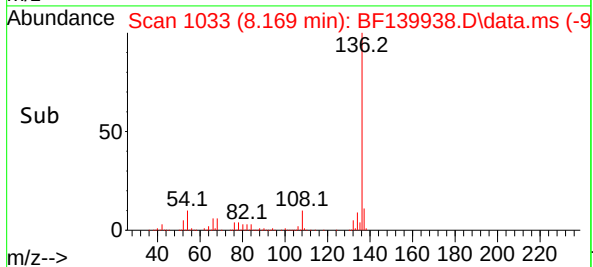
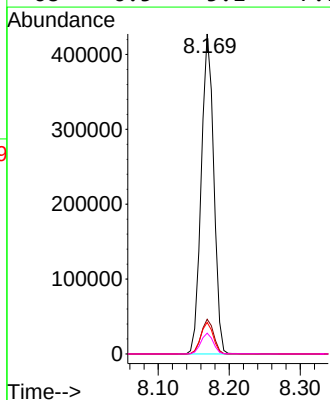
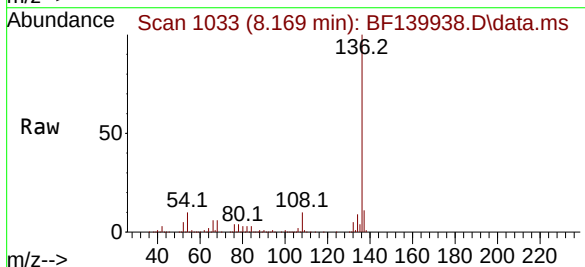
Instrument :
BNA_F
ClientSampleId :
SP-3

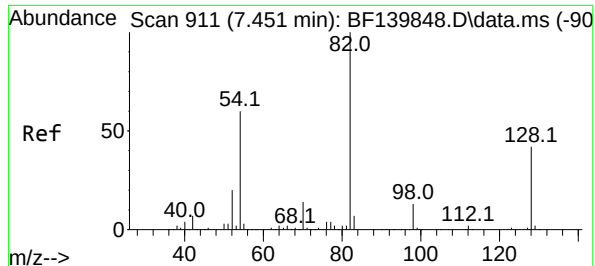
Tgt Ion: 99 Resp: 1215916
Ion Ratio Lower Upper
99 100
42 19.8 16.7 25.1
71 34.8 27.7 41.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF139938.D
Acq: 22 Oct 2024 19:54

Tgt Ion: 136 Resp: 526107
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 9.9 8.4 12.6
68 6.5 5.1 7.7





#23

Nitrobenzene-d5

Concen: 83.175 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF139938.D

Acq: 22 Oct 2024 19:54

Instrument :

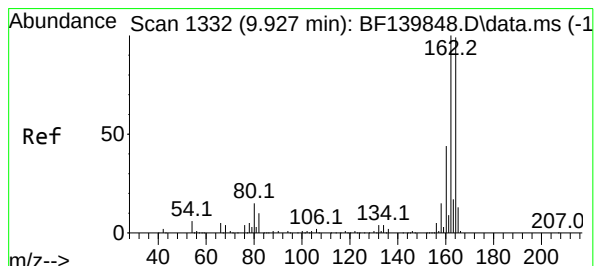
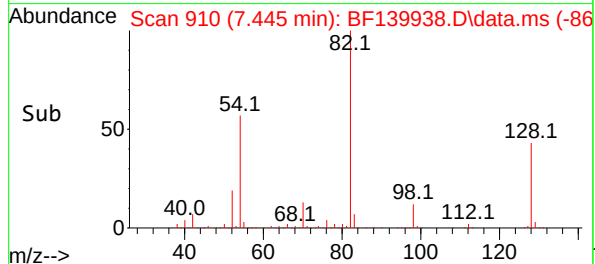
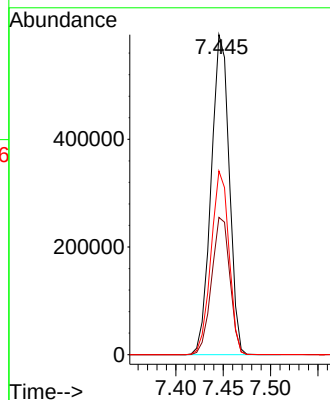
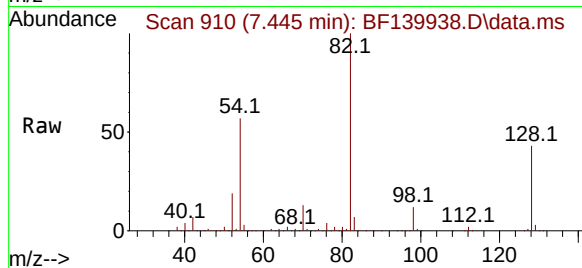
BNA_F

ClientSampleId :

SP-3

Tgt Ion: 82 Resp: 789539

Ion	Ratio	Lower	Upper
82	100		
128	42.9	33.4	50.0
54	57.4	47.8	71.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1331

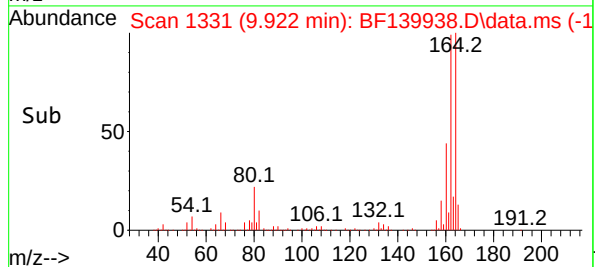
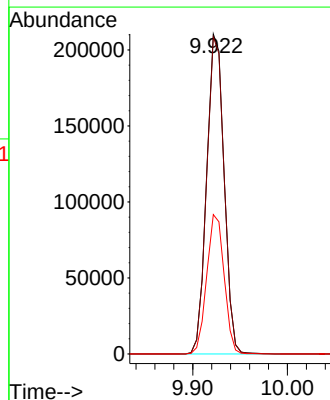
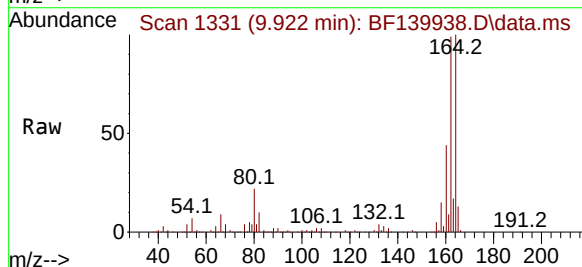
Delta R.T. -0.005 min

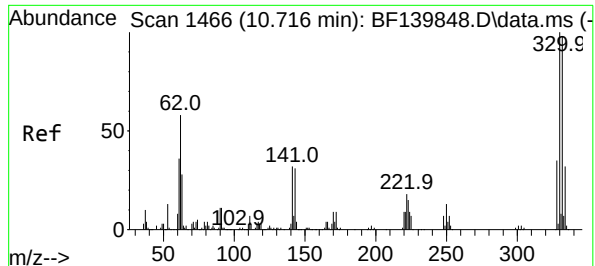
Lab File: BF139938.D

Acq: 22 Oct 2024 19:54

Tgt Ion: 164 Resp: 267934

Ion	Ratio	Lower	Upper
164	100		
162	99.0	81.0	121.4
160	43.6	35.4	53.0





#42

2,4,6-Tribromophenol

Concen: 81.783 ng

RT: 10.710 min Scan# 1466

Delta R.T. -0.006 min

Lab File: BF139938.D

Acq: 22 Oct 2024 19:54

Instrument :

BNA_F

ClientSampleId :

SP-3

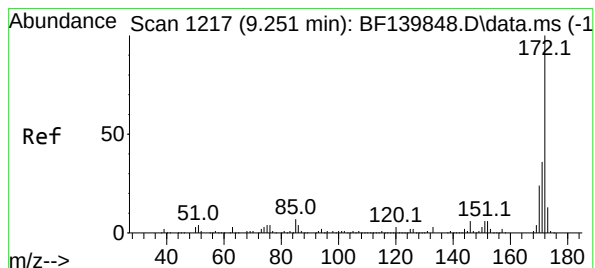
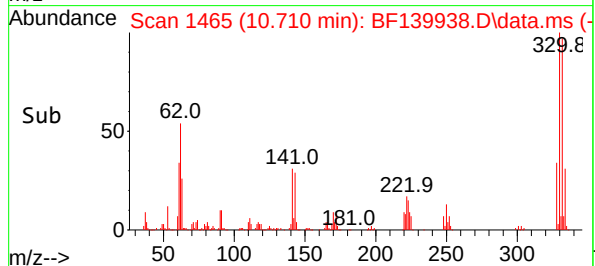
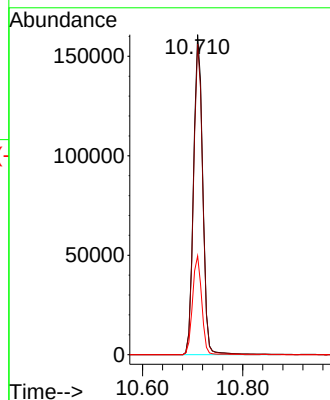
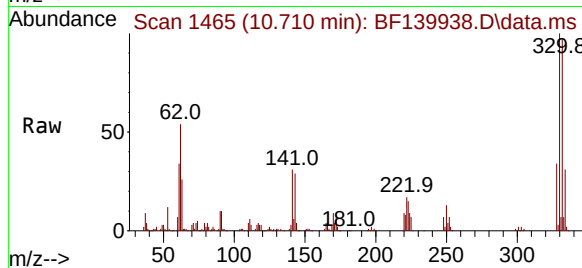
Tgt Ion:330 Resp: 204962

Ion Ratio Lower Upper

330 100

332 96.9 78.1 117.1

141 30.7 26.6 39.8



#45

2-Fluorobiphenyl

Concen: 85.906 ng

RT: 9.245 min Scan# 1216

Delta R.T. -0.006 min

Lab File: BF139938.D

Acq: 22 Oct 2024 19:54

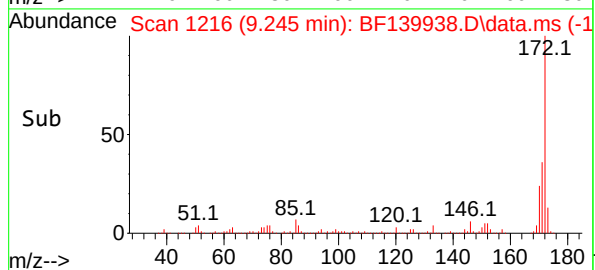
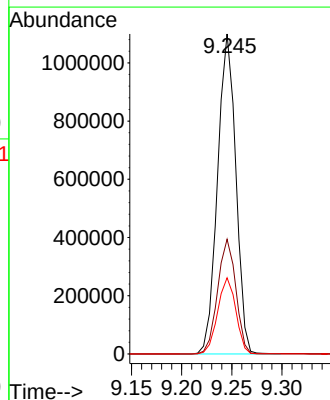
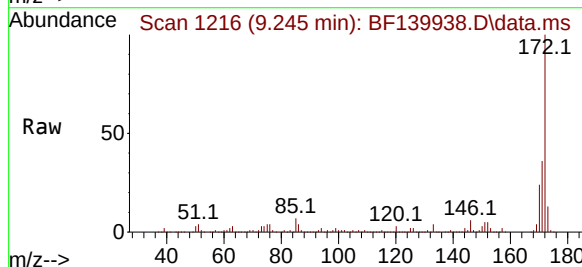
Tgt Ion:172 Resp: 1392694

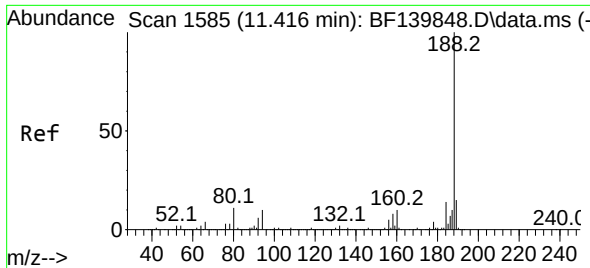
Ion Ratio Lower Upper

172 100

171 35.8 28.6 43.0

170 23.8 19.1 28.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139938.D

Acq: 22 Oct 2024 19:54

Instrument :

BNA_F

ClientSampleId :

SP-3

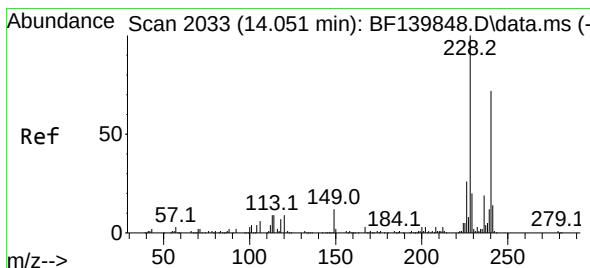
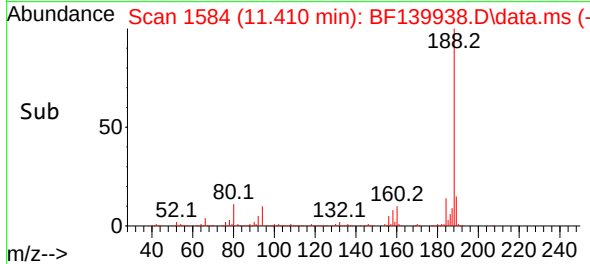
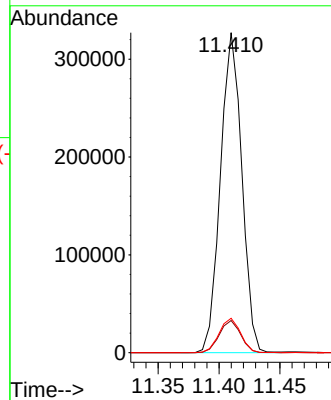
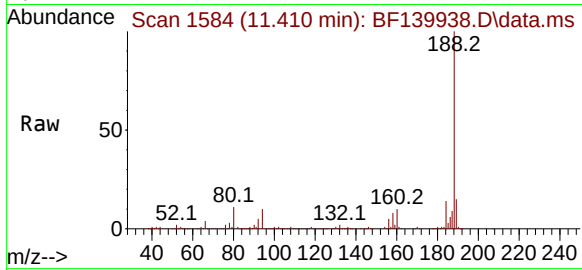
Tgt Ion:188 Resp: 399571

Ion Ratio Lower Upper

188 100

94 10.0 7.9 11.9

80 10.8 9.0 13.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2033

Delta R.T. 0.000 min

Lab File: BF139938.D

Acq: 22 Oct 2024 19:54

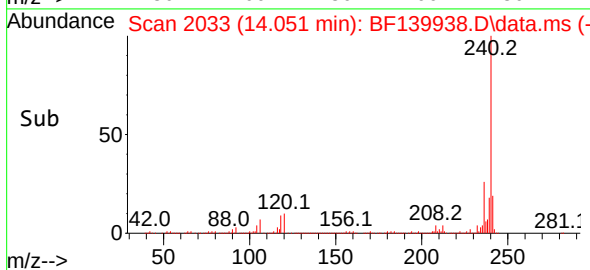
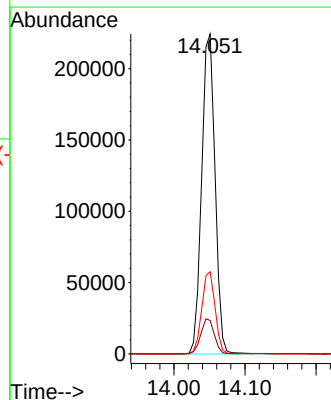
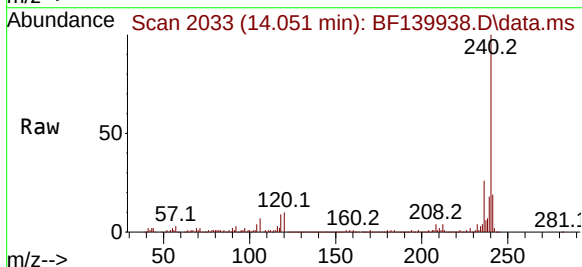
Tgt Ion:240 Resp: 295422

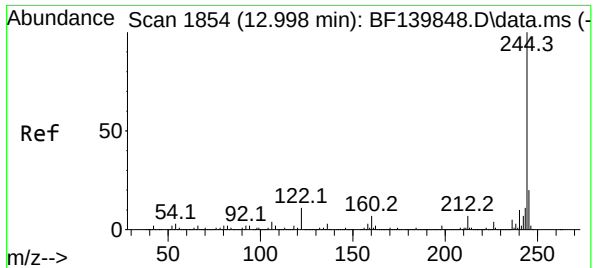
Ion Ratio Lower Upper

240 100

120 10.5 9.4 14.2

236 25.7 20.9 31.3





#79

Terphenyl-d14

Concen: 65.866 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.000 min

Lab File: BF139938.D

Acq: 22 Oct 2024 19:54

Instrument :

BNA_F

ClientSampleId :

SP-3

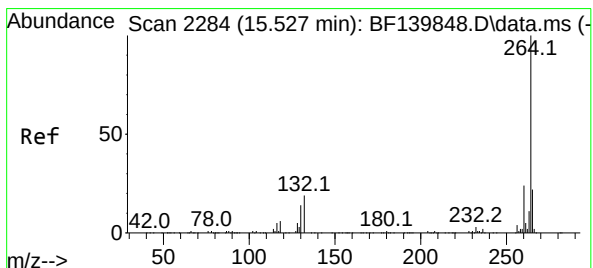
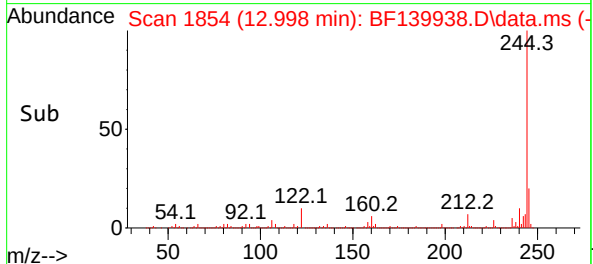
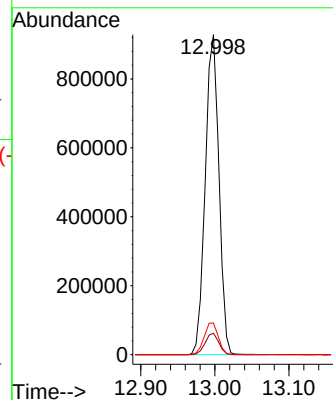
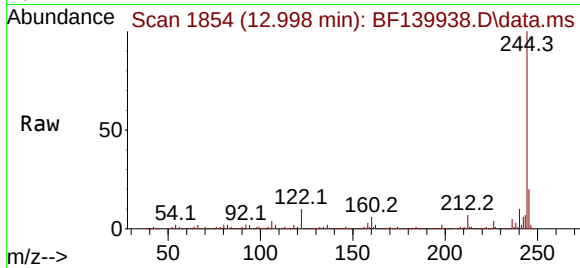
Tgt Ion:244 Resp: 1194136

Ion Ratio Lower Upper

244 100

212 6.7 5.7 8.5

122 9.9 8.6 13.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 2284

Delta R.T. 0.000 min

Lab File: BF139938.D

Acq: 22 Oct 2024 19:54

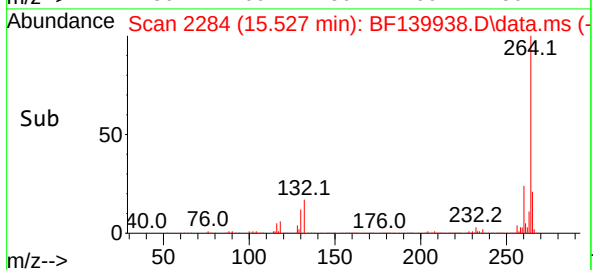
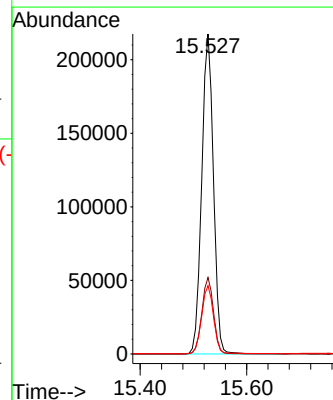
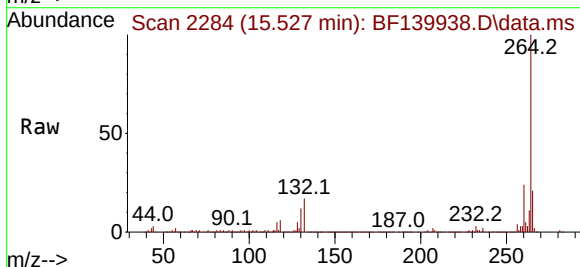
Tgt Ion:264 Resp: 332333

Ion Ratio Lower Upper

264 100

260 23.9 19.4 29.2

265 21.4 17.4 26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
 Data File : BF139938.D
 Acq On : 22 Oct 2024 19:54
 Operator : RC/JU
 Sample : P4385-06
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-3

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-BF101824.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF139938.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.193	8	17	24	rVV	2506648	4114463	100.00%	12.210%
2	2.281	27	32	49	rVB3	21642	58933	1.43%	0.175%
3	4.499	396	409	415	rBV	118227	188784	4.59%	0.560%
4	5.116	506	514	522	rVB	215683	333870	8.11%	0.991%
5	5.504	574	580	585	rBV	2591875	3477741	84.52%	10.320%
6	6.504	744	750	756	rBV	2473308	3535930	85.94%	10.493%
7	6.887	810	815	821	rVB	655945	828408	20.13%	2.458%
8	7.445	904	910	915	rBV	1777803	2366752	57.52%	7.023%
9	7.698	948	953	958	rVB	106289	127020	3.09%	0.377%
10	8.169	1028	1033	1038	rBV	888399	1096054	26.64%	3.253%
11	8.381	1063	1069	1077	rVB	51022	71121	1.73%	0.211%
12	9.245	1210	1216	1221	rBV	3217994	4068991	98.89%	12.075%
13	9.922	1326	1331	1336	rBV	895313	1144822	27.82%	3.397%
14	10.633	1447	1452	1459	rBV	640284	830013	20.17%	2.463%
15	10.710	1459	1465	1475	rVV	1229145	1564087	38.01%	4.641%
16	10.945	1501	1505	1510	rVB	116939	141579	3.44%	0.420%
17	11.410	1579	1584	1591	rBV	785469	978400	23.78%	2.903%
18	11.475	1591	1595	1600	rVB4	30173	48417	1.18%	0.144%
19	12.457	1754	1762	1767	rBV2	57852	135796	3.30%	0.403%
20	12.851	1825	1829	1836	rBV2	28562	61218	1.49%	0.182%
21	12.998	1848	1854	1859	rBV	2375497	3097008	75.27%	9.190%
22	13.169	1879	1883	1885	rBV2	31805	45102	1.10%	0.134%
23	13.204	1885	1889	1891	rBV2	79136	114489	2.78%	0.340%
24	13.304	1903	1906	1910	rVB4	37136	47032	1.14%	0.140%
25	13.569	1948	1951	1957	rVB	33719	46162	1.12%	0.137%
26	13.892	2001	2006	2023	rVB	263912	520334	12.65%	1.544%
27	14.051	2027	2033	2042	rVB	621967	888317	21.59%	2.636%
28	14.527	2109	2114	2126	rBV3	69835	181541	4.41%	0.539%
29	14.980	2186	2191	2199	rVB	187923	263228	6.40%	0.781%
30	15.180	2220	2225	2226	rBV	121312	179130	4.35%	0.532%
31	15.204	2226	2229	2249	rVB2	183068	463953	11.28%	1.377%
32	15.527	2278	2284	2297	rVB	565279	919765	22.35%	2.729%
33	15.774	2321	2326	2333	rBV	114560	187482	4.56%	0.556%
34	16.015	2361	2367	2372	rBV	217675	383514	9.32%	1.138%
35	16.068	2372	2376	2385	rVV	69445	169844	4.13%	0.504%
36	16.833	2501	2506	2517	rVB	69182	151160	3.67%	0.449%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139938.D
Acq On : 22 Oct 2024 19:54
Operator : RC/JU
Sample : P4385-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-3

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-BF101824.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	17.151	2555	2560	2565	rVB	40100	75524	1.84%	0.224%
38	17.227	2566	2573	2586	rBV7	73649	326286	7.93%	0.968%
39	17.639	2636	2643	2668	rVB4	118070	466499	11.34%	1.384%

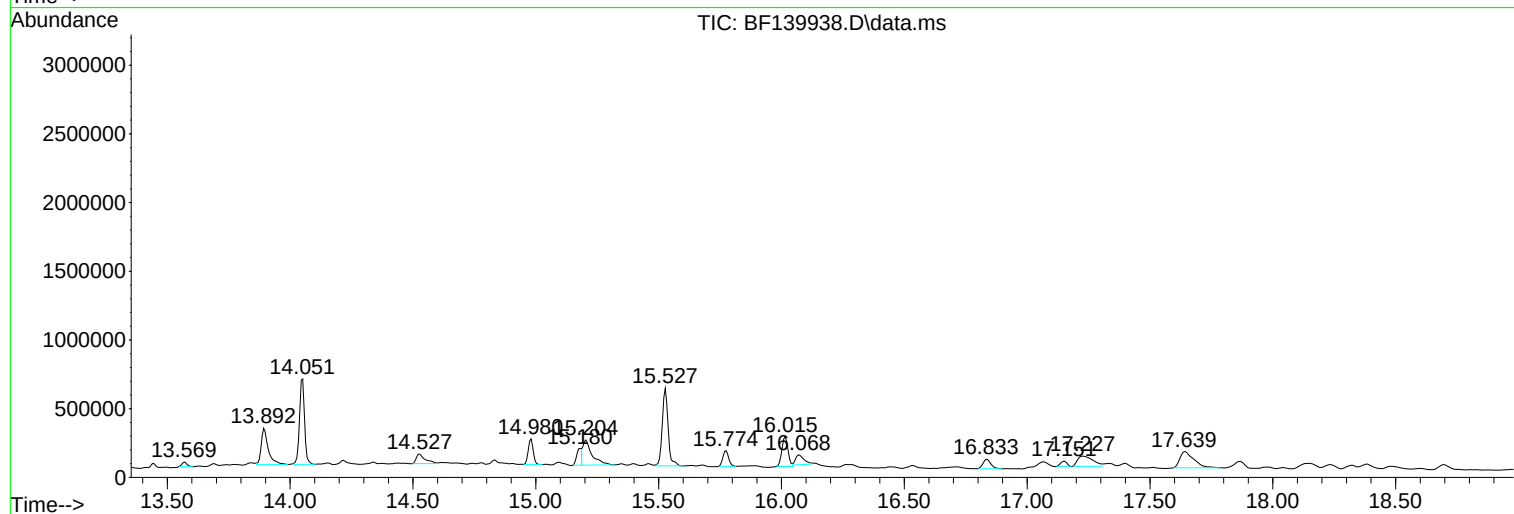
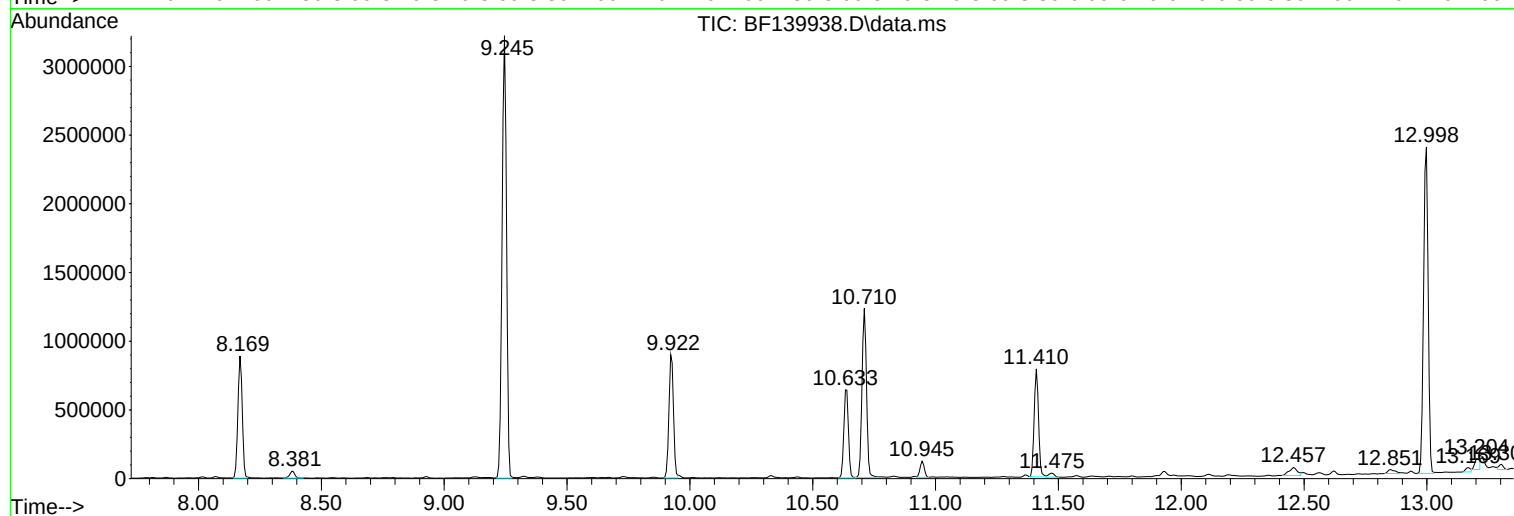
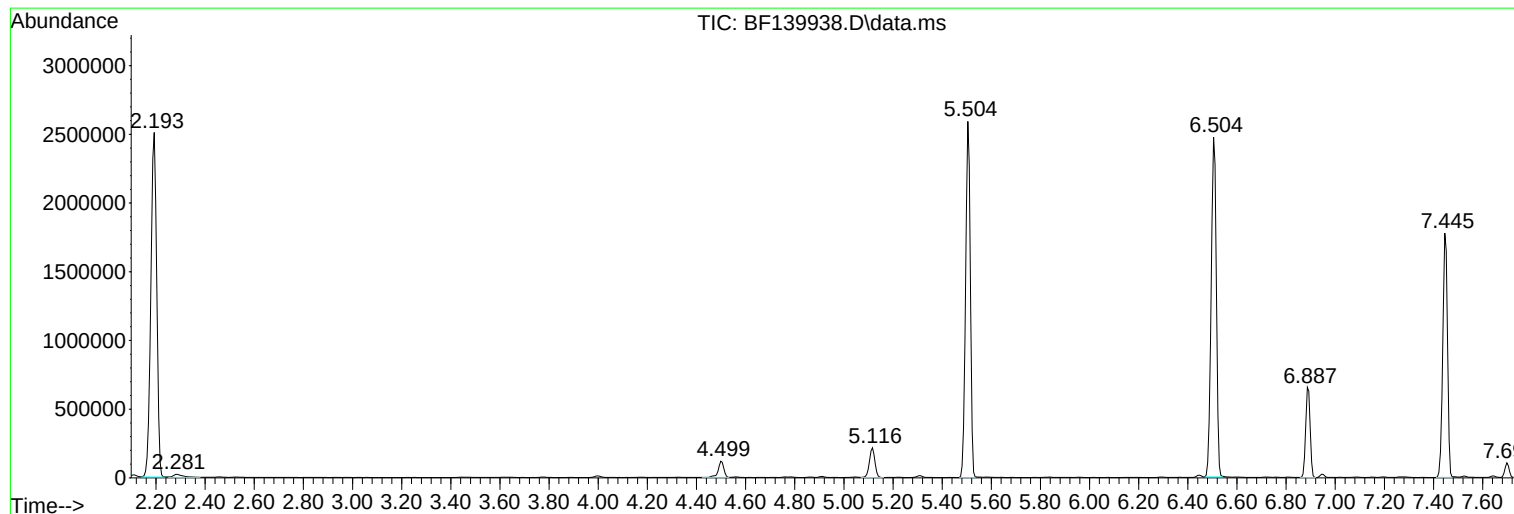
Sum of corrected areas: 33698769

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139938.D
Acq On : 22 Oct 2024 19:54
Operator : RC/JU
Sample : P4385-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.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\BF102224\
Data File : BF139938.D
Acq On : 22 Oct 2024 19:54
Operator : RC/JU
Sample : P4385-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-3

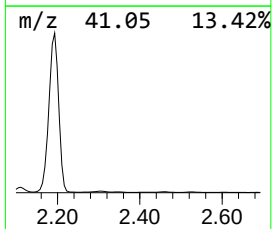
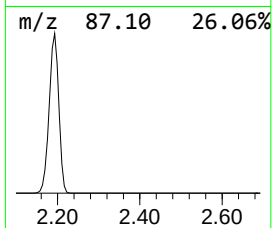
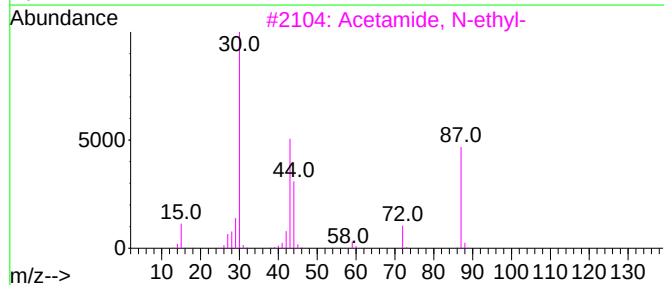
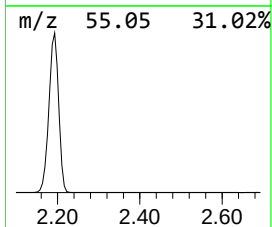
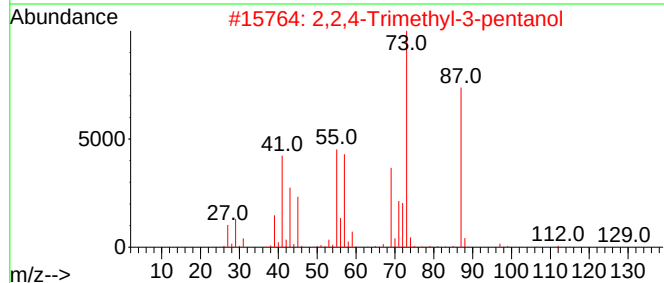
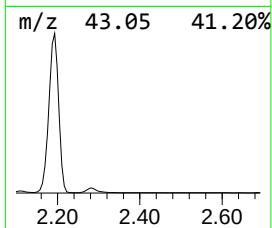
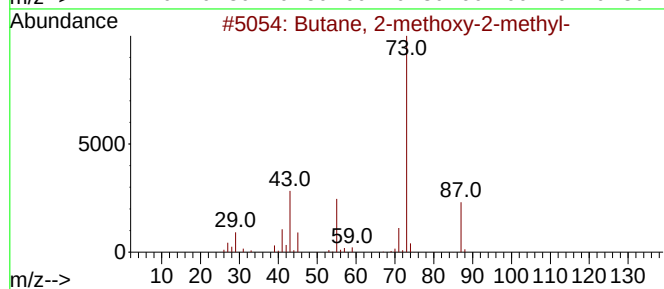
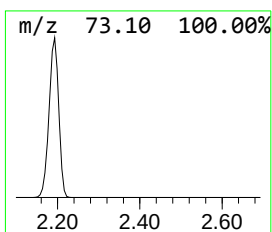
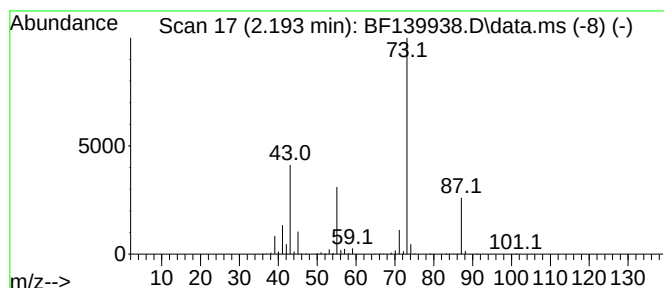
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.193	99.33 ng	4114460	1,4-Dichlorobenzene-d4	6.887

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3			Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	27
4			1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
5			Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	17



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139938.D
Acq On : 22 Oct 2024 19:54
Operator : RC/JU
Sample : P4385-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-3

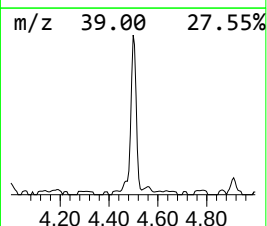
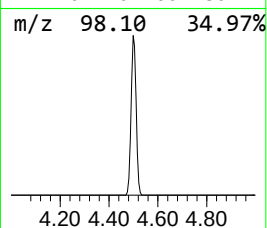
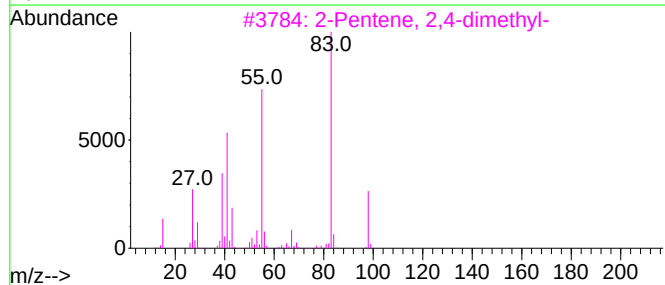
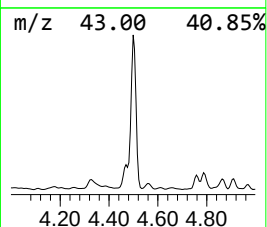
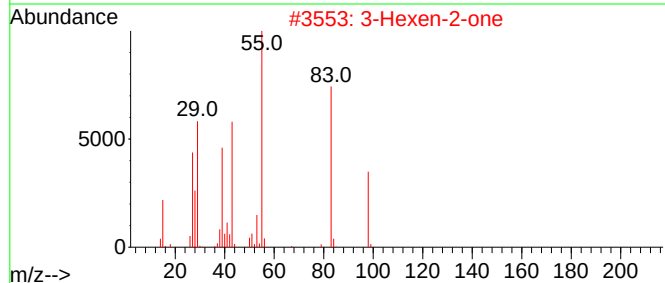
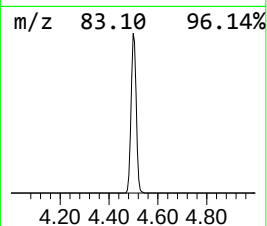
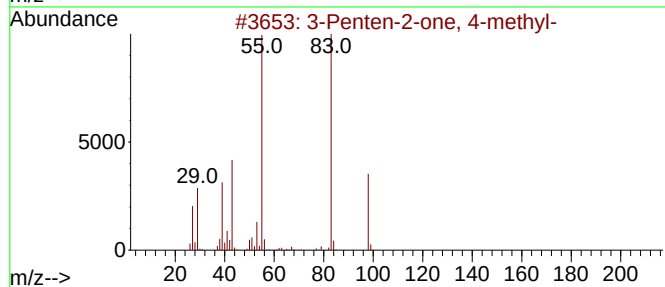
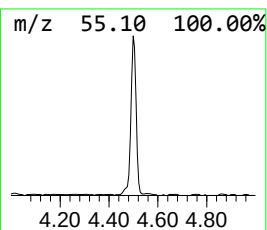
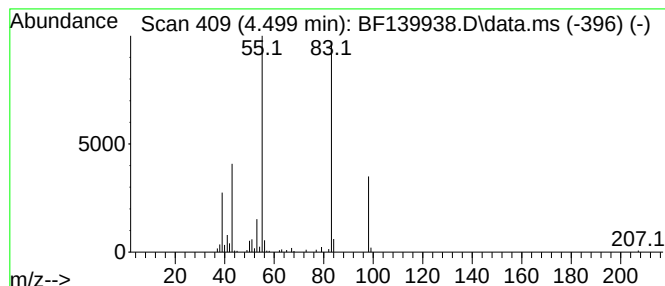
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 3-Penten-2-one, 4-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.499	4.56 ng	188784	1,4-Dichlorobenzene-d4	6.887

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	94
2		3-Hexen-2-one	98	C6H10O	000763-93-9	91
3		2-Pentene, 2,4-dimethyl-	98	C7H14	000625-65-0	87
4		2-Pentene, 4,4-dimethyl-, (Z)-	98	C7H14	000762-63-0	86
5		2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	83



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139938.D
Acq On : 22 Oct 2024 19:54
Operator : RC/JU
Sample : P4385-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-3

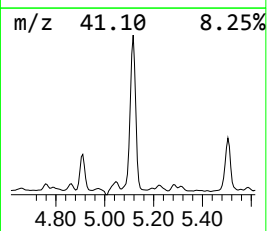
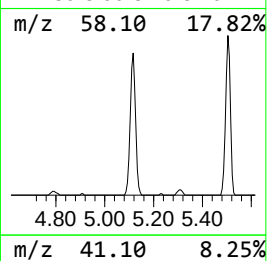
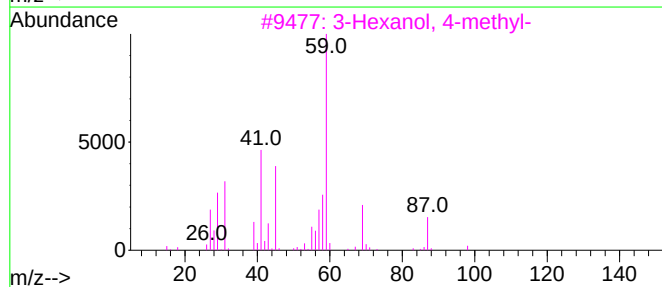
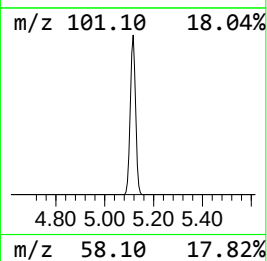
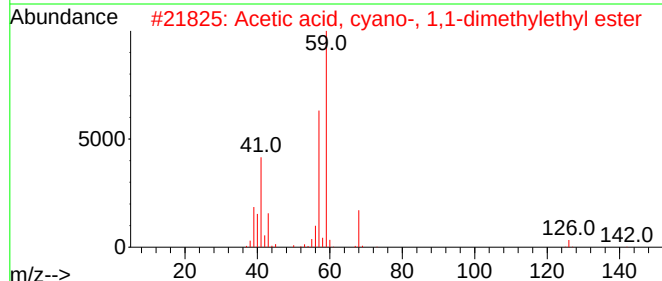
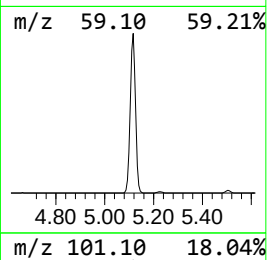
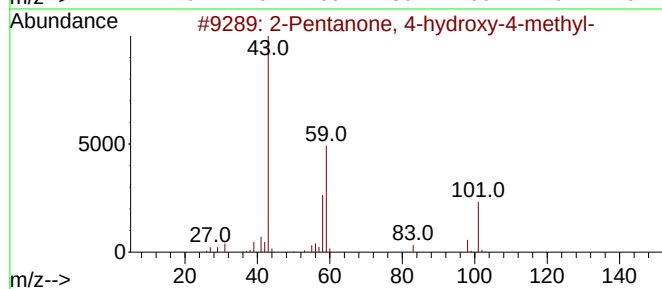
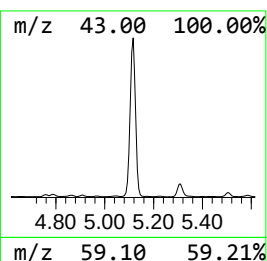
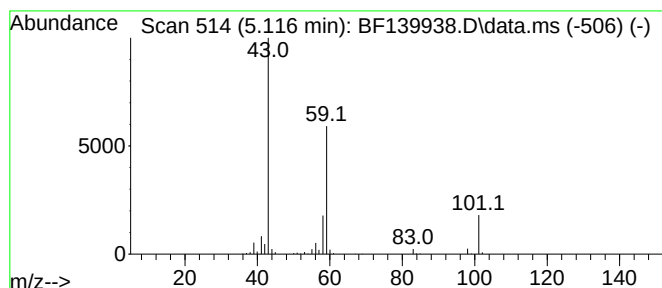
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.116	8.06 ng	333870	1,4-Dichlorobenzene-d4	6.887

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59	
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	37	
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33	
4	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28	
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	16	



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Data File : BF139938.D
Acq On : 22 Oct 2024 19:54
Operator : RC/JU
Sample : P4385-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-3

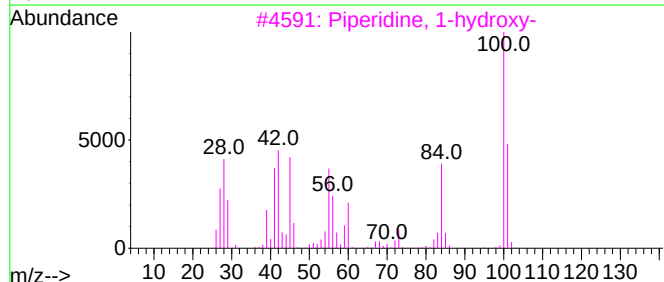
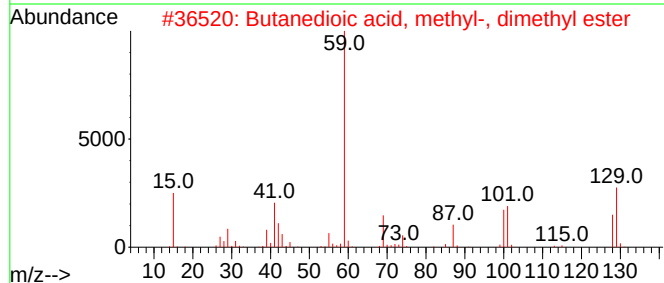
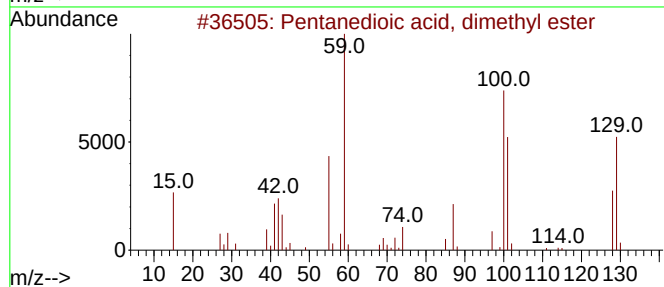
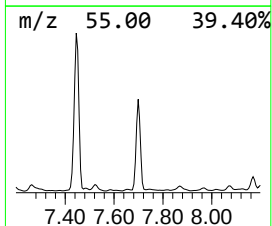
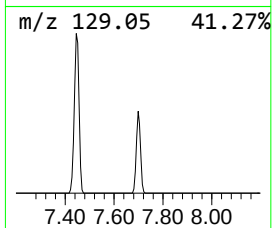
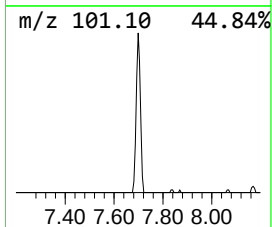
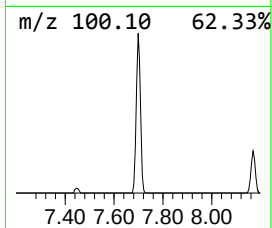
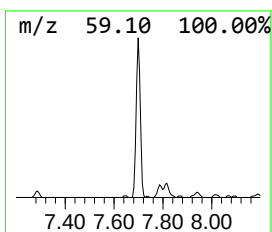
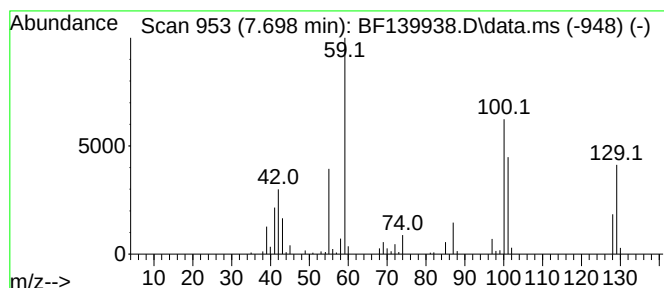
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Pentanedioic acid, dimethyl... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.698	2.32 ng	127020	Naphthalene-d8	8.169

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentanedioic acid, dimethyl ester	160	C7H12O4	001119-40-0	91
2			Butanedioic acid, methyl-, dimet...	160	C7H12O4	001604-11-1	53
3			Piperidine, 1-hydroxy-	101	C5H11NO	004801-58-5	38
4			Hydrazine, 1,1-bis(1-methylethyl)-	116	C6H16N2	000921-14-2	25
5			6-Methyl-2-heptanol, methyl ether	144	C9H20O	1000365-52-0	12



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139938.D
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Sample : P4385-06
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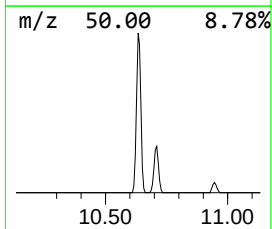
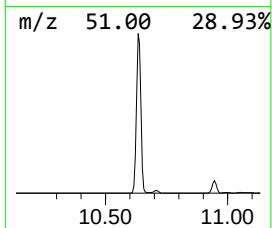
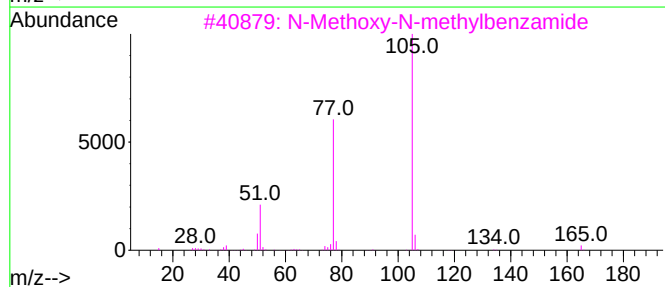
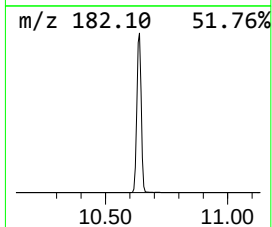
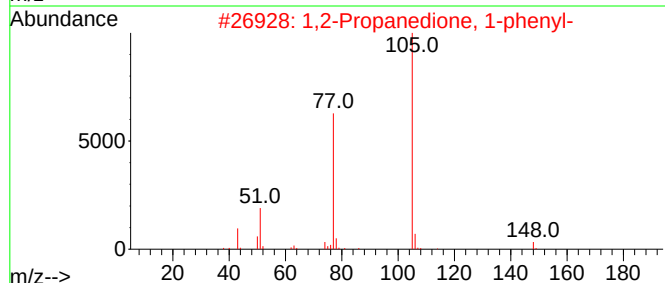
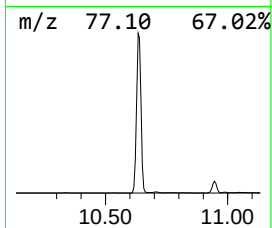
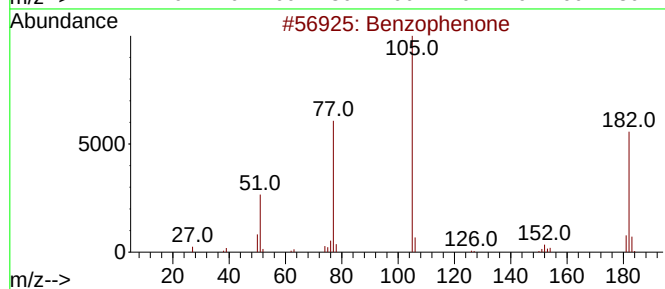
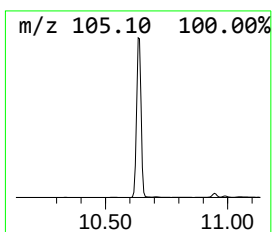
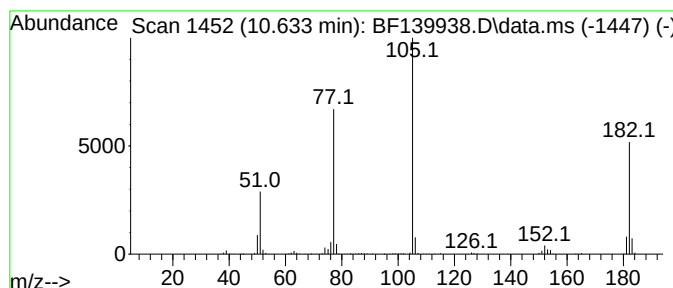
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD			R.T.	
10.633	14.50 ng	830013	Acenaphthene-d10			9.922	
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			1,2-Propanedione, 1-phenyl-	148	C9H8O2	000579-07-7	47
3			N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	47
4			1-Propanone, 3-chloro-1-phenyl-	168	C9H9ClO	000936-59-4	47
5			Methyl 2-benzoyl-4-cyanobutanoate	231	C13H13NO3	1010486-83-8	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139938.D
Acq On : 22 Oct 2024 19:54
Operator : RC/JU
Sample : P4385-06
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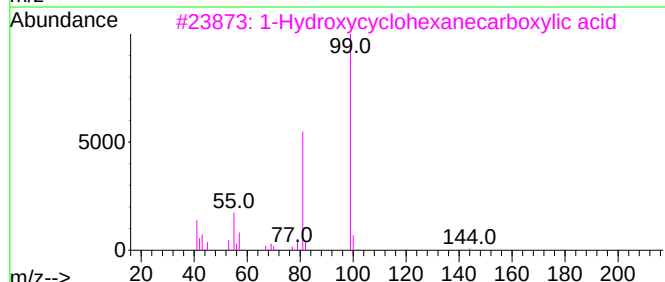
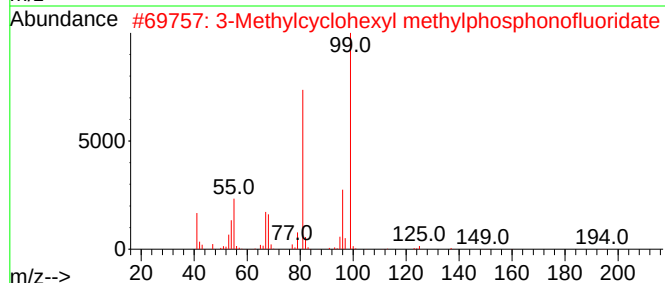
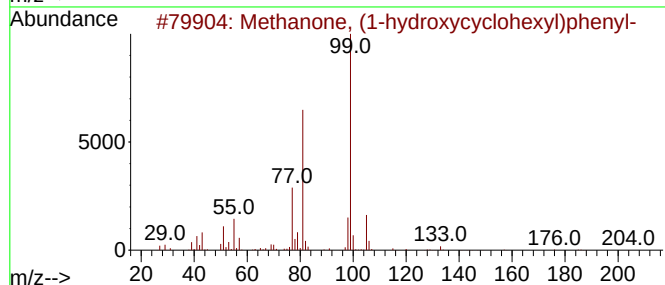
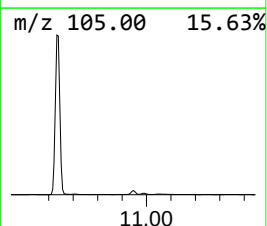
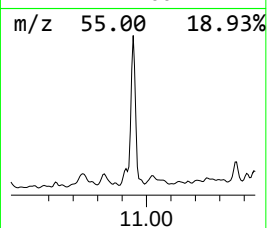
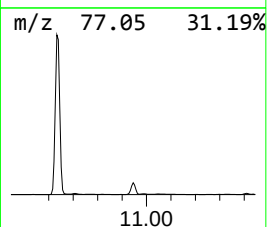
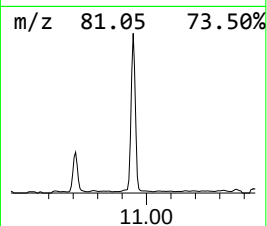
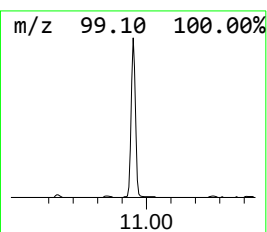
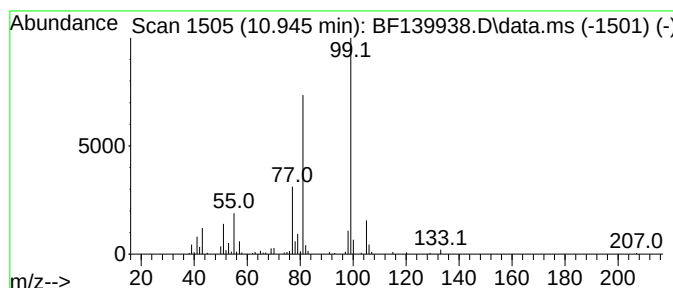
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Methanone, (1-hydroxycyclohexyl) Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD		R.T.	
10.945	2.89 ng	141579	Phenanthrene-d10		11.410	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Methanone, (1-hydroxycyclohexyl)...		204	C13H16O2	000947-19-3	90
2	3-Methylcyclohexyl methylphospho...		194	C8H16FO2P	113548-86-0	59
3	1-Hydroxycyclohexanecarboxylic acid		144	C7H12O3	001123-28-0	45
4	2-Methylcyclosarin		194	C8H16FO2P	085473-32-1	38
5	1,1'-Bicyclohexyl-1,1'-diol		198	C12H22O2	002888-11-1	16



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139938.D
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Sample : P4385-06
Misc :
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Instrument :
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ClientSampleId :
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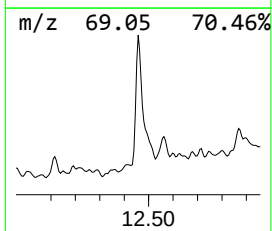
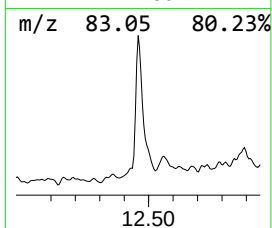
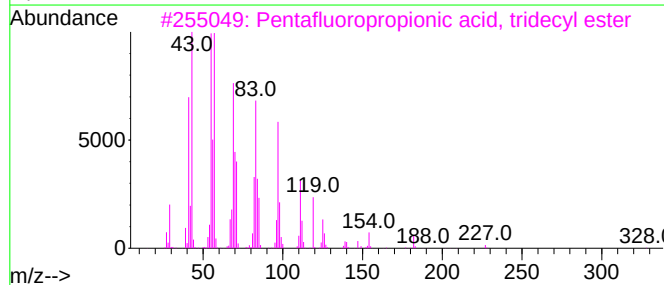
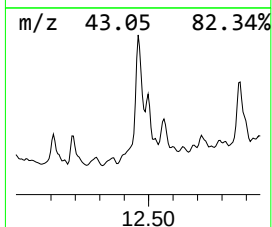
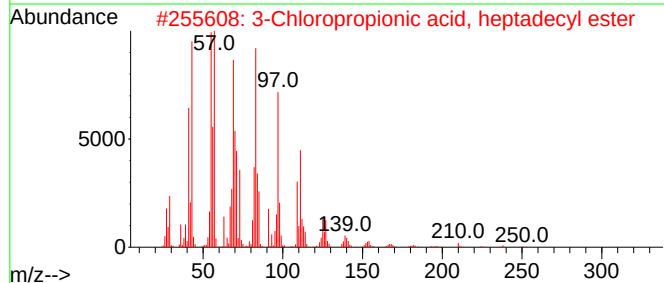
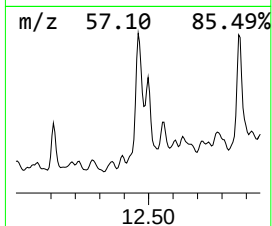
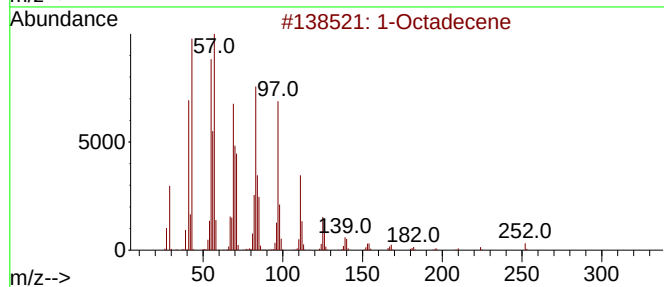
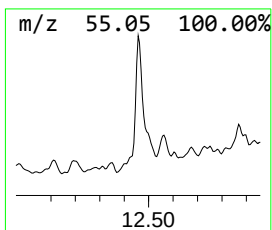
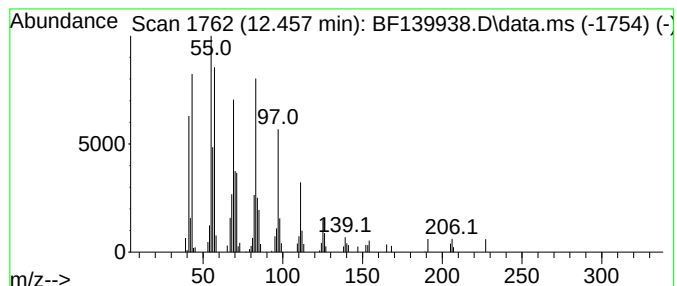
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 1-Octadecene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.457	2.78 ng	135796	Phenanthrene-d10	11.410

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Octadecene	252	C18H36	000112-88-9	94
2			3-Chloropropionic acid, heptadec...	346	C20H39ClO2	1000283-05-1	94
3			Pentafluoropropionic acid, tridec...	346	C16H27F5O2	959261-22-4	93
4			5-Eicosene, (E)-	280	C20H40	074685-30-6	91
5			1-Hexadecanol	242	C16H34O	036653-82-4	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139938.D
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Sample : P4385-06
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Instrument :
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ClientSampleId :
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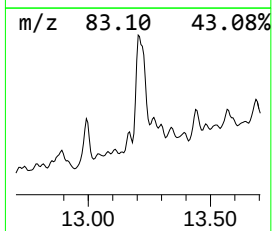
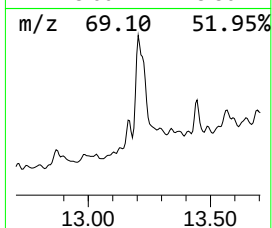
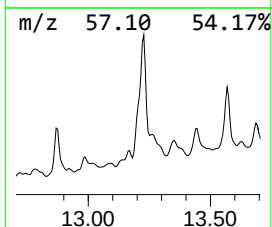
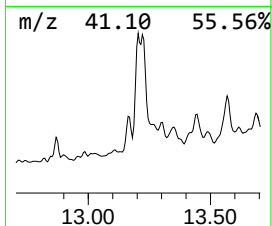
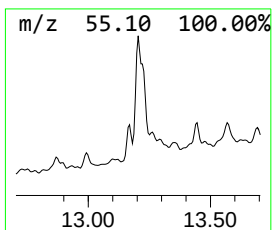
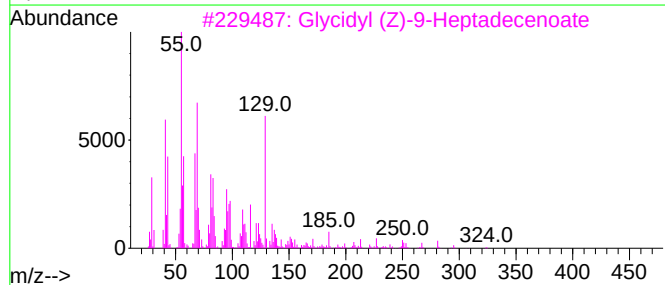
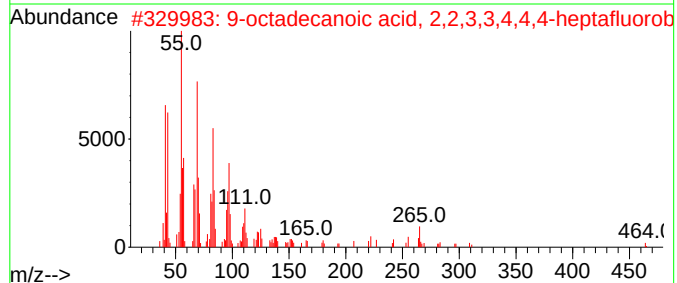
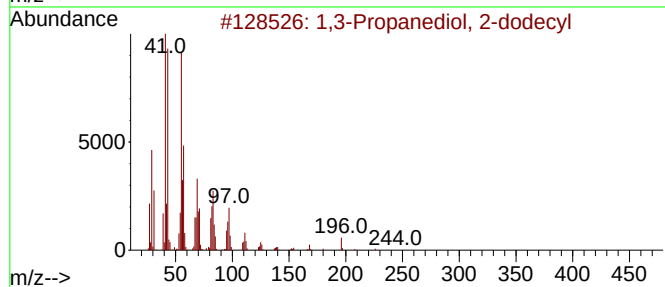
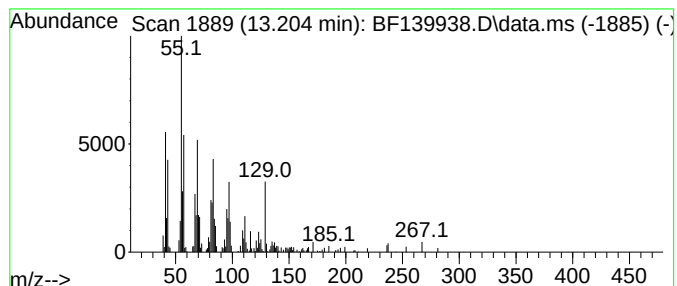
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 1,3-Propanediol, 2-dodecyl Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.204	2.58 ng	114489	Chrysene-d12	14.051

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,3-Propanediol, 2-dodecyl	244	C15H32O2	010395-09-2	55
2			9-octadecanoic acid, 2,2,3,3,4,4...	464	C22H35F7O2	1000376-61-4	52
3			Glycidyl (Z)-9-Heptadecenoate	324	C20H36O3	1000465-63-2	52
4			Undec-10-ynoic acid, undecyl ester	336	C22H40O2	1000406-16-4	46
5			Acetic acid, chloro-, hexadecyl ...	318	C18H35ClO2	052132-58-8	46



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139938.D
Acq On : 22 Oct 2024 19:54
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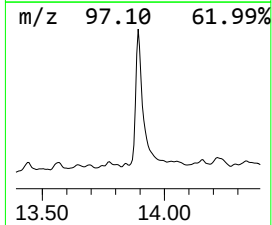
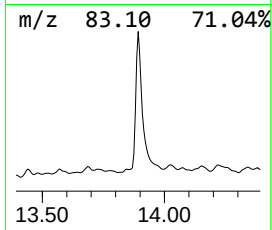
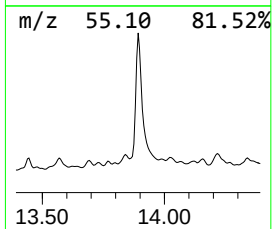
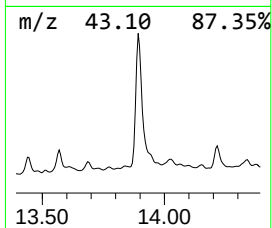
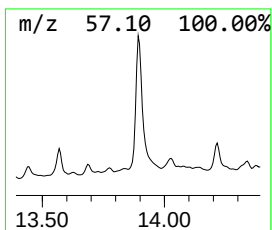
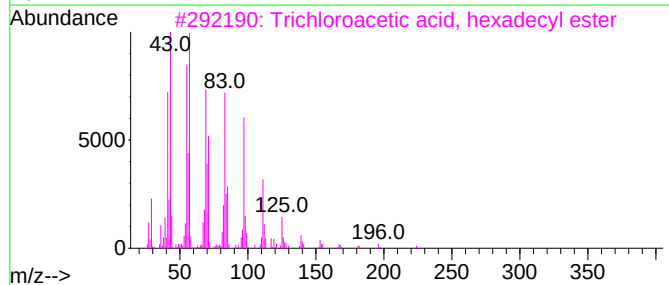
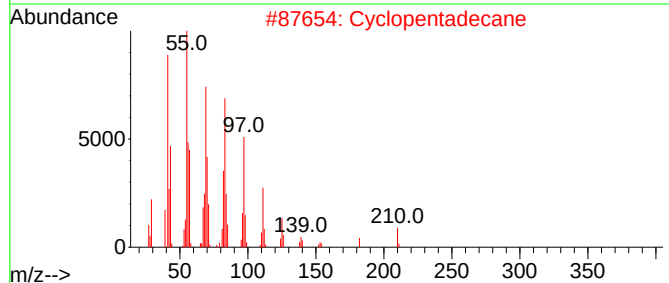
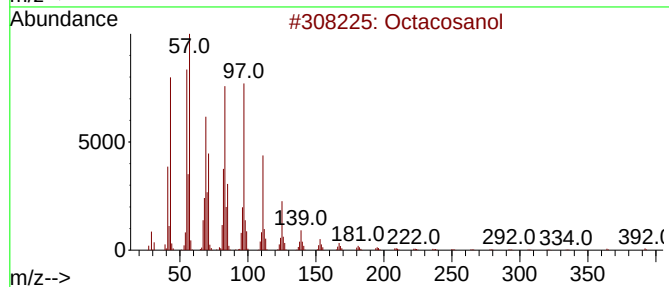
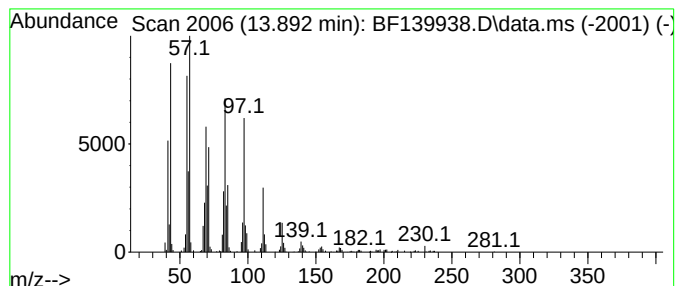
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Octacosanol Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.892	11.72 ng	520334	Chrysene-d12	14.051

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octacosanol	410	C28H58O	000557-61-9	94
2			Cyclopentadecane	210	C15H30	000295-48-7	93
3			Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	93
4			1-Hexacosene	364	C26H52	018835-33-1	91
5			Octadecyl trifluoroacetate	366	C20H37F3O2	079392-43-1	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139938.D
Acq On : 22 Oct 2024 19:54
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Sample : P4385-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-3

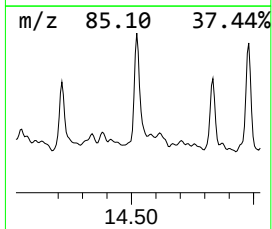
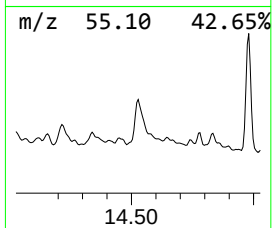
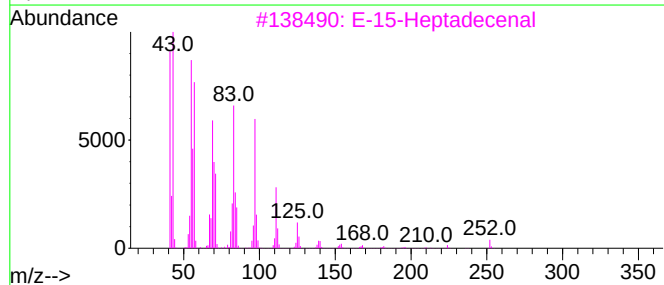
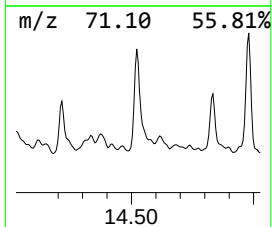
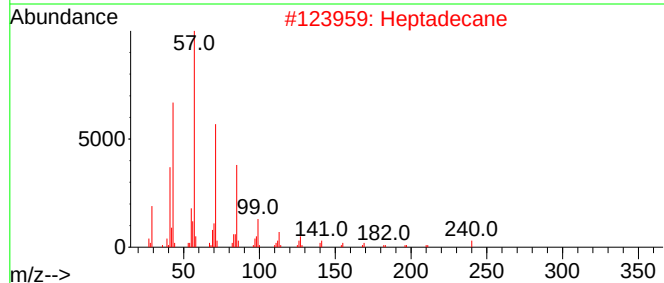
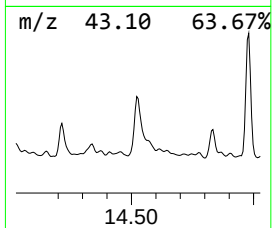
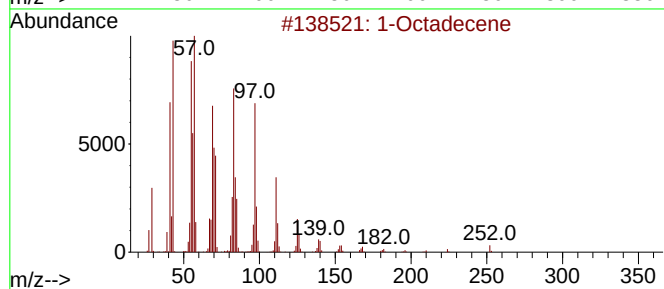
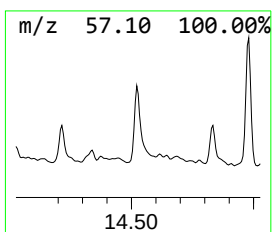
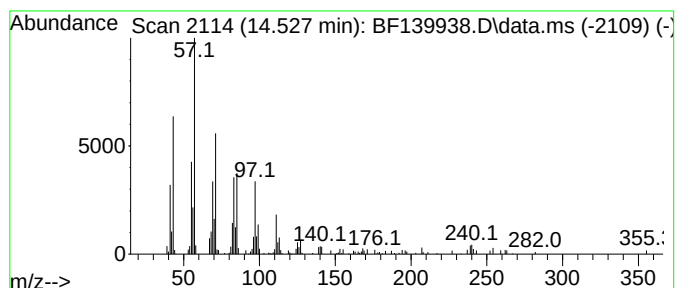
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Heptadecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.527	4.09 ng	181541	Chrysene-d12	14.051

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-Octadecene	252	C18H36	000112-88-9	95
2		Heptadecane	240	C17H36	000629-78-7	92
3		E-15-Heptadecenal	252	C17H32O	1000130-97-9	91
4		1-Dodecanol, 2-octyl-	298	C20H42O	005333-42-6	91
5		1-Decanol, 2-hexyl-	242	C16H34O	002425-77-6	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139938.D
Acq On : 22 Oct 2024 19:54
Operator : RC/JU
Sample : P4385-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-3

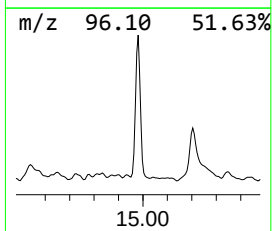
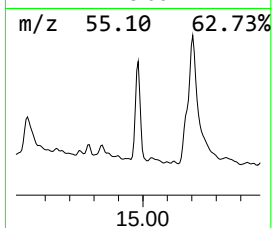
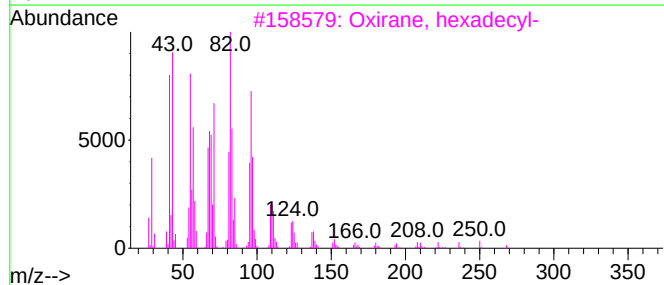
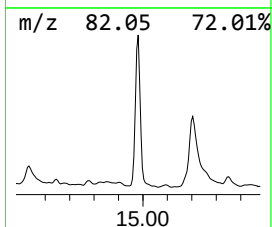
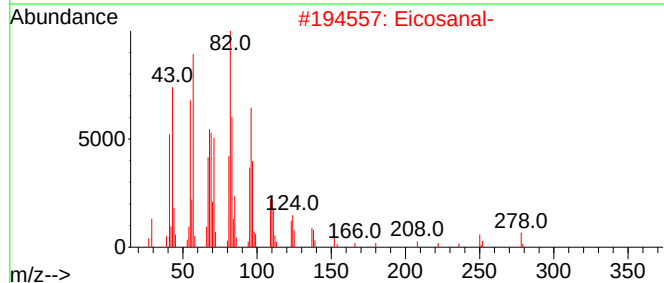
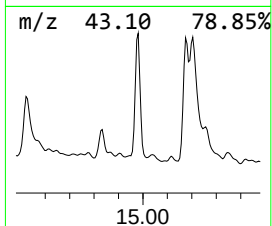
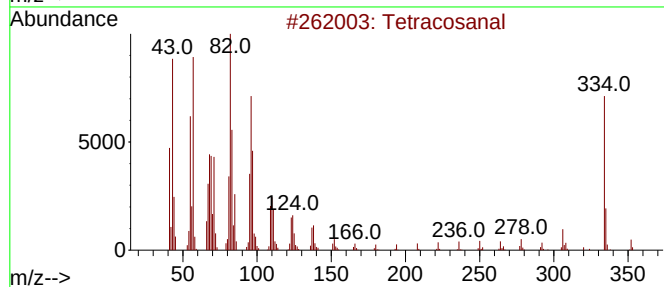
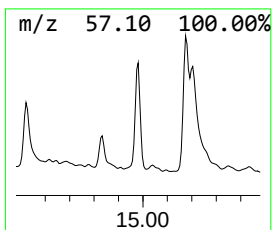
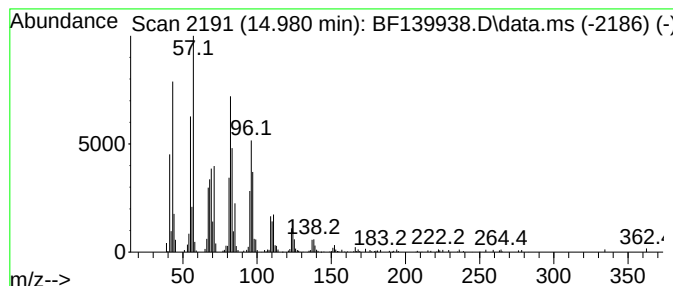
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Tetracosanal Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.980	5.72 ng	263228	Perylene-d12	15.527

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tetracosanal	352	C24H48O	057866-08-7	91
2			Eicosanal-	296	C20H40O	002400-66-0	91
3			Oxirane, hexadecyl-	268	C18H36O	007390-81-0	91
4			Octadecanal	268	C18H36O	000638-66-4	91
5			Oxirane, heptadecyl-	282	C19H38O	067860-04-2	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
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Sample : P4385-06
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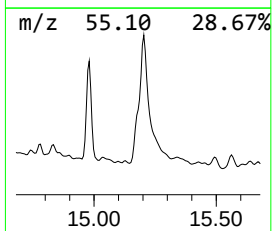
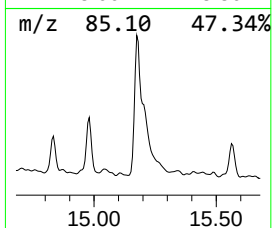
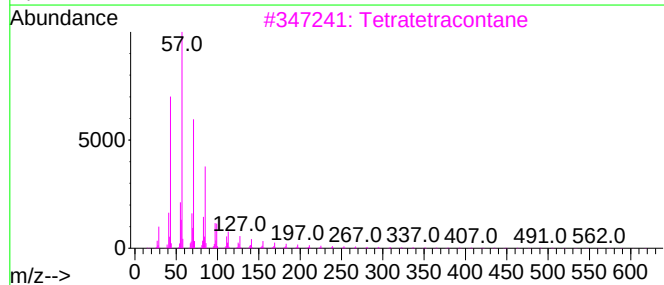
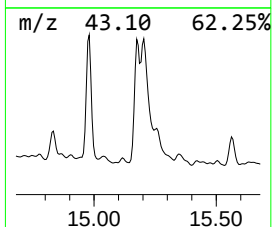
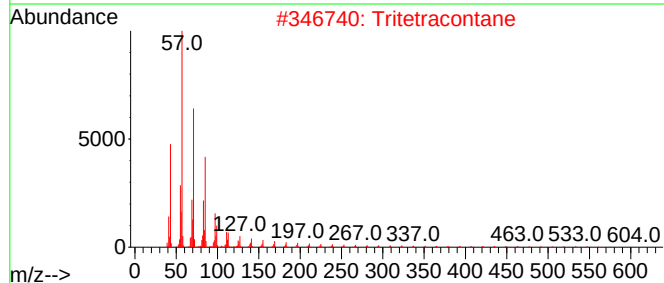
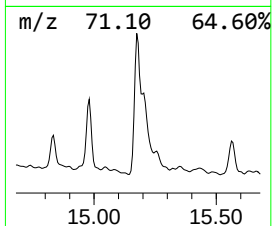
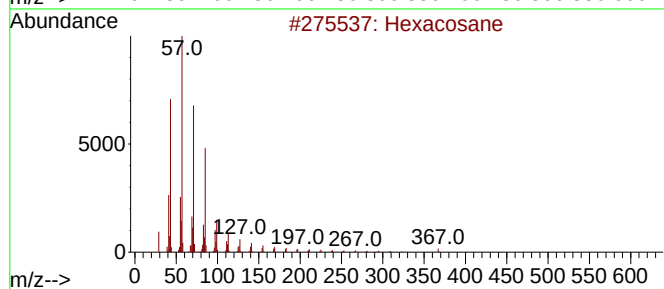
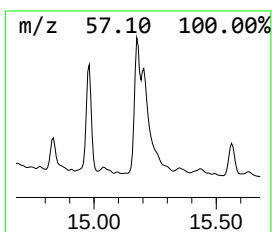
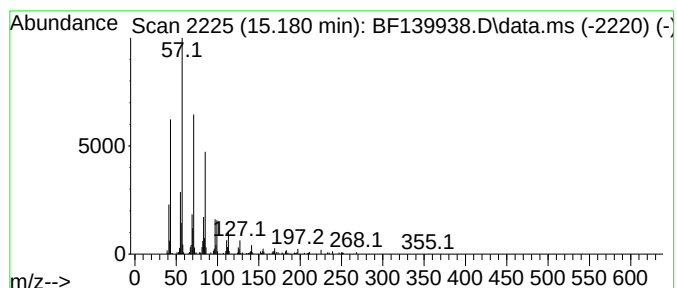
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Hexacosane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.180	3.90 ng	179130	Perylene-d12	15.527	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	91
2	Tritetracontane	605	C43H88	007098-21-7	91
3	Tetratetracontane	619	C44H90	007098-22-8	91
4	Hexatriacontane	507	C36H74	000630-06-8	91
5	Heneicosane, 11-(1-ethylpropyl)-	366	C26H54	055282-11-6	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139938.D
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Operator : RC/JU
Sample : P4385-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

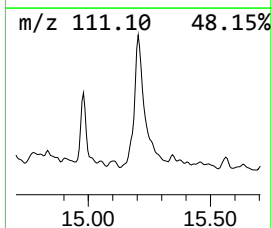
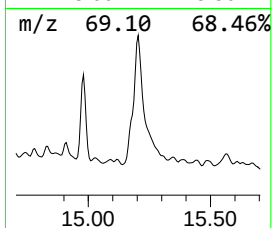
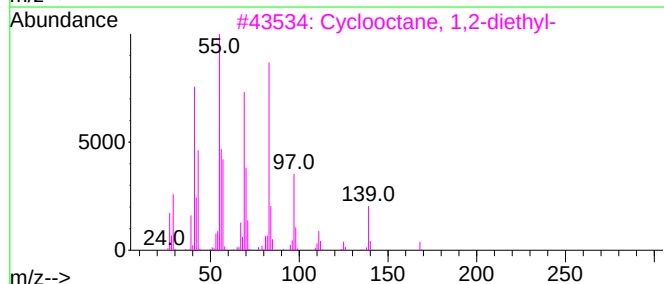
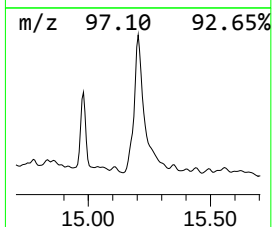
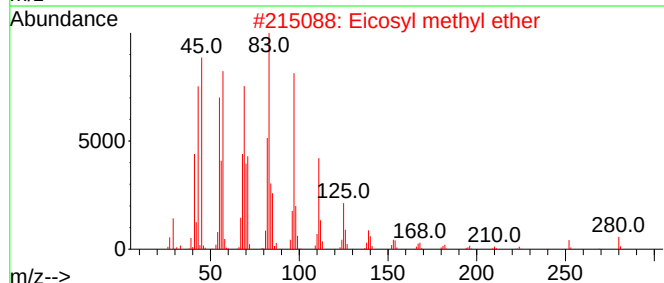
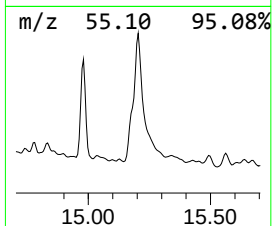
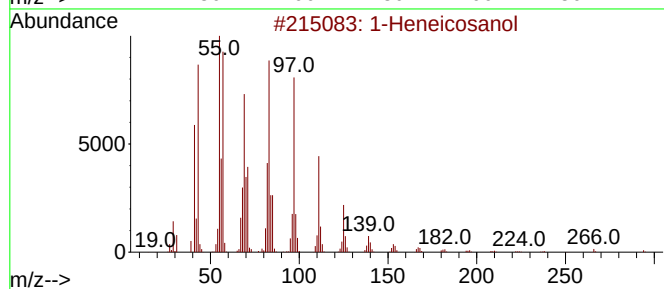
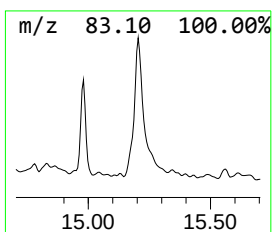
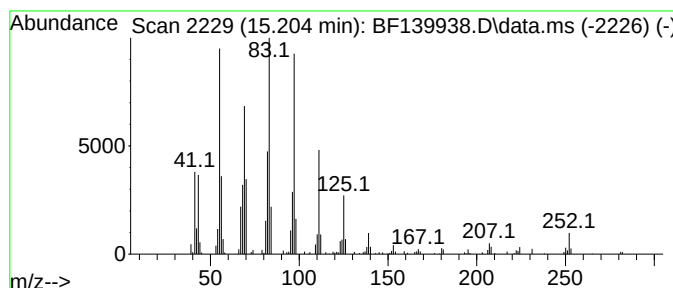
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 1-Heneicosanol Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.204	10.09 ng	463953	Perylene-d12	15.527	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heneicosanol	312	C21H44O	015594-90-8	62
2	Eicosyl methyl ether	312	C21H44O	1000406-29-4	52
3	Cyclooctane, 1,2-diethyl-	168	C12H24	023609-46-3	42
4	Triallylmethylsilane	166	C10H18Si	001112-91-0	38
5	1-Hexadecanol	242	C16H34O	036653-82-4	35



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139938.D
Acq On : 22 Oct 2024 19:54
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Sample : P4385-06
Misc :
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Instrument :
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ClientSampleId :
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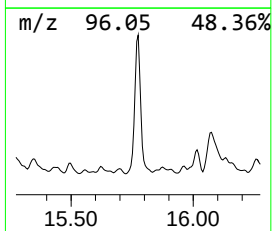
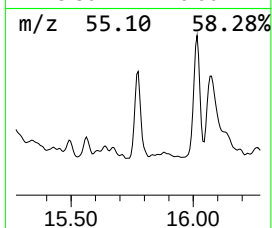
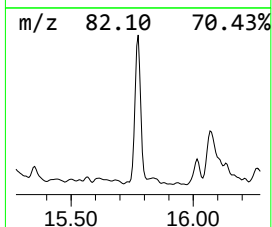
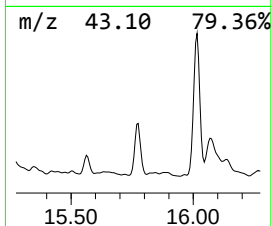
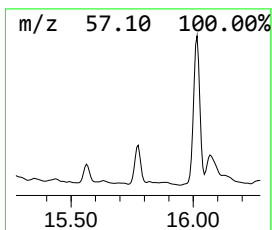
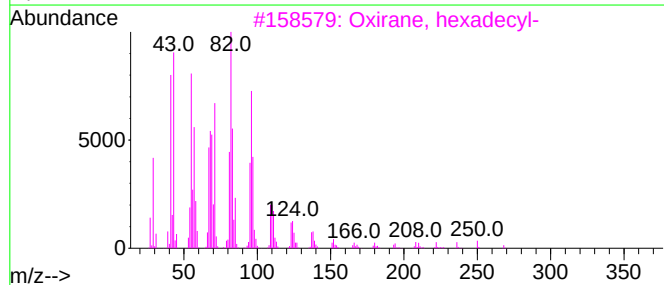
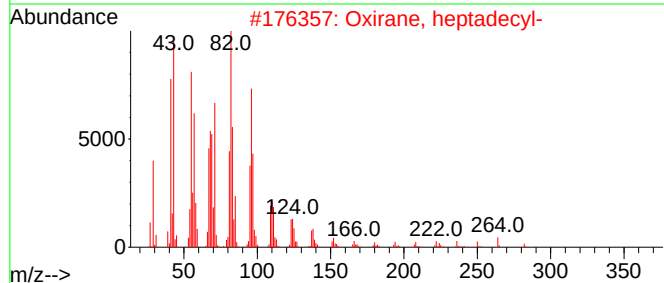
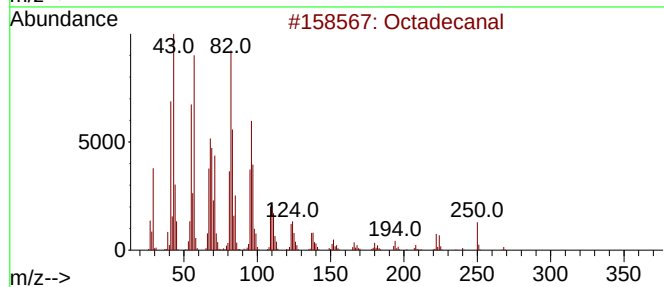
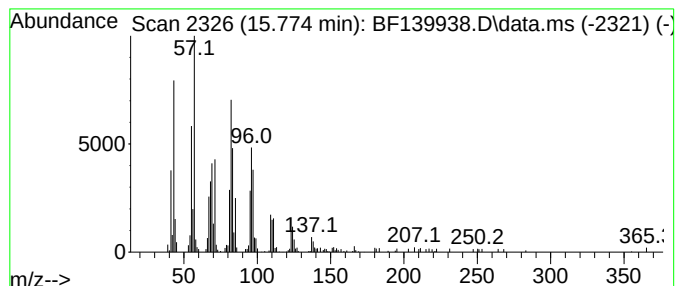
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Octadecanal Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.774	4.08 ng	187482	Perylene-d12	15.527

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octadecanal	268	C18H36O	000638-66-4	93
2		Oxirane, heptadecyl-	282	C19H38O	067860-04-2	91
3		Oxirane, hexadecyl-	268	C18H36O	007390-81-0	91
4		Hexacosanal	380	C26H52O	026627-85-0	87
5		Eicosanal-	296	C20H40O	002400-66-0	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139938.D
Acq On : 22 Oct 2024 19:54
Operator : RC/JU
Sample : P4385-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

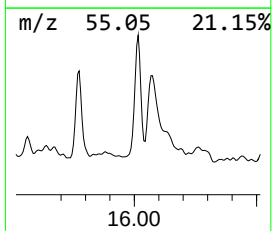
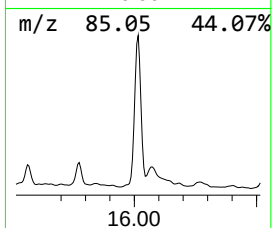
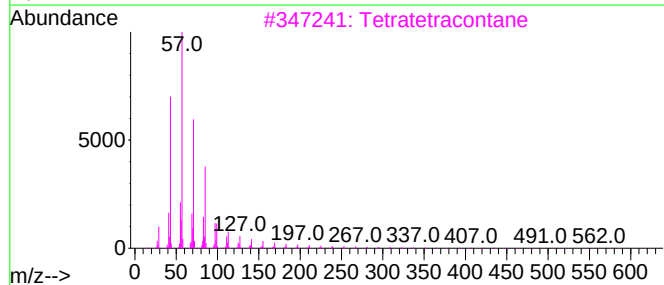
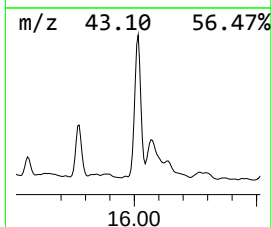
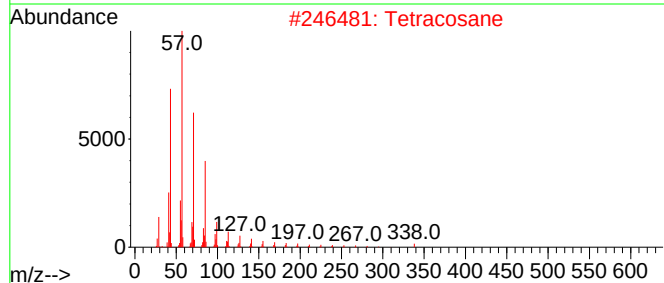
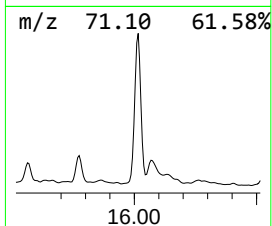
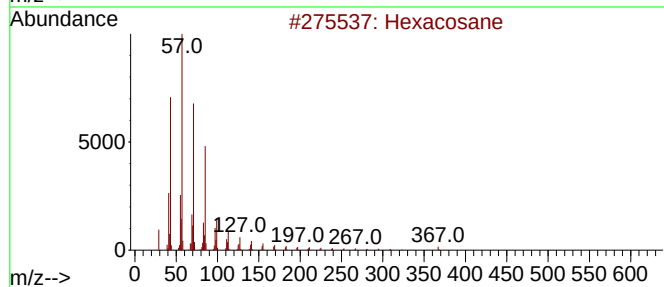
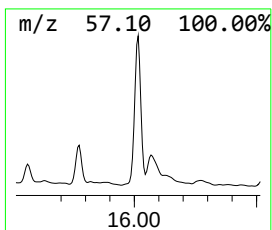
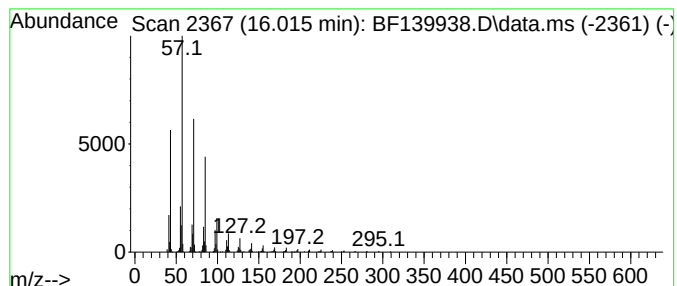
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Tetracosane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
16.015	8.34 ng	383514	Perylene-d12	15.527	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	94
2	Tetracosane	338	C24H50	000646-31-1	91
3	Tetratetracontane	619	C44H90	007098-22-8	91
4	Octacosane	394	C28H58	000630-02-4	91
5	Octacosane, 2-methyl-	408	C29H60	001560-98-1	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139938.D
Acq On : 22 Oct 2024 19:54
Operator : RC/JU
Sample : P4385-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-3

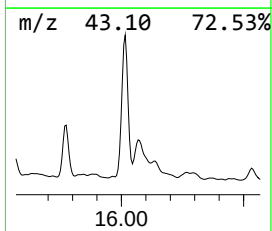
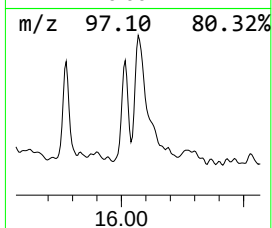
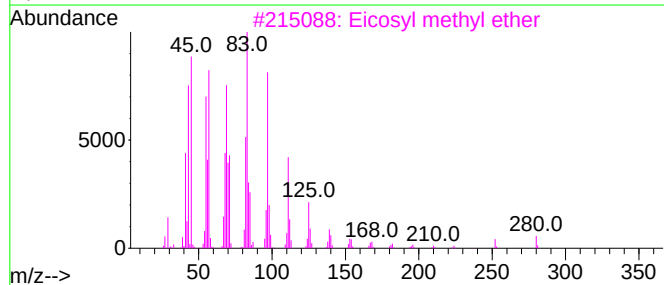
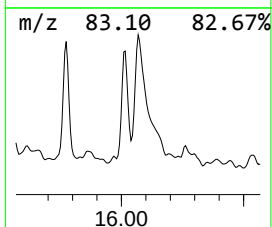
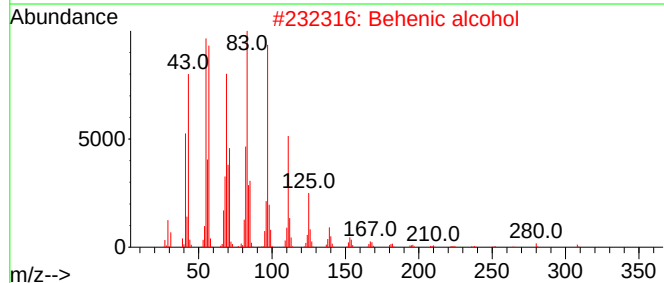
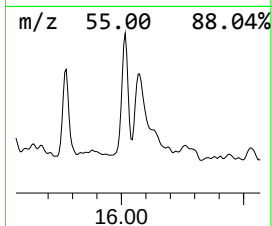
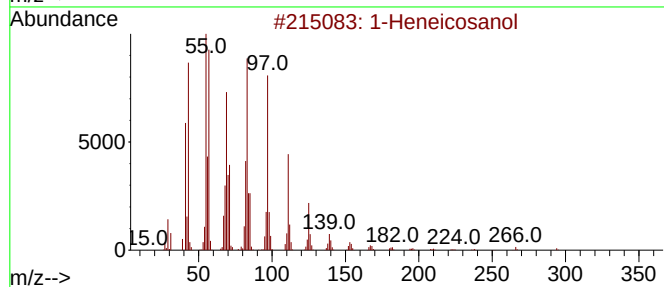
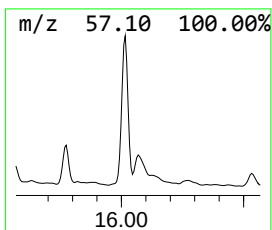
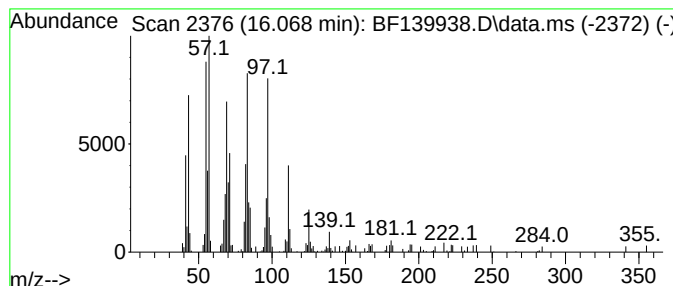
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Behenic alcohol Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.068	3.69 ng	169844	Perylene-d12	15.527

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-Heneicosanol	312	C21H44O	015594-90-8	94
2		Behenic alcohol	326	C22H46O	000661-19-8	94
3		Eicosyl methyl ether	312	C21H44O	1000406-29-4	91
4		n-Heptadecanol-1	256	C17H36O	001454-85-9	90
5		1-Octadecanol	270	C18H38O	000112-92-5	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139938.D
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Sample : P4385-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-3

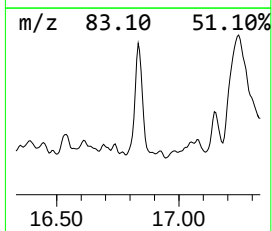
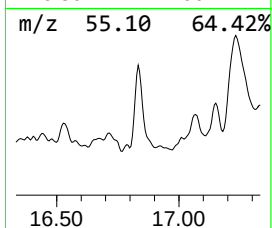
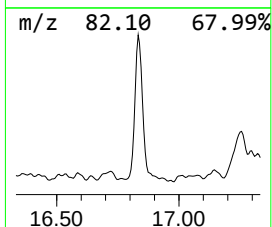
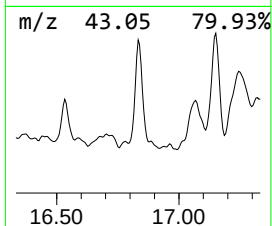
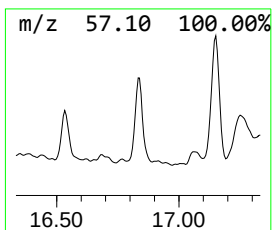
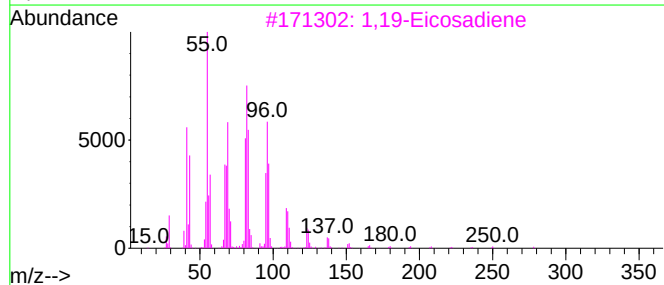
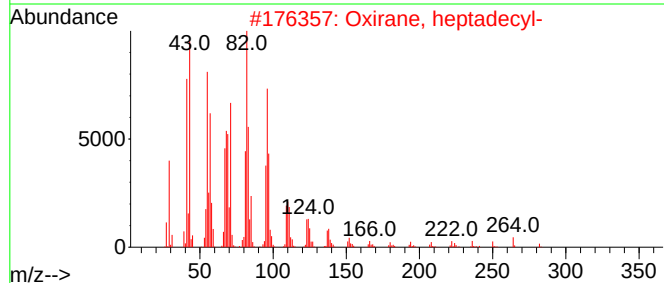
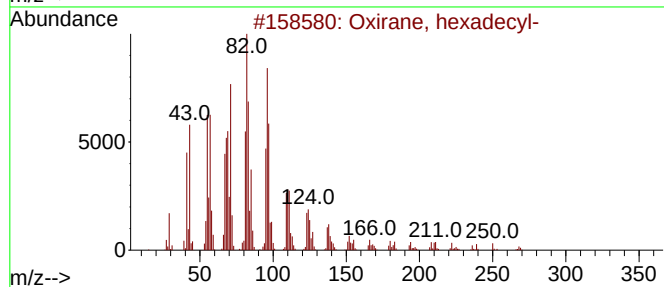
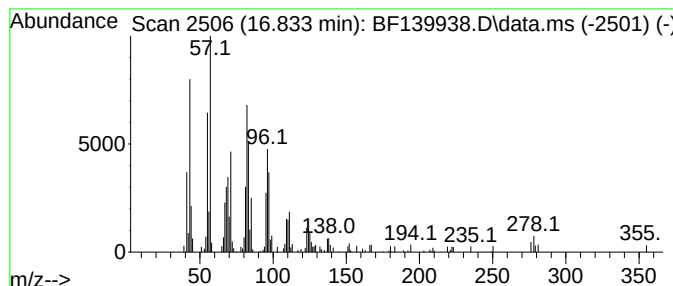
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Oxirane, hexadecyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.833	3.29 ng	151160	Perylene-d12	15.527

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Oxirane, hexadecyl-	268	C18H36O	007390-81-0	93
2			Oxirane, heptadecyl-	282	C19H38O	067860-04-2	74
3			1,19-Eicosadiene	278	C20H38	014811-95-1	62
4			Octadecanal	268	C18H36O	000638-66-4	58
5			Tetradecane, 1-bromo-	276	C14H29Br	000112-71-0	52



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139938.D
Acq On : 22 Oct 2024 19:54
Operator : RC/JU
Sample : P4385-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-3

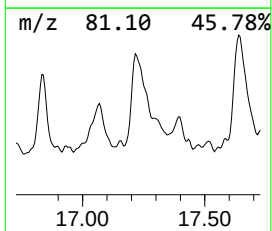
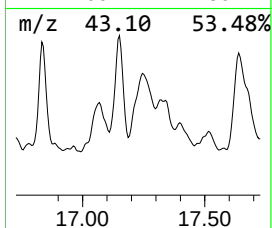
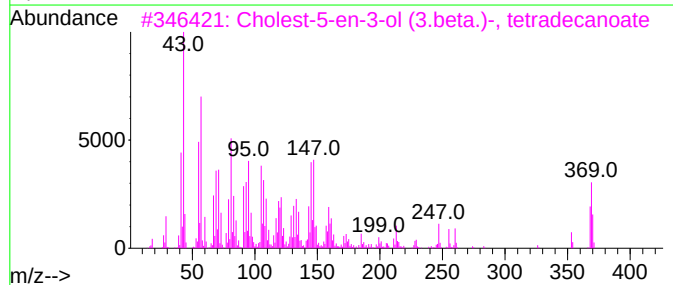
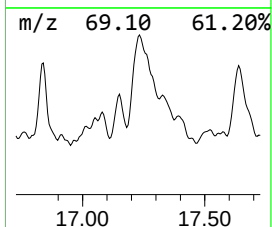
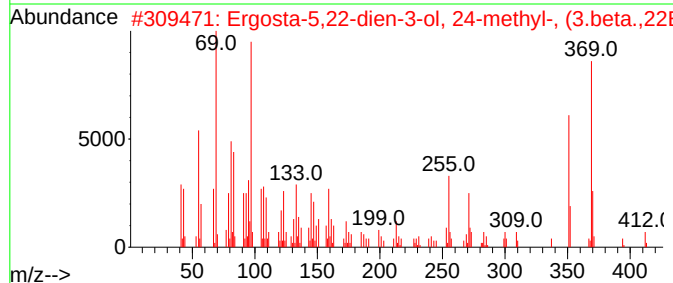
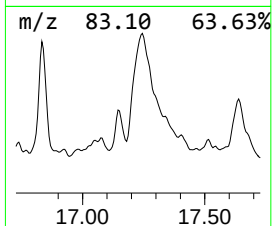
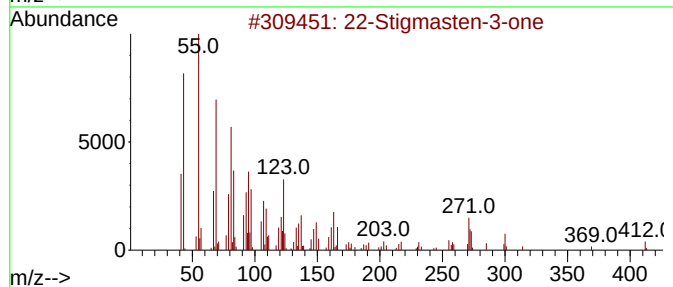
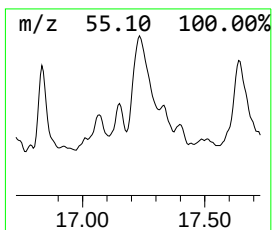
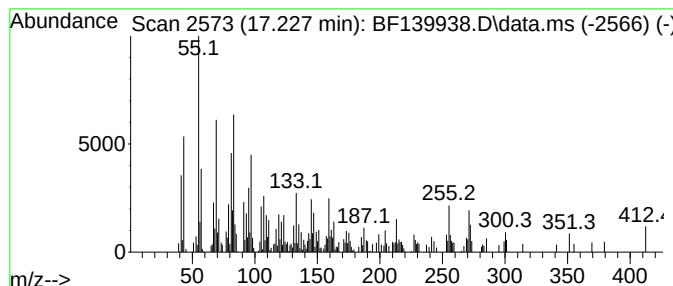
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 22-Stigmasten-3-one Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.227	7.09 ng	326286	Perylene-d12	15.527

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			22-Stigmasten-3-one	412	C29H48O	004736-95-2	47
2			Ergosta-5,22-dien-3-ol, 24-methy...	412	C29H48O	053755-22-9	13
3			Cholest-5-en-3-ol (3.beta.)-, te...	597	C41H72O2	001989-52-2	10
4			5'-Fluoro-2'-hydroxy-4-methoxych...	342	C20H19FO4	1000449-54-7	10
5			Sulfoxide, hexadecyl methyl	288	C17H36OS	003079-32-1	10



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139938.D
Acq On : 22 Oct 2024 19:54
Operator : RC/JU
Sample : P4385-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-3

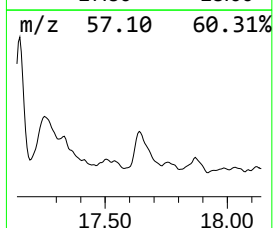
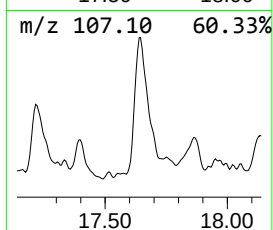
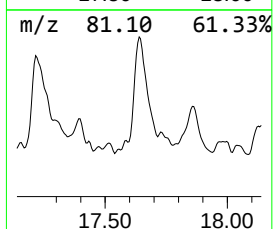
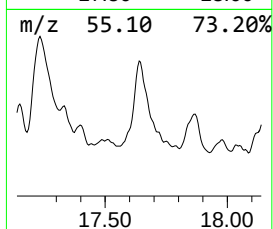
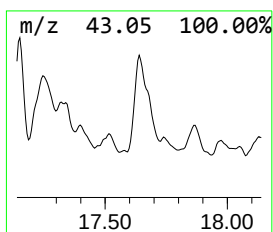
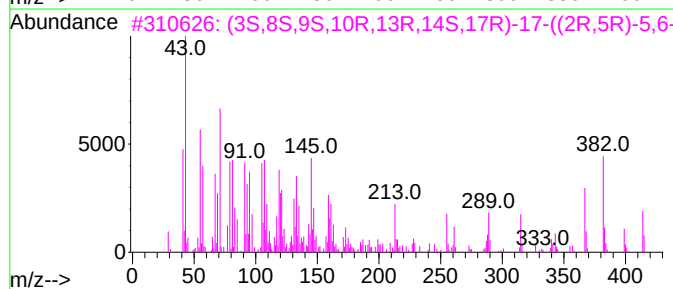
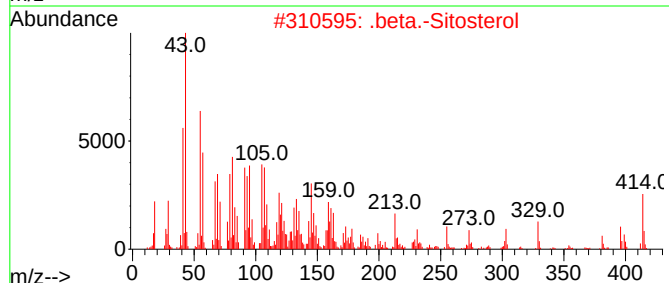
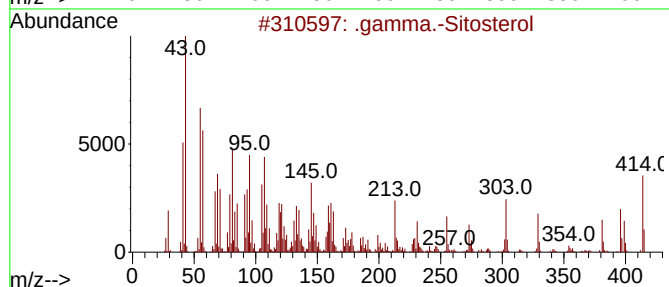
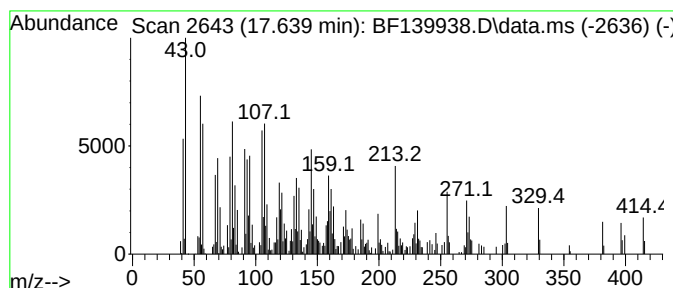
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 .gamma.-Sitosterol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.639	10.14 ng	466499	Perylene-d12	15.527

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		.gamma.-Sitosterol	414	C29H50O	000083-47-6	99
2		.beta.-Sitosterol	414	C29H50O	000083-46-5	98
3		(3S,8S,9S,10R,13R,14S,17R)-17-((...)	414	C29H50O	029365-29-5	74
4		.beta.-Sitosterol acetate	456	C31H52O2	000915-05-9	47
5		Cholest-5-ene, 3-ethoxy-, (3.bet...	414	C29H50O	000986-19-6	35



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139938.D
Acq On : 22 Oct 2024 19:54
Operator : RC/JU
Sample : P4385-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.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
Butane, 2-metho...	2.193	99.3	ng	4114460	1	6.887	828408	20.0
3-Penten-2-one,...	4.499	4.6	ng	188784	1	6.887	828408	20.0
2-Pentanone, 4-...	5.116	8.1	ng	333870	1	6.887	828408	20.0
Pentanedioic ac...	7.698	2.3	ng	127020	2	8.169	1096050	20.0
Benzophenone	10.633	14.5	ng	830013	3	9.922	1144820	20.0
Methanone, (1-h...	10.945	2.9	ng	141579	4	11.410	978400	20.0
1-Octadecene	12.457	2.8	ng	135796	4	11.410	978400	20.0
1,3-Propanediol...	13.204	2.6	ng	114489	5	14.051	888317	20.0
Octacosanol	13.892	11.7	ng	520334	5	14.051	888317	20.0
Heptadecane	14.527	4.1	ng	181541	5	14.051	888317	20.0
Tetracosanal	14.980	5.7	ng	263228	6	15.527	919765	20.0
Hexacosane	15.180	3.9	ng	179130	6	15.527	919765	20.0
1-Heneicosanol	15.204	10.1	ng	463953	6	15.527	919765	20.0
Octadecanal	15.774	4.1	ng	187482	6	15.527	919765	20.0
Tetracosane	16.015	8.3	ng	383514	6	15.527	919765	20.0
Behenic alcohol	16.068	3.7	ng	169844	6	15.527	919765	20.0
Oxirane, hexade...	16.833	3.3	ng	151160	6	15.527	919765	20.0
22-Stigmasten-3...	17.227	7.1	ng	326286	6	15.527	919765	20.0
.gamma.-Sitosterol	17.639	10.1	ng	466499	6	15.527	919765	20.0

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-4	SDG No.:	P4385
Lab Sample ID:	P4385-08	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	99.1
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139936.D	1	10/11/24 09:38	10/22/24 18:56	PB164071

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	83.5	U	83.5	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	84.3	U	84.3	170	ug/Kg
95-57-8	2-Chlorophenol	84.1	U	84.1	170	ug/Kg
95-48-7	2-Methylphenol	81.2	U	81.2	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	91.6	U	91.6	170	ug/Kg
98-86-2	Acetophenone	87.6	U	87.6	170	ug/Kg
65794-96-9	3+4-Methylphenols	80.4	U	80.4	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	40.6	U	40.6	80.6	ug/Kg
67-72-1	Hexachloroethane	83.6	U	83.6	170	ug/Kg
98-95-3	Nitrobenzene	91.5	U	91.5	170	ug/Kg
78-59-1	Isophorone	85.3	U	85.3	170	ug/Kg
88-75-5	2-Nitrophenol	95.2	U	95.2	170	ug/Kg
105-67-9	2,4-Dimethylphenol	93.9	U	93.9	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	86.5	U	86.5	170	ug/Kg
120-83-2	2,4-Dichlorophenol	76.1	U	76.1	170	ug/Kg
91-20-3	Naphthalene	83.2	U	83.2	170	ug/Kg
106-47-8	4-Chloroaniline	83.2	UQ	83.2	170	ug/Kg
87-68-3	Hexachlorobutadiene	83.9	U	83.9	170	ug/Kg
105-60-2	Caprolactam	87.5	U	87.5	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	78.1	U	78.1	170	ug/Kg
91-57-6	2-Methylnaphthalene	83.1	U	83.1	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	UQ	160	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	72.0	U	72.0	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	74.6	U	74.6	170	ug/Kg
92-52-4	1,1-Biphenyl	88.1	U	88.1	170	ug/Kg
91-58-7	2-Chloronaphthalene	83.9	U	83.9	170	ug/Kg
88-74-4	2-Nitroaniline	95.7	U	95.7	170	ug/Kg
131-11-3	Dimethylphthalate	82.3	U	82.3	170	ug/Kg

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-4	SDG No.:	P4385
Lab Sample ID:	P4385-08	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	99.1
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139936.D	1	10/11/24 09:38	10/22/24 18:56	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	87.2	U	87.2	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	83.8	U	83.8	170	ug/Kg
99-09-2	3-Nitroaniline	89.9	UQ	89.9	170	ug/Kg
83-32-9	Acenaphthene	81.7	U	81.7	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	85.1	U	85.1	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	86.9	U	86.9	170	ug/Kg
84-66-2	Diethylphthalate	80.7	U	80.7	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	86.3	U	86.3	170	ug/Kg
86-73-7	Fluorene	86.2	U	86.2	170	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	UQ	120	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	82.2	U	82.2	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	79.5	U	79.5	170	ug/Kg
118-74-1	Hexachlorobenzene	85.7	U	85.7	170	ug/Kg
1912-24-9	Atrazine	92.1	U	92.1	170	ug/Kg
87-86-5	Pentachlorophenol	77.9	U	77.9	330	ug/Kg
85-01-8	Phenanthrene	84.7	U	84.7	170	ug/Kg
120-12-7	Anthracene	85.1	U	85.1	170	ug/Kg
86-74-8	Carbazole	80.9	U	80.9	170	ug/Kg
84-74-2	Di-n-butylphthalate	85.0	U	85.0	170	ug/Kg
206-44-0	Fluoranthene	82.3	U	82.3	170	ug/Kg
129-00-0	Pyrene	83.6	U	83.6	170	ug/Kg
85-68-7	Butylbenzylphthalate	97.5	U	97.5	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	99.4	U	99.4	330	ug/Kg
56-55-3	Benzo(a)anthracene	81.3	U	81.3	170	ug/Kg
218-01-9	Chrysene	80.1	U	80.1	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	91.7	U	91.7	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	81.7	U	81.7	170	ug/Kg

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-4	SDG No.:	P4385
Lab Sample ID:	P4385-08	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	99.1
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139936.D	1	10/11/24 09:38	10/22/24 18:56	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	83.2	U	83.2	170	ug/Kg
50-32-8	Benzo(a)pyrene	93.7	U	93.7	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78.7	U	78.7	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.8	U	81.8	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80.7	U	80.7	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	87.5	U	87.5	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	75.3	U	75.3	170	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	82.5		30 (18) - 130 (112)	55%	SPK: 150
13127-88-3	Phenol-d6	82.0		30 (15) - 130 (107)	55%	SPK: 150
4165-60-0	Nitrobenzene-d5	62.6		30 (18) - 130 (107)	63%	SPK: 100
321-60-8	2-Fluorobiphenyl	65.4		30 (20) - 130 (109)	65%	SPK: 100
118-79-6	2,4,6-Tribromophenol	40.2	*	30 (10) - 130 (116)	27%	SPK: 150
1718-51-0	Terphenyl-d14	51.7		30 (10) - 130 (105)	52%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	137000	6.886
1146-65-2	Naphthalene-d8	530000	8.169
15067-26-2	Acenaphthene-d10	284000	9.922
1517-22-2	Phenanthrene-d10	435000	11.41
1719-03-5	Chrysene-d12	297000	14.051
1520-96-3	Perylene-d12	339000	15.527

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	2200	JB	2.19	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	160	AB	5.11	ug/Kg
015594-90-8	1-Heneicosanol	170	J	13.9	ug/Kg

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-4	SDG No.:	P4385
Lab Sample ID:	P4385-08	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	99.1
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139936.D	1	10/11/24 09:38	10/22/24 18:56	PB164071

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\BF102224\
Data File : BF139936.D
Acq On : 22 Oct 2024 18:56
Operator : RC/JU
Sample : P4385-08
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-4

Quant Time: Oct 23 01:12:21 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	137459	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	530285	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	284175	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	435012	20.000	ng	0.00
76) Chrysene-d12	14.051	240	296989	20.000	ng	0.00
86) Perylene-d12	15.527	264	339367	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	724742	82.539	ng	0.00
7) Phenol-d6	6.504	99	932053	81.958	ng	0.00
23) Nitrobenzene-d5	7.445	82	599246	62.631	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	106794	40.177	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1124045	65.372	ng	0.00
79) Terphenyl-d14	12.998	244	941500	51.657	ng	0.00

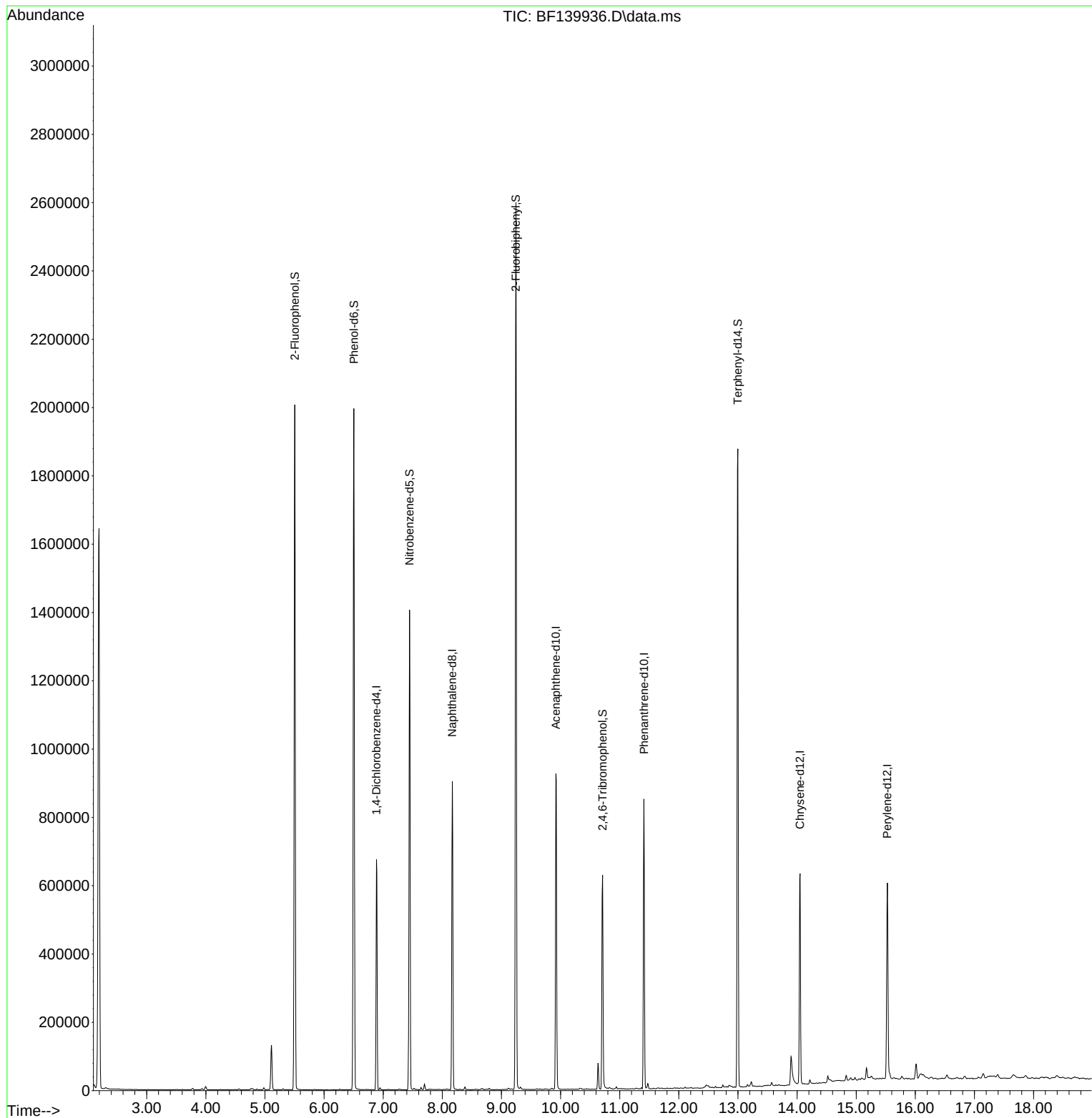
Target Compounds	Qvalue

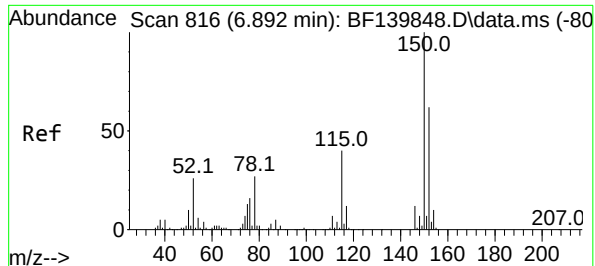
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139936.D
Acq On : 22 Oct 2024 18:56
Operator : RC/JU
Sample : P4385-08
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-4

Quant Time: Oct 23 01:12:21 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

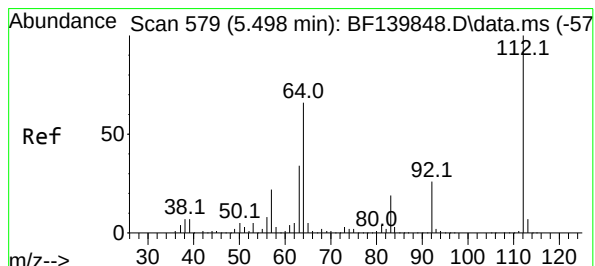
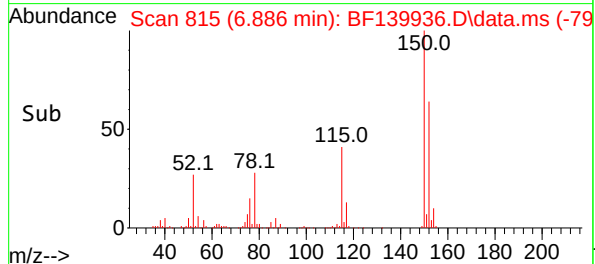
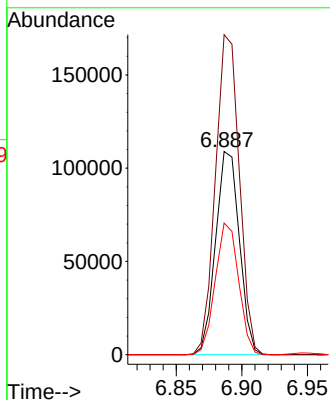
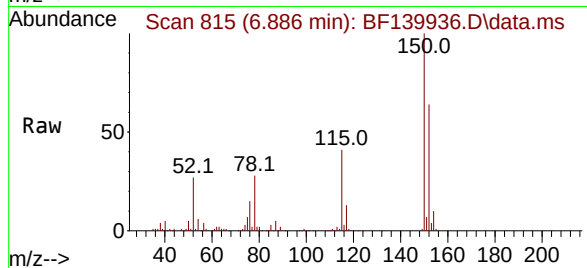




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF139936.D
Acq: 22 Oct 2024 18:56

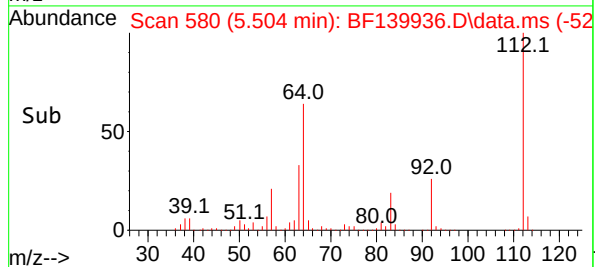
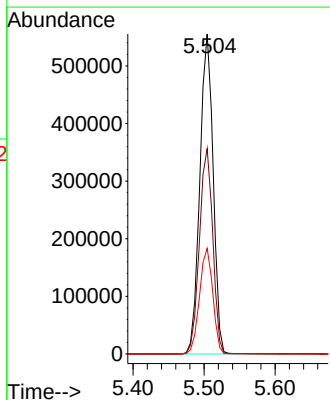
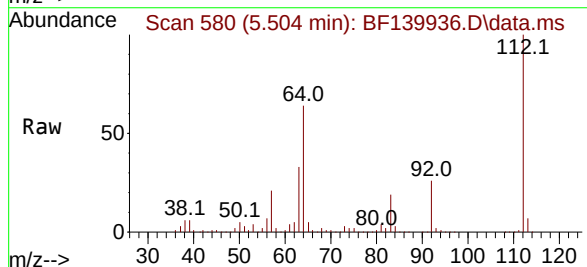
Instrument :
BNA_F
ClientSampleId :
SP-4

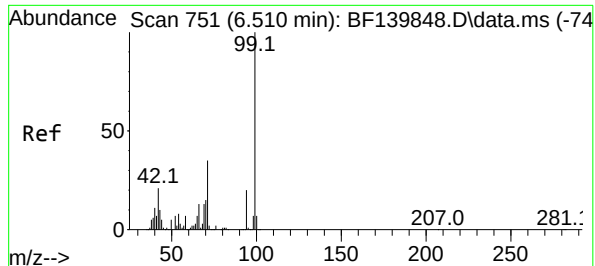
Tgt Ion:152 Resp: 137459
Ion Ratio Lower Upper
152 100
150 157.4 130.2 195.2
115 64.8 51.4 77.2



#5
2-Fluorophenol
Concen: 82.539 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF139936.D
Acq: 22 Oct 2024 18:56

Tgt Ion:112 Resp: 724742
Ion Ratio Lower Upper
112 100
64 64.2 53.0 79.6
63 33.0 27.0 40.4

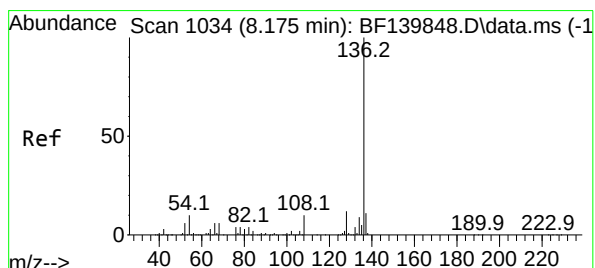
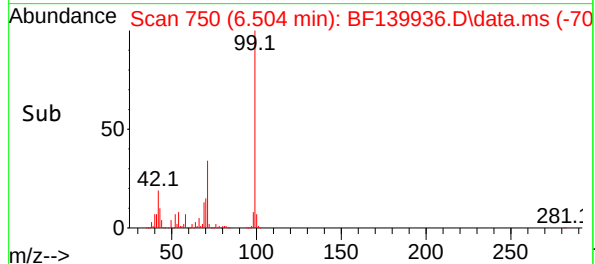
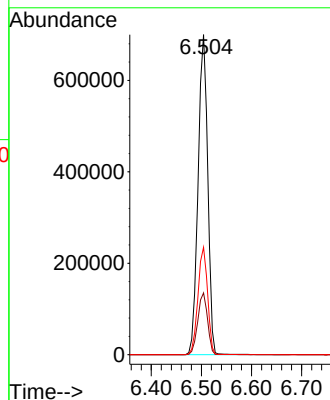
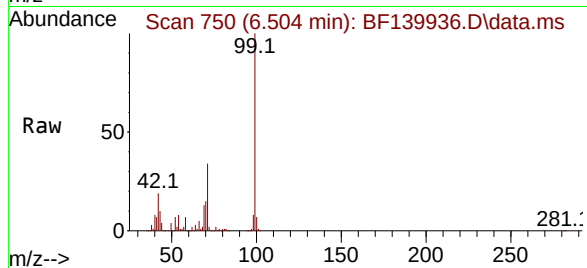




#7
Phenol-d6
Concen: 81.958 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF139936.D
Acq: 22 Oct 2024 18:56

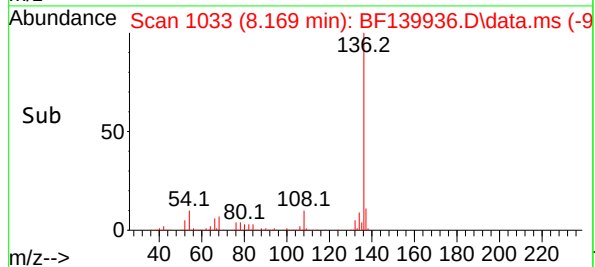
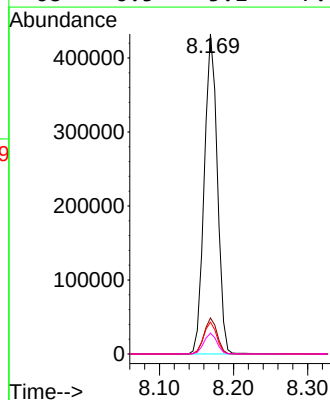
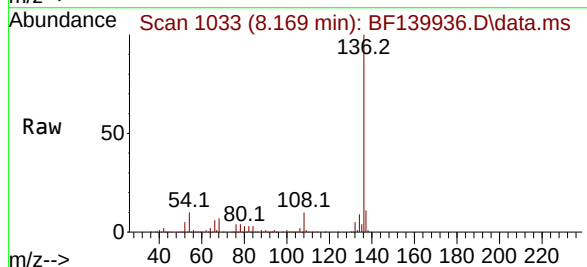
Instrument :
BNA_F
ClientSampleId :
SP-4

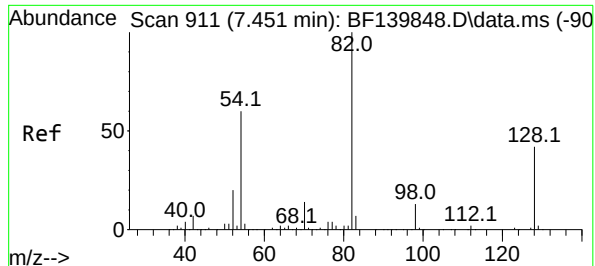
Tgt Ion: 99 Resp: 932053
Ion Ratio Lower Upper
99 100
42 19.3 16.7 25.1
71 33.6 27.7 41.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF139936.D
Acq: 22 Oct 2024 18:56

Tgt Ion: 136 Resp: 530285
Ion Ratio Lower Upper
136 100
137 11.3 8.6 12.8
54 9.9 8.4 12.6
68 6.5 5.1 7.7





#23

Nitrobenzene-d5

Concen: 62.631 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF139936.D

Acq: 22 Oct 2024 18:56

Instrument :

BNA_F

ClientSampleId :

SP-4

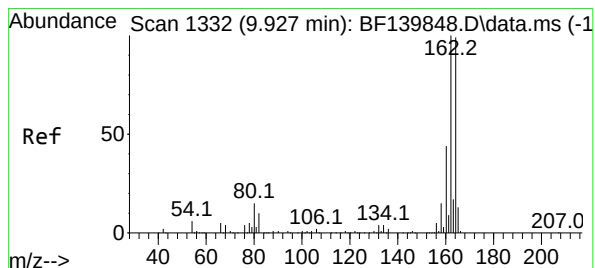
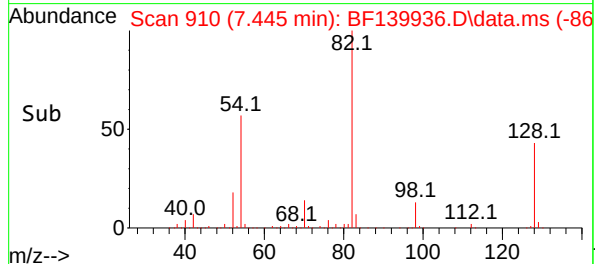
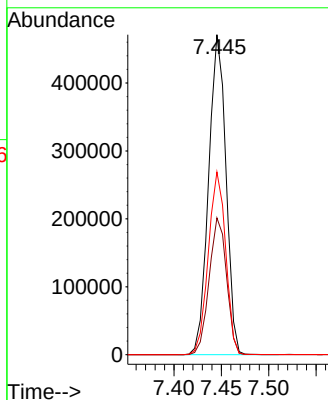
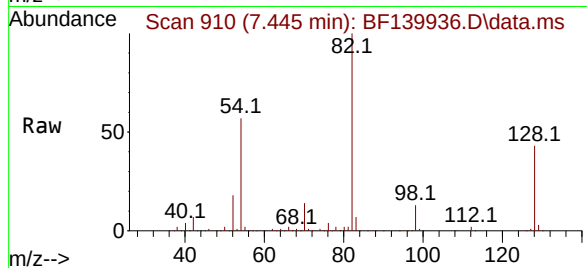
Tgt Ion: 82 Resp: 599246

Ion Ratio Lower Upper

82 100

128 42.7 33.4 50.0

54 57.1 47.8 71.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1331

Delta R.T. -0.005 min

Lab File: BF139936.D

Acq: 22 Oct 2024 18:56

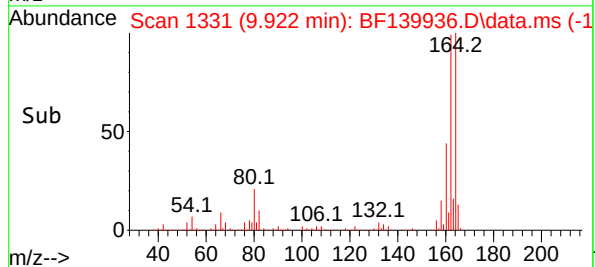
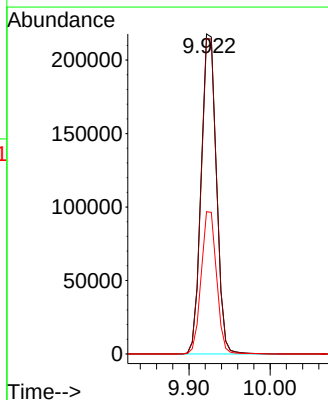
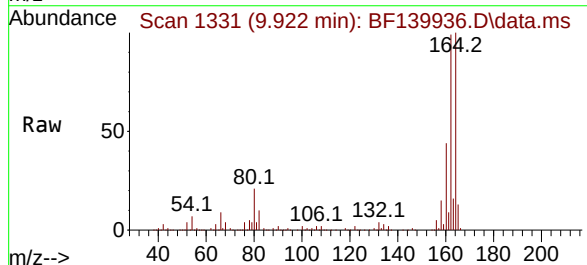
Tgt Ion:164 Resp: 284175

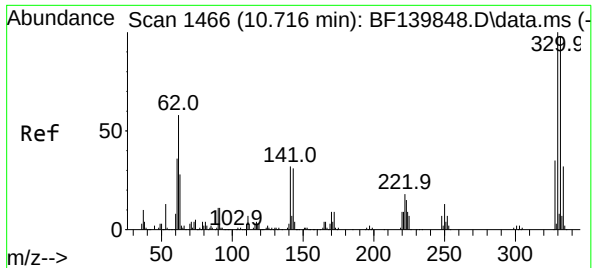
Ion Ratio Lower Upper

164 100

162 98.5 81.0 121.4

160 44.4 35.4 53.0

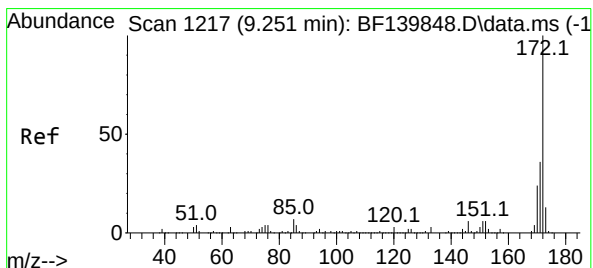
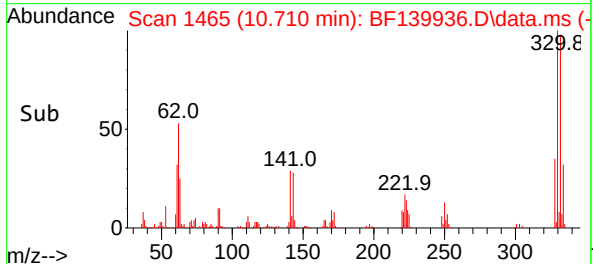
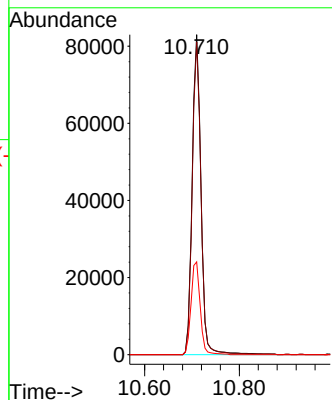
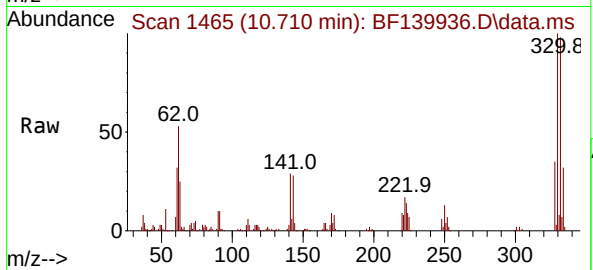




#42
2,4,6-Tribromophenol
Concen: 40.177 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF139936.D
Acq: 22 Oct 2024 18:56

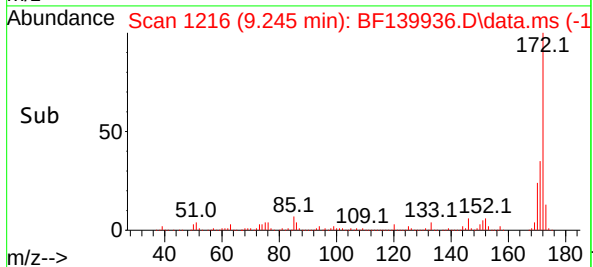
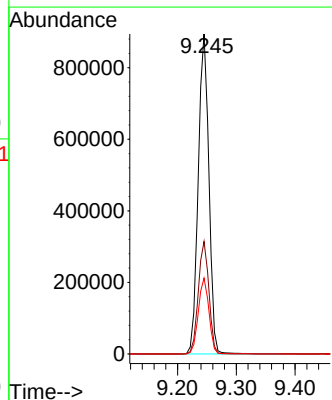
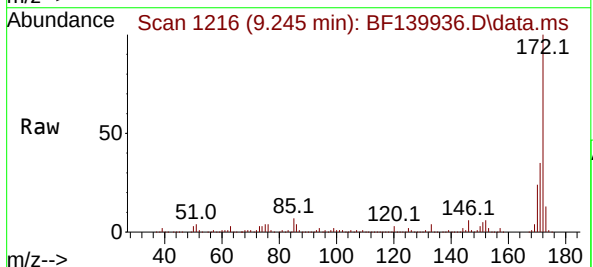
Instrument :
BNA_F
ClientSampleId :
SP-4

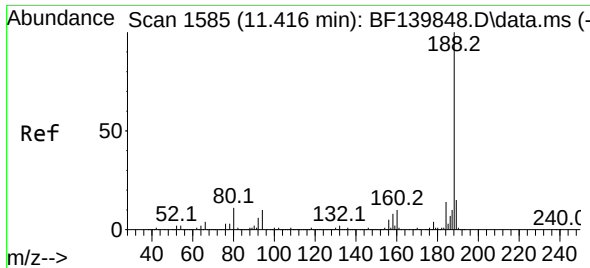
Tgt Ion:330 Resp: 106794
Ion Ratio Lower Upper
330 100
332 97.0 78.1 117.1
141 30.1 26.6 39.8



#45
2-Fluorobiphenyl
Concen: 65.372 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF139936.D
Acq: 22 Oct 2024 18:56

Tgt Ion:172 Resp: 1124045
Ion Ratio Lower Upper
172 100
171 35.2 28.6 43.0
170 23.7 19.1 28.7

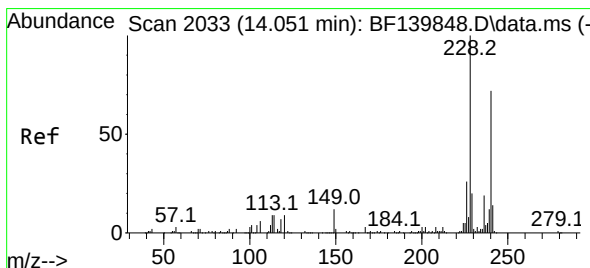
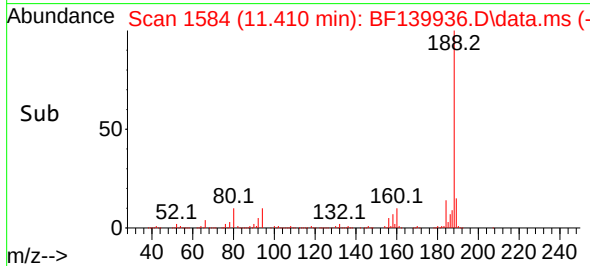
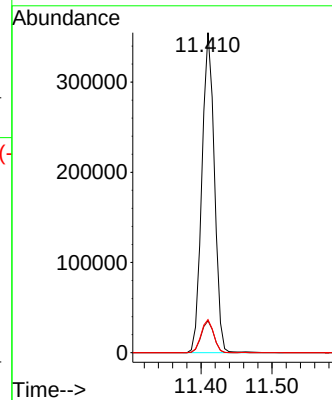
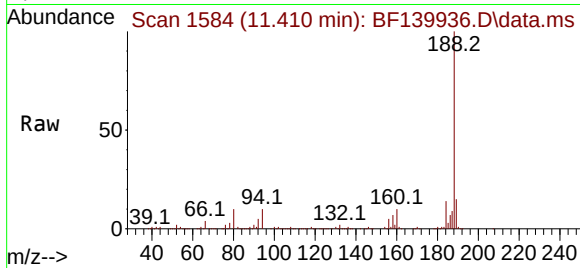




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF139936.D
Acq: 22 Oct 2024 18:56

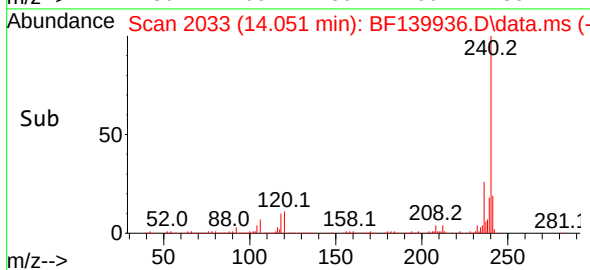
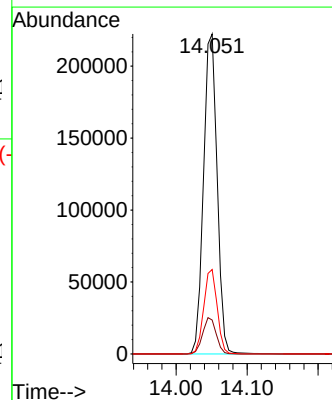
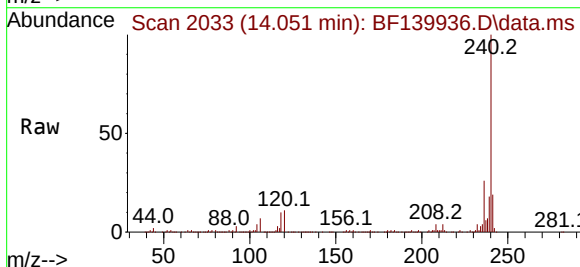
Instrument :
BNA_F
ClientSampleId :
SP-4

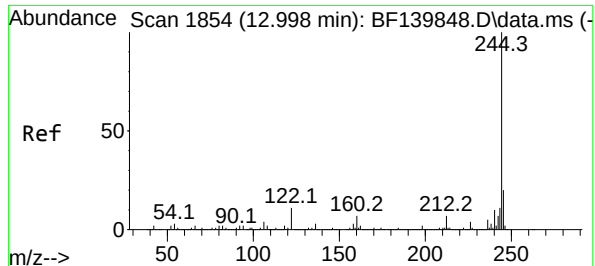
Tgt Ion:188 Resp: 435012
Ion Ratio Lower Upper
188 100
94 10.0 7.9 11.9
80 10.4 9.0 13.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF139936.D
Acq: 22 Oct 2024 18:56

Tgt Ion:240 Resp: 296989
Ion Ratio Lower Upper
240 100
120 10.6 9.4 14.2
236 26.4 20.9 31.3





#79

Terphenyl-d14

Concen: 51.657 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.000 min

Lab File: BF139936.D

Acq: 22 Oct 2024 18:56

Instrument :

BNA_F

ClientSampleId :

SP-4

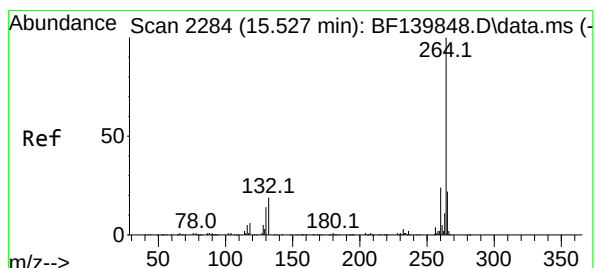
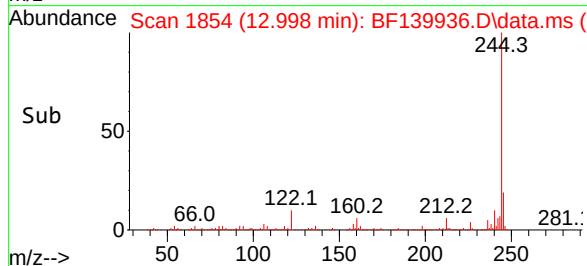
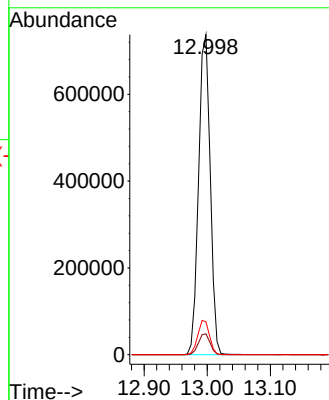
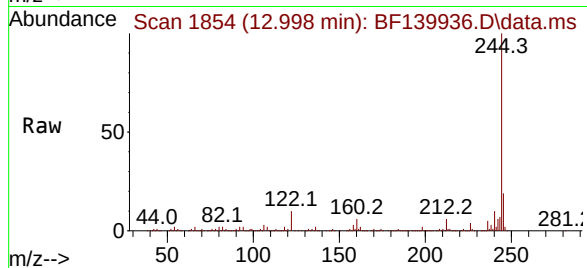
Tgt Ion:244 Resp: 941500

Ion Ratio Lower Upper

244 100

212 6.5 5.7 8.5

122 10.3 8.6 13.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 2284

Delta R.T. 0.000 min

Lab File: BF139936.D

Acq: 22 Oct 2024 18:56

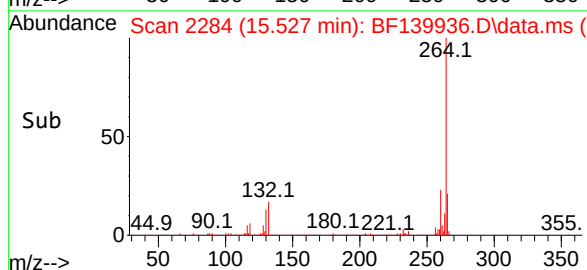
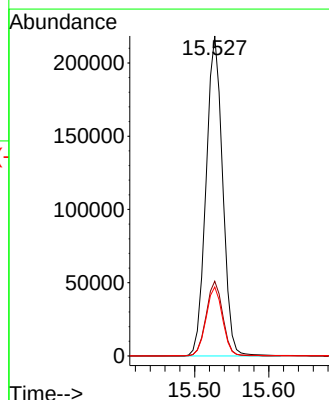
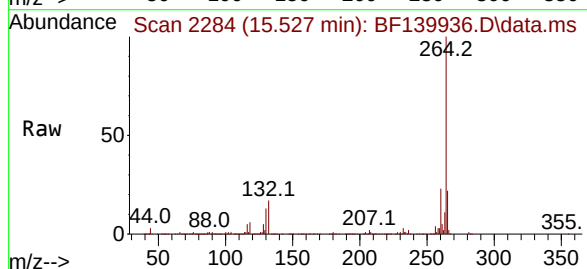
Tgt Ion:264 Resp: 339367

Ion Ratio Lower Upper

264 100

260 23.4 19.4 29.2

265 21.5 17.4 26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
 Data File : BF139936.D
 Acq On : 22 Oct 2024 18:56
 Operator : RC/JU
 Sample : P4385-08
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-4

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-BF101824.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF139936.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.193	8	17	26	rVB	1639515	2711606	83.42%	11.877%
2	5.110	506	513	522	rVB	131053	198082	6.09%	0.868%
3	5.504	574	580	585	rBV	2006149	2617244	80.52%	11.463%
4	6.504	743	750	755	rBV	1993867	2661072	81.87%	11.655%
5	6.887	810	815	821	rBV	675167	843338	25.95%	3.694%
6	7.445	904	910	915	rBV	1404923	1791096	55.10%	7.845%
7	8.169	1028	1033	1038	rBV	902848	1103495	33.95%	4.833%
8	9.245	1210	1216	1221	rBV	2596053	3250384	100.00%	14.237%
9	9.922	1326	1331	1345	rVB	923982	1201896	36.98%	5.264%
10	10.633	1447	1452	1460	rBV	76140	93915	2.89%	0.411%
11	10.710	1460	1465	1477	rBV	626284	818806	25.19%	3.586%
12	11.410	1579	1584	1589	rBV	848254	1037382	31.92%	4.544%
13	12.998	1848	1854	1859	rBV	1869294	2418181	74.40%	10.592%
14	13.898	2002	2007	2025	rBV	83062	211437	6.50%	0.926%
15	14.051	2027	2033	2040	rVB	615980	831855	25.59%	3.643%
16	15.174	2220	2224	2229	rBV	32737	48170	1.48%	0.211%
17	15.527	2278	2284	2298	rVB	573217	913318	28.10%	4.000%
18	16.015	2361	2367	2372	rBV	43796	79950	2.46%	0.350%

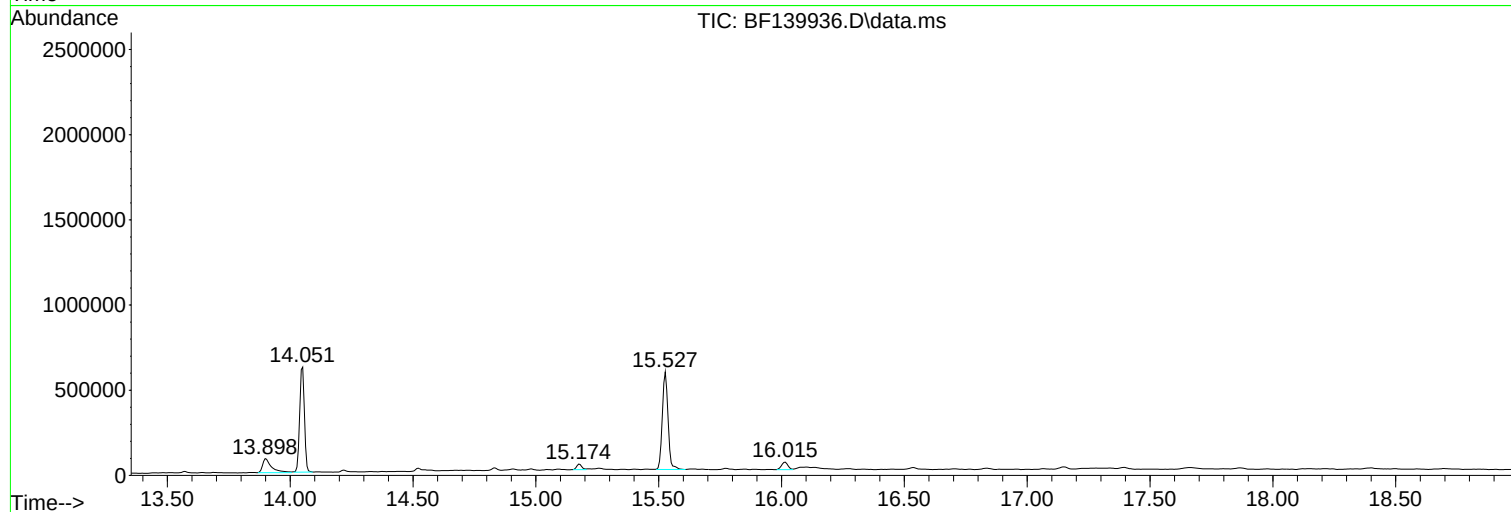
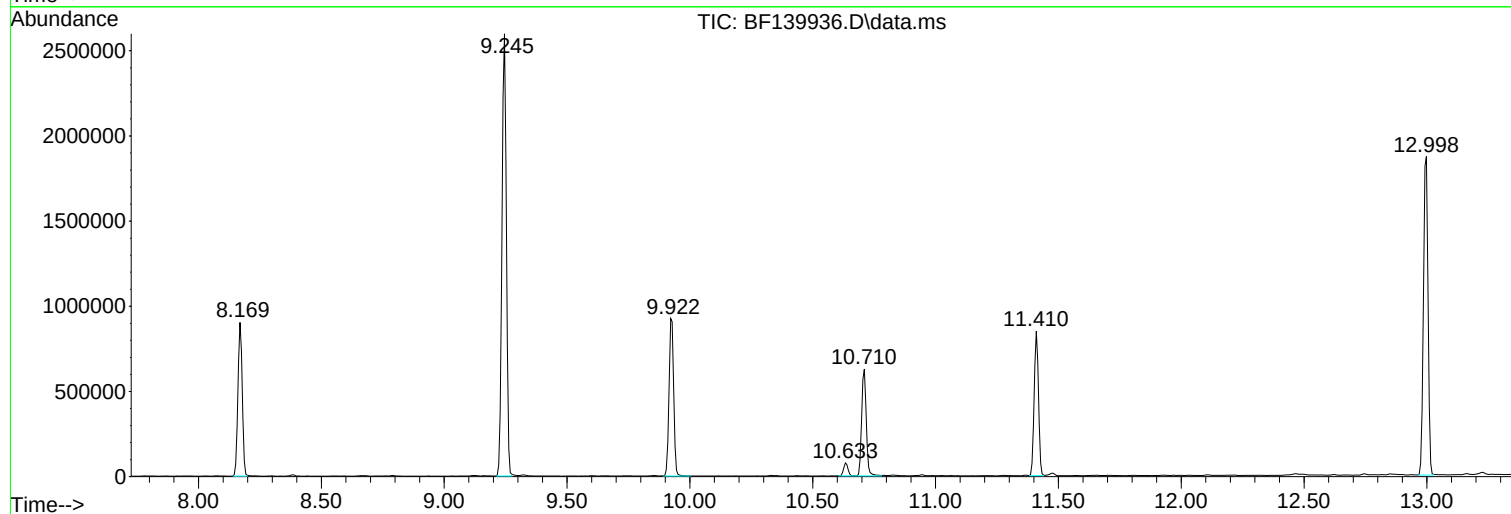
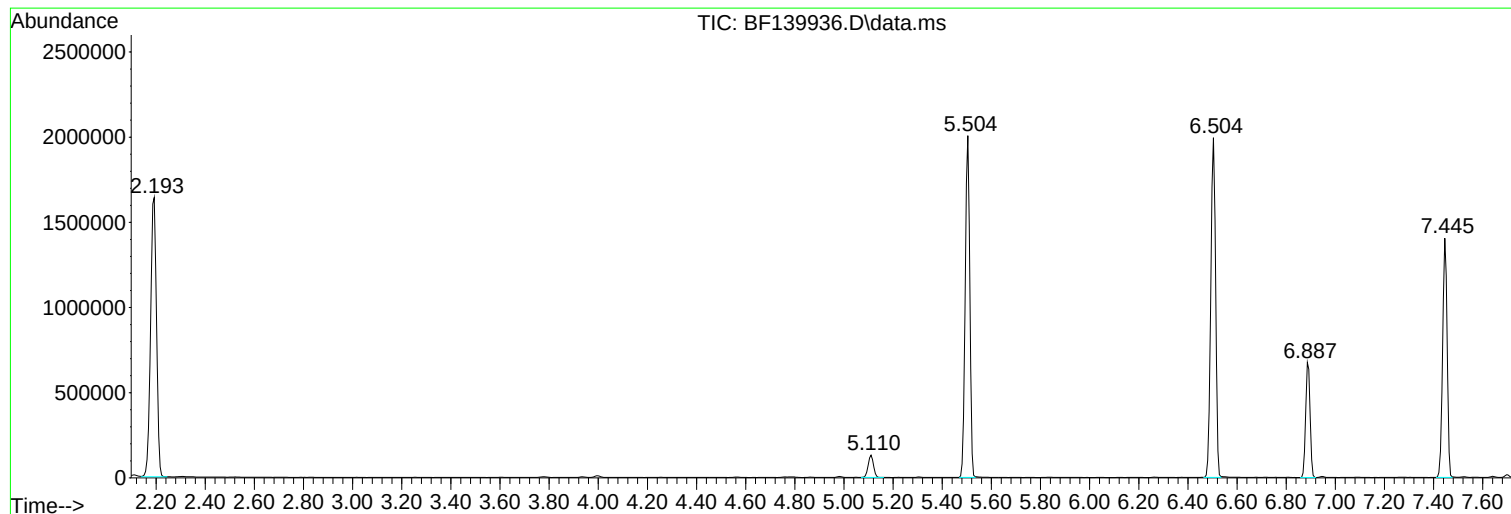
Sum of corrected areas: 22831227

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139936.D
Acq On : 22 Oct 2024 18:56
Operator : RC/JU
Sample : P4385-08
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.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\BF102224\
Data File : BF139936.D
Acq On : 22 Oct 2024 18:56
Operator : RC/JU
Sample : P4385-08
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-4

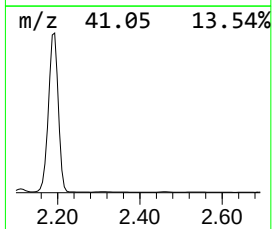
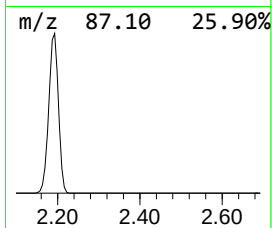
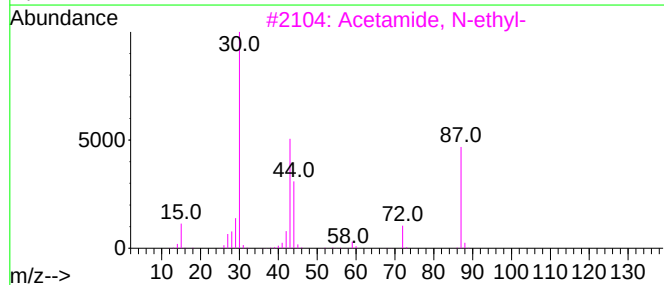
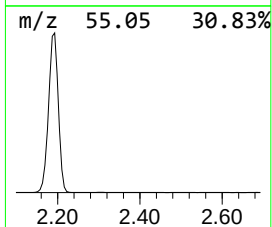
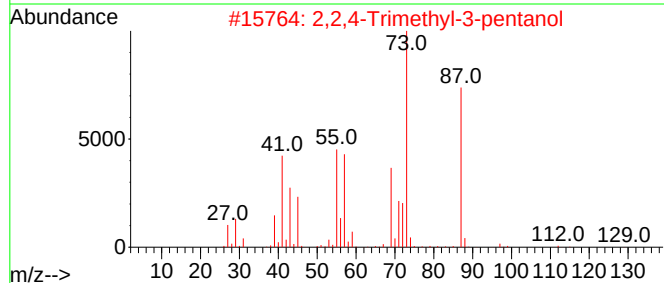
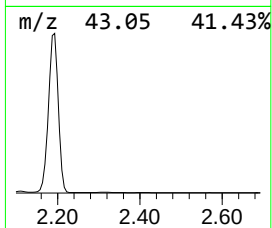
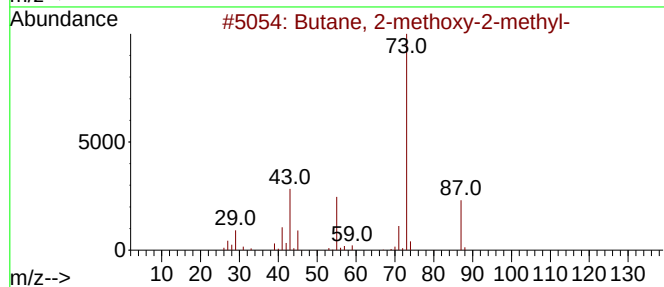
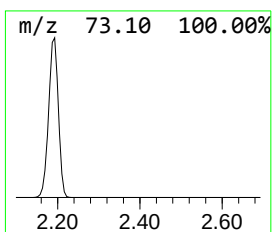
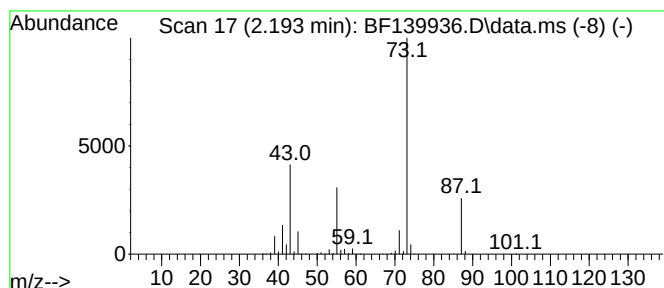
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.193	64.31 ng	2711610	1,4-Dichlorobenzene-d4	6.886

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3			Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	27
4			1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
5			Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	17



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139936.D
Acq On : 22 Oct 2024 18:56
Operator : RC/JU
Sample : P4385-08
Misc :
ALS Vial : 11 Sample Multiplier: 1

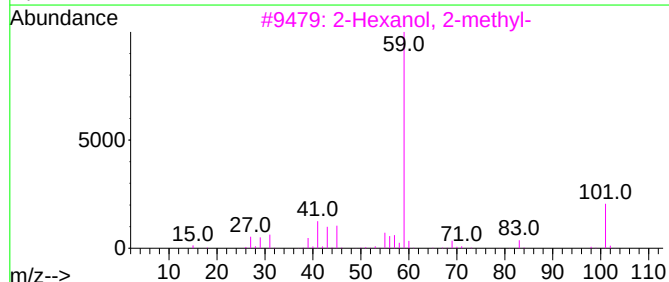
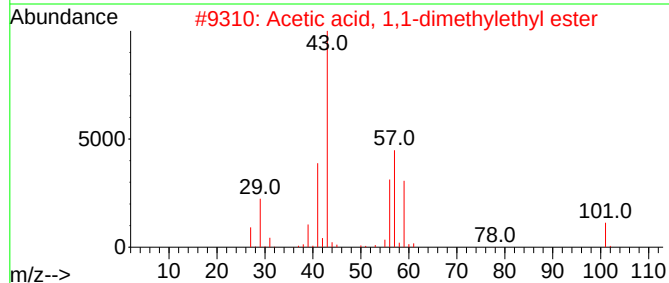
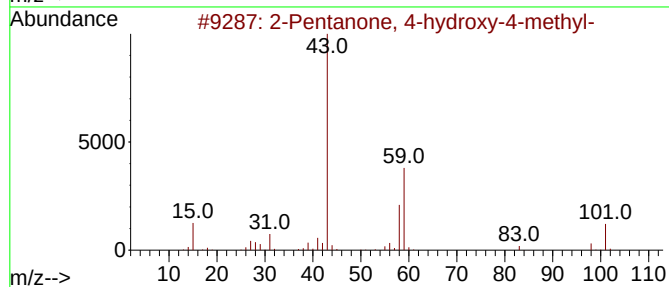
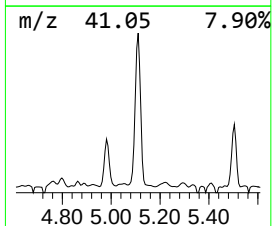
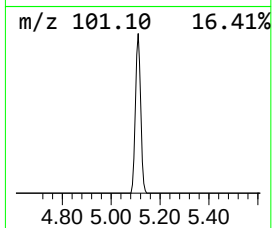
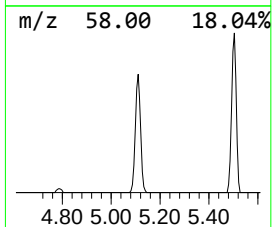
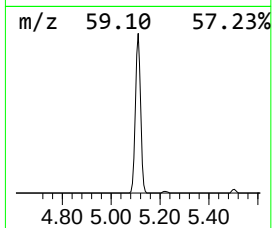
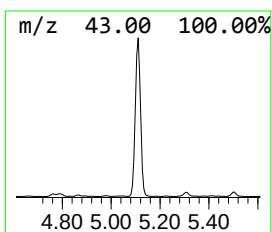
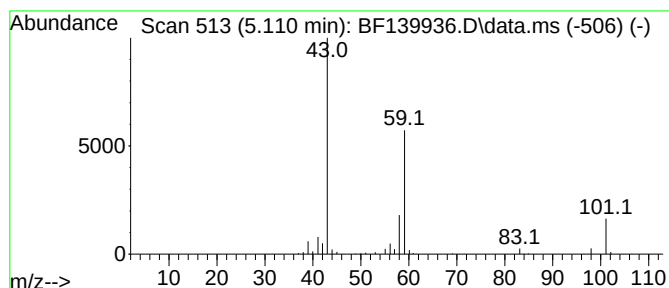
Instrument :
BNA_F
ClientSampleId :
SP-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
5.110	4.70 ng	198082	1,4-Dichlorobenzene-d4	6.886	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	38
3	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	27
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139936.D
Acq On : 22 Oct 2024 18:56
Operator : RC/JU
Sample : P4385-08
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-4

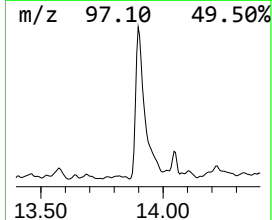
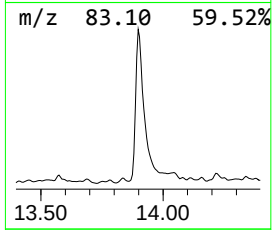
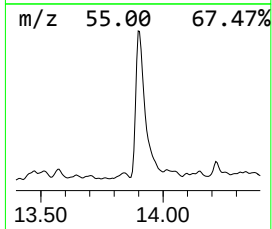
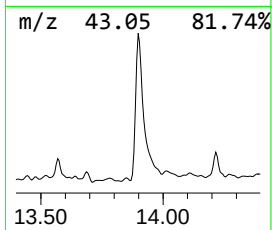
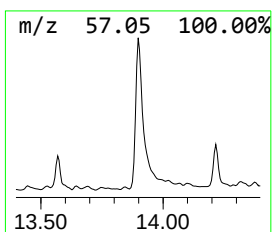
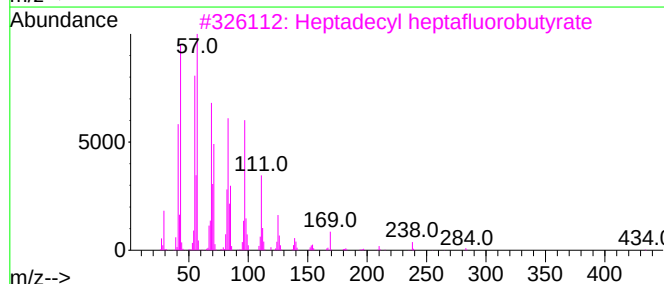
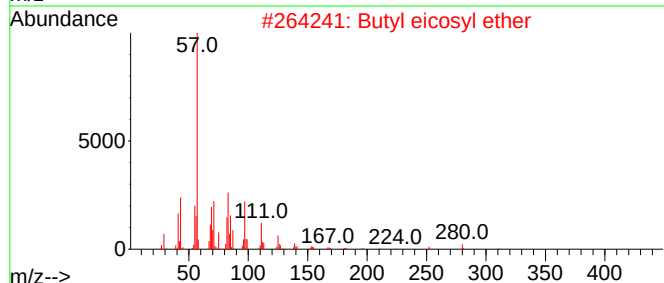
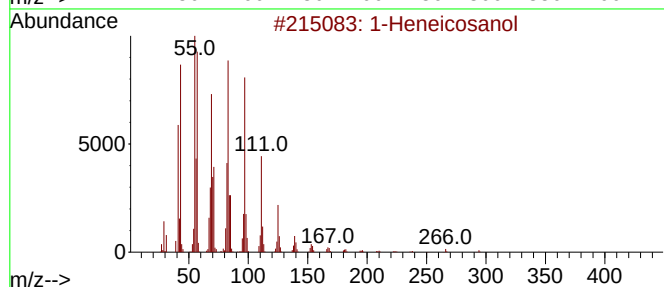
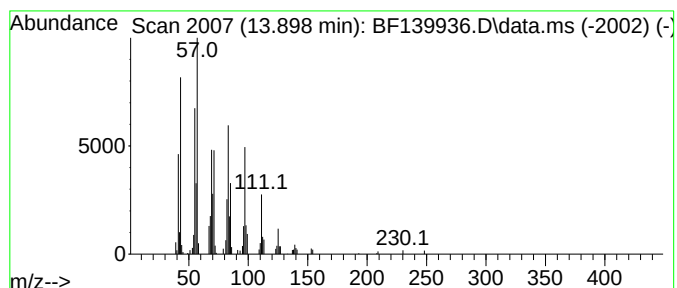
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 1-Heneicosanol Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.898	5.08 ng	211437	Chrysene-d12	14.051

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Heneicosanol	312	C21H44O	015594-90-8	93
2			Butyl eicosyl ether	354	C24H50O	1000406-40-7	91
3			Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	91
4			Docosyl pentafluoropropionate	472	C25H45F5O2	1000351-80-9	91
5			Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139936.D
Acq On : 22 Oct 2024 18:56
Operator : RC/JU
Sample : P4385-08
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-metho...	2.193	64.3	ng	2711610	1	6.886	843338	20.0
2-Pentanone, 4-...	5.110	4.7	ng	198082	1	6.886	843338	20.0
1-Heneicosanol	13.898	5.1	ng	211437	5	14.051	831855	20.0

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-5	SDG No.:	P4385
Lab Sample ID:	P4385-10	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.4
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
		GPC Cleanup :	N
		PH :	
		Test:	SVOC-TCL BNA -20
		Final Vol:	1000 uL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139949.D	1	10/11/24 09:38	10/23/24 01:08	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	190	U	190	350	ug/Kg
108-95-2	Phenol	88.7	U	88.7	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	89.5	U	89.5	180	ug/Kg
95-57-8	2-Chlorophenol	89.3	U	89.3	180	ug/Kg
95-48-7	2-Methylphenol	86.2	U	86.2	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	97.2	U	97.2	180	ug/Kg
98-86-2	Acetophenone	92.9	U	92.9	180	ug/Kg
65794-96-9	3+4-Methylphenols	85.4	U	85.4	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	43.1	U	43.1	85.6	ug/Kg
67-72-1	Hexachloroethane	88.8	U	88.8	180	ug/Kg
98-95-3	Nitrobenzene	97.1	U	97.1	180	ug/Kg
78-59-1	Isophorone	90.5	U	90.5	180	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	180	ug/Kg
105-67-9	2,4-Dimethylphenol	99.7	U	99.7	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	91.8	U	91.8	180	ug/Kg
120-83-2	2,4-Dichlorophenol	80.8	U	80.8	180	ug/Kg
91-20-3	Naphthalene	88.3	U	88.3	180	ug/Kg
106-47-8	4-Chloroaniline	88.3	UQ	88.3	180	ug/Kg
87-68-3	Hexachlorobutadiene	89.1	U	89.1	180	ug/Kg
105-60-2	Caprolactam	92.8	U	92.8	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	82.9	U	82.9	180	ug/Kg
91-57-6	2-Methylnaphthalene	88.2	U	88.2	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	170	UQ	170	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	76.4	U	76.4	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	79.2	U	79.2	180	ug/Kg
92-52-4	1,1-Biphenyl	93.5	U	93.5	180	ug/Kg
91-58-7	2-Chloronaphthalene	89.1	U	89.1	180	ug/Kg
88-74-4	2-Nitroaniline	100	U	100	180	ug/Kg
131-11-3	Dimethylphthalate	87.4	U	87.4	180	ug/Kg

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-5	SDG No.:	P4385
Lab Sample ID:	P4385-10	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.4
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
BF139949.D	1	10/11/24 09:38	10/23/24 01:08	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	92.5	U	92.5	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	89.0	U	89.0	180	ug/Kg
99-09-2	3-Nitroaniline	95.4	UQ	95.4	180	ug/Kg
83-32-9	Acenaphthene	86.7	U	86.7	180	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	350	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	350	ug/Kg
132-64-9	Dibenzofuran	90.3	U	90.3	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	92.2	U	92.2	180	ug/Kg
84-66-2	Diethylphthalate	85.7	U	85.7	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	91.6	U	91.6	180	ug/Kg
86-73-7	Fluorene	91.5	U	91.5	180	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	UQ	130	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	87.3	U	87.3	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	84.4	U	84.4	180	ug/Kg
118-74-1	Hexachlorobenzene	90.9	U	90.9	180	ug/Kg
1912-24-9	Atrazine	97.8	U	97.8	180	ug/Kg
87-86-5	Pentachlorophenol	82.7	U	82.7	350	ug/Kg
85-01-8	Phenanthrene	89.8	U	89.8	180	ug/Kg
120-12-7	Anthracene	90.3	U	90.3	180	ug/Kg
86-74-8	Carbazole	85.9	U	85.9	180	ug/Kg
84-74-2	Di-n-butylphthalate	90.2	U	90.2	180	ug/Kg
206-44-0	Fluoranthene	87.4	U	87.4	180	ug/Kg
129-00-0	Pyrene	88.8	U	88.8	180	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	350	ug/Kg
56-55-3	Benzo(a)anthracene	86.3	U	86.3	180	ug/Kg
218-01-9	Chrysene	85.0	U	85.0	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	97.3	U	97.3	180	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	86.7	U	86.7	180	ug/Kg

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-5	SDG No.:	P4385
Lab Sample ID:	P4385-10	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.4
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
		GPC Cleanup :	N
		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139949.D	1	10/11/24 09:38	10/23/24 01:08	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	88.3	U	88.3	180	ug/Kg
50-32-8	Benzo(a)pyrene	99.5	U	99.5	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	83.5	U	83.5	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	86.9	U	86.9	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	85.7	U	85.7	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	92.8	U	92.8	180	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	79.9	U	79.9	180	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	84.1		30 (18) - 130 (112)	56%	SPK: 150
13127-88-3	Phenol-d6	76.1		30 (15) - 130 (107)	51%	SPK: 150
4165-60-0	Nitrobenzene-d5	65.3		30 (18) - 130 (107)	65%	SPK: 100
321-60-8	2-Fluorobiphenyl	70.1		30 (20) - 130 (109)	70%	SPK: 100
118-79-6	2,4,6-Tribromophenol	101		30 (10) - 130 (116)	67%	SPK: 150
1718-51-0	Terphenyl-d14	54.7		30 (10) - 130 (105)	55%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	108000	6.893
1146-65-2	Naphthalene-d8	355000	8.169
15067-26-2	Acenaphthene-d10	171000	9.928
1517-22-2	Phenanthrene-d10	337000	11.41
1719-03-5	Chrysene-d12	293000	14.051
1520-96-3	Perylene-d12	206000	15.527

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	2500	JB	2.17	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	180	AB	5.11	ug/Kg
000119-61-9	Benzophenone	120	J	10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	370	J	11.9	ug/Kg
000057-11-4	Octadecanoic acid	72.4	J	12.7	ug/Kg
027519-02-4	9-Tricosene, (Z)-	320	J	13.9	ug/Kg
1000383-11-5	Carbonic acid, octadecyl prop-1-en	81.3	J	14.5	ug/Kg

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-5	SDG No.:	P4385
Lab Sample ID:	P4385-10	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.4
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
BF139949.D	1	10/11/24 09:38	10/23/24 01:08	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000638-67-5	Tricosane	320	J		15.2	ug/Kg
000629-99-2	Pentacosane	350	J		16.0	ug/Kg
018835-32-0	1-Tricosene	200	J		16.1	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\BF102224\
Data File : BF139949.D
Acq On : 23 Oct 2024 01:08
Operator : RC/JU
Sample : P4385-10
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-5

Quant Time: Oct 23 02:46:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	108490	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	354595	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	170918	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	337324	20.000	ng	0.00
76) Chrysene-d12	14.051	240	293042	20.000	ng	0.00
86) Perylene-d12	15.527	264	205540	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	582626	84.072	ng	0.00
7) Phenol-d6	6.504	99	683363	76.136	ng	0.00
23) Nitrobenzene-d5	7.445	82	417462	65.250	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	161004	100.708	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	725082	70.112	ng	0.00
79) Terphenyl-d14	12.998	244	983928	54.712	ng	0.00

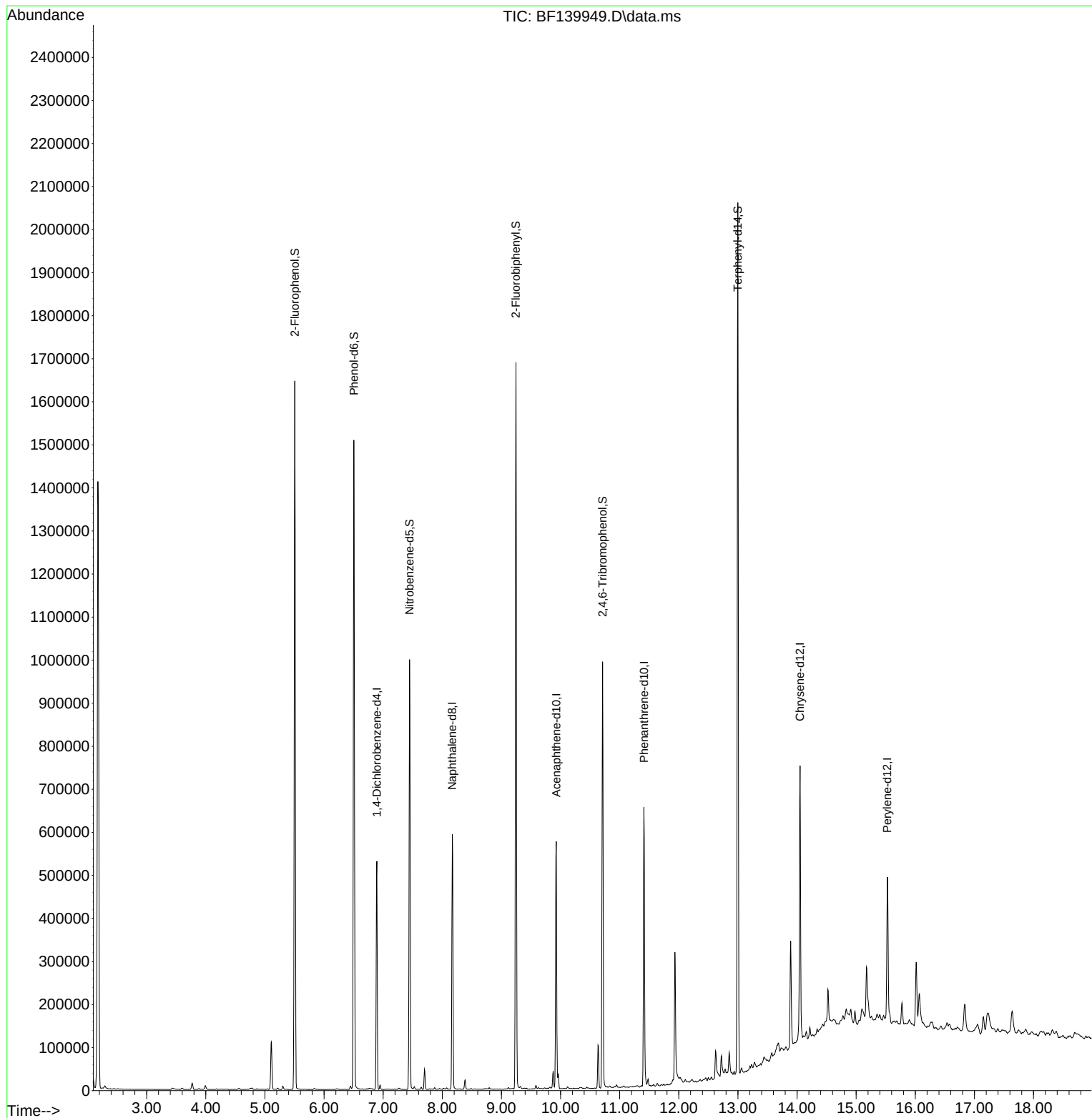
Target Compounds	Qvalue

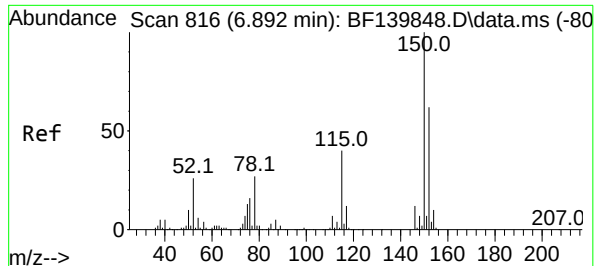
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139949.D
Acq On : 23 Oct 2024 01:08
Operator : RC/JU
Sample : P4385-10
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-5

Quant Time: Oct 23 02:46:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

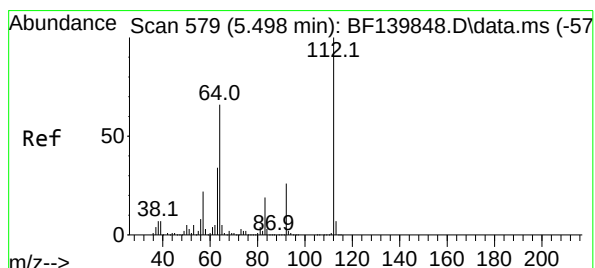
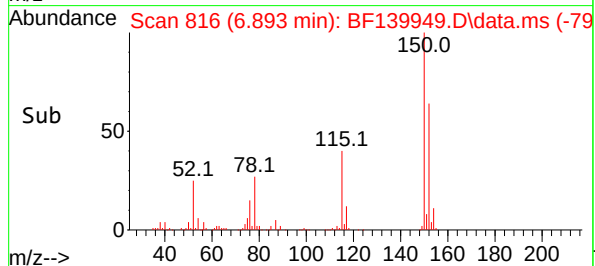
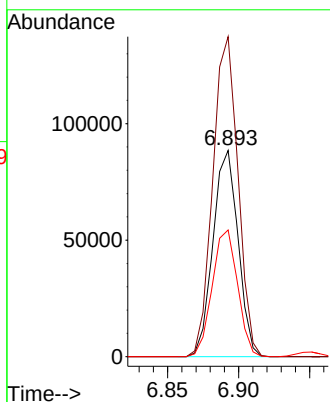
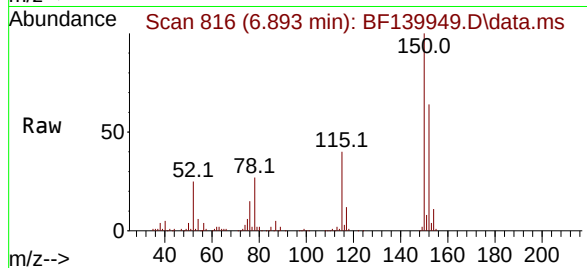




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 816
Delta R.T. 0.001 min
Lab File: BF139949.D
Acq: 23 Oct 2024 01:08

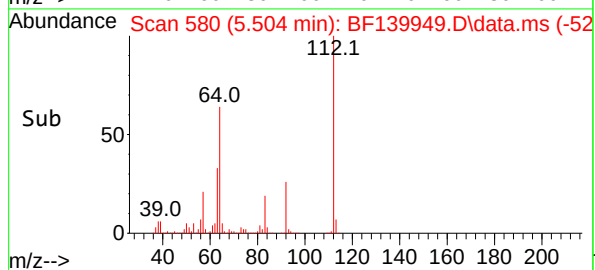
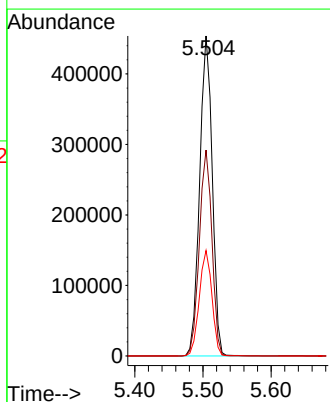
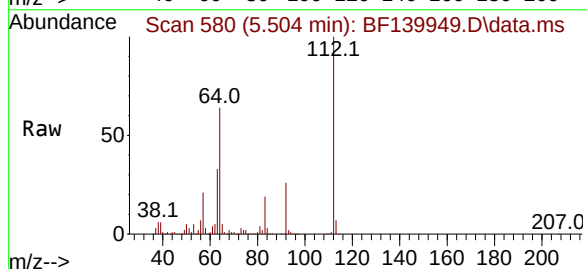
Instrument :
BNA_F
ClientSampleId :
SP-5

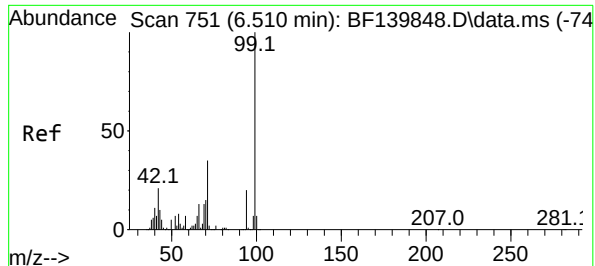
Tgt Ion:152 Resp: 108490
Ion Ratio Lower Upper
152 100
150 155.1 130.2 195.2
115 61.4 51.4 77.2



#5
2-Fluorophenol
Concen: 84.072 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF139949.D
Acq: 23 Oct 2024 01:08

Tgt Ion:112 Resp: 582626
Ion Ratio Lower Upper
112 100
64 64.4 53.0 79.6
63 33.0 27.0 40.4

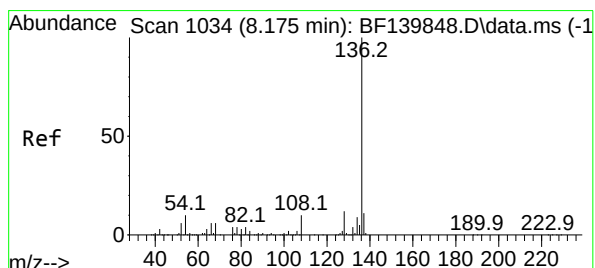
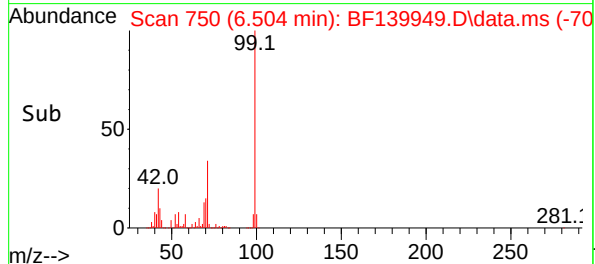
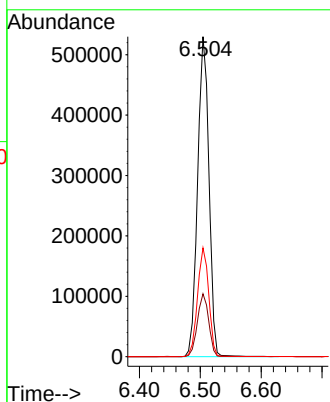
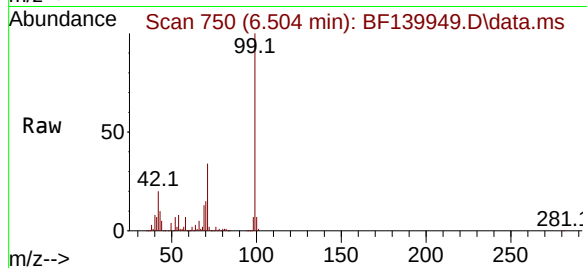




#7
Phenol-d6
Concen: 76.136 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF139949.D
Acq: 23 Oct 2024 01:08

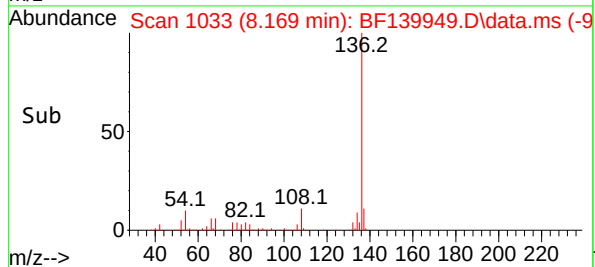
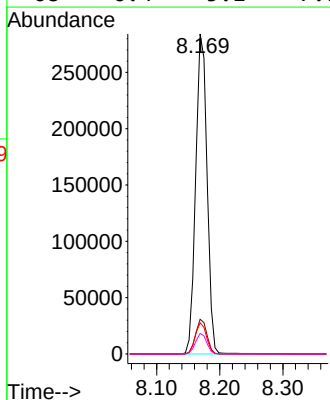
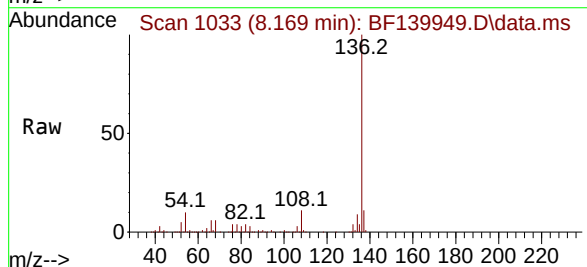
Instrument :
BNA_F
ClientSampleId :
SP-5

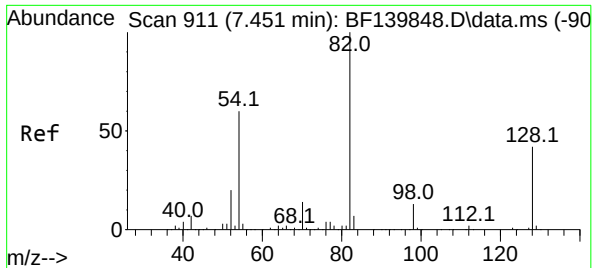
Tgt Ion: 99 Resp: 683363
Ion Ratio Lower Upper
99 100
42 19.7 16.7 25.1
71 34.0 27.7 41.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF139949.D
Acq: 23 Oct 2024 01:08

Tgt Ion: 136 Resp: 354595
Ion Ratio Lower Upper
136 100
137 10.8 8.6 12.8
54 9.8 8.4 12.6
68 6.4 5.1 7.7





#23

Nitrobenzene-d5

Concen: 65.250 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF139949.D

Acq: 23 Oct 2024 01:08

Instrument :

BNA_F

ClientSampleId :

SP-5

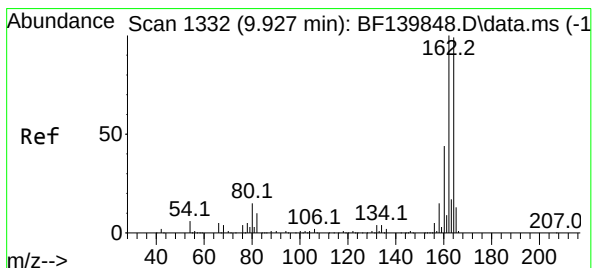
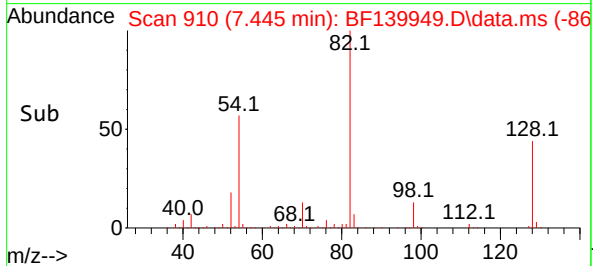
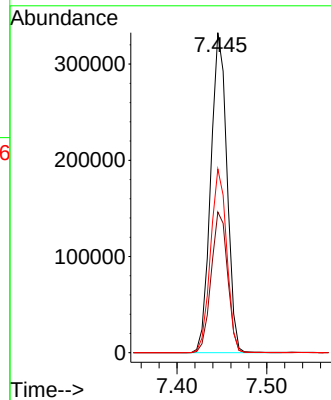
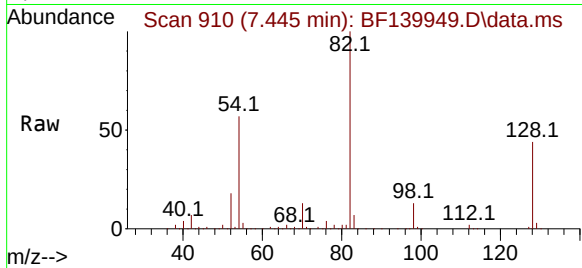
Tgt Ion: 82 Resp: 417462

Ion Ratio Lower Upper

82 100

128 43.9 33.4 50.0

54 57.4 47.8 71.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 1332

Delta R.T. 0.001 min

Lab File: BF139949.D

Acq: 23 Oct 2024 01:08

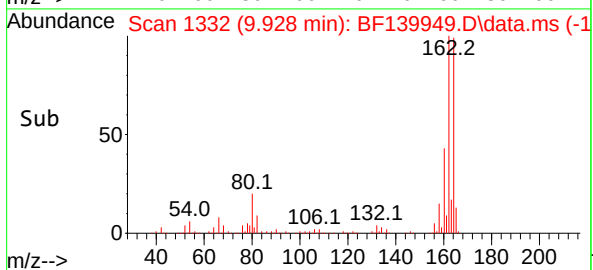
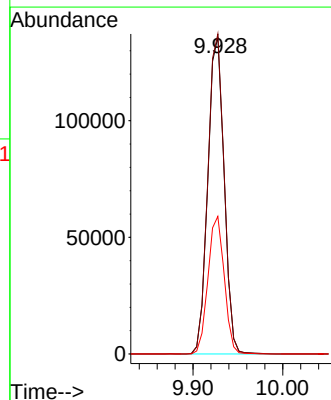
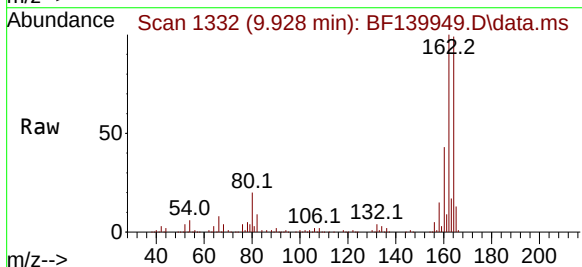
Tgt Ion:164 Resp: 170918

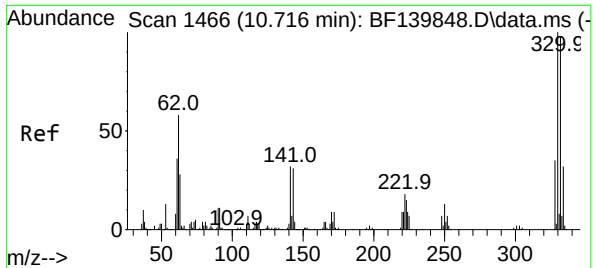
Ion Ratio Lower Upper

164 100

162 100.9 81.0 121.4

160 43.4 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 100.708 ng

RT: 10.710 min Scan# 1465

Delta R.T. -0.006 min

Lab File: BF139949.D

Acq: 23 Oct 2024 01:08

Instrument :

BNA_F

ClientSampleId :

SP-5

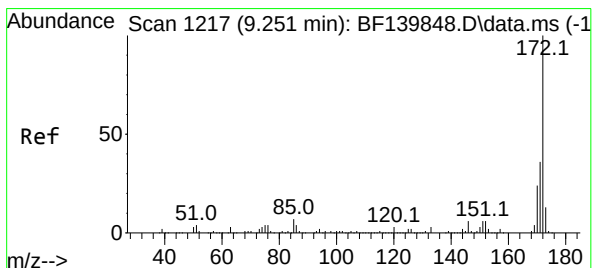
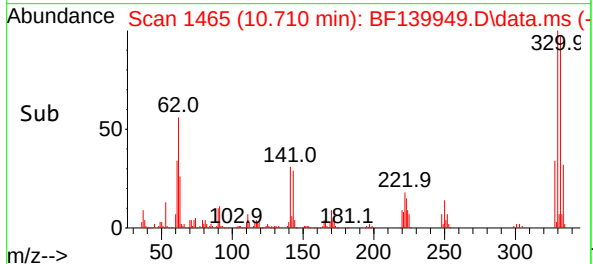
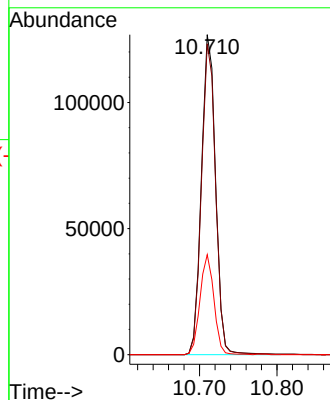
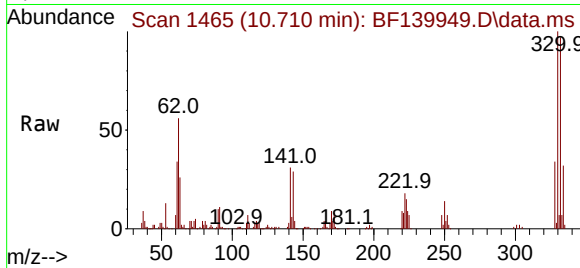
Tgt Ion:330 Resp: 161004

Ion Ratio Lower Upper

330 100

332 96.9 78.1 117.1

141 30.6 26.6 39.8



#45

2-Fluorobiphenyl

Concen: 70.112 ng

RT: 9.245 min Scan# 1216

Delta R.T. -0.006 min

Lab File: BF139949.D

Acq: 23 Oct 2024 01:08

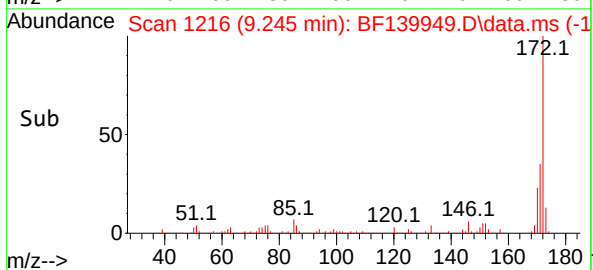
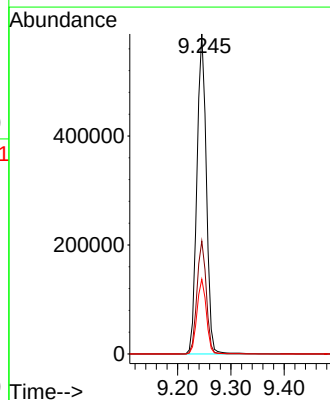
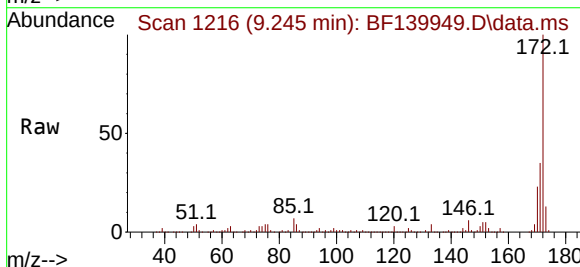
Tgt Ion:172 Resp: 725082

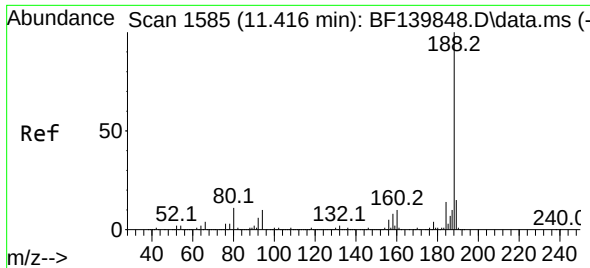
Ion Ratio Lower Upper

172 100

171 35.3 28.6 43.0

170 23.3 19.1 28.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139949.D

Acq: 23 Oct 2024 01:08

Instrument :

BNA_F

ClientSampleId :

SP-5

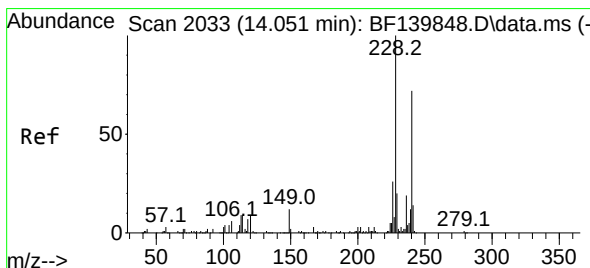
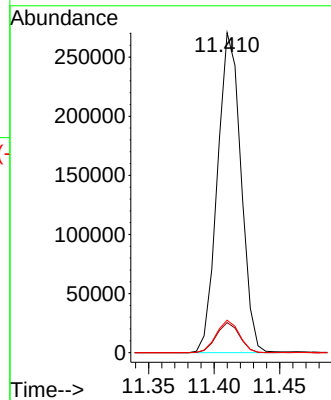
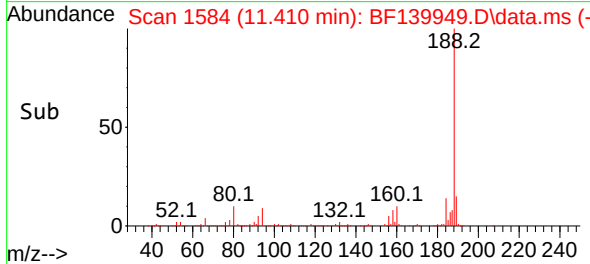
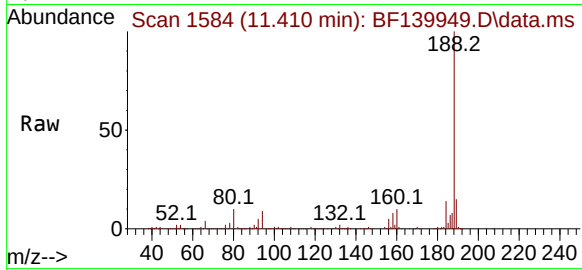
Tgt Ion:188 Resp: 337324

Ion Ratio Lower Upper

188 100

94 9.4 7.9 11.9

80 10.2 9.0 13.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2033

Delta R.T. 0.000 min

Lab File: BF139949.D

Acq: 23 Oct 2024 01:08

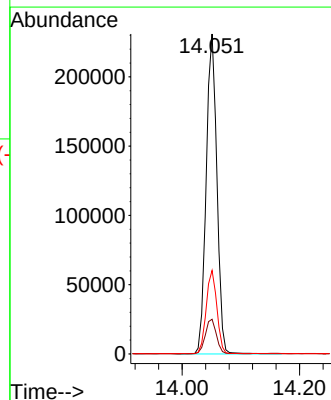
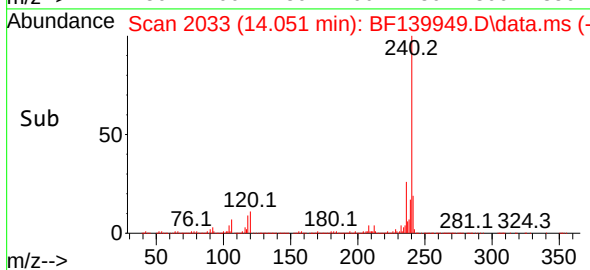
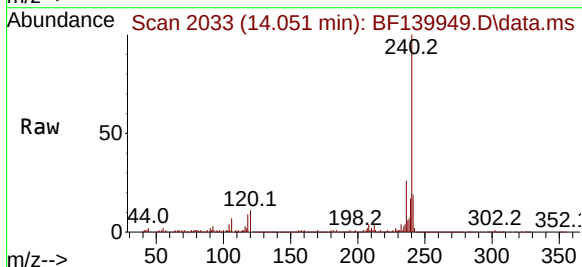
Tgt Ion:240 Resp: 293042

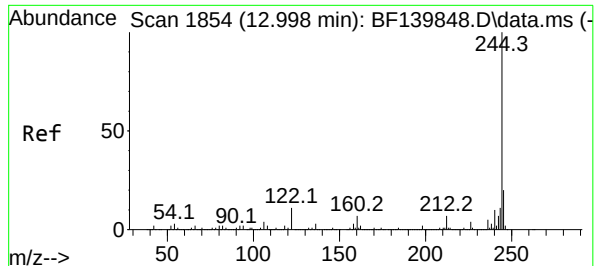
Ion Ratio Lower Upper

240 100

120 10.9 9.4 14.2

236 26.1 20.9 31.3





#79

Terphenyl-d14

Concen: 54.712 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.000 min

Lab File: BF139949.D

Acq: 23 Oct 2024 01:08

Instrument :

BNA_F

ClientSampleId :

SP-5

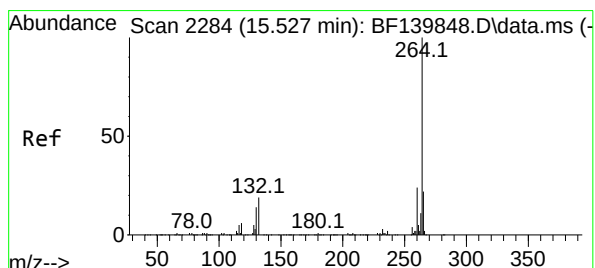
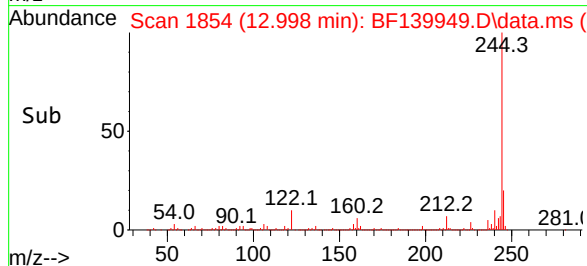
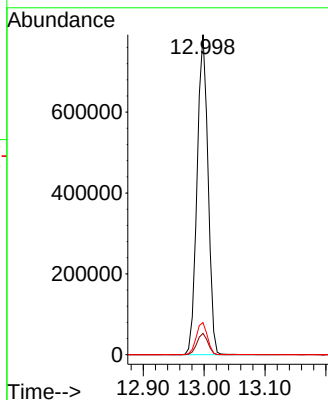
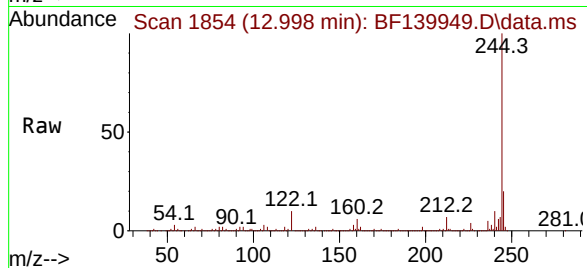
Tgt Ion:244 Resp: 983928

Ion Ratio Lower Upper

244 100

212 6.6 5.7 8.5

122 10.0 8.6 13.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 2284

Delta R.T. 0.000 min

Lab File: BF139949.D

Acq: 23 Oct 2024 01:08

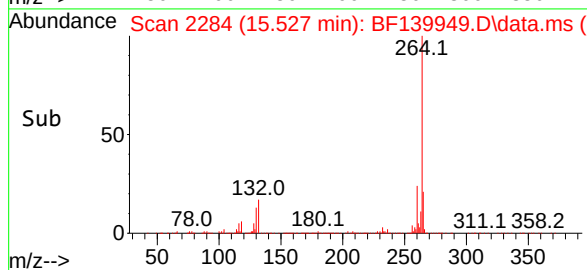
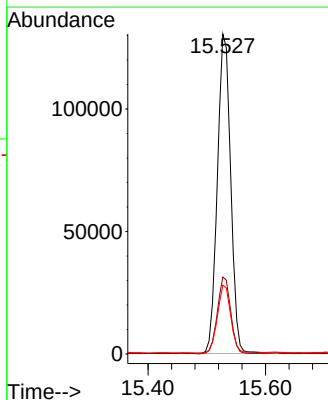
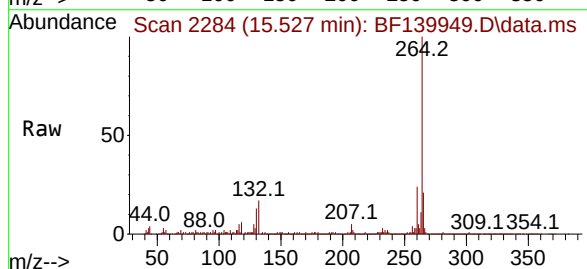
Tgt Ion:264 Resp: 205540

Ion Ratio Lower Upper

264 100

260 24.1 19.4 29.2

265 21.5 17.4 26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
 Data File : BF139949.D
 Acq On : 23 Oct 2024 01:08
 Operator : RC/JU
 Sample : P4385-10
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-5

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-BF101824.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF139949.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.175	6	14	23	rVB	1409349	2286928	90.13%	11.423%
2	5.110	505	513	519	rBV	110792	165713	6.53%	0.828%
3	5.504	574	580	585	rBV	1645496	2108373	83.09%	10.531%
4	6.504	744	750	755	rBV	1506217	1948898	76.81%	9.735%
5	6.893	810	816	821	rVB	530049	656949	25.89%	3.281%
6	7.445	904	910	915	rBV	998477	1253818	49.41%	6.263%
7	7.698	949	953	959	rBV	47198	58011	2.29%	0.290%
8	8.169	1028	1033	1038	rBV	591405	733399	28.90%	3.663%
9	8.387	1064	1070	1076	rBV3	21833	30731	1.21%	0.153%
10	9.245	1210	1216	1226	rBV	1687640	2073429	81.72%	10.357%
11	9.875	1317	1323	1327	rBV	39598	50143	1.98%	0.250%
12	9.928	1327	1332	1336	rVV	573567	736698	29.03%	3.680%
13	9.957	1336	1337	1342	rVB	34567	32844	1.29%	0.164%
14	10.633	1448	1452	1460	rVB	99285	125876	4.96%	0.629%
15	10.710	1460	1465	1475	rBV	990159	1246638	49.13%	6.227%
16	11.410	1579	1584	1592	rBV	648071	837313	33.00%	4.182%
17	11.933	1668	1673	1686	rBV	297155	429101	16.91%	2.143%
18	12.622	1786	1790	1802	rBV	65131	127443	5.02%	0.637%
19	12.722	1802	1807	1814	rBV	47630	84780	3.34%	0.423%
20	12.851	1825	1829	1835	rVB	47473	70328	2.77%	0.351%
21	12.998	1848	1854	1859	rBV	2022195	2537327	100.00%	12.674%
22	13.892	2001	2006	2013	rBV	248487	373370	14.72%	1.865%
23	14.051	2028	2033	2040	rVB	631130	840878	33.14%	4.200%
24	14.521	2110	2113	2119	rVB	70712	95717	3.77%	0.478%
25	15.174	2221	2224	2235	rVB	117899	226162	8.91%	1.130%
26	15.527	2279	2284	2290	rBV	326381	503649	19.85%	2.516%
27	16.015	2362	2367	2372	rBV	143949	243929	9.61%	1.218%
28	16.068	2372	2376	2385	rVB	68073	141969	5.60%	0.709%

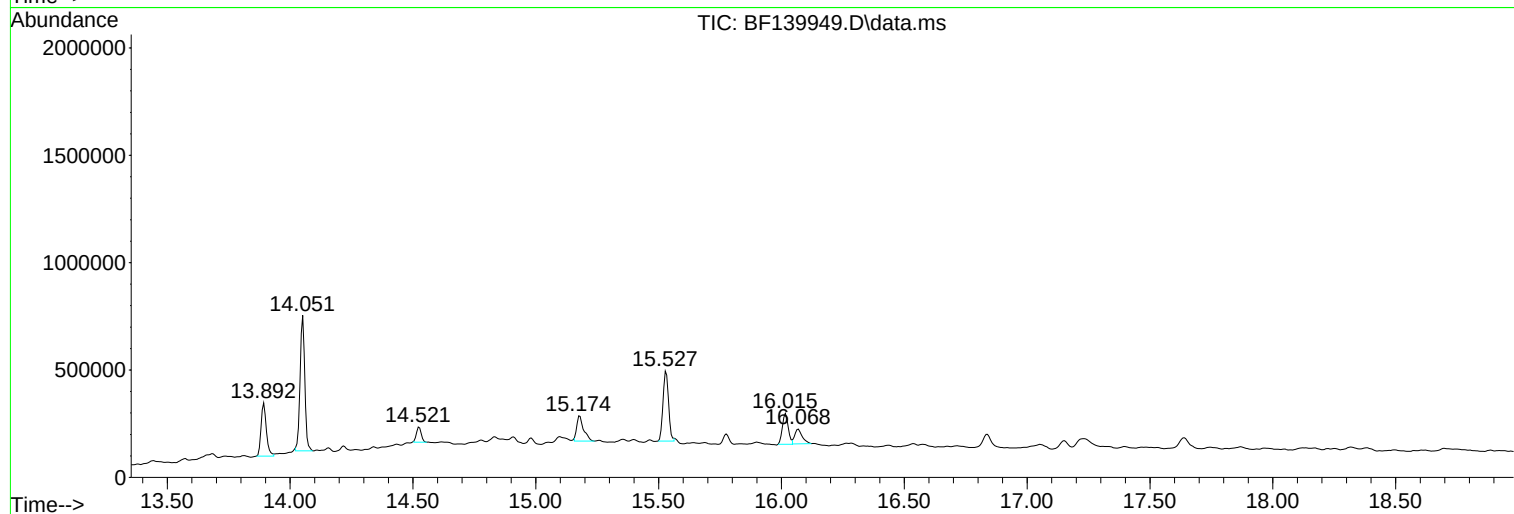
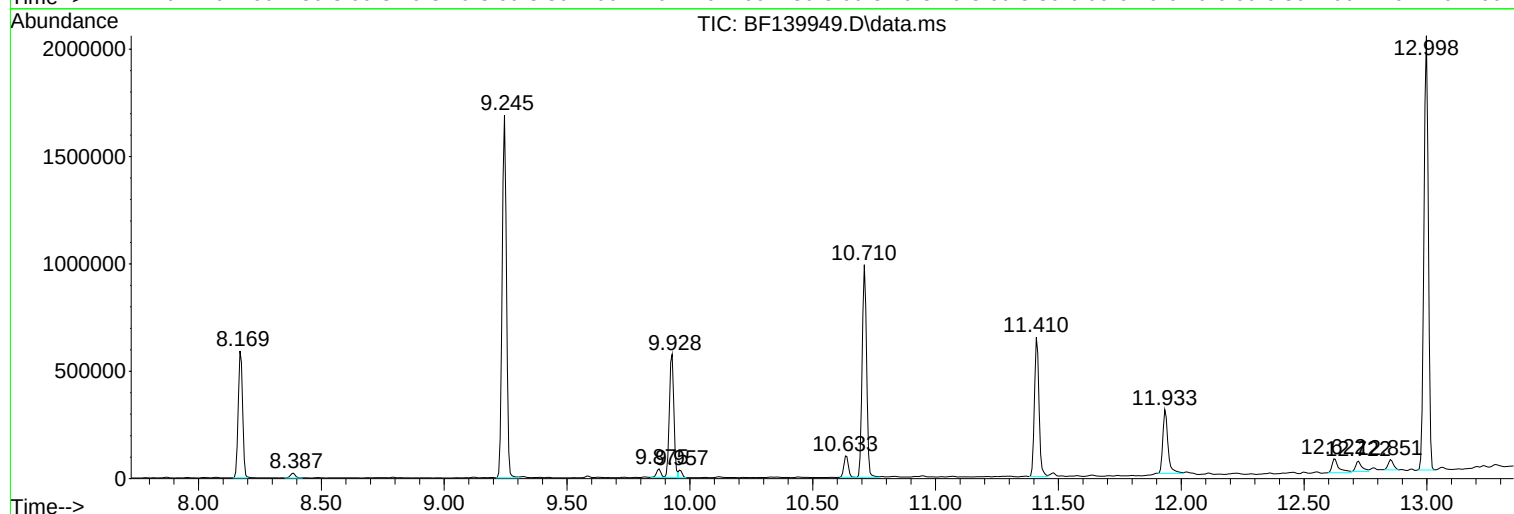
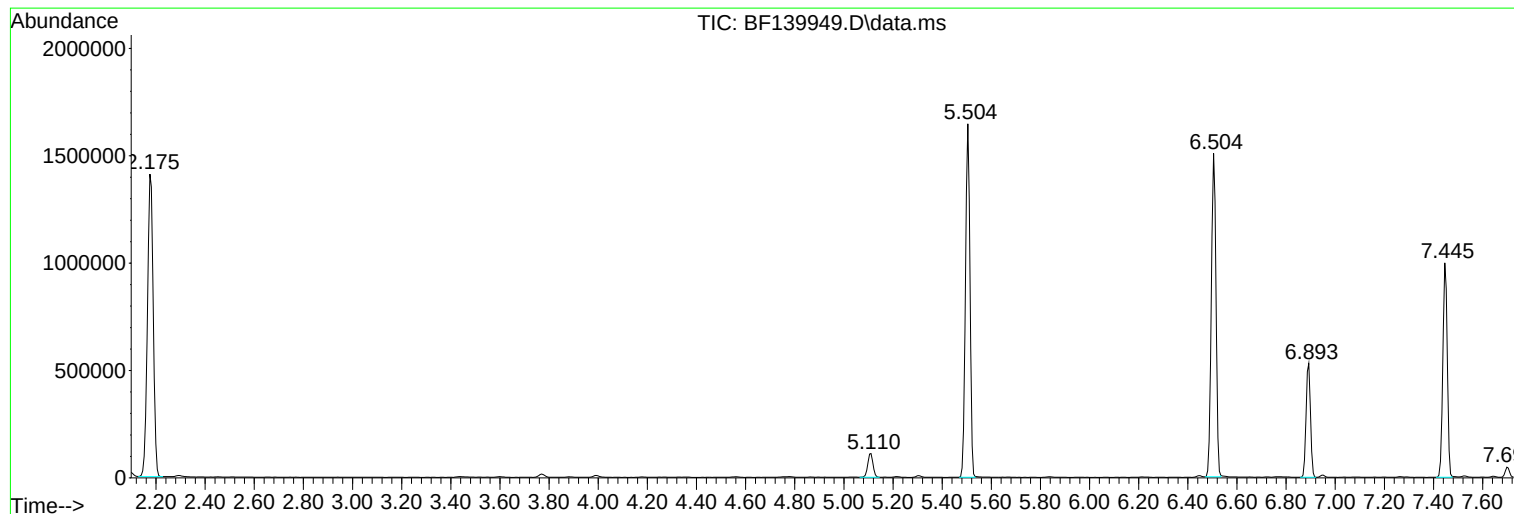
Sum of corrected areas: 20020414

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139949.D
Acq On : 23 Oct 2024 01:08
Operator : RC/JU
Sample : P4385-10
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.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\BF102224\
Data File : BF139949.D
Acq On : 23 Oct 2024 01:08
Operator : RC/JU
Sample : P4385-10
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-5

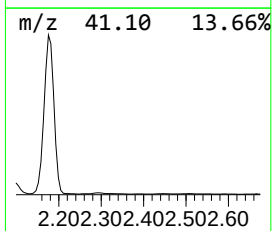
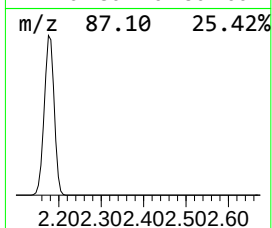
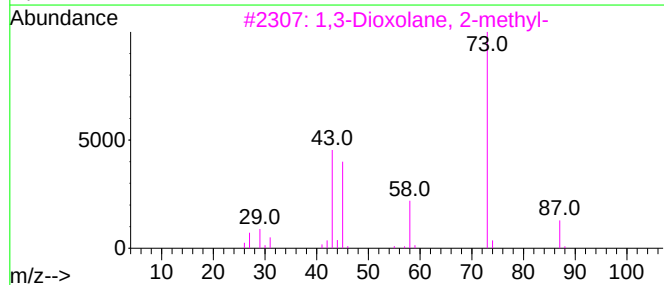
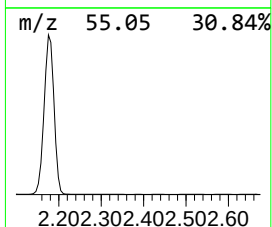
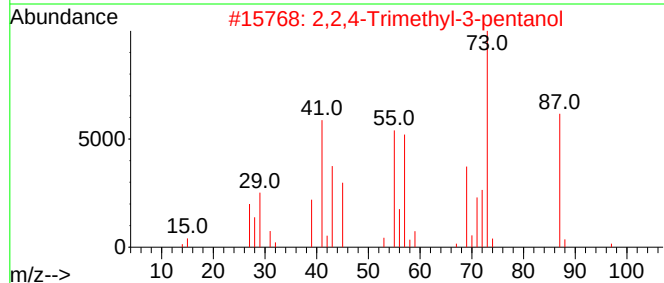
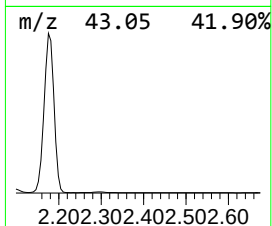
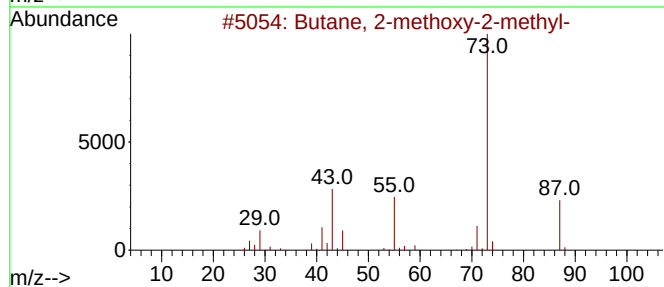
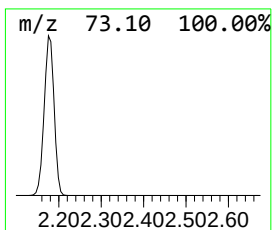
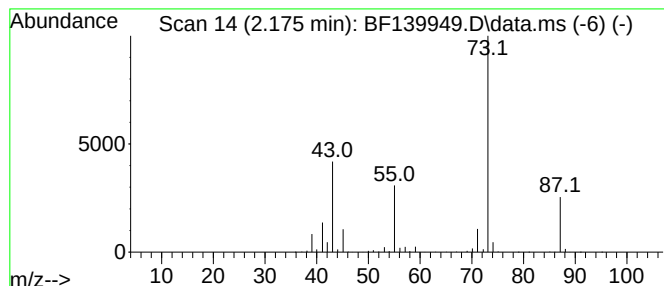
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.175	69.62 ng	2286930	1,4-Dichlorobenzene-d4	6.893

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3			1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	23
4			Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12
5			N-Ethylformamide	73	C3H7NO	000627-45-2	9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139949.D
Acq On : 23 Oct 2024 01:08
Operator : RC/JU
Sample : P4385-10
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-5

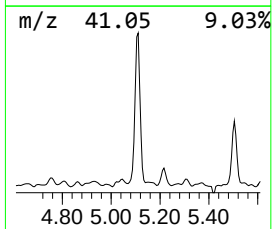
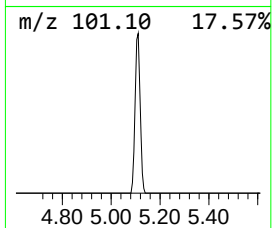
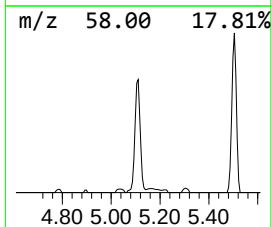
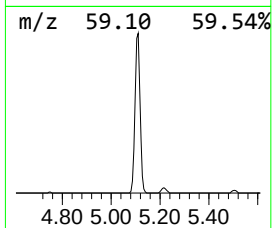
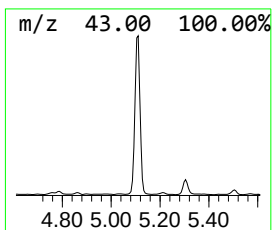
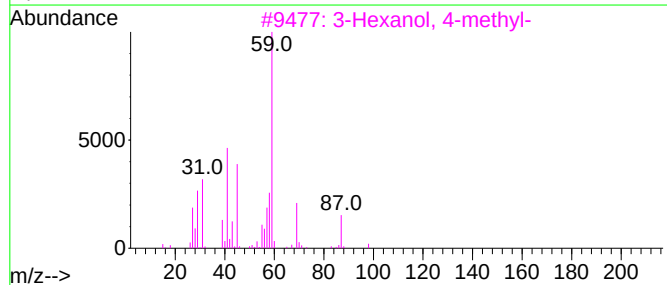
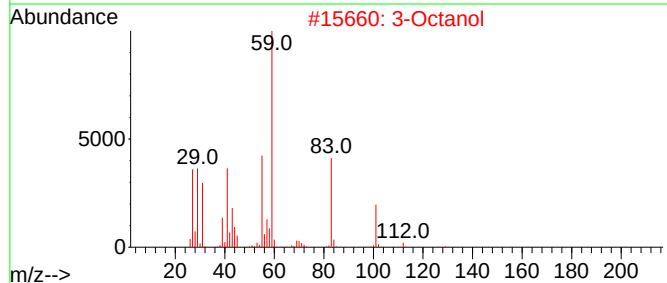
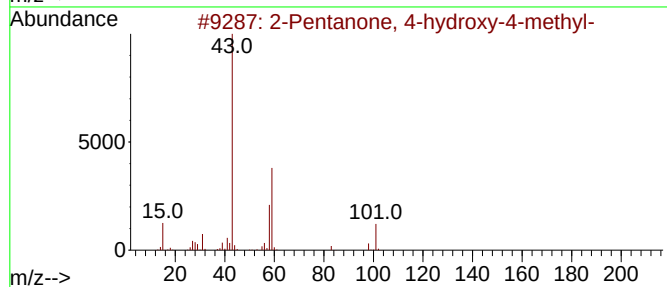
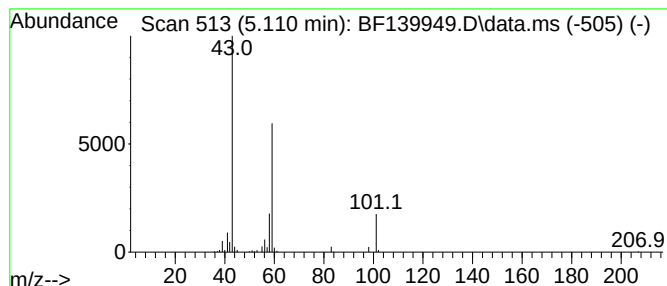
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.110	5.04 ng	165713	1,4-Dichlorobenzene-d4	6.893

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2		3-Octanol	130	C8H18O	000589-98-0	33
3		3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
4		Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	28
5		2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139949.D
Acq On : 23 Oct 2024 01:08
Operator : RC/JU
Sample : P4385-10
Misc :
ALS Vial : 24 Sample Multiplier: 1

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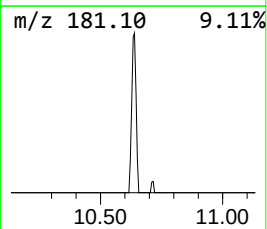
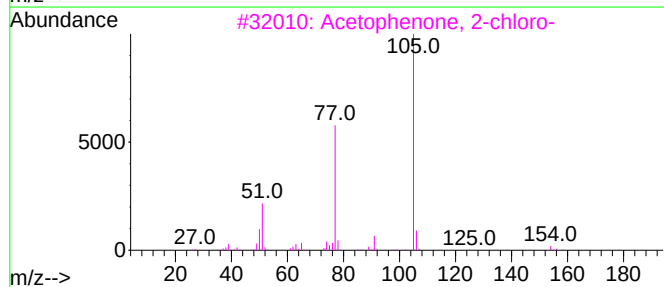
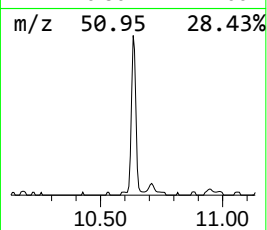
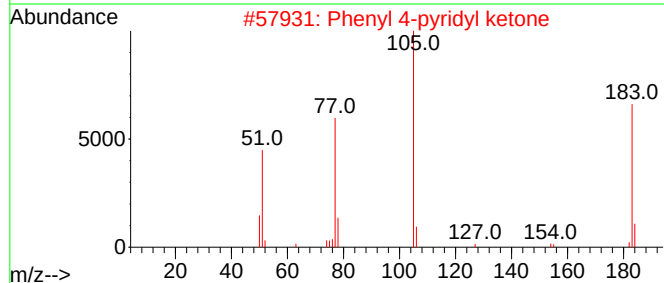
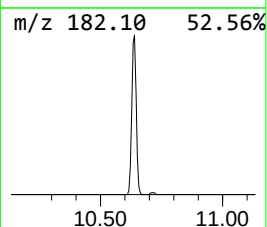
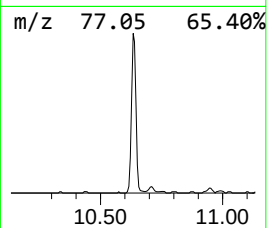
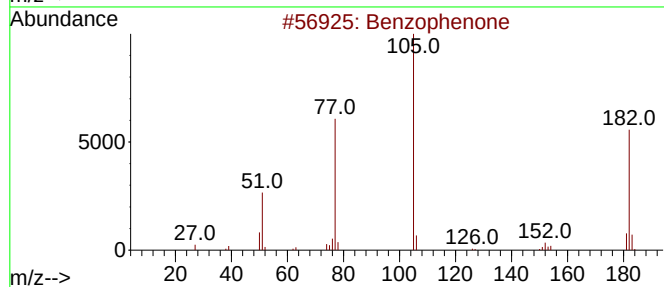
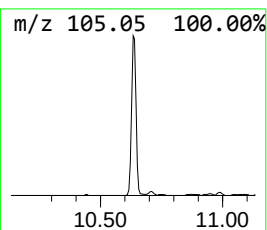
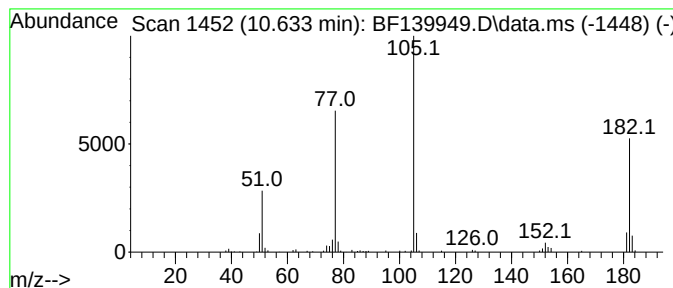
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Benzophenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.634	3.42 ng	125876	Acenaphthene-d10	9.928

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	53
3			Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	49
4			Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	49
5			5-Oxo-5-phenylpentanenitrile	173	C11H11NO	1000486-83-7	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139949.D
Acq On : 23 Oct 2024 01:08
Operator : RC/JU
Sample : P4385-10
Misc :
ALS Vial : 24 Sample Multiplier: 1

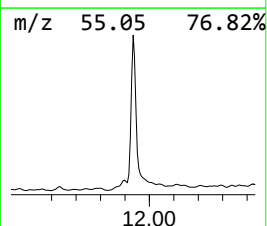
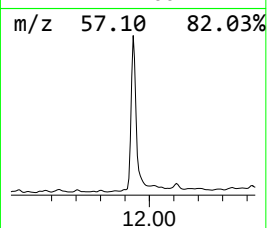
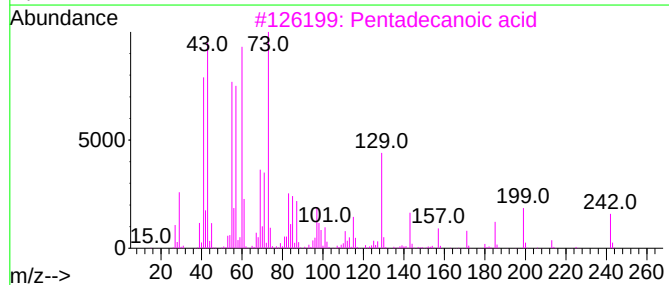
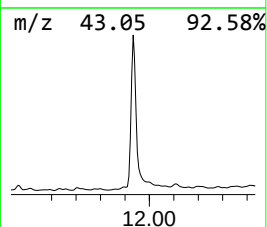
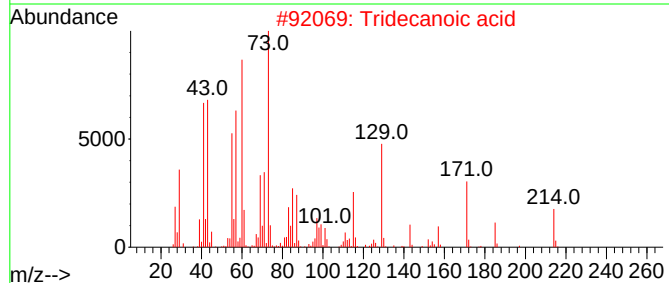
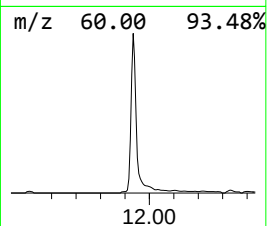
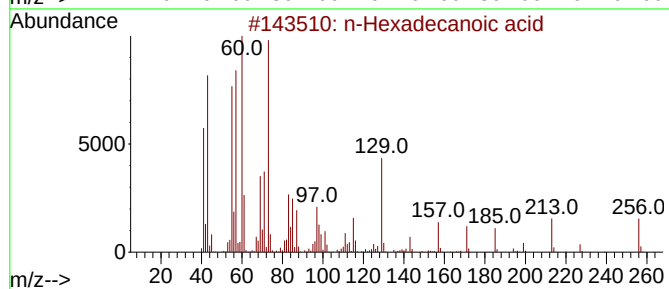
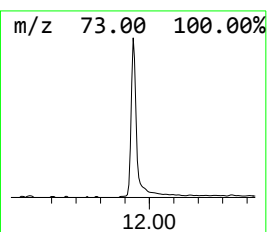
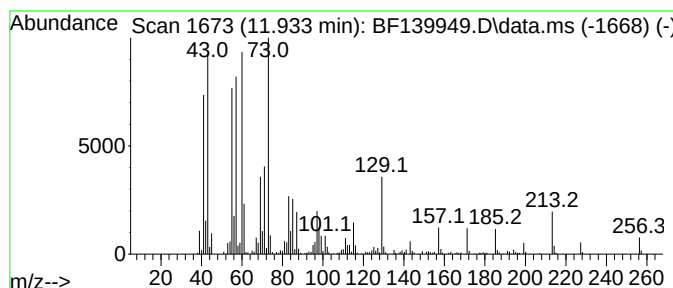
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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.	
11.933	10.25 ng	429101	Phenanthrene-d10	11.410	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	94
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	93
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	80
5	Carbonic acid, eicosyl vinyl ester	368	C23H44O3	1000382-54-3	35



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139949.D
Acq On : 23 Oct 2024 01:08
Operator : RC/JU
Sample : P4385-10
Misc :
ALS Vial : 24 Sample Multiplier: 1

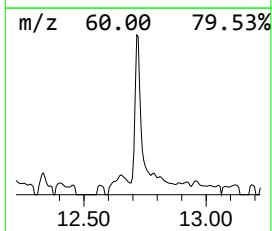
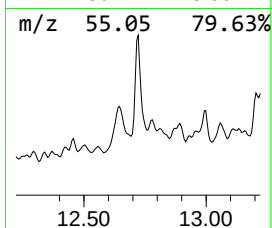
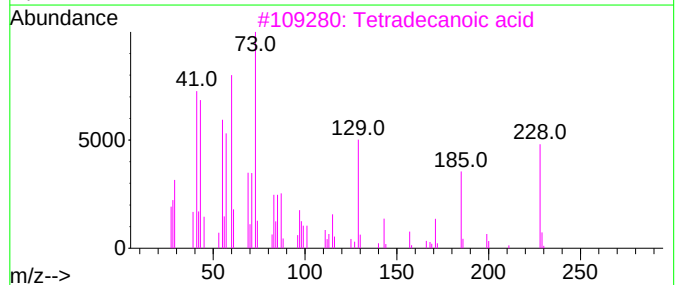
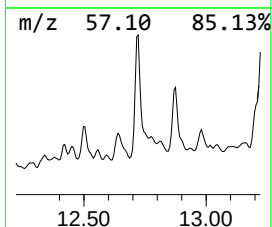
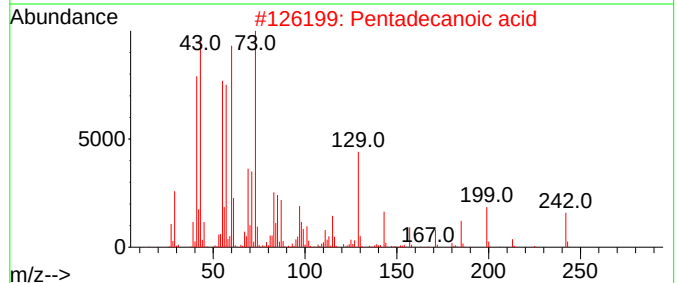
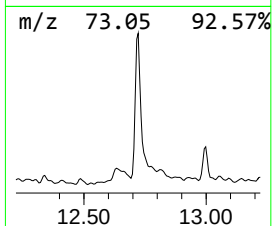
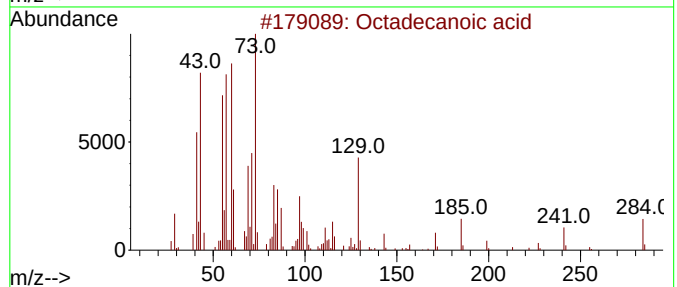
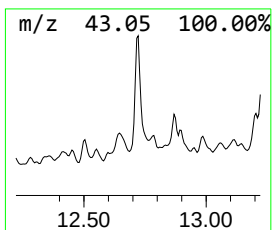
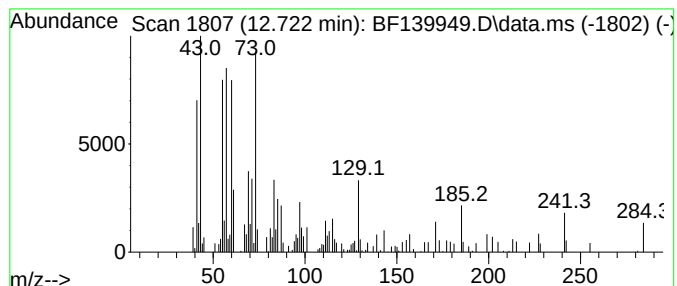
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Octadecanoic acid Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.722	2.03 ng	84780	Phenanthrene-d10		11.410	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Octadecanoic acid		284	C18H36O2	000057-11-4	98
2	Pentadecanoic acid		242	C15H30O2	001002-84-2	97
3	Tetradecanoic acid		228	C14H28O2	000544-63-8	93
4	n-Hexadecanoic acid		256	C16H32O2	000057-10-3	83
5	Tridecanoic acid		214	C13H26O2	000638-53-9	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139949.D
Acq On : 23 Oct 2024 01:08
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Sample : P4385-10
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-5

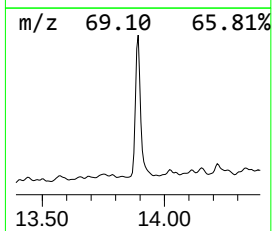
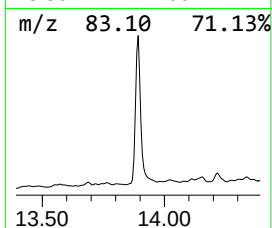
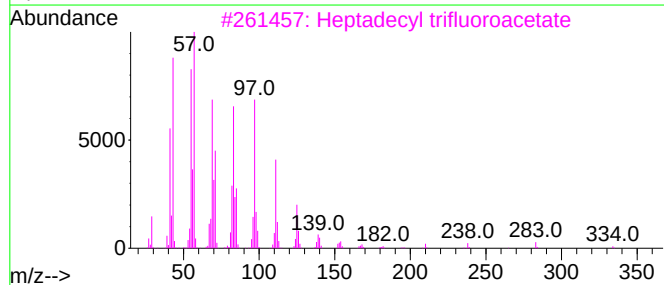
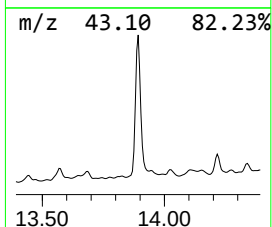
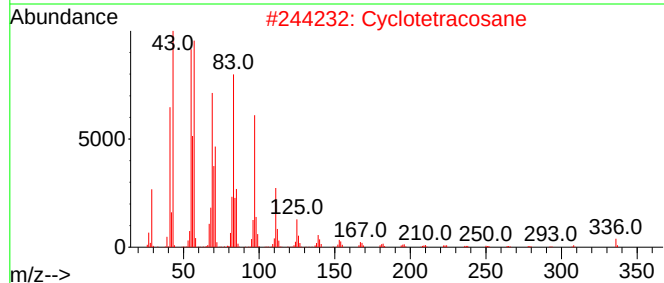
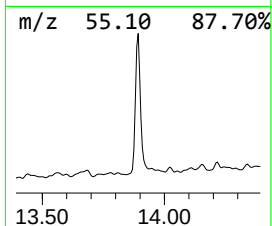
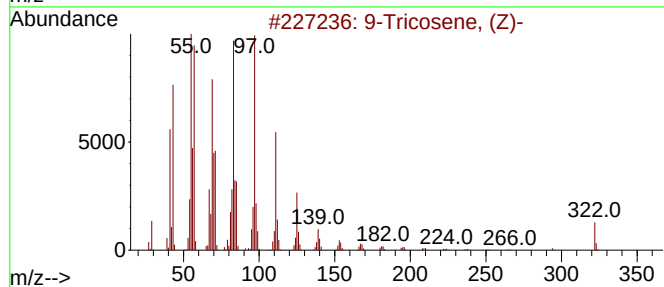
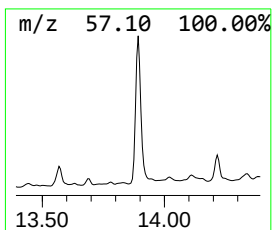
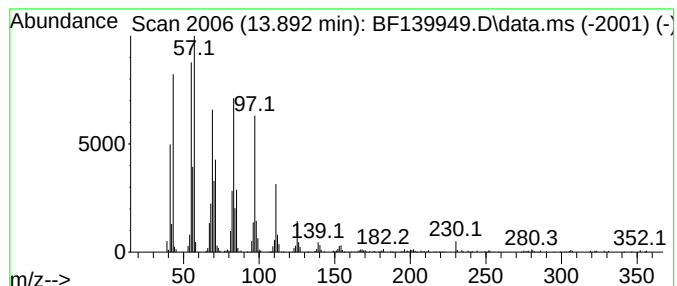
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 9-Tricosene, (Z)- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.892	8.88 ng	373370	Chrysene-d12	14.051

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		9-Tricosene, (Z)-	322	C23H46	027519-02-4	95
2		Cyclotetracosane	336	C24H48	000297-03-0	95
3		Heptadecyl trifluoroacetate	352	C19H35F3O2	1010351-87-0	94
4		Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	94
5		3-Eicosene, (E)-	280	C20H40	074685-33-9	92



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139949.D
Acq On : 23 Oct 2024 01:08
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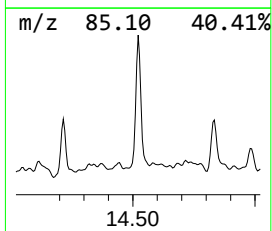
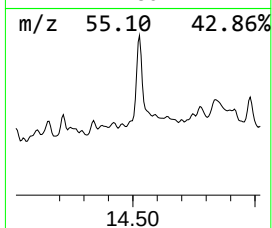
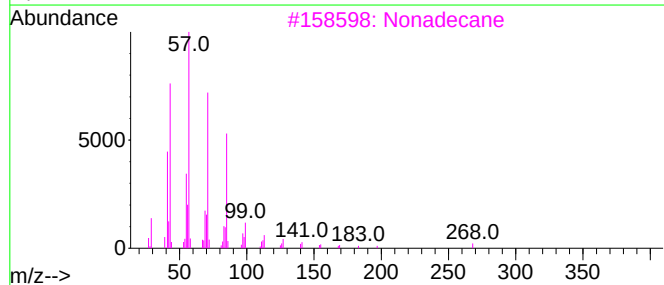
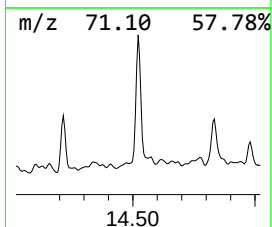
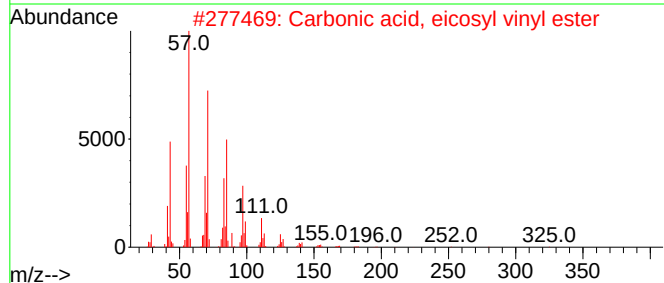
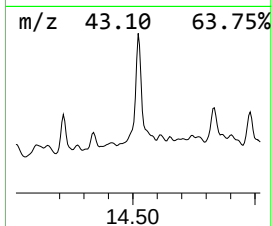
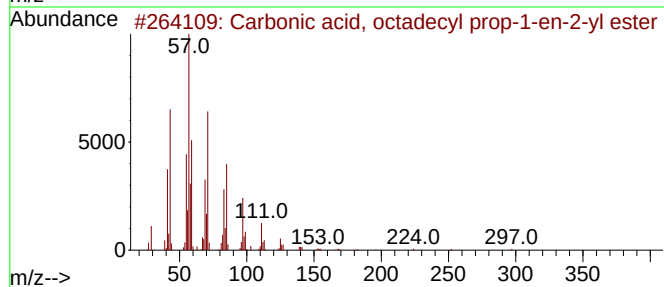
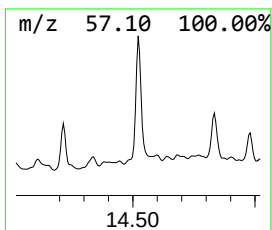
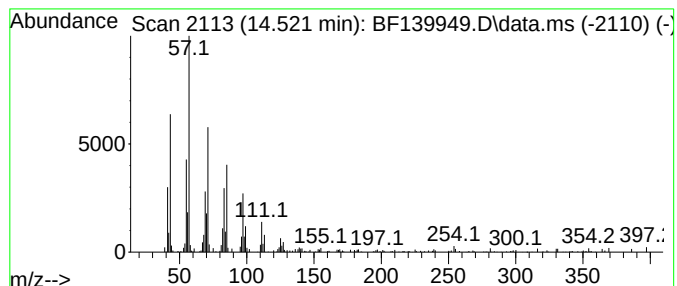
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Carbonic acid, octadecyl pr... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.522	2.28 ng	95717	Chrysene-d12	14.051	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbonic acid, octadecyl prop-1-...	354	C22H42O3	1000383-11-5	94
2	Carbonic acid, eicosyl vinyl ester	368	C23H44O3	1000382-54-3	94
3	Nonadecane	268	C19H40	000629-92-5	93
4	Hexadecane	226	C16H34	000544-76-3	93
5	Octadecane	254	C18H38	000593-45-3	92



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
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ALS Vial : 24 Sample Multiplier: 1

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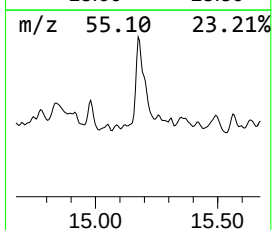
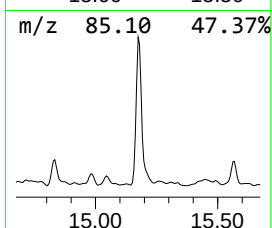
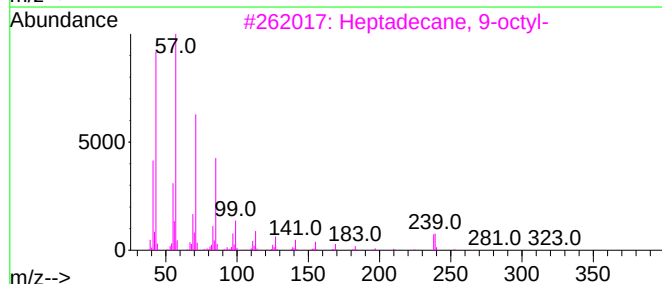
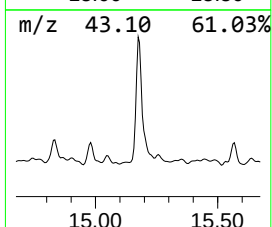
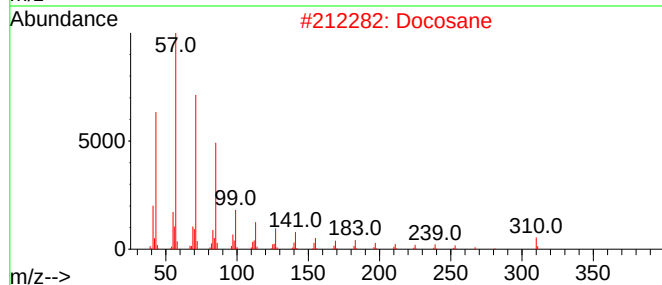
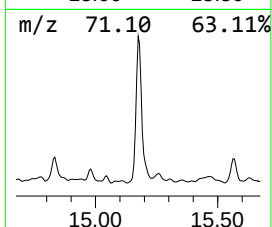
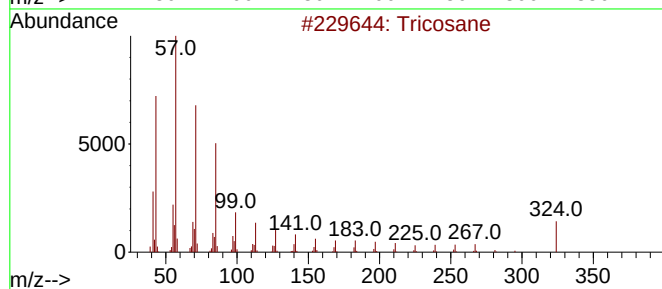
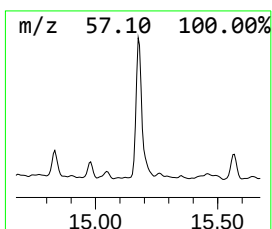
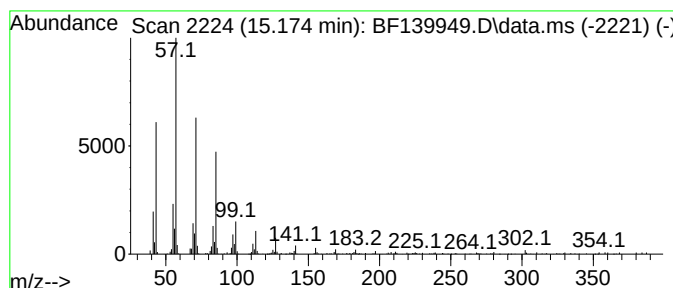
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Tricosane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.174	8.98 ng	226162	Perylene-d12	15.527

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tricosane	324	C23H48	000638-67-5	95
2			Docosane	310	C22H46	000629-97-0	94
3			Heptadecane, 9-octyl-	352	C25H52	007225-64-1	92
4			Octacosane	394	C28H58	000630-02-4	91
5			Heneicosane	296	C21H44	000629-94-7	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139949.D
Acq On : 23 Oct 2024 01:08
Operator : RC/JU
Sample : P4385-10
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-5

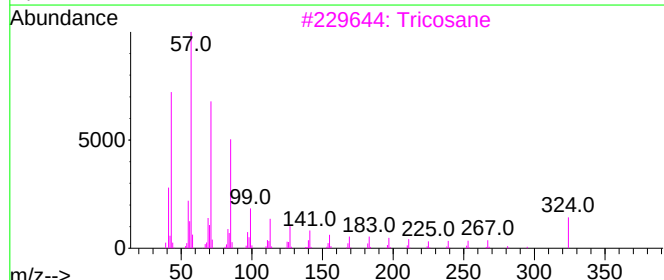
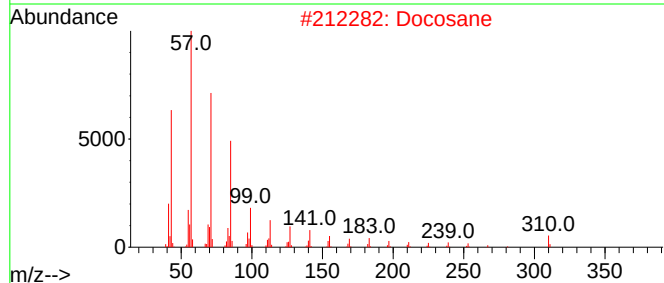
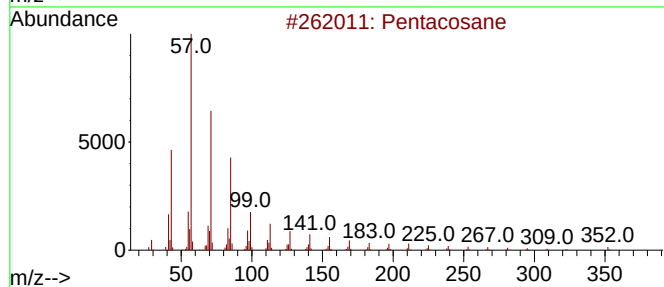
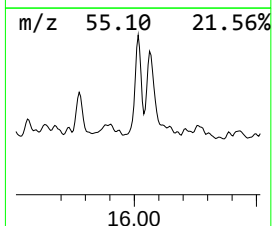
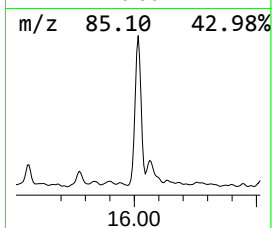
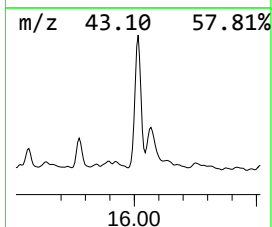
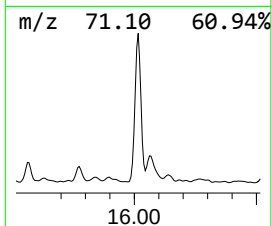
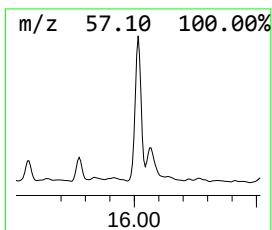
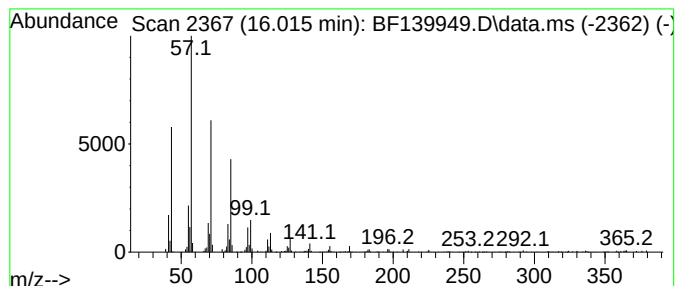
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Pentacosane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.015	9.69 ng	243929	Perylene-d12	15.527

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentacosane	352	C25H52	000629-99-2	97
2			Docosane	310	C22H46	000629-97-0	96
3			Tricosane	324	C23H48	000638-67-5	94
4			Hexacosane	366	C26H54	000630-01-3	94
5			Docosane, 9-butyl-	366	C26H54	055282-14-9	94



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139949.D
Acq On : 23 Oct 2024 01:08
Operator : RC/JU
Sample : P4385-10
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-5

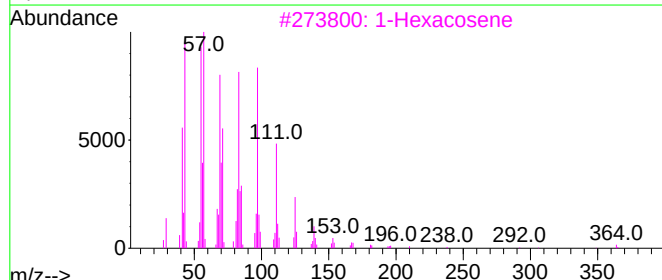
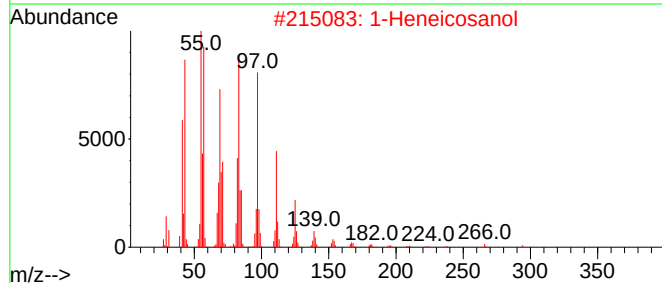
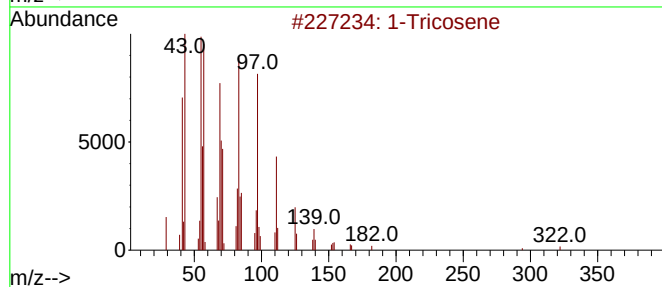
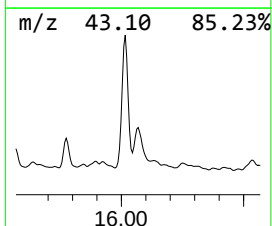
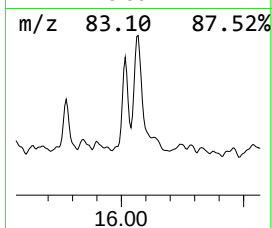
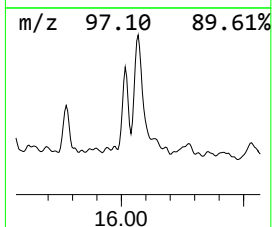
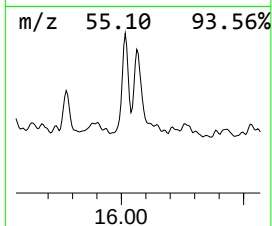
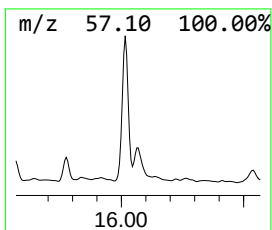
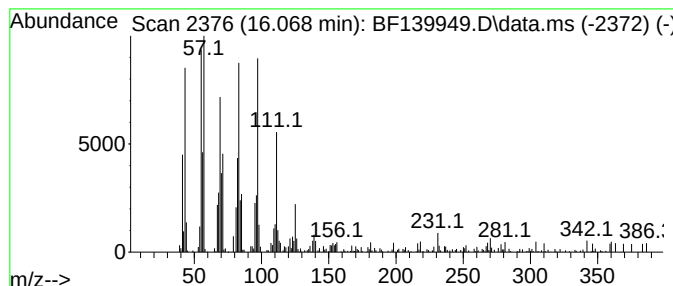
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 1-Tricosene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.068	5.64 ng	141969	Perylene-d12	15.527

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Tricosene		322	C23H46	018835-32-0	99
2	1-Heneicosanol		312	C21H44O	015594-90-8	93
3	1-Hexacosene		364	C26H52	018835-33-1	91
4	1-Heptacosanol		396	C27H56O	002004-39-9	90
5	Octacosyl acetate		452	C30H60O2	018206-97-8	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139949.D
Acq On : 23 Oct 2024 01:08
Operator : RC/JU
Sample : P4385-10
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.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
Butane, 2-metho...	2.175	69.6	ng	2286930	1	6.893	656949	20.0
2-Pentanone, 4-...	5.110	5.0	ng	165713	1	6.893	656949	20.0
Benzophenone	10.634	3.4	ng	125876	3	9.928	736698	20.0
n-Hexadecanoic ...	11.933	10.3	ng	429101	4	11.410	837313	20.0
Octadecanoic acid	12.722	2.0	ng	84780	4	11.410	837313	20.0
9-Tricosene, (Z)-	13.892	8.9	ng	373370	5	14.051	840878	20.0
Carbonic acid, ...	14.522	2.3	ng	95717	5	14.051	840878	20.0
Tricosane	15.174	9.0	ng	226162	6	15.527	503649	20.0
Pentacosane	16.015	9.7	ng	243929	6	15.527	503649	20.0
1-Tricosene	16.068	5.6	ng	141969	6	15.527	503649	20.0

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-6	SDG No.:	P4385
Lab Sample ID:	P4385-12	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139947.D	1	10/11/24 09:38	10/23/24 00:11	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	200	U	200	350	ug/Kg
108-95-2	Phenol	88.9	U	88.9	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	89.7	U	89.7	180	ug/Kg
95-57-8	2-Chlorophenol	89.5	U	89.5	180	ug/Kg
95-48-7	2-Methylphenol	86.4	U	86.4	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	97.4	U	97.4	180	ug/Kg
98-86-2	Acetophenone	93.2	U	93.2	180	ug/Kg
65794-96-9	3+4-Methylphenols	85.5	U	85.5	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	43.2	U	43.2	85.8	ug/Kg
67-72-1	Hexachloroethane	89.0	U	89.0	180	ug/Kg
98-95-3	Nitrobenzene	97.3	U	97.3	180	ug/Kg
78-59-1	Isophorone	90.7	U	90.7	180	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	180	ug/Kg
105-67-9	2,4-Dimethylphenol	99.9	U	99.9	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	92.0	U	92.0	180	ug/Kg
120-83-2	2,4-Dichlorophenol	80.9	U	80.9	180	ug/Kg
91-20-3	Naphthalene	88.6	U	88.6	180	ug/Kg
106-47-8	4-Chloroaniline	88.6	UQ	88.6	180	ug/Kg
87-68-3	Hexachlorobutadiene	89.3	U	89.3	180	ug/Kg
105-60-2	Caprolactam	93.1	U	93.1	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	83.1	U	83.1	180	ug/Kg
91-57-6	2-Methylnaphthalene	88.4	U	88.4	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	170	UQ	170	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	76.5	U	76.5	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	79.3	U	79.3	180	ug/Kg
92-52-4	1,1-Biphenyl	93.7	U	93.7	180	ug/Kg
91-58-7	2-Chloronaphthalene	89.3	U	89.3	180	ug/Kg
88-74-4	2-Nitroaniline	100	U	100	180	ug/Kg
131-11-3	Dimethylphthalate	87.6	U	87.6	180	ug/Kg

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-6	SDG No.:	P4385
Lab Sample ID:	P4385-12	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139947.D	1	10/11/24 09:38	10/23/24 00:11	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	92.7	U	92.7	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	89.2	U	89.2	180	ug/Kg
99-09-2	3-Nitroaniline	95.6	UQ	95.6	180	ug/Kg
83-32-9	Acenaphthene	86.9	U	86.9	180	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	350	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	350	ug/Kg
132-64-9	Dibenzofuran	90.5	U	90.5	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	92.4	U	92.4	180	ug/Kg
84-66-2	Diethylphthalate	85.9	U	85.9	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	91.8	U	91.8	180	ug/Kg
86-73-7	Fluorene	91.7	U	91.7	180	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	UQ	130	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	87.5	U	87.5	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	84.6	U	84.6	180	ug/Kg
118-74-1	Hexachlorobenzene	91.1	U	91.1	180	ug/Kg
1912-24-9	Atrazine	98.0	U	98.0	180	ug/Kg
87-86-5	Pentachlorophenol	82.9	U	82.9	350	ug/Kg
85-01-8	Phenanthrene	90.1	U	90.1	180	ug/Kg
120-12-7	Anthracene	90.5	U	90.5	180	ug/Kg
86-74-8	Carbazole	86.1	U	86.1	180	ug/Kg
84-74-2	Di-n-butylphthalate	90.4	U	90.4	180	ug/Kg
206-44-0	Fluoranthene	87.6	U	87.6	180	ug/Kg
129-00-0	Pyrene	89.0	U	89.0	180	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	350	ug/Kg
56-55-3	Benzo(a)anthracene	86.5	U	86.5	180	ug/Kg
218-01-9	Chrysene	85.2	U	85.2	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	97.6	U	97.6	180	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	86.9	U	86.9	180	ug/Kg

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-6	SDG No.:	P4385
Lab Sample ID:	P4385-12	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139947.D	1	10/11/24 09:38	10/23/24 00:11	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	88.6	U	88.6	180	ug/Kg
50-32-8	Benzo(a)pyrene	99.7	U	99.7	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	83.7	U	83.7	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	87.1	U	87.1	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	85.9	U	85.9	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	93.1	U	93.1	180	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	80.1	U	80.1	180	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	94.3		30 (18) - 130 (112)	63%	SPK: 150
13127-88-3	Phenol-d6	86.4		30 (15) - 130 (107)	58%	SPK: 150
4165-60-0	Nitrobenzene-d5	73.5		30 (18) - 130 (107)	74%	SPK: 100
321-60-8	2-Fluorobiphenyl	80.8		30 (20) - 130 (109)	81%	SPK: 100
118-79-6	2,4,6-Tribromophenol	105		30 (10) - 130 (116)	70%	SPK: 150
1718-51-0	Terphenyl-d14	57.4		30 (10) - 130 (105)	57%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	114000	6.892
1146-65-2	Naphthalene-d8	384000	8.169
15067-26-2	Acenaphthene-d10	173000	9.927
1517-22-2	Phenanthrene-d10	309000	11.41
1719-03-5	Chrysene-d12	295000	14.051
1520-96-3	Perylene-d12	215000	15.527

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	2900	JB	2.18	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	210	AB	5.11	ug/Kg
000119-61-9	Benzophenone	130	J	10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	340	J	11.9	ug/Kg
018835-33-1	1-Hexacosene	280	J	13.9	ug/Kg
007683-64-9	Supraene	91.8	J	14.9	ug/Kg
000593-45-3	Octadecane	74.7	J	15.2	ug/Kg

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-6	SDG No.:	P4385
Lab Sample ID:	P4385-12	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139947.D	1	10/11/24 09:38	10/23/24 00:11	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000629-78-7	Heptadecane	82.2	J		16.0	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\BF102224\
Data File : BF139947.D
Acq On : 23 Oct 2024 00:11
Operator : RC/JU
Sample : P4385-12
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-6

Quant Time: Oct 23 01:15:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	114279	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	384129	20.000	ng	0.00
39) Acenaphthene-d10	9.927	164	173441	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	309030	20.000	ng	0.00
76) Chrysene-d12	14.051	240	295313	20.000	ng	0.00
86) Perylene-d12	15.527	264	215288	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	688420	94.305	ng	0.00
7) Phenol-d6	6.504	99	816896	86.402	ng	0.00
23) Nitrobenzene-d5	7.445	82	509749	73.549	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	170666	105.199	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	848203	80.824	ng	0.00
79) Terphenyl-d14	12.998	244	1040925	57.436	ng	0.00

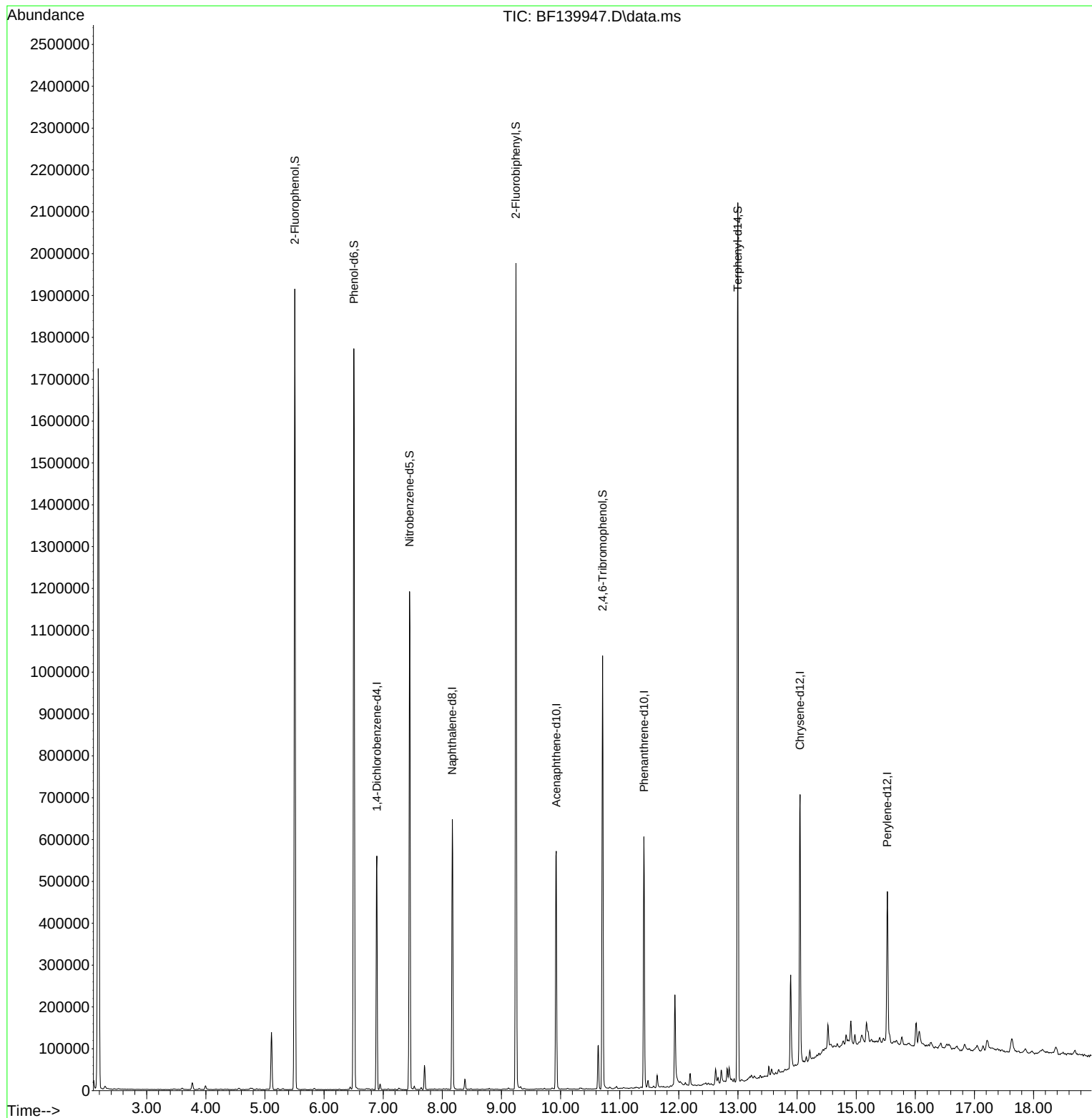
Target Compounds	Qvalue

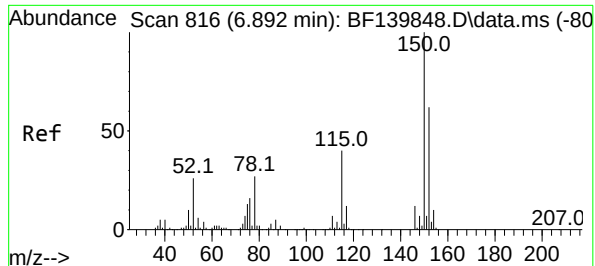
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139947.D
Acq On : 23 Oct 2024 00:11
Operator : RC/JU
Sample : P4385-12
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-6

Quant Time: Oct 23 01:15:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

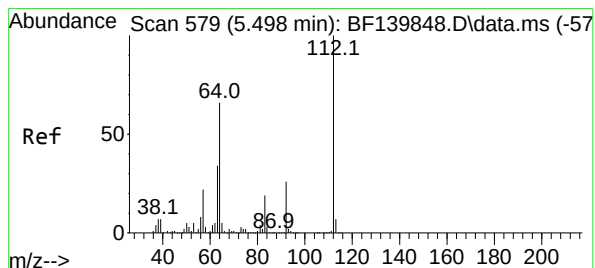
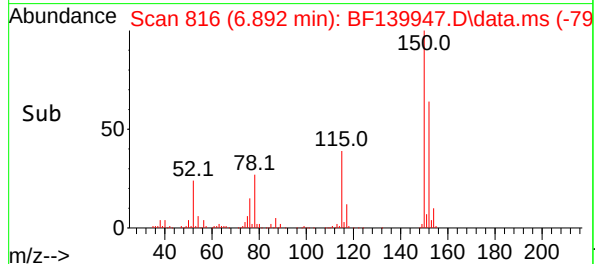
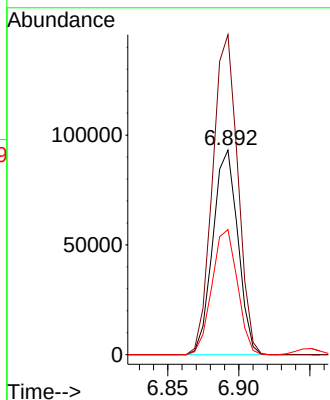
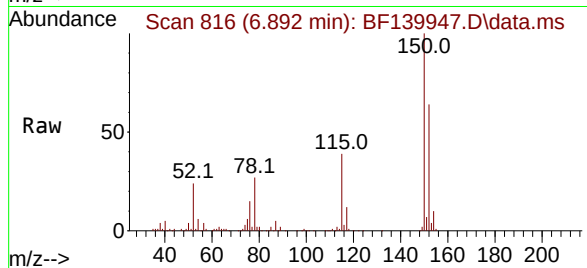




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 816
Delta R.T. 0.000 min
Lab File: BF139947.D
Acq: 23 Oct 2024 00:11

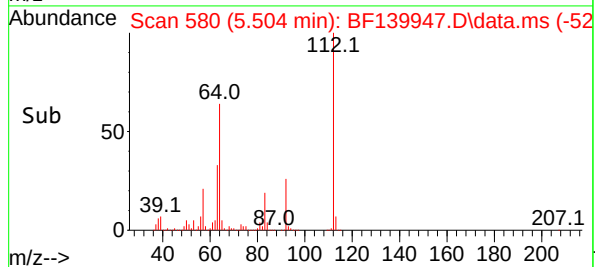
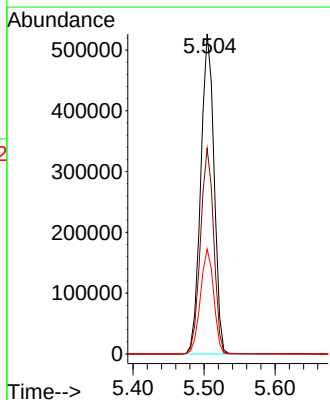
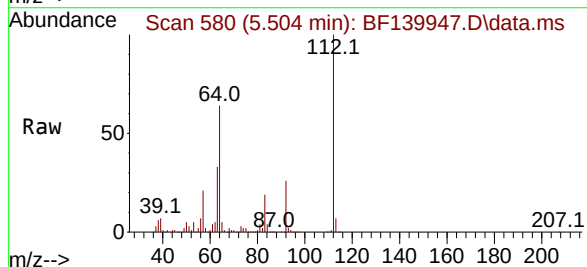
Instrument :
BNA_F
ClientSampleId :
SP-6

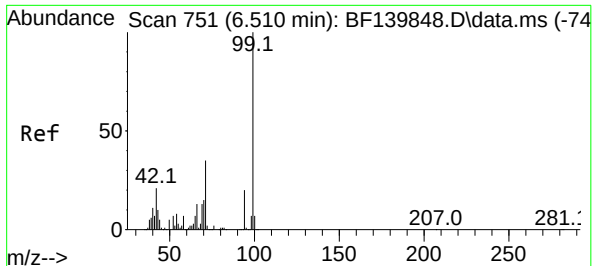
Tgt Ion:152 Resp: 114279
Ion Ratio Lower Upper
152 100
150 156.3 130.2 195.2
115 61.1 51.4 77.2



#5
2-Fluorophenol
Concen: 94.305 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF139947.D
Acq: 23 Oct 2024 00:11

Tgt Ion:112 Resp: 688420
Ion Ratio Lower Upper
112 100
64 64.2 53.0 79.6
63 32.8 27.0 40.4

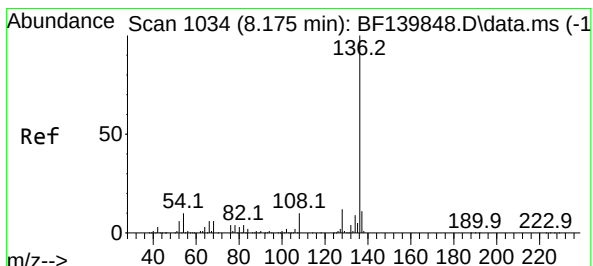
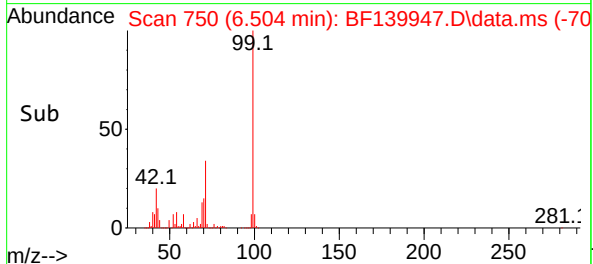
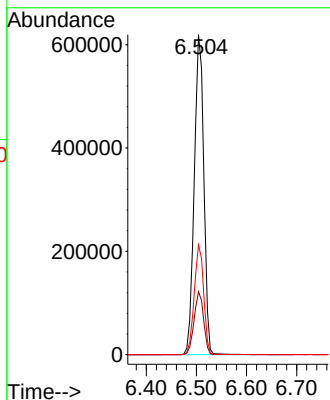
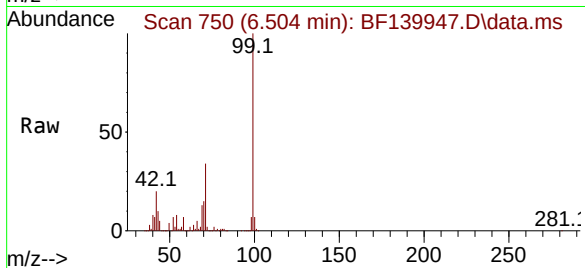




#7
Phenol-d6
Concen: 86.402 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF139947.D
Acq: 23 Oct 2024 00:11

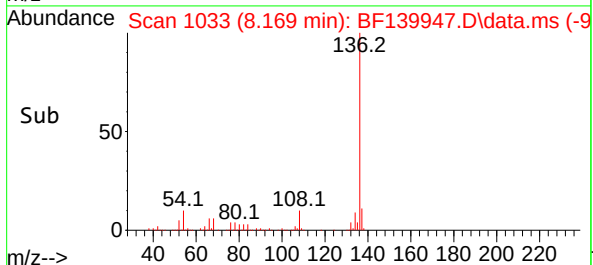
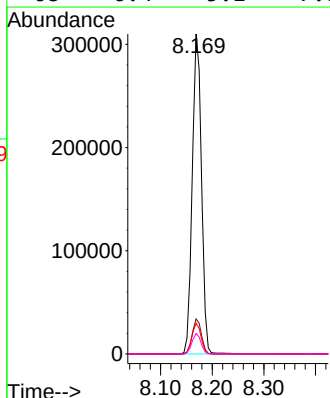
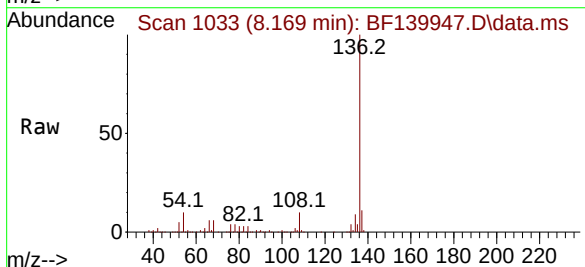
Instrument :
BNA_F
ClientSampleId :
SP-6

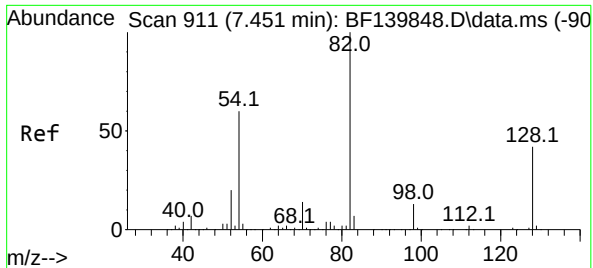
Tgt Ion:	99	Resp:	816896
Ion	Ratio	Lower	Upper
99	100		
42	19.7	16.7	25.1
71	34.3	27.7	41.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF139947.D
Acq: 23 Oct 2024 00:11

Tgt Ion:	136	Resp:	384129
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	12.8
54	9.6	8.4	12.6
68	6.4	5.1	7.7





#23

Nitrobenzene-d5

Concen: 73.549 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF139947.D

Acq: 23 Oct 2024 00:11

Instrument :

BNA_F

ClientSampleId :

SP-6

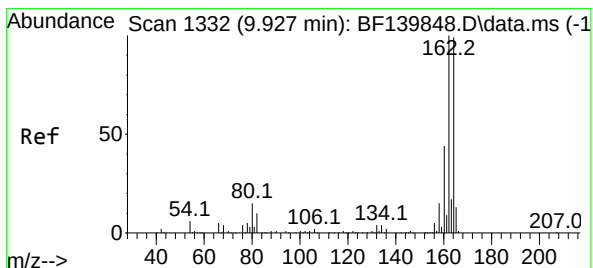
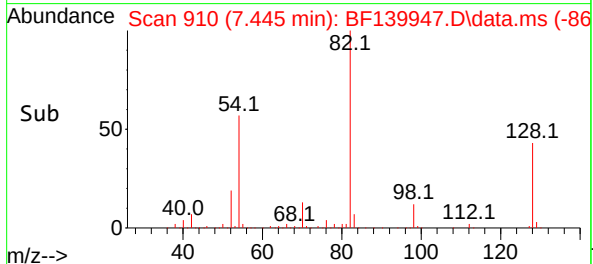
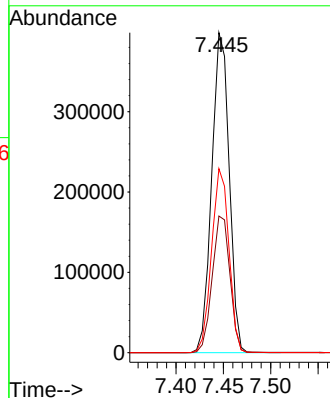
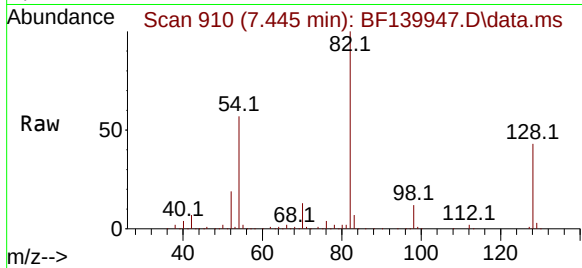
Tgt Ion: 82 Resp: 509749

Ion Ratio Lower Upper

82 100

128 42.7 33.4 50.0

54 57.5 47.8 71.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.927 min Scan# 1332

Delta R.T. 0.000 min

Lab File: BF139947.D

Acq: 23 Oct 2024 00:11

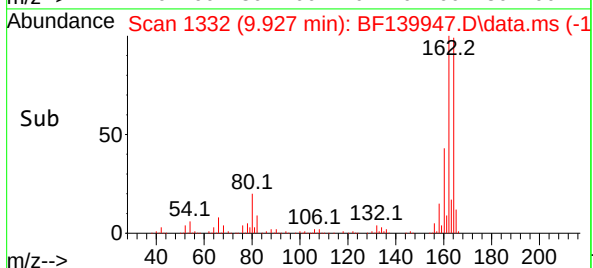
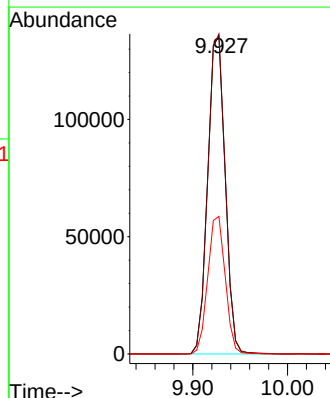
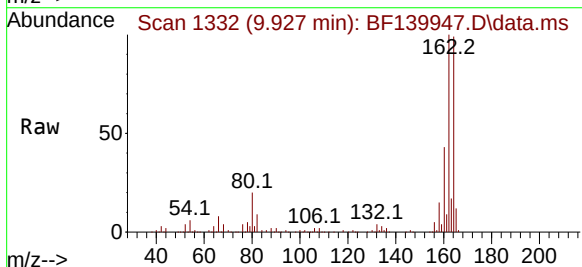
Tgt Ion:164 Resp: 173441

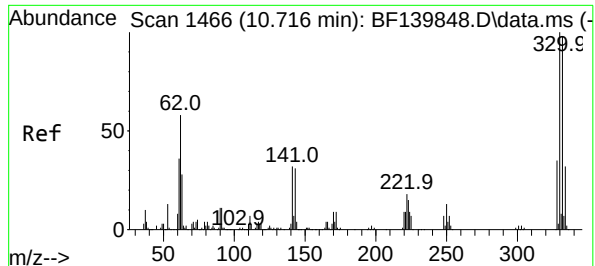
Ion Ratio Lower Upper

164 100

162 100.8 81.0 121.4

160 43.4 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 105.199 ng

RT: 10.710 min Scan# 1466

Delta R.T. -0.006 min

Lab File: BF139947.D

Acq: 23 Oct 2024 00:11

Instrument :

BNA_F

ClientSampleId :

SP-6

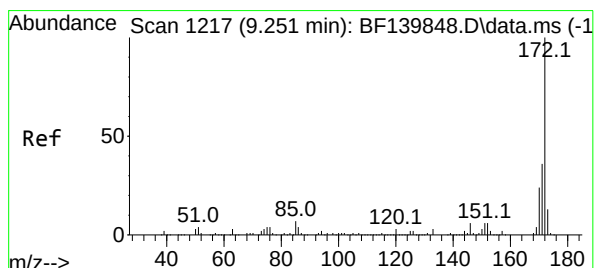
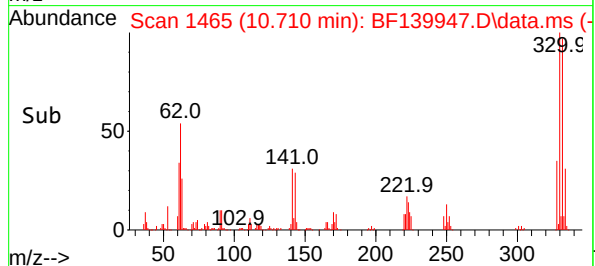
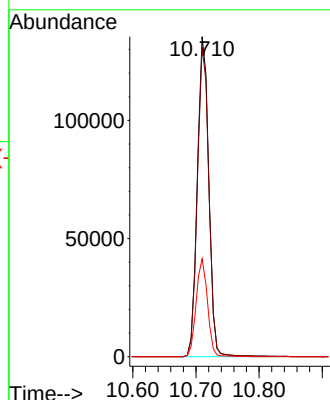
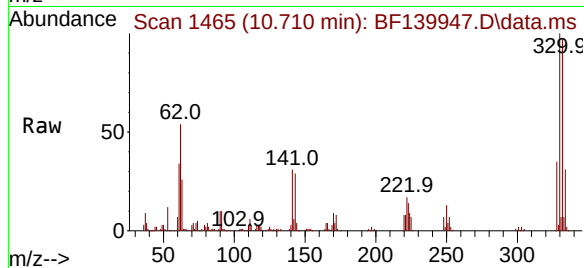
Tgt Ion:330 Resp: 170666

Ion Ratio Lower Upper

330 100

332 97.2 78.1 117.1

141 30.3 26.6 39.8



#45

2-Fluorobiphenyl

Concen: 80.824 ng

RT: 9.245 min Scan# 1216

Delta R.T. -0.006 min

Lab File: BF139947.D

Acq: 23 Oct 2024 00:11

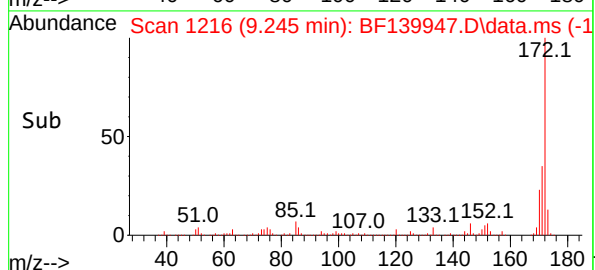
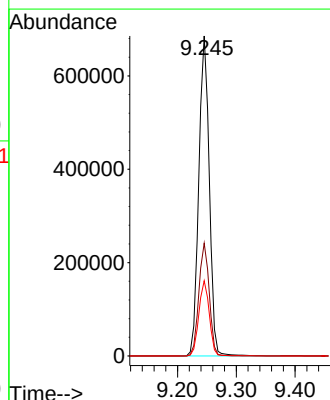
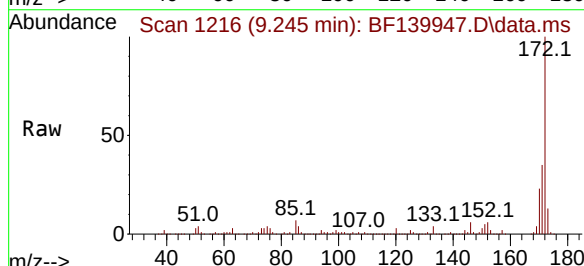
Tgt Ion:172 Resp: 848203

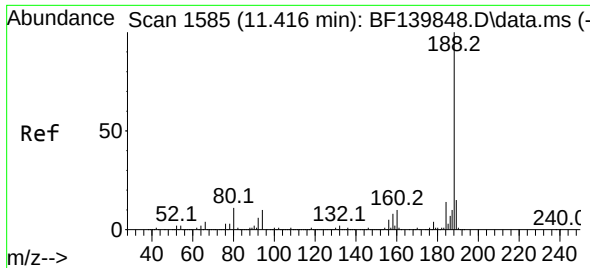
Ion Ratio Lower Upper

172 100

171 35.3 28.6 43.0

170 23.5 19.1 28.7

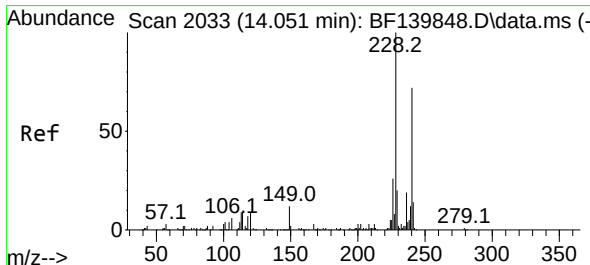
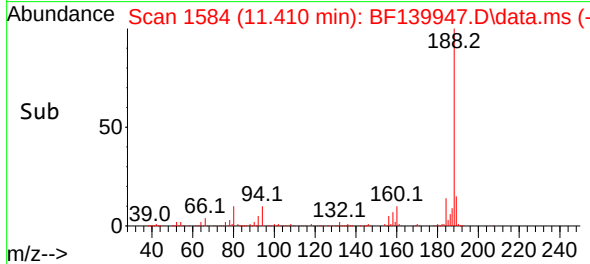
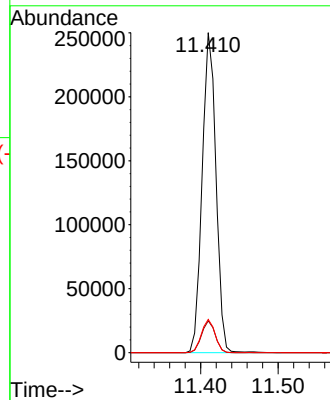
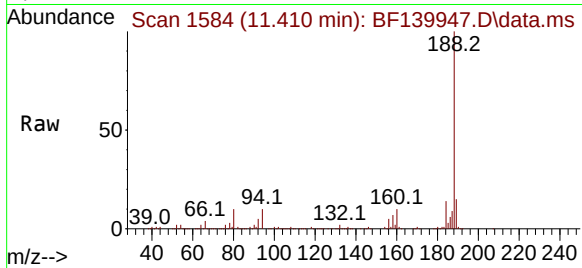




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139947.D
Acq: 23 Oct 2024 00:11

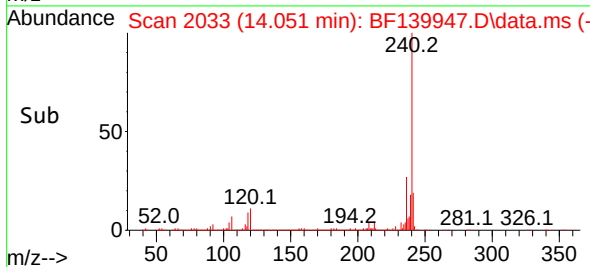
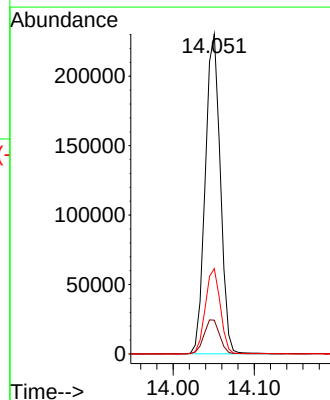
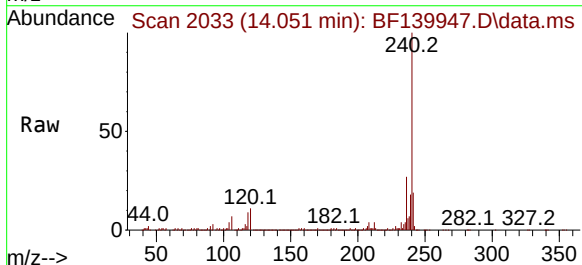
Instrument :
BNA_F
ClientSampleId :
SP-6

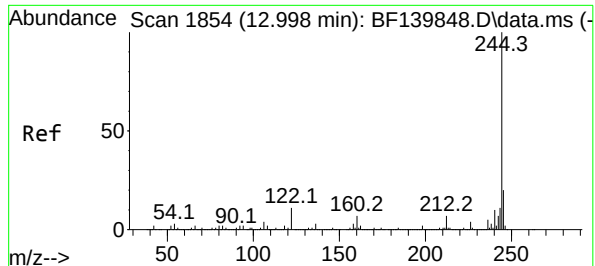
Tgt Ion:188 Resp: 309030
Ion Ratio Lower Upper
188 100
94 9.9 7.9 11.9
80 10.4 9.0 13.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF139947.D
Acq: 23 Oct 2024 00:11

Tgt Ion:240 Resp: 295313
Ion Ratio Lower Upper
240 100
120 10.6 9.4 14.2
236 26.6 20.9 31.3





#79

Terphenyl-d14

Concen: 57.436 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.000 min

Lab File: BF139947.D

Acq: 23 Oct 2024 00:11

Instrument :

BNA_F

ClientSampleId :

SP-6

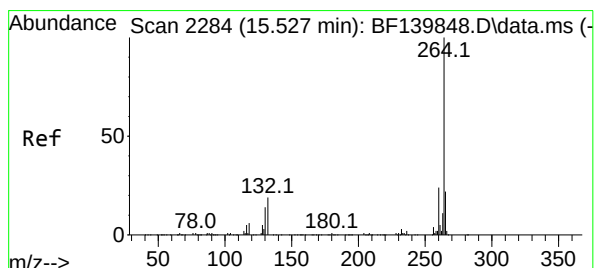
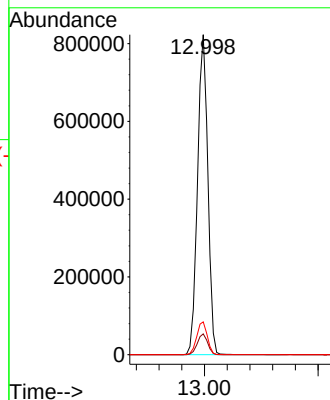
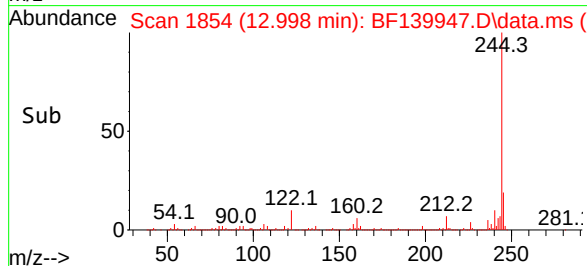
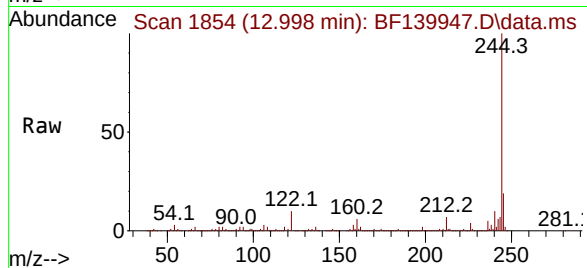
Tgt Ion:244 Resp: 1040925

Ion Ratio Lower Upper

244 100

212 6.5 5.7 8.5

122 10.2 8.6 13.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 2284

Delta R.T. 0.000 min

Lab File: BF139947.D

Acq: 23 Oct 2024 00:11

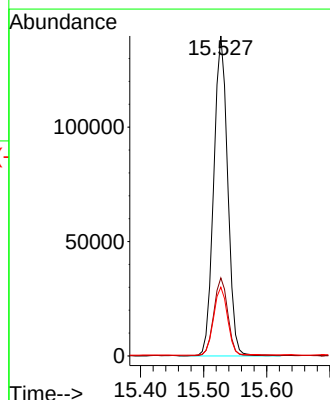
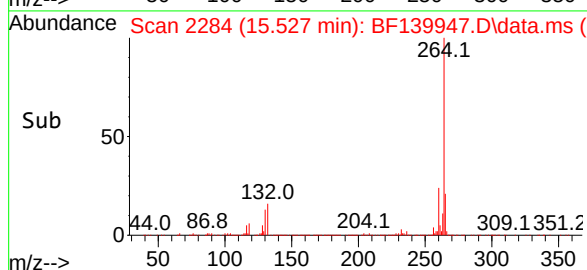
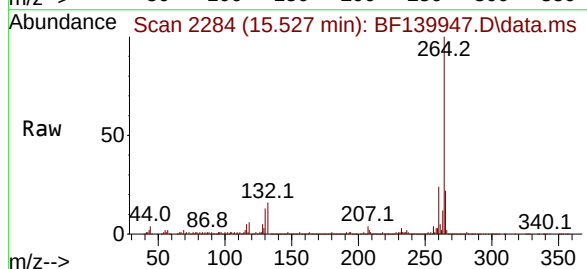
Tgt Ion:264 Resp: 215288

Ion Ratio Lower Upper

264 100

260 24.4 19.4 29.2

265 21.5 17.4 26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139947.D
Acq On : 23 Oct 2024 00:11
Operator : RC/JU
Sample : P4385-12
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-6

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-BF101824.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

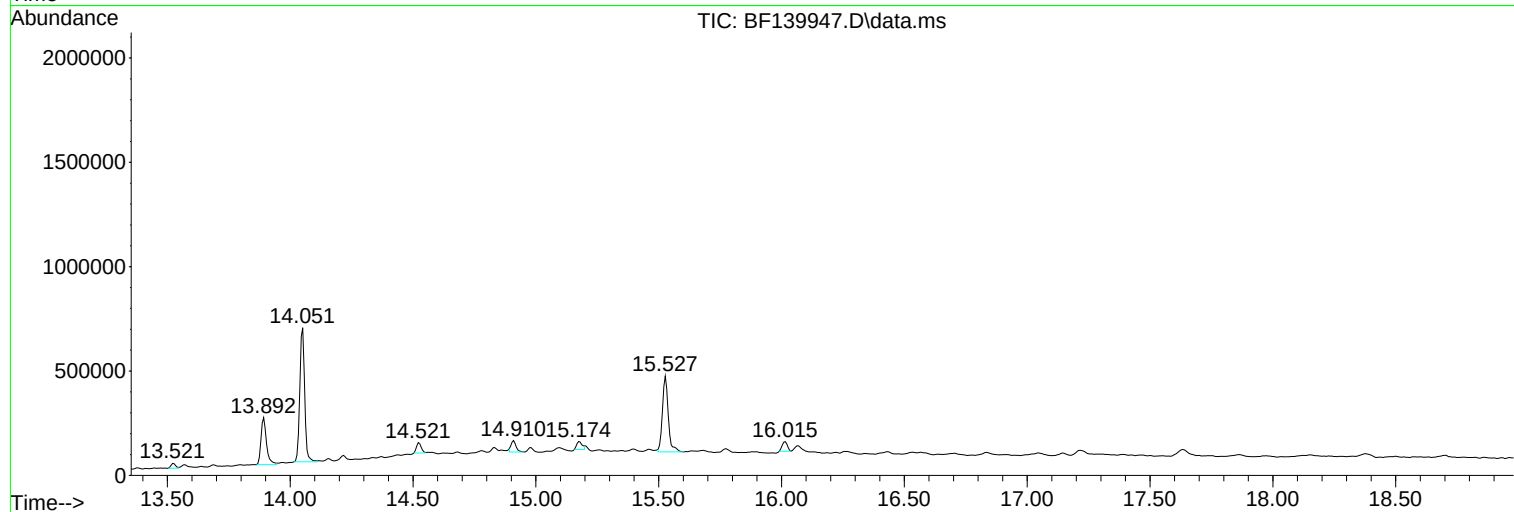
Signal : TIC: BF139947.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.181	7	15	23	rBV	1719411	2773067	100.00%	12.777%
2	5.110	505	513	520	rVB	137148	201921	7.28%	0.930%
3	5.504	574	580	585	rBV	1913105	2487515	89.70%	11.461%
4	6.504	744	750	756	rBV	1769366	2343231	84.50%	10.797%
5	6.892	811	816	821	rBV	558445	695181	25.07%	3.203%
6	7.445	904	910	915	rBV	1190318	1525922	55.03%	7.031%
7	7.698	949	953	958	rBV	58372	70625	2.55%	0.325%
8	8.169	1028	1033	1038	rBV	644941	794376	28.65%	3.660%
9	8.381	1064	1069	1077	rVB2	24662	34424	1.24%	0.159%
10	9.245	1210	1216	1221	rBV	1973421	2420207	87.28%	11.151%
11	9.927	1326	1332	1337	rBV	567642	728930	26.29%	3.359%
12	10.639	1448	1453	1460	rVB	103851	134819	4.86%	0.621%
13	10.710	1460	1465	1479	rBV	1035550	1302897	46.98%	6.003%
14	11.410	1579	1584	1591	rBV	599716	749053	27.01%	3.451%
15	11.633	1617	1622	1631	rBV2	29582	46050	1.66%	0.212%
16	11.933	1664	1673	1686	rBV	218550	354945	12.80%	1.635%
17	12.192	1712	1717	1722	rBV2	27979	37340	1.35%	0.172%
18	12.621	1785	1790	1794	rBV	37856	56690	2.04%	0.261%
19	12.716	1802	1806	1813	rBV3	30969	52449	1.89%	0.242%
20	12.816	1819	1823	1826	rBV	31636	42222	1.52%	0.195%
21	12.851	1826	1829	1834	rVB	29780	40352	1.46%	0.186%
22	12.998	1848	1854	1859	rBV	2099802	2677617	96.56%	12.337%
23	13.521	1940	1943	1947	rBV	23573	30993	1.12%	0.143%
24	13.892	2001	2006	2015	rBV	224800	349135	12.59%	1.609%
25	14.051	2027	2033	2043	rBV	642691	888194	32.03%	4.092%
26	14.521	2110	2113	2118	rBV2	49682	66894	2.41%	0.308%
27	14.910	2176	2179	2186	rVB	54625	76028	2.74%	0.350%
28	15.174	2221	2224	2228	rBV	38368	61849	2.23%	0.285%
29	15.527	2279	2284	2297	rVB	362741	592492	21.37%	2.730%
30	16.015	2363	2367	2371	rVB	45707	68009	2.45%	0.313%

Sum of corrected areas: 21703427

Instrument :
BNA_F
ClientSampleId :
SP-6

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139947.D
Acq On : 23 Oct 2024 00:11
Operator : RC/JU
Sample : P4385-12
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-6

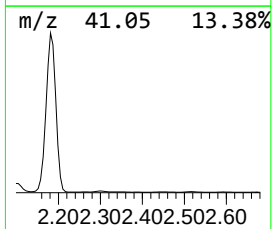
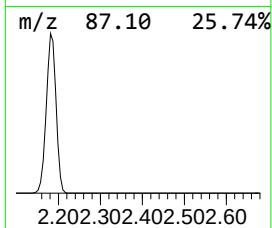
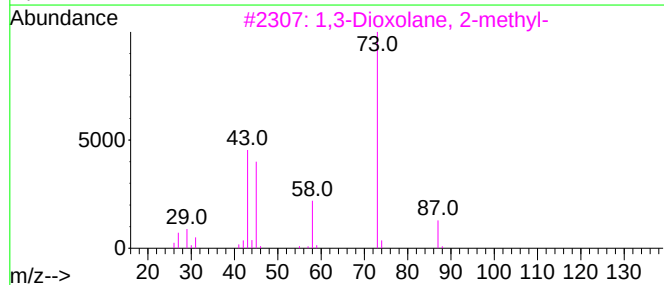
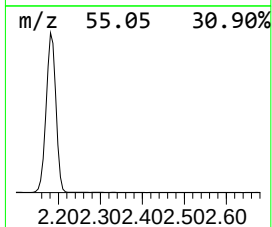
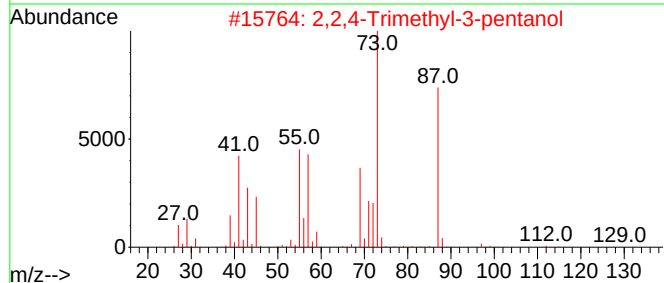
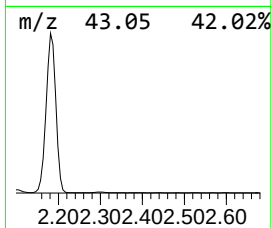
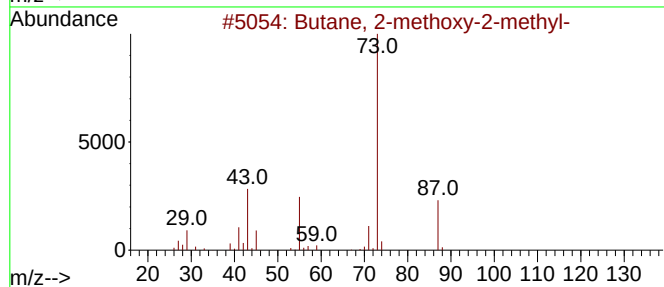
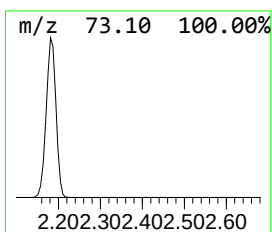
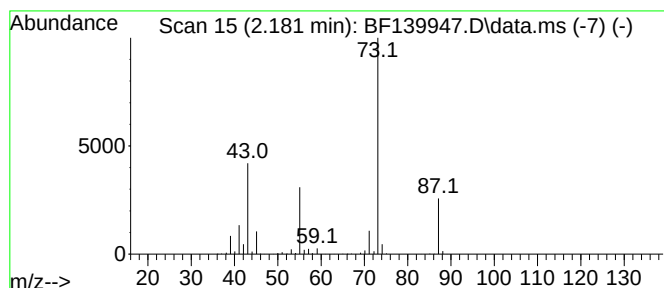
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.181	79.78 ng	2773070	1,4-Dichlorobenzene-d4	6.892

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3			1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
4			Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	17
5			Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139947.D
Acq On : 23 Oct 2024 00:11
Operator : RC/JU
Sample : P4385-12
Misc :
ALS Vial : 22 Sample Multiplier: 1

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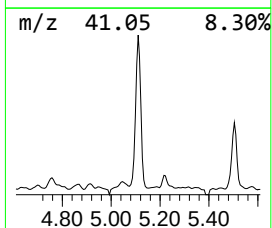
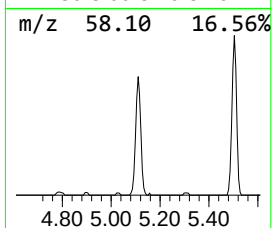
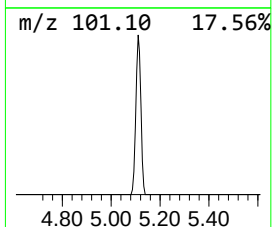
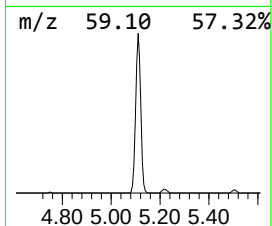
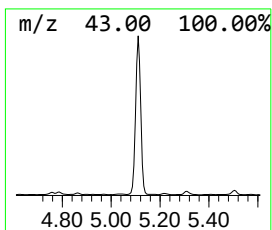
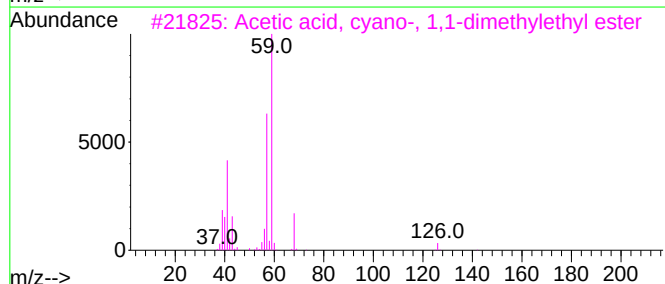
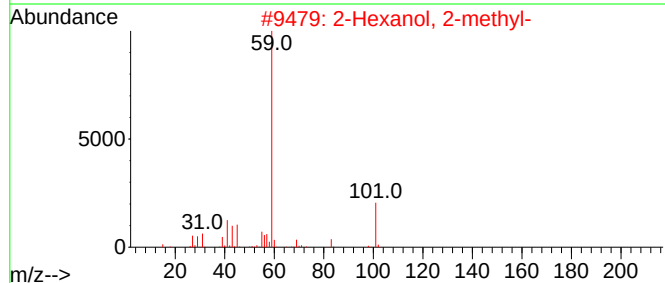
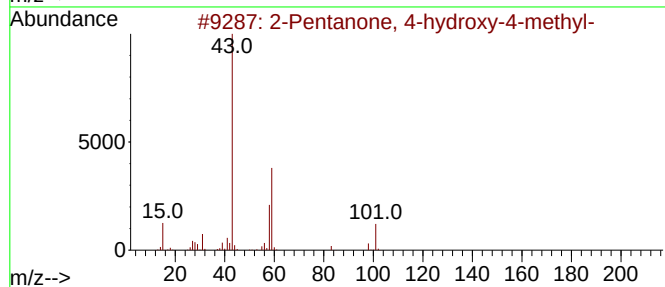
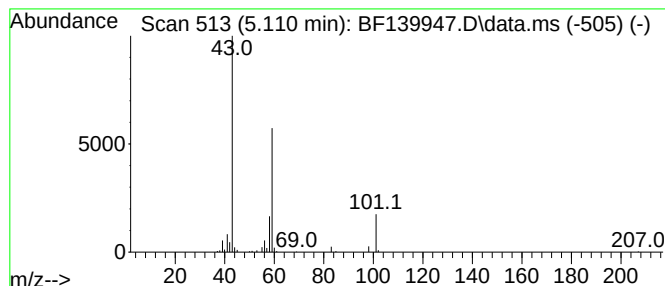
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.110	5.81 ng	201921	1,4-Dichlorobenzene-d4	6.892

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2			2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28
3			Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
4			1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12
5			2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139947.D
Acq On : 23 Oct 2024 00:11
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Sample : P4385-12
Misc :
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Instrument :
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ClientSampleId :
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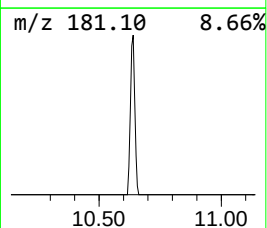
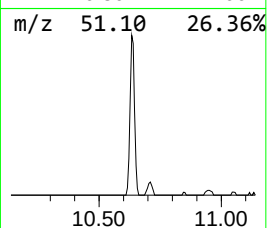
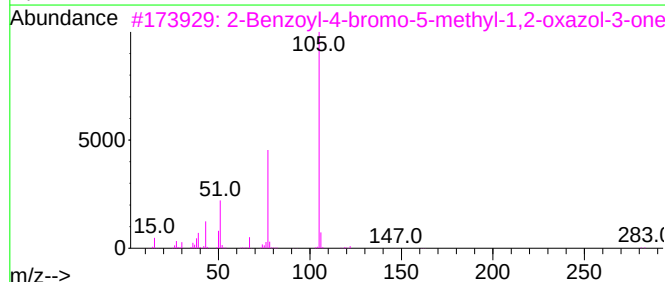
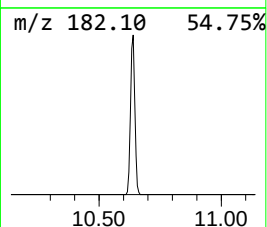
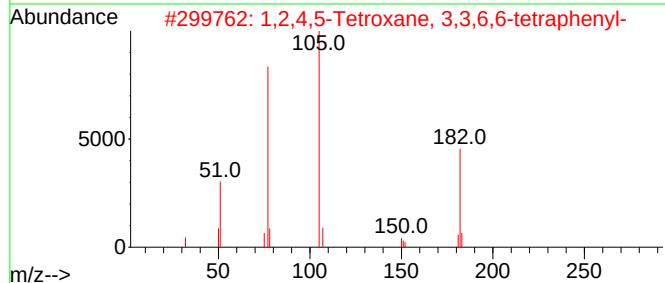
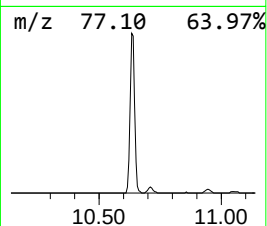
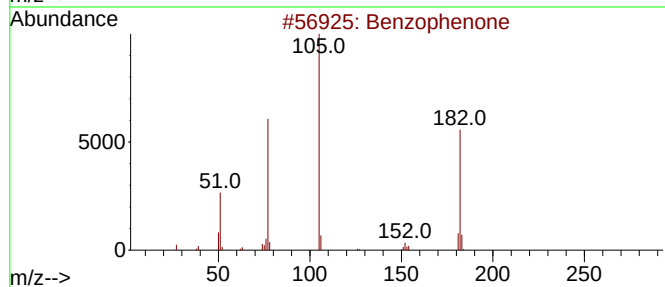
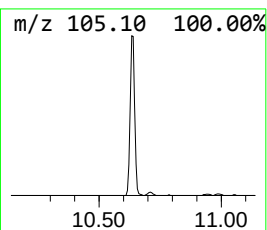
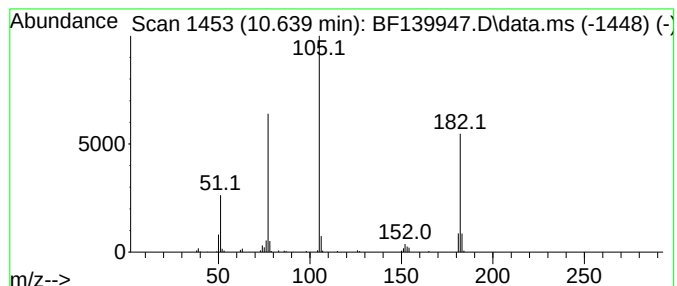
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Benzophenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.639	3.70 ng	134819	Acenaphthene-d10	9.927

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			1,2,4,5-Tetroxane, 3,3,6,6-tetra...	396	C26H20O4	016204-36-7	78
3			2-Benzoyl-4-bromo-5-methyl-1,2-o...	281	C11H8BrNO3	1000444-92-3	47
4			Benzenepropanenitrile, .beta.-oxo-	145	C9H7NO	000614-16-4	47
5			N-Methylbenzamide, N-chlorodiflu...	247	C10H8ClF2NO2	1000446-98-2	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139947.D
Acq On : 23 Oct 2024 00:11
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Sample : P4385-12
Misc :
ALS Vial : 22 Sample Multiplier: 1

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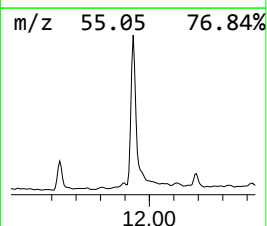
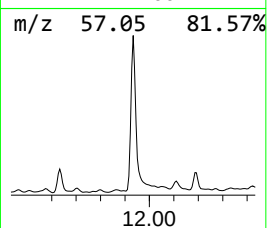
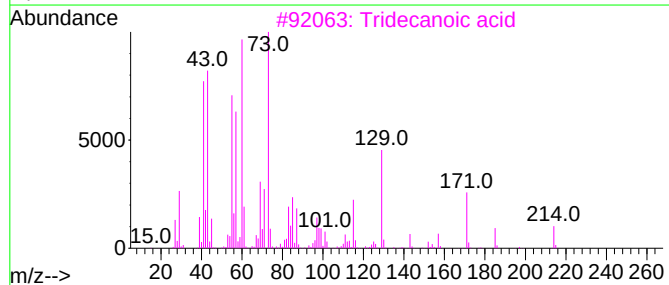
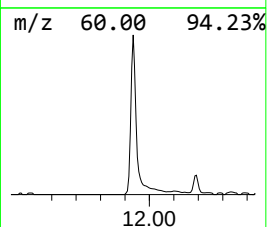
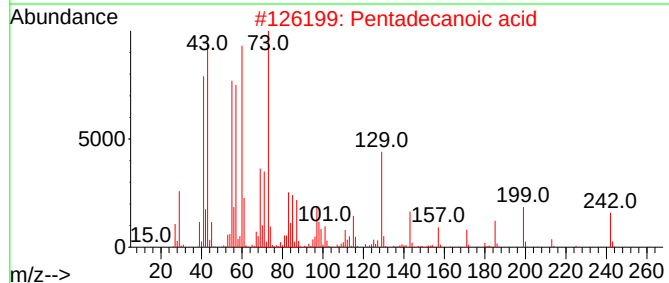
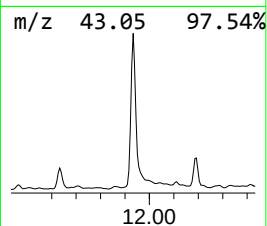
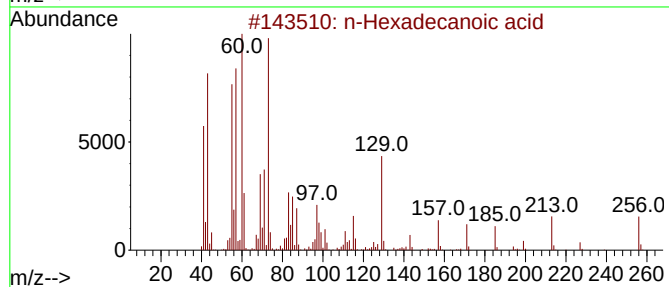
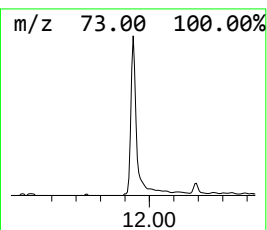
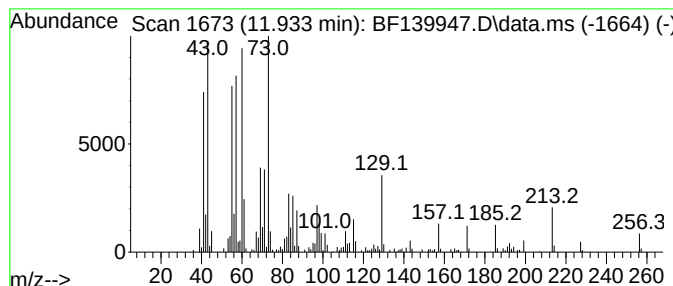
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.933	9.48 ng	354945	Phenanthrene-d10	11.410

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2			Pentadecanoic acid	242	C15H30O2	001002-84-2	93
3			Tridecanoic acid	214	C13H26O2	000638-53-9	89
4			Tetradecanoic acid	228	C14H28O2	000544-63-8	74
5			Octanoic acid	144	C8H16O2	000124-07-2	46



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139947.D
Acq On : 23 Oct 2024 00:11
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Sample : P4385-12
Misc :
ALS Vial : 22 Sample Multiplier: 1

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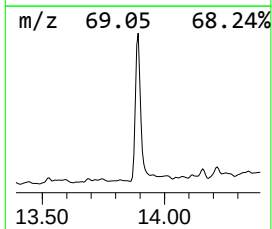
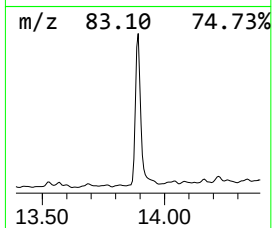
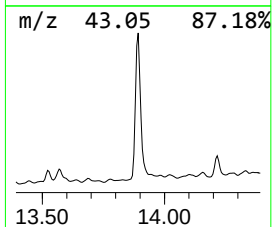
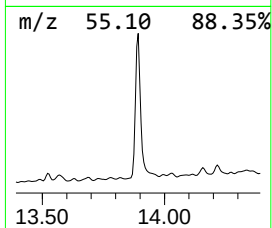
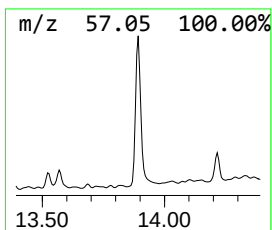
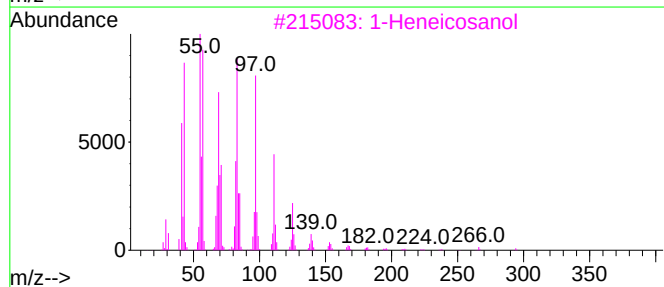
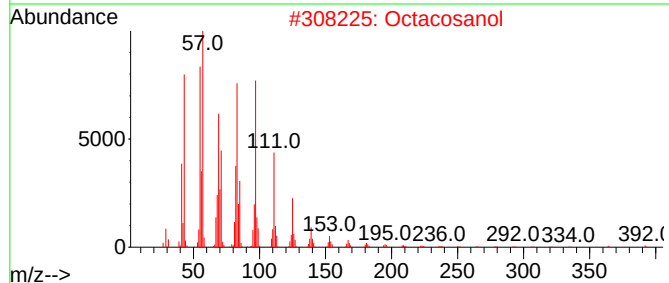
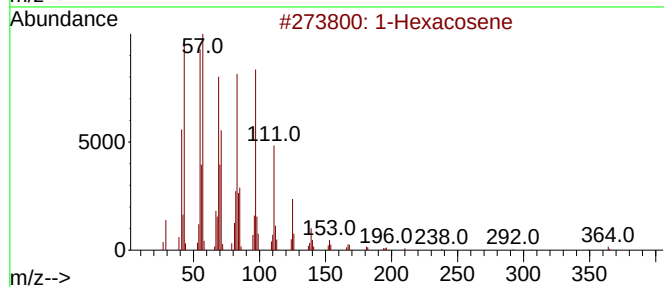
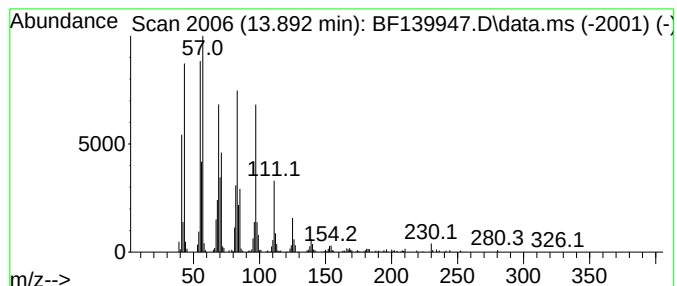
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 1-Hexacosene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.892	7.86 ng	349135	Chrysene-d12	14.051

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Hexacosene	364	C26H52	018835-33-1	94
2			Octacosanol	410	C28H58O	000557-61-9	94
3			1-Heneicosanol	312	C21H44O	015594-90-8	93
4			Cyclopentadecane	210	C15H30	000295-48-7	93
5			1-Docosene	308	C22H44	001599-67-3	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139947.D
Acq On : 23 Oct 2024 00:11
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Sample : P4385-12
Misc :
ALS Vial : 22 Sample Multiplier: 1

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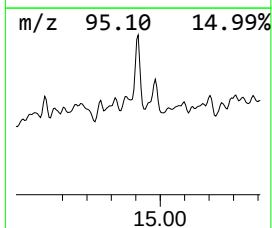
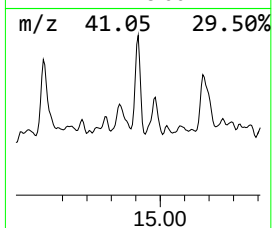
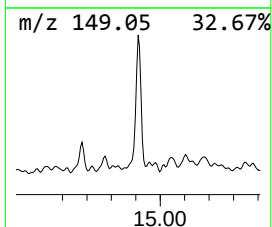
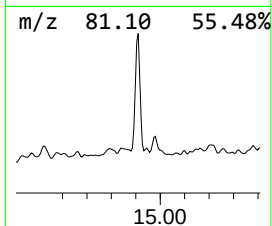
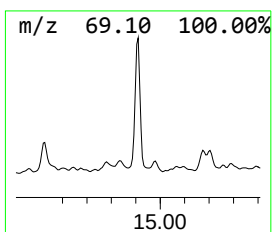
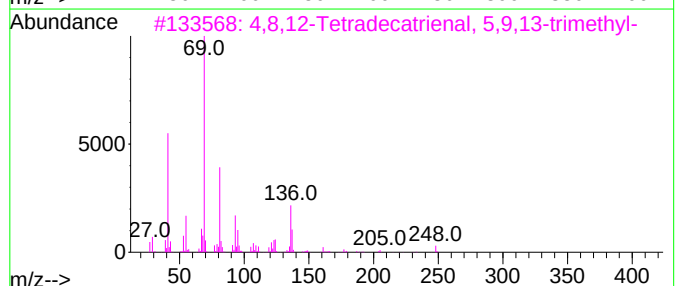
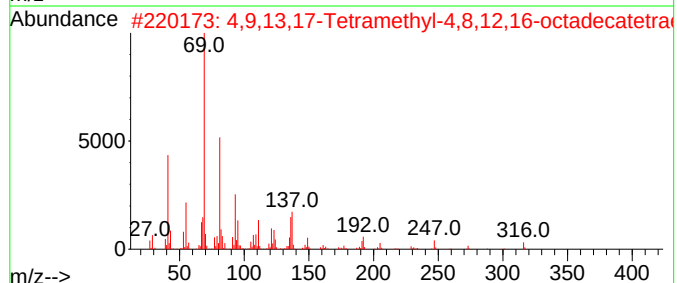
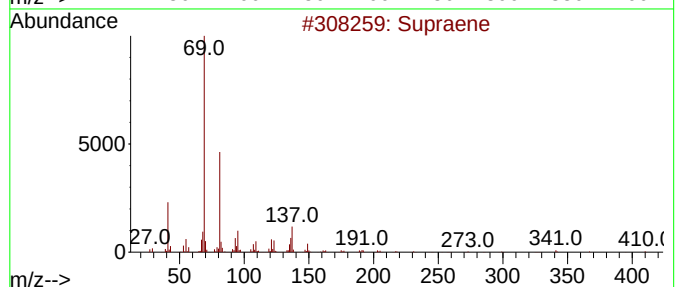
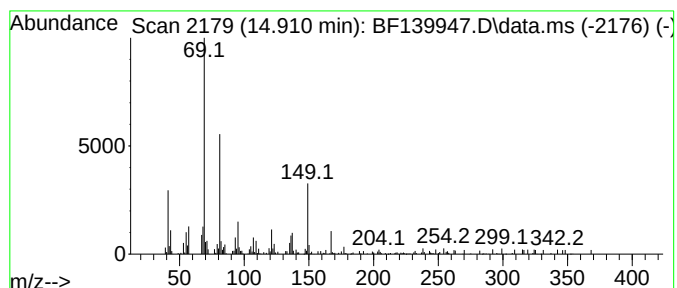
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Supraene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.910	2.57 ng	76028	Perylene-d12	15.527

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Supraene	410	C30H50	007683-64-9	62
2			4,9,13,17-Tetramethyl-4,8,12,16-...	316	C22H36O	056882-09-8	62
3			4,8,12-Tetradecatrienal, 5,9,13-...	248	C17H28O	066408-55-7	58
4			Umbelliprenin	366	C24H30O3	023838-17-7	53
5			(3E,7E)-4,8,12-Trimethyltrideca-...	218	C16H26	062235-06-7	52



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139947.D
Acq On : 23 Oct 2024 00:11
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Misc :
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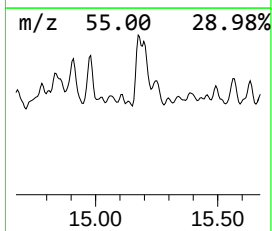
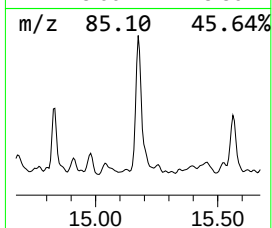
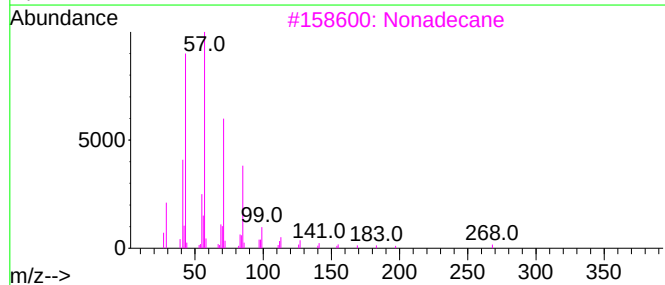
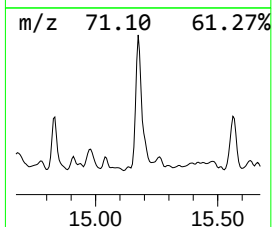
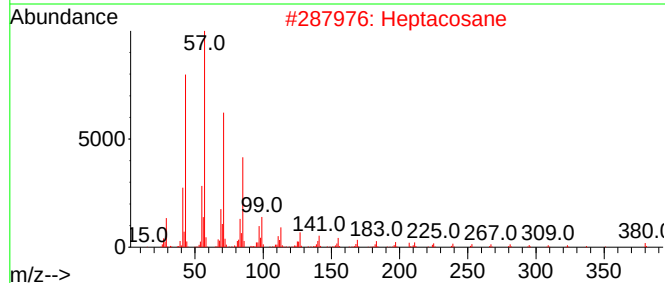
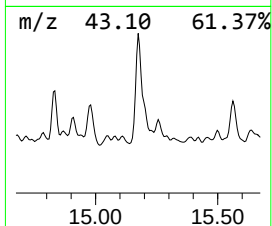
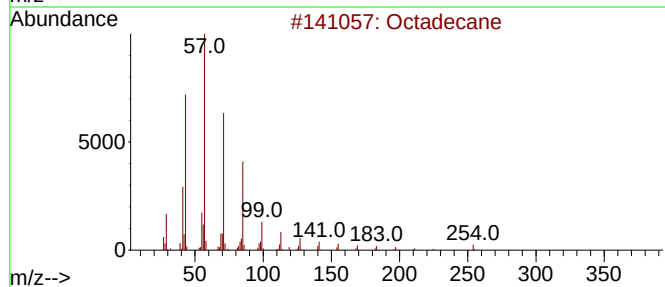
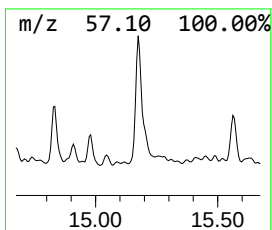
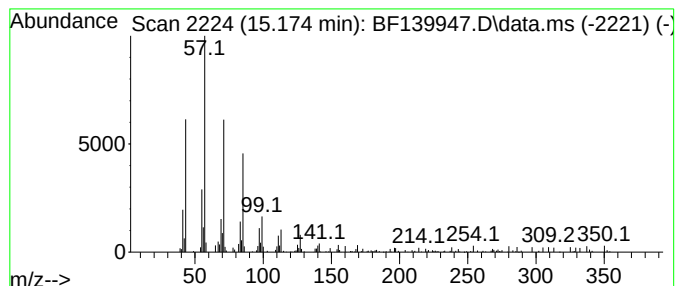
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Octadecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.174	2.09 ng	61849	Perylene-d12	15.527

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octadecane	254	C18H38	000593-45-3	97
2			Heptacosane	380	C27H56	000593-49-7	90
3			Nonadecane	268	C19H40	000629-92-5	90
4			Octacosane	394	C28H58	000630-02-4	87
5			Heneicosane	296	C21H44	000629-94-7	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139947.D
Acq On : 23 Oct 2024 00:11
Operator : RC/JU
Sample : P4385-12
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-6

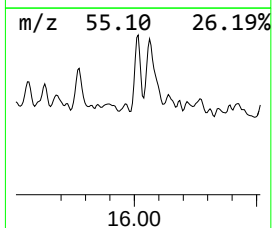
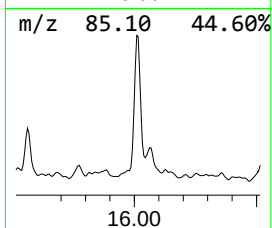
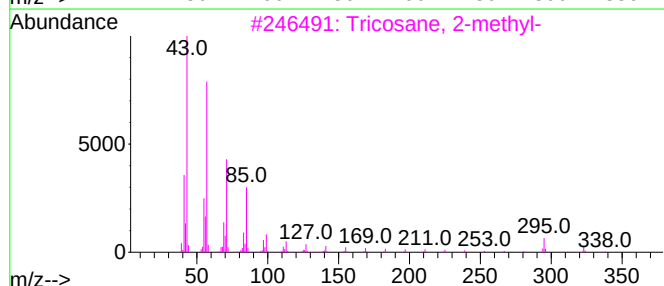
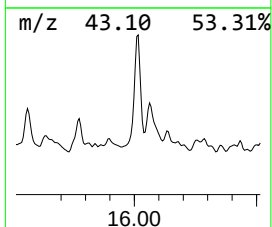
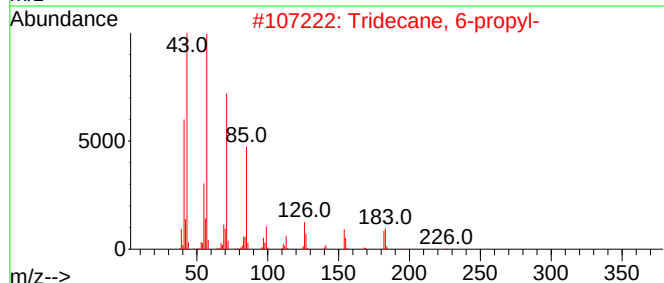
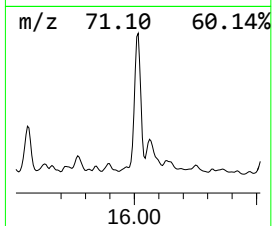
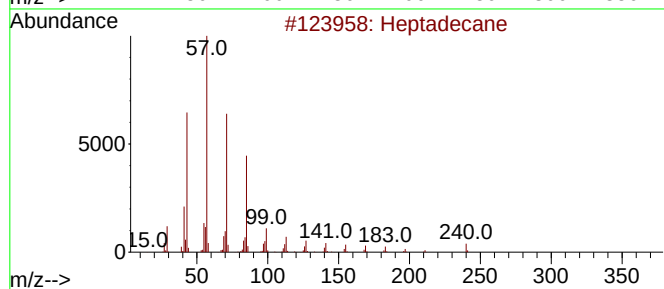
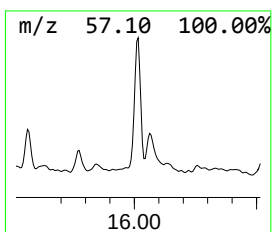
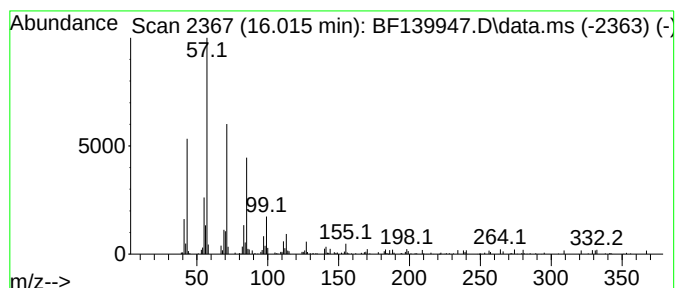
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Heptadecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.015	2.30 ng	68009	Perylene-d12	15.527

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptadecane	240	C17H36	000629-78-7	94
2		Tridecane, 6-propyl-	226	C16H34	055045-10-8	93
3		Tricosane, 2-methyl-	338	C24H50	001928-30-9	90
4		2-Bromo dodecane	248	C12H25Br	013187-99-0	90
5		Hexacosane	366	C26H54	000630-01-3	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139947.D
Acq On : 23 Oct 2024 00:11
Operator : RC/JU
Sample : P4385-12
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-6

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.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
Butane, 2-metho...	2.181	79.8	ng	2773070	1	6.892	695181	20.0
2-Pentanone, 4-...	5.110	5.8	ng	201921	1	6.892	695181	20.0
Benzophenone	10.639	3.7	ng	134819	3	9.927	728930	20.0
n-Hexadecanoic ...	11.933	9.5	ng	354945	4	11.410	749053	20.0
1-Hexacosene	13.892	7.9	ng	349135	5	14.051	888194	20.0
Supraene	14.910	2.6	ng	76028	6	15.527	592492	20.0
Octadecane	15.174	2.1	ng	61849	6	15.527	592492	20.0
Heptadecane	16.015	2.3	ng	68009	6	15.527	592492	20.0

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-7	SDG No.:	P4385
Lab Sample ID:	P4385-14	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.8
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		GPC Factor :	1.0
Prep Method :	SW3541	Level :	LOW
		GPC Cleanup :	N
		PH :	
		Test:	SVOC-TCL BNA -20
		Final Vol:	1000
			uL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139983.D	1	10/11/24 09:38	10/24/24 00:11	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	190	U	190	350	ug/Kg
108-95-2	Phenol	88.2	U	88.2	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	89.1	U	89.1	180	ug/Kg
95-57-8	2-Chlorophenol	88.8	U	88.8	180	ug/Kg
95-48-7	2-Methylphenol	85.8	U	85.8	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	96.7	U	96.7	180	ug/Kg
98-86-2	Acetophenone	92.5	U	92.5	180	ug/Kg
65794-96-9	3+4-Methylphenols	84.9	U	84.9	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	42.9	U	42.9	85.1	ug/Kg
67-72-1	Hexachloroethane	88.3	U	88.3	180	ug/Kg
98-95-3	Nitrobenzene	96.6	U	96.6	180	ug/Kg
78-59-1	Isophorone	90.0	U	90.0	180	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	180	ug/Kg
105-67-9	2,4-Dimethylphenol	99.2	U	99.2	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	91.3	U	91.3	180	ug/Kg
120-83-2	2,4-Dichlorophenol	80.3	U	80.3	180	ug/Kg
91-20-3	Naphthalene	87.9	U	87.9	180	ug/Kg
106-47-8	4-Chloroaniline	87.9	UQ	87.9	180	ug/Kg
87-68-3	Hexachlorobutadiene	88.6	U	88.6	180	ug/Kg
105-60-2	Caprolactam	92.4	U	92.4	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	82.5	U	82.5	180	ug/Kg
91-57-6	2-Methylnaphthalene	87.8	U	87.8	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	170	UQ	170	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	76.0	U	76.0	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	78.7	U	78.7	180	ug/Kg
92-52-4	1,1-Biphenyl	93.0	U	93.0	180	ug/Kg
91-58-7	2-Chloronaphthalene	88.6	U	88.6	180	ug/Kg
88-74-4	2-Nitroaniline	100	U	100	180	ug/Kg
131-11-3	Dimethylphthalate	86.9	U	86.9	180	ug/Kg

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-7	SDG No.:	P4385
Lab Sample ID:	P4385-14	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.8
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139983.D	1	10/11/24 09:38	10/24/24 00:11	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	92.0	U	92.0	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	88.5	U	88.5	180	ug/Kg
99-09-2	3-Nitroaniline	94.9	UQ	94.9	180	ug/Kg
83-32-9	Acenaphthene	86.3	U	86.3	180	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	350	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	350	ug/Kg
132-64-9	Dibenzofuran	89.8	U	89.8	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	91.7	U	91.7	180	ug/Kg
84-66-2	Diethylphthalate	85.2	U	85.2	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	91.1	U	91.1	180	ug/Kg
86-73-7	Fluorene	91.0	U	91.0	180	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	UQ	120	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	86.8	U	86.8	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	83.9	U	83.9	180	ug/Kg
118-74-1	Hexachlorobenzene	90.4	U	90.4	180	ug/Kg
1912-24-9	Atrazine	97.2	U	97.2	180	ug/Kg
87-86-5	Pentachlorophenol	82.2	U	82.2	350	ug/Kg
85-01-8	Phenanthrene	89.4	U	89.4	180	ug/Kg
120-12-7	Anthracene	89.8	U	89.8	180	ug/Kg
86-74-8	Carbazole	85.4	U	85.4	180	ug/Kg
84-74-2	Di-n-butylphthalate	89.7	U	89.7	180	ug/Kg
206-44-0	Fluoranthene	89.1	J	86.9	180	ug/Kg
129-00-0	Pyrene	88.3	U	88.3	180	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	100	U	100	350	ug/Kg
56-55-3	Benzo(a)anthracene	85.9	U	85.9	180	ug/Kg
218-01-9	Chrysene	84.6	U	84.6	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	96.8	U	96.8	180	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	86.3	U	86.3	180	ug/Kg

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-7	SDG No.:	P4385
Lab Sample ID:	P4385-14	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.8
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	SVOC-TCL BNA -20
	Decanted :	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
BF139983.D	1	10/11/24 09:38	10/24/24 00:11	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	87.9	U	87.9	180	ug/Kg
50-32-8	Benzo(a)pyrene	98.9	U	98.9	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	83.1	U	83.1	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	86.4	U	86.4	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	85.2	U	85.2	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	92.4	U	92.4	180	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	79.5	U	79.5	180	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	85.3		30 (18) - 130 (112)	57%	SPK: 150
13127-88-3	Phenol-d6	80.0		30 (15) - 130 (107)	53%	SPK: 150
4165-60-0	Nitrobenzene-d5	63.5		30 (18) - 130 (107)	63%	SPK: 100
321-60-8	2-Fluorobiphenyl	70.6		30 (20) - 130 (109)	71%	SPK: 100
118-79-6	2,4,6-Tribromophenol	82.2		30 (10) - 130 (116)	55%	SPK: 150
1718-51-0	Terphenyl-d14	47.9		30 (10) - 130 (105)	48%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	124000	6.893
1146-65-2	Naphthalene-d8	443000	8.169
15067-26-2	Acenaphthene-d10	205000	9.922
1517-22-2	Phenanthrene-d10	329000	11.41
1719-03-5	Chrysene-d12	309000	14.051
1520-96-3	Perylene-d12	243000	15.527

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	2100	JB	2.19	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	160	AB	5.11	ug/Kg
000119-61-9	Benzophenone	110	J	10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	440	J	11.9	ug/Kg
000057-11-4	Octadecanoic acid	100	J	12.7	ug/Kg
000295-48-7	Cyclopentadecane	200	J	13.9	ug/Kg
000629-99-2	Pentacosane	330	J	15.2	ug/Kg

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-7	SDG No.:	P4385
Lab Sample ID:	P4385-14	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.8
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	SVOC-TCL BNA -20
	Decanted :	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
BF139983.D	1	10/11/24 09:38	10/24/24 00:11	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
067860-04-2	Oxirane, heptadecyl-	250	J		15.8	ug/Kg
000629-94-7	Heneicosane	290	J		16.0	ug/Kg
007390-81-0	Oxirane, hexadecyl-	360	J		16.8	ug/Kg
000465-02-1	Germanicol	1200	J		17.4	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\BF102324\
Data File : BF139983.D
Acq On : 24 Oct 2024 00:11
Operator : RC/JU
Sample : P4385-14
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-7

Quant Time: Oct 24 01:14:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

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

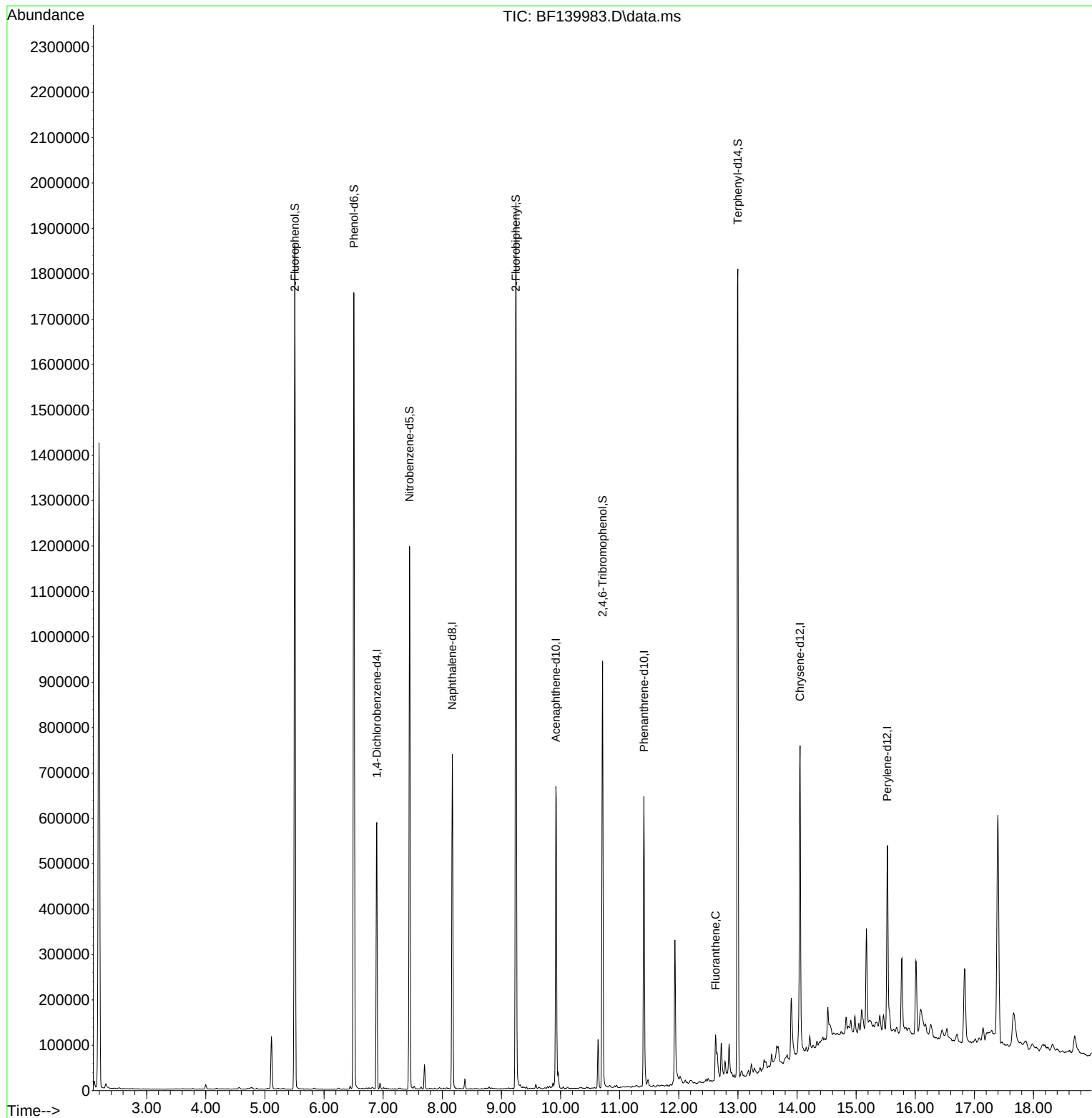
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	123541	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	443226	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	204877	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	329287	20.000	ng	0.00
76) Chrysene-d12	14.051	240	309239	20.000	ng	0.00
86) Perylene-d12	15.527	264	243467	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	672806	85.257	ng	0.00
7) Phenol-d6	6.504	99	817192	79.954	ng	0.00
23) Nitrobenzene-d5	7.445	82	507754	63.493	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	157566	82.222	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	875016	70.586	ng	0.00
79) Terphenyl-d14	12.998	244	909509	47.925	ng	0.00
Target Compounds						Qvalue
75) Fluoranthene	12.622	202	39498	2.512	ng	98

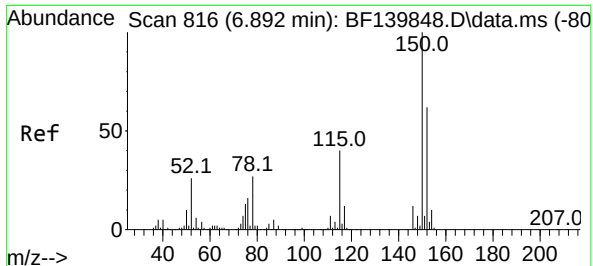
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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
Data File : BF139983.D
Acq On : 24 Oct 2024 00:11
Operator : RC/JU
Sample : P4385-14
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-7

Quant Time: Oct 24 01:14:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

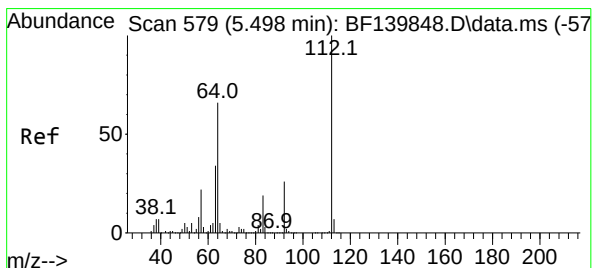
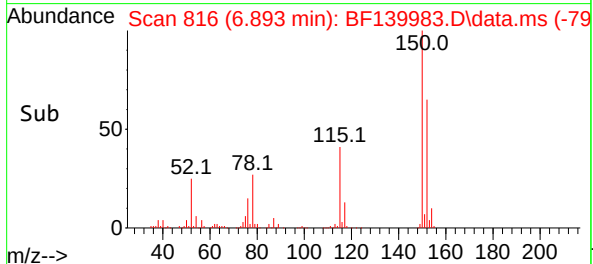
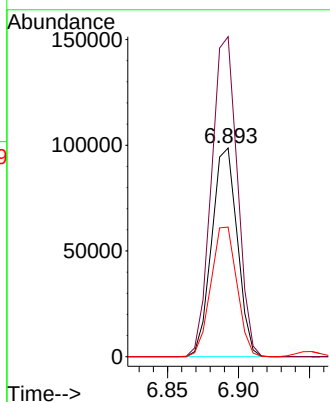
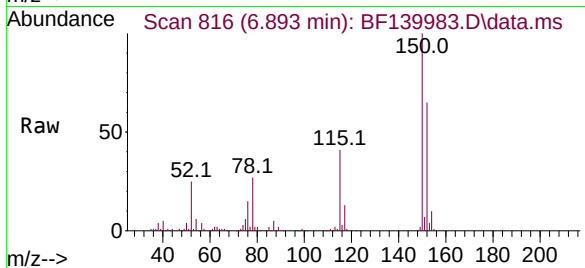




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 816
Delta R.T. 0.001 min
Lab File: BF139983.D
Acq: 24 Oct 2024 00:11

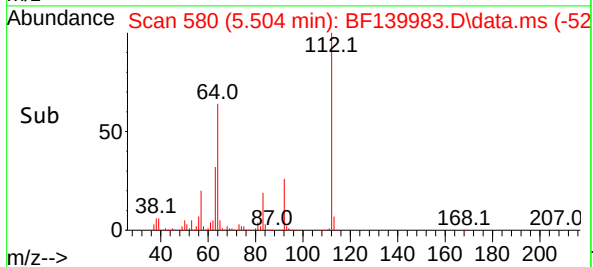
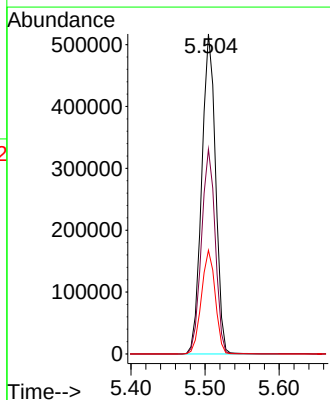
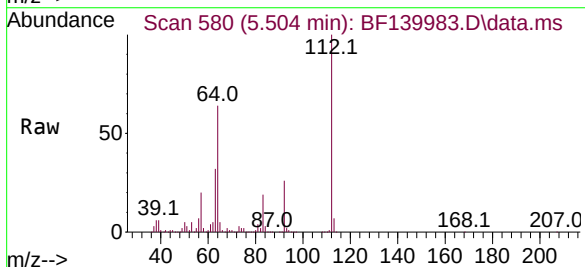
Instrument :
BNA_F
ClientSampleId :
SP-7

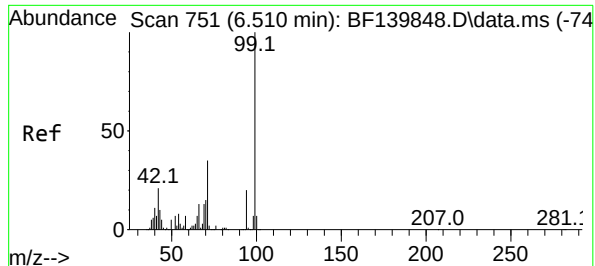
Tgt Ion:152 Resp: 123541
Ion Ratio Lower Upper
152 100
150 153.4 130.2 195.2
115 62.2 51.4 77.2



#5
2-Fluorophenol
Concen: 85.257 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF139983.D
Acq: 24 Oct 2024 00:11

Tgt Ion:112 Resp: 672806
Ion Ratio Lower Upper
112 100
64 64.0 53.0 79.6
63 32.4 27.0 40.4

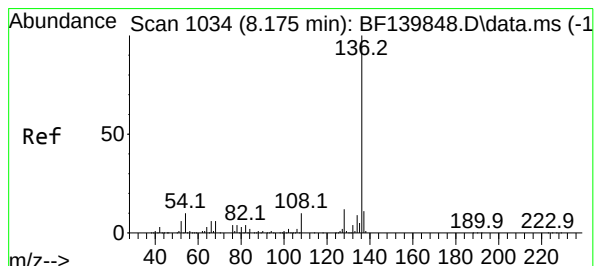
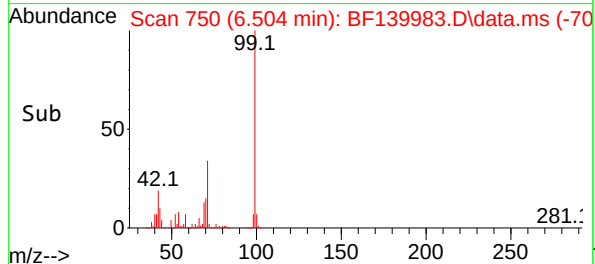
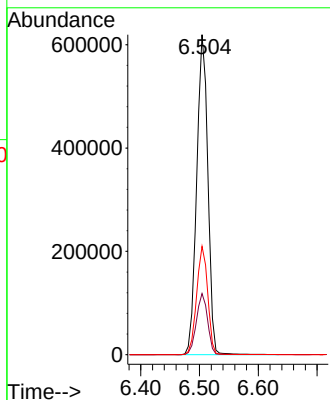
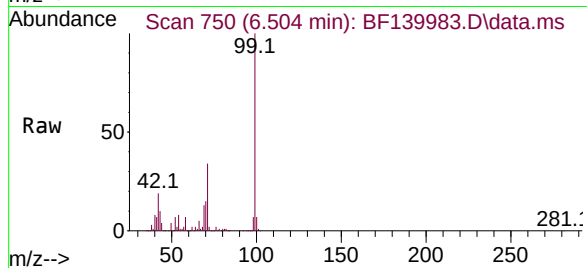




#7
Phenol-d6
Concen: 79.954 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF139983.D
Acq: 24 Oct 2024 00:11

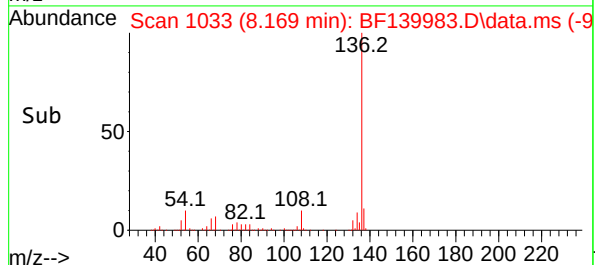
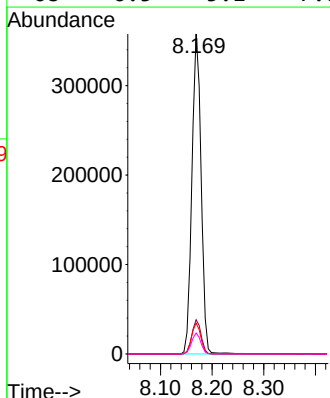
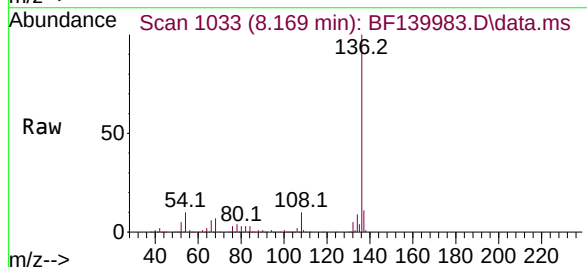
Instrument :
BNA_F
ClientSampleId :
SP-7

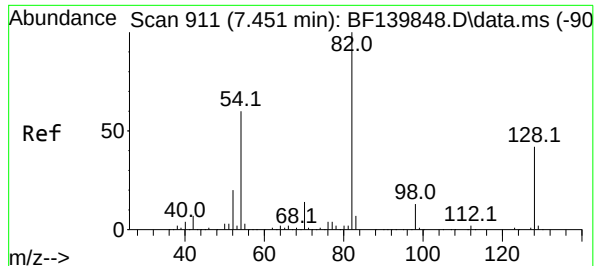
Tgt Ion: 99 Resp: 817192
Ion Ratio Lower Upper
99 100
42 19.1 16.7 25.1
71 33.8 27.7 41.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF139983.D
Acq: 24 Oct 2024 00:11

Tgt Ion: 136 Resp: 443226
Ion Ratio Lower Upper
136 100
137 10.7 8.6 12.8
54 9.7 8.4 12.6
68 6.5 5.1 7.7





#23

Nitrobenzene-d5

Concen: 63.493 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF139983.D

Acq: 24 Oct 2024 00:11

Instrument :

BNA_F

ClientSampleId :

SP-7

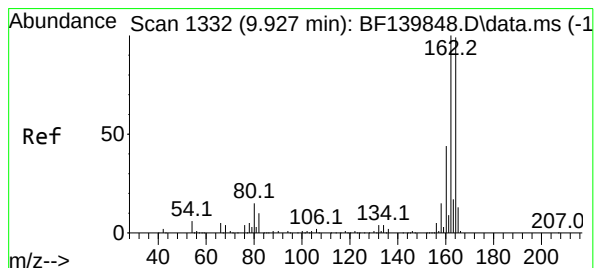
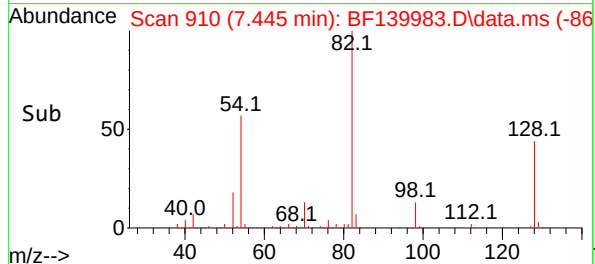
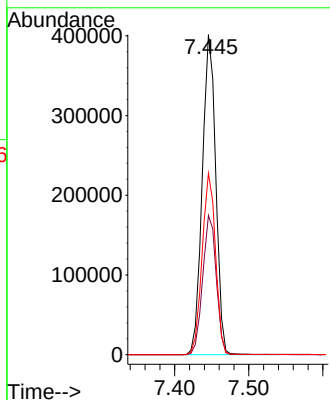
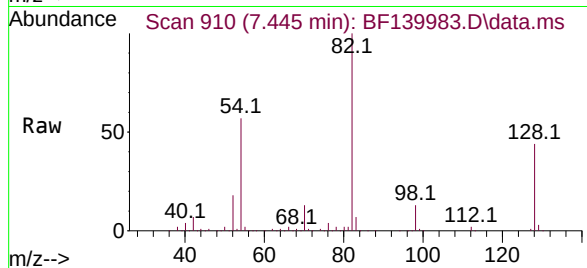
Tgt Ion: 82 Resp: 507754

Ion Ratio Lower Upper

82 100

128 43.5 33.4 50.0

54 56.7 47.8 71.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1331

Delta R.T. -0.005 min

Lab File: BF139983.D

Acq: 24 Oct 2024 00:11

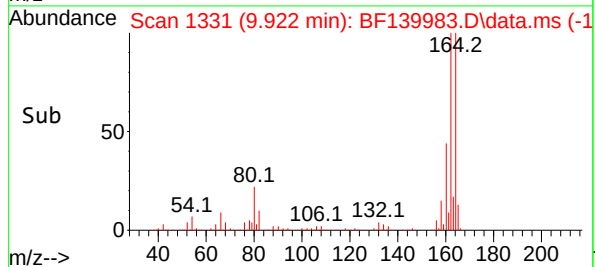
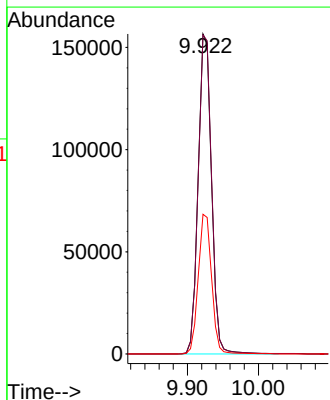
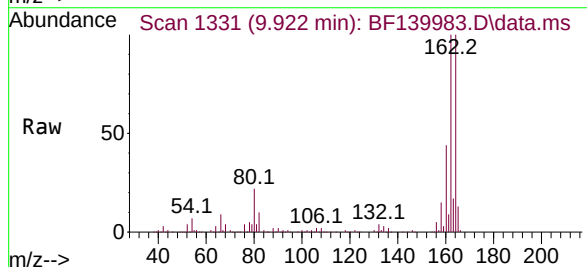
Tgt Ion: 164 Resp: 204877

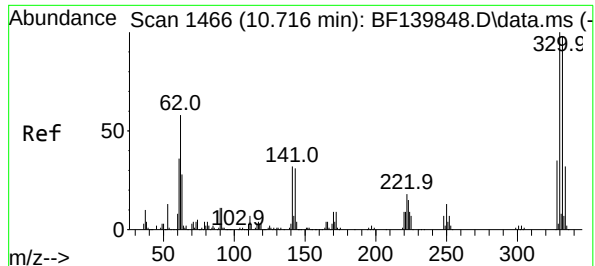
Ion Ratio Lower Upper

164 100

162 99.8 81.0 121.4

160 43.7 35.4 53.0

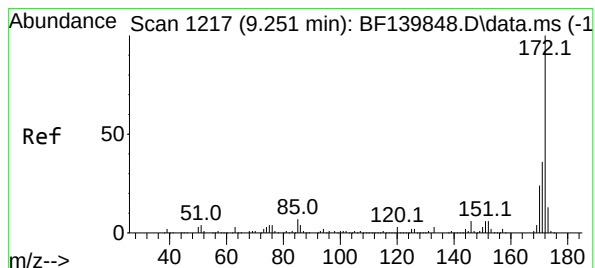
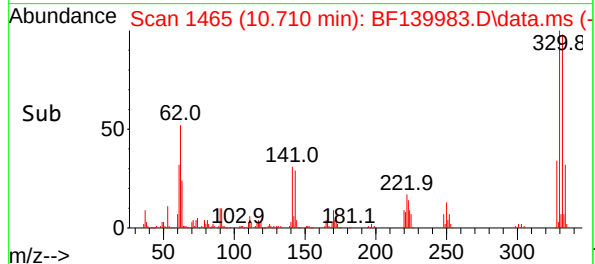
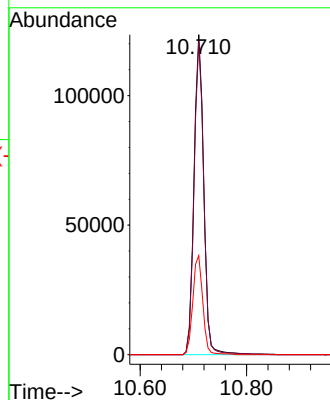
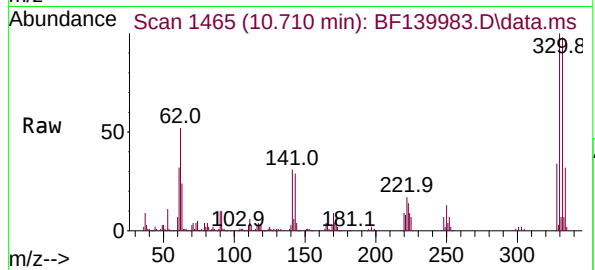




#42
2,4,6-Tribromophenol
Concen: 82.222 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF139983.D
Acq: 24 Oct 2024 00:11

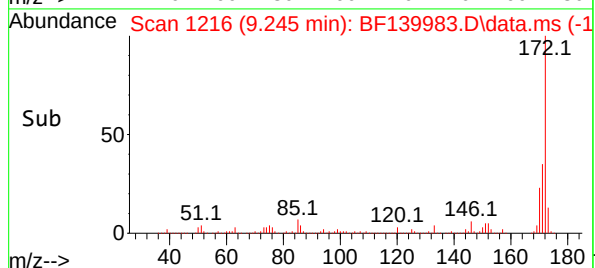
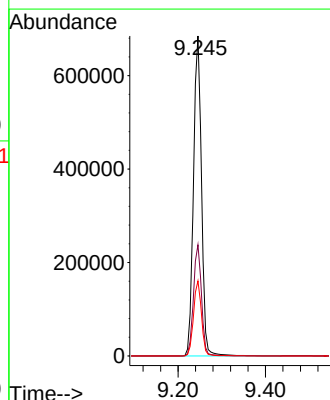
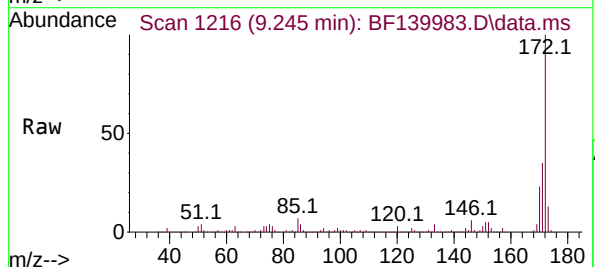
Instrument :
BNA_F
ClientSampleId :
SP-7

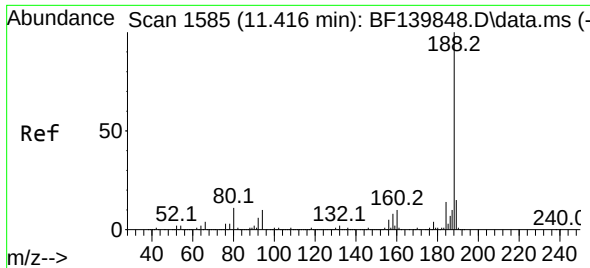
Tgt Ion:330 Resp: 157566
Ion Ratio Lower Upper
330 100
332 97.1 78.1 117.1
141 31.5 26.6 39.8



#45
2-Fluorobiphenyl
Concen: 70.586 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF139983.D
Acq: 24 Oct 2024 00:11

Tgt Ion:172 Resp: 875016
Ion Ratio Lower Upper
172 100
171 34.8 28.6 43.0
170 23.5 19.1 28.7

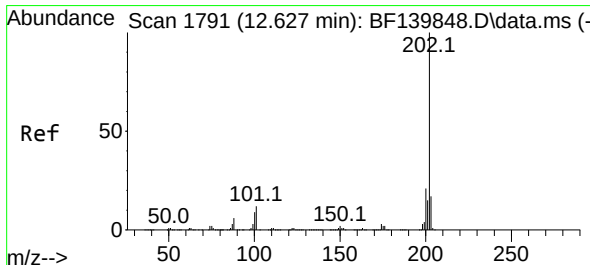
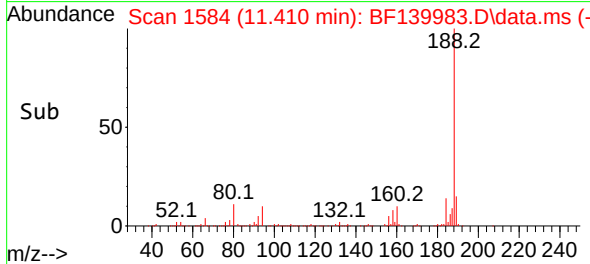
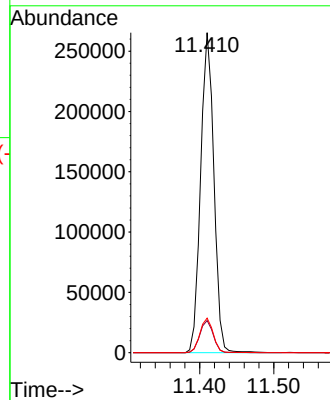
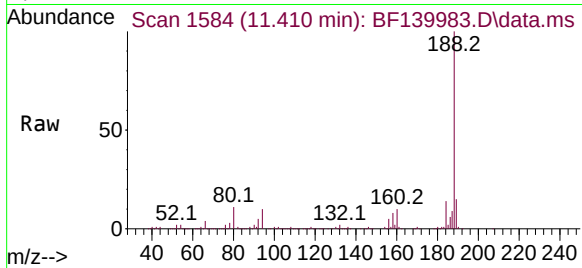




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139983.D
Acq: 24 Oct 2024 00:11

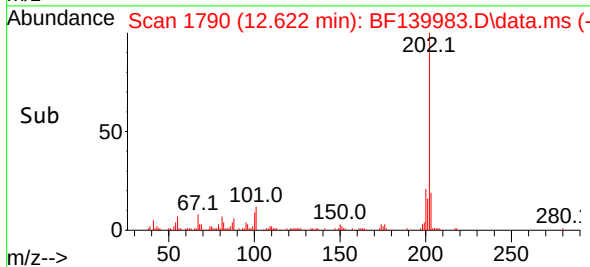
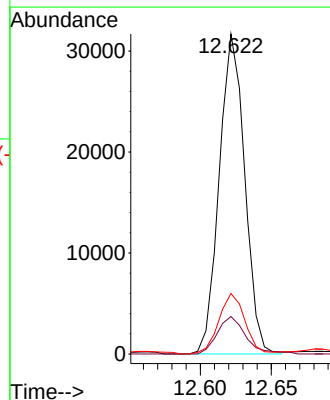
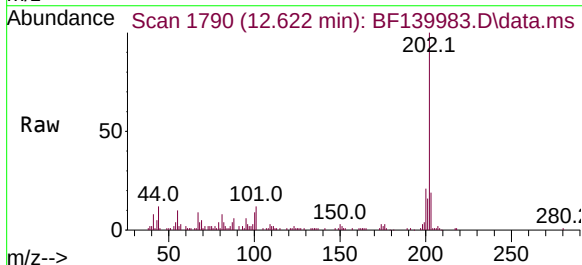
Instrument :
BNA_F
ClientSampleId :
SP-7

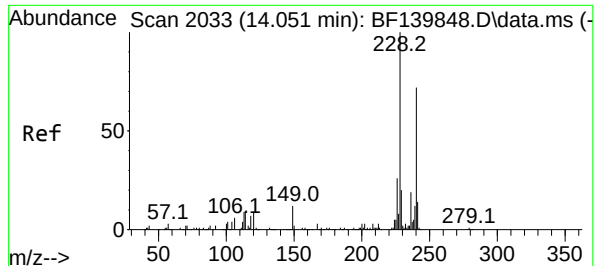
Tgt Ion:188 Resp: 329287
Ion Ratio Lower Upper
188 100
94 10.0 7.9 11.9
80 10.8 9.0 13.4



#75
Fluoranthene
Concen: 2.512 ng
RT: 12.622 min Scan# 1790
Delta R.T. -0.006 min
Lab File: BF139983.D
Acq: 24 Oct 2024 00:11

Tgt Ion:202 Resp: 39498
Ion Ratio Lower Upper
202 100
101 11.7 0.0 31.9
203 18.9 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2033

Delta R.T. 0.000 min

Lab File: BF139983.D

Acq: 24 Oct 2024 00:11

Instrument :

BNA_F

ClientSampleId :

SP-7

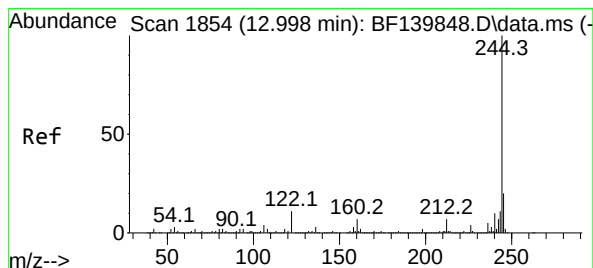
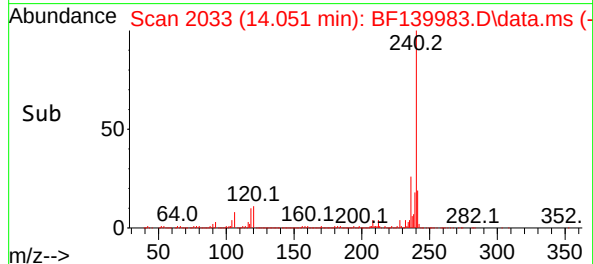
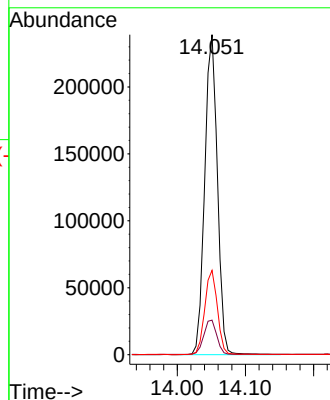
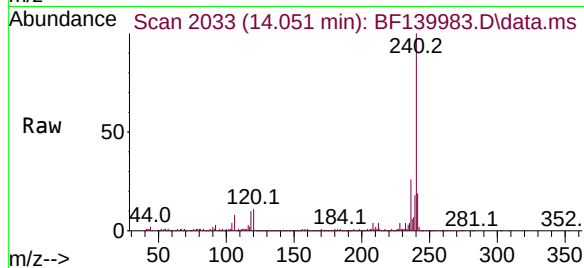
Tgt Ion:240 Resp: 309239

Ion Ratio Lower Upper

240 100

120 10.8 9.4 14.2

236 26.4 20.9 31.3



#79

Terphenyl-d14

Concen: 47.925 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.000 min

Lab File: BF139983.D

Acq: 24 Oct 2024 00:11

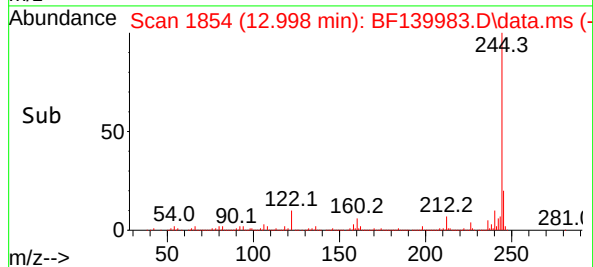
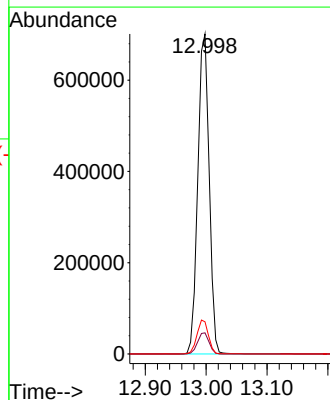
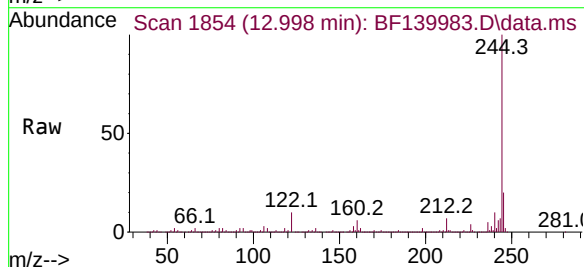
Tgt Ion:244 Resp: 909509

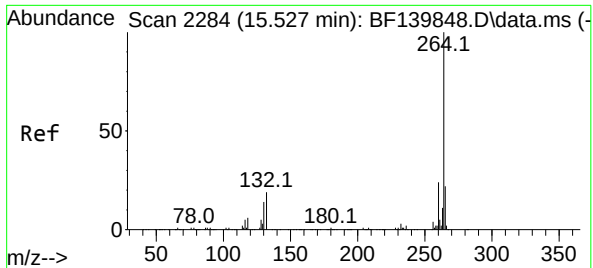
Ion Ratio Lower Upper

244 100

212 6.6 5.7 8.5

122 10.0 8.6 13.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF139983.D

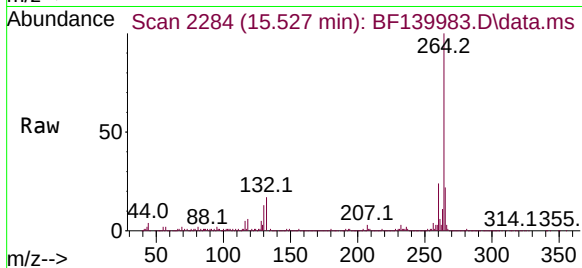
Acq: 24 Oct 2024 00:11

Instrument :

BNA_F

ClientSampleId :

SP-7



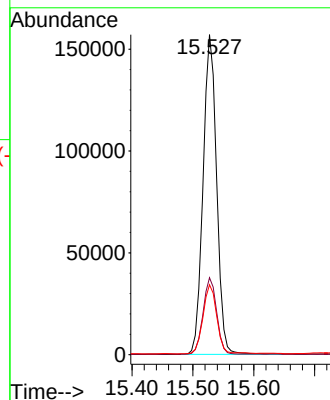
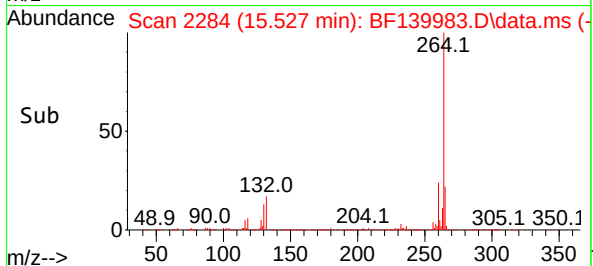
Tgt Ion:264 Resp: 243467

Ion Ratio Lower Upper

264 100

260 24.1 19.4 29.2

265 21.9 17.4 26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
 Data File : BF139983.D
 Acq On : 24 Oct 2024 00:11
 Operator : RC/JU
 Sample : P4385-14
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-7

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-BF101824.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF139983.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.193	8	17	24	rVB	1419480	2261211	90.87%	9.422%
2	5.110	506	513	524	rVB	115941	174517	7.01%	0.727%
3	5.504	574	580	585	rBV	1860324	2407882	96.76%	10.033%
4	6.504	744	750	770	rVB	1754366	2333752	93.78%	9.724%
5	6.893	810	816	821	rVB	587285	750253	30.15%	3.126%
6	7.445	904	910	915	rBV	1195475	1509849	60.68%	6.291%
7	7.698	949	953	959	rVB	54241	64773	2.60%	0.270%
8	8.169	1028	1033	1038	rBV	736534	908261	36.50%	3.784%
9	8.381	1063	1069	1078	rVB2	21355	29942	1.20%	0.125%
10	9.245	1210	1216	1226	rBV	1952605	2488408	100.00%	10.368%
11	9.922	1325	1331	1336	rBV	660558	870790	34.99%	3.628%
12	9.957	1336	1337	1344	rVB2	35019	36133	1.45%	0.151%
13	10.634	1447	1452	1459	rBV	106759	133778	5.38%	0.557%
14	10.710	1459	1465	1475	rBV	940501	1208946	48.58%	5.037%
15	11.410	1579	1584	1591	rBV	638522	821629	33.02%	3.423%
16	11.933	1664	1673	1685	rBV	320669	511880	20.57%	2.133%
17	12.022	1686	1688	1697	rVB	15219	31362	1.26%	0.131%
18	12.622	1785	1790	1793	rBV	101345	155188	6.24%	0.647%
19	12.722	1802	1807	1814	rBV	73170	119231	4.79%	0.497%
20	12.780	1814	1817	1821	rVV3	29393	40510	1.63%	0.169%
21	12.851	1824	1829	1835	rVV	65069	95938	3.86%	0.400%
22	12.998	1848	1854	1860	rVB	1780302	2353796	94.59%	9.807%
23	13.063	1860	1865	1870	rBV5	12828	26241	1.05%	0.109%
24	13.227	1889	1893	1898	rBV2	23434	41330	1.66%	0.172%
25	13.445	1926	1930	1932	rBV4	20025	31136	1.25%	0.130%
26	13.569	1948	1951	1955	rBV	21553	30064	1.21%	0.125%
27	13.657	1963	1966	1969	rBV4	21380	34442	1.38%	0.144%
28	13.904	2003	2008	2018	rBV2	134502	291649	11.72%	1.215%
29	14.051	2025	2033	2045	rBV	675742	1027512	41.29%	4.281%
30	14.216	2058	2061	2066	rVB2	25232	31070	1.25%	0.129%
31	14.522	2109	2113	2116	rBV	66976	100953	4.06%	0.421%
32	15.174	2219	2224	2229	rBV	219567	328069	13.18%	1.367%
33	15.527	2279	2284	2296	rVB	408574	700705	28.16%	2.920%
34	15.774	2321	2326	2334	rVB	155229	251901	10.12%	1.050%
35	16.010	2361	2366	2373	rBV	159995	285153	11.46%	1.188%
36	16.833	2500	2506	2521	rVB	162529	356891	14.34%	1.487%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
Data File : BF139983.D
Acq On : 24 Oct 2024 00:11
Operator : RC/JU
Sample : P4385-14
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-7

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-BF101824.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	17.398	2594	2602	2610	rVB	502538	1155057	46.42%	4.813%

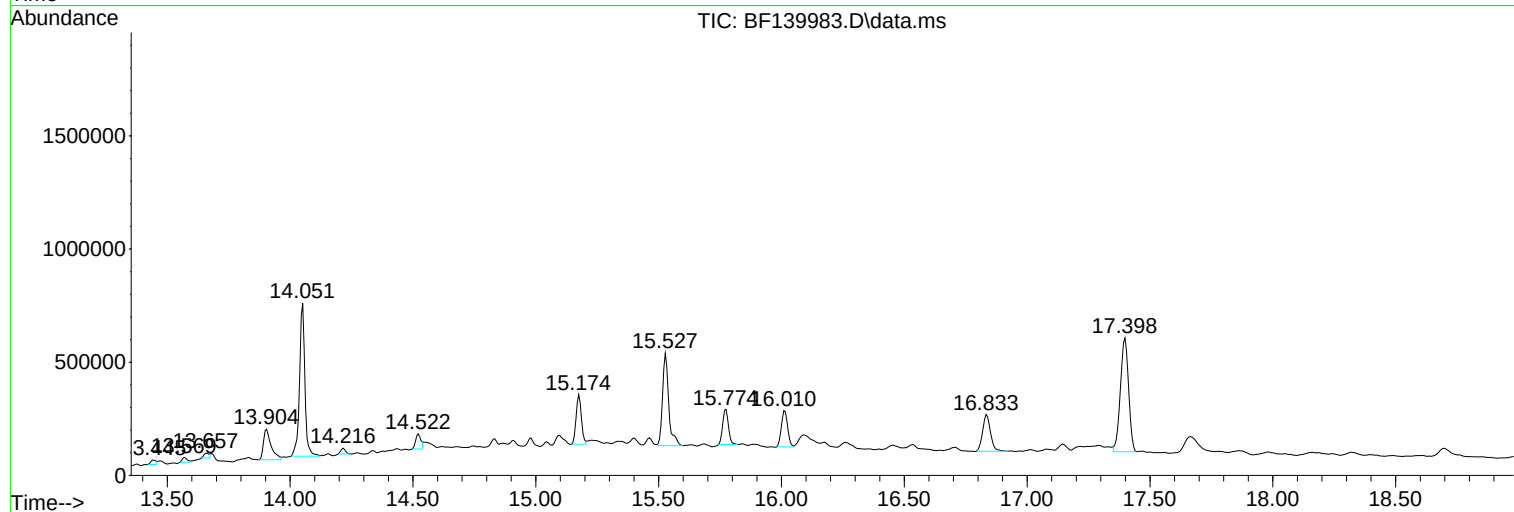
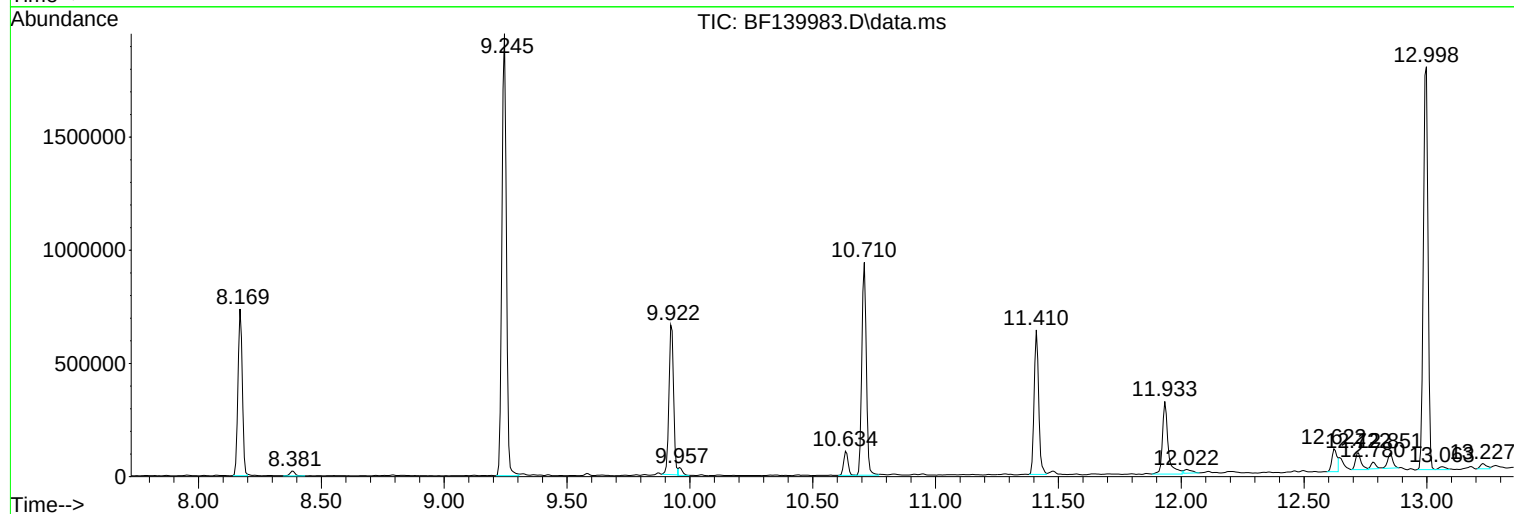
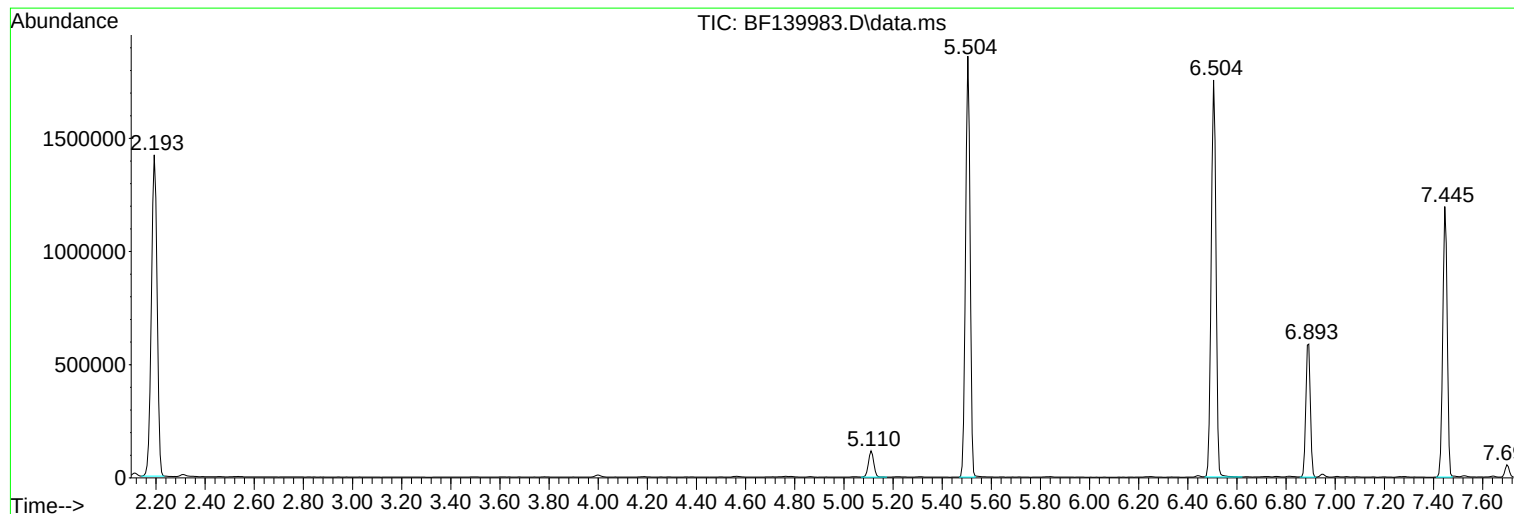
Sum of corrected areas: 24000202

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
Data File : BF139983.D
Acq On : 24 Oct 2024 00:11
Operator : RC/JU
Sample : P4385-14
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-7

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.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\BF102324\
Data File : BF139983.D
Acq On : 24 Oct 2024 00:11
Operator : RC/JU
Sample : P4385-14
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-7

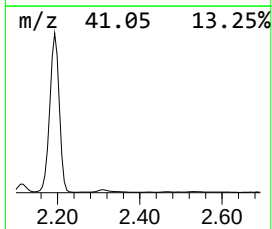
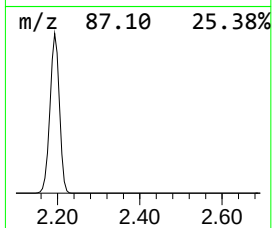
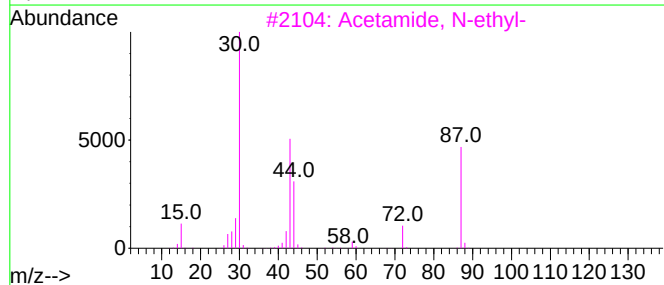
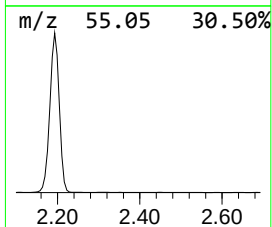
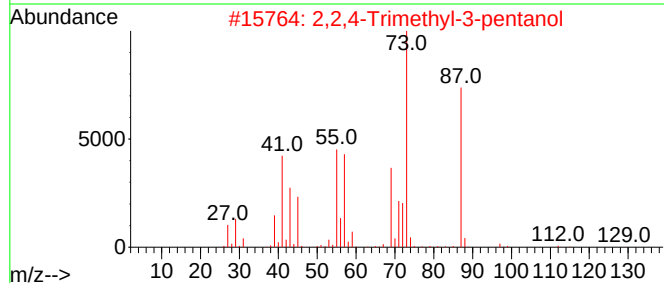
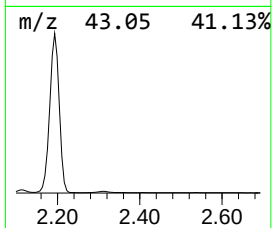
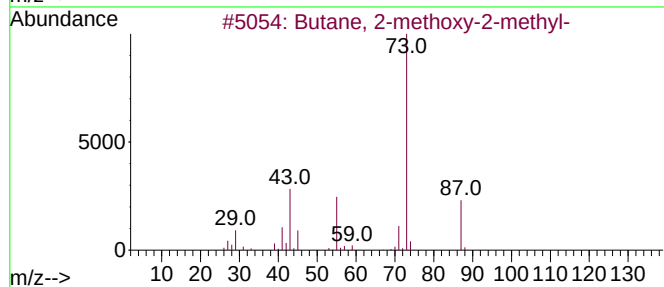
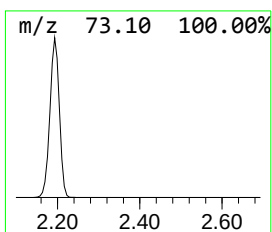
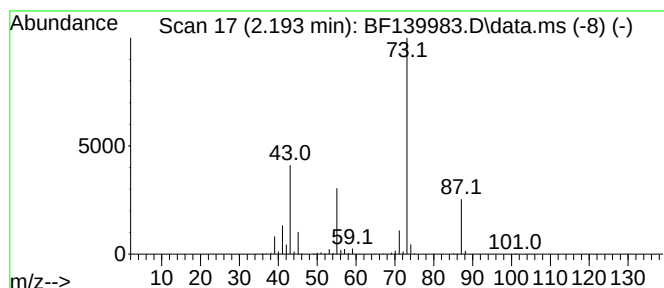
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.193	60.28 ng	2261210	1,4-Dichlorobenzene-d4	6.893

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3			Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	27
4			1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
5			Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	17



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
Data File : BF139983.D
Acq On : 24 Oct 2024 00:11
Operator : RC/JU
Sample : P4385-14
Misc :
ALS Vial : 20 Sample Multiplier: 1

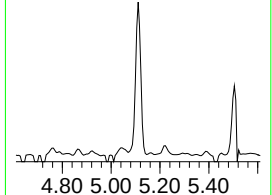
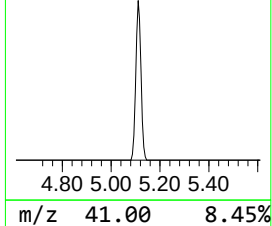
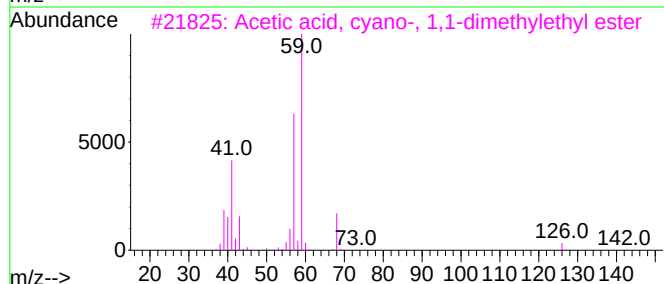
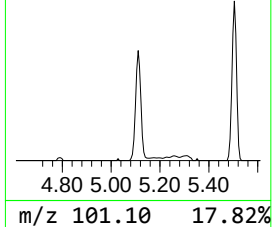
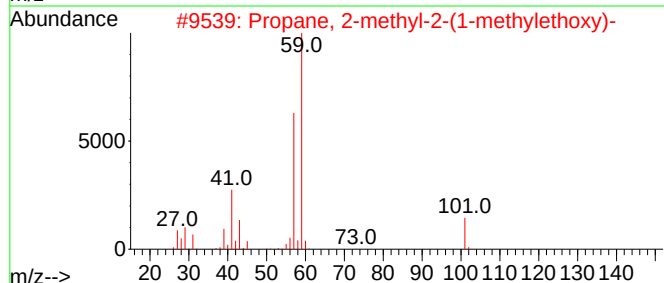
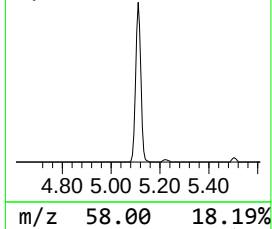
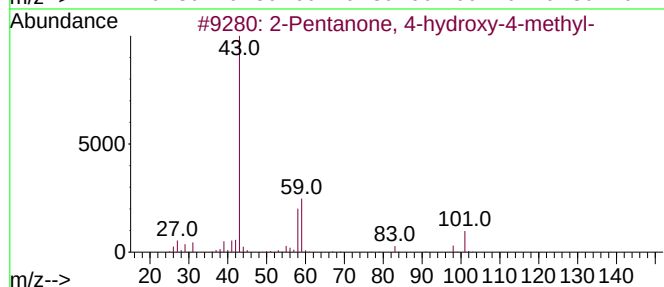
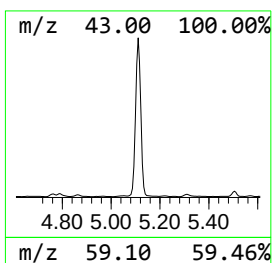
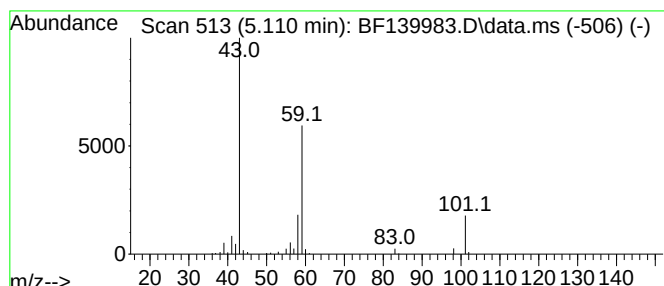
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.	
5.110	4.65 ng	174517	1,4-Dichlorobenzene-d4	6.893	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	42
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	37
4	3-Octanol	130	C8H18O	000589-98-0	36
5	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
Data File : BF139983.D
Acq On : 24 Oct 2024 00:11
Operator : RC/JU
Sample : P4385-14
Misc :
ALS Vial : 20 Sample Multiplier: 1

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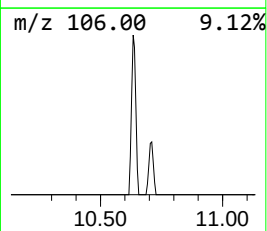
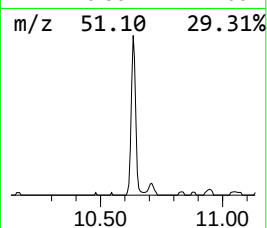
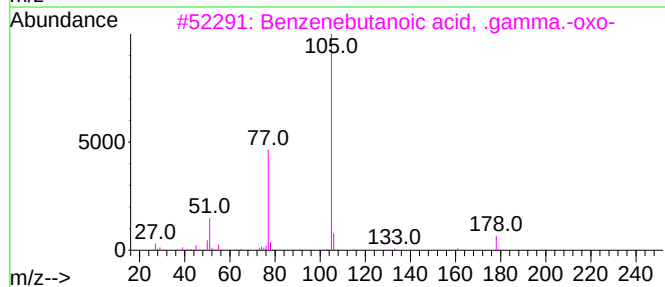
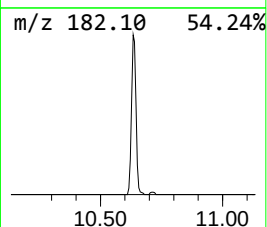
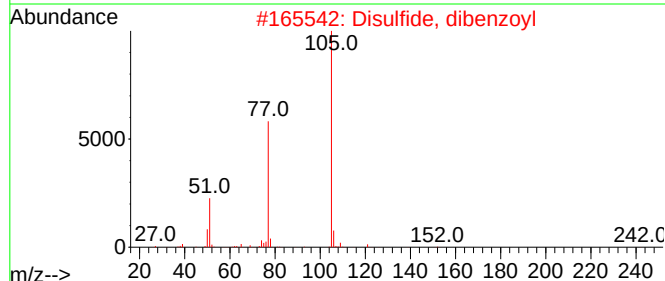
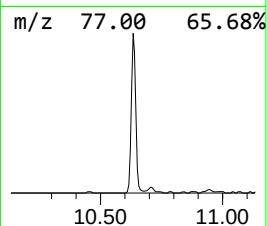
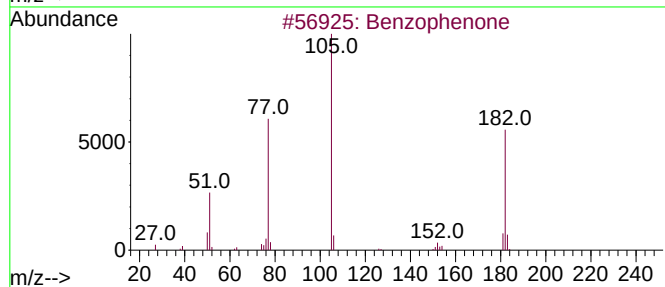
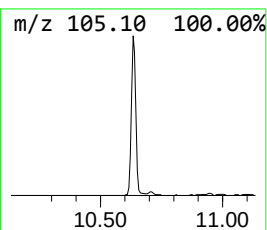
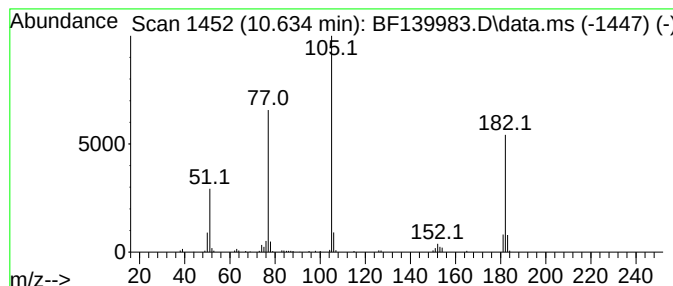
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Benzophenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.634	3.07 ng	133778	Acenaphthene-d10	9.922

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	49
3			Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	47
4			Benzilamide	227	C14H13NO2	004746-87-6	47
5			N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
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Sample : P4385-14
Misc :
ALS Vial : 20 Sample Multiplier: 1

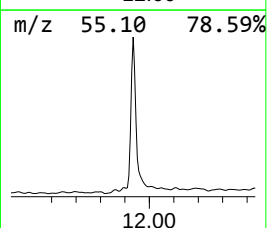
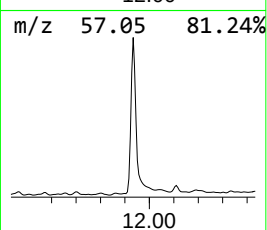
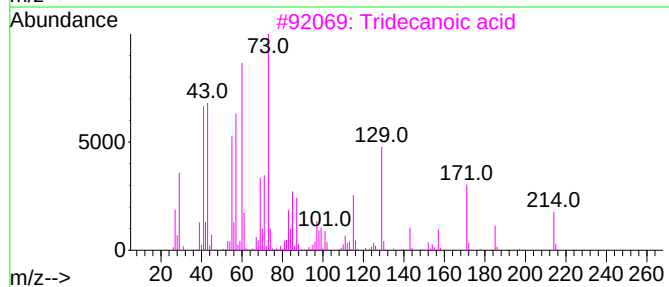
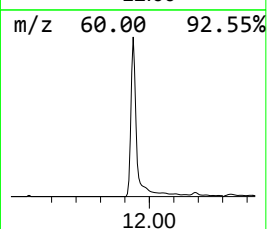
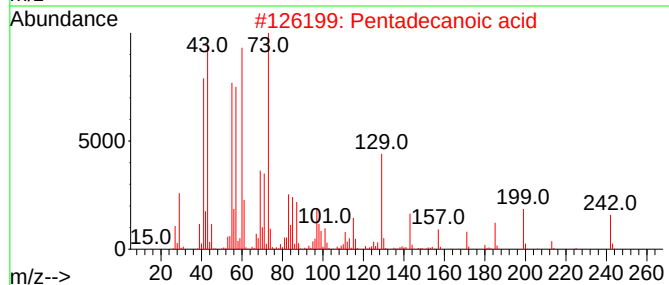
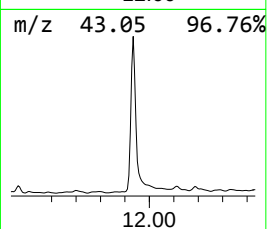
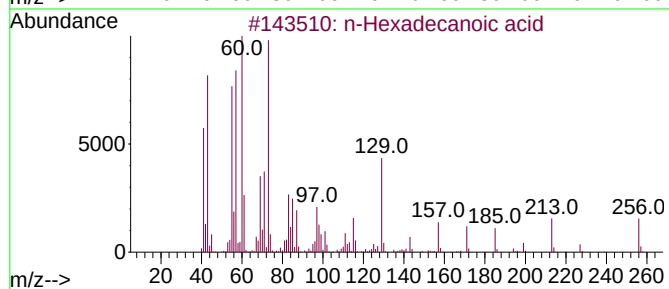
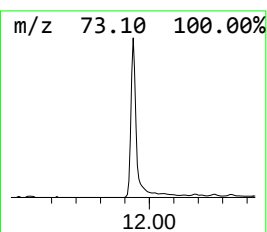
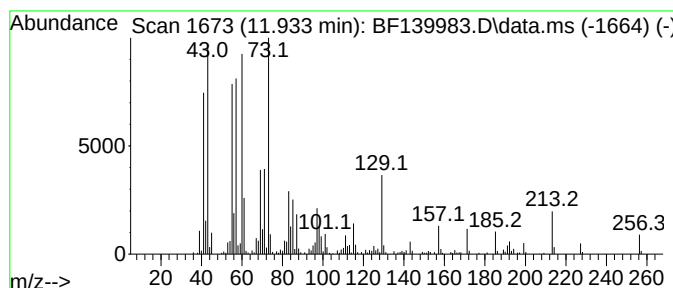
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.933	12.46 ng	511880	Phenanthrene-d10		11.410	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid		256	C16H32O2	000057-10-3	99
2	Pentadecanoic acid		242	C15H30O2	001002-84-2	93
3	Tridecanoic acid		214	C13H26O2	000638-53-9	92
4	Tetradecanoic acid		228	C14H28O2	000544-63-8	72
5	8-Methylnonanoic acid		172	C10H20O2	005963-14-4	55



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
Data File : BF139983.D
Acq On : 24 Oct 2024 00:11
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Sample : P4385-14
Misc :
ALS Vial : 20 Sample Multiplier: 1

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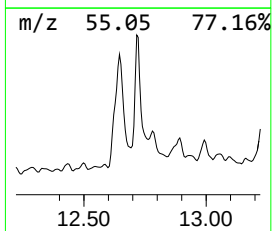
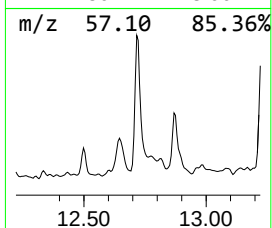
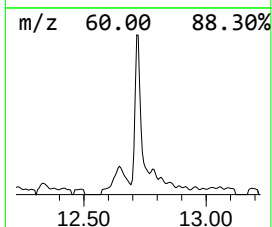
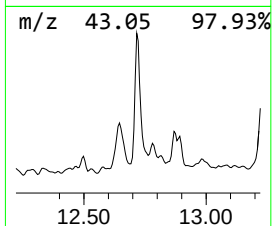
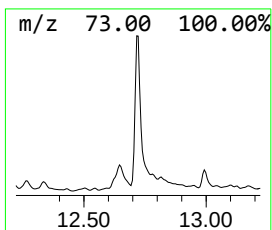
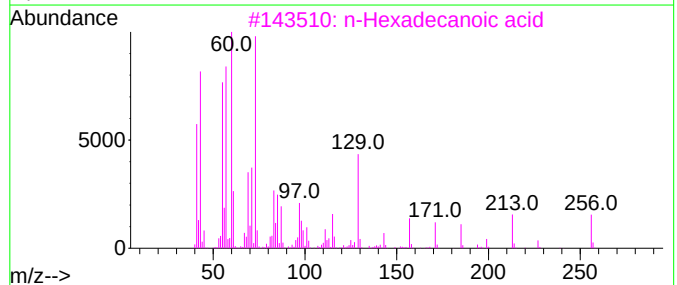
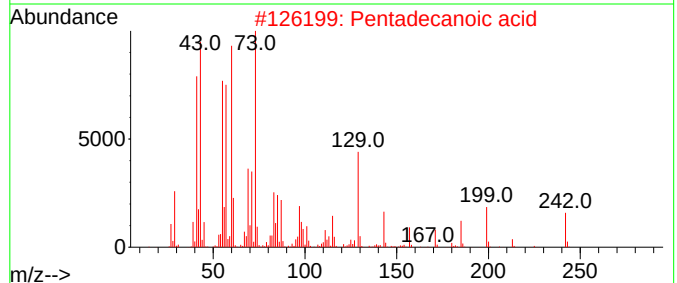
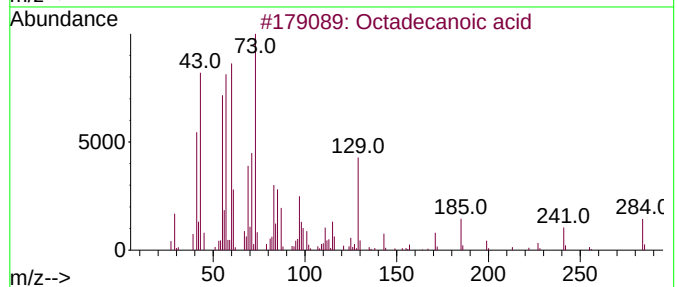
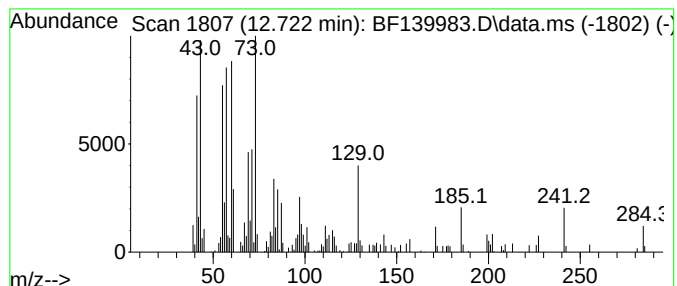
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Octadecanoic acid Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.722	2.90 ng	119231	Phenanthrene-d10	11.410

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octadecanoic acid	284	C18H36O2	000057-11-4	99
2			Pentadecanoic acid	242	C15H30O2	001002-84-2	91
3			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	87
4			Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	86
5			Tetradecanoic acid	228	C14H28O2	000544-63-8	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
Data File : BF139983.D
Acq On : 24 Oct 2024 00:11
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Sample : P4385-14
Misc :
ALS Vial : 20 Sample Multiplier: 1

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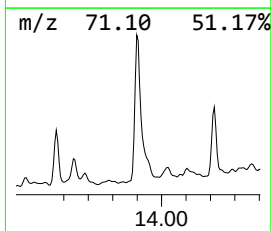
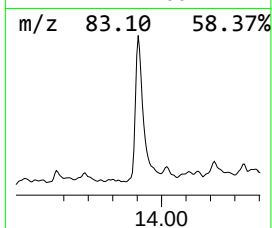
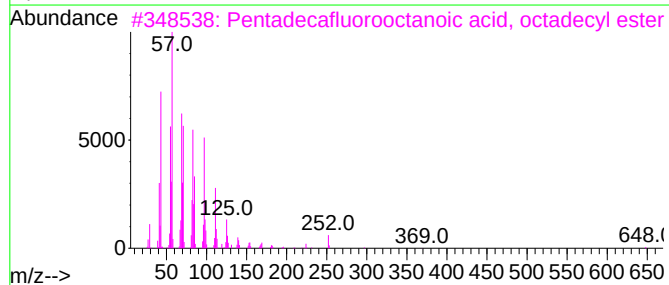
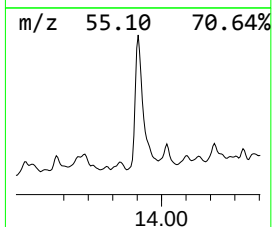
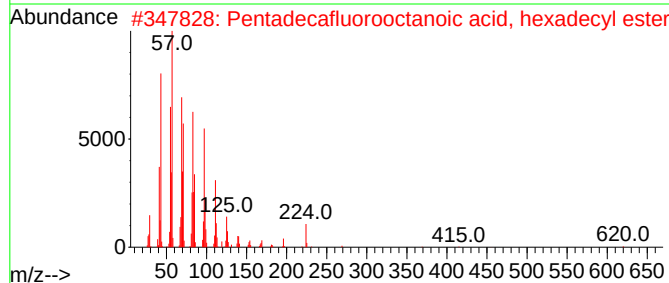
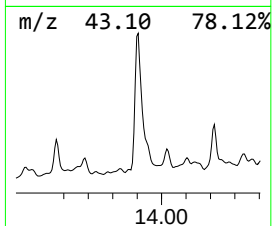
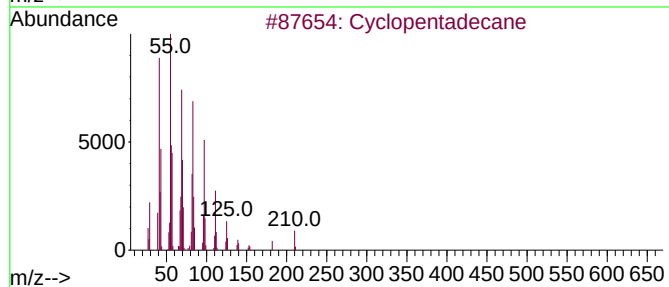
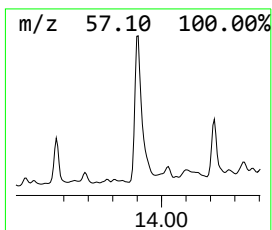
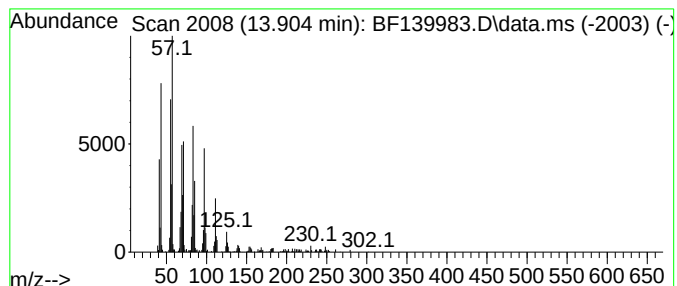
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Cyclopentadecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.904	5.68 ng	291649	Chrysene-d12	14.051

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentadecane	210	C15H30	000295-48-7	95
2			Pentadecafluorooctanoic acid, he...	638	C24H33F15O2	1000406-04-6	94
3			Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	94
4			Pentadecafluorooctanoic acid, pe...	624	C23H31F15O2	1000406-04-5	91
5			Tetracosyl heptafluorobutyrate	550	C28H49F7O2	1000351-83-7	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
Data File : BF139983.D
Acq On : 24 Oct 2024 00:11
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Sample : P4385-14
Misc :
ALS Vial : 20 Sample Multiplier: 1

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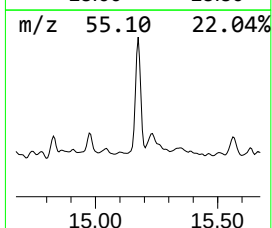
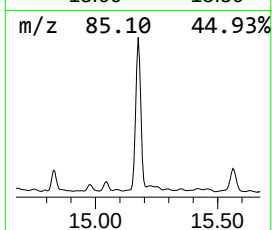
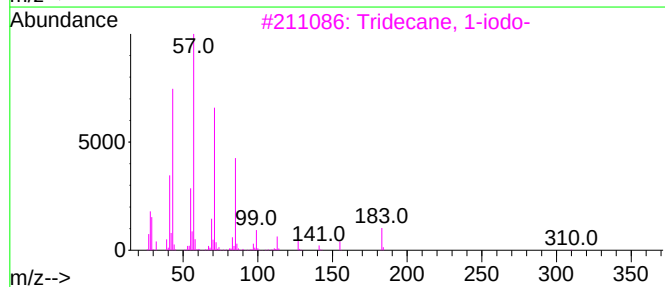
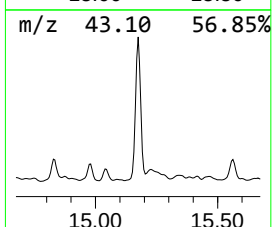
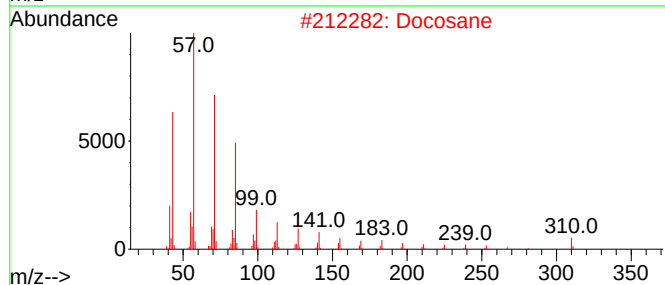
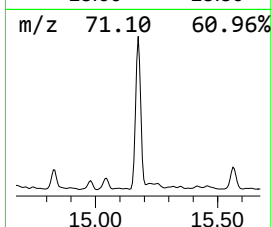
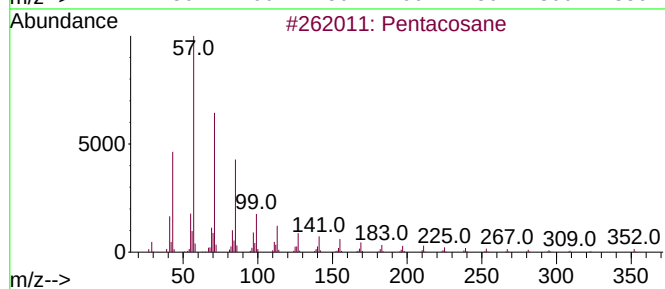
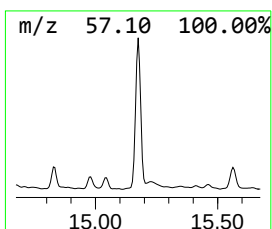
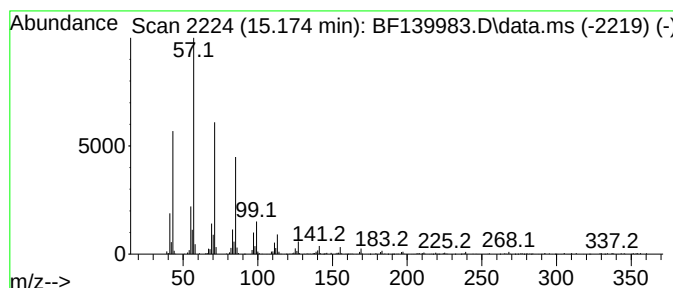
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Pentacosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.174	9.36 ng	328069	Perylene-d12	15.527

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentacosane	352	C25H52	000629-99-2	97
2			Docosane	310	C22H46	000629-97-0	96
3			Tridecane, 1-iodo-	310	C13H27I	035599-77-0	93
4			Octacosane	394	C28H58	000630-02-4	91
5			Hexacosane	366	C26H54	000630-01-3	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
Data File : BF139983.D
Acq On : 24 Oct 2024 00:11
Operator : RC/JU
Sample : P4385-14
Misc :
ALS Vial : 20 Sample Multiplier: 1

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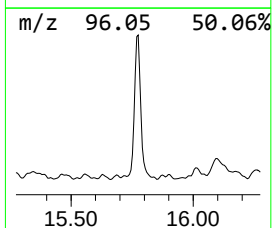
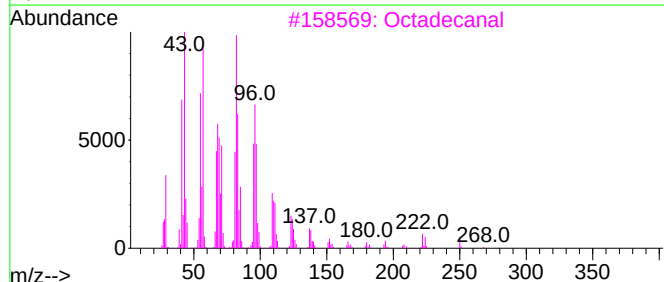
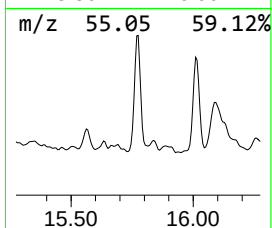
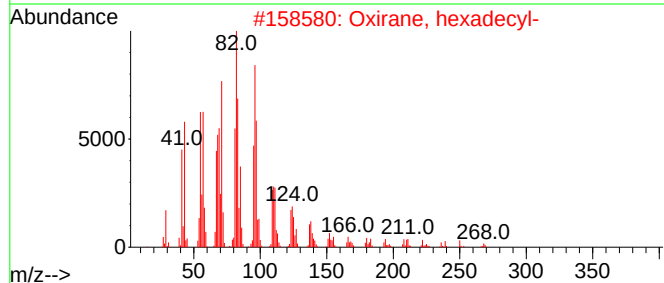
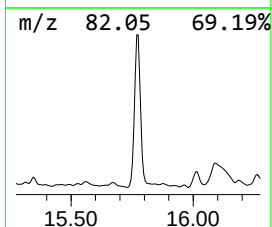
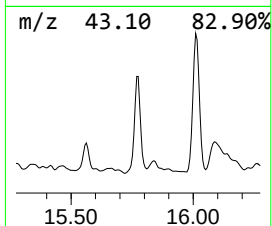
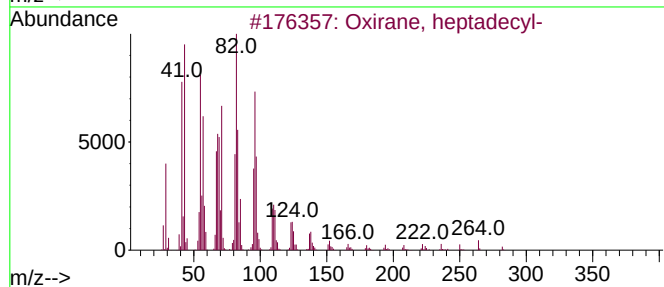
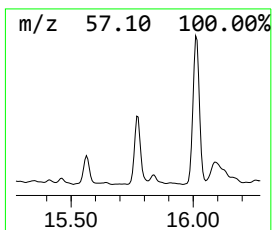
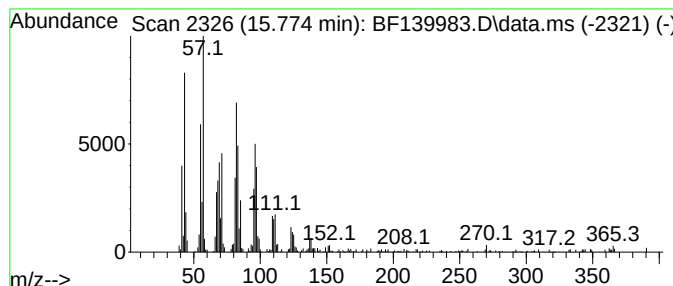
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Oxirane, heptadecyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.774	7.19 ng	251901	Perylene-d12	15.527

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Oxirane, heptadecyl-	282	C19H38O	067860-04-2	95
2			Oxirane, hexadecyl-	268	C18H36O	007390-81-0	91
3			Octadecanal	268	C18H36O	000638-66-4	90
4			Pentacosanal	366	C25H50O	058196-28-4	90
5			Octacosanal	408	C28H56O	022725-64-0	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
Data File : BF139983.D
Acq On : 24 Oct 2024 00:11
Operator : RC/JU
Sample : P4385-14
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-7

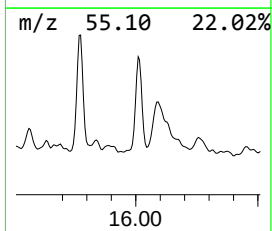
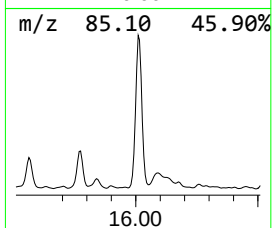
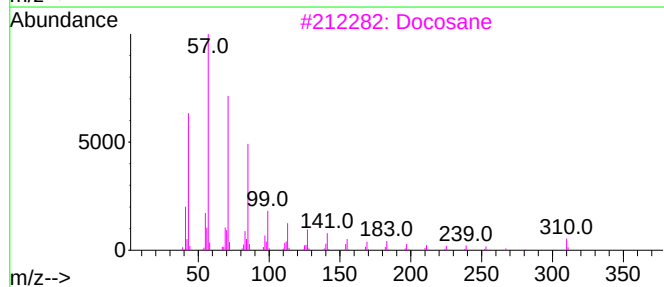
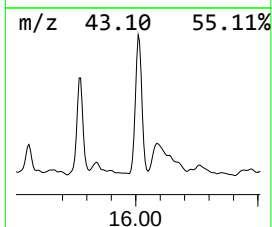
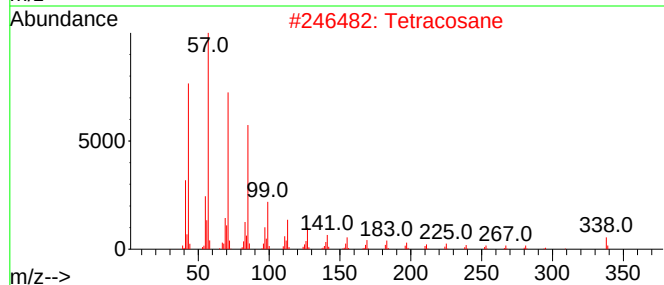
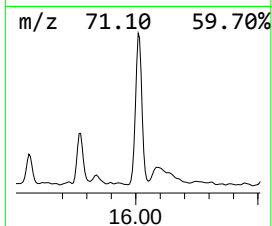
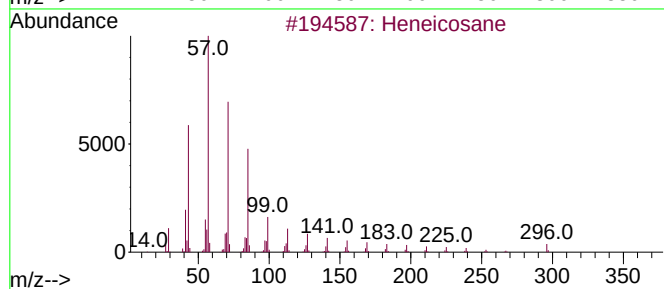
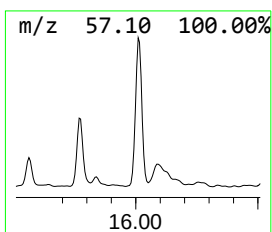
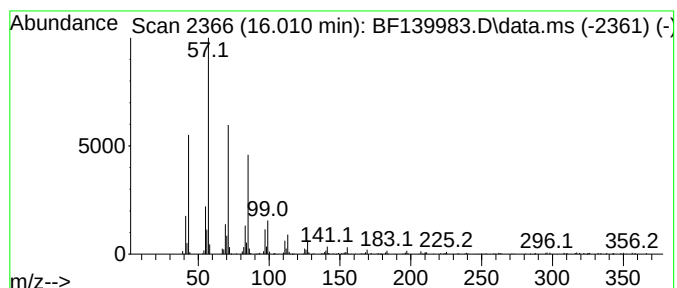
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Heneicosane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.010	8.14 ng	285153	Perylene-d12	15.527

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heneicosane	296	C21H44	000629-94-7	97
2			Tetracosane	338	C24H50	000646-31-1	96
3			Docosane	310	C22H46	000629-97-0	93
4			2-Bromo dodecane	248	C12H25Br	013187-99-0	93
5			Hexacosane	366	C26H54	000630-01-3	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
Data File : BF139983.D
Acq On : 24 Oct 2024 00:11
Operator : RC/JU
Sample : P4385-14
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-7

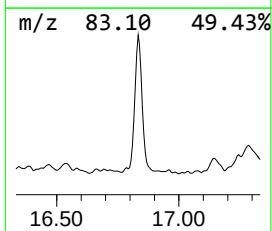
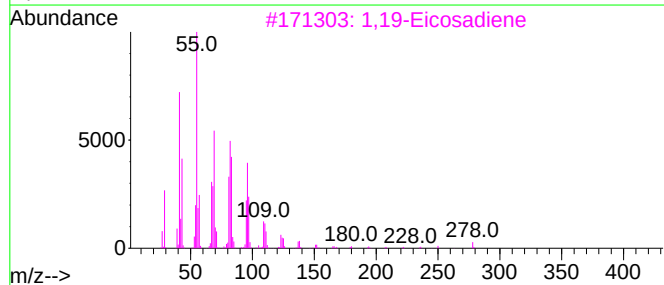
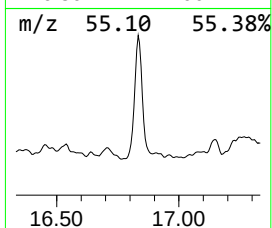
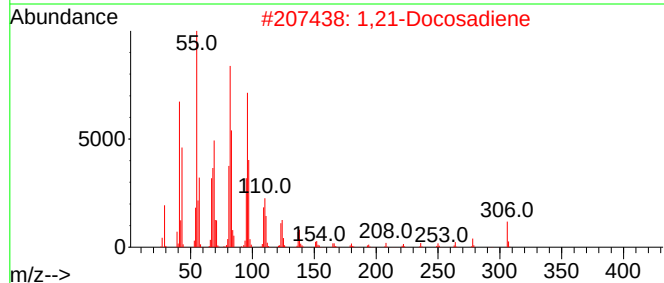
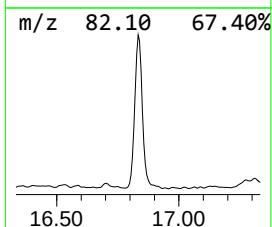
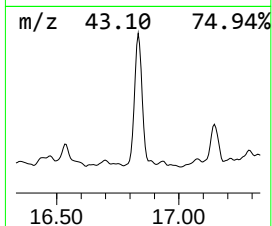
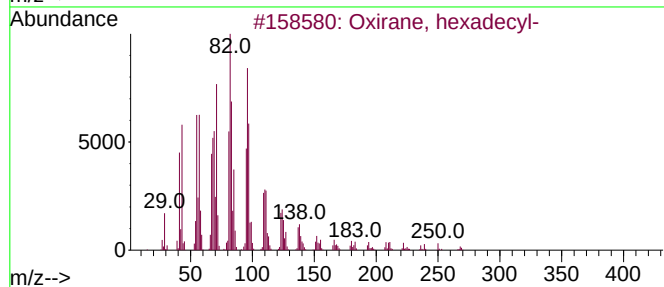
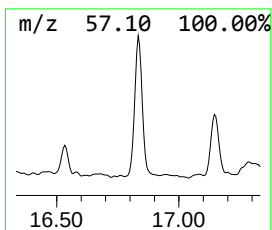
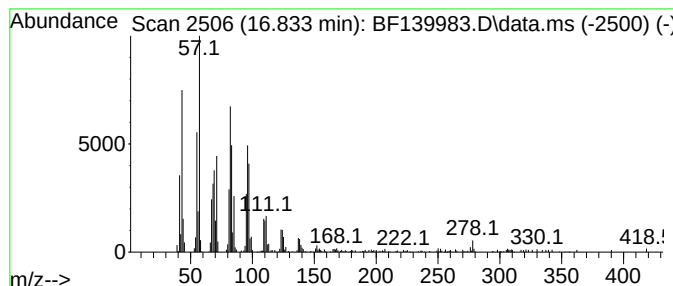
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Oxirane, hexadecyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.833	10.19 ng	356891	Perylene-d12	15.527

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Oxirane, hexadecyl-	268	C18H36O	007390-81-0	94
2		1,21-Docosadiene	306	C22H42	053057-53-7	93
3		1,19-Eicosadiene	278	C20H38	014811-95-1	93
4		E-8-Octadecacene-1-ol acetate	310	C20H38O2	002195-90-6	87
5		Docosanal	324	C22H44O	057402-36-5	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
Data File : BF139983.D
Acq On : 24 Oct 2024 00:11
Operator : RC/JU
Sample : P4385-14
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-7

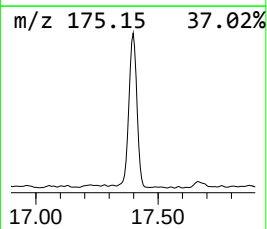
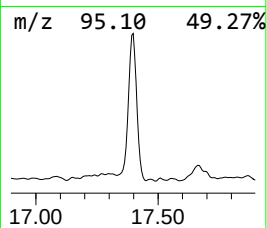
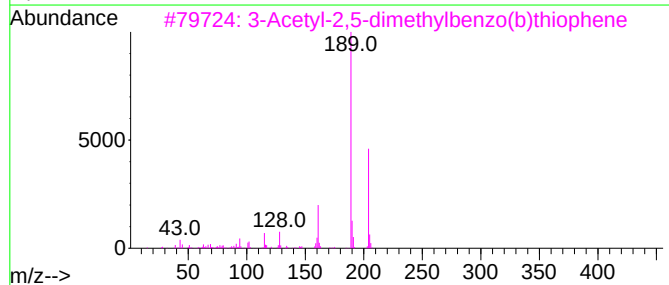
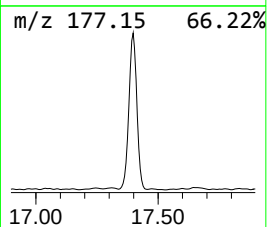
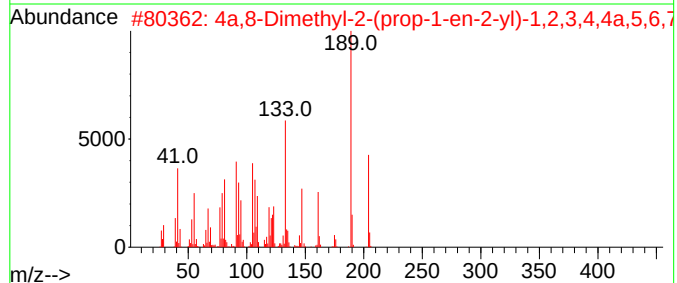
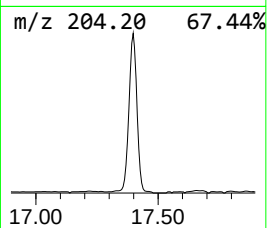
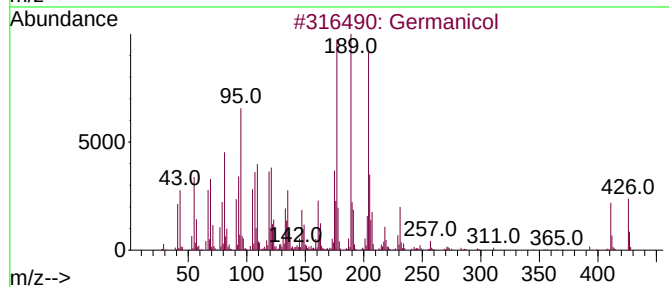
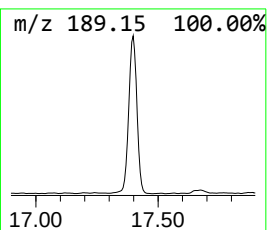
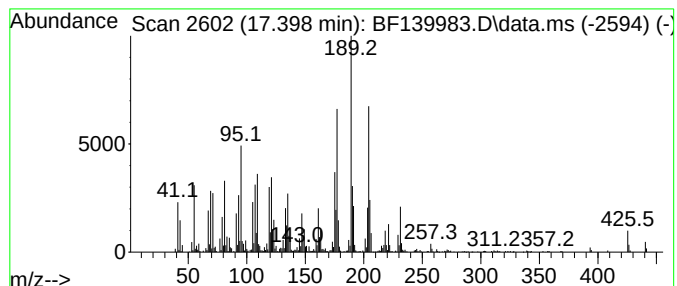
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Germanicol Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.398	32.97 ng	1155060	Perylene-d12	15.527

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Germanicol	426	C30H50O	000465-02-1	58
2			4a,8-Dimethyl-2-(prop-1-en-2-yl)...	204	C15H24	103827-22-1	43
3			3-Acetyl-2,5-dimethylbenzo(b)thi...	204	C12H12OS	006179-04-0	38
4			Naphthalene, decahydro-4a-methyl...	204	C15H24	000515-17-3	35
5			2-Acetyl-1-methyl-3-indolyl acetate	231	C13H13NO3	061153-69-3	25



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
Data File : BF139983.D
Acq On : 24 Oct 2024 00:11
Operator : RC/JU
Sample : P4385-14
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-7

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.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
Butane, 2-metho...	2.193	60.3	ng	2261210	1	6.893	750253	20.0
2-Pentanone, 4-...	5.110	4.7	ng	174517	1	6.893	750253	20.0
Benzophenone	10.634	3.1	ng	133778	3	9.922	870790	20.0
n-Hexadecanoic ...	11.933	12.5	ng	511880	4	11.410	821629	20.0
Octadecanoic acid	12.722	2.9	ng	119231	4	11.410	821629	20.0
Cyclopentadecane	13.904	5.7	ng	291649	5	14.051	1027510	20.0
Pentacosane	15.174	9.4	ng	328069	6	15.527	700705	20.0
Oxirane, heptad...	15.774	7.2	ng	251901	6	15.527	700705	20.0
Heneicosane	16.010	8.1	ng	285153	6	15.527	700705	20.0
Oxirane, hexade...	16.833	10.2	ng	356891	6	15.527	700705	20.0
Germanicol	17.398	33.0	ng	1155060	6	15.527	700705	20.0

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-8	SDG No.:	P4385
Lab Sample ID:	P4385-16	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94.3
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
BF139945.D	1	10/11/24 09:38	10/22/24 23:14	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	190	U	190	350	ug/Kg
108-95-2	Phenol	87.7	U	87.7	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	88.6	U	88.6	180	ug/Kg
95-57-8	2-Chlorophenol	88.3	U	88.3	180	ug/Kg
95-48-7	2-Methylphenol	85.3	U	85.3	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	96.2	U	96.2	180	ug/Kg
98-86-2	Acetophenone	91.9	U	91.9	180	ug/Kg
65794-96-9	3+4-Methylphenols	84.4	U	84.4	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	42.6	U	42.6	84.6	ug/Kg
67-72-1	Hexachloroethane	87.8	U	87.8	180	ug/Kg
98-95-3	Nitrobenzene	96.1	U	96.1	180	ug/Kg
78-59-1	Isophorone	89.5	U	89.5	180	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	180	ug/Kg
105-67-9	2,4-Dimethylphenol	98.6	U	98.6	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	90.8	U	90.8	180	ug/Kg
120-83-2	2,4-Dichlorophenol	79.9	U	79.9	180	ug/Kg
91-20-3	Naphthalene	87.4	U	87.4	180	ug/Kg
106-47-8	4-Chloroaniline	87.4	UQ	87.4	180	ug/Kg
87-68-3	Hexachlorobutadiene	88.1	U	88.1	180	ug/Kg
105-60-2	Caprolactam	91.8	U	91.8	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	82.0	U	82.0	180	ug/Kg
91-57-6	2-Methylnaphthalene	87.3	U	87.3	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	170	UQ	170	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	75.5	U	75.5	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	78.3	U	78.3	180	ug/Kg
92-52-4	1,1-Biphenyl	92.5	U	92.5	180	ug/Kg
91-58-7	2-Chloronaphthalene	88.1	U	88.1	180	ug/Kg
88-74-4	2-Nitroaniline	100	U	100	180	ug/Kg
131-11-3	Dimethylphthalate	86.4	U	86.4	180	ug/Kg

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-8	SDG No.:	P4385
Lab Sample ID:	P4385-16	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94.3
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
BF139945.D	1	10/11/24 09:38	10/22/24 23:14	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	91.5	U	91.5	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	88.0	U	88.0	180	ug/Kg
99-09-2	3-Nitroaniline	94.4	UQ	94.4	180	ug/Kg
83-32-9	Acenaphthene	85.8	U	85.8	180	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	350	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	350	ug/Kg
132-64-9	Dibenzofuran	89.3	U	89.3	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	91.2	U	91.2	180	ug/Kg
84-66-2	Diethylphthalate	84.7	U	84.7	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	90.6	U	90.6	180	ug/Kg
86-73-7	Fluorene	90.5	U	90.5	180	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	UQ	120	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	86.3	U	86.3	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	83.5	U	83.5	180	ug/Kg
118-74-1	Hexachlorobenzene	89.9	U	89.9	180	ug/Kg
1912-24-9	Atrazine	96.7	U	96.7	180	ug/Kg
87-86-5	Pentachlorophenol	81.8	U	81.8	350	ug/Kg
85-01-8	Phenanthrene	88.9	U	88.9	180	ug/Kg
120-12-7	Anthracene	89.3	U	89.3	180	ug/Kg
86-74-8	Carbazole	85.0	U	85.0	180	ug/Kg
84-74-2	Di-n-butylphthalate	89.2	U	89.2	180	ug/Kg
206-44-0	Fluoranthene	95.3	J	86.4	180	ug/Kg
129-00-0	Pyrene	87.8	U	87.8	180	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	100	U	100	350	ug/Kg
56-55-3	Benzo(a)anthracene	85.4	U	85.4	180	ug/Kg
218-01-9	Chrysene	84.1	U	84.1	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	96.3	U	96.3	180	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	85.8	U	85.8	180	ug/Kg

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-8	SDG No.:	P4385
Lab Sample ID:	P4385-16	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94.3
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
BF139945.D	1	10/11/24 09:38	10/22/24 23:14	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	87.4	U	87.4	180	ug/Kg
50-32-8	Benzo(a)pyrene	98.4	U	98.4	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	82.6	U	82.6	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	85.9	U	85.9	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	84.7	U	84.7	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	91.8	U	91.8	180	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	79.0	U	79.0	180	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	95.3		30 (18) - 130 (112)	64%	SPK: 150
13127-88-3	Phenol-d6	86.2		30 (15) - 130 (107)	57%	SPK: 150
4165-60-0	Nitrobenzene-d5	76.1		30 (18) - 130 (107)	76%	SPK: 100
321-60-8	2-Fluorobiphenyl	81.7		30 (20) - 130 (109)	82%	SPK: 100
118-79-6	2,4,6-Tribromophenol	102		30 (10) - 130 (116)	68%	SPK: 150
1718-51-0	Terphenyl-d14	56.6		30 (10) - 130 (105)	57%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	119000	6.893
1146-65-2	Naphthalene-d8	400000	8.169
15067-26-2	Acenaphthene-d10	182000	9.928
1517-22-2	Phenanthrene-d10	308000	11.41
1719-03-5	Chrysene-d12	298000	14.051
1520-96-3	Perylene-d12	223000	15.527

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	2500	JB	2.18	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	190	AB	5.11	ug/Kg
001119-40-0	Pentanedioic acid, dimethyl ester	73.0	J	7.70	ug/Kg
000119-61-9	Benzophenone	140	J	10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	480	J	11.9	ug/Kg
000057-11-4	Octadecanoic acid	88.9	J	12.7	ug/Kg
027519-02-4	9-Tricosene, (Z)-	390	J	13.9	ug/Kg

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-8	SDG No.:	P4385
Lab Sample ID:	P4385-16	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94.3
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
BF139945.D	1	10/11/24 09:38	10/22/24 23:14	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000295-65-8	Cyclohexadecane	140	J		14.5	ug/Kg
000646-31-1	Tetracosane	380	J		15.2	ug/Kg
000638-66-4	Octadecanal	110	J		15.8	ug/Kg
013475-75-7	Pentadecane, 8-hexyl-	180	J		16.0	ug/Kg
015594-90-8	1-Heneicosanol	210	J		16.1	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\BF102224\
Data File : BF139945.D
Acq On : 22 Oct 2024 23:14
Operator : RC/JU
Sample : P4385-16
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-8

Quant Time: Oct 23 01:14:49 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

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

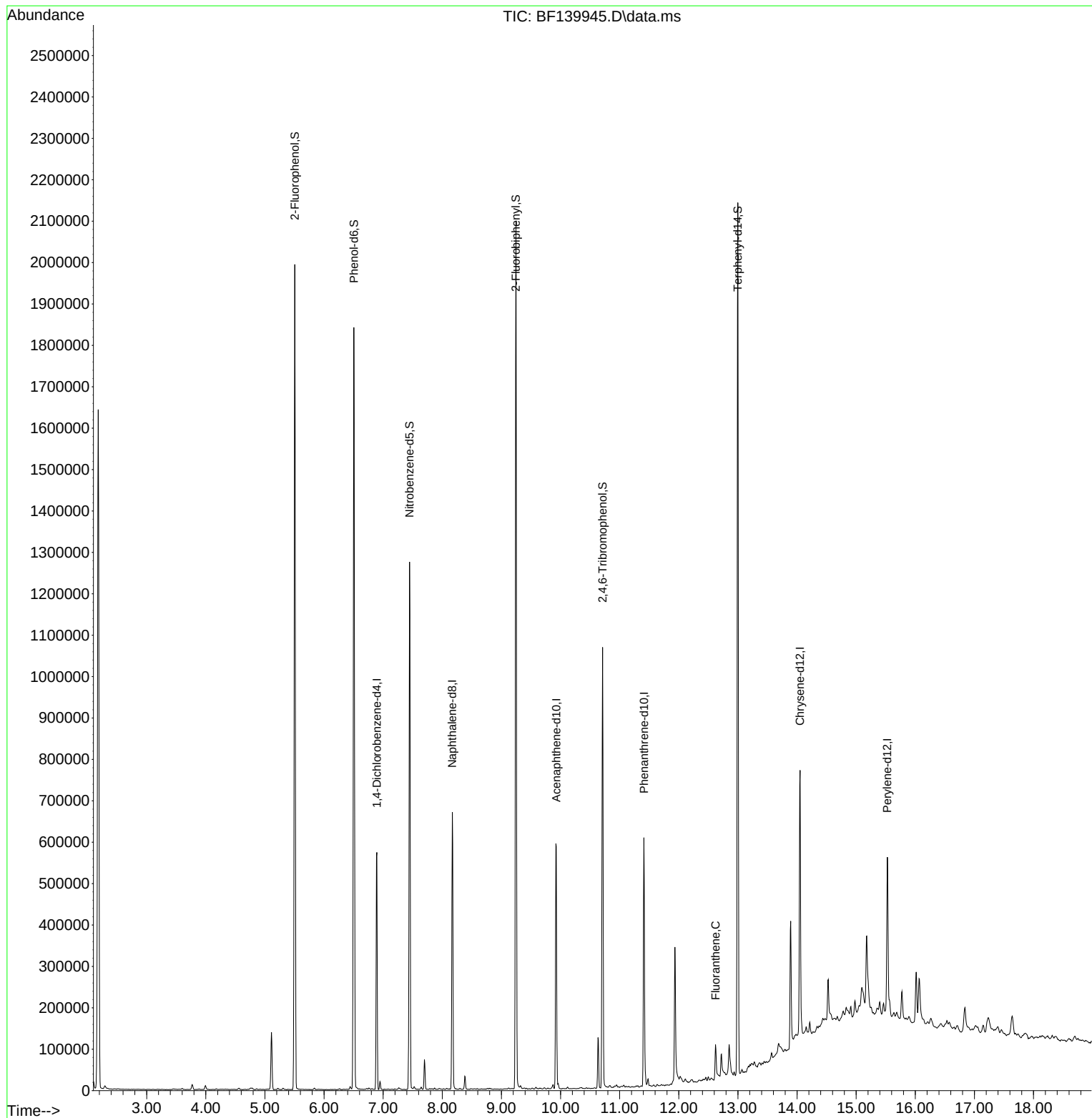
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	119007	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	400056	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	182483	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	307887	20.000	ng	0.00
76) Chrysene-d12	14.051	240	297752	20.000	ng	0.00
86) Perylene-d12	15.527	264	223198	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	724377	95.289	ng	0.00
7) Phenol-d6	6.504	99	848986	86.229	ng	0.00
23) Nitrobenzene-d5	7.445	82	548950	76.051	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	174780	102.397	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	902085	81.699	ng	0.00
79) Terphenyl-d14	12.998	244	1034993	56.641	ng	0.00
Target Compounds						Qvalue
75) Fluoranthene	12.622	202	39733	2.703	ng	99

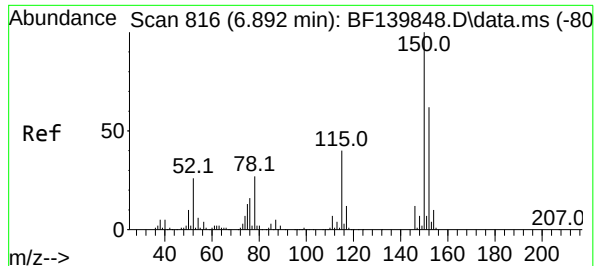
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139945.D
Acq On : 22 Oct 2024 23:14
Operator : RC/JU
Sample : P4385-16
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-8

Quant Time: Oct 23 01:14:49 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

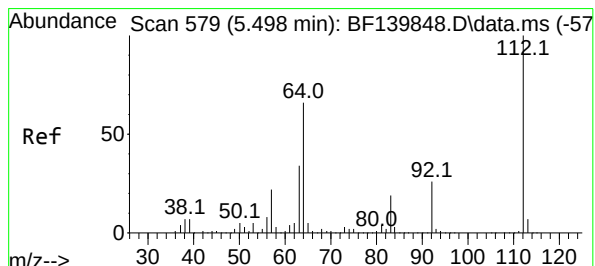
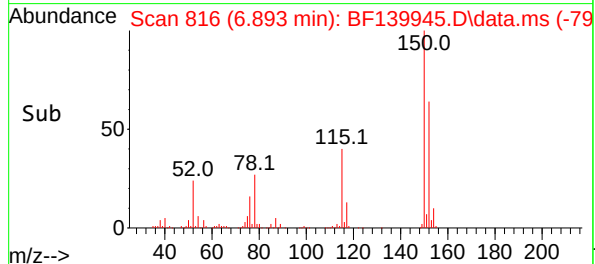
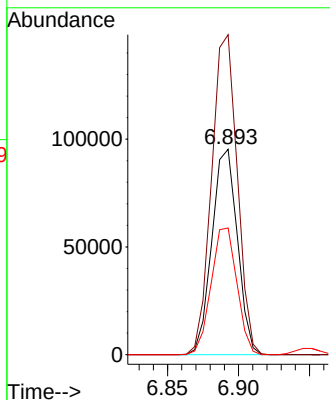
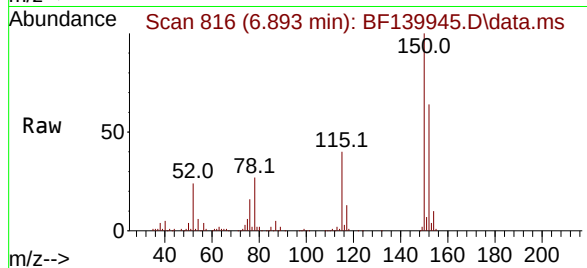




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 816
Delta R.T. 0.001 min
Lab File: BF139945.D
Acq: 22 Oct 2024 23:14

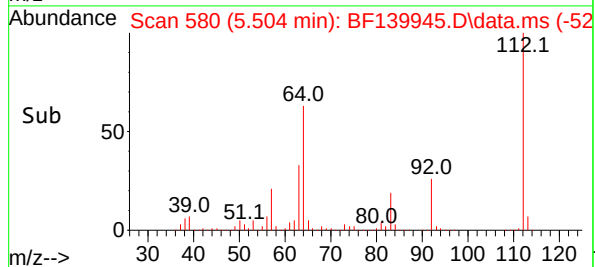
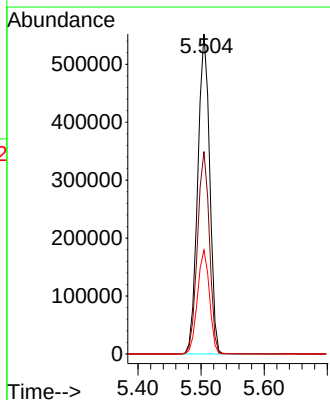
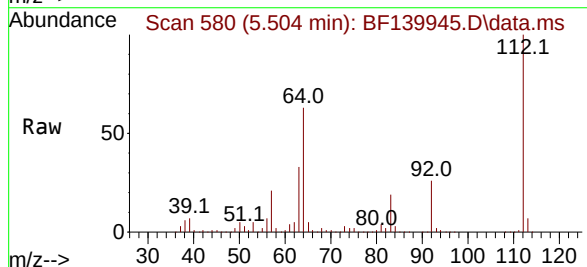
Instrument :
BNA_F
ClientSampleId :
SP-8

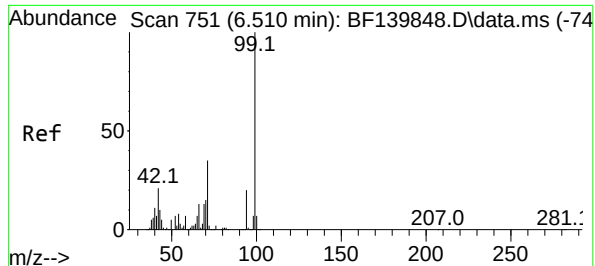
Tgt Ion:152 Resp: 119007
Ion Ratio Lower Upper
152 100
150 155.7 130.2 195.2
115 61.7 51.4 77.2



#5
2-Fluorophenol
Concen: 95.289 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF139945.D
Acq: 22 Oct 2024 23:14

Tgt Ion:112 Resp: 724377
Ion Ratio Lower Upper
112 100
64 63.2 53.0 79.6
63 32.5 27.0 40.4

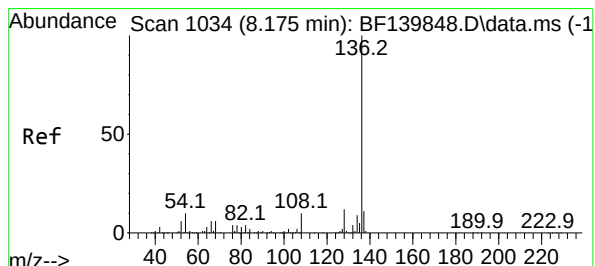
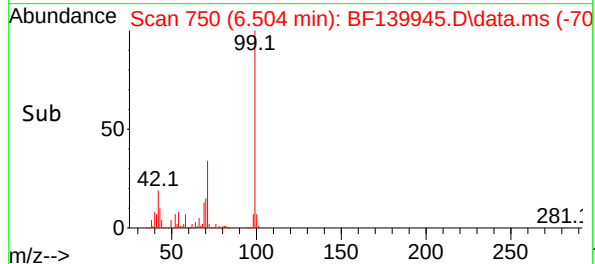
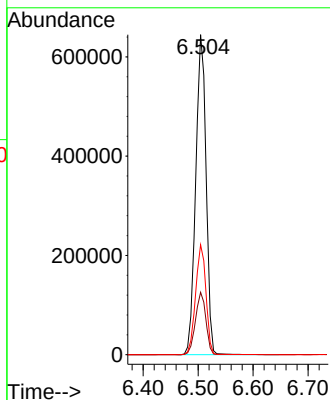
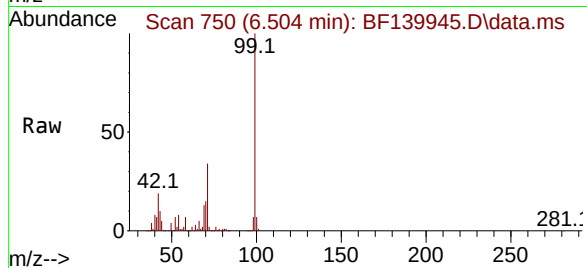




#7
Phenol-d6
Concen: 86.229 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF139945.D
Acq: 22 Oct 2024 23:14

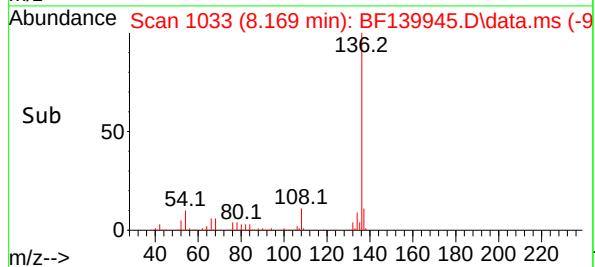
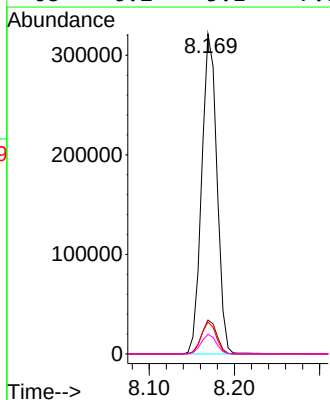
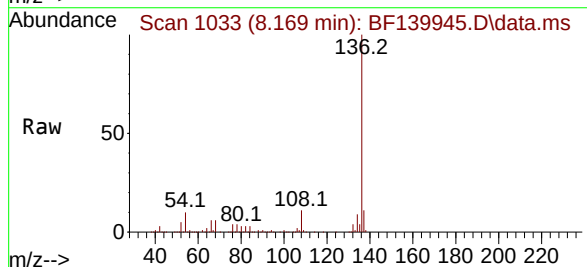
Instrument :
BNA_F
ClientSampleId :
SP-8

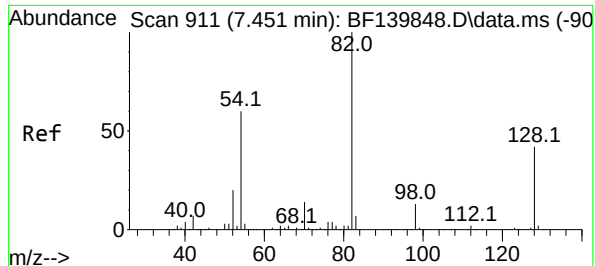
Tgt Ion	Ratio	Lower	Upper
99	100		
42	19.5	16.7	25.1
71	34.4	27.7	41.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF139945.D
Acq: 22 Oct 2024 23:14

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.6	12.8
54	10.0	8.4	12.6
68	6.2	5.1	7.7





#23

Nitrobenzene-d5

Concen: 76.051 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF139945.D

Acq: 22 Oct 2024 23:14

Instrument :

BNA_F

ClientSampleId :

SP-8

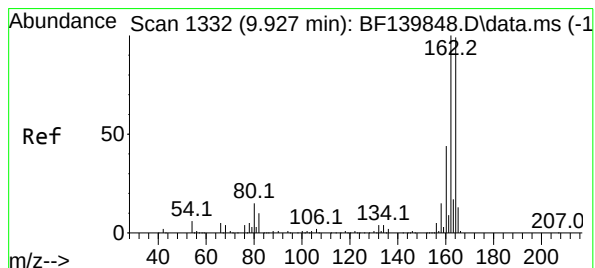
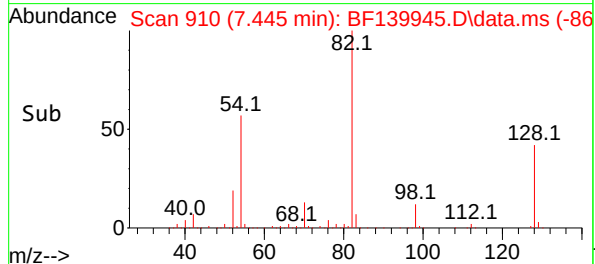
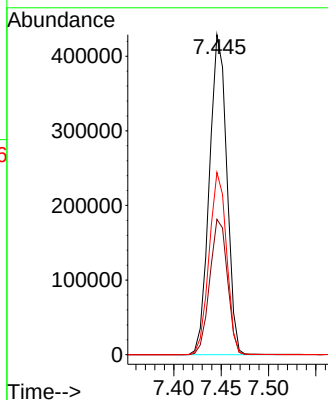
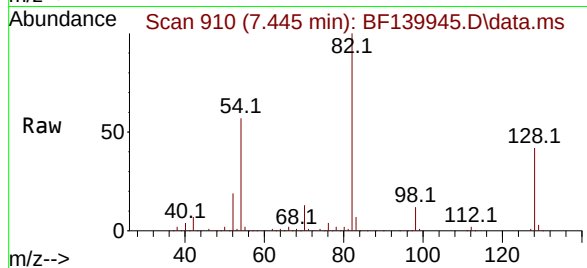
Tgt Ion: 82 Resp: 548950

Ion Ratio Lower Upper

82 100

128 42.3 33.4 50.0

54 57.0 47.8 71.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 1332

Delta R.T. 0.001 min

Lab File: BF139945.D

Acq: 22 Oct 2024 23:14

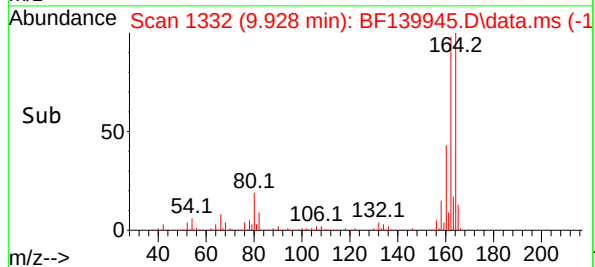
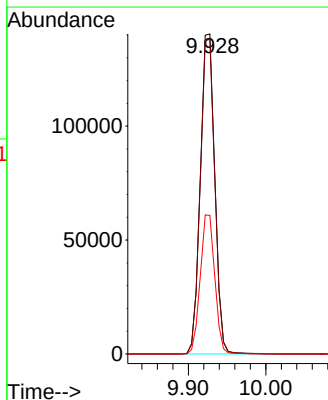
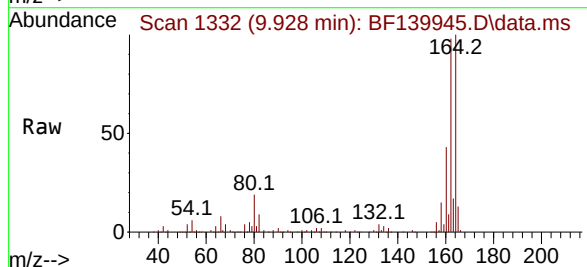
Tgt Ion:164 Resp: 182483

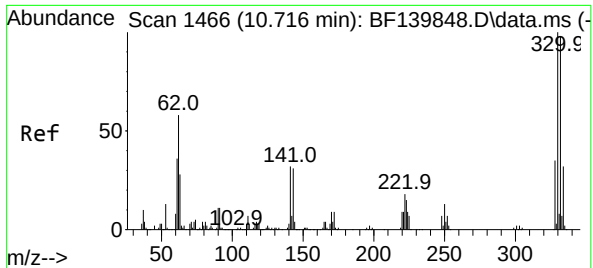
Ion Ratio Lower Upper

164 100

162 98.3 81.0 121.4

160 43.3 35.4 53.0

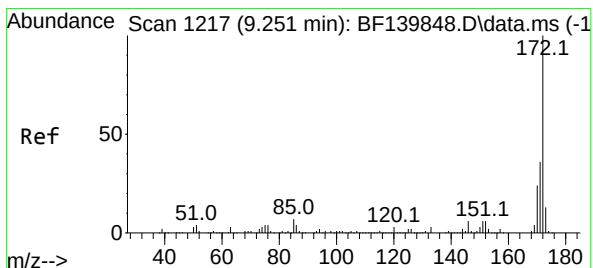
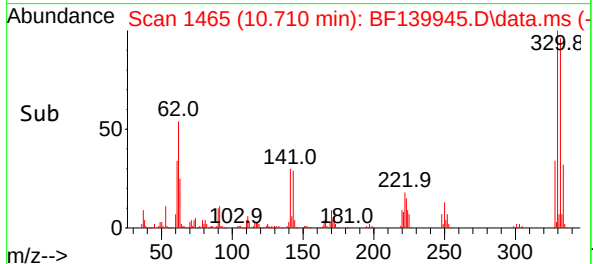
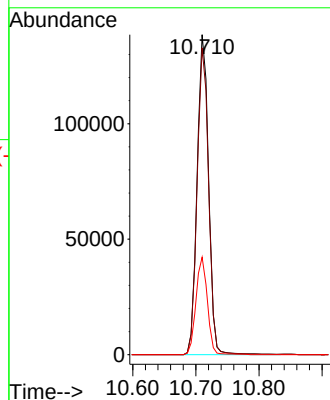
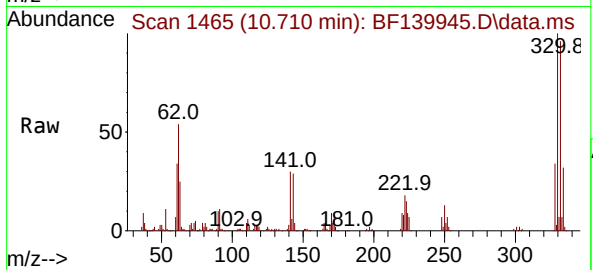




#42
2,4,6-Tribromophenol
Concen: 102.397 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF139945.D
Acq: 22 Oct 2024 23:14

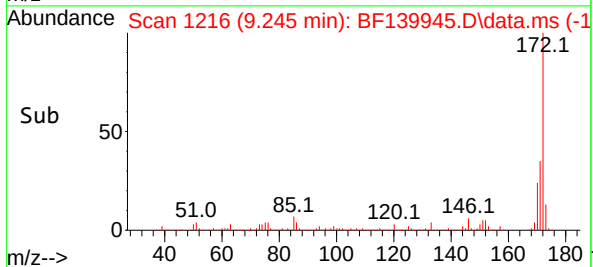
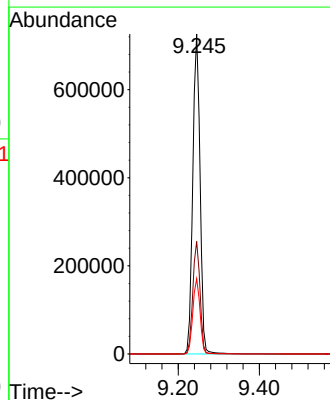
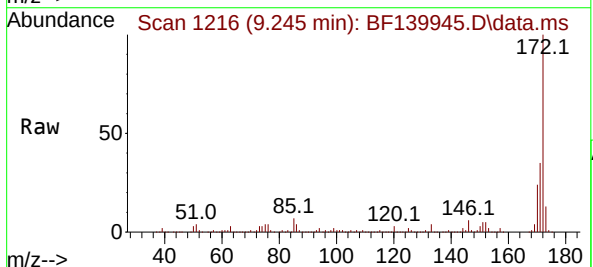
Instrument :
BNA_F
ClientSampleId :
SP-8

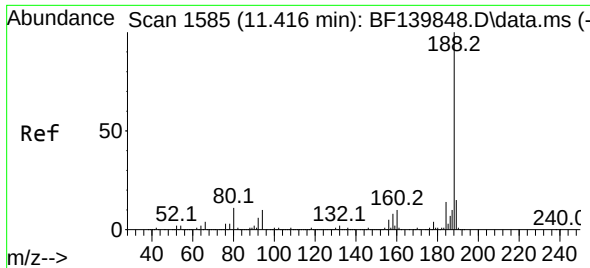
Tgt Ion:330 Resp: 174780
Ion Ratio Lower Upper
330 100
332 96.0 78.1 117.1
141 30.3 26.6 39.8



#45
2-Fluorobiphenyl
Concen: 81.699 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF139945.D
Acq: 22 Oct 2024 23:14

Tgt Ion:172 Resp: 902085
Ion Ratio Lower Upper
172 100
171 35.1 28.6 43.0
170 23.5 19.1 28.7

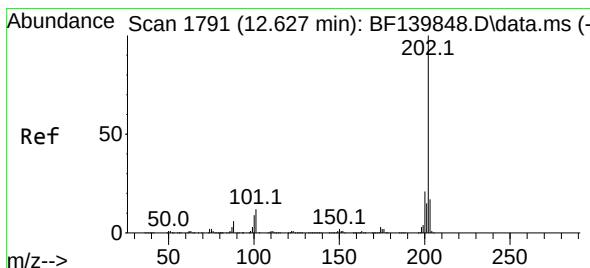
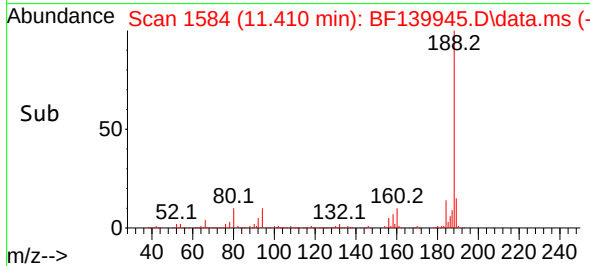
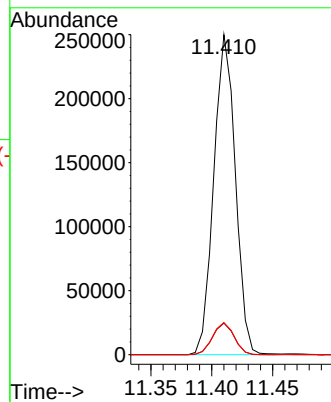
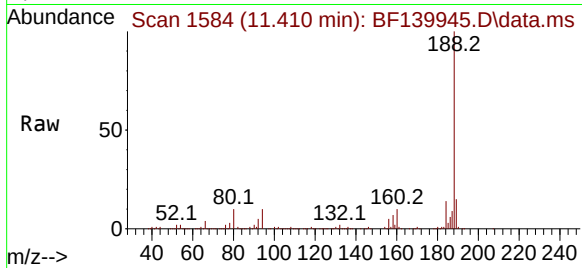




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139945.D
Acq: 22 Oct 2024 23:14

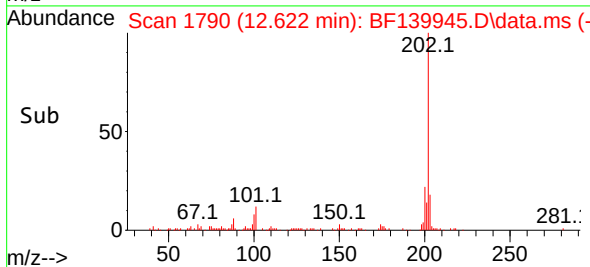
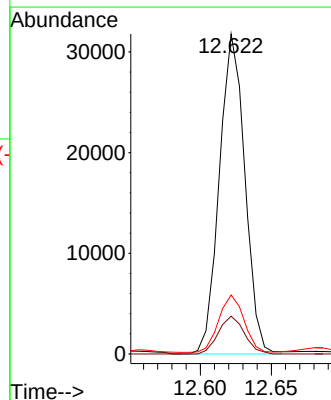
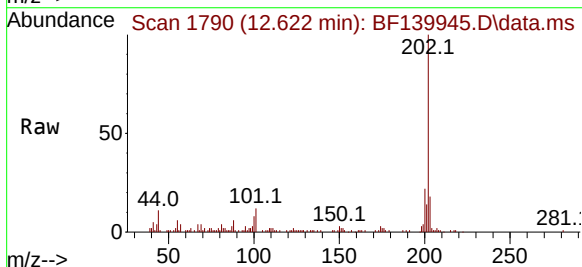
Instrument :
BNA_F
ClientSampleId :
SP-8

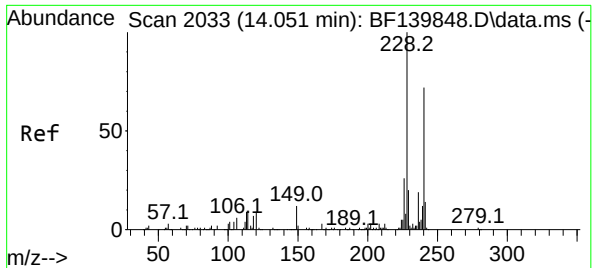
Tgt Ion:188 Resp: 307887
Ion Ratio Lower Upper
188 100
94 9.8 7.9 11.9
80 10.1 9.0 13.4



#75
Fluoranthene
Concen: 2.703 ng
RT: 12.622 min Scan# 1790
Delta R.T. -0.006 min
Lab File: BF139945.D
Acq: 22 Oct 2024 23:14

Tgt Ion:202 Resp: 39733
Ion Ratio Lower Upper
202 100
101 11.8 0.0 31.9
203 18.4 0.0 37.5

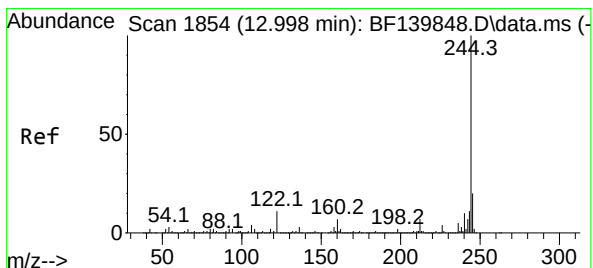
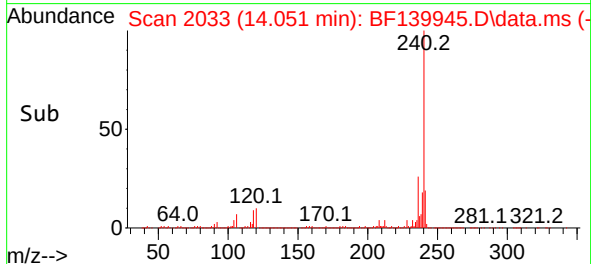
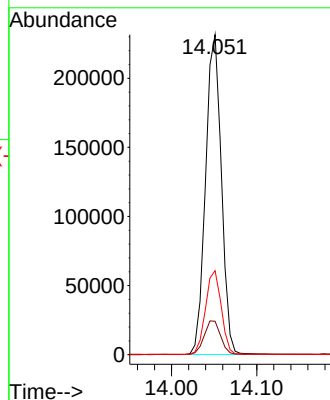
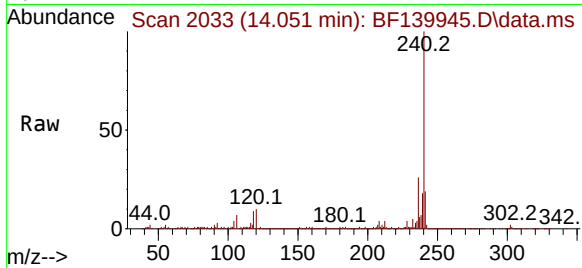




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF139945.D
Acq: 22 Oct 2024 23:14

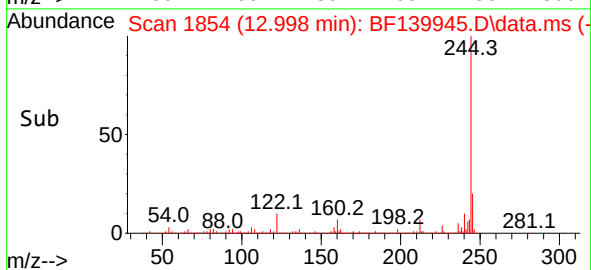
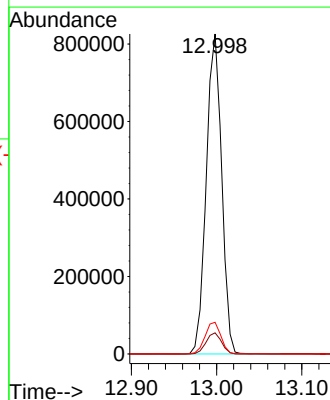
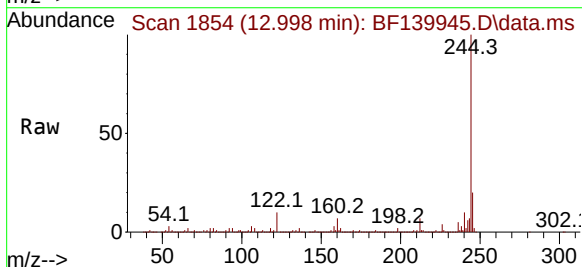
Instrument :
BNA_F
ClientSampleId :
SP-8

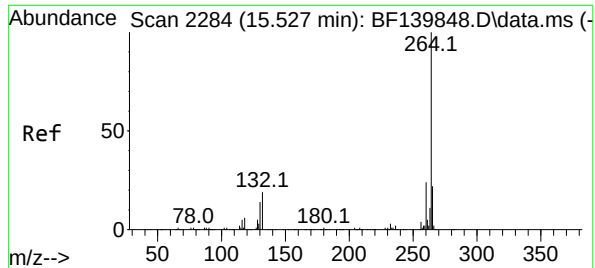
Tgt Ion:240 Resp: 297752
Ion Ratio Lower Upper
240 100
120 10.4 9.4 14.2
236 26.3 20.9 31.3



#79
Terphenyl-d14
Concen: 56.641 ng
RT: 12.998 min Scan# 1854
Delta R.T. 0.000 min
Lab File: BF139945.D
Acq: 22 Oct 2024 23:14

Tgt Ion:244 Resp: 1034993
Ion Ratio Lower Upper
244 100
212 6.6 5.7 8.5
122 9.9 8.6 13.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF139945.D

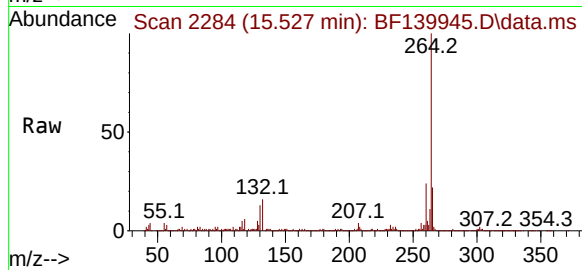
Acq: 22 Oct 2024 23:14

Instrument :

BNA_F

ClientSampleId :

SP-8



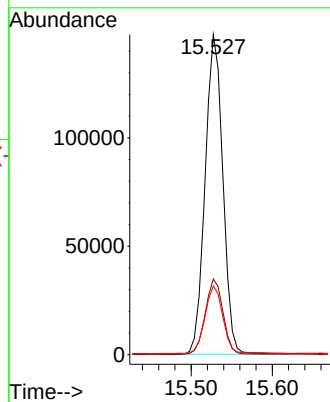
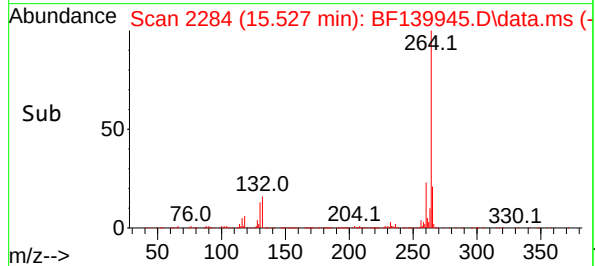
Tgt Ion:264 Resp: 223198

Ion Ratio Lower Upper

264 100

260 23.6 19.4 29.2

265 21.5 17.4 26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
 Data File : BF139945.D
 Acq On : 22 Oct 2024 23:14
 Operator : RC/JU
 Sample : P4385-16
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-8

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-BF101824.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF139945.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.181	7	15	22	rBV	1638561	2598081	97.23%	11.097%
2	5.110	506	513	520	rVB	138298	199047	7.45%	0.850%
3	5.504	574	580	585	rBV	1993105	2610716	97.70%	11.151%
4	6.504	744	750	755	rBV	1838805	2441364	91.36%	10.428%
5	6.893	810	816	821	rVB	572771	727034	27.21%	3.105%
6	7.445	904	910	915	rBV	1274006	1633778	61.14%	6.978%
7	7.698	949	953	959	rBV	72150	86093	3.22%	0.368%
8	8.169	1028	1033	1038	rBV	668457	830515	31.08%	3.547%
9	8.381	1063	1069	1077	rVB	31071	41581	1.56%	0.178%
10	9.245	1210	1216	1221	rBV	2094384	2577826	96.47%	11.010%
11	9.922	1326	1331	1336	rBV	591165	766494	28.68%	3.274%
12	10.634	1447	1452	1458	rBV	122615	156238	5.85%	0.667%
13	10.710	1460	1465	1476	rBV	1064122	1342860	50.25%	5.736%
14	11.410	1579	1584	1592	rBV	600910	779260	29.16%	3.328%
15	11.933	1664	1673	1685	rBV	331675	532273	19.92%	2.273%
16	12.622	1785	1790	1802	rBV	85881	158441	5.93%	0.677%
17	12.722	1802	1807	1815	rBV	53149	98319	3.68%	0.420%
18	12.851	1824	1829	1841	rVB2	73353	146070	5.47%	0.624%
19	12.998	1848	1854	1859	rBV	2106109	2672140	100.00%	11.413%
20	13.892	2001	2006	2014	rBV	309888	487740	18.25%	2.083%
21	14.051	2028	2033	2041	rVB	635050	878649	32.88%	3.753%
22	14.527	2110	2114	2126	rVB	96614	178178	6.67%	0.761%
23	15.180	2220	2225	2235	rVB	173043	357384	13.37%	1.526%
24	15.527	2279	2284	2297	rVB	384678	655296	24.52%	2.799%
25	15.774	2323	2326	2335	rVB2	65910	101916	3.81%	0.435%
26	16.016	2363	2367	2371	rBV	105388	163102	6.10%	0.697%
27	16.063	2372	2375	2386	rVB2	98014	192162	7.19%	0.821%

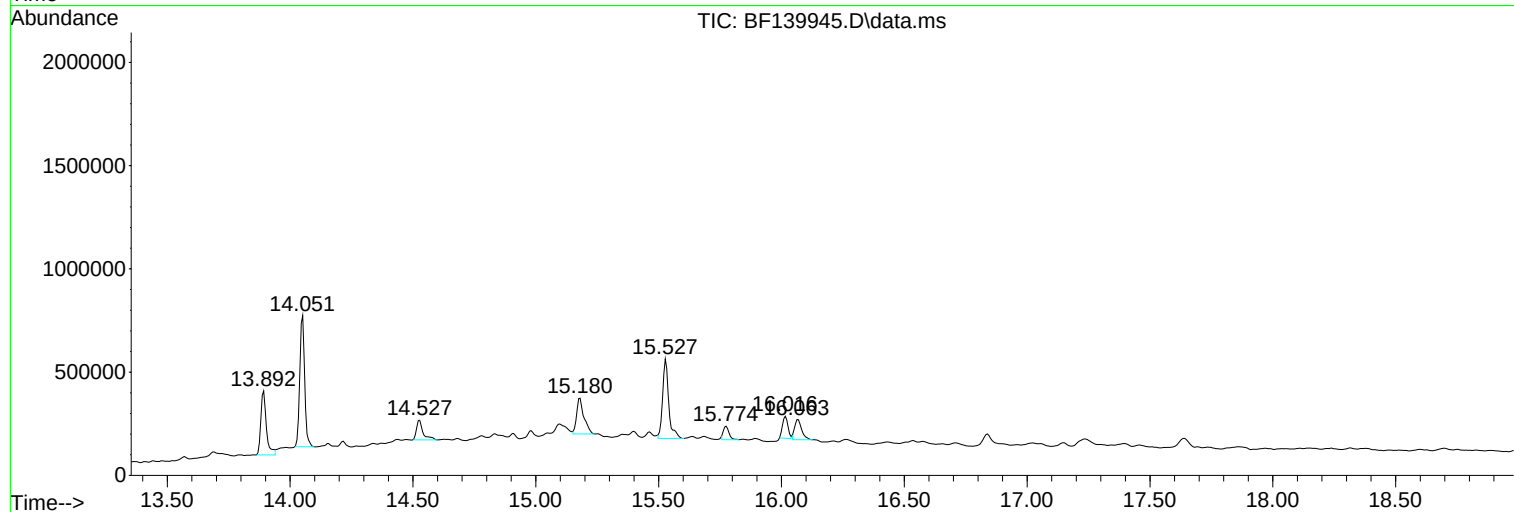
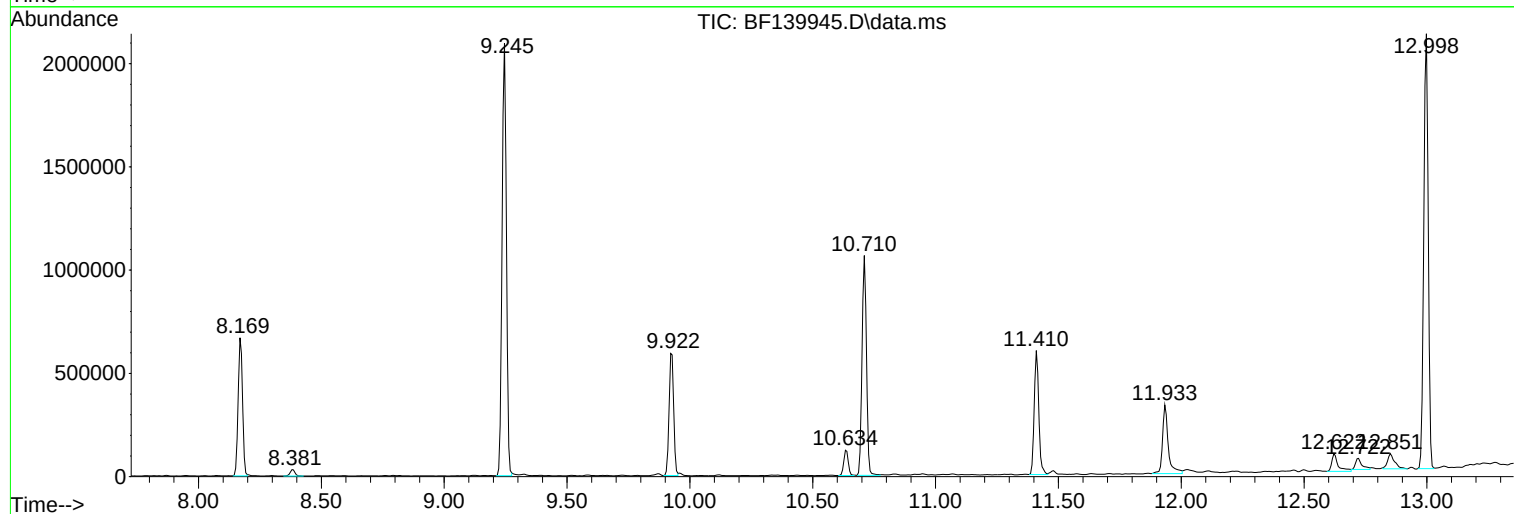
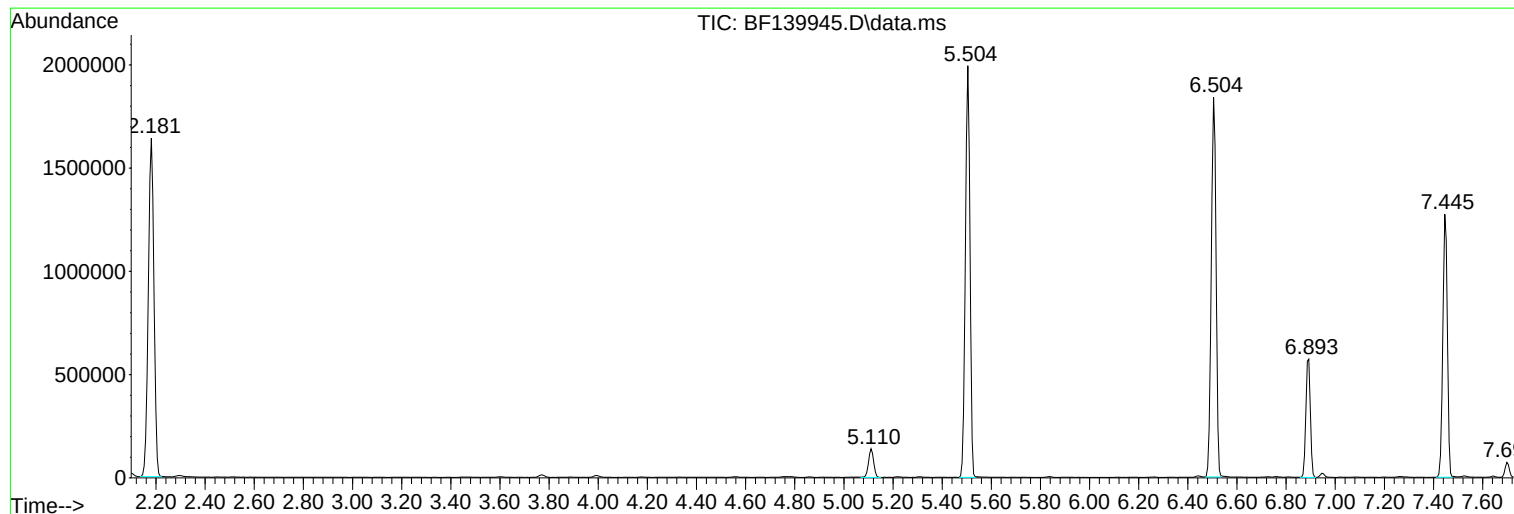
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Acq On : 22 Oct 2024 23:14
Operator : RC/JU
Sample : P4385-16
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-8

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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\BF102224\
Data File : BF139945.D
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Operator : RC/JU
Sample : P4385-16
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-8

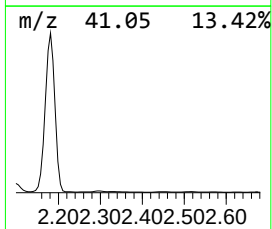
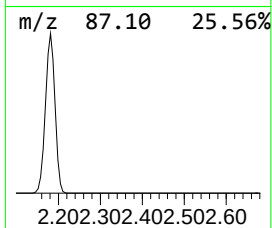
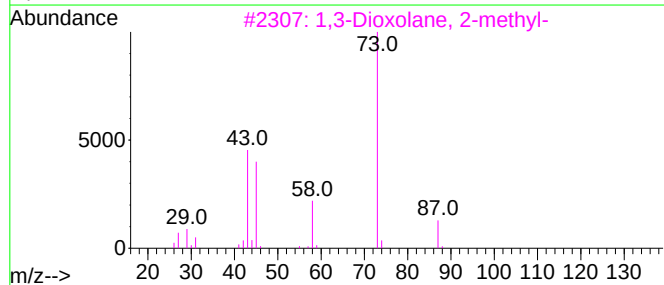
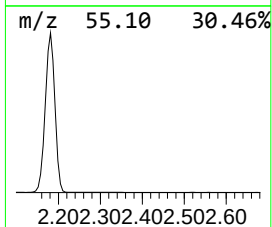
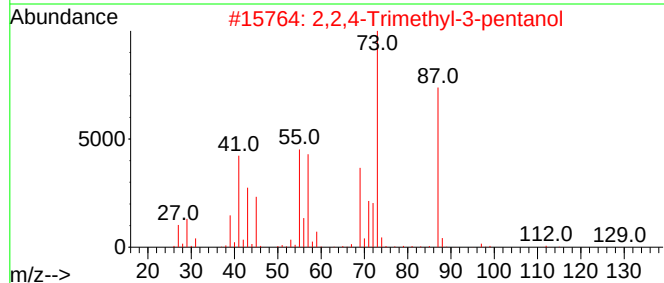
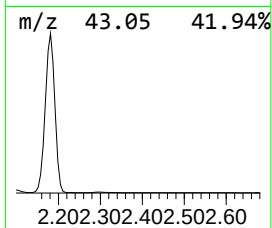
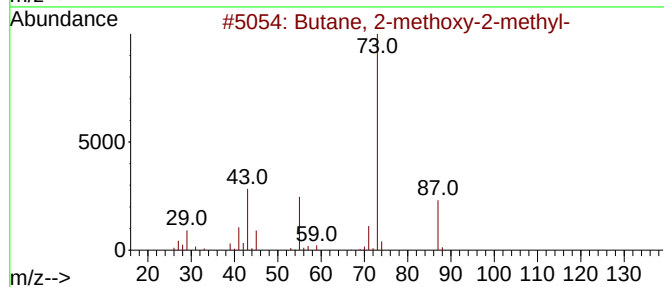
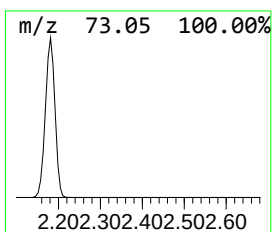
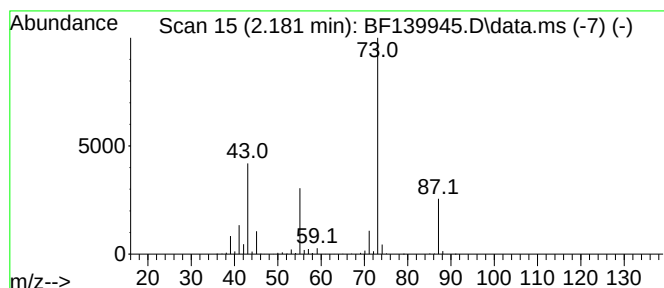
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.181	71.47 ng	2598080	1,4-Dichlorobenzene-d4	6.893

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3			1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
4			Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	17
5			Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
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Acq On : 22 Oct 2024 23:14
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Sample : P4385-16
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-8

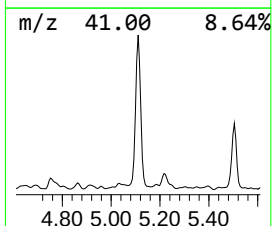
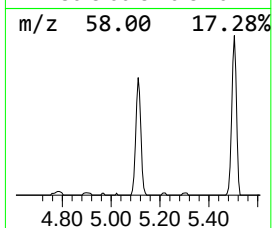
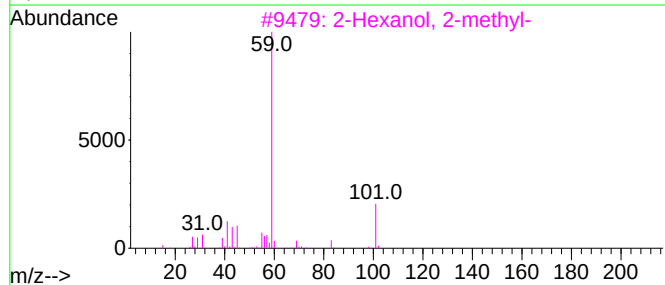
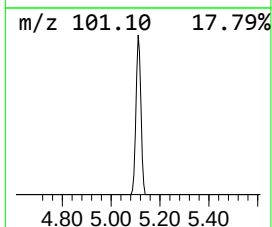
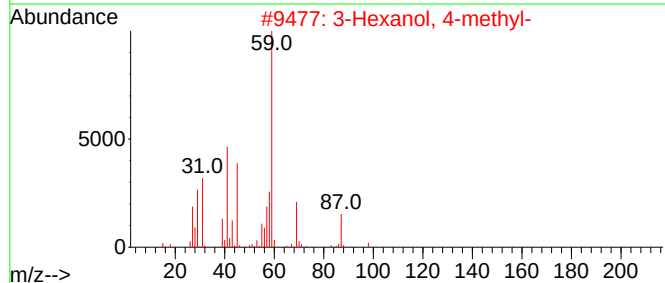
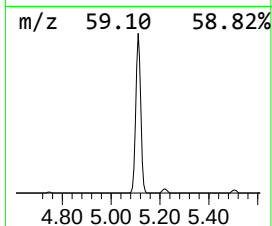
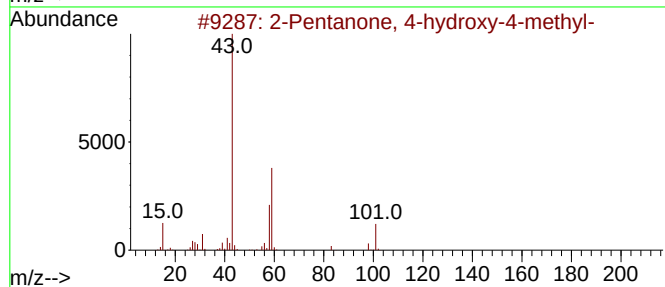
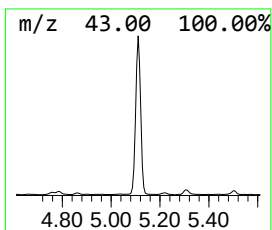
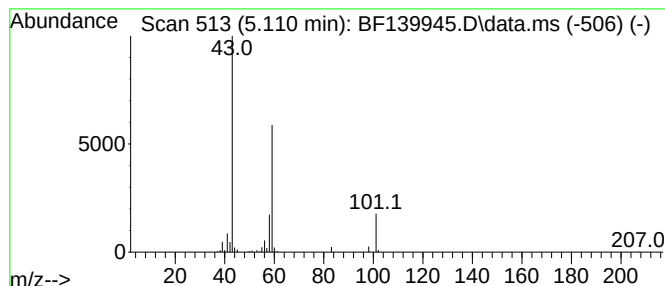
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.110	5.48 ng	199047	1,4-Dichlorobenzene-d4	6.893

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2			3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
3			2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28
4			2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	27
5			Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
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Sample : P4385-16
Misc :
ALS Vial : 20 Sample Multiplier: 1

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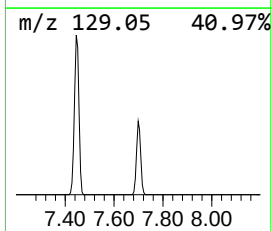
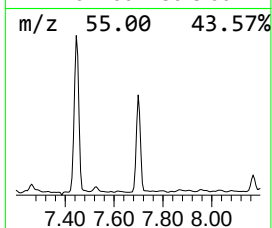
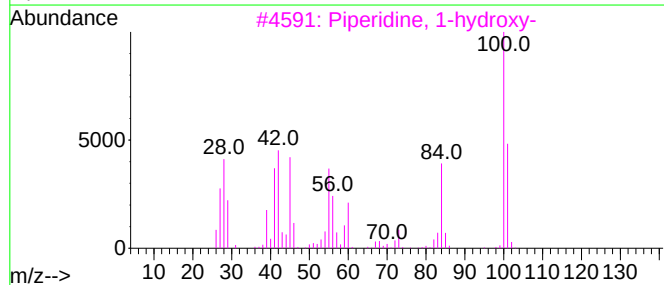
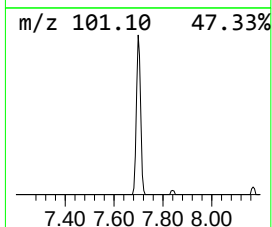
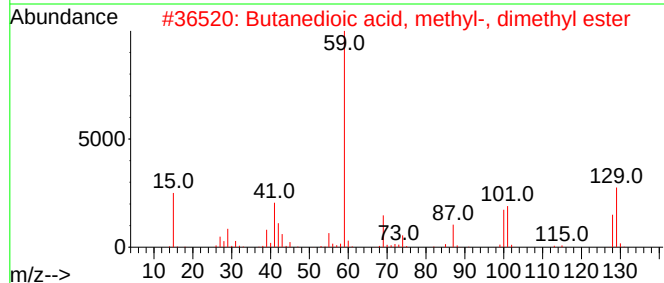
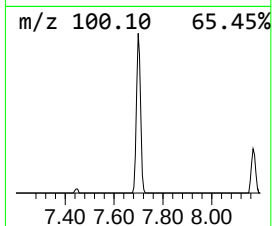
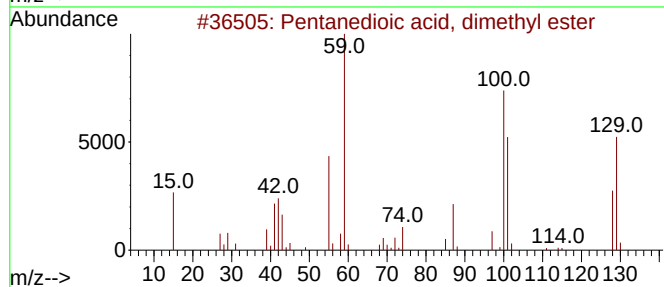
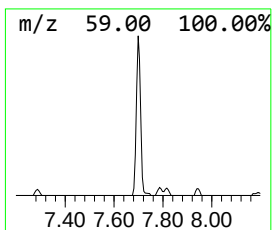
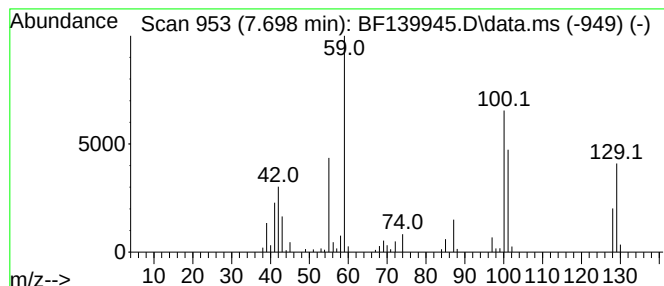
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Pentanedioic acid, dimethyl... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.698	2.07 ng	86093	Naphthalene-d8	8.169

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentanedioic acid, dimethyl ester	160	C7H12O4	001119-40-0	91
2			Butanedioic acid, methyl-, dimet...	160	C7H12O4	001604-11-1	59
3			Piperidine, 1-hydroxy-	101	C5H11NO	004801-58-5	30
4			Hydrazine, (1-methylethyl)-	74	C3H10N2	002257-52-5	22
5			2-Hydroxy-2-methyl-4-methylthioh...	188	C9H16O2S	1000187-67-9	12



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139945.D
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Sample : P4385-16
Misc :
ALS Vial : 20 Sample Multiplier: 1

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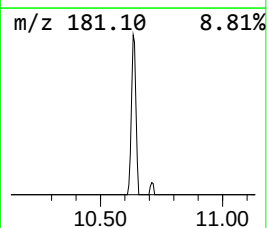
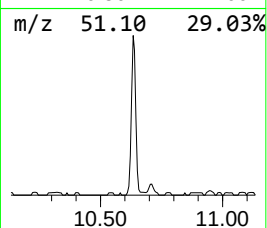
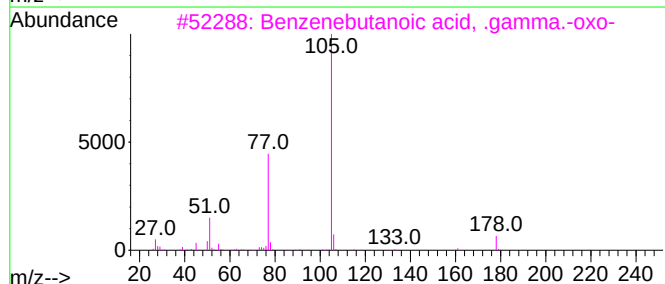
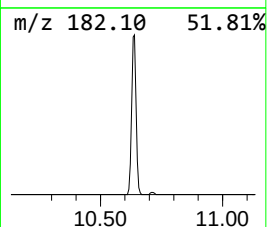
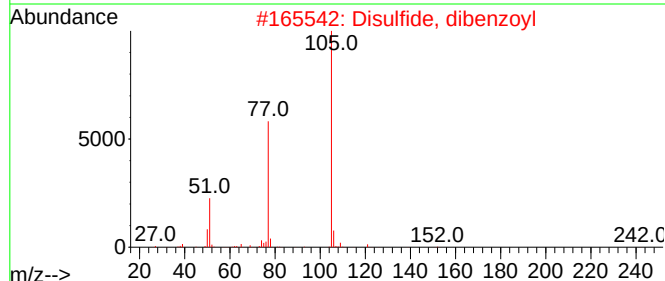
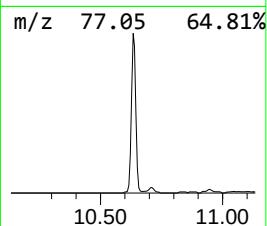
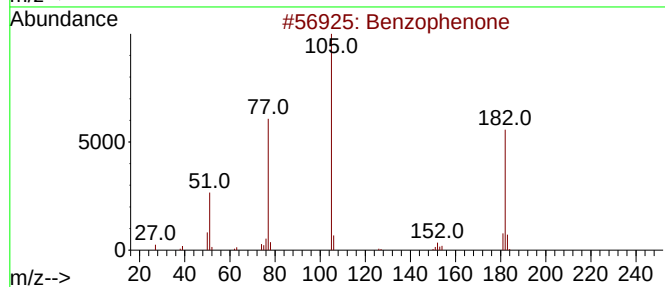
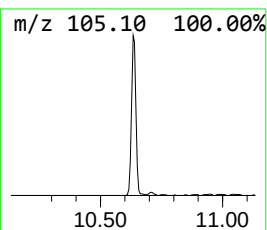
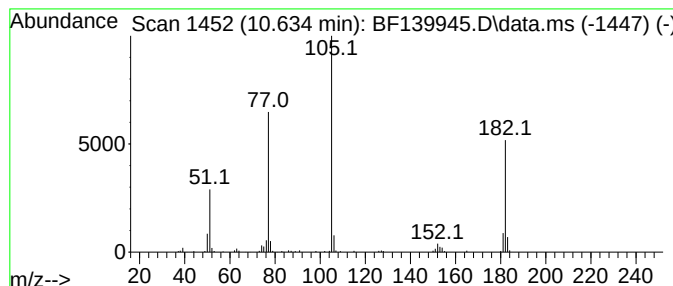
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Benzophenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.634	4.08 ng	156238	Acenaphthene-d10	9.928

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	49
3			Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	47
4			1-Propanone, 2-bromo-1-phenyl-	212	C9H9BrO	002114-00-3	47
5			1,2-Propanedione, 1-phenyl-	148	C9H8O2	000579-07-7	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
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Acq On : 22 Oct 2024 23:14
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Sample : P4385-16
Misc :
ALS Vial : 20 Sample Multiplier: 1

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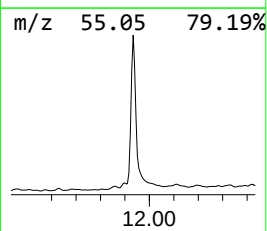
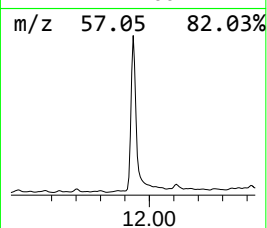
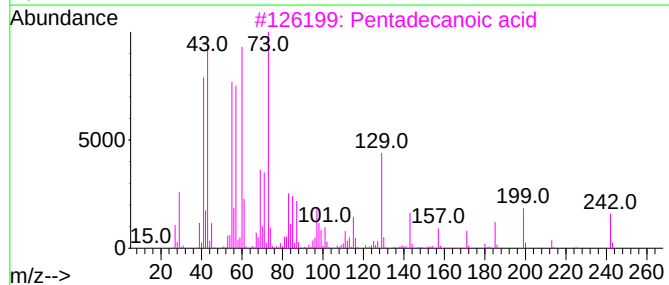
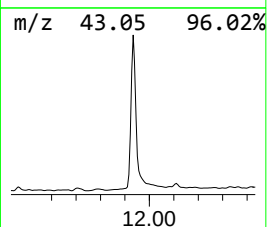
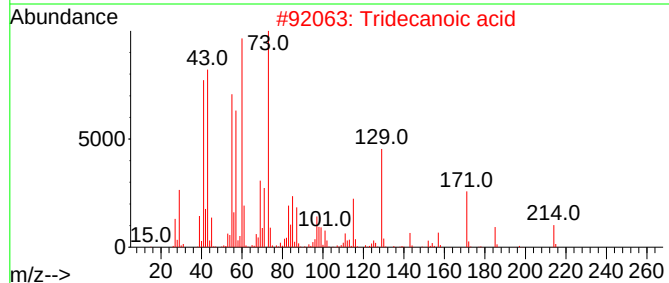
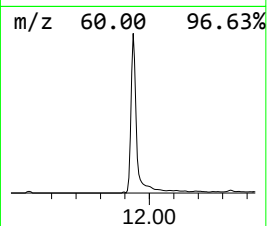
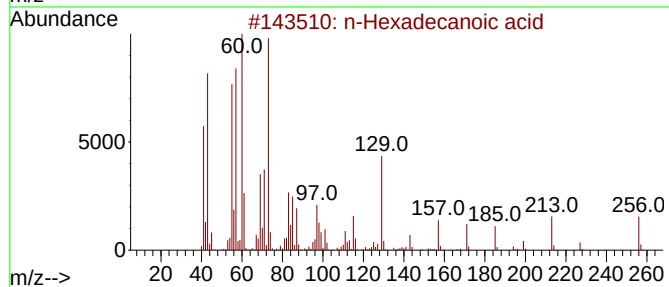
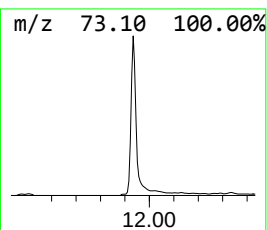
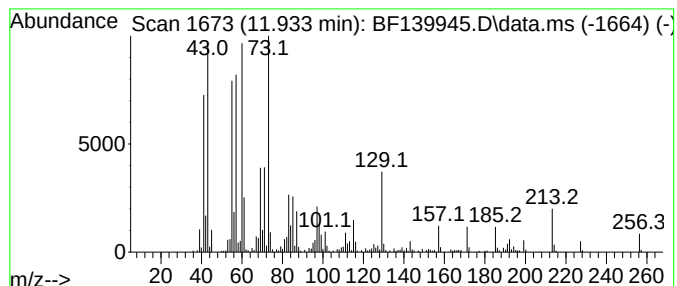
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.933	13.66 ng	532273	Phenanthrene-d10	11.410

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2			Tridecanoic acid	214	C13H26O2	000638-53-9	93
3			Pentadecanoic acid	242	C15H30O2	001002-84-2	91
4			Tetradecanoic acid	228	C14H28O2	000544-63-8	83
5			8-Methylnonanoic acid	172	C10H20O2	005963-14-4	78



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
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Misc :
ALS Vial : 20 Sample Multiplier: 1

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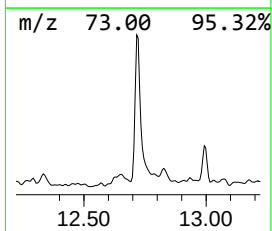
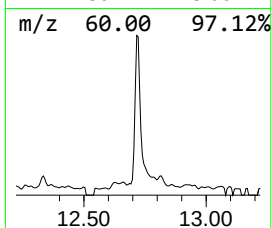
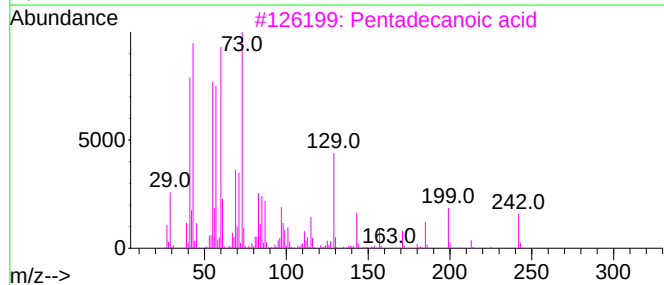
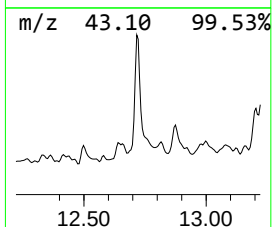
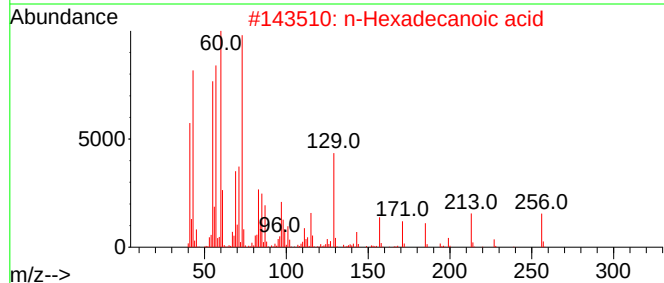
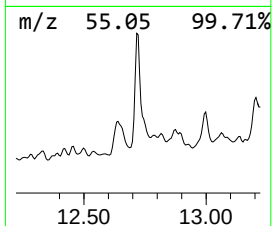
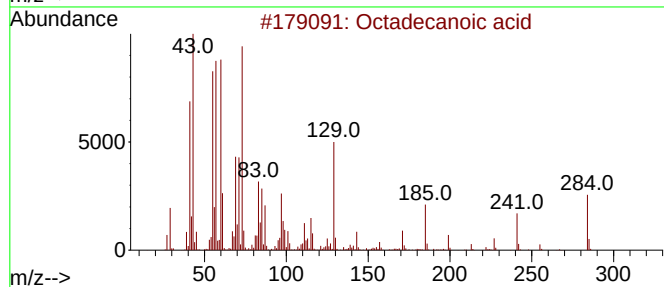
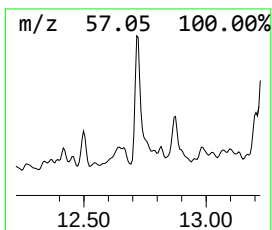
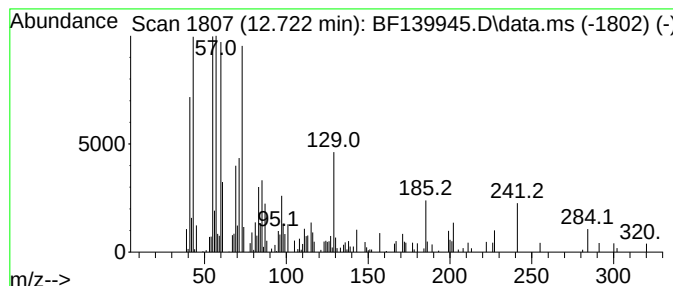
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Octadecanoic acid Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.722	2.52 ng	98319	Phenanthrene-d10	11.410

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	87
3			Pentadecanoic acid	242	C15H30O2	001002-84-2	87
4			n-Decanoic acid	172	C10H20O2	000334-48-5	86
5			Tetradecanoic acid	228	C14H28O2	000544-63-8	83



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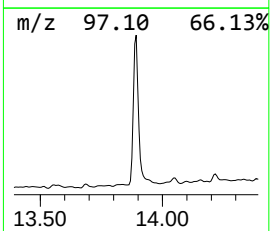
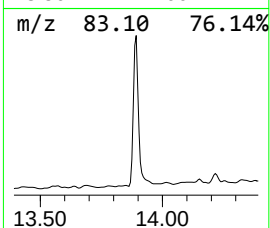
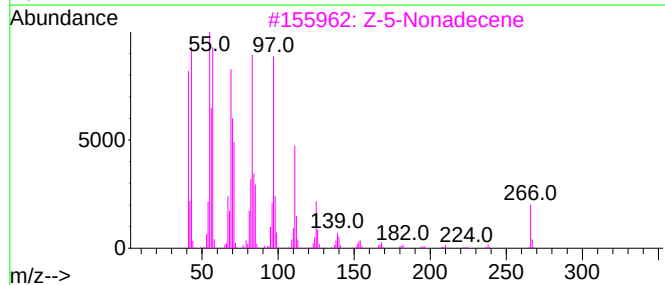
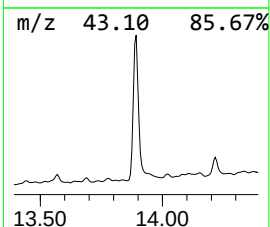
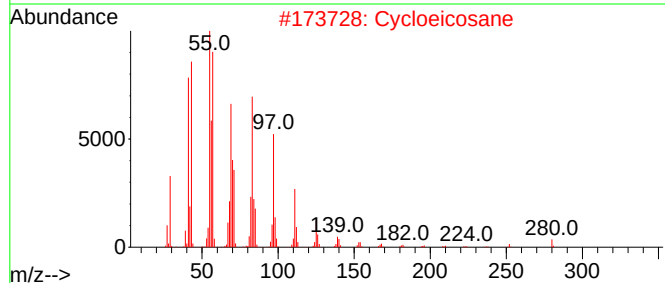
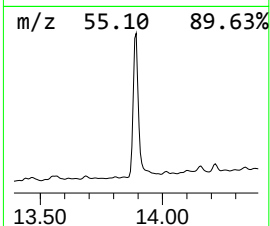
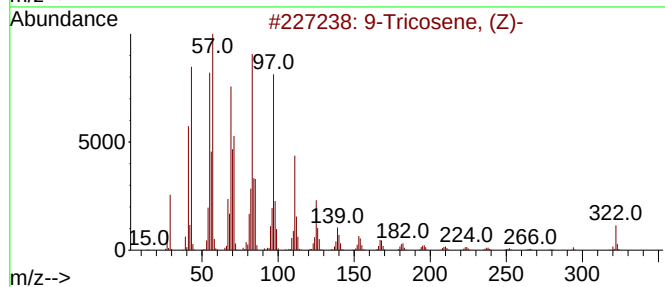
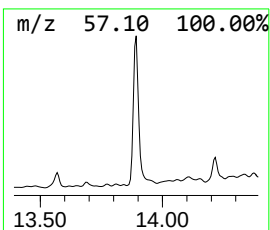
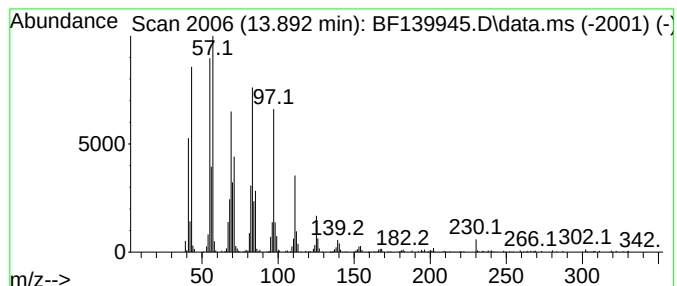
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 9-Tricosene, (Z)- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.892	11.10 ng	487740	Chrysene-d12	14.051

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Tricosene, (Z)-			322	C23H46	027519-02-4	99
2	Cycloeicosane			280	C20H40	000296-56-0	95
3	Z-5-Nonadecene			266	C19H38	1000131-11-8	94
4	1-Docosene			308	C22H44	001599-67-3	94
5	1-Heneicosyl formate			340	C22H44O2	077899-03-7	94



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139945.D
Acq On : 22 Oct 2024 23:14
Operator : RC/JU
Sample : P4385-16
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-8

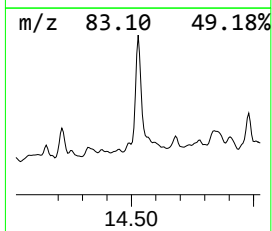
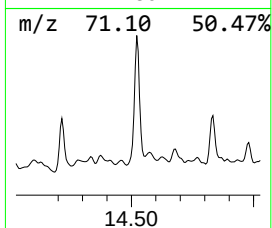
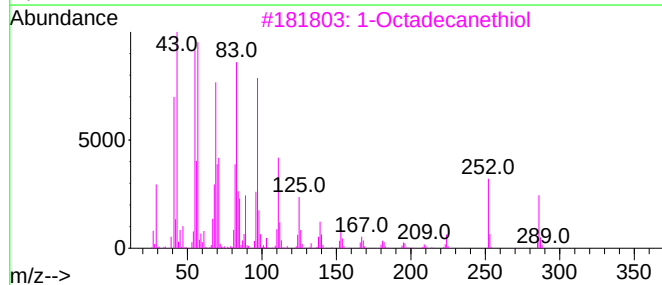
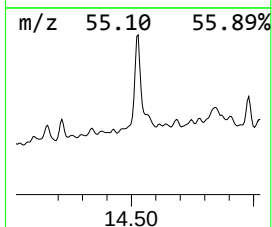
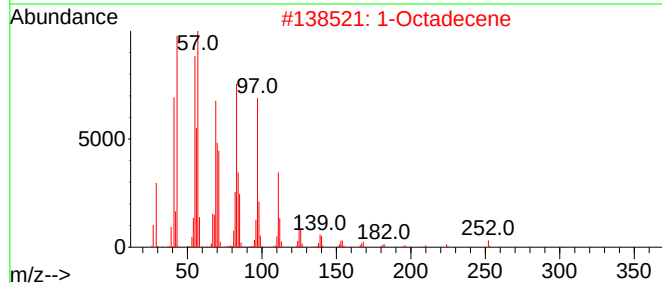
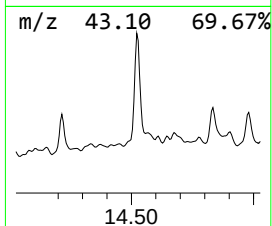
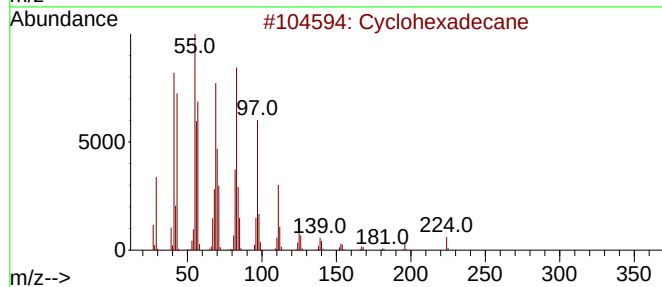
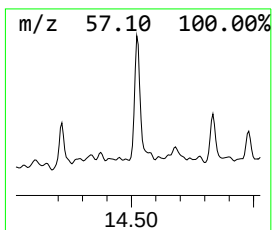
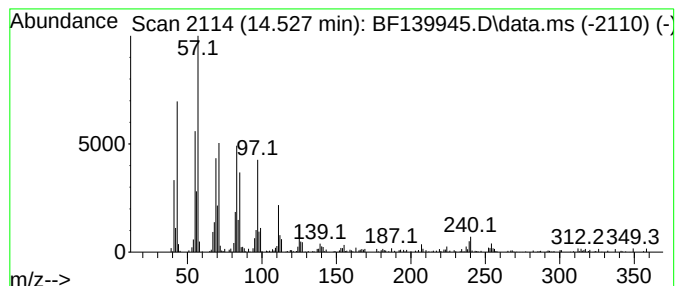
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Cyclohexadecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.527	4.06 ng	178178	Chrysene-d12	14.051

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexadecane	224	C16H32	000295-65-8	95
2			1-Octadecene	252	C18H36	000112-88-9	92
3			1-Octadecanethiol	286	C18H38S	002885-00-9	92
4			Pentadecafluorooctanoic acid, he...	652	C25H35F15O2	1000406-04-7	90
5			Tricosyl trifluoroacetate	436	C25H47F3O2	1000351-75-1	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139945.D
Acq On : 22 Oct 2024 23:14
Operator : RC/JU
Sample : P4385-16
Misc :
ALS Vial : 20 Sample Multiplier: 1

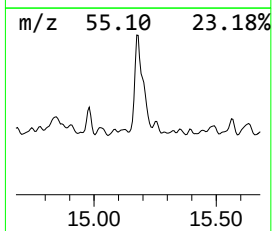
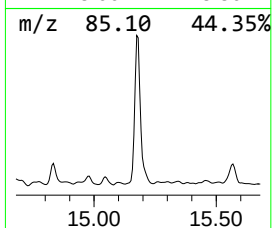
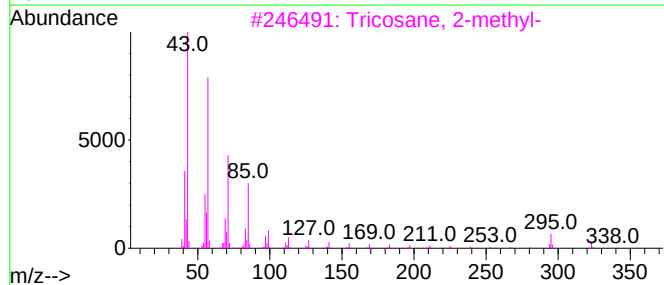
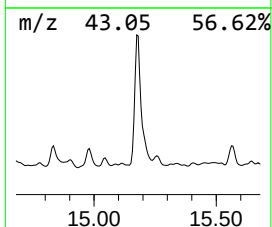
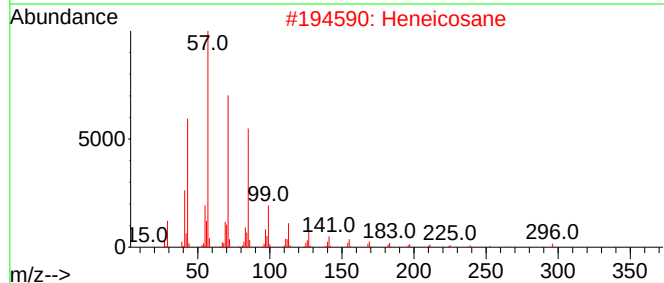
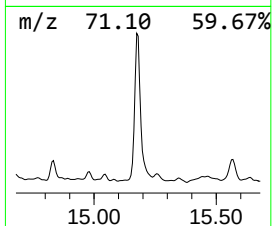
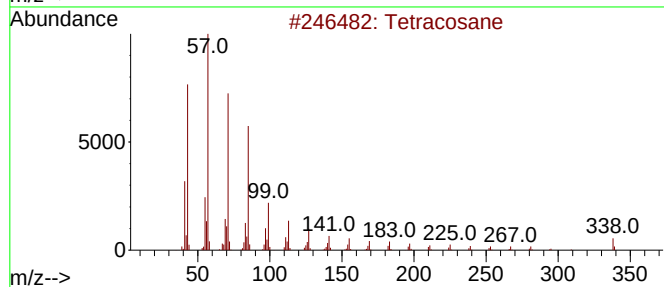
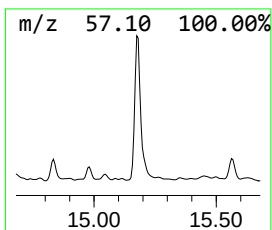
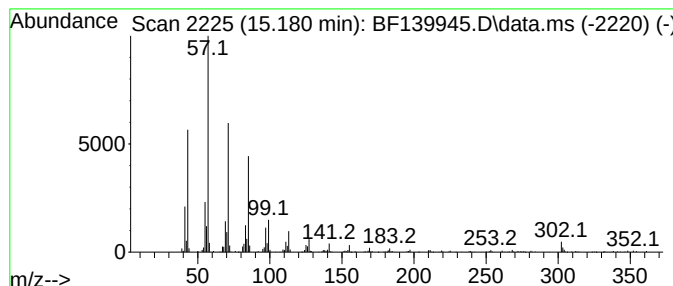
Instrument :
BNA_F
ClientSampleId :
SP-8

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Tetracosane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.180	10.91 ng	357384	Perylene-d12	15.527	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	95
2	Heneicosane	296	C21H44	000629-94-7	90
3	Tricosane, 2-methyl-	338	C24H50	001928-30-9	90
4	Hexacosane	366	C26H54	000630-01-3	90
5	Tetratetracontane	619	C44H90	007098-22-8	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139945.D
Acq On : 22 Oct 2024 23:14
Operator : RC/JU
Sample : P4385-16
Misc :
ALS Vial : 20 Sample Multiplier: 1

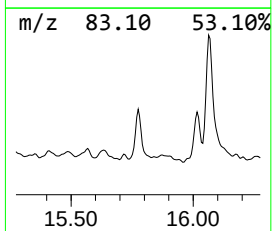
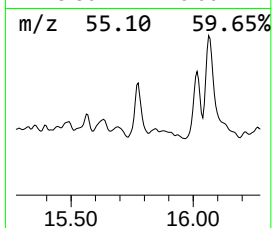
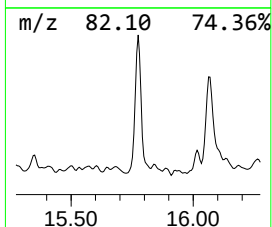
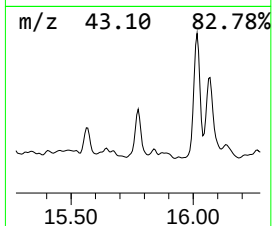
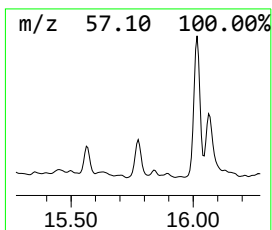
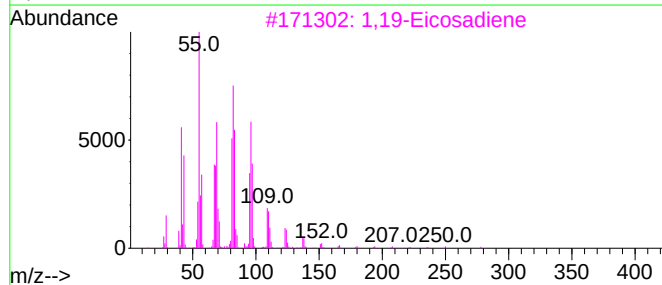
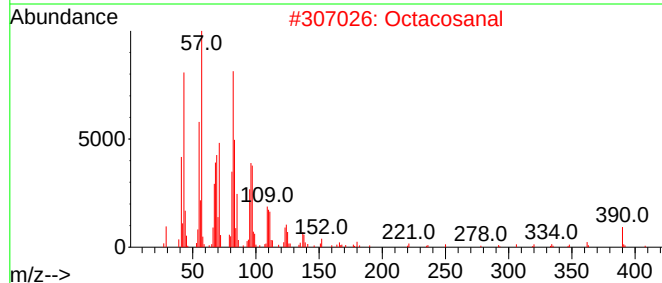
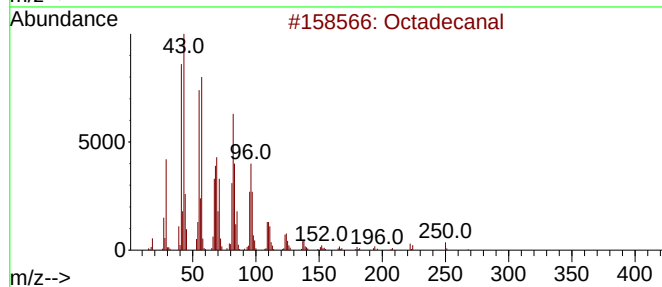
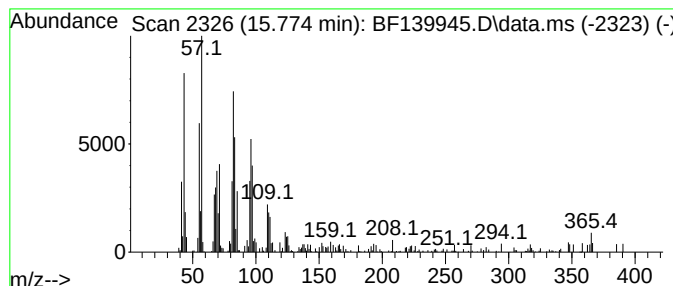
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Octadecanal Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.774	3.11 ng	101916	Perylene-d12	15.527	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanal	268	C18H36O	000638-66-4	94
2	Octacosanal	408	C28H56O	022725-64-0	87
3	1,19-Eicosadiene	278	C20H38	014811-95-1	81
4	9-Octadecen-1-ol, (E)-	268	C18H36O	000506-42-3	60
5	1-Hexacosene	364	C26H52	018835-33-1	58



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139945.D
Acq On : 22 Oct 2024 23:14
Operator : RC/JU
Sample : P4385-16
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-8

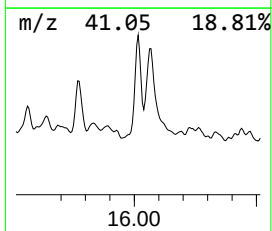
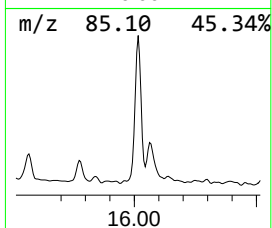
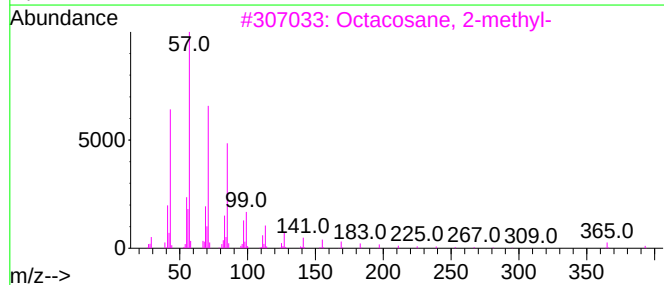
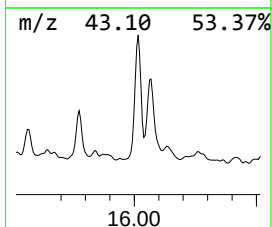
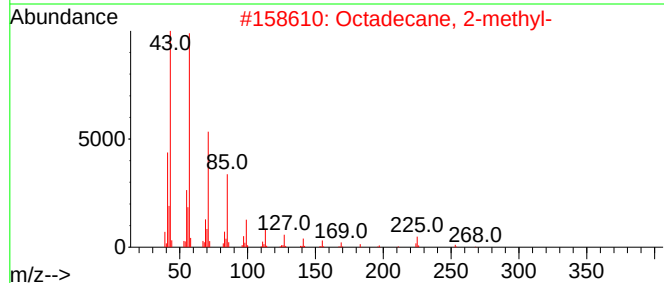
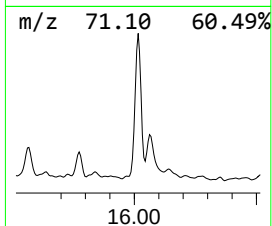
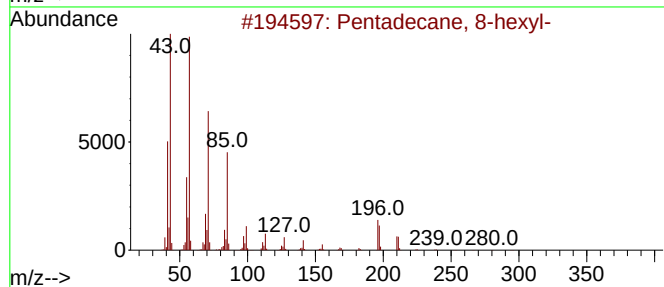
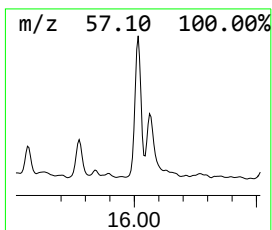
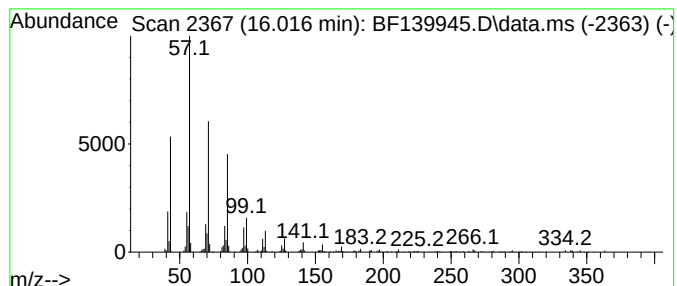
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Pentadecane, 8-hexyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.015	4.98 ng	163102	Perylene-d12	15.527

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	94
2		Octadecane, 2-methyl-	268	C19H40	001560-88-9	94
3		Octacosane, 2-methyl-	408	C29H60	001560-98-1	91
4		Heptacosane	380	C27H56	000593-49-7	91
5		Eicosane	282	C20H42	000112-95-8	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139945.D
Acq On : 22 Oct 2024 23:14
Operator : RC/JU
Sample : P4385-16
Misc :
ALS Vial : 20 Sample Multiplier: 1

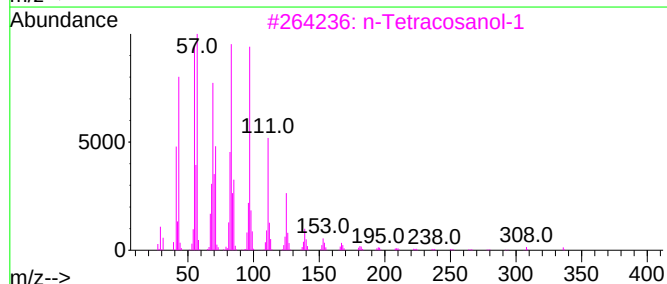
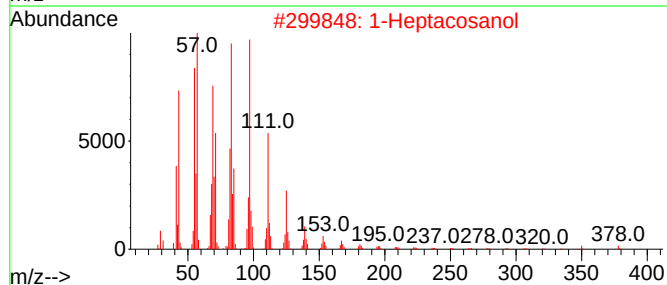
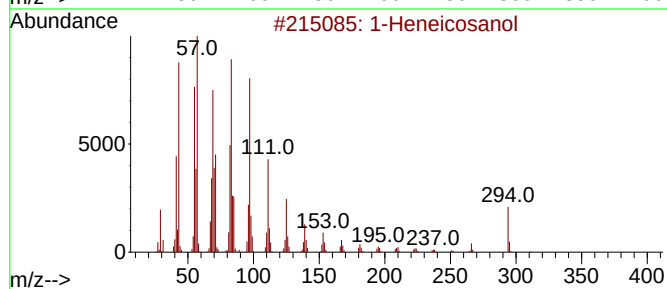
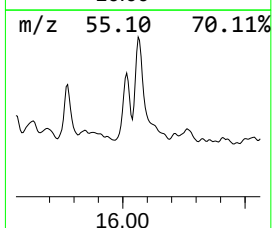
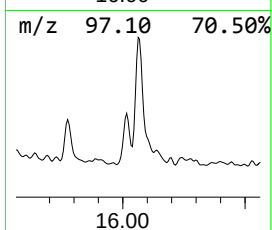
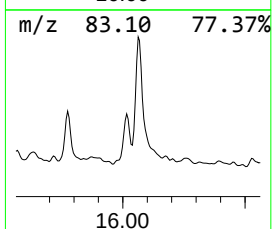
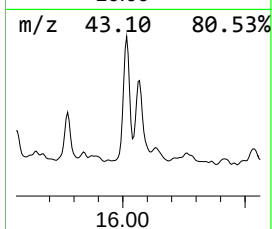
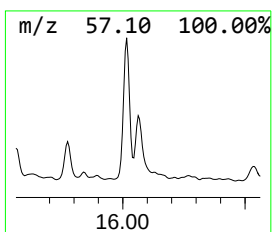
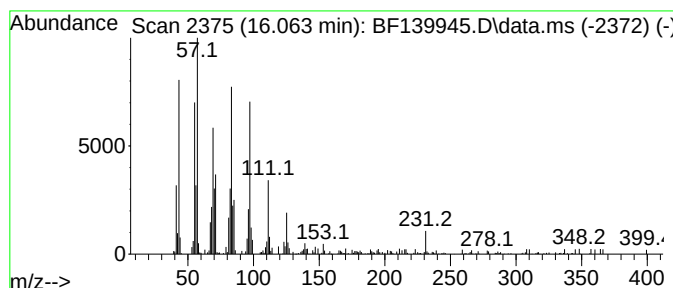
Instrument :
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ClientSampleId :
SP-8

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 1-Heneicosanol Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
16.063	5.86 ng	192162	Perylene-d12	15.527	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heneicosanol	312	C21H44O	015594-90-8	95
2	1-Heptacosanol	396	C27H56O	002004-39-9	93
3	n-Tetracosanol-1	354	C24H50O	000506-51-4	93
4	1-Docosene	308	C22H44	001599-67-3	93
5	Cyclohexane, 1,4-didecyl-	364	C26H52	055334-20-8	89



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139945.D
Acq On : 22 Oct 2024 23:14
Operator : RC/JU
Sample : P4385-16
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-8

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.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
Butane, 2-metho...	2.181	71.5	ng	2598080	1	6.893	727034	20.0
2-Pentanone, 4-...	5.110	5.5	ng	199047	1	6.893	727034	20.0
Pentanedioic ac...	7.698	2.1	ng	86093	2	8.169	830515	20.0
Benzophenone	10.634	4.1	ng	156238	3	9.928	766494	20.0
n-Hexadecanoic ...	11.933	13.7	ng	532273	4	11.410	779260	20.0
Octadecanoic acid	12.722	2.5	ng	98319	4	11.410	779260	20.0
9-Tricosene, (Z)-	13.892	11.1	ng	487740	5	14.051	878649	20.0
Cyclohexadecane	14.527	4.1	ng	178178	5	14.051	878649	20.0
Tetracosane	15.180	10.9	ng	357384	6	15.527	655296	20.0
Octadecanal	15.774	3.1	ng	101916	6	15.527	655296	20.0
Pentadecane, 8-...	16.015	5.0	ng	163102	6	15.527	655296	20.0
1-Heneicosanol	16.063	5.9	ng	192162	6	15.527	655296	20.0

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-9	SDG No.:	P4385
Lab Sample ID:	P4385-18	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.4
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139946.D	1	10/11/24 09:38	10/22/24 23:43	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	190	U	190	350	ug/Kg
108-95-2	Phenol	88.7	U	88.7	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	89.6	U	89.6	180	ug/Kg
95-57-8	2-Chlorophenol	89.3	U	89.3	180	ug/Kg
95-48-7	2-Methylphenol	86.2	U	86.2	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	97.3	U	97.3	180	ug/Kg
98-86-2	Acetophenone	93.0	U	93.0	180	ug/Kg
65794-96-9	3+4-Methylphenols	85.4	U	85.4	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	43.1	U	43.1	85.6	ug/Kg
67-72-1	Hexachloroethane	88.8	U	88.8	180	ug/Kg
98-95-3	Nitrobenzene	97.2	U	97.2	180	ug/Kg
78-59-1	Isophorone	90.5	U	90.5	180	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	180	ug/Kg
105-67-9	2,4-Dimethylphenol	99.7	U	99.7	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	91.8	U	91.8	180	ug/Kg
120-83-2	2,4-Dichlorophenol	80.8	U	80.8	180	ug/Kg
91-20-3	Naphthalene	88.4	U	88.4	180	ug/Kg
106-47-8	4-Chloroaniline	88.4	UQ	88.4	180	ug/Kg
87-68-3	Hexachlorobutadiene	89.1	U	89.1	180	ug/Kg
105-60-2	Caprolactam	92.9	U	92.9	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	82.9	U	82.9	180	ug/Kg
91-57-6	2-Methylnaphthalene	88.3	U	88.3	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	170	UQ	170	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	76.4	U	76.4	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	79.2	U	79.2	180	ug/Kg
92-52-4	1,1-Biphenyl	93.5	U	93.5	180	ug/Kg
91-58-7	2-Chloronaphthalene	89.1	U	89.1	180	ug/Kg
88-74-4	2-Nitroaniline	100	U	100	180	ug/Kg
131-11-3	Dimethylphthalate	87.4	U	87.4	180	ug/Kg

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-9	SDG No.:	P4385
Lab Sample ID:	P4385-18	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.4
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139946.D	1	10/11/24 09:38	10/22/24 23:43	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	92.6	U	92.6	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	89.0	U	89.0	180	ug/Kg
99-09-2	3-Nitroaniline	95.4	UQ	95.4	180	ug/Kg
83-32-9	Acenaphthene	86.8	U	86.8	180	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	350	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	350	ug/Kg
132-64-9	Dibenzofuran	90.3	U	90.3	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	92.2	U	92.2	180	ug/Kg
84-66-2	Diethylphthalate	85.7	U	85.7	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	91.6	U	91.6	180	ug/Kg
86-73-7	Fluorene	91.5	U	91.5	180	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	UQ	130	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	87.3	U	87.3	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	84.4	U	84.4	180	ug/Kg
118-74-1	Hexachlorobenzene	90.9	U	90.9	180	ug/Kg
1912-24-9	Atrazine	97.8	U	97.8	180	ug/Kg
87-86-5	Pentachlorophenol	82.7	U	82.7	350	ug/Kg
85-01-8	Phenanthrene	89.9	U	89.9	180	ug/Kg
120-12-7	Anthracene	90.3	U	90.3	180	ug/Kg
86-74-8	Carbazole	85.9	U	85.9	180	ug/Kg
84-74-2	Di-n-butylphthalate	90.2	U	90.2	180	ug/Kg
206-44-0	Fluoranthene	87.4	U	87.4	180	ug/Kg
129-00-0	Pyrene	88.8	U	88.8	180	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	350	ug/Kg
56-55-3	Benzo(a)anthracene	86.3	U	86.3	180	ug/Kg
218-01-9	Chrysene	85.1	U	85.1	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	97.4	U	97.4	180	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	86.8	U	86.8	180	ug/Kg

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-9	SDG No.:	P4385
Lab Sample ID:	P4385-18	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.4
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139946.D	1	10/11/24 09:38	10/22/24 23:43	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	88.4	U	88.4	180	ug/Kg
50-32-8	Benzo(a)pyrene	99.5	U	99.5	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	83.6	U	83.6	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	86.9	U	86.9	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	85.7	U	85.7	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	92.9	U	92.9	180	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	79.9	U	79.9	180	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	56.0		30 (18) - 130 (112)	37%	SPK: 150
13127-88-3	Phenol-d6	51.0		30 (15) - 130 (107)	34%	SPK: 150
4165-60-0	Nitrobenzene-d5	45.9		30 (18) - 130 (107)	46%	SPK: 100
321-60-8	2-Fluorobiphenyl	48.2		30 (20) - 130 (109)	48%	SPK: 100
118-79-6	2,4,6-Tribromophenol	60.7		30 (10) - 130 (116)	40%	SPK: 150
1718-51-0	Terphenyl-d14	34.2		30 (10) - 130 (105)	34%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	125000	6.893
1146-65-2	Naphthalene-d8	413000	8.169
15067-26-2	Acenaphthene-d10	188000	9.922
1517-22-2	Phenanthrene-d10	327000	11.41
1719-03-5	Chrysene-d12	323000	14.051
1520-96-3	Perylene-d12	235000	15.527

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	2100	JB	2.17	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	120	AB	5.10	ug/Kg
000119-61-9	Benzophenone	90.2	J	10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	190	J	11.9	ug/Kg
074685-30-6	5-Eicosene, (E)-	210	J	13.9	ug/Kg
000629-92-5	Nonadecane	140	J	15.2	ug/Kg
000629-94-7	Heneicosane	99.5	J	16.0	ug/Kg

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-9	SDG No.:	P4385
Lab Sample ID:	P4385-18	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.4
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139946.D	1	10/11/24 09:38	10/22/24 23:43	PB164071

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\BF102224\
Data File : BF139946.D
Acq On : 22 Oct 2024 23:43
Operator : RC/JU
Sample : P4385-18
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-9

Quant Time: Oct 23 01:15:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

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

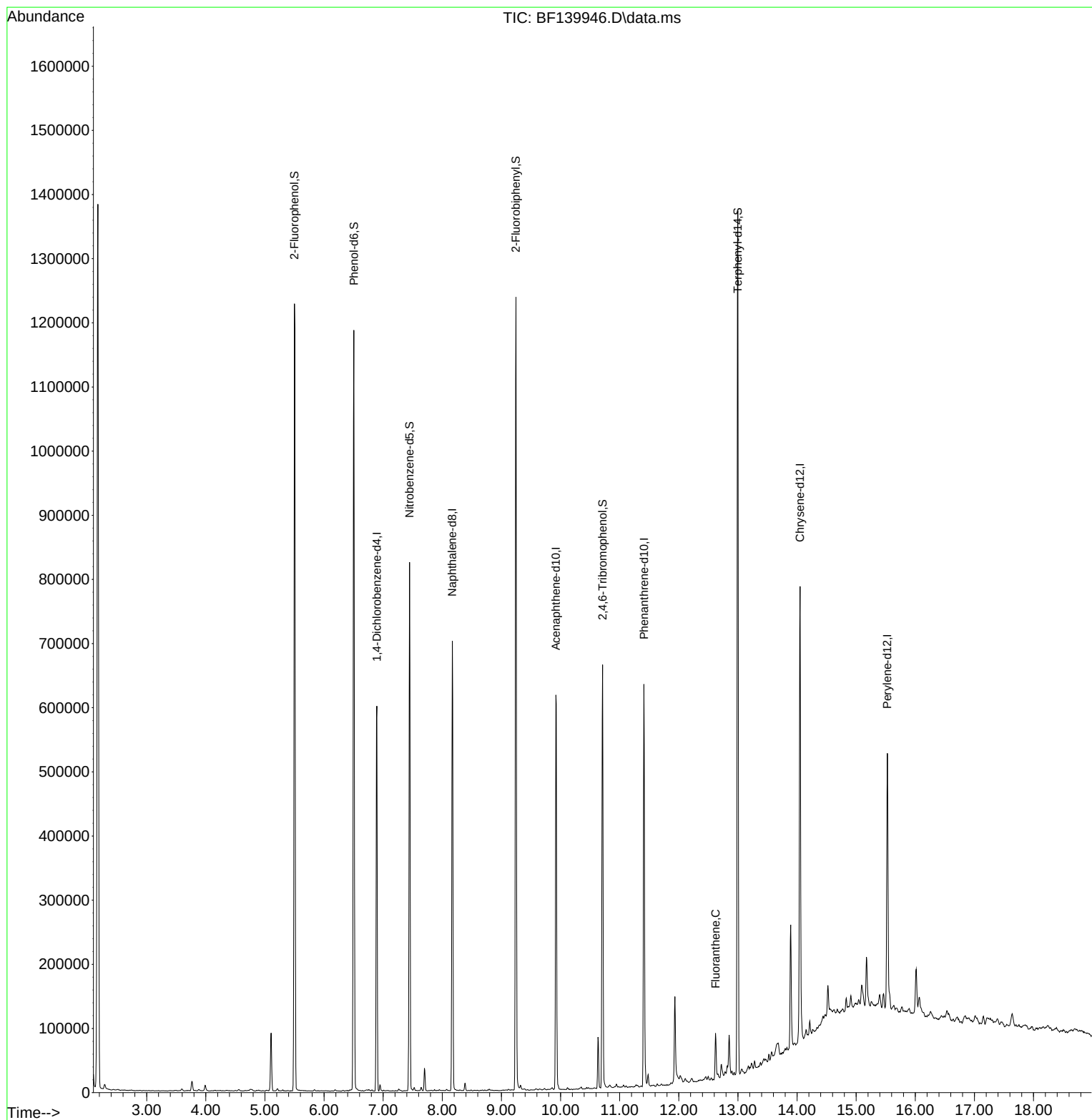
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	125462	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	412661	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	187614	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	327445	20.000	ng	0.00
76) Chrysene-d12	14.051	240	323147	20.000	ng	0.00
86) Perylene-d12	15.527	264	234771	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	448573	55.972	ng	0.00
7) Phenol-d6	6.504	99	529168	50.981	ng	0.00
23) Nitrobenzene-d5	7.445	82	341479	45.863	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	106441	60.654	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	547059	48.191	ng	0.00
79) Terphenyl-d14	12.998	244	678727	34.225	ng	0.00
Target Compounds						Qvalue
75) Fluoranthene	12.622	202	36380	2.327	ng	99

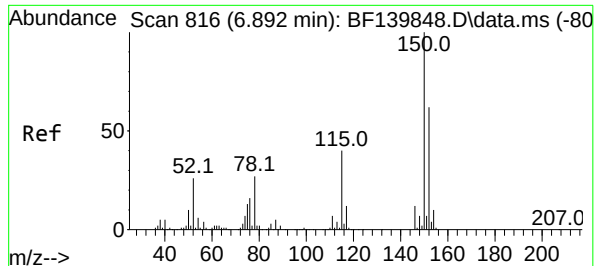
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139946.D
Acq On : 22 Oct 2024 23:43
Operator : RC/JU
Sample : P4385-18
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-9

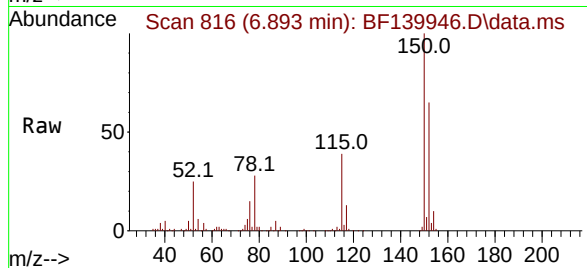
Quant Time: Oct 23 01:15:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration



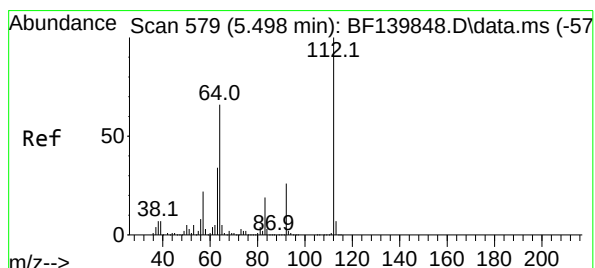
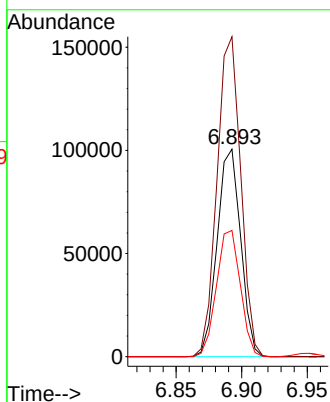
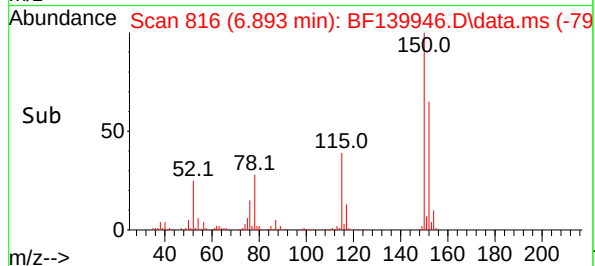


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 816
Delta R.T. 0.000 min
Lab File: BF139946.D
Acq: 22 Oct 2024 23:43

Instrument :
BNA_F
ClientSampleId :
SP-9

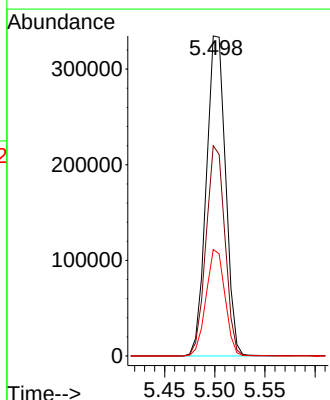
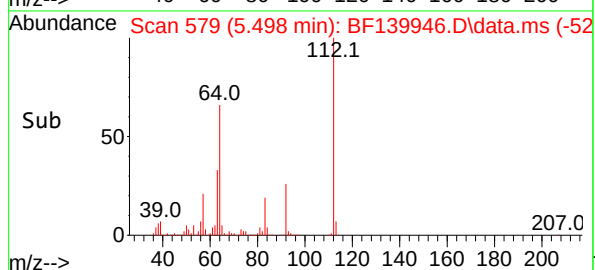
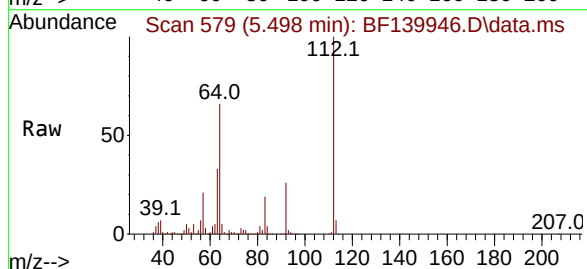


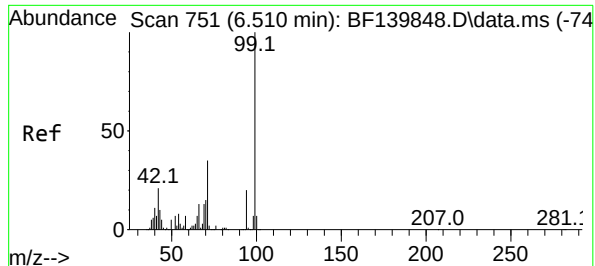
Tgt Ion:152 Resp: 125462
Ion Ratio Lower Upper
152 100
150 154.2 130.2 195.2
115 60.8 51.4 77.2



#5
2-Fluorophenol
Concen: 55.972 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF139946.D
Acq: 22 Oct 2024 23:43

Tgt Ion:112 Resp: 448573
Ion Ratio Lower Upper
112 100
64 65.7 53.0 79.6
63 33.2 27.0 40.4

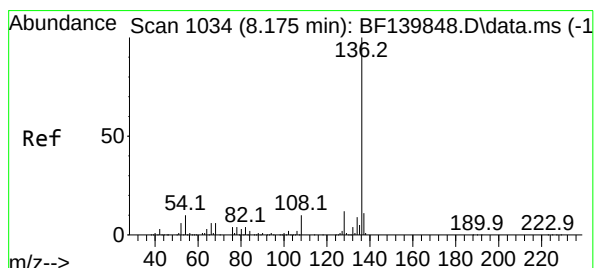
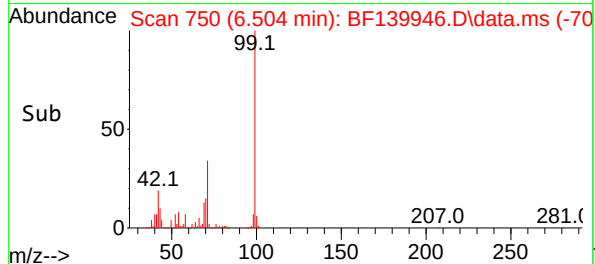
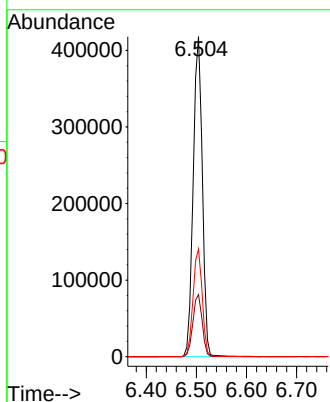
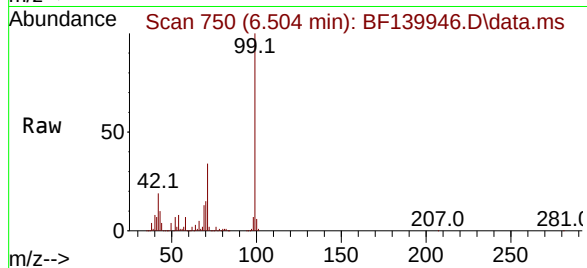




#7
Phenol-d6
Concen: 50.981 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF139946.D
Acq: 22 Oct 2024 23:43

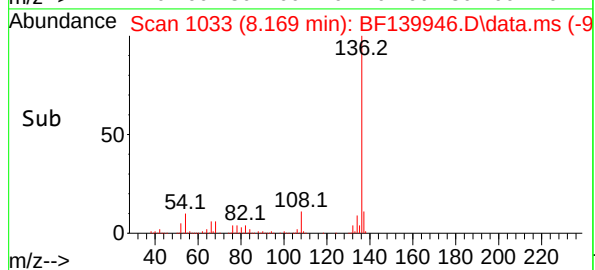
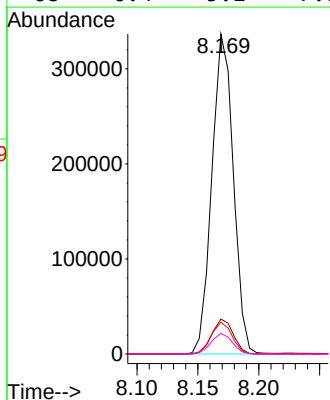
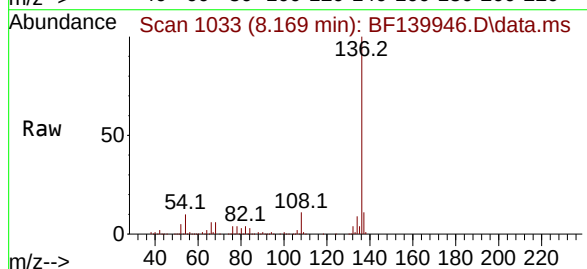
Instrument :
BNA_F
ClientSampleId :
SP-9

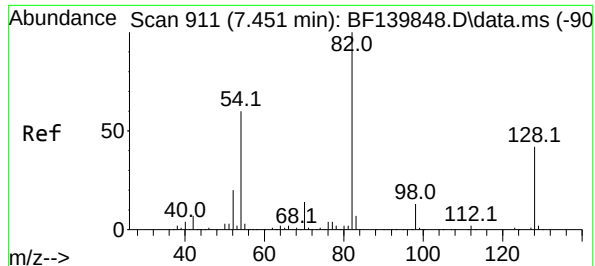
Tgt Ion: 99 Resp: 529168
Ion Ratio Lower Upper
99 100
42 19.4 16.7 25.1
71 33.6 27.7 41.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF139946.D
Acq: 22 Oct 2024 23:43

Tgt Ion: 136 Resp: 412661
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 9.9 8.4 12.6
68 6.4 5.1 7.7





#23

Nitrobenzene-d5

Concen: 45.863 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF139946.D

Acq: 22 Oct 2024 23:43

Instrument :

BNA_F

ClientSampleId :

SP-9

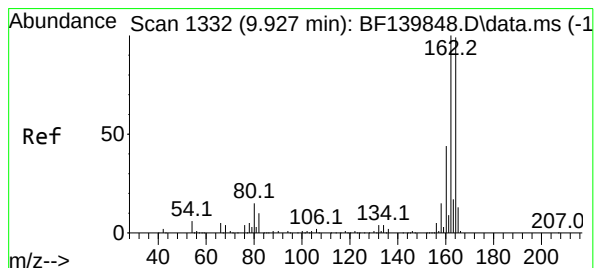
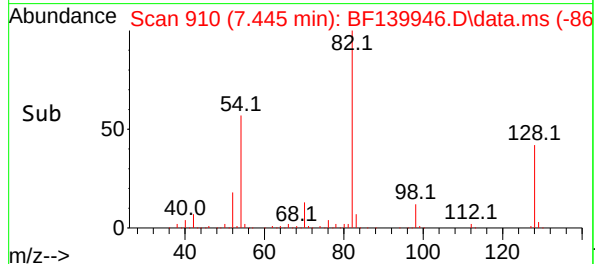
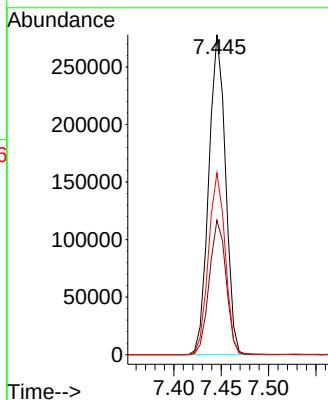
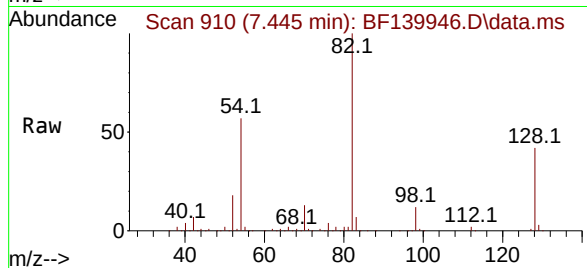
Tgt Ion: 82 Resp: 341479

Ion Ratio Lower Upper

82 100

128 42.0 33.4 50.0

54 56.8 47.8 71.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1331

Delta R.T. -0.005 min

Lab File: BF139946.D

Acq: 22 Oct 2024 23:43

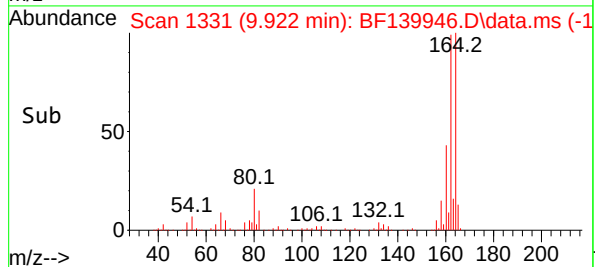
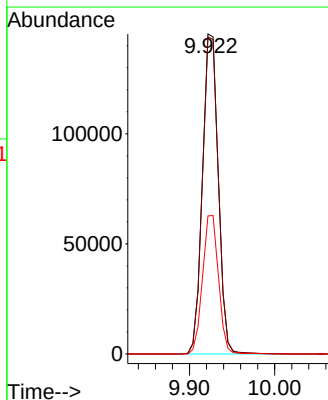
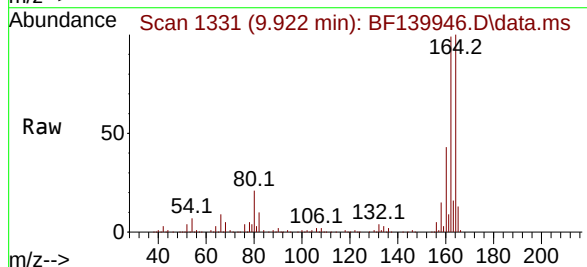
Tgt Ion:164 Resp: 187614

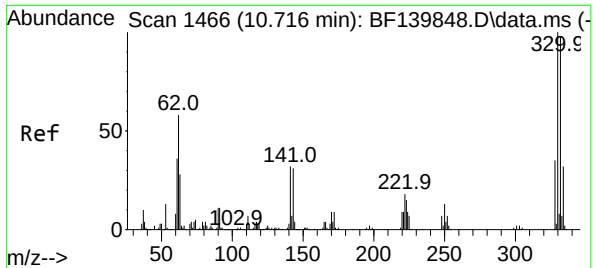
Ion Ratio Lower Upper

164 100

162 99.1 81.0 121.4

160 43.2 35.4 53.0

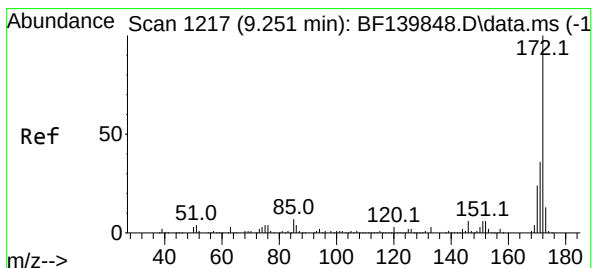
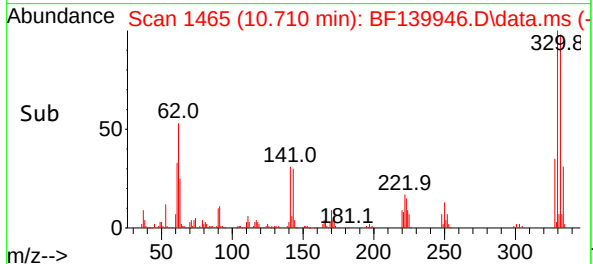
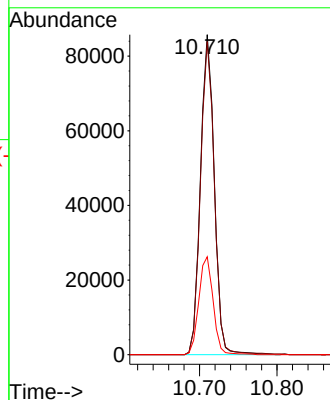
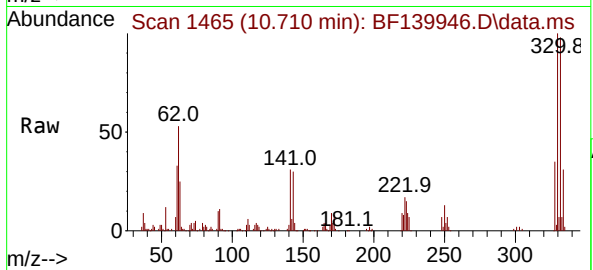




#42
2,4,6-Tribromophenol
Concen: 60.654 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF139946.D
Acq: 22 Oct 2024 23:43

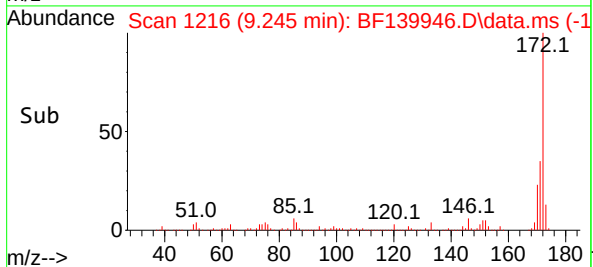
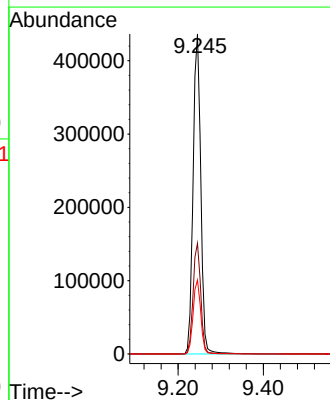
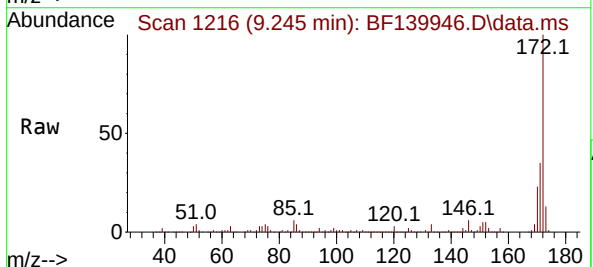
Instrument :
BNA_F
ClientSampleId :
SP-9

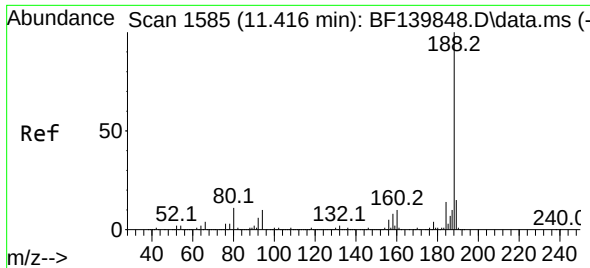
Tgt Ion:330 Resp: 106441
Ion Ratio Lower Upper
330 100
332 98.1 78.1 117.1
141 31.7 26.6 39.8



#45
2-Fluorobiphenyl
Concen: 48.191 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF139946.D
Acq: 22 Oct 2024 23:43

Tgt Ion:172 Resp: 547059
Ion Ratio Lower Upper
172 100
171 34.6 28.6 43.0
170 23.1 19.1 28.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139946.D

Acq: 22 Oct 2024 23:43

Instrument :

BNA_F

ClientSampleId :

SP-9

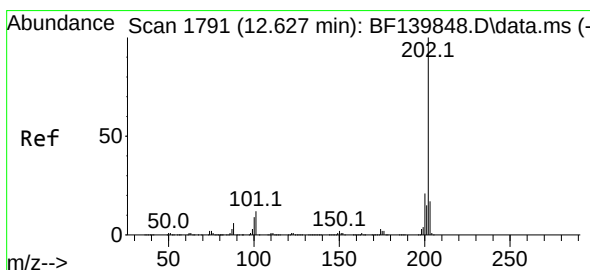
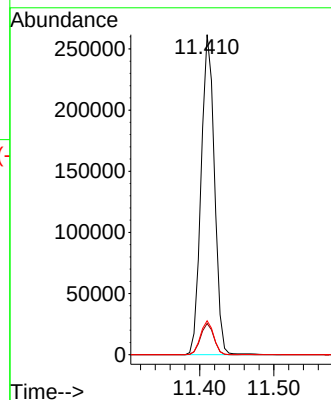
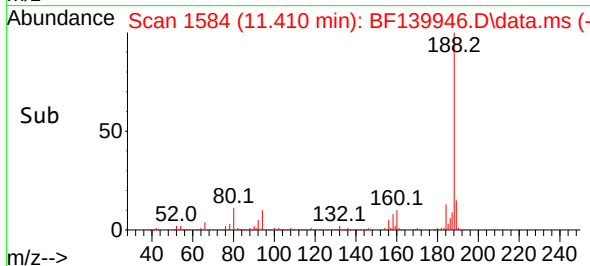
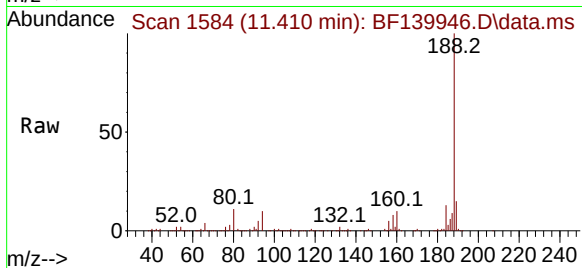
Tgt Ion:188 Resp: 327445

Ion Ratio Lower Upper

188 100

94 9.7 7.9 11.9

80 10.6 9.0 13.4



#75

Fluoranthene

Concen: 2.327 ng

RT: 12.622 min Scan# 1790

Delta R.T. -0.006 min

Lab File: BF139946.D

Acq: 22 Oct 2024 23:43

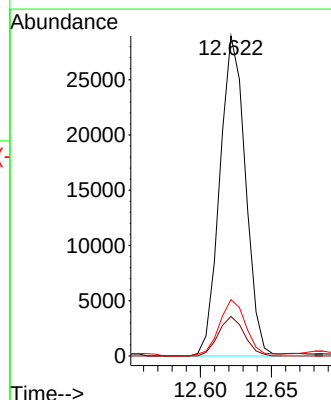
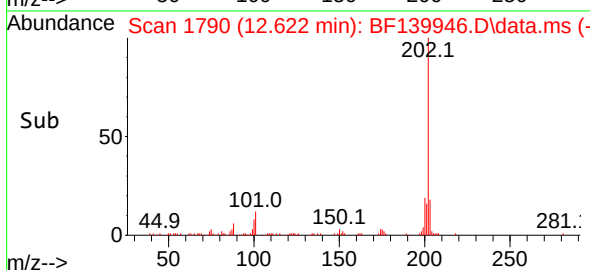
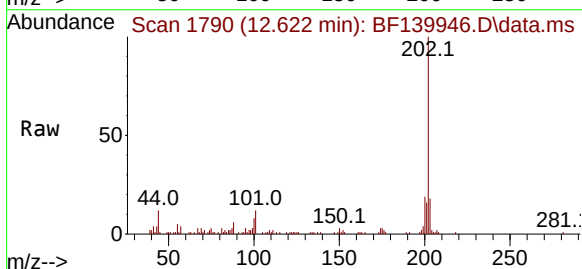
Tgt Ion:202 Resp: 36380

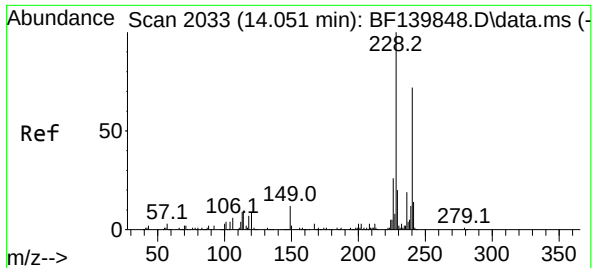
Ion Ratio Lower Upper

202 100

101 12.4 0.0 31.9

203 17.6 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2033

Delta R.T. 0.000 min

Lab File: BF139946.D

Acq: 22 Oct 2024 23:43

Instrument :

BNA_F

ClientSampleId :

SP-9

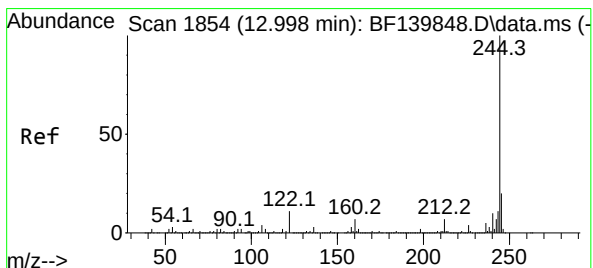
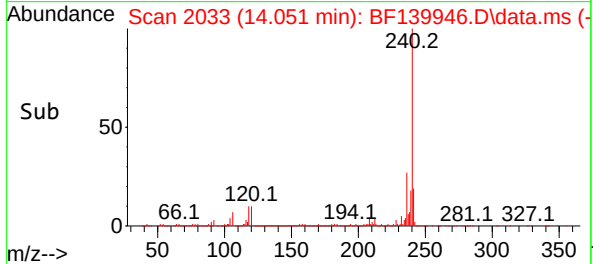
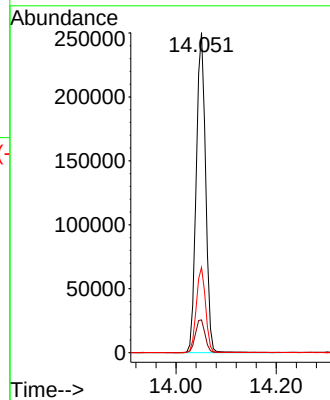
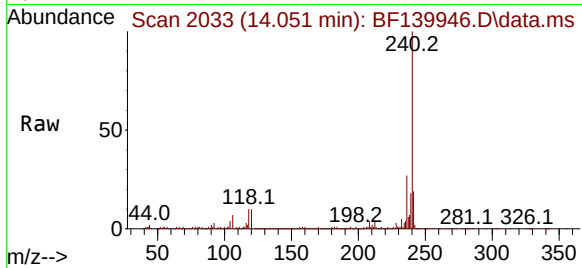
Tgt Ion:240 Resp: 323147

Ion Ratio Lower Upper

240 100

120 10.3 9.4 14.2

236 26.7 20.9 31.3



#79

Terphenyl-d14

Concen: 34.225 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.000 min

Lab File: BF139946.D

Acq: 22 Oct 2024 23:43

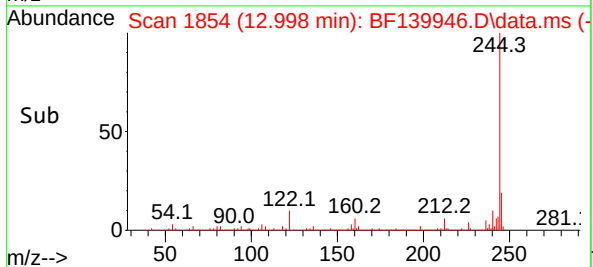
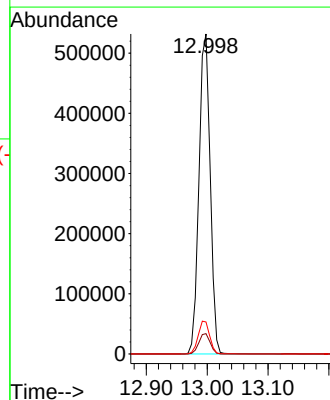
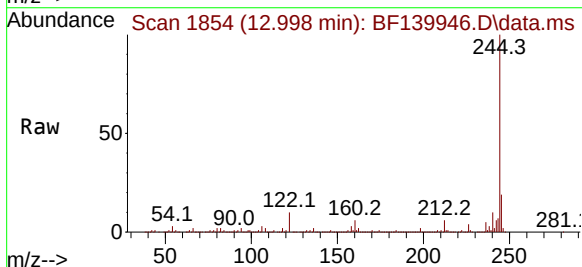
Tgt Ion:244 Resp: 678727

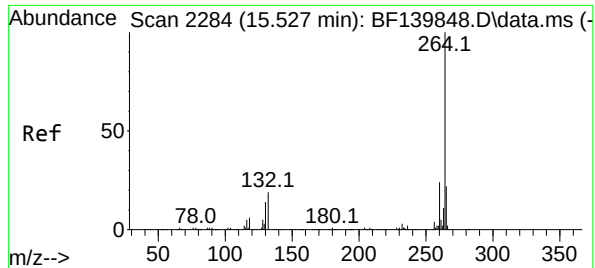
Ion Ratio Lower Upper

244 100

212 6.4 5.7 8.5

122 10.0 8.6 13.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF139946.D

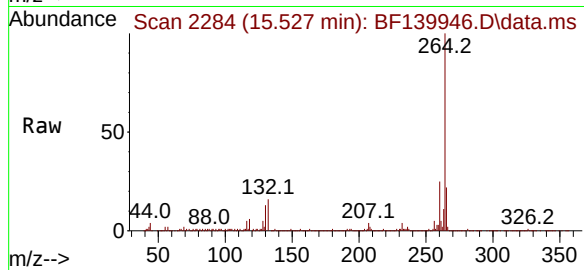
Acq: 22 Oct 2024 23:43

Instrument :

BNA_F

ClientSampleId :

SP-9



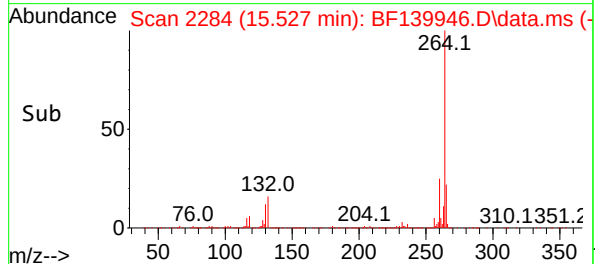
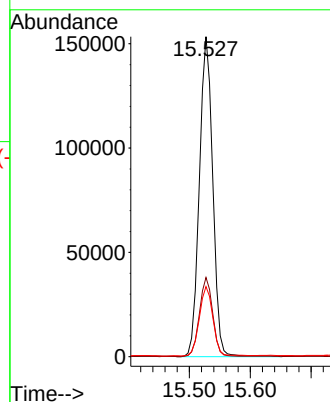
Tgt Ion:264 Resp: 234771

Ion	Ratio	Lower	Upper

264	100		

260	24.8	19.4	29.2

265	21.9	17.4	26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
 Data File : BF139946.D
 Acq On : 22 Oct 2024 23:43
 Operator : RC/JU
 Sample : P4385-18
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-9

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-BF101824.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF139946.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.175	6	14	24	rVB	1378507	2194305	100.00%	13.190%
2	3.763	279	284	291	rBV	14554	24402	1.11%	0.147%
3	5.104	505	512	518	rVB	90044	125907	5.74%	0.757%
4	5.498	574	579	585	rBV	1226634	1619960	73.83%	9.737%
5	6.504	744	750	755	rBV	1184042	1503255	68.51%	9.036%
6	6.893	810	816	821	rBV	600063	761145	34.69%	4.575%
7	7.445	904	910	915	rBV	823884	1011176	46.08%	6.078%
8	7.698	949	953	958	rBV	34891	42066	1.92%	0.253%
9	8.169	1028	1033	1038	rBV	700840	857169	39.06%	5.152%
10	9.245	1210	1216	1226	rBV	1235991	1547914	70.54%	9.304%
11	9.922	1326	1331	1343	rVB	614756	795846	36.27%	4.784%
12	10.633	1448	1452	1460	rBV	80028	100687	4.59%	0.605%
13	10.710	1460	1465	1479	rVV	659618	838576	38.22%	5.041%
14	11.410	1579	1584	1592	rBV	627417	814545	37.12%	4.896%
15	11.480	1592	1596	1603	rVB3	17948	26441	1.20%	0.159%
16	11.933	1667	1673	1685	rBV	133747	216191	9.85%	1.299%
17	12.622	1786	1790	1795	rBV	72049	98535	4.49%	0.592%
18	12.722	1803	1807	1813	rBV4	20315	37996	1.73%	0.228%
19	12.851	1825	1829	1835	rVB	59517	84294	3.84%	0.507%
20	12.998	1848	1854	1859	rBV	1345219	1747064	79.62%	10.501%
21	13.892	2001	2006	2014	rBV	193304	291462	13.28%	1.752%
22	14.051	2027	2033	2043	rVB	704939	987170	44.99%	5.934%
23	14.521	2110	2113	2118	rBV	39959	53906	2.46%	0.324%
24	15.174	2221	2224	2235	rVB	76121	125384	5.71%	0.754%
25	15.527	2279	2284	2296	rVB	398830	641772	29.25%	3.858%
26	16.015	2363	2367	2372	rVB	58158	89541	4.08%	0.538%

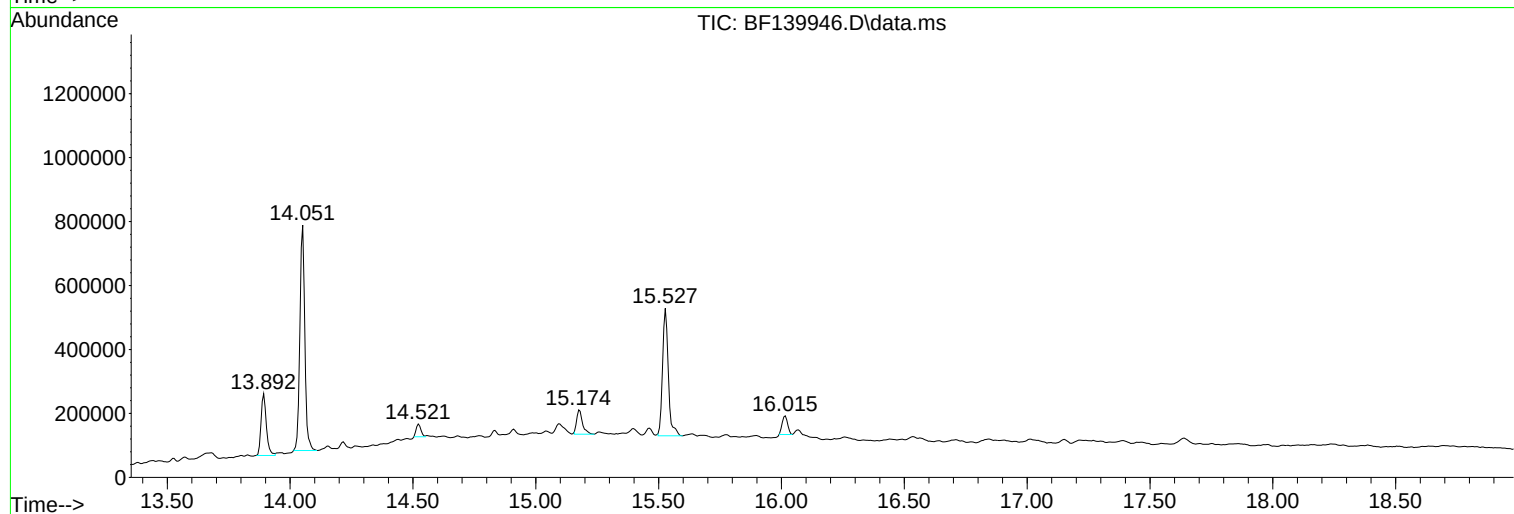
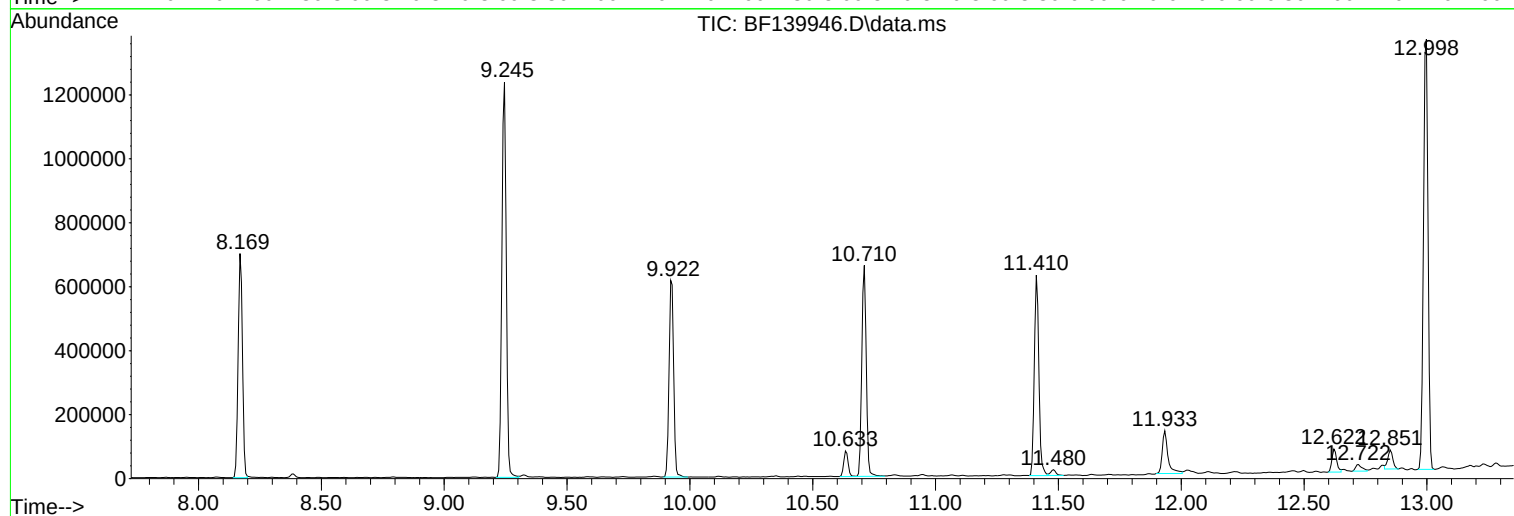
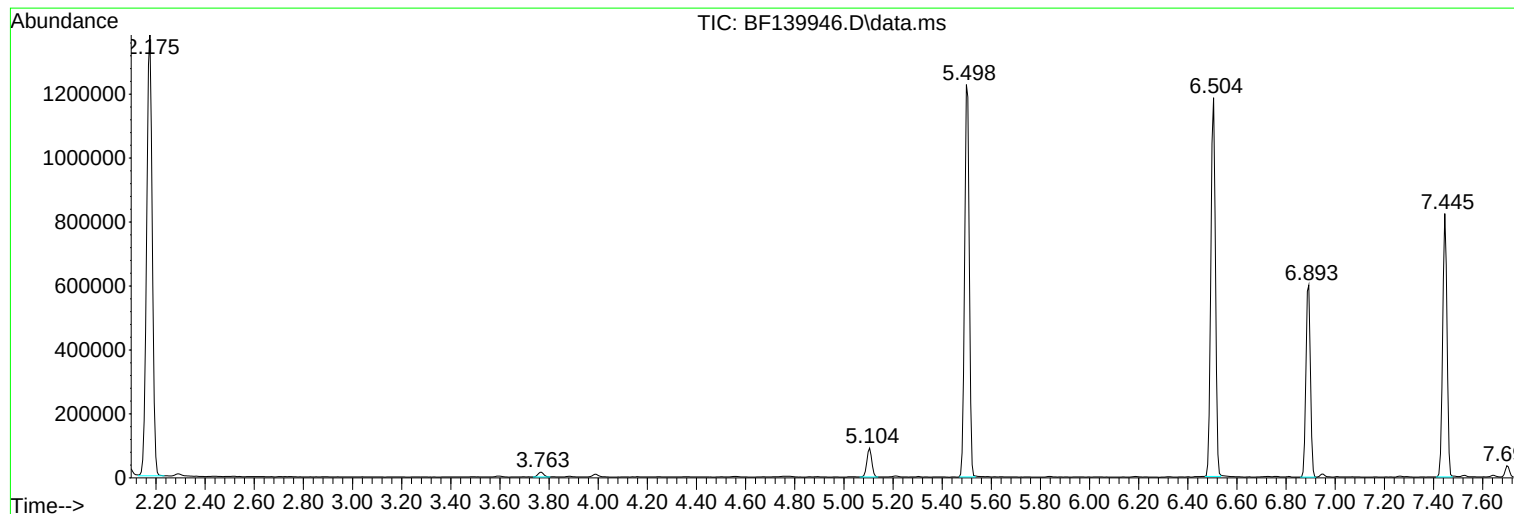
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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139946.D
Acq On : 22 Oct 2024 23:43
Operator : RC/JU
Sample : P4385-18
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-9

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.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\BF102224\
Data File : BF139946.D
Acq On : 22 Oct 2024 23:43
Operator : RC/JU
Sample : P4385-18
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-9

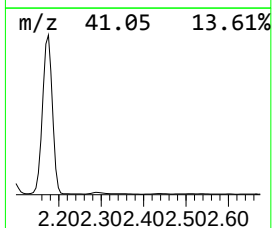
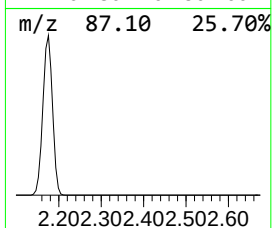
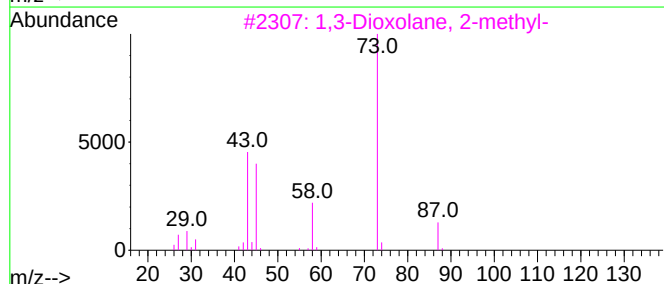
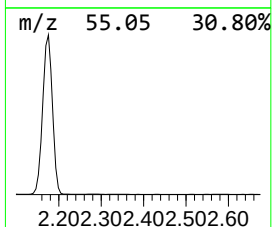
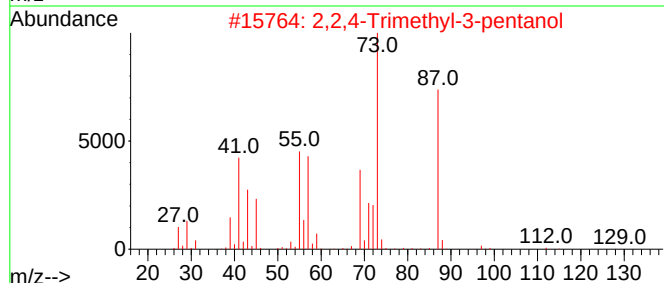
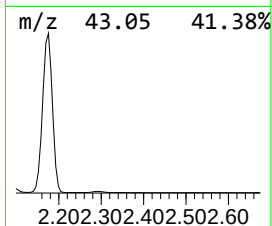
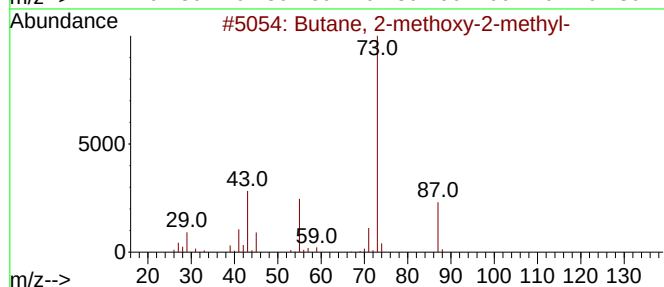
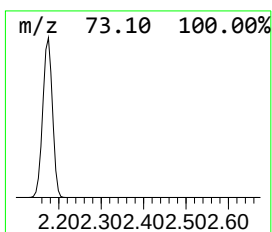
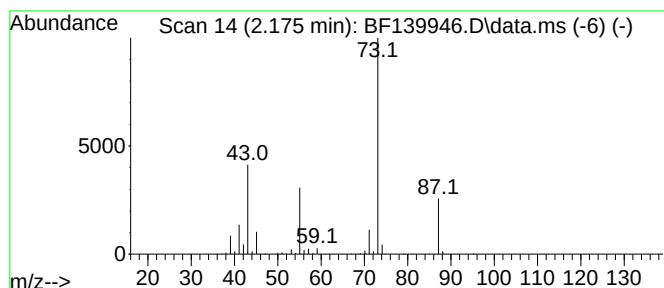
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.175	57.66 ng	2194310	1,4-Dichlorobenzene-d4	6.893

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3			1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
4			Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	17
5			Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139946.D
Acq On : 22 Oct 2024 23:43
Operator : RC/JU
Sample : P4385-18
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-9

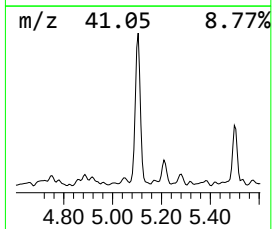
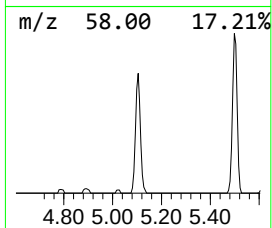
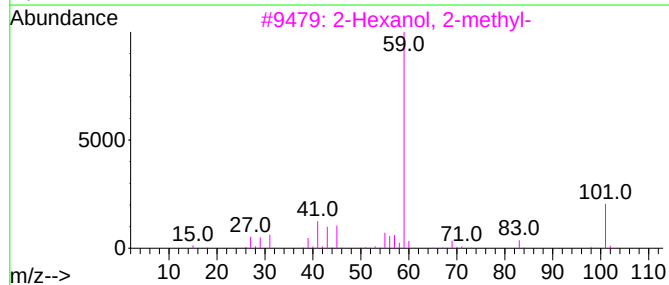
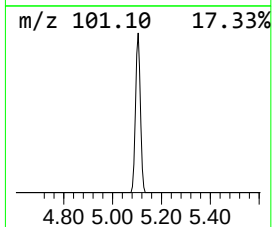
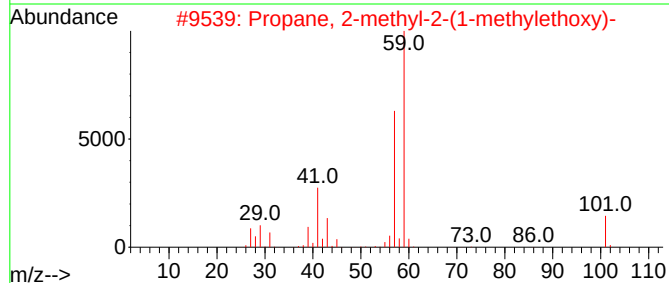
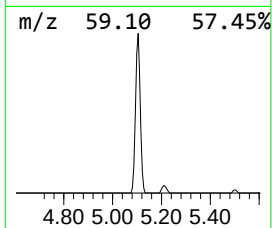
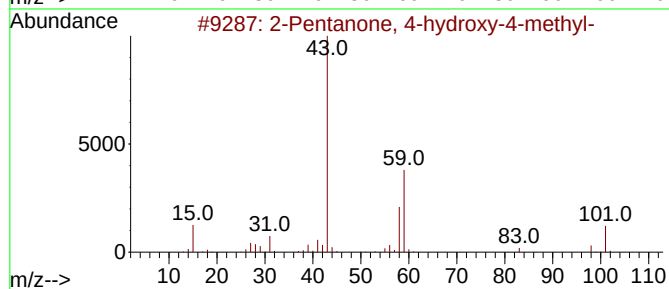
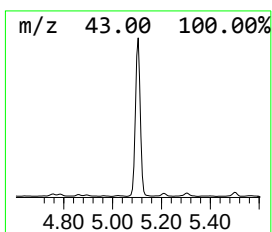
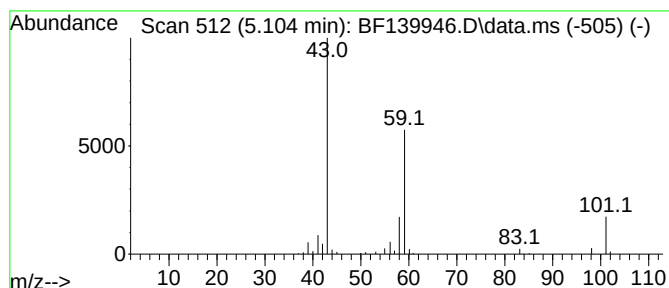
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.104	3.31 ng	125907	1,4-Dichlorobenzene-d4	6.893

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2		Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	42
3		2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28
4		Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
5		Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	25



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139946.D
Acq On : 22 Oct 2024 23:43
Operator : RC/JU
Sample : P4385-18
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-9

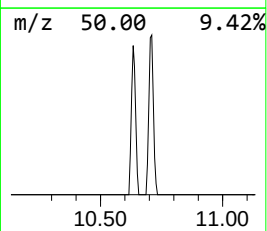
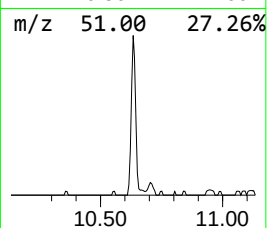
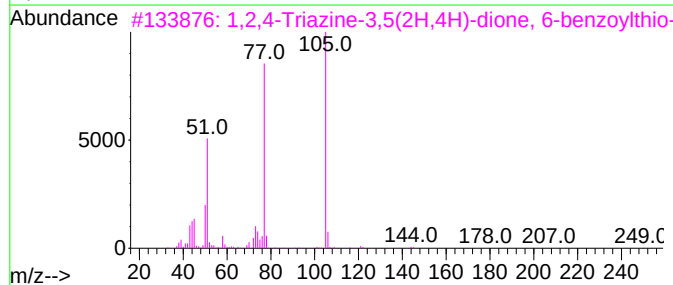
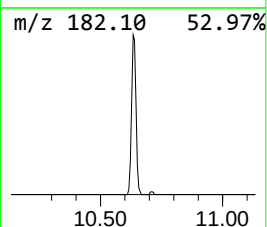
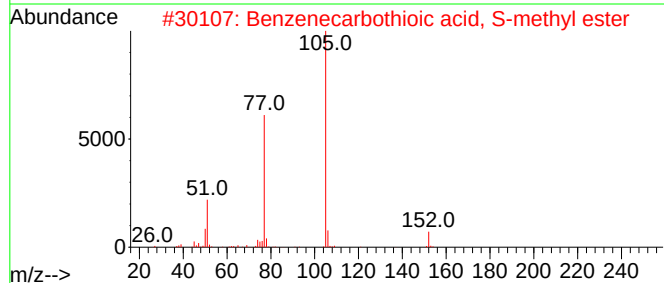
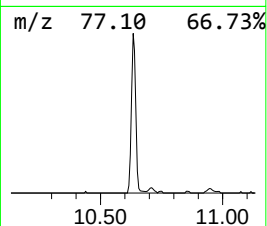
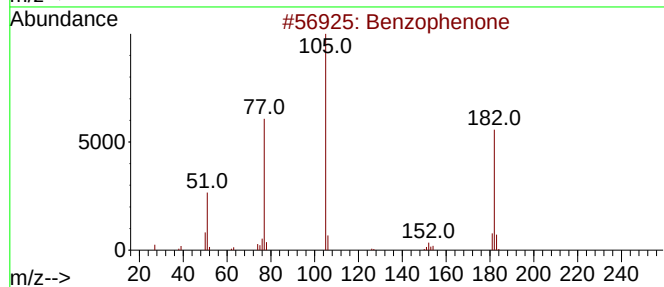
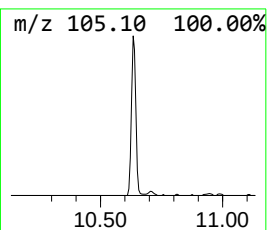
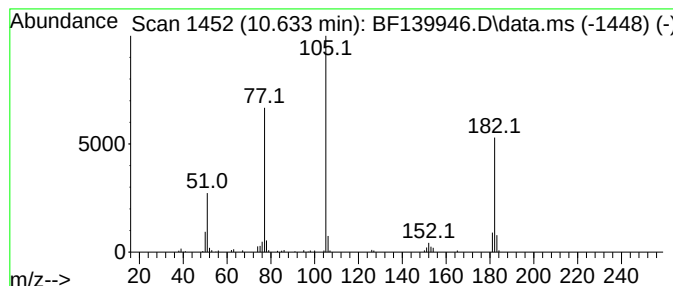
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Benzophenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.633	2.53 ng	100687	Acenaphthene-d10	9.922

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	52
3			1,2,4-Triazine-3,5(2H,4H)-dione,...	249	C10H7N3O3S	024168-34-1	47
4			5-Oxo-5-phenylpentanenitrile	173	C11H11NO	1000486-83-7	47
5			Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139946.D
Acq On : 22 Oct 2024 23:43
Operator : RC/JU
Sample : P4385-18
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-9

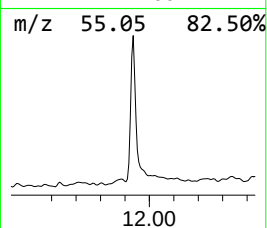
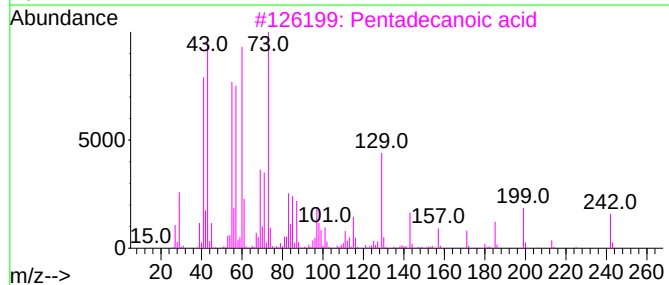
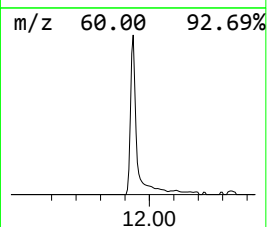
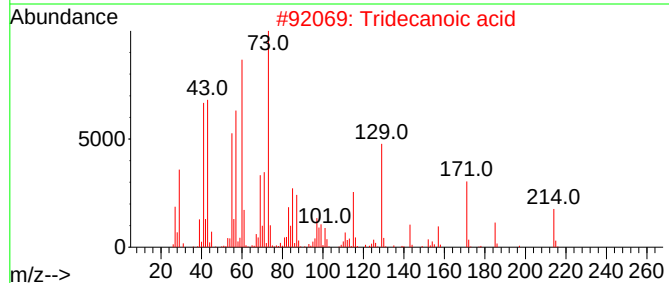
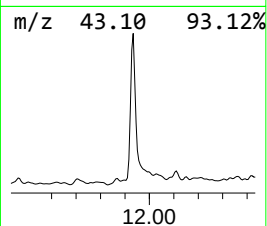
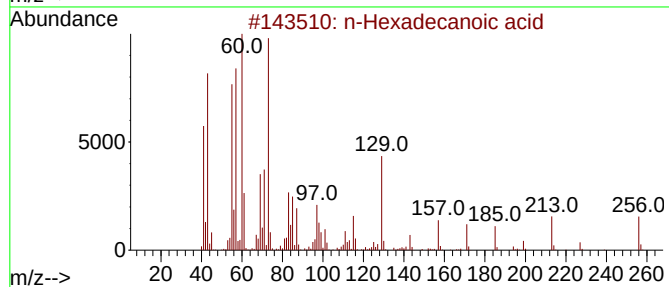
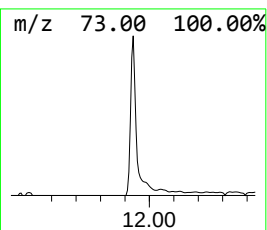
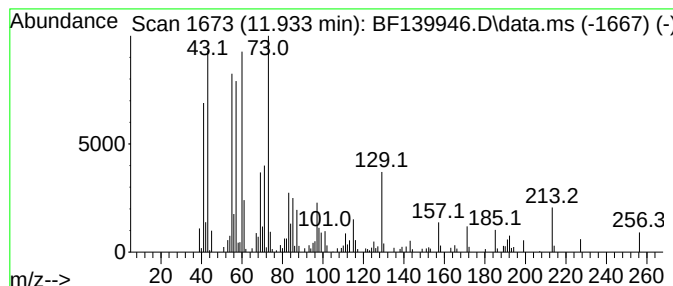
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.933	5.31 ng	216191	Phenanthrene-d10	11.410

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2			Tridecanoic acid	214	C13H26O2	000638-53-9	95
3			Pentadecanoic acid	242	C15H30O2	001002-84-2	91
4			Tetradecanoic acid	228	C14H28O2	000544-63-8	80
5			Nonanoic acid	158	C9H18O2	000112-05-0	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139946.D
Acq On : 22 Oct 2024 23:43
Operator : RC/JU
Sample : P4385-18
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-9

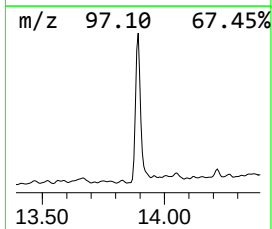
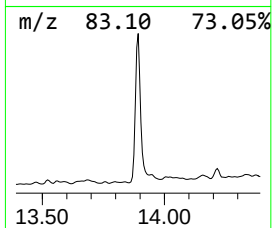
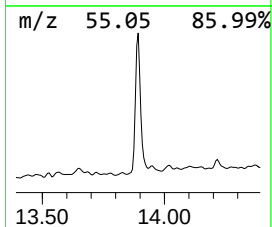
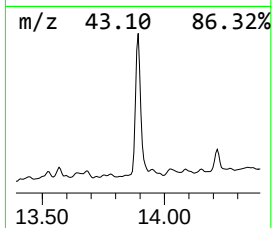
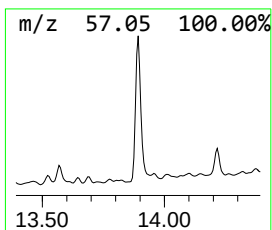
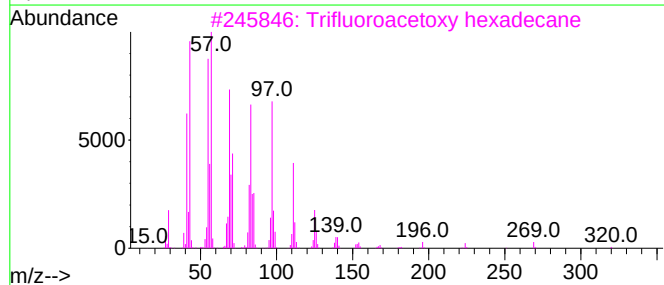
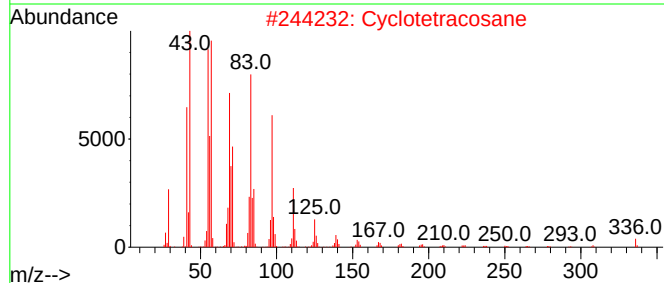
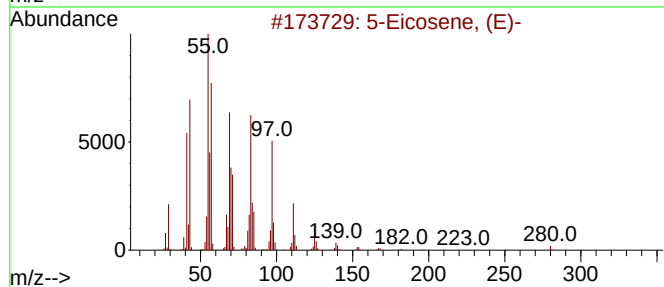
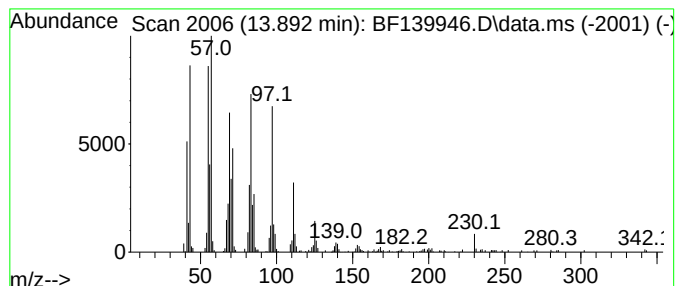
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.892	5.91 ng	291462	Chrysene-d12	14.051

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			5-Eicosene, (E)-	280	C20H40	074685-30-6	97
2			Cyclotetracosane	336	C24H48	000297-03-0	95
3			Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	94
4			Heptafluorobutyric acid, hexadec...	438	C20H33F7O2	006385-15-5	94
5			1-Docosene	308	C22H44	001599-67-3	94



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139946.D
Acq On : 22 Oct 2024 23:43
Operator : RC/JU
Sample : P4385-18
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-9

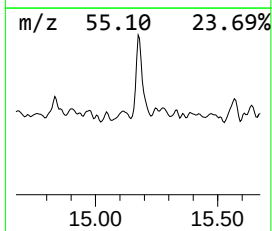
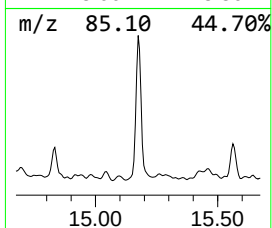
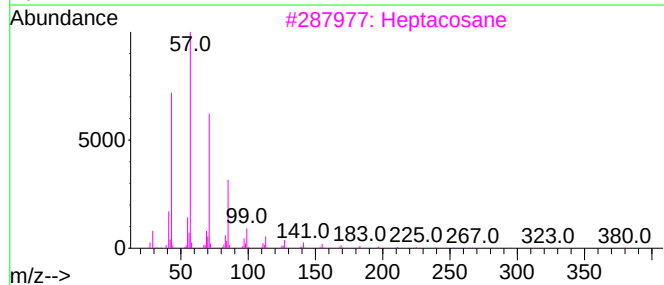
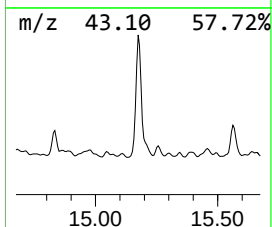
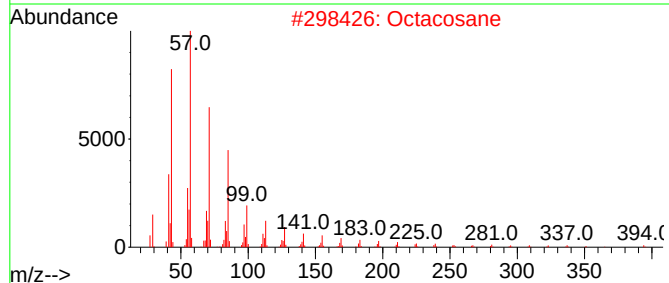
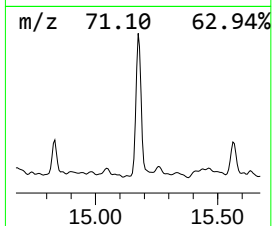
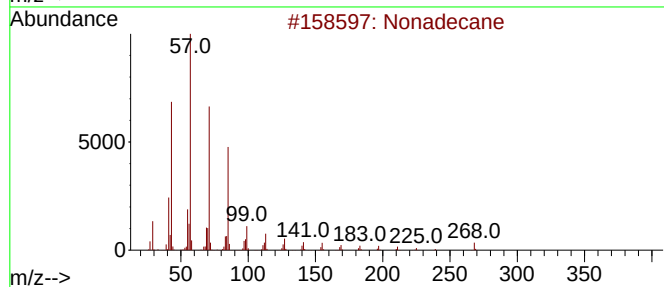
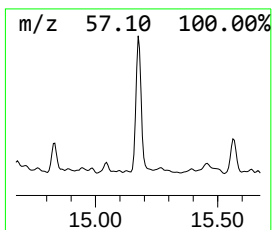
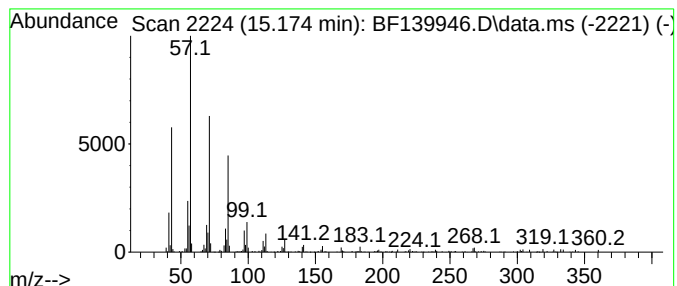
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Nonadecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.174	3.91 ng	125384	Perylene-d12	15.527

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonadecane	268	C19H40	000629-92-5	95
2			Octacosane	394	C28H58	000630-02-4	90
3			Heptacosane	380	C27H56	000593-49-7	90
4			Octadecane	254	C18H38	000593-45-3	90
5			Octacosane, 2-methyl-	408	C29H60	001560-98-1	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139946.D
Acq On : 22 Oct 2024 23:43
Operator : RC/JU
Sample : P4385-18
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-9

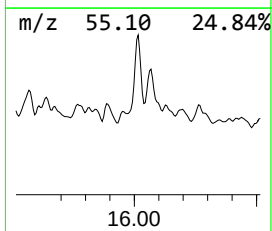
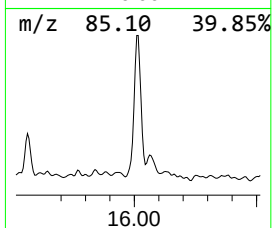
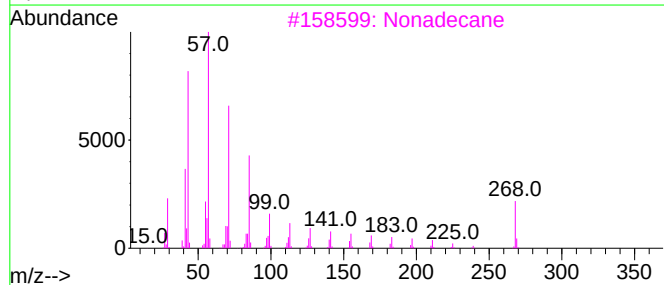
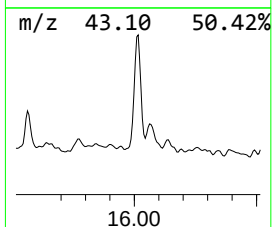
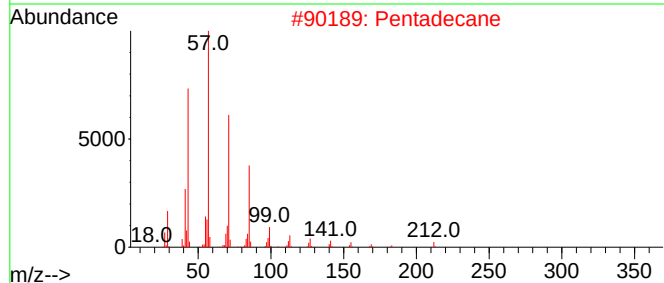
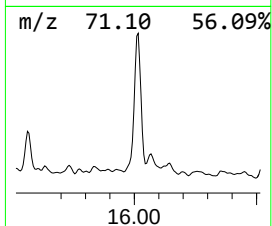
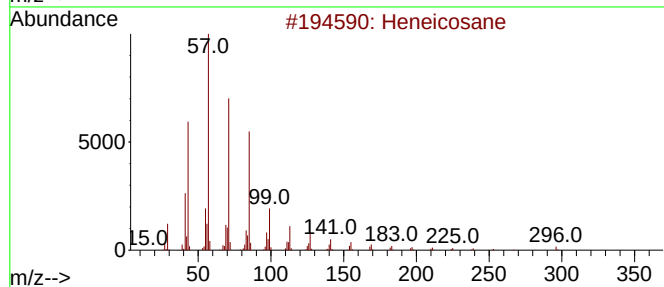
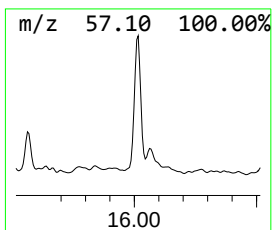
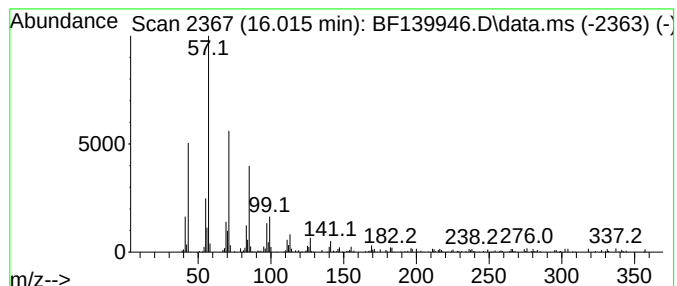
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Heneicosane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.015	2.79 ng	89541	Perylene-d12	15.527

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heneicosane	296	C21H44	000629-94-7	94
2			Pentadecane	212	C15H32	000629-62-9	93
3			Nonadecane	268	C19H40	000629-92-5	91
4			Octacosane	394	C28H58	000630-02-4	90
5			Hexacosane	366	C26H54	000630-01-3	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139946.D
Acq On : 22 Oct 2024 23:43
Operator : RC/JU
Sample : P4385-18
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-9

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.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
Butane, 2-metho...	2.175	57.7	ng	2194310	1	6.893	761145	20.0
2-Pentanone, 4-...	5.104	3.3	ng	125907	1	6.893	761145	20.0
Benzophenone	10.633	2.5	ng	100687	3	9.922	795846	20.0
n-Hexadecanoic ...	11.933	5.3	ng	216191	4	11.410	814545	20.0
5-Eicosene, (E)-	13.892	5.9	ng	291462	5	14.051	987170	20.0
Nonadecane	15.174	3.9	ng	125384	6	15.527	641772	20.0
Heneicosane	16.015	2.8	ng	89541	6	15.527	641772	20.0

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-10	SDG No.:	P4385
Lab Sample ID:	P4385-20	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94.4
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139982.D	1	10/11/24 09:38	10/23/24 23:43	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	190	U	190	350	ug/Kg
108-95-2	Phenol	87.6	U	87.6	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	88.4	U	88.4	180	ug/Kg
95-57-8	2-Chlorophenol	88.2	U	88.2	180	ug/Kg
95-48-7	2-Methylphenol	85.2	U	85.2	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	96.0	U	96.0	180	ug/Kg
98-86-2	Acetophenone	91.8	U	91.8	180	ug/Kg
65794-96-9	3+4-Methylphenols	84.3	U	84.3	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	42.6	U	42.6	84.5	ug/Kg
67-72-1	Hexachloroethane	87.7	U	87.7	180	ug/Kg
98-95-3	Nitrobenzene	95.9	U	95.9	180	ug/Kg
78-59-1	Isophorone	89.4	U	89.4	180	ug/Kg
88-75-5	2-Nitrophenol	99.8	U	99.8	180	ug/Kg
105-67-9	2,4-Dimethylphenol	98.5	U	98.5	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	90.6	U	90.6	180	ug/Kg
120-83-2	2,4-Dichlorophenol	79.8	U	79.8	180	ug/Kg
91-20-3	Naphthalene	87.3	U	87.3	180	ug/Kg
106-47-8	4-Chloroaniline	87.3	UQ	87.3	180	ug/Kg
87-68-3	Hexachlorobutadiene	88.0	U	88.0	180	ug/Kg
105-60-2	Caprolactam	91.7	U	91.7	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	81.9	U	81.9	180	ug/Kg
91-57-6	2-Methylnaphthalene	87.2	U	87.2	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	UQ	160	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	75.4	U	75.4	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	78.2	U	78.2	180	ug/Kg
92-52-4	1,1-Biphenyl	92.3	U	92.3	180	ug/Kg
91-58-7	2-Chloronaphthalene	88.0	U	88.0	180	ug/Kg
88-74-4	2-Nitroaniline	100	U	100	180	ug/Kg
131-11-3	Dimethylphthalate	86.3	U	86.3	180	ug/Kg

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-10	SDG No.:	P4385
Lab Sample ID:	P4385-20	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94.4
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139982.D	1	10/11/24 09:38	10/23/24 23:43	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	91.4	U	91.4	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	87.9	U	87.9	180	ug/Kg
99-09-2	3-Nitroaniline	94.2	UQ	94.2	180	ug/Kg
83-32-9	Acenaphthene	85.7	U	85.7	180	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	350	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	350	ug/Kg
132-64-9	Dibenzofuran	89.2	U	89.2	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	91.1	U	91.1	180	ug/Kg
84-66-2	Diethylphthalate	84.6	U	84.6	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	90.4	U	90.4	180	ug/Kg
86-73-7	Fluorene	90.3	U	90.3	180	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	UQ	120	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	86.2	U	86.2	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	83.4	U	83.4	180	ug/Kg
118-74-1	Hexachlorobenzene	89.8	U	89.8	180	ug/Kg
1912-24-9	Atrazine	96.6	U	96.6	180	ug/Kg
87-86-5	Pentachlorophenol	81.7	U	81.7	350	ug/Kg
85-01-8	Phenanthrene	88.7	U	88.7	180	ug/Kg
120-12-7	Anthracene	89.2	U	89.2	180	ug/Kg
86-74-8	Carbazole	84.8	U	84.8	180	ug/Kg
84-74-2	Di-n-butylphthalate	89.1	U	89.1	180	ug/Kg
206-44-0	Fluoranthene	99.4	J	86.3	180	ug/Kg
129-00-0	Pyrene	87.7	U	87.7	180	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	100	U	100	350	ug/Kg
56-55-3	Benzo(a)anthracene	85.3	U	85.3	180	ug/Kg
218-01-9	Chrysene	84.0	U	84.0	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	96.1	U	96.1	180	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	85.7	U	85.7	180	ug/Kg

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-10	SDG No.:	P4385
Lab Sample ID:	P4385-20	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94.4
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139982.D	1	10/11/24 09:38	10/23/24 23:43	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	87.3	U	87.3	180	ug/Kg
50-32-8	Benzo(a)pyrene	98.3	U	98.3	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	82.5	U	82.5	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	85.8	U	85.8	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	84.6	U	84.6	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	91.7	U	91.7	180	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	78.9	U	78.9	180	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	103		30 (18) - 130 (112)	68%	SPK: 150
13127-88-3	Phenol-d6	96.6		30 (15) - 130 (107)	64%	SPK: 150
4165-60-0	Nitrobenzene-d5	77.3		30 (18) - 130 (107)	77%	SPK: 100
321-60-8	2-Fluorobiphenyl	82.9		30 (20) - 130 (109)	83%	SPK: 100
118-79-6	2,4,6-Tribromophenol	97.6		30 (10) - 130 (116)	65%	SPK: 150
1718-51-0	Terphenyl-d14	56.8		30 (10) - 130 (105)	57%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	133000	6.893
1146-65-2	Naphthalene-d8	486000	8.169
15067-26-2	Acenaphthene-d10	229000	9.922
1517-22-2	Phenanthrene-d10	357000	11.41
1719-03-5	Chrysene-d12	325000	14.051
1520-96-3	Perylene-d12	261000	15.527

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	2400	JB	2.21	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	210	AB	5.12	ug/Kg
000119-61-9	Benzophenone	120	J	10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	390	J	11.9	ug/Kg
000057-11-4	Octadecanoic acid	85.6	J	12.7	ug/Kg
000295-48-7	Cyclopentadecane	230	J	13.9	ug/Kg
000629-92-5	Nonadecane	200	J	15.2	ug/Kg

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-10	SDG No.:	P4385
Lab Sample ID:	P4385-20	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94.4
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139982.D	1	10/11/24 09:38	10/23/24 23:43	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
007390-81-0	Oxirane, hexadecyl-	130	J		15.8	ug/Kg
001928-30-9	Tricosane, 2-methyl-	190	J		16.0	ug/Kg
067860-04-2	Oxirane, heptadecyl-	170	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\BF102324\
Data File : BF139982.D
Acq On : 23 Oct 2024 23:43
Operator : RC/JU
Sample : P4385-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-10

Quant Time: Oct 24 01:14:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

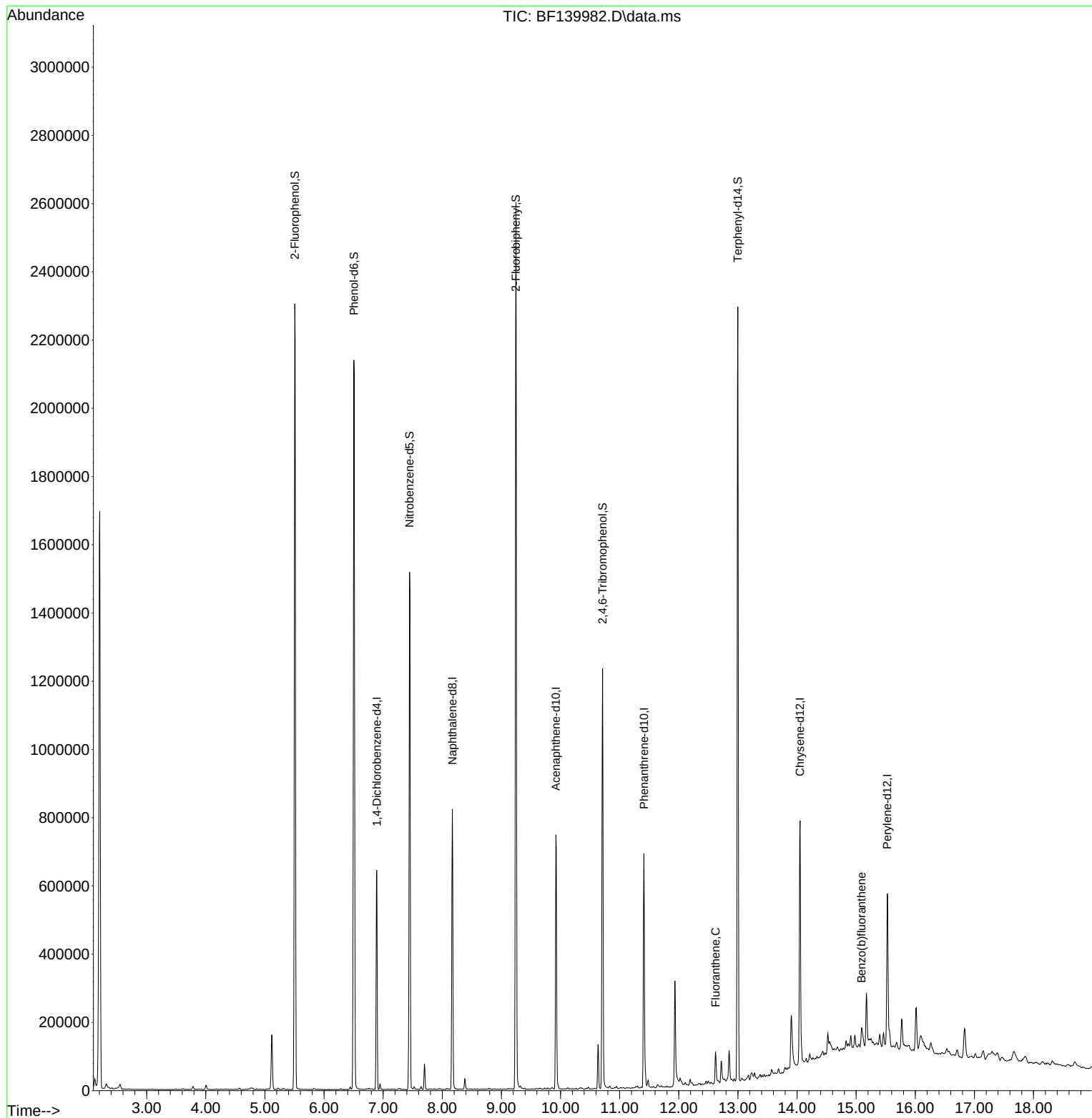
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	133316	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	485669	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	228899	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	357369	20.000	ng	0.00
76) Chrysene-d12	14.051	240	325119	20.000	ng	0.00
86) Perylene-d12	15.527	264	261481	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	874648	102.707	ng	0.00
7) Phenol-d6	6.504	99	1064928	96.553	ng	0.00
23) Nitrobenzene-d5	7.445	82	677418	77.306	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	209030	97.630	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1147684	82.865	ng	0.00
79) Terphenyl-d14	12.998	244	1134232	56.847	ng	0.00
Target Compounds						Qvalue
75) Fluoranthene	12.622	202	48151	2.822	ng	99
88) Benzo(b)fluoranthene	15.092	252	34278m	2.152	ng	

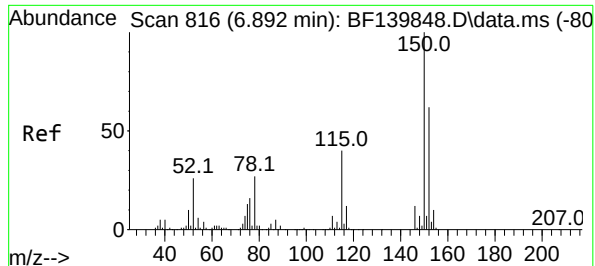
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
Data File : BF139982.D
Acq On : 23 Oct 2024 23:43
Operator : RC/JU
Sample : P4385-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-10

Quant Time: Oct 24 01:14:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

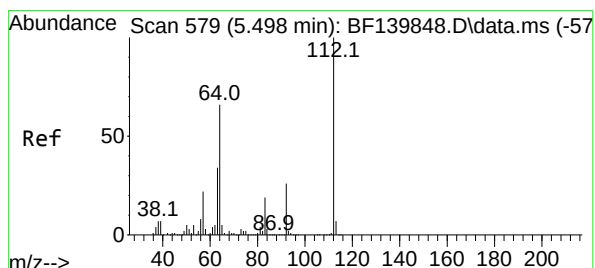
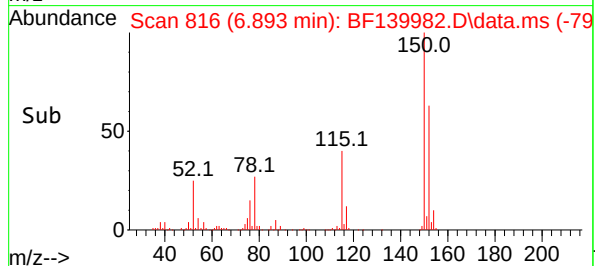
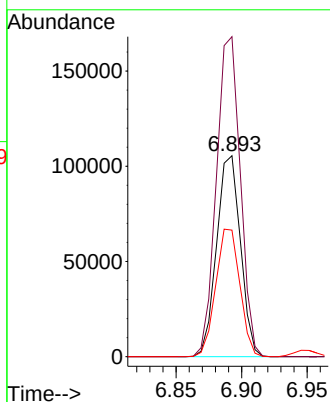
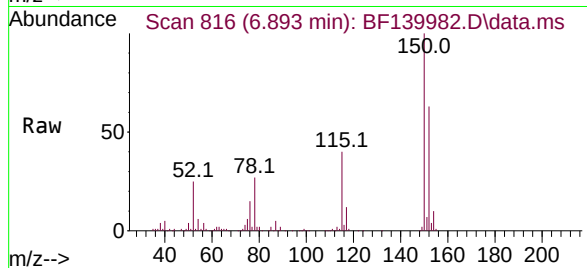




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 816
Delta R.T. 0.001 min
Lab File: BF139982.D
Acq: 23 Oct 2024 23:43

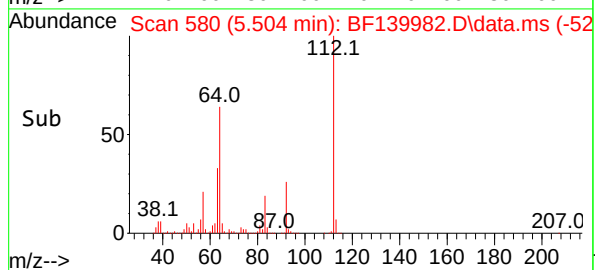
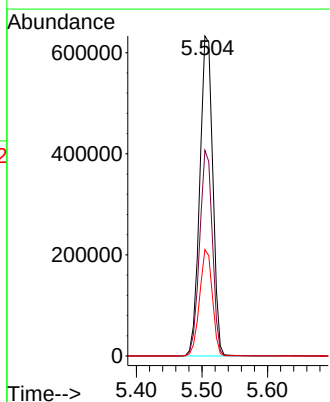
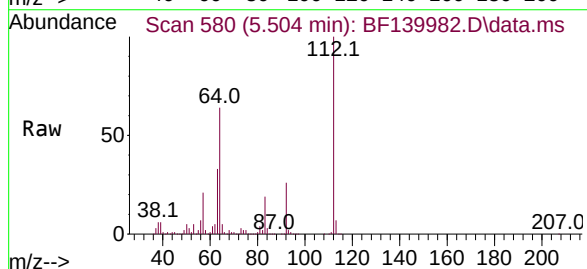
Instrument :
BNA_F
ClientSampleId :
SP-10

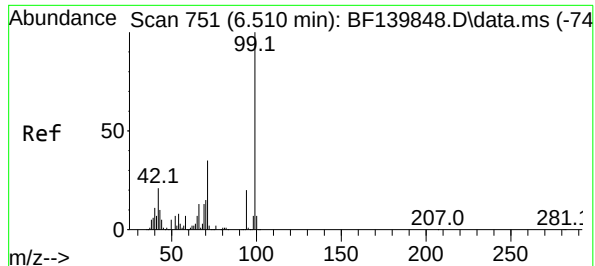
Tgt Ion:152 Resp: 133316
Ion Ratio Lower Upper
152 100
150 159.3 130.2 195.2
115 63.0 51.4 77.2



#5
2-Fluorophenol
Concen: 102.707 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF139982.D
Acq: 23 Oct 2024 23:43

Tgt Ion:112 Resp: 874648
Ion Ratio Lower Upper
112 100
64 64.2 53.0 79.6
63 33.2 27.0 40.4

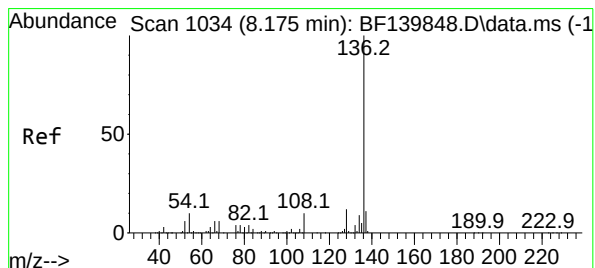
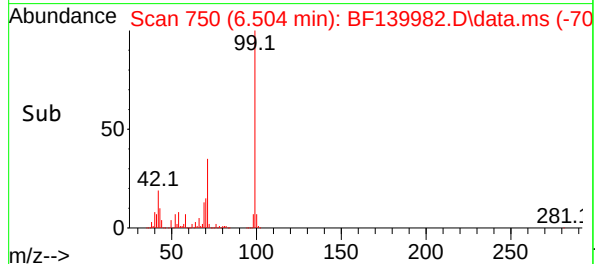
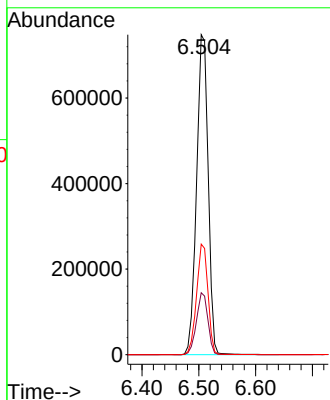
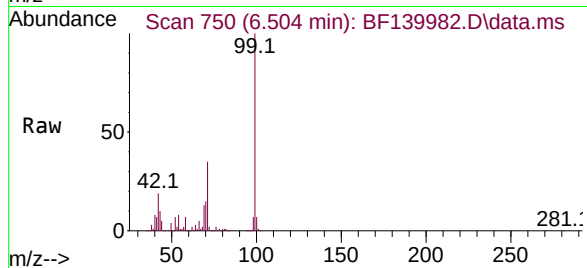




#7
Phenol-d6
Concen: 96.553 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF139982.D
Acq: 23 Oct 2024 23:43

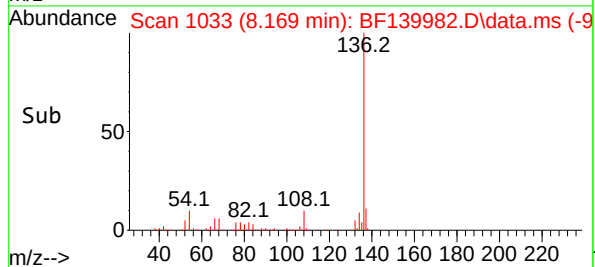
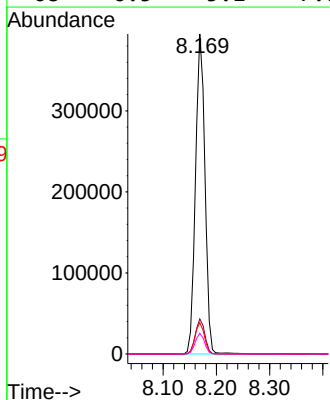
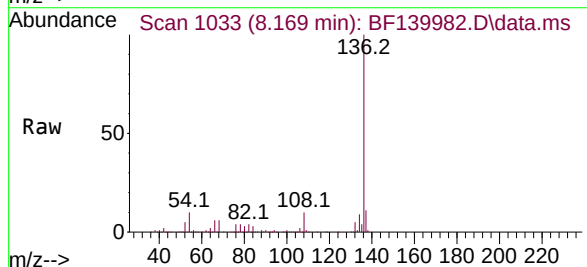
Instrument :
BNA_F
ClientSampleId :
SP-10

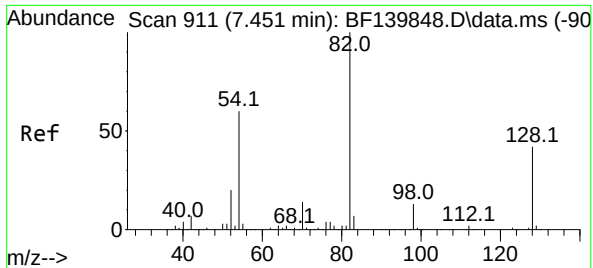
Tgt Ion: 99 Resp: 1064928
Ion Ratio Lower Upper
99 100
42 19.3 16.7 25.1
71 34.6 27.7 41.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF139982.D
Acq: 23 Oct 2024 23:43

Tgt Ion: 136 Resp: 485669
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 9.8 8.4 12.6
68 6.5 5.1 7.7





#23

Nitrobenzene-d5

Concen: 77.306 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF139982.D

Acq: 23 Oct 2024 23:43

Instrument :

BNA_F

ClientSampleId :

SP-10

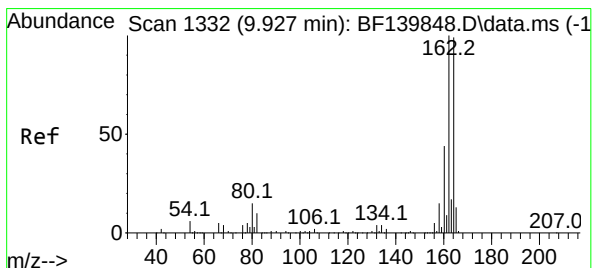
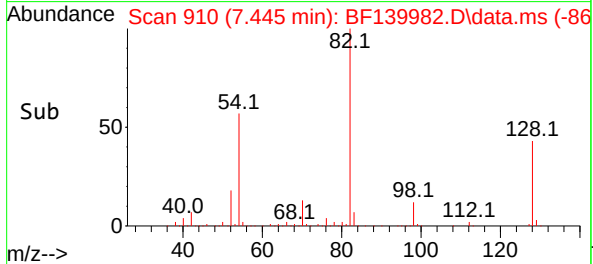
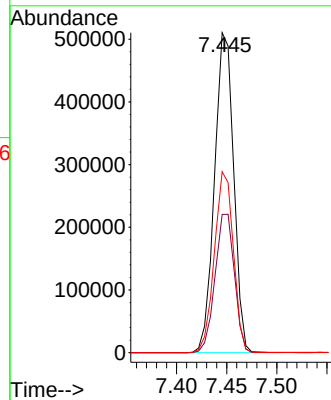
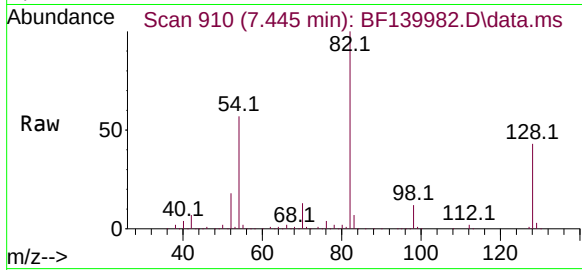
Tgt Ion: 82 Resp: 677418

Ion Ratio Lower Upper

82 100

128 43.2 33.4 50.0

54 56.6 47.8 71.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1331

Delta R.T. -0.005 min

Lab File: BF139982.D

Acq: 23 Oct 2024 23:43

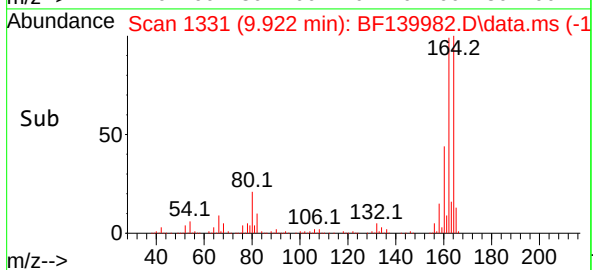
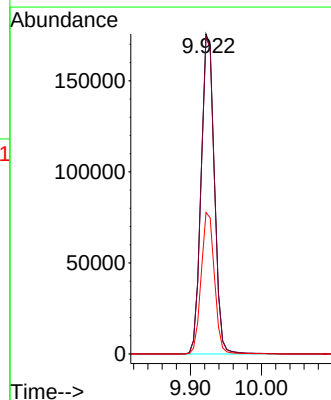
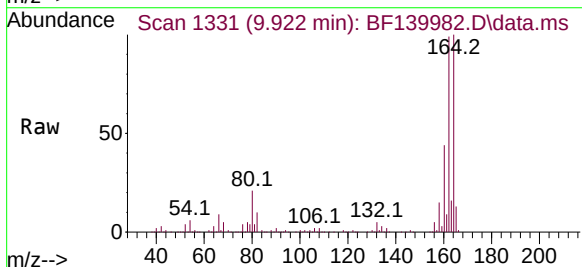
Tgt Ion:164 Resp: 228899

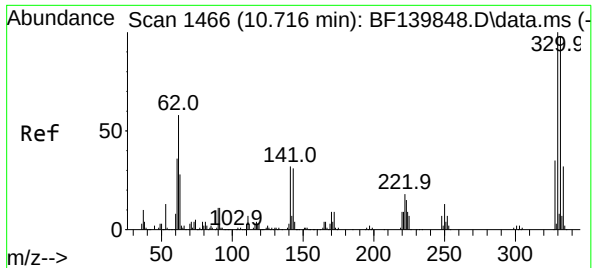
Ion Ratio Lower Upper

164 100

162 98.9 81.0 121.4

160 44.2 35.4 53.0

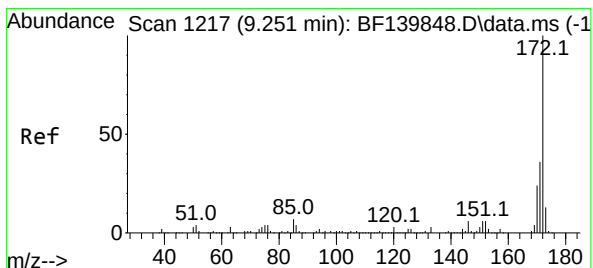
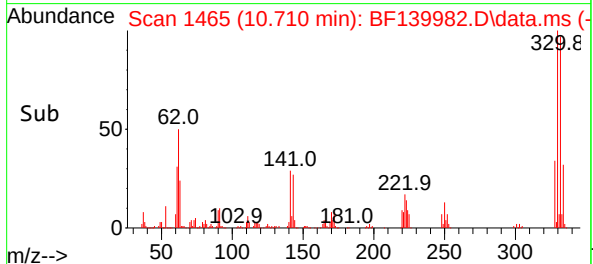
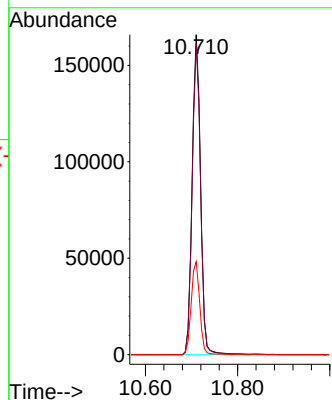
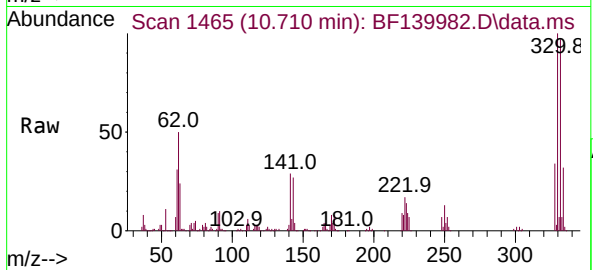




#42
2,4,6-Tribromophenol
Concen: 97.630 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF139982.D
Acq: 23 Oct 2024 23:43

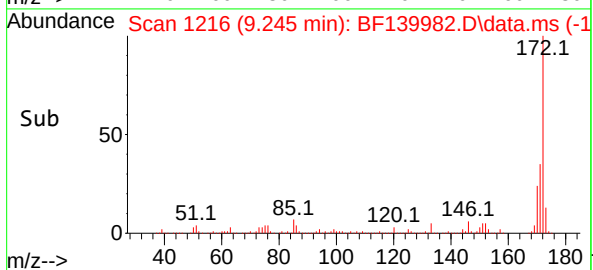
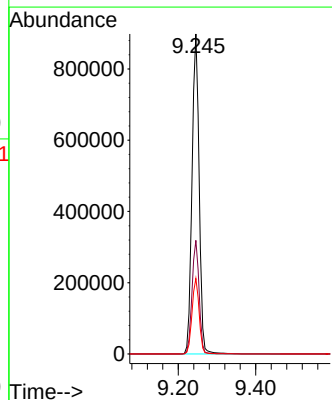
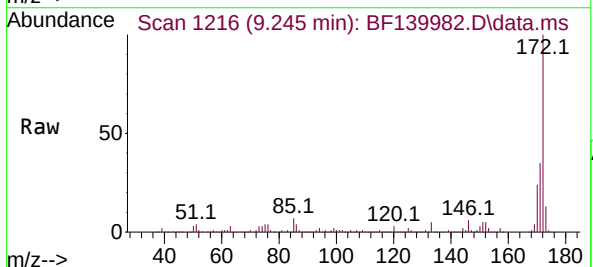
Instrument :
BNA_F
ClientSampleId :
SP-10

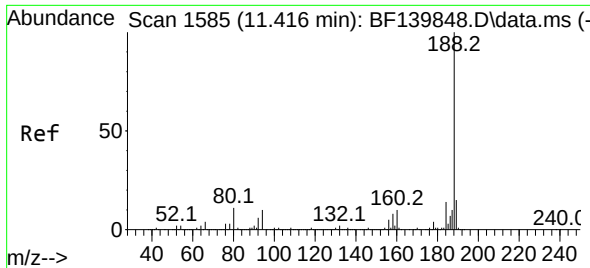
Tgt Ion:330 Resp: 209030
Ion Ratio Lower Upper
330 100
332 97.0 78.1 117.1
141 29.6 26.6 39.8



#45
2-Fluorobiphenyl
Concen: 82.865 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF139982.D
Acq: 23 Oct 2024 23:43

Tgt Ion:172 Resp: 1147684
Ion Ratio Lower Upper
172 100
171 35.5 28.6 43.0
170 23.6 19.1 28.7

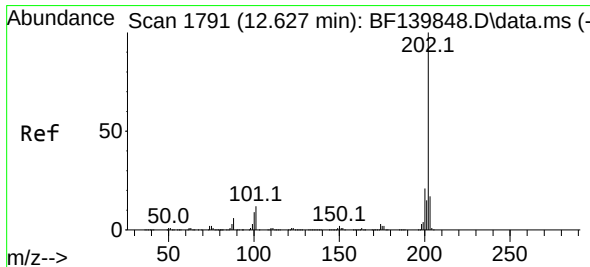
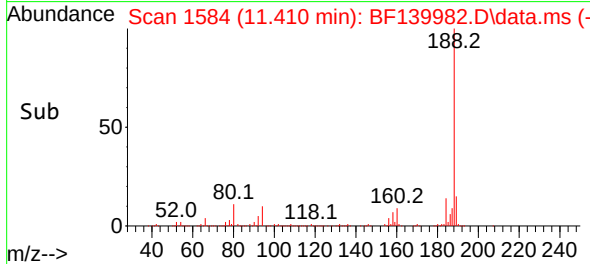
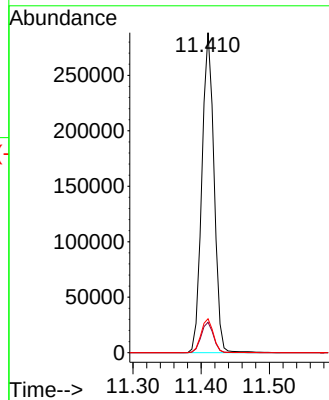
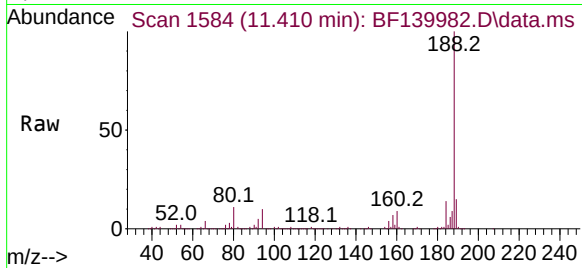




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139982.D
Acq: 23 Oct 2024 23:43

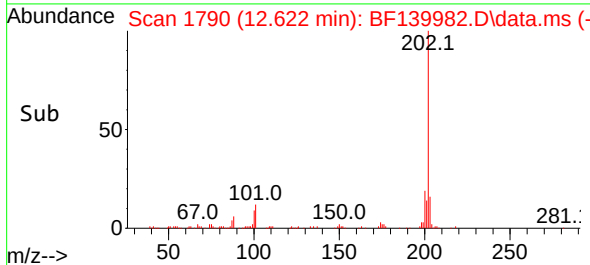
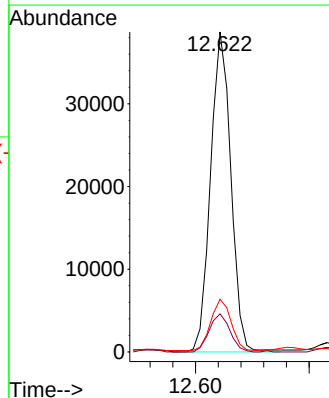
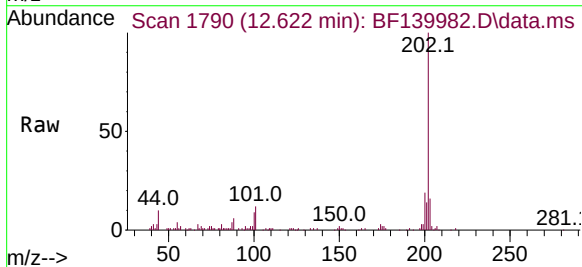
Instrument :
BNA_F
ClientSampleId :
SP-10

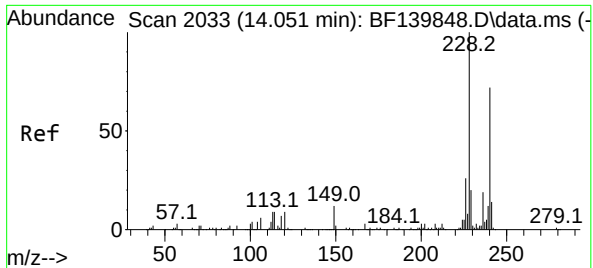
Tgt Ion:188 Resp: 357369
Ion Ratio Lower Upper
188 100
94 9.5 7.9 11.9
80 10.6 9.0 13.4



#75
Fluoranthene
Concen: 2.822 ng
RT: 12.622 min Scan# 1790
Delta R.T. -0.006 min
Lab File: BF139982.D
Acq: 23 Oct 2024 23:43

Tgt Ion:202 Resp: 48151
Ion Ratio Lower Upper
202 100
101 11.9 0.0 31.9
203 16.4 0.0 37.5

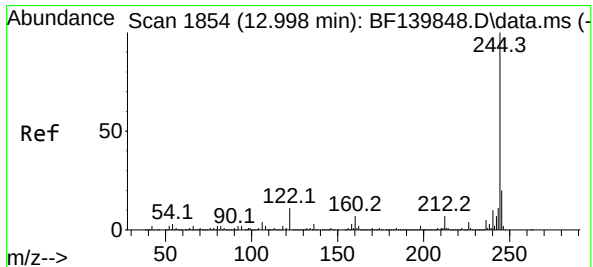
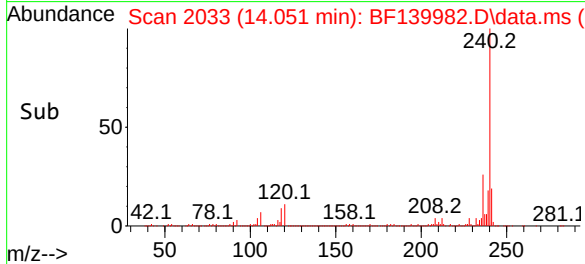
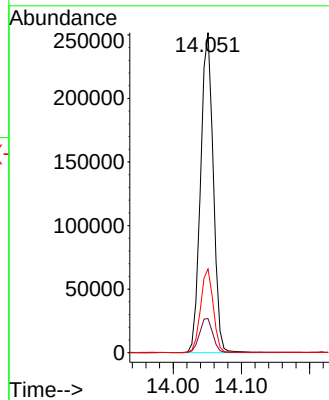
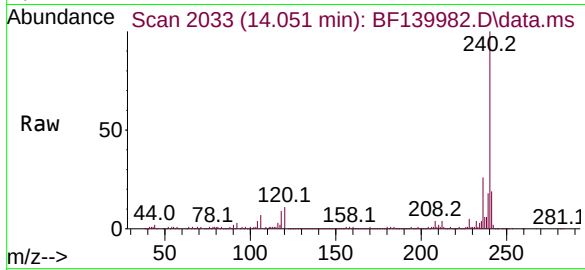




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF139982.D
Acq: 23 Oct 2024 23:43

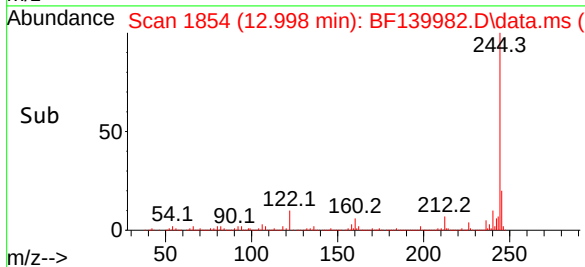
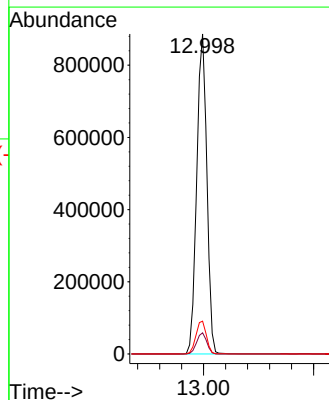
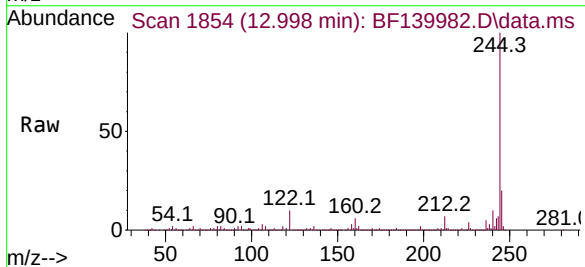
Instrument :
BNA_F
ClientSampleId :
SP-10

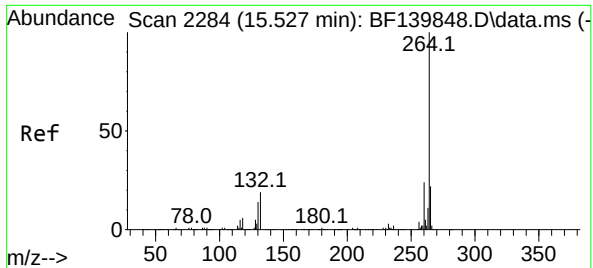
Tgt Ion:240 Resp: 325119
Ion Ratio Lower Upper
240 100
120 10.7 9.4 14.2
236 26.2 20.9 31.3



#79
Terphenyl-d14
Concen: 56.847 ng
RT: 12.998 min Scan# 1854
Delta R.T. 0.000 min
Lab File: BF139982.D
Acq: 23 Oct 2024 23:43

Tgt Ion:244 Resp: 1134232
Ion Ratio Lower Upper
244 100
212 6.6 5.7 8.5
122 10.3 8.6 13.0

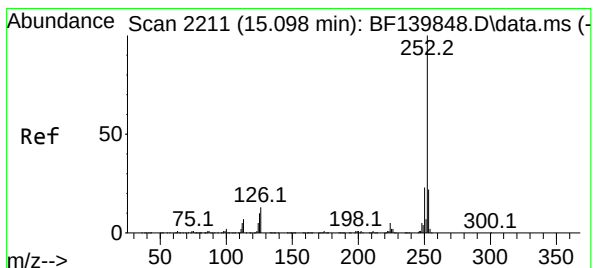
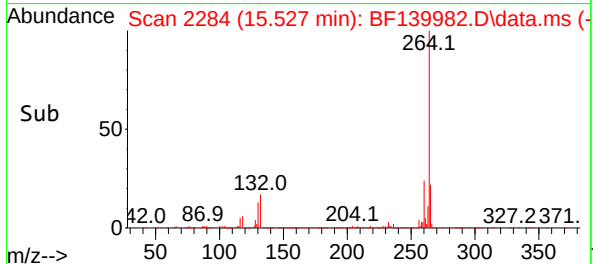
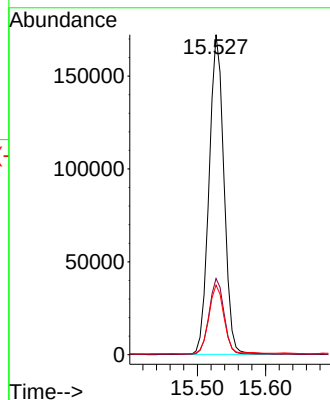
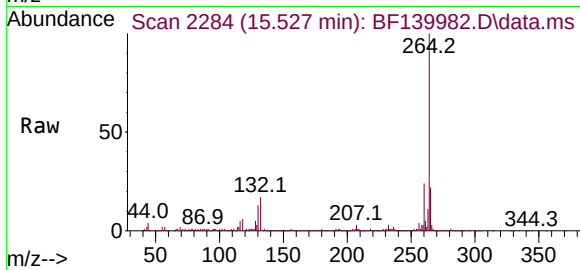




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.527 min Scan# 2110
 Delta R.T. 0.000 min
 Lab File: BF139982.D
 Acq: 23 Oct 2024 23:43

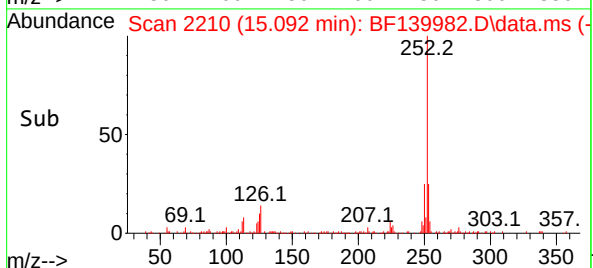
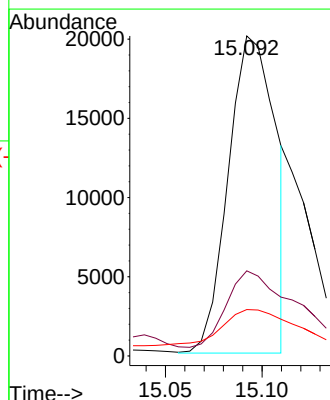
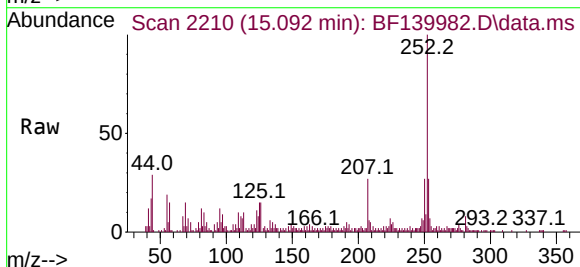
Instrument :
 BNA_F
 ClientSampleId :
 SP-10

Tgt Ion:264 Resp: 261481
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.4 29.2
 265 21.8 17.4 26.0



#88
 Benzo(b)fluoranthene
 Concen: 2.152 ng m
 RT: 15.092 min Scan# 2210
 Delta R.T. -0.006 min
 Lab File: BF139982.D
 Acq: 23 Oct 2024 23:43

Tgt Ion:252 Resp: 34278
 Ion Ratio Lower Upper
 252 100
 253 26.6 17.6 26.4#
 125 14.5 7.9 11.9#



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
Data File : BF139982.D
Acq On : 23 Oct 2024 23:43
Operator : RC/JU
Sample : P4385-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-10

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-BF101824.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF139982.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	10	19	26	rVB	1689887	2786409	84.25%	10.281%
2	5.116	506	514	525	rVB	159939	244659	7.40%	0.903%
3	5.504	574	580	586	rBV	2303364	3140172	94.95%	11.586%
4	6.504	744	750	756	rBV	2136808	3051865	92.28%	11.261%
5	6.887	810	815	821	rVB	641707	825276	24.95%	3.045%
6	7.445	904	910	915	rBV	1516765	2016660	60.98%	7.441%
7	7.698	949	953	959	rBV	74495	89396	2.70%	0.330%
8	8.169	1028	1033	1049	rVB	821324	1015555	30.71%	3.747%
9	8.381	1063	1069	1077	rBV	30225	41097	1.24%	0.152%
10	9.245	1210	1216	1226	rBV	2598374	3307121	100.00%	12.202%
11	9.922	1326	1331	1346	rBV	744972	972812	29.42%	3.589%
12	10.634	1447	1452	1459	rBV	130106	165180	4.99%	0.609%
13	10.710	1459	1465	1481	rVV	1231121	1577181	47.69%	5.819%
14	11.410	1579	1584	1592	rBV	685741	908669	27.48%	3.353%
15	11.933	1665	1673	1685	rBV	310680	502757	15.20%	1.855%
16	12.022	1685	1688	1697	rVB2	19270	42934	1.30%	0.158%
17	12.622	1785	1790	1796	rBV	94435	134802	4.08%	0.497%
18	12.722	1802	1807	1814	rBV	63323	110325	3.34%	0.407%
19	12.851	1824	1829	1835	rVB	85640	122033	3.69%	0.450%
20	12.998	1848	1854	1859	rBV	2267990	2927131	88.51%	10.800%
21	13.227	1889	1893	1899	rBV3	18562	44707	1.35%	0.165%
22	13.904	2003	2008	2021	rBV	153358	340801	10.31%	1.257%
23	14.051	2027	2033	2041	rBV	711483	1038194	31.39%	3.831%
24	14.521	2109	2113	2116	rBV	57182	89198	2.70%	0.329%
25	15.092	2207	2210	2219	rVB	52143	107997	3.27%	0.398%
26	15.174	2220	2224	2229	rBV	149504	215070	6.50%	0.794%
27	15.527	2279	2284	2296	rVB	449423	759070	22.95%	2.801%
28	15.768	2321	2325	2331	rBV	82295	135367	4.09%	0.499%
29	16.015	2362	2367	2372	rVB	118618	203072	6.14%	0.749%
30	16.833	2501	2506	2518	rVB	84458	186726	5.65%	0.689%

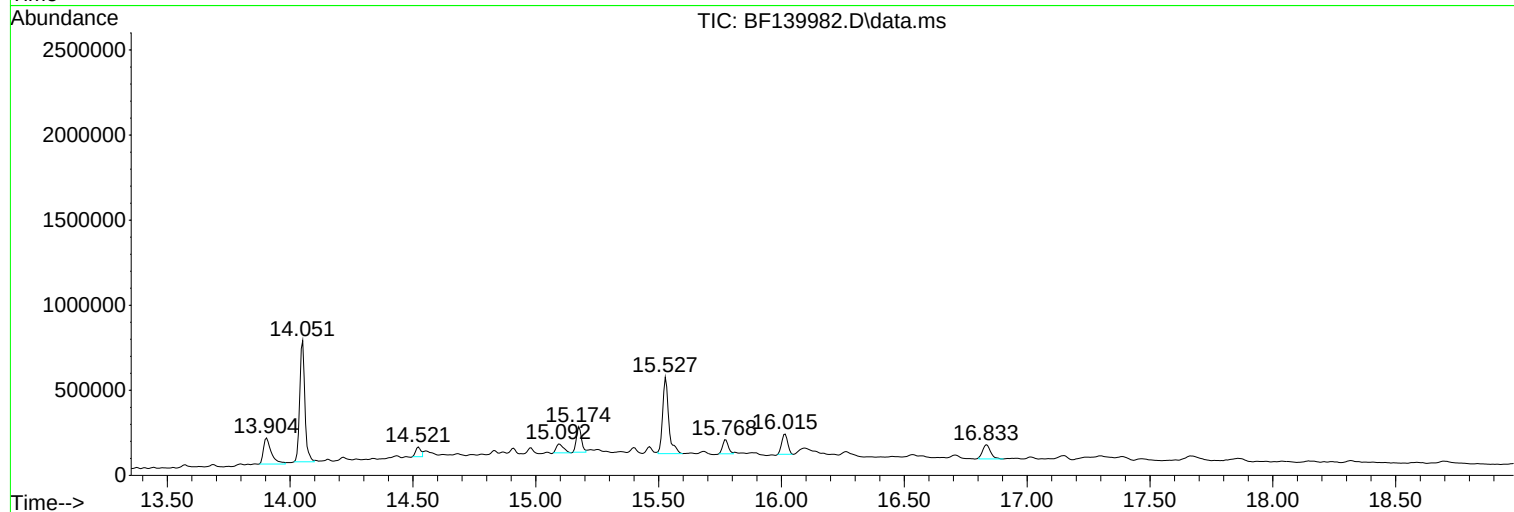
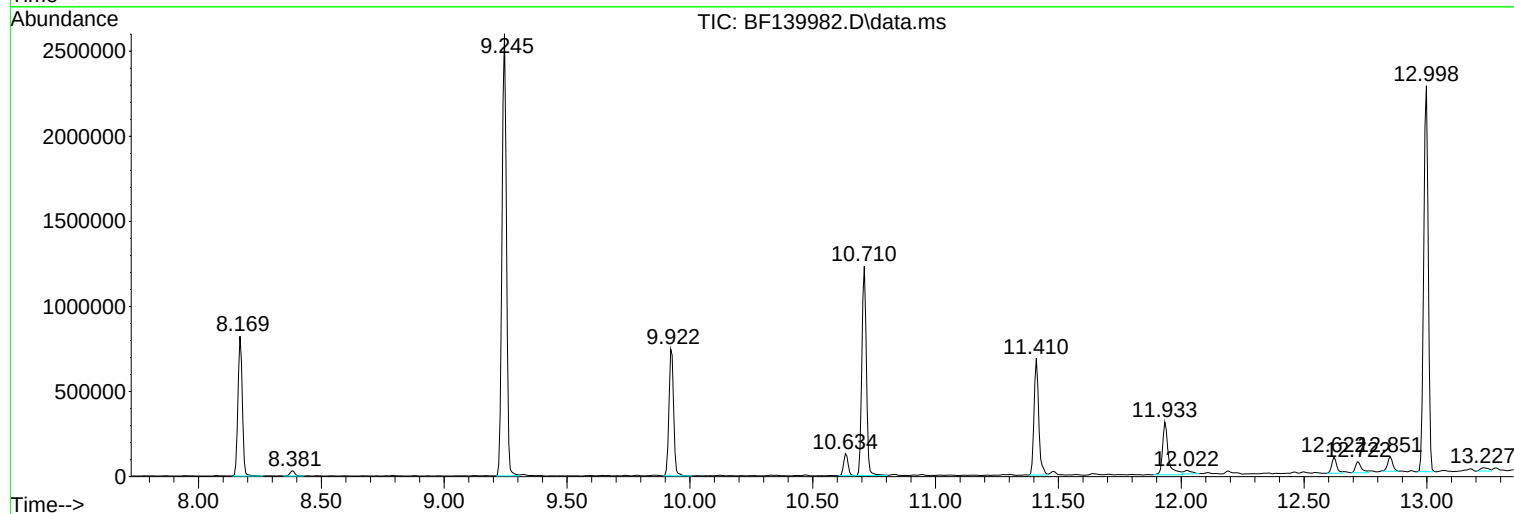
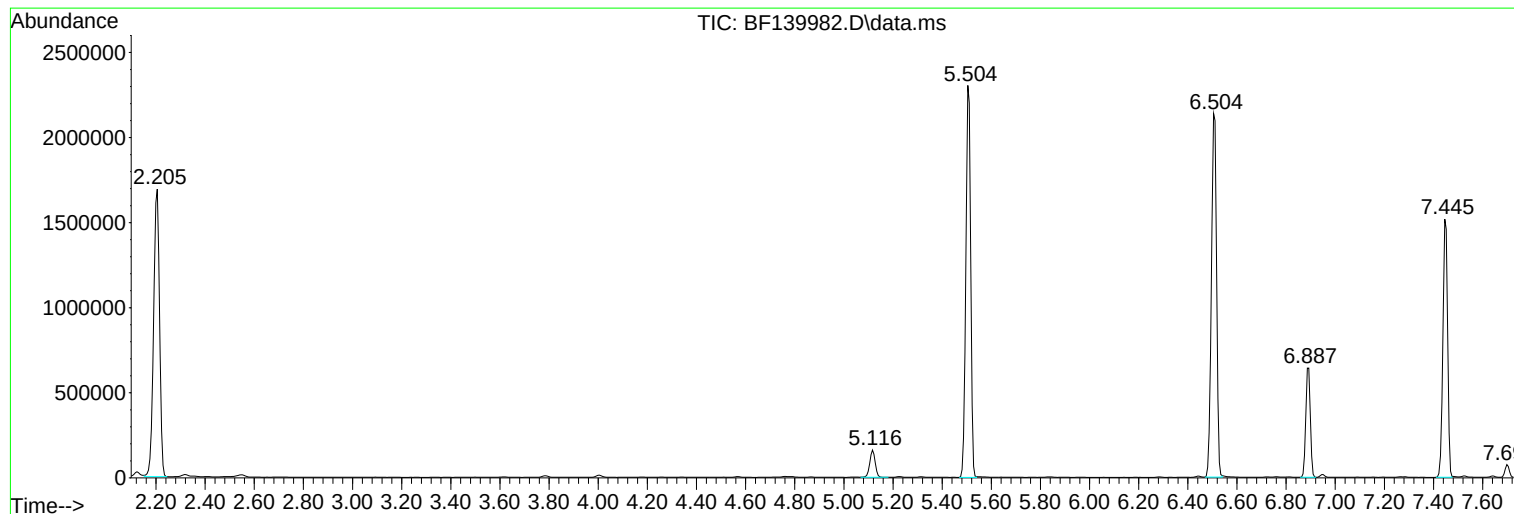
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Acq On : 23 Oct 2024 23:43
Operator : RC/JU
Sample : P4385-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.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\BF102324\
Data File : BF139982.D
Acq On : 23 Oct 2024 23:43
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Sample : P4385-20
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ClientSampleId :
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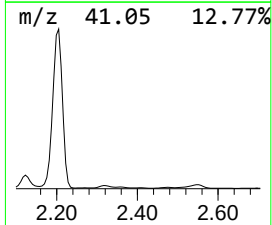
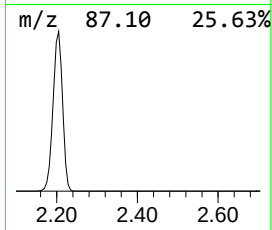
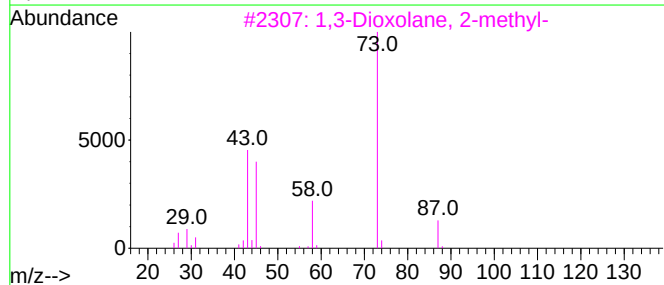
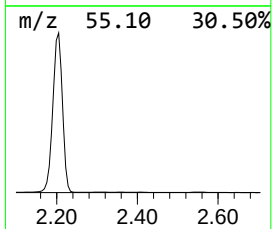
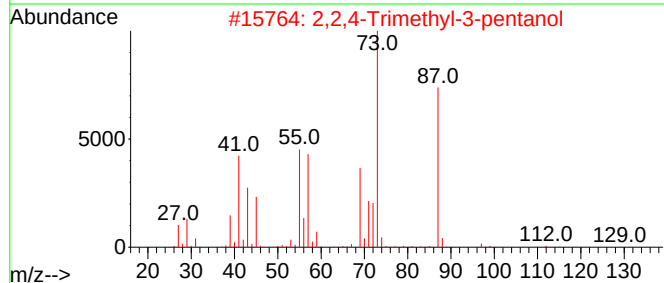
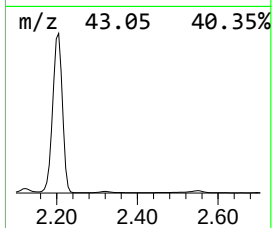
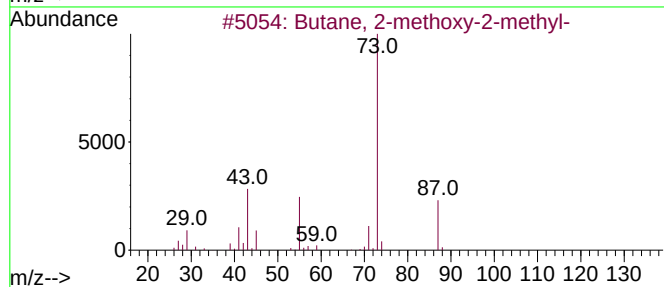
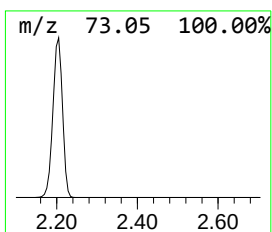
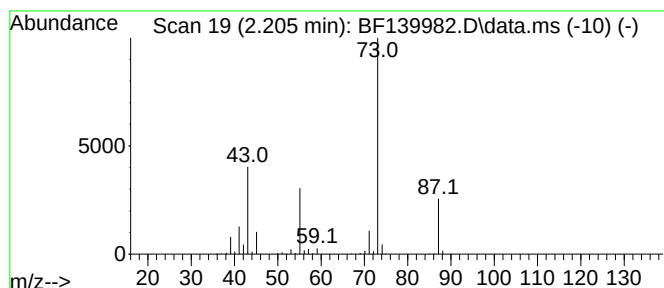
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.205	67.53 ng	2786410	1,4-Dichlorobenzene-d4	6.893

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3			1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
4			Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	17
5			Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
Data File : BF139982.D
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Sample : P4385-20
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ClientSampleId :
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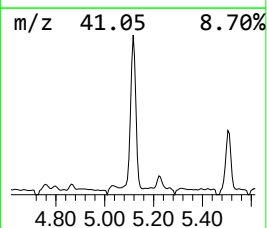
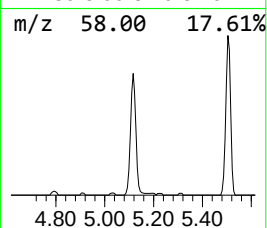
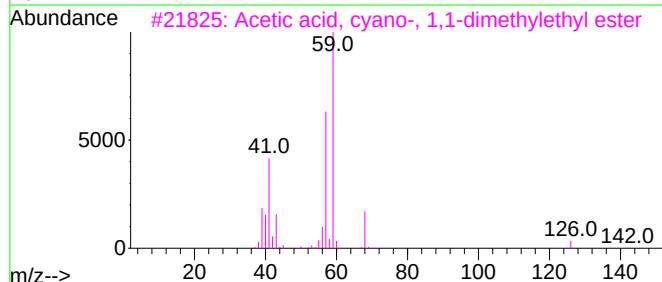
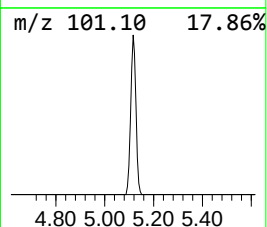
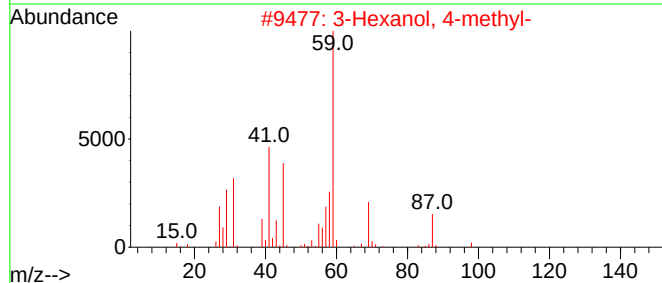
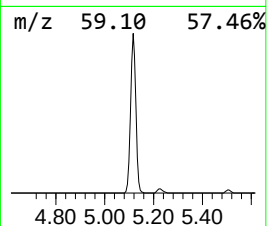
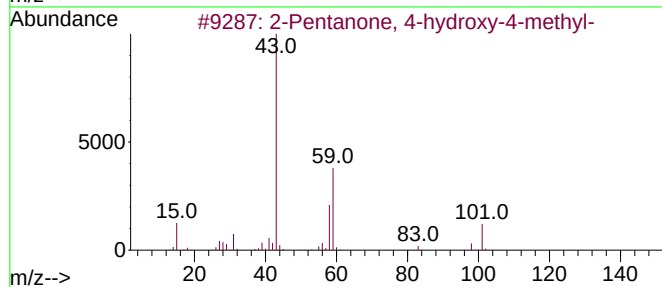
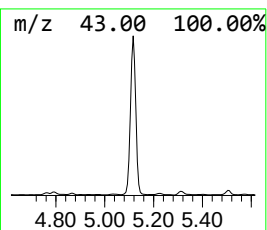
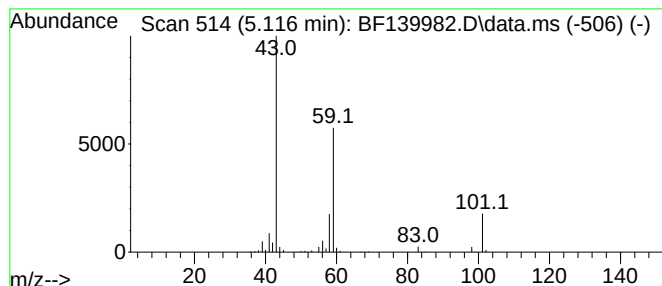
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.116	5.93 ng	244659	1,4-Dichlorobenzene-d4	6.893

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2		3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
3		Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
4		2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5		Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
Data File : BF139982.D
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Sample : P4385-20
Misc :
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Instrument :
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ClientSampleId :
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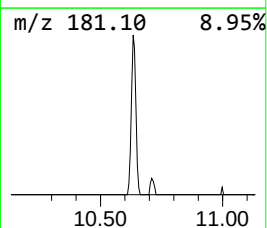
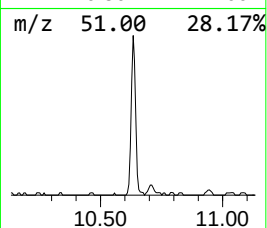
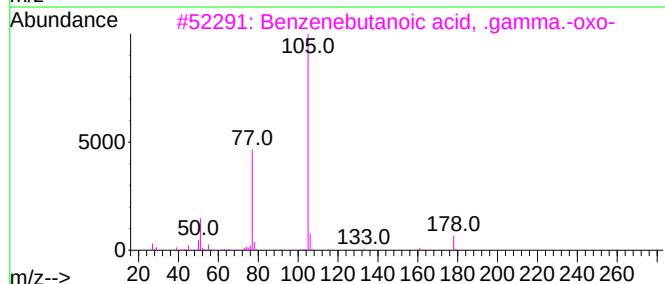
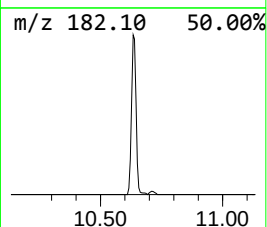
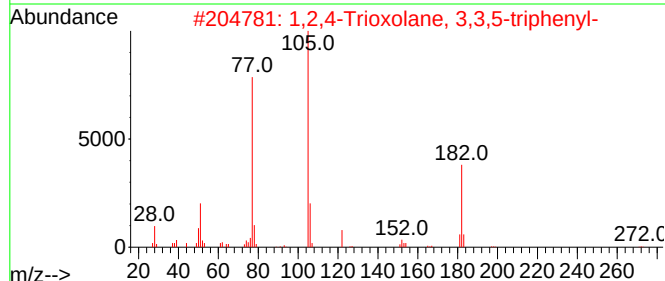
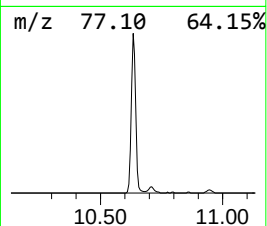
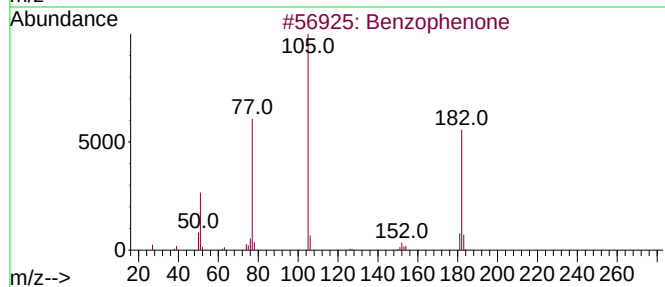
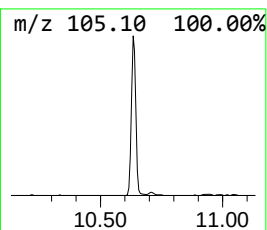
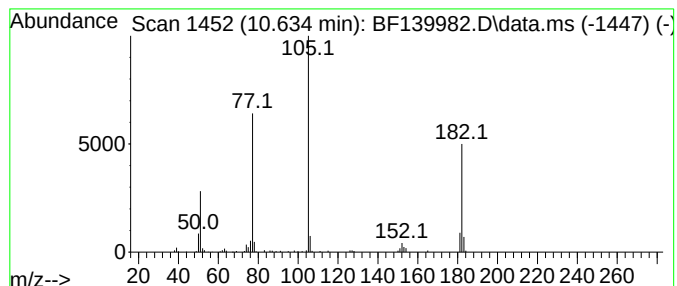
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Benzophenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.634	3.40 ng	165180	Acenaphthene-d10	9.922

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			1,2,4-Trioxolane, 3,3,5-triphenyl-	304	C20H16O3	023246-12-0	72
3			Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	47
4			1,2-Propanedione, 1-phenyl-	148	C9H8O2	000579-07-7	47
5			N-(1-Cyanovinyl)benzamide	172	C10H8N2O	1000186-19-1	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
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Acq On : 23 Oct 2024 23:43
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Sample : P4385-20
Misc :
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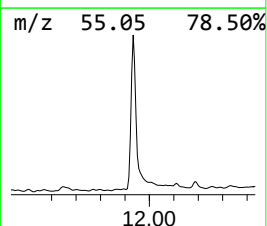
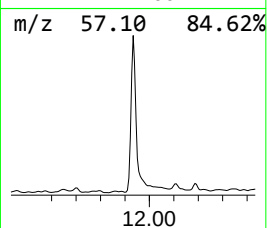
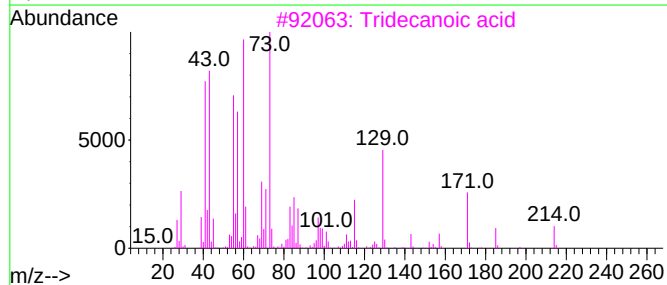
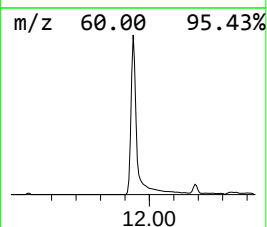
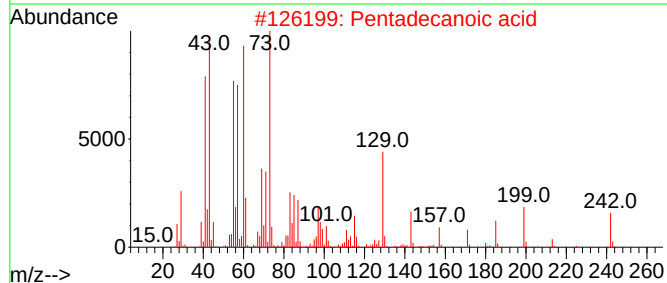
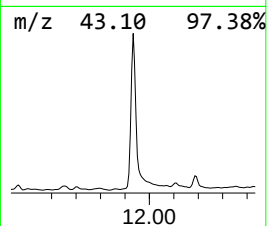
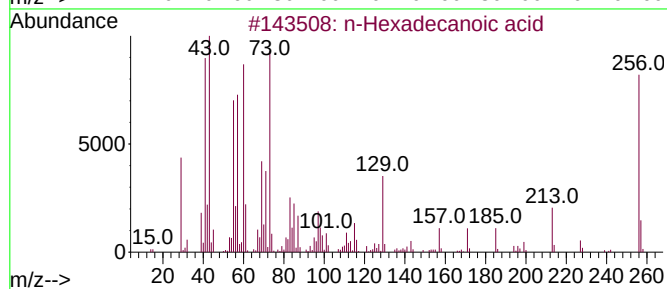
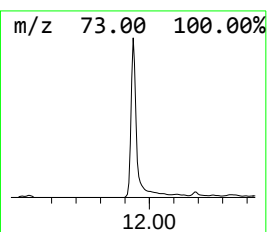
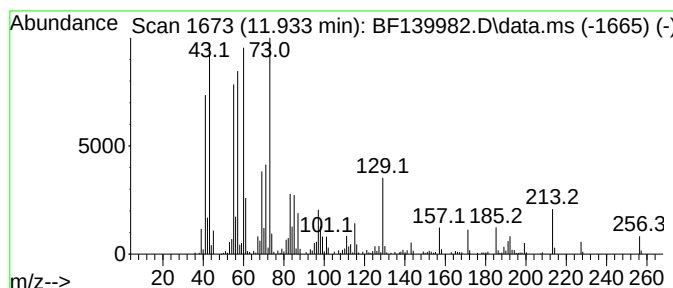
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.933	11.07 ng	502757	Phenanthrene-d10	11.410

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			Tridecanoic acid	214	C13H26O2	000638-53-9	89
4			Tetradecanoic acid	228	C14H28O2	000544-63-8	68
5			Nonanoic acid	158	C9H18O2	000112-05-0	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
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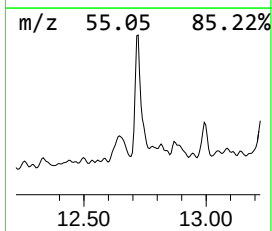
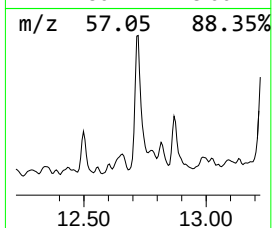
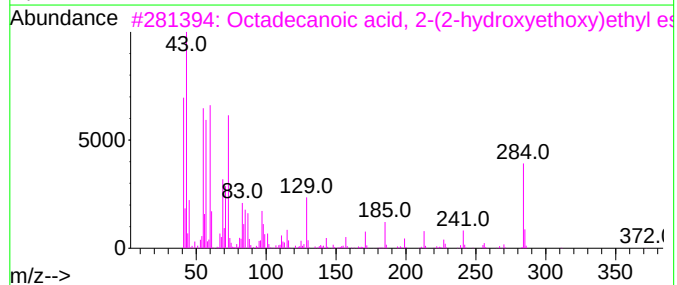
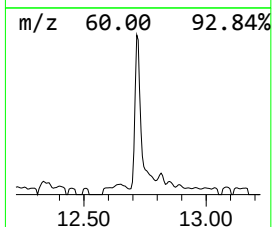
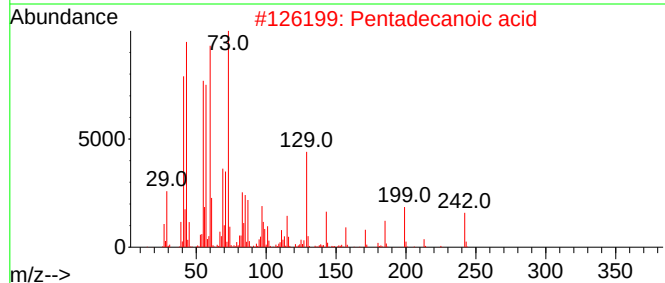
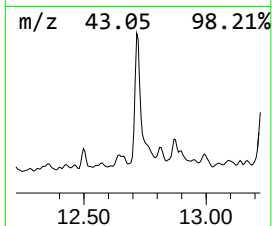
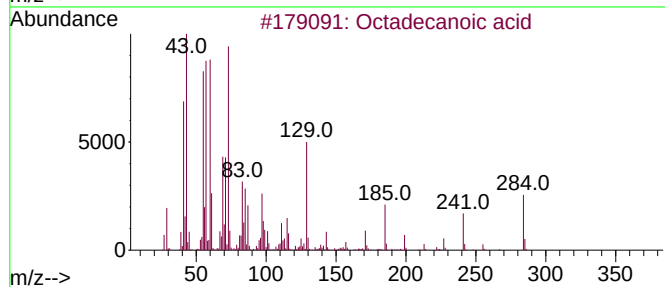
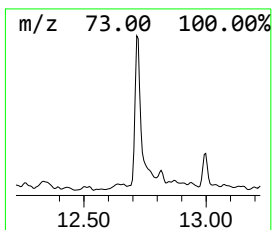
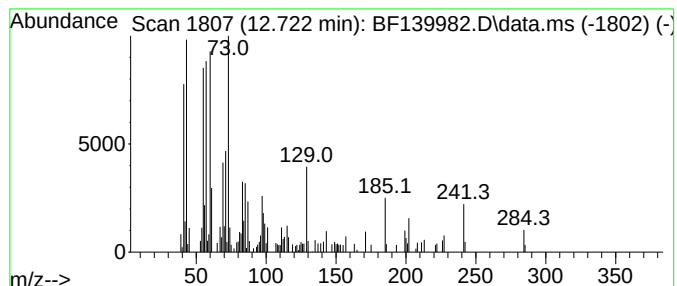
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Octadecanoic acid Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.722	2.43 ng	110325	Phenanthrene-d10	11.410

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octadecanoic acid	284	C18H36O2	000057-11-4	98
2			Pentadecanoic acid	242	C15H30O2	001002-84-2	95
3			Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	91
4			Tetradecanoic acid	228	C14H28O2	000544-63-8	83
5			Dodecanoic acid	200	C12H24O2	000143-07-7	74



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
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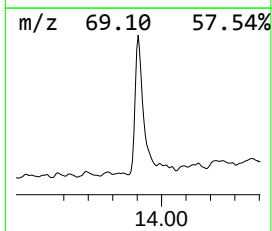
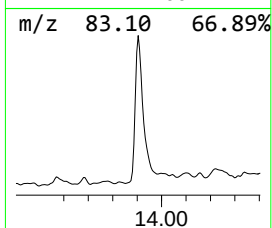
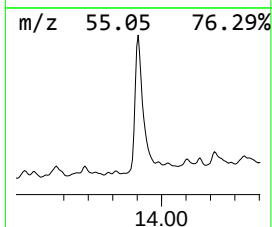
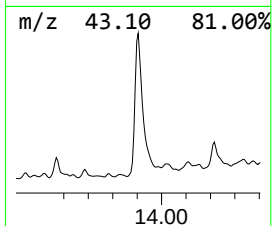
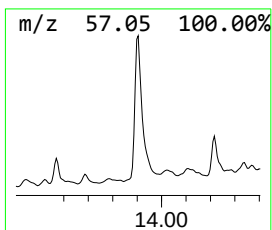
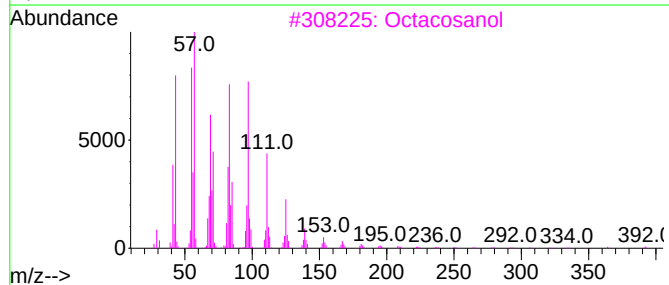
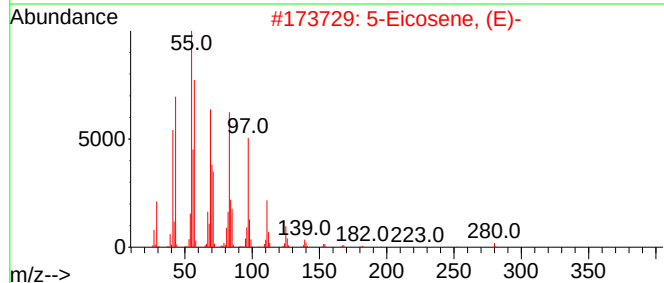
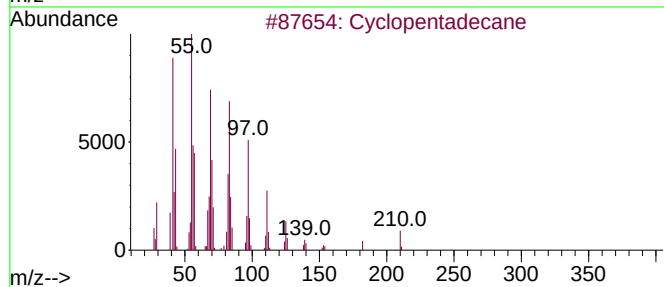
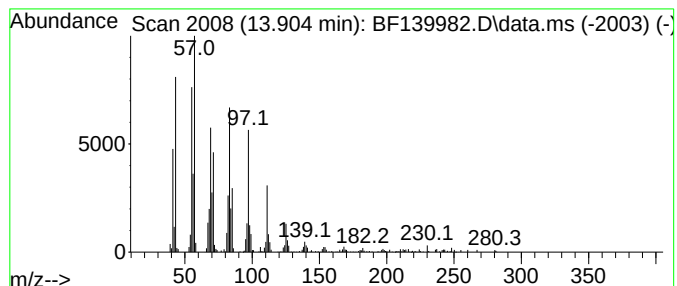
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Cyclopentadecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.904	6.57 ng	340801	Chrysene-d12	14.051

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentadecane	210	C15H30	000295-48-7	96
2			5-Eicosene, (E)-	280	C20H40	074685-30-6	95
3			Octacosanol	410	C28H58O	000557-61-9	94
4			Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	94
5			1-Hexacosene	364	C26H52	018835-33-1	94



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
Data File : BF139982.D
Acq On : 23 Oct 2024 23:43
Operator : RC/JU
Sample : P4385-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-10

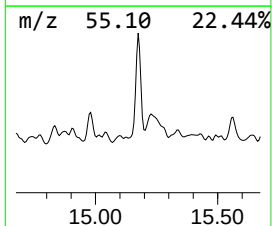
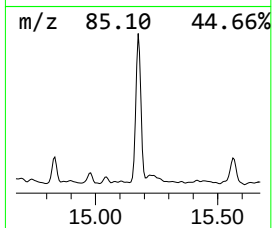
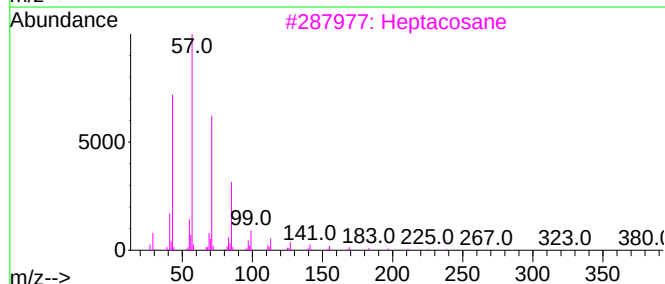
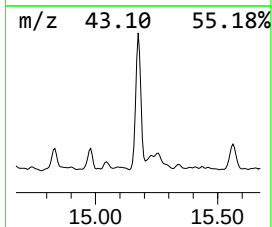
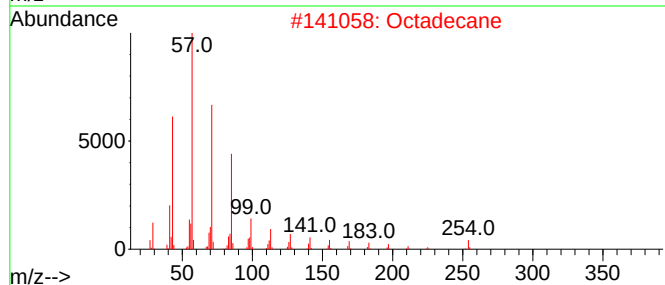
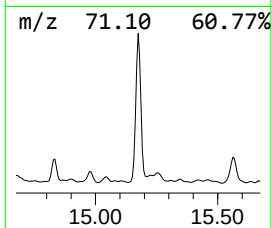
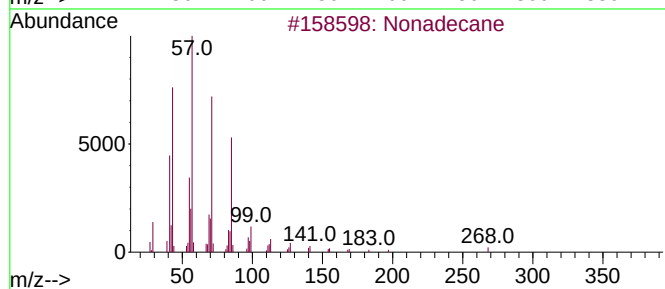
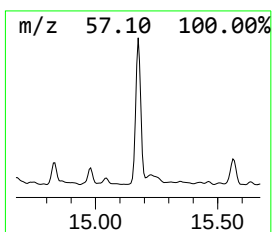
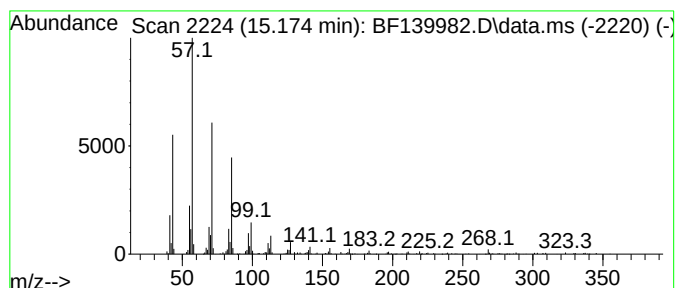
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Nonadecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.174	5.67 ng	215070	Perylene-d12	15.527

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonadecane	268	C19H40	000629-92-5	94
2			Octadecane	254	C18H38	000593-45-3	93
3			Heptacosane	380	C27H56	000593-49-7	91
4			Hexacosane	366	C26H54	000630-01-3	91
5			Heneicosane	296	C21H44	000629-94-7	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
Data File : BF139982.D
Acq On : 23 Oct 2024 23:43
Operator : RC/JU
Sample : P4385-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-10

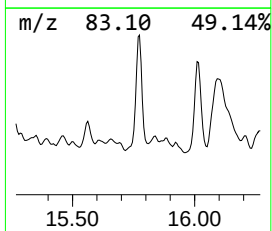
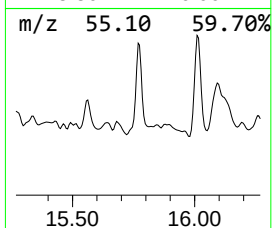
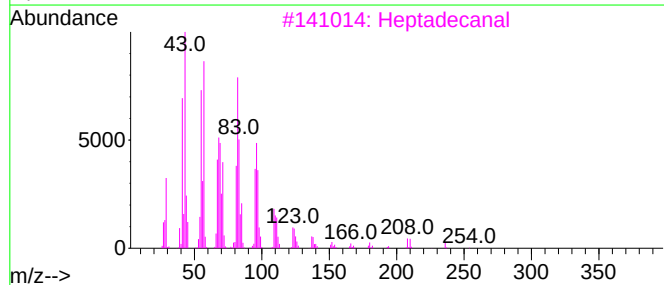
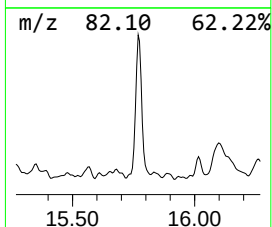
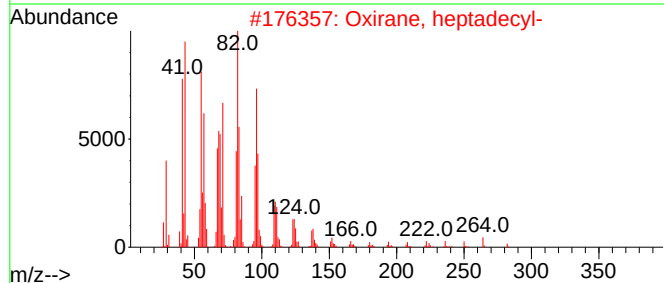
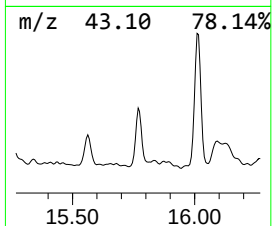
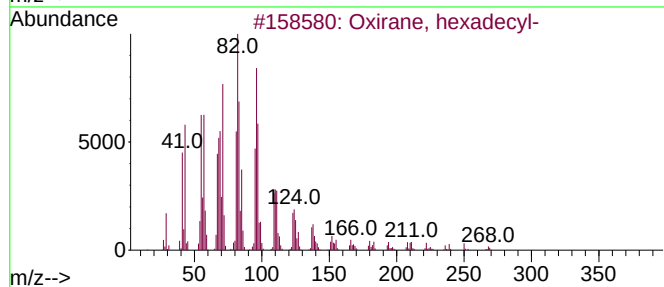
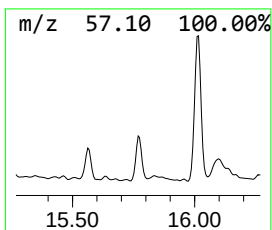
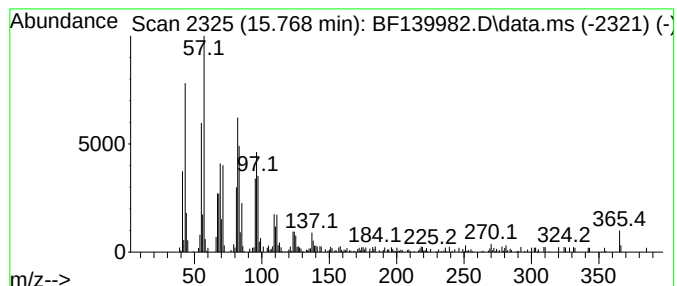
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Oxirane, hexadecyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.769	3.57 ng	135367	Perylene-d12	15.527

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Oxirane, hexadecyl-	268	C18H36O	007390-81-0	93
2			Oxirane, heptadecyl-	282	C19H38O	067860-04-2	93
3			Heptadecanal	254	C17H34O	1000376-70-0	91
4			Hexacosanal	380	C26H52O	026627-85-0	90
5			Eicosanal-	296	C20H40O	002400-66-0	86



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
Data File : BF139982.D
Acq On : 23 Oct 2024 23:43
Operator : RC/JU
Sample : P4385-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-10

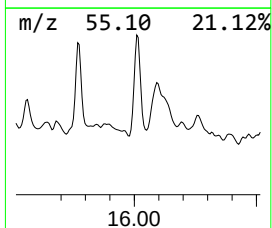
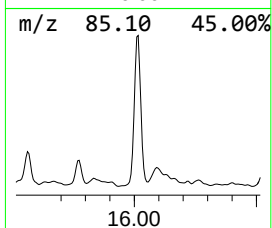
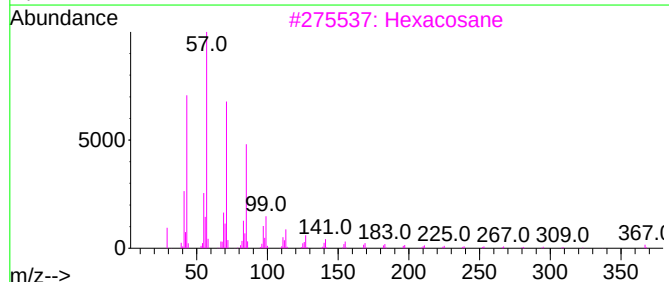
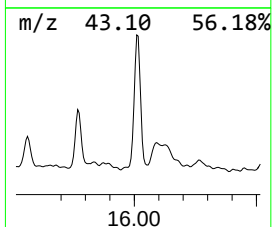
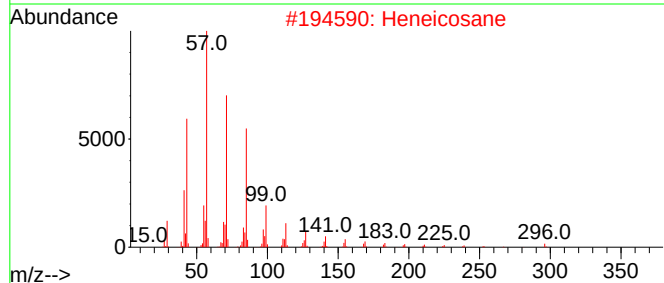
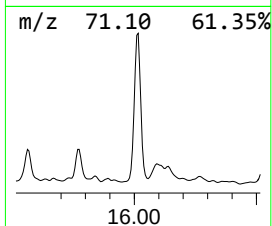
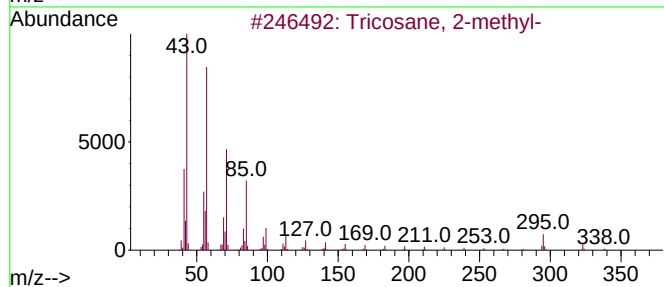
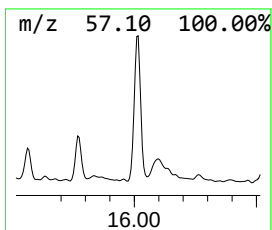
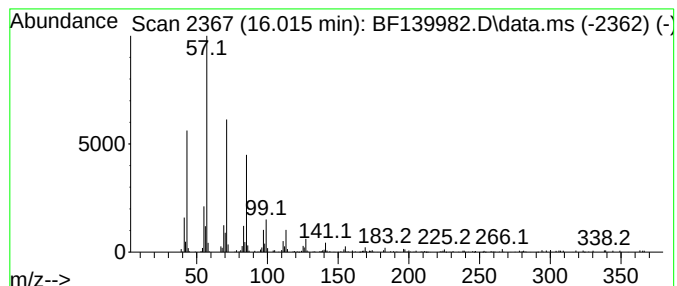
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Tricosane, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.015	5.35 ng	203072	Perylene-d12	15.527

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tricosane, 2-methyl-	338	C24H50	001928-30-9	94
2		Heneicosane	296	C21H44	000629-94-7	91
3		Hexacosane	366	C26H54	000630-01-3	91
4		Dotriacontane, 1-iodo-	576	C32H65I	1000406-32-4	91
5		Octacosane, 2-methyl-	408	C29H60	001560-98-1	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
Data File : BF139982.D
Acq On : 23 Oct 2024 23:43
Operator : RC/JU
Sample : P4385-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-10

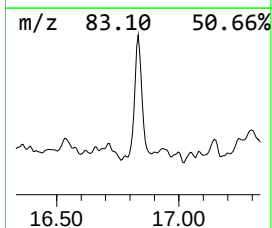
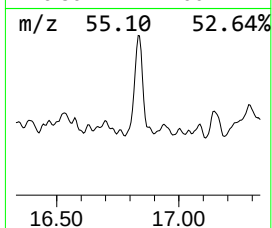
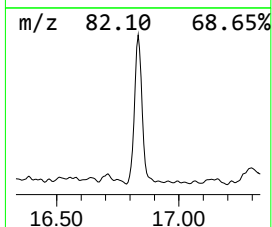
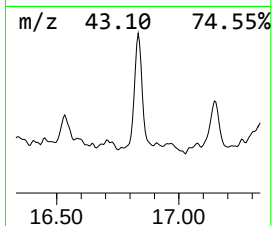
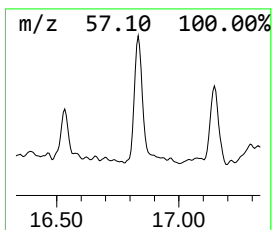
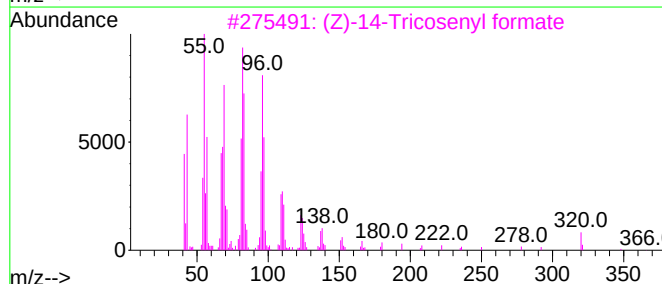
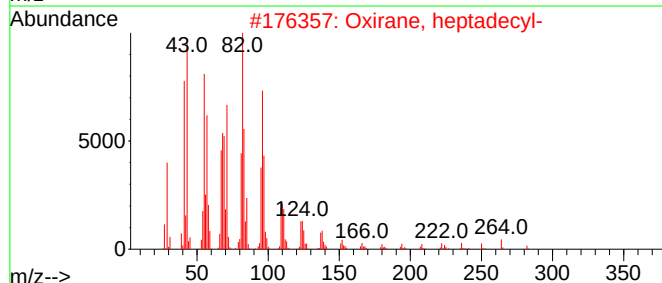
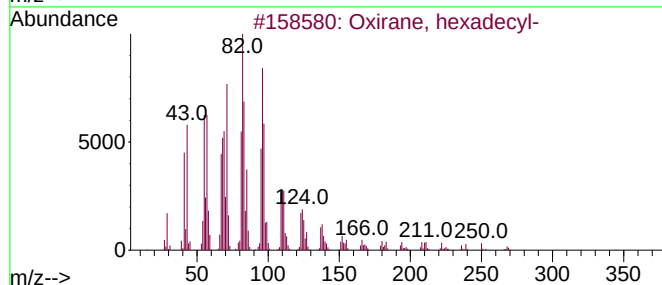
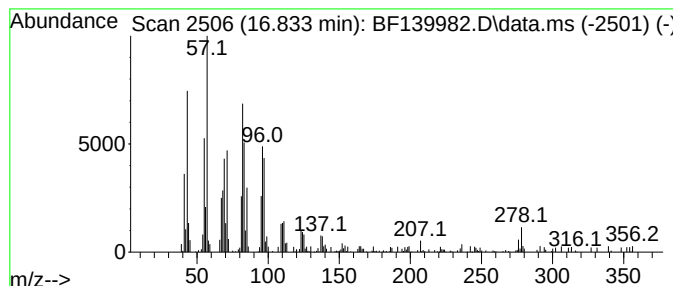
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Oxirane, heptadecyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.833	4.92 ng	186726	Perylene-d12	15.527

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Oxirane, hexadecyl-	268	C18H36O	007390-81-0	87
2		Oxirane, heptadecyl-	282	C19H38O	067860-04-2	62
3		(Z)-14-Tricosenyl formate	366	C24H46O2	077899-10-6	60
4		Tetradecane	198	C14H30	000629-59-4	59
5		Eicosanal-	296	C20H40O	002400-66-0	58



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
Data File : BF139982.D
Acq On : 23 Oct 2024 23:43
Operator : RC/JU
Sample : P4385-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-10

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.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
Butane, 2-metho...	2.205	67.5	ng	2786410	1	6.893	825276	20.0
2-Pentanone, 4-...	5.116	5.9	ng	244659	1	6.893	825276	20.0
Benzophenone	10.634	3.4	ng	165180	3	9.922	972812	20.0
n-Hexadecanoic ...	11.933	11.1	ng	502757	4	11.410	908669	20.0
Octadecanoic acid	12.722	2.4	ng	110325	4	11.410	908669	20.0
Cyclopentadecane	13.904	6.6	ng	340801	5	14.051	1038190	20.0
Nonadecane	15.174	5.7	ng	215070	6	15.527	759070	20.0
Oxirane, hexade...	15.769	3.6	ng	135367	6	15.527	759070	20.0
Tricosane, 2-me...	16.015	5.3	ng	203072	6	15.527	759070	20.0
Oxirane, heptad...	16.833	4.9	ng	186726	6	15.527	759070	20.0



CALIBRATION SUMMARY

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: SCHE03
 Lab Code: CHEM Case No.: P4385 SAS No.: P4385 SDG No.: P4385
 Instrument ID: BNA_F Calibration Date(s): 10/18/2024 10/18/2024
 Calibration Time(s): 10:27 13:46

LAB FILE ID:		RRF2.5 = BF139844.D		RRF005 = BF139845.D		RRF010 = BF139846.D		
		RRF020 = BF139847.D		RRF040 = BF139848.D		RRF050 = BF139849.D		
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorophenol		1.465	1.398	1.331	1.278	1.179	1.278	10.1
Benzaldehyde			1.137	1.042	0.940	0.873	0.931	15.2
Phenol-d6		1.900	1.818	1.709	1.647	1.538	1.655	10.1
Phenol		1.952	1.832	1.760	1.712	1.583	1.706	9.2
bis(2-Chloroethyl) ether		1.470	1.423	1.359	1.294	1.251	1.319	7.8
2-Chlorophenol		1.503	1.422	1.358	1.310	1.212	1.306	10.2
2-Methylphenol		1.264	1.164	1.134	1.114	1.053	1.114	7.7
2,2-oxybis(1-Chloropropane)		2.524	2.409	2.353	2.255	2.117	2.248	8.7
Acetophenone		0.578	0.533	0.516	0.481	0.452	0.490	11.4
3+4-Methylphenols		1.678	1.573	1.520	1.418	1.309	1.424	12.4
n-Nitroso-di-n-propylamine	1.105	1.141	1.066	1.025	0.974	0.921	1.004	9.6
Nitrobenzene-d5		0.365	0.365	0.372	0.371	0.354	0.361	2.9
Hexachloroethane		0.583	0.571	0.549	0.541	0.507	0.534	7.1
Nitrobenzene		0.417	0.402	0.408	0.403	0.383	0.396	4.1
Isophorone		0.755	0.709	0.702	0.679	0.652	0.685	5.9
2-Nitrophenol		0.124	0.137	0.150	0.157	0.158	0.149	9.2
2,4-Dimethylphenol		0.285	0.259	0.256	0.248	0.237	0.249	8.1
bis(2-Chloroethoxy) methane		0.468	0.440	0.432	0.412	0.394	0.415	8.2
2,4-Dichlorophenol		0.308	0.297	0.293	0.283	0.272	0.283	6.2
Naphthalene		1.209	1.121	1.091	1.023	0.958	1.031	11.2
4-Chloroaniline		0.397	0.382	0.368	0.351	0.332	0.352	9.3
Hexachlorobutadiene		0.224	0.206	0.203	0.197	0.185	0.197	8.0
Caprolactam		0.092	0.092	0.092	0.092	0.088	0.090	2.9
4-Chloro-3-methylphenol		0.341	0.328	0.324	0.315	0.299	0.314	6.0
2-Methylnaphthalene		0.740	0.689	0.666	0.621	0.587	0.632	11.1
Hexachlorocyclopentadiene		0.185	0.193	0.198	0.198	0.186	0.188	5.3
2,4,6-Trichlorophenol		0.405	0.382	0.400	0.387	0.363	0.382	4.8
2-Fluorobiphenyl		1.512	1.396	1.280	1.162	1.088	1.210	16.0
2,4,5-Trichlorophenol		0.426	0.425	0.398	0.401	0.381	0.394	6.6
1,1-Biphenyl		1.640	1.536	1.483	1.379	1.285	1.392	12.2
2-Chloronaphthalene		1.288	1.225	1.164	1.111	1.048	1.121	10.0
2-Nitroaniline		0.299	0.318	0.353	0.365	0.354	0.343	7.2
Dimethylphthalate		1.410	1.344	1.283	1.237	1.172	1.246	8.6
Acenaphthylene		1.854	1.756	1.717	1.615	1.507	1.621	10.1

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: SCHE03
 Lab Code: CHEM Case No.: P4385 SAS No.: P4385 SDG No.: P4385
 Instrument ID: BNA_F Calibration Date(s): 10/18/2024 10/18/2024
 Calibration Time(s): 10:27 13:46

LAB FILE ID:		RRF2.5 = BF139844.D			RRF005 = BF139845.D		RRF010 = BF139846.D	
		RRF020 = BF139847.D			RRF040 = BF139848.D		RRF050 = BF139849.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2,6-Dinitrotoluene		0.256	0.266	0.278	0.280	0.273	0.270	3.4
3-Nitroaniline		0.270	0.275	0.296	0.292	0.276	0.278	4.8
Acenaphthene		1.200	1.136	1.089	1.044	0.977	1.049	9.5
2,4-Dinitrophenol			0.056	0.077	0.101	0.101	0.093	23.9
4-Nitrophenol		0.187	0.207	0.225	0.232	0.219	0.214	6.8
Dibenzofuran		1.767	1.659	1.579	1.486	1.389	1.505	11.5
2,4-Dinitrotoluene		0.280	0.314	0.337	0.356	0.344	0.332	7.9
Diethylphthalate		1.366	1.308	1.267	1.214	1.165	1.223	8.0
4-Chlorophenyl-phenylether		0.698	0.638	0.617	0.569	0.526	0.579	13.1
Fluorene		1.409	1.309	1.201	1.110	1.029	1.146	14.7
4-Nitroaniline		0.249	0.259	0.270	0.275	0.263	0.263	3.6
4,6-Dinitro-2-methylphenol			0.055	0.072	0.087	0.090	0.082	18.6
n-Nitrosodiphenylamine		0.672	0.641	0.621	0.595	0.568	0.599	8.1
2,4,6-Tribromophenol		0.201	0.196	0.193	0.188	0.179	0.187	5.5
4-Bromophenyl-phenylether		0.230	0.217	0.211	0.202	0.197	0.206	7.0
Hexachlorobenzene		0.258	0.245	0.237	0.231	0.217	0.232	7.2
Atrazine		0.189	0.175	0.156	0.175	0.135	0.162	11.4
Pentachlorophenol		0.118	0.137	0.148	0.152	0.145	0.141	8.0
Phenanthrene		1.121	1.035	0.994	0.933	0.863	0.945	11.8
Anthracene		1.082	1.014	0.972	0.913	0.851	0.922	11.5
Carbazole		1.002	0.964	0.923	0.846	0.776	0.857	12.6
Di-n-butylphthalate		1.104	1.071	1.062	1.014	0.923	0.990	9.8
Fluoranthene		1.149	1.108	1.036	0.943	0.842	0.955	15.3
Pyrene		1.892	1.828	1.900	1.805	1.685	1.751	8.4
Terphenyl-d14		1.381	1.335	1.340	1.244	1.154	1.227	11.0
Butylbenzylphthalate		0.490	0.513	0.536	0.555	0.535	0.525	4.0
3,3-Dichlorobenzidine		0.368	0.372	0.390	0.387	0.374	0.380	2.2
Benzo (a) anthracene		1.425	1.355	1.329	1.331	1.267	1.302	6.5
Chrysene		1.325	1.244	1.234	1.167	1.134	1.194	6.5
Bis (2-ethylhexyl) phthalate		0.520	0.539	0.577	0.626	0.620	0.589	7.5
Di-n-octyl phthalate			0.786	0.930	1.135	1.182	1.071	16.1
Benzo (b) fluoranthene		1.317	1.240	1.319	1.196	1.105	1.218	7.1
Benzo (k) fluoranthene		1.213	1.177	0.992	1.066	1.030	1.051	10.4
Benzo (a) pyrene		1.030	1.024	1.018	1.025	0.974	1.002	3.1
Indeno (1,2,3-cd) pyrene		1.209	1.261	1.307	1.352	1.299	1.287	3.8

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: SCHE03

Lab Code: CHEM Case No.: P4385 SAS No.: P4385 SDG No.: P4385

Instrument ID: BNA_F Calibration Date(s): 10/18/2024 10/18/2024

Calibration Time(s): 10:27 13:46

LAB FILE ID:		RRF2.5 = BF139844.D		RRF005 = BF139845.D		RRF010 = BF139846.D		
		RRF020 = BF139847.D		RRF040 = BF139848.D		RRF050 = BF139849.D		
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Dibenzo (a,h) anthracene		1.021	1.064	1.103	1.120	1.083	1.073	3.3
Benzo (g,h,i) perylene		1.030	1.046	1.090	1.128	1.081	1.072	3.4
1,2,4,5-Tetrachlorobenzene		0.609	0.579	0.562	0.537	0.512	0.540	8.7
1,4-Dioxane		0.651	0.625	0.603	0.591	0.571	0.596	5.7
2,3,4,6-Tetrachlorophenol		0.334	0.322	0.326	0.310	0.296	0.309	6.3

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-BF101824.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri Oct 18 15:07:50 2024
 Response Via : Initial Calibration

Calibration Files

2.5 =BF139844.D 5 =BF139845.D 10 =BF139846.D 20 =BF139847.D 40 =BF139848.D 50 =BF139849.D 60 =BF139850.D 80 =BF139851.D

	Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.651	0.625	0.603	0.591	0.571	0.581	0.548	0.596	5.74	
3)	Pyridine	1.622	1.570	1.522	1.504	1.386	1.406	1.326	1.476	7.26	
4)	n-Nitrosodimet...	0.815	0.800	0.799	0.806	0.782	0.794	0.757	0.793	2.39	
5) S	2-Fluorophenol	1.465	1.398	1.331	1.278	1.179	1.186	1.106	1.278	10.10	
6)	Aniline	1.673	1.649	1.618	1.582	1.471	1.479	1.324	1.542	8.05	
7) S	Phenol-d6	1.900	1.818	1.709	1.647	1.538	1.539	1.432	1.655	10.06	
8)	2-Chlorophenol	1.503	1.422	1.358	1.310	1.212	1.221	1.116	1.306	10.24	
9)	Benzaldehyde		1.137	1.042	0.940	0.873	0.853	0.740	0.931	15.22	
10) C	Phenol	1.952	1.832	1.760	1.712	1.583	1.601	1.502	1.706	9.19	
11)	bis(2-Chloroet...	1.470	1.423	1.359	1.294	1.251	1.249	1.183	1.319	7.82	
12)	1,3-Dichlorobe...	1.718	1.656	1.544	1.499	1.392	1.391	1.294	1.499	10.19	
13) C	1,4-Dichlorobe...	1.723	1.641	1.558	1.487	1.392	1.391	1.291	1.498	10.19	
14)	1,2-Dichlorobe...	1.660	1.579	1.478	1.379	1.273	1.267	1.149	1.398	13.15	
15)	Benzyl Alcohol	1.355	1.299	1.257	1.213	1.154	1.146	1.071	1.214	8.07	
16)	2,2'-oxybis(1-...	2.524	2.409	2.353	2.255	2.117	2.115	1.964	2.248	8.69	
17)	2-Methylphenol	1.264	1.164	1.134	1.114	1.053	1.063	1.004	1.114	7.69	
18)	Hexachloroethane	0.583	0.571	0.549	0.541	0.507	0.511	0.477	0.534	7.06	
19) P	n-Nitroso-di-n...	1.105	1.141	1.066	1.025	0.974	0.921	0.927	0.869	1.004	9.63
20)	3+4-Methylphenols		1.678	1.573	1.520	1.418	1.309	1.300	1.173	1.424	12.41
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.578	0.533	0.516	0.481	0.452	0.454	0.414	0.490	11.43	
23) S	Nitrobenzene-d5	0.365	0.365	0.372	0.371	0.354	0.357	0.342	0.361	2.92	
24)	Nitrobenzene	0.417	0.402	0.408	0.403	0.383	0.388	0.370	0.396	4.10	
25)	Isophorone	0.755	0.709	0.702	0.679	0.652	0.660	0.637	0.685	5.90	
26) C	2-Nitrophenol	0.124	0.137	0.150	0.157	0.158	0.161	0.157	0.149	9.22	
27)	2,4-Dimethylph...	0.285	0.259	0.256	0.248	0.237	0.234	0.223	0.249	8.07	
28)	bis(2-Chloroet...	0.468	0.440	0.432	0.412	0.394	0.390	0.369	0.415	8.22	
29) C	2,4-Dichloroph...	0.308	0.297	0.293	0.283	0.272	0.274	0.257	0.283	6.17	
30)	1,2,4-Trichlor...	0.351	0.331	0.325	0.315	0.298	0.298	0.279	0.314	7.68	
31)	Naphthalene	1.209	1.121	1.091	1.023	0.958	0.944	0.875	1.031	11.23	
32)	Benzoic acid		0.175	0.207	0.220	0.231	0.235	0.235	0.217	10.69	
33)	4-Chloroaniline	0.397	0.382	0.368	0.351	0.332	0.326	0.306	0.352	9.26	
34) C	Hexachlorobuta...	0.224	0.206	0.203	0.197	0.185	0.187	0.177	0.197	7.96	
35)	Caprolactam	0.092	0.092	0.092	0.092	0.088	0.088	0.086	0.090	2.85	
36) C	4-Chloro-3-met...	0.341	0.328	0.324	0.315	0.299	0.303	0.287	0.314	6.03	
37)	2-Methylnaphth...	0.740	0.689	0.666	0.621	0.587	0.583	0.537	0.632	11.11	
38)	1-Methylnaphth...	0.726	0.683	0.655	0.612	0.569	0.567	0.526	0.620	11.55	

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF101824.M

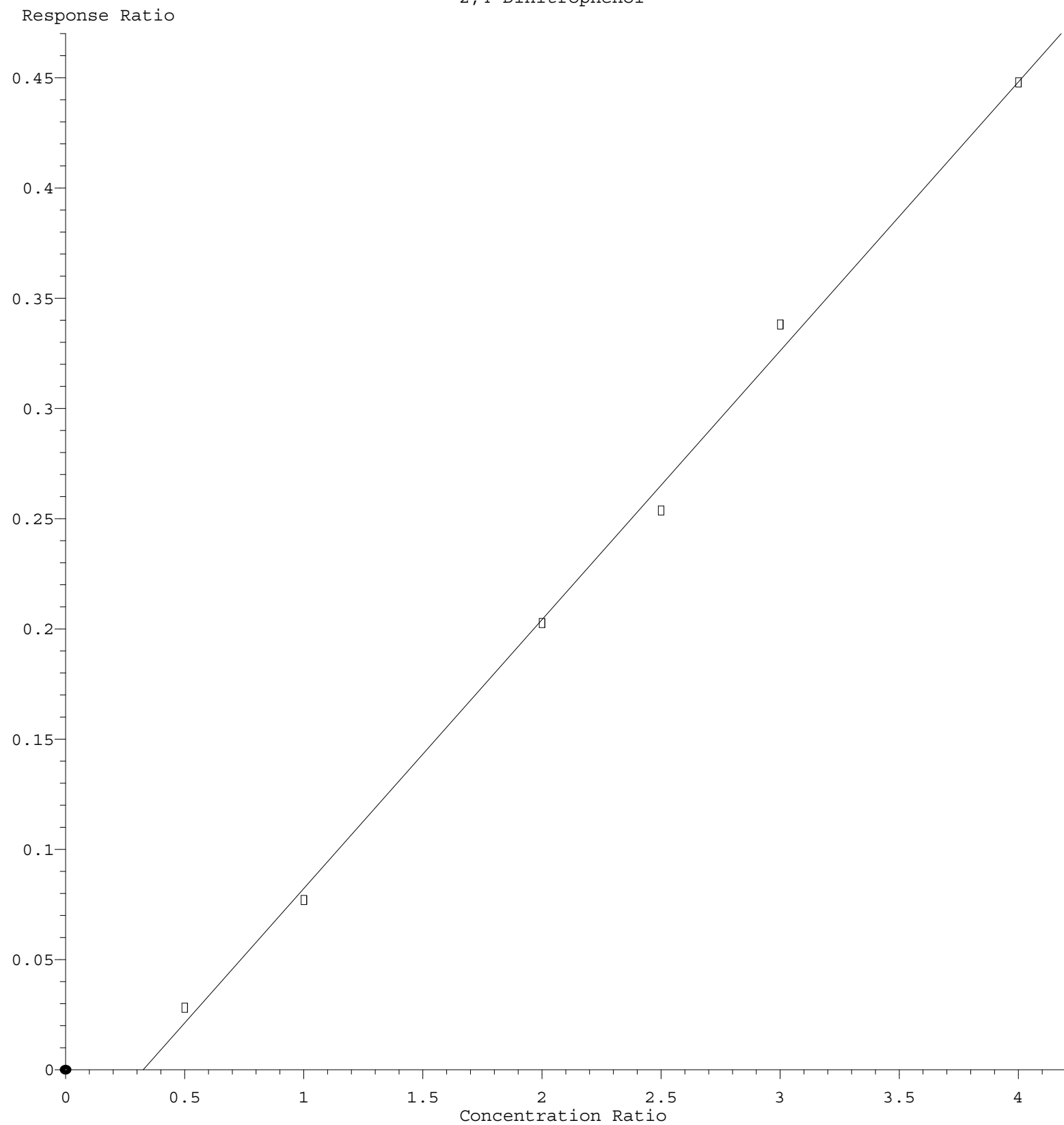
39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.609	0.579	0.562	0.537	0.512	0.506	0.472	0.540	8.72	
41) P	Hexachlorocycl...	0.185	0.193	0.198	0.198	0.186	0.185	0.169	0.188	5.28	
42) S	2,4,6-Tribromo...	0.201	0.196	0.193	0.188	0.179	0.180	0.173	0.187	5.47	
43) C	2,4,6-Trichlor...	0.405	0.382	0.400	0.387	0.363	0.383	0.354	0.382	4.80	
44)	2,4,5-Trichlor...	0.426	0.425	0.398	0.401	0.381	0.369	0.359	0.394	6.58	
45) S	2-Fluorobiphenyl	1.512	1.396	1.280	1.162	1.088	1.060	0.973	1.210	16.05	
46)	1,1'-Biphenyl	1.640	1.536	1.483	1.379	1.285	1.262	1.161	1.392	12.18	
47)	2-Chloronaphth...	1.288	1.225	1.164	1.111	1.048	1.040	0.973	1.121	9.95	
48)	2-Nitroaniline	0.299	0.318	0.353	0.365	0.354	0.362	0.349	0.343	7.20	
49)	Acenaphthylene	1.854	1.756	1.717	1.615	1.507	1.505	1.394	1.621	10.06	
50)	Dimethylphthalate	1.410	1.344	1.283	1.237	1.172	1.163	1.110	1.246	8.60	
51)	2,6-Dinitrotol...	0.256	0.266	0.278	0.280	0.273	0.274	0.260	0.270	3.41	
52) C	Acenaphthene	1.200	1.136	1.089	1.044	0.977	0.983	0.913	1.049	9.55	
53)	3-Nitroaniline	0.270	0.275	0.296	0.292	0.276	0.282	0.256	0.278	4.84	
54) P	2,4-Dinitrophenol		0.056	0.077	0.101	0.101	0.113	0.112	0.093	23.89	
55)	Dibenzofuran	1.767	1.659	1.579	1.486	1.389	1.375	1.278	1.505	11.52	
56) P	4-Nitrophenol	0.187	0.207	0.225	0.232	0.219	0.220	0.208	0.214	6.84	
57)	2,4-Dinitrotol...	0.280	0.314	0.337	0.356	0.344	0.351	0.338	0.332	7.94	
58)	Fluorene	1.409	1.309	1.201	1.110	1.029	1.021	0.944	1.146	14.68	
59)	2,3,4,6-Tetrac...	0.334	0.322	0.326	0.310	0.296	0.293	0.281	0.309	6.33	
60)	Diethylphthalate	1.366	1.308	1.267	1.214	1.165	1.161	1.080	1.223	7.99	
61)	4-Chlorophenyl...	0.698	0.638	0.617	0.569	0.526	0.520	0.484	0.579	13.14	
62)	4-Nitroaniline	0.249	0.259	0.270	0.275	0.263	0.269	0.254	0.263	3.65	
63)	Azobenzene	1.459	1.385	1.355	1.306	1.216	1.212	1.143	1.297	8.62	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...		0.055	0.072	0.087	0.090	0.092	0.093	0.082	18.60	
66) c	n-Nitrosodiphe...	0.672	0.641	0.621	0.595	0.568	0.561	0.533	0.599	8.14	
67)	4-Bromophenyl-...	0.230	0.217	0.211	0.202	0.197	0.196	0.189	0.206	6.98	
68)	Hexachlorobenzene	0.258	0.245	0.237	0.231	0.217	0.221	0.212	0.232	7.20	
69)	Atrazine	0.189	0.175	0.156	0.175	0.135	0.153	0.151	0.162	11.36	
70) C	Pentachlorophenol	0.118	0.137	0.148	0.152	0.145	0.144	0.140	0.141	8.04	
71)	Phenanthrene	1.121	1.035	0.994	0.933	0.863	0.860	0.807	0.945	11.79	
72)	Anthracene	1.082	1.014	0.972	0.913	0.851	0.833	0.787	0.922	11.53	
73)	Carbazole	1.002	0.964	0.923	0.846	0.776	0.772	0.717	0.857	12.64	
74)	Di-n-butylphth...	1.104	1.071	1.062	1.014	0.923	0.909	0.850	0.990	9.77	
75) C	Fluoranthene	1.149	1.108	1.036	0.943	0.842	0.835	0.772	0.955	15.34	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.457	0.461	0.293	0.366	0.276	0.203	0.246	0.329	30.86	
78)	Pyrene	1.892	1.828	1.900	1.805	1.685	1.649	1.496	1.751	8.43	
79) S	Terphenyl-d14	1.381	1.335	1.340	1.244	1.154	1.121	1.018	1.227	10.96	
80)	Butylbenzylphth...	0.490	0.513	0.536	0.555	0.535	0.531	0.514	0.525	3.99	
81)	Benzo(a)anthra...	1.425	1.355	1.329	1.331	1.267	1.237	1.169	1.302	6.48	
82)	3,3'-Dichlorob...	0.368	0.372	0.390	0.387	0.374	0.382	0.384	0.380	2.15	
83)	Chrysene	1.325	1.244	1.234	1.167	1.134	1.151	1.101	1.194	6.52	
84)	Bis(2-ethylhex...	0.520	0.539	0.577	0.626	0.620	0.626	0.614	0.589	7.48	
85) c	Di-n-octyl pht...		0.786	0.930	1.135	1.182	1.207	1.186	1.071	16.14	

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF101824.M

86) I	Perylene-d12	-----ISTD-----								
87)	Indeno(1,2,3-c...	1.209	1.261	1.307	1.352	1.299	1.326	1.253	1.287	3.77
88)	Benzo(b)fluora...	1.317	1.240	1.319	1.196	1.105	1.239	1.111	1.218	7.15
89)	Benzo(k)fluora...	1.213	1.177	0.992	1.066	1.030	0.929	0.947	1.051	10.42
90) C	Benzo(a)pyrene	1.030	1.024	1.018	1.025	0.974	0.999	0.947	1.002	3.12
91)	Dibenzo(a,h)an...	1.021	1.064	1.103	1.120	1.083	1.085	1.036	1.073	3.31
92)	Benzo(g,h,i)pe...	1.030	1.046	1.090	1.128	1.081	1.095	1.035	1.072	3.37

(#) = Out of Range

2,4-Dinitrophenol



Response = $1.220 \times 10^{-1} \times \text{Amt} - 3.983 \times 10^{-2}$
Coef of Det (r^2) = 0.997175 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF101824.M
Calibration Table Last Updated: Fri Oct 18 15:07:50 2024

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101824\
Data File : BF139844.D
Acq On : 18 Oct 2024 10:27
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Oct 18 14:15:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 14:11:20 2024
Response via : Initial Calibration

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

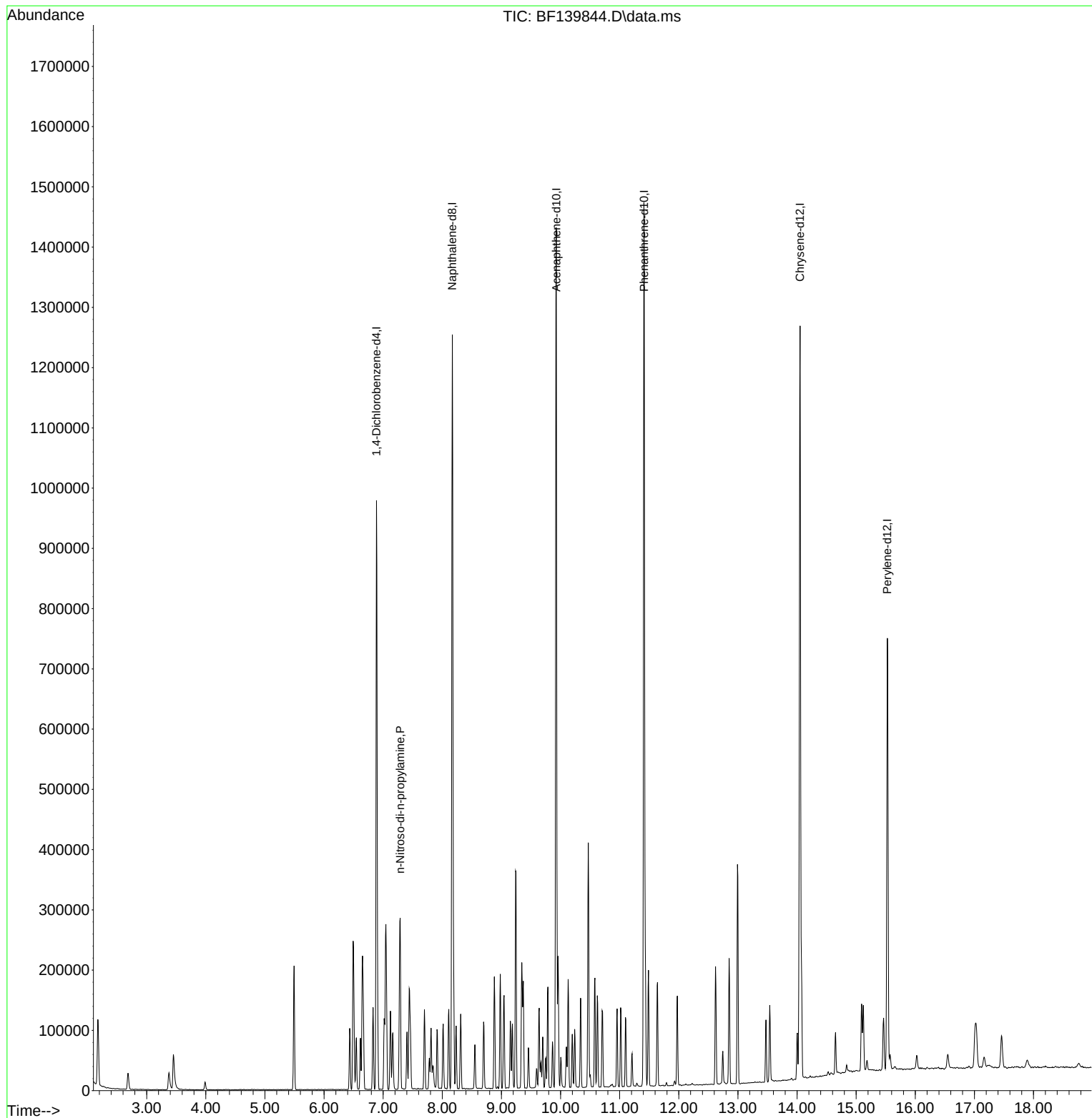
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	190003	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	748539	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	423999	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	760140	20.000	ng	0.00
76) Chrysene-d12	14.051	240	519381	20.000	ng	0.00
86) Perylene-d12	15.527	264	410408	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.000	ng	
7) Phenol-d6	0.000	99	0d	0.000	ng	
23) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
42) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
45) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
79) Terphenyl-d14	0.000	244	0d	0.000	ng	
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.287	70	26252	2.754	ng	94

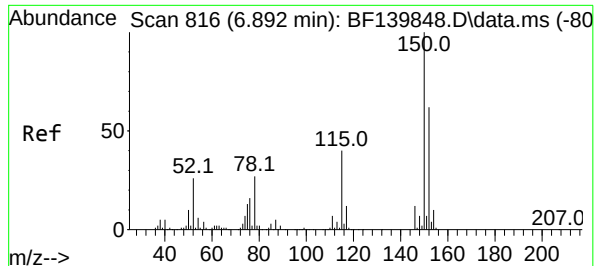
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101824\
Data File : BF139844.D
Acq On : 18 Oct 2024 10:27
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Oct 18 14:15:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 14:11:20 2024
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.887 min Scan# 81

Delta R.T. -0.005 min

Lab File: BF139844.D

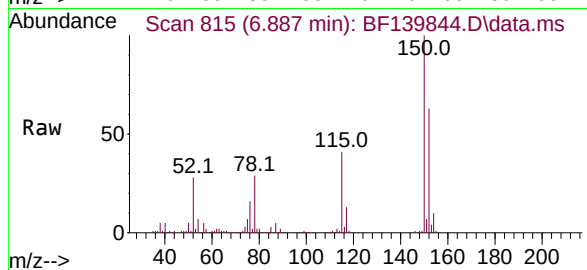
Acq: 18 Oct 2024 10:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5



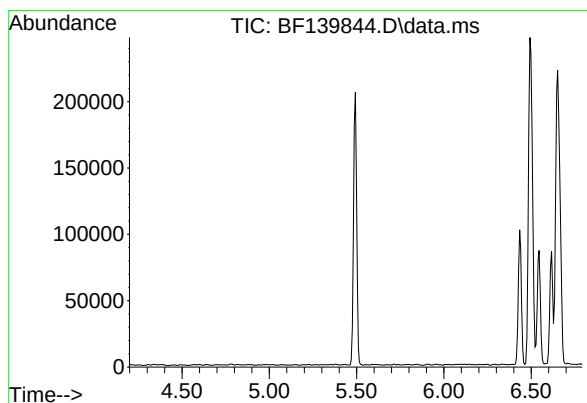
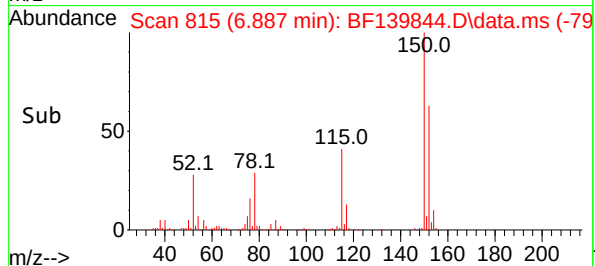
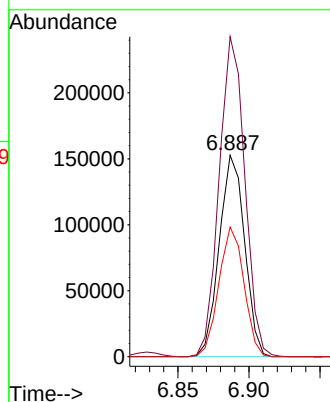
Tgt Ion:152 Resp: 190003

Ion Ratio Lower Upper

152 100

150 158.9 130.2 195.2

115 64.4 51.4 77.2



#5

2-Fluorophenol

Concen: 0.000 ng

Expected RT: 5.50 min

Lab File: BF139844.D

Acq: 18 Oct 2024 10:27

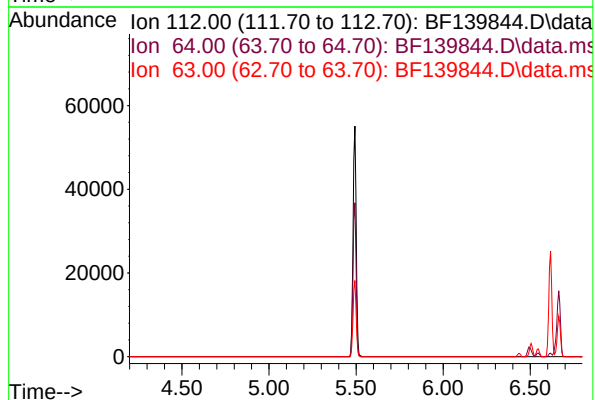
Tgt Ion: 112

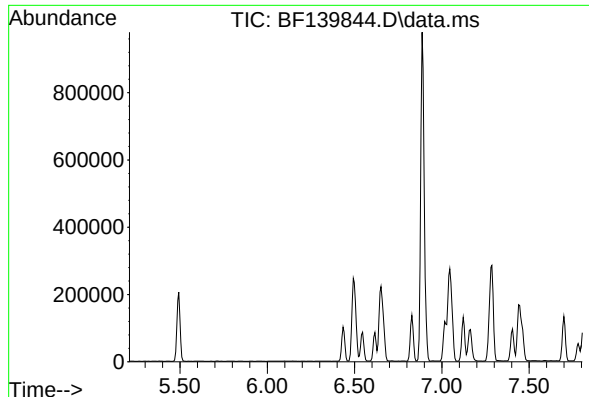
Sig Exp Ratio

112 100

64 66.3

63 33.7





#7

Phenol-d6

Concen: 0.000 ng

Expected RT: 6.51 min

Lab File: BF139844.D

Acq: 18 Oct 2024 10:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5

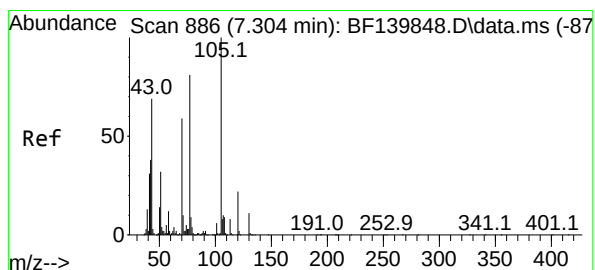
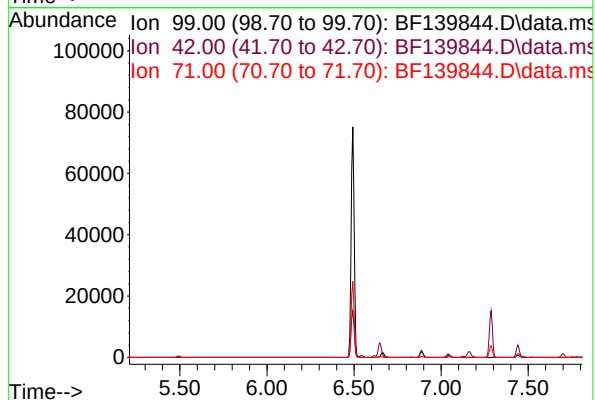
Tgt Ion: 99

Sig Exp Ratio

99 100

42 20.9

71 34.6



#19

n-Nitroso-di-n-propylamine

Concen: 2.754 ng

RT: 7.287 min Scan# 883

Delta R.T. -0.017 min

Lab File: BF139844.D

Acq: 18 Oct 2024 10:27

Tgt Ion: 70 Resp: 26252

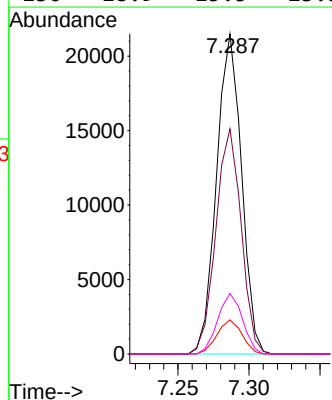
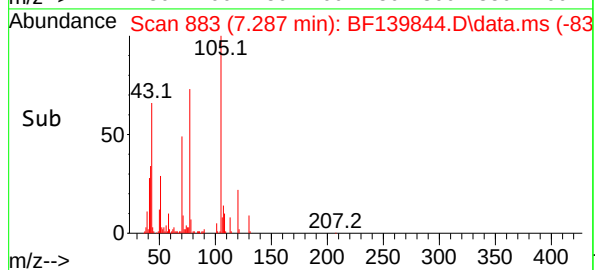
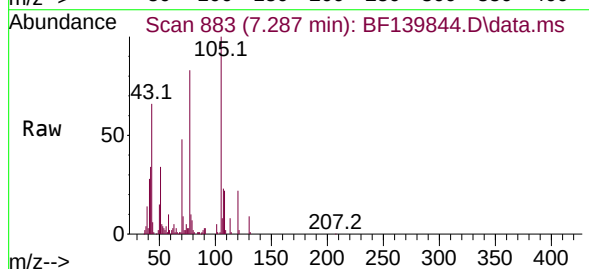
Ion Ratio Lower Upper

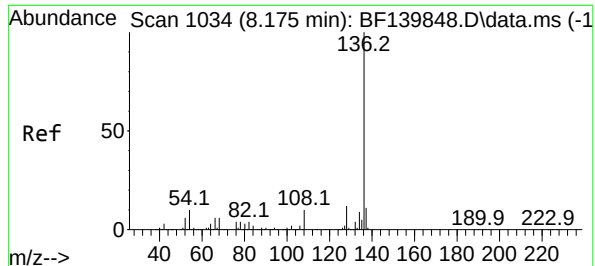
70 100

42 70.4 51.5 77.3

101 10.6 7.5 11.3

130 18.9 15.5 23.3





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.169 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139844.D

Acq: 18 Oct 2024 10:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5

Tgt Ion:136 Resp: 748539

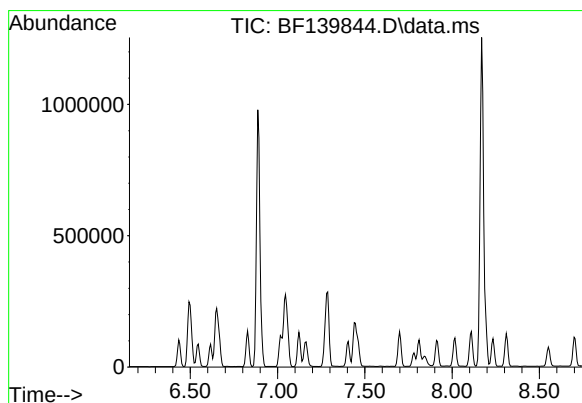
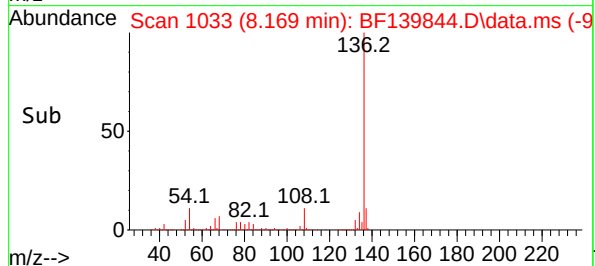
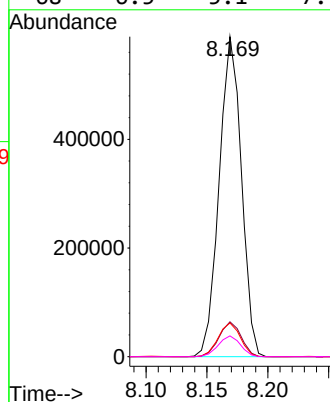
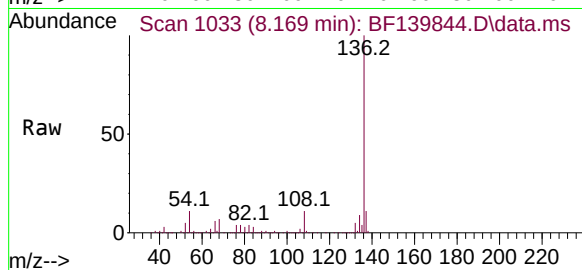
Ion Ratio Lower Upper

136 100

137 10.9 8.6 12.8

54 10.6 8.4 12.6

68 6.5 5.1 7.7



#23

Nitrobenzene-d5

Concen: 0.000 ng

Expected RT: 7.45 min

Lab File: BF139844.D

Acq: 18 Oct 2024 10:27

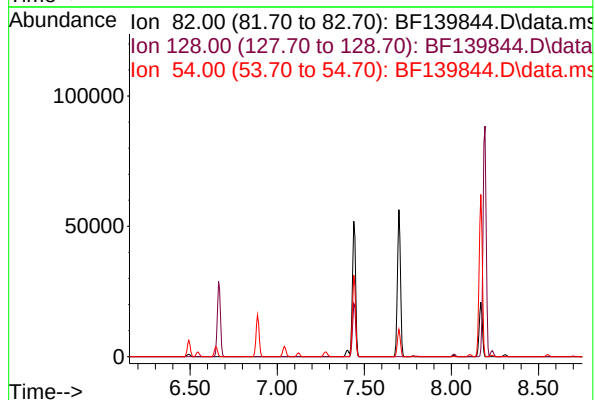
Tgt Ion: 82

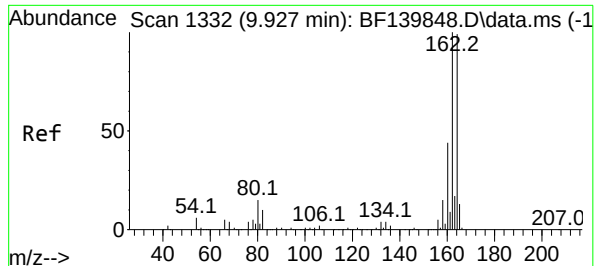
Sig Exp Ratio

82 100

128 41.7

54 59.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 1

Delta R.T. 0.001 min

Lab File: BF139844.D

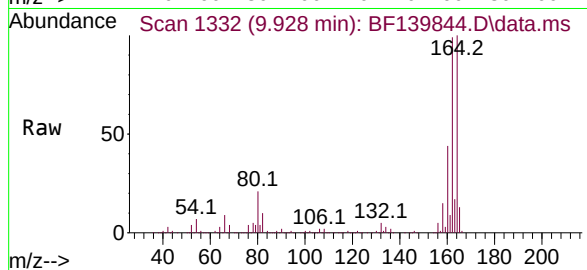
Acq: 18 Oct 2024 10:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5



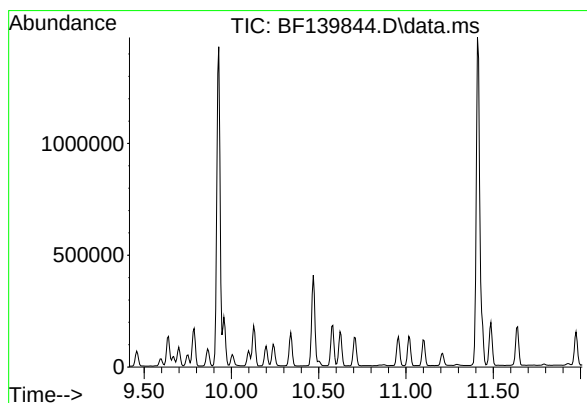
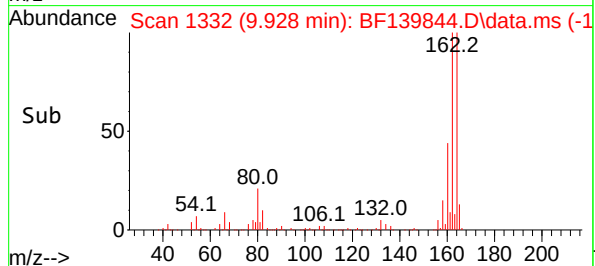
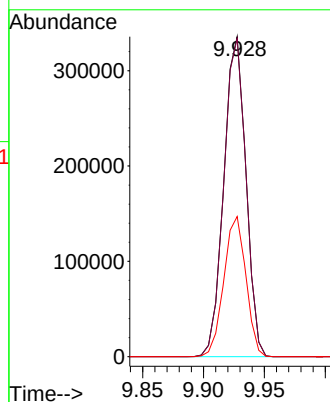
Tgt Ion:164 Resp: 423999

Ion	Ratio	Lower	Upper

164	100		

162	99.5	81.0	121.4

160	43.8	35.4	53.0



#42

2,4,6-Tribromophenol

Concen: 0.000 ng

Expected RT: 10.72 min

Lab File: BF139844.D

Acq: 18 Oct 2024 10:27

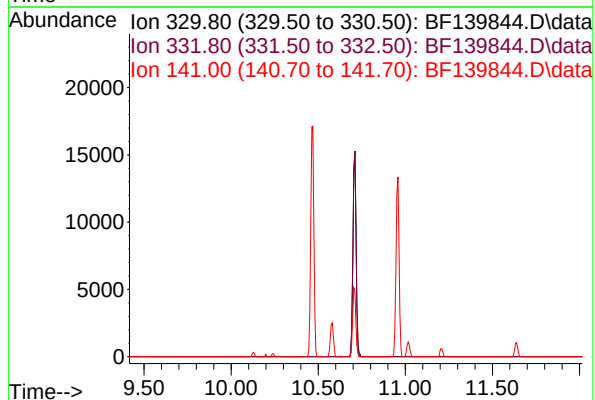
Tgt Ion: 330

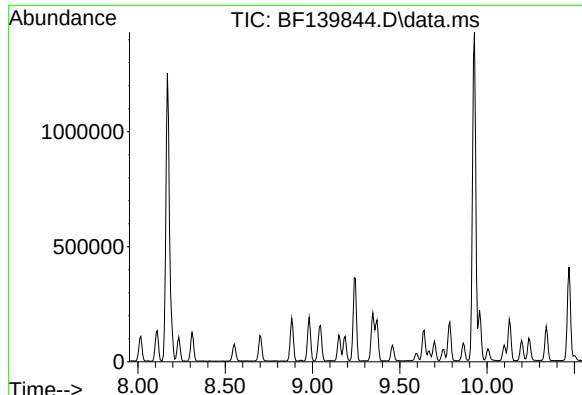
Sig	Exp Ratio

330	100

332	97.6

141	33.2





#45

2-Fluorobiphenyl

Concen: 0.000 ng

Expected RT: 9.25 min

Lab File: BF139844.D

Acq: 18 Oct 2024 10:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5

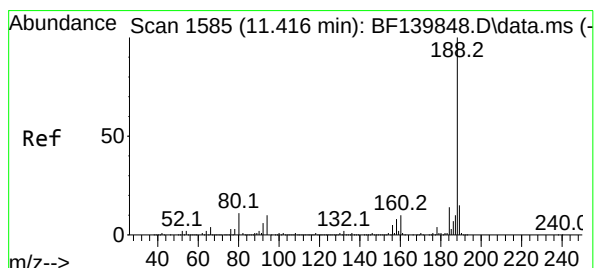
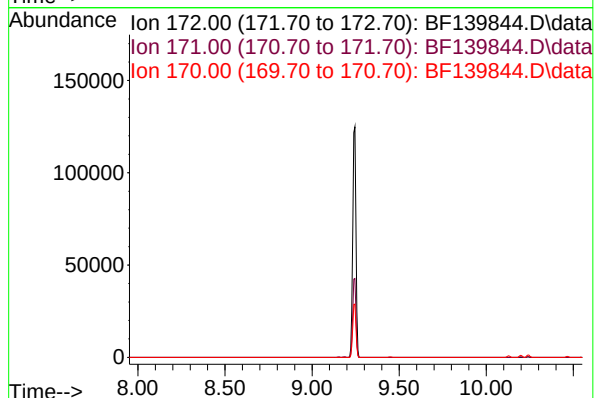
Tgt Ion: 172

Sig Exp Ratio

172 100

171 35.8

170 23.9



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1584

Delta R.T. -0.006 min

Lab File: BF139844.D

Acq: 18 Oct 2024 10:27

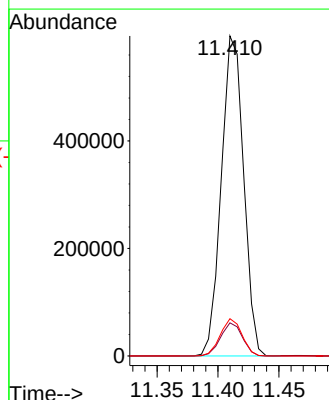
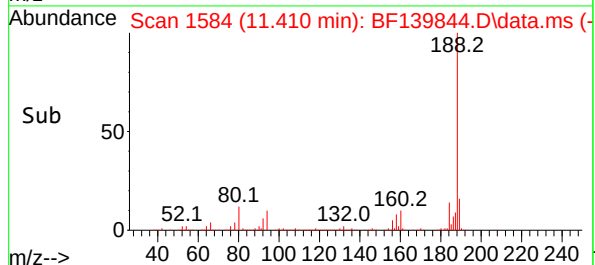
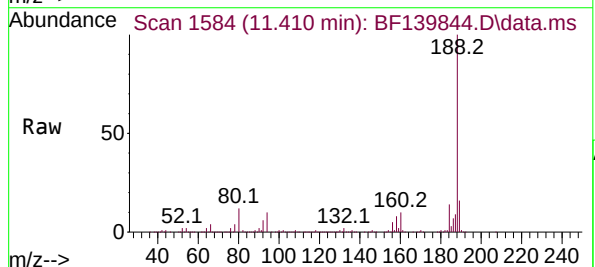
Tgt Ion:188 Resp: 760140

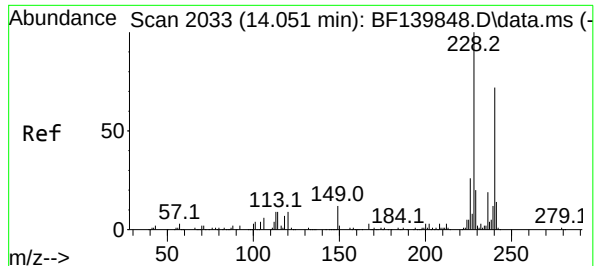
Ion Ratio Lower Upper

188 100

94 10.4 7.9 11.9

80 11.6 9.0 13.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF139844.D

Acq: 18 Oct 2024 10:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5

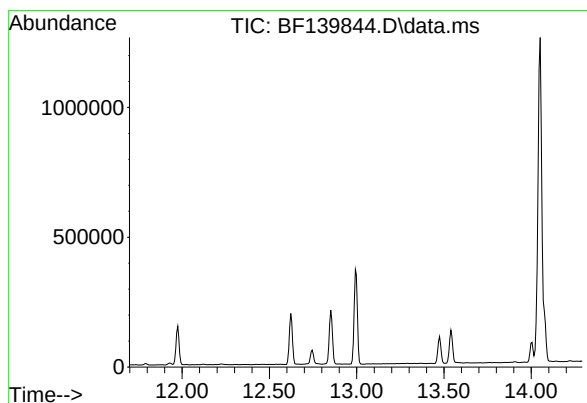
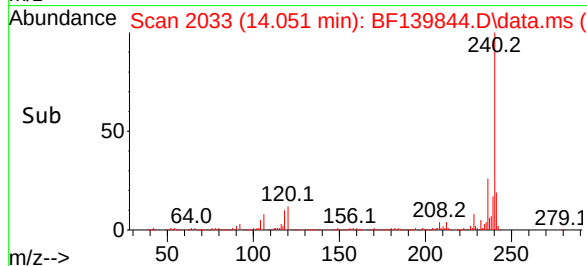
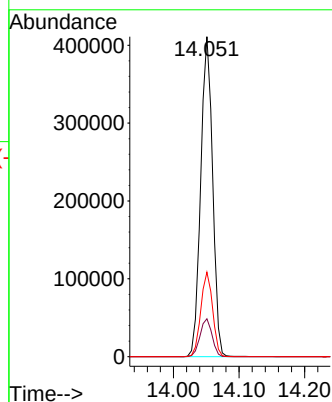
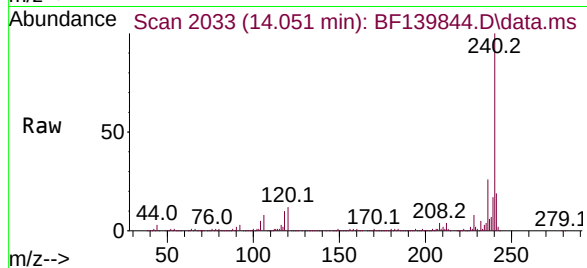
Tgt Ion:240 Resp: 519381

Ion Ratio Lower Upper

240 100

120 11.9 9.4 14.2

236 26.4 20.9 31.3



#79

Terphenyl-d14

Concen: 0.000 ng

Expected RT: 13.00 min

Lab File: BF139844.D

Acq: 18 Oct 2024 10:27

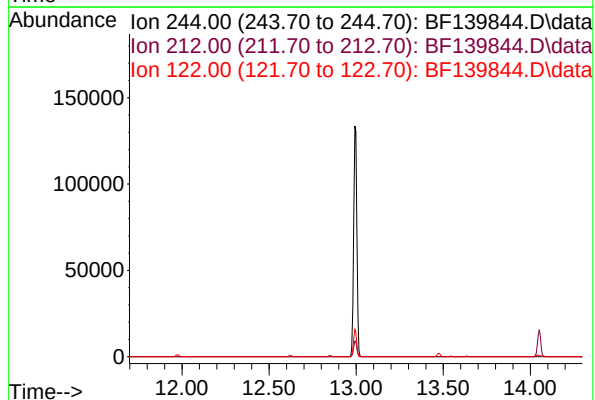
Tgt Ion: 244

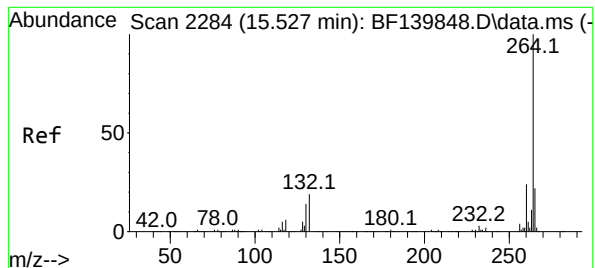
Sig Exp Ratio

244 100

212 7.1

122 10.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF139844.D

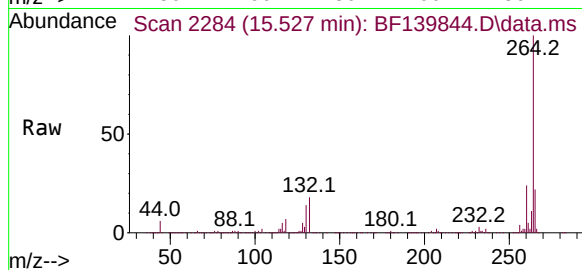
Acq: 18 Oct 2024 10:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5



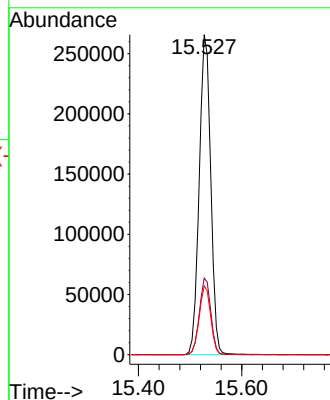
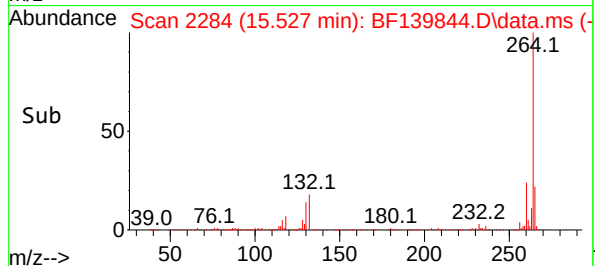
Tgt Ion:264 Resp: 410408

Ion Ratio Lower Upper

264 100

260 23.9 19.4 29.2

265 21.5 17.4 26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101824\
 Data File : BF139845.D
 Acq On : 18 Oct 2024 10:55
 Operator : RC/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC005

Quant Time: Oct 18 14:16:29 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 14:11:20 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	189112	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	737062	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	414324	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	741430	20.000	ng	0.00
76) Chrysene-d12	14.051	240	477223	20.000	ng	0.00
86) Perylene-d12	15.527	264	377685	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	138495	11.465	ng	0.00
7) Phenol-d6	6.493	99	179648	11.482	ng	-0.02
23) Nitrobenzene-d5	7.445	82	134439	10.109	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	41682	10.755	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	313171	12.492	ng	0.00
79) Terphenyl-d14	12.992	244	329424	11.248	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.687	88	30759	5.461	ng	97
3) Pyridine	3.452	79	76703	5.494	ng	98
4) n-Nitrosodimethylamine	3.375	42	38552	5.140	ng	# 96
6) Aniline	6.545	93	79083	5.424	ng	98
8) 2-Chlorophenol	6.669	128	71065	5.754	ng	98
10) Phenol	6.510	94	92287	5.620	ng	95
11) bis(2-Chloroethyl)ether	6.616	93	69504	5.575	ng	98
12) 1,3-Dichlorobenzene	6.828	146	81239	5.731	ng	99
13) 1,4-Dichlorobenzene	6.904	146	81442	5.750	ng	99
14) 1,2-Dichlorobenzene	7.057	146	78458	5.936	ng	97
15) Benzyl Alcohol	7.016	79	64060	5.582	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.163	45	119350	5.614	ng	100
17) 2-Methylphenol	7.122	107	59770	5.676	ng	96
18) Hexachloroethane	7.404	117	27566	5.458	ng	96
19) n-Nitroso-di-n-propyla...	7.287	70	53958	5.686	ng	97
20) 3+4-Methylphenols	7.275	107	79329	5.890	ng	92
22) Acetophenone	7.287	105	106522	5.900	ng	98
24) Nitrobenzene	7.463	77	76831	5.269	ng	96
25) Isophorone	7.698	82	139084	5.510	ng	100
26) 2-Nitrophenol	7.781	139	22867	4.157	ng	95
27) 2,4-Dimethylphenol	7.810	122	52430	5.716	ng	97
28) bis(2-Chloroethoxy)met...	7.916	93	86298	5.643	ng	99
29) 2,4-Dichlorophenol	8.016	162	56772	5.434	ng	99
30) 1,2,4-Trichlorobenzene	8.110	180	64640	5.592	ng	99
31) Naphthalene	8.192	128	222725	5.859	ng	99
33) 4-Chloroaniline	8.234	127	73196	5.647	ng	99
34) Hexachlorobutadiene	8.310	225	41186	5.670	ng	97
35) Caprolactam	8.557	113	16989	5.114	ng	98
36) 4-Chloro-3-methylphenol	8.704	107	62903	5.438	ng	99
37) 2-Methylnaphthalene	8.881	142	136292	5.854	ng	99
38) 1-Methylnaphthalene	8.981	142	133747	5.856	ng	100
40) 1,2,4,5-Tetrachloroben...	9.045	216	63046	5.640	ng	100
41) Hexachlorocyclopentadiene	9.039	237	19121	4.916	ng	97
43) 2,4,6-Trichlorophenol	9.151	196	41997	5.307	ng	98
44) 2,4,5-Trichlorophenol	9.187	196	44086	5.399	ng	99
46) 1,1'-Biphenyl	9.345	154	169920	5.891	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101824\
 Data File : BF139845.D
 Acq On : 18 Oct 2024 10:55
 Operator : RC/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC005

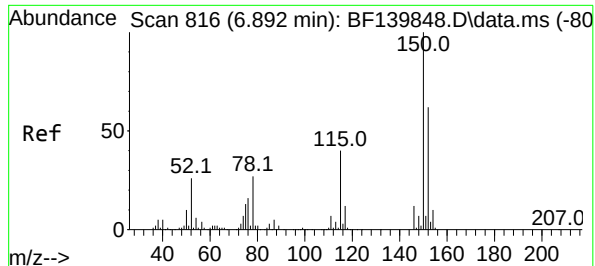
Quant Time: Oct 18 14:16:29 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 14:11:20 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) 2-Chloronaphthalene	9.369	162	133456	5.745	ng	99
48) 2-Nitroaniline	9.457	65	30999	4.363	ng	99
49) Acenaphthylene	9.786	152	192014	5.717	ng	99
50) Dimethylphthalate	9.639	163	146096	5.661	ng	100
51) 2,6-Dinitrotoluene	9.698	165	26490	4.741	ng	96
52) Acenaphthene	9.957	154	124288	5.721	ng	100
53) 3-Nitroaniline	9.863	138	27995	4.858	ng	# 94
55) Dibenzofuran	10.128	168	182985	5.870	ng	98
56) 4-Nitrophenol	10.004	139	19402	4.376	ng	89
57) 2,4-Dinitrotoluene	10.098	165	29038	4.226	ng	92
58) Fluorene	10.469	166	145913	6.146	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	34636	5.411	ng	97
60) Diethylphthalate	10.339	149	141466	5.583	ng	99
61) 4-Chlorophenyl-phenyle...	10.469	204	72331	6.033	ng	96
62) 4-Nitroaniline	10.469	138	25747	4.731	ng	96
63) Azobenzene	10.622	77	151158	5.627	ng	99
66) n-Nitrosodiphenylamine	10.581	169	124472	5.609	ng	100
67) 4-Bromophenyl-phenylether	10.957	248	42707	5.591	ng	94
68) Hexachlorobenzene	11.016	284	47895	5.575	ng	98
69) Atrazine	11.104	200	35075	5.835	ng	99
70) Pentachlorophenol	11.210	266	21781	4.178	ng	93
71) Phenanthrene	11.433	178	207716	5.931	ng	98
72) Anthracene	11.486	178	200621	5.871	ng	99
73) Carbazole	11.639	167	185743	5.845	ng	99
74) Di-n-butylphthalate	11.975	149	204647	5.574	ng	99
75) Fluoranthene	12.622	202	213038	6.017	ng	100
77) Benzidine	12.745	184	54501	7.022	ng	99
78) Pyrene	12.851	202	225742	5.404	ng	99
80) Butylbenzylphthalate	13.474	149	58502	4.671	ng	100
81) Benzo(a)anthracene	14.039	228	170026	5.473	ng	99
82) 3,3'-Dichlorobenzidine	14.004	252	43937	4.851	ng	100
83) Chrysene	14.074	228	158121	5.551	ng	98
84) Bis(2-ethylhexyl)phtha...	14.033	149	62085	4.419	ng	97
87) Indeno(1,2,3-cd)pyrene	17.010	276	114185	4.699	ng	98
88) Benzo(b)fluoranthene	15.092	252	124353	5.405	ng	100
89) Benzo(k)fluoranthene	15.121	252	114525	5.772	ng	99
90) Benzo(a)pyrene	15.463	252	97243	5.137	ng	100
91) Dibenzo(a,h)anthracene	17.033	278	96416	4.757	ng	99
92) Benzo(g,h,i)perylene	17.457	276	97292	4.805	ng	99

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

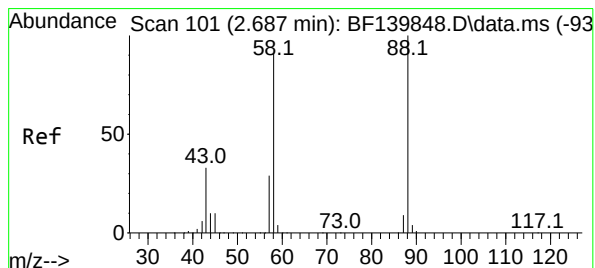
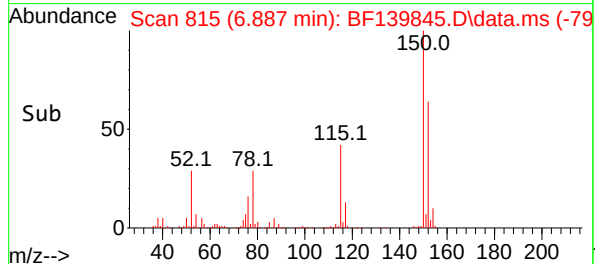
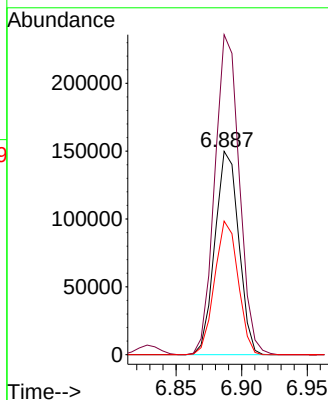
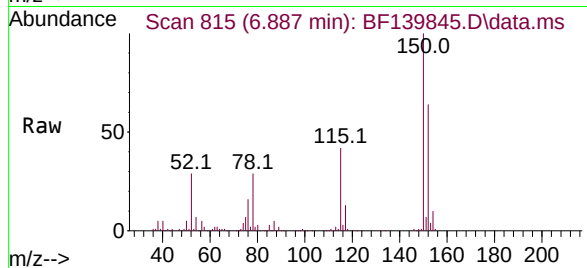
[illegible]



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.005 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

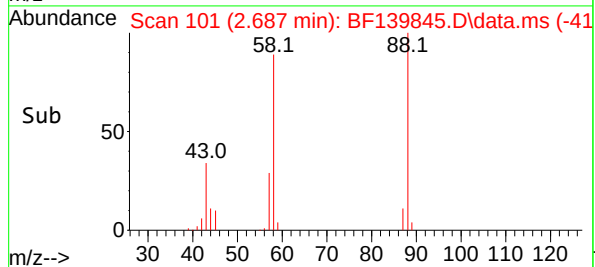
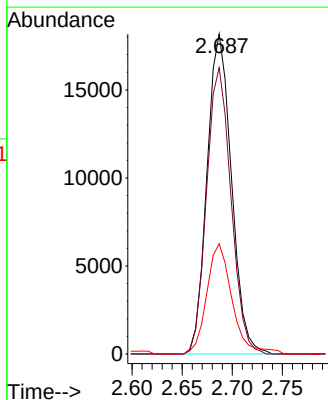
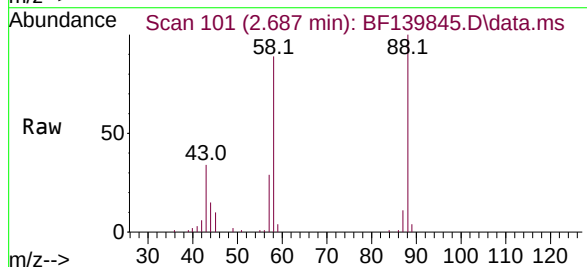
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

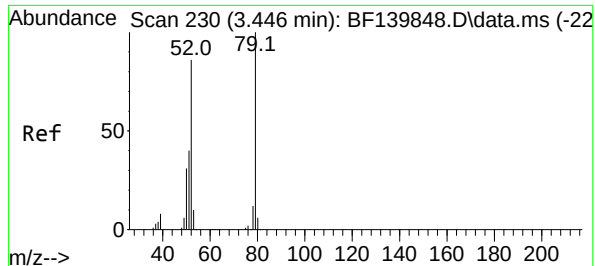
Tgt Ion:152 Resp: 189112
Ion Ratio Lower Upper
152 100
150 157.4 130.2 195.2
115 65.7 51.4 77.2



#2
1,4-Dioxane
Concen: 5.461 ng
RT: 2.687 min Scan# 101
Delta R.T. 0.000 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion: 88 Resp: 30759
Ion Ratio Lower Upper
88 100
58 89.3 73.3 109.9
43 35.6 27.1 40.7





#3

Pyridine

Concen: 5.494 ng

RT: 3.452 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

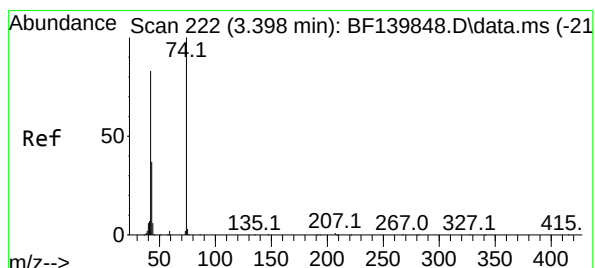
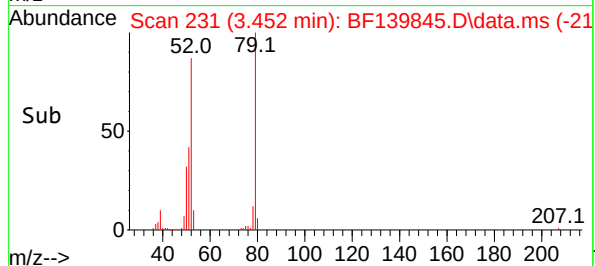
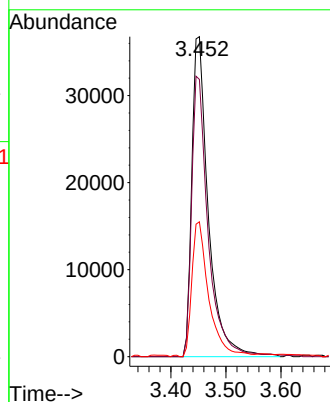
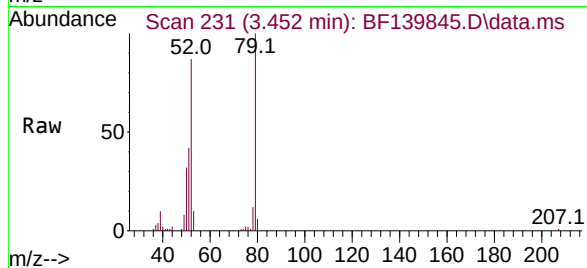
Tgt Ion: 79 Resp: 76703

Ion Ratio Lower Upper

79 100

52 86.7 68.5 102.7

51 42.2 32.3 48.5



#4

n-Nitrosodimethylamine

Concen: 5.140 ng

RT: 3.375 min Scan# 218

Delta R.T. -0.023 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

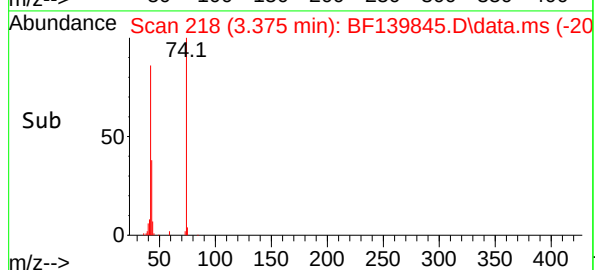
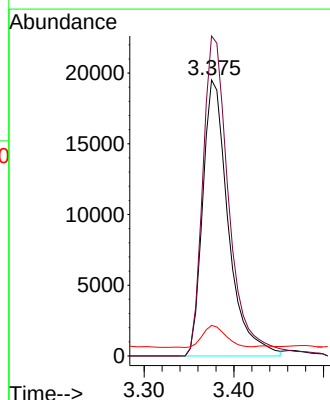
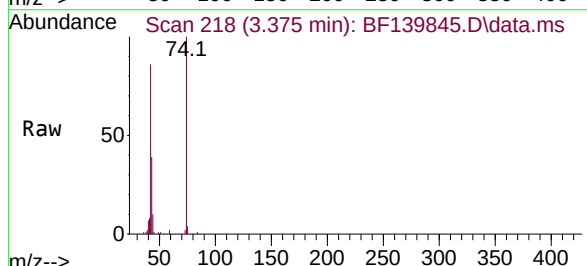
Tgt Ion: 42 Resp: 38552

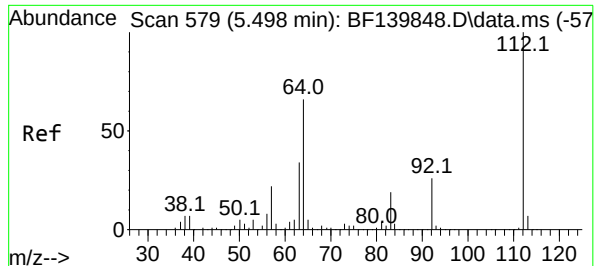
Ion Ratio Lower Upper

42 100

74 115.9 96.2 144.4

44 11.0 6.2 9.2#

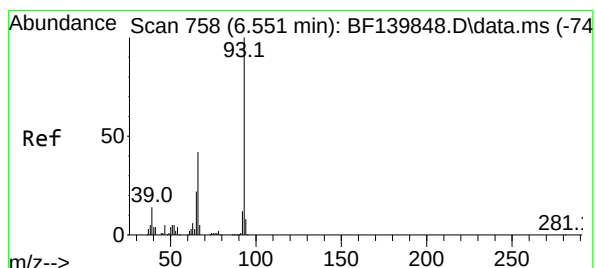
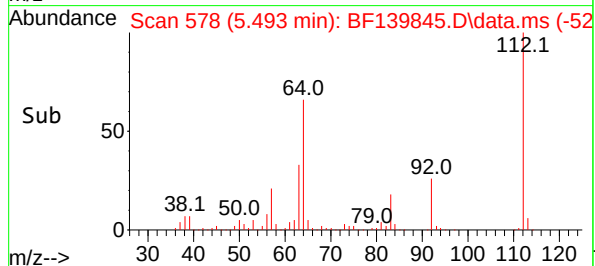
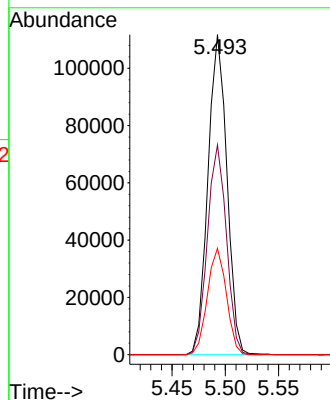
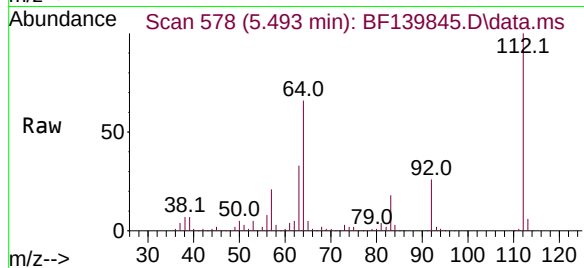




#5
2-Fluorophenol
Concen: 11.465 ng
RT: 5.493 min Scan# 51
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

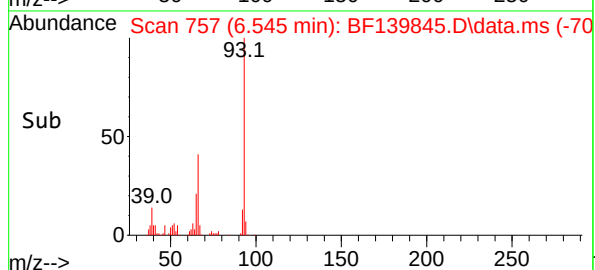
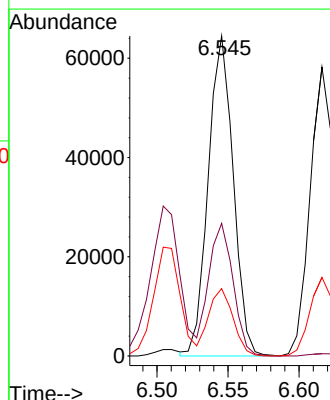
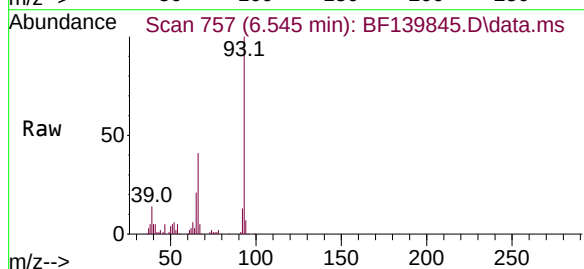
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

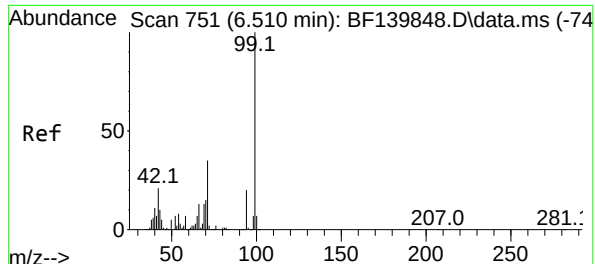
Tgt Ion:112 Resp: 138495
Ion Ratio Lower Upper
112 100
64 65.5 53.0 79.6
63 33.2 27.0 40.4



#6
Aniline
Concen: 5.424 ng
RT: 6.545 min Scan# 757
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion: 93 Resp: 79083
Ion Ratio Lower Upper
93 100
66 41.4 34.0 51.0
65 21.1 17.4 26.0

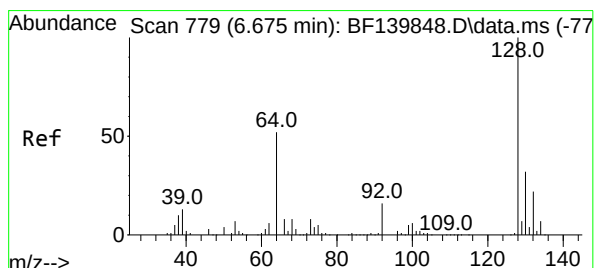
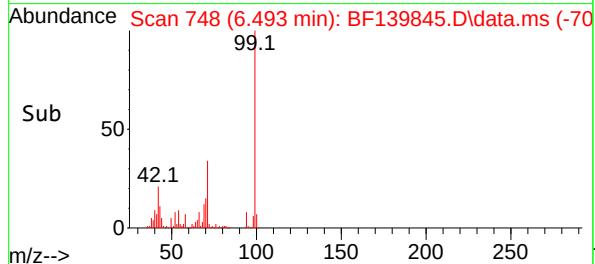
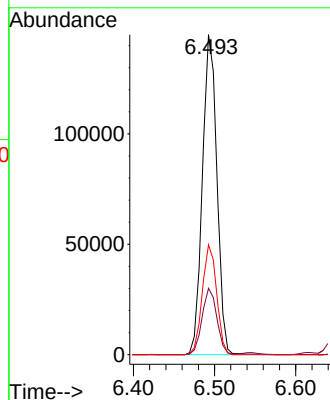
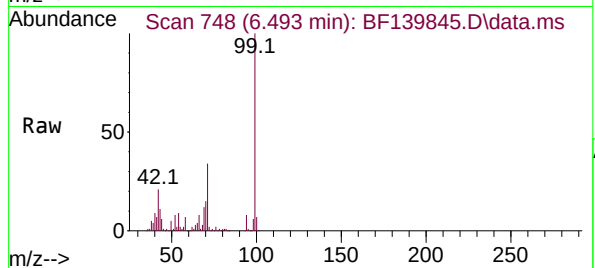




#7
Phenol-d6
Concen: 11.482 ng
RT: 6.493 min Scan# 748
Delta R.T. -0.017 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

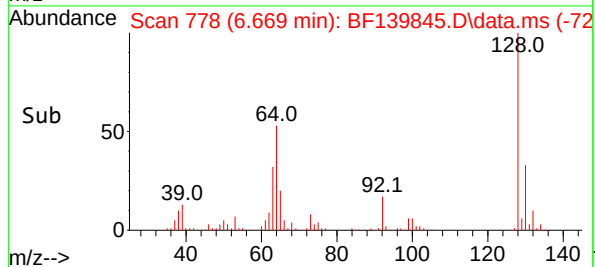
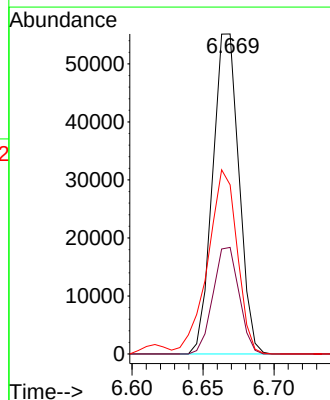
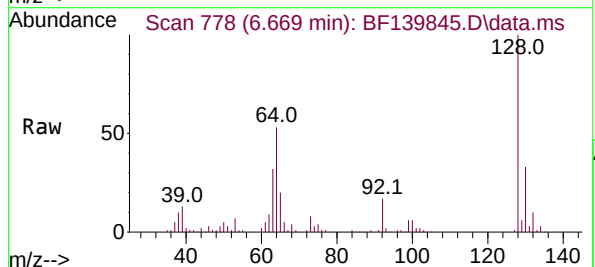
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

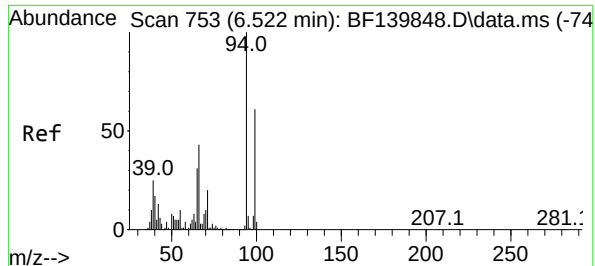
Tgt Ion: 99 Resp: 179648
Ion Ratio Lower Upper
99 100
42 20.7 16.7 25.1
71 34.3 27.7 41.5



#8
2-Chlorophenol
Concen: 5.754 ng
RT: 6.669 min Scan# 778
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion: 128 Resp: 71065
Ion Ratio Lower Upper
128 100
130 33.3 12.3 52.3
64 52.8 34.6 74.6

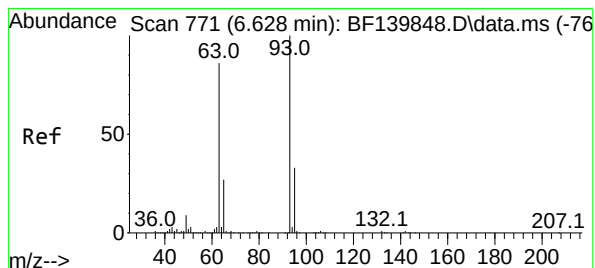
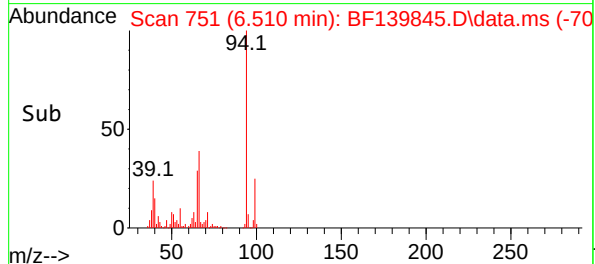
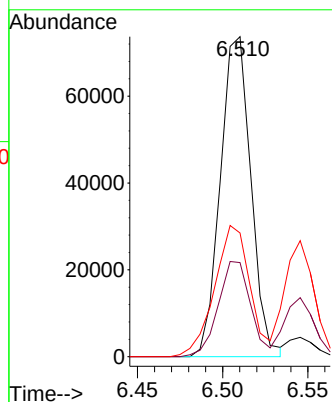
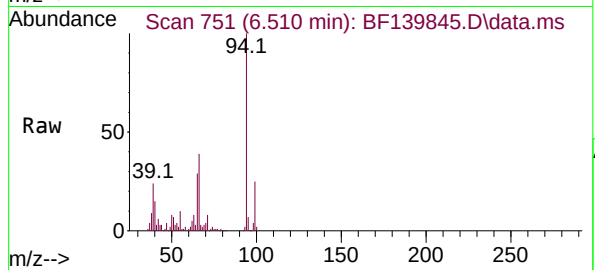




#10
Phenol
Concen: 5.620 ng
RT: 6.510 min Scan# 710
Delta R.T. -0.012 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

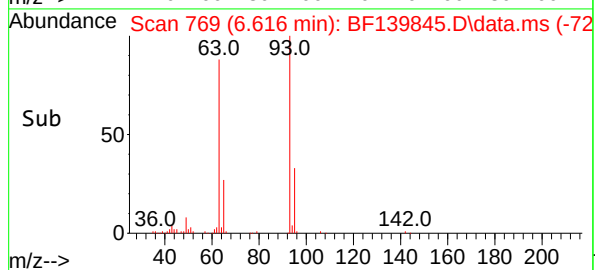
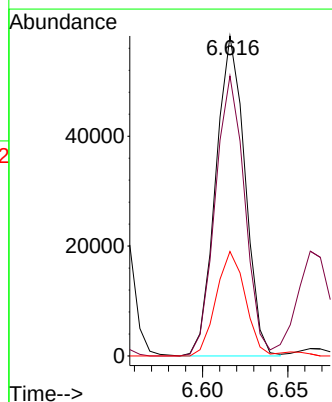
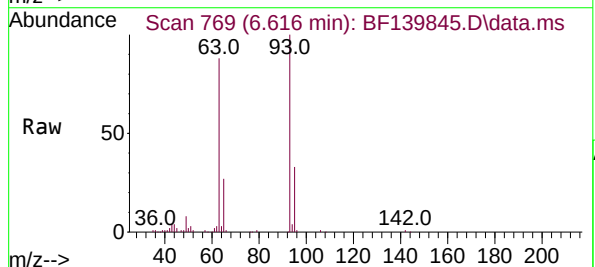
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

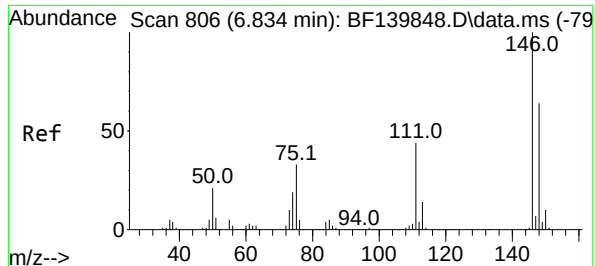
Tgt Ion: 94 Resp: 92287
Ion Ratio Lower Upper
94 100
65 29.4 11.1 51.1
66 38.6 22.7 62.7



#11
bis(2-Chloroethyl)ether
Concen: 5.575 ng
RT: 6.616 min Scan# 769
Delta R.T. -0.012 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion: 93 Resp: 69504
Ion Ratio Lower Upper
93 100
63 87.5 65.0 105.0
95 32.6 12.4 52.4





#12

1,3-Dichlorobenzene

Concen: 5.731 ng

RT: 6.828 min Scan# 806

Delta R.T. -0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

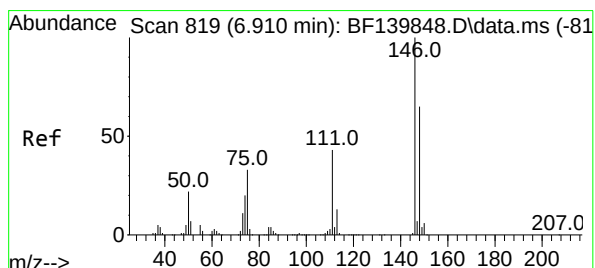
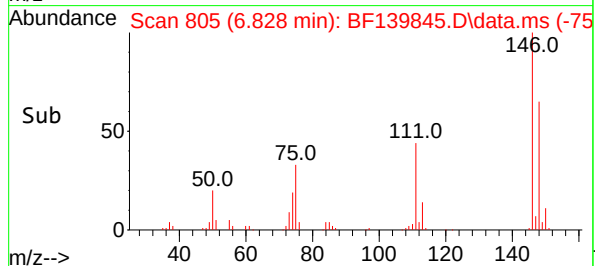
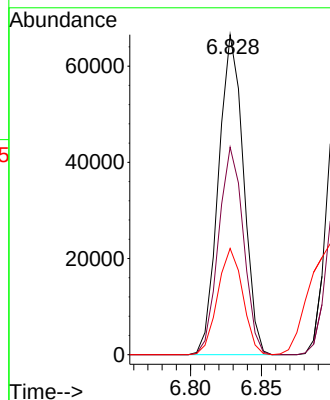
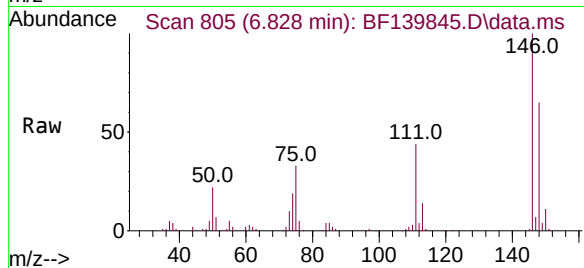
Tgt Ion:146 Resp: 81239

Ion Ratio Lower Upper

146 100

148 64.8 51.0 76.4

75 33.2 26.4 39.6



#13

1,4-Dichlorobenzene

Concen: 5.750 ng

RT: 6.904 min Scan# 818

Delta R.T. -0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

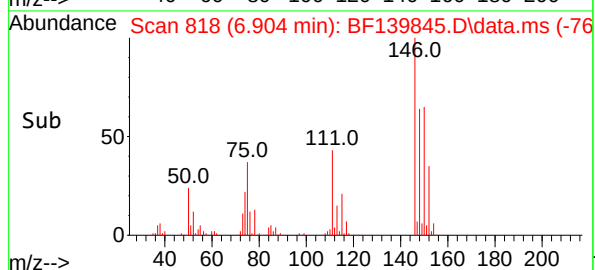
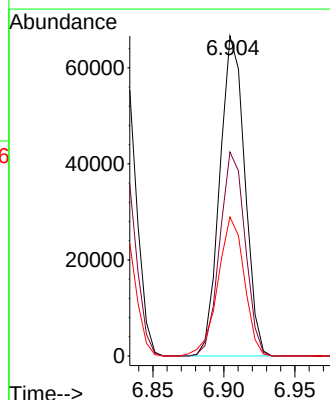
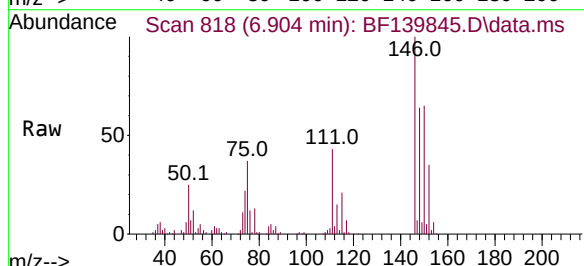
Tgt Ion:146 Resp: 81442

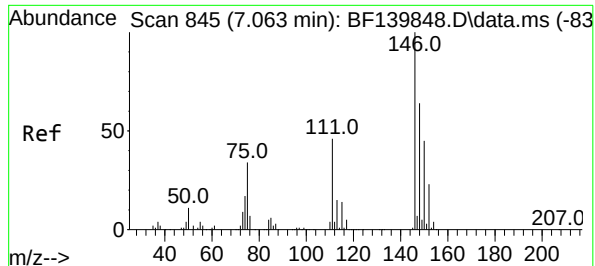
Ion Ratio Lower Upper

146 100

148 63.7 51.8 77.8

111 43.5 34.6 51.8





#14

1,2-Dichlorobenzene

Concen: 5.936 ng

RT: 7.057 min Scan# 84

Delta R.T. -0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

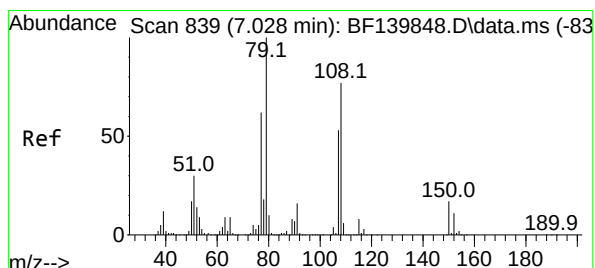
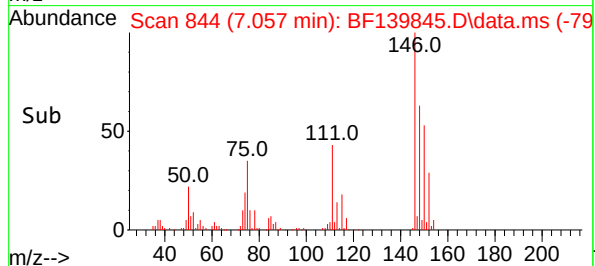
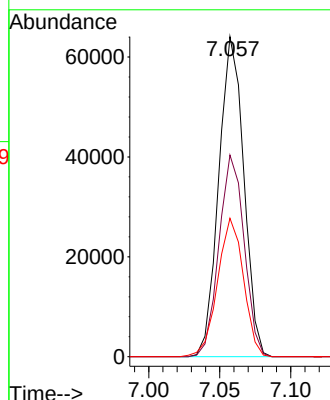
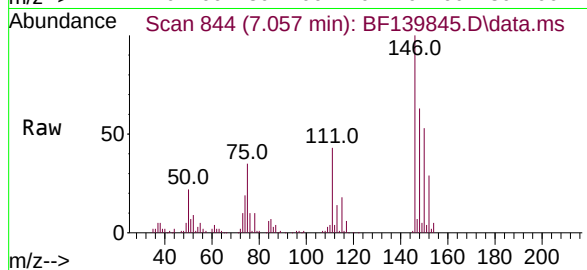
Tgt Ion:146 Resp: 78458

Ion Ratio Lower Upper

146 100

148 63.0 51.4 77.2

111 43.3 36.7 55.1



#15

Benzyl Alcohol

Concen: 5.582 ng

RT: 7.016 min Scan# 837

Delta R.T. -0.012 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

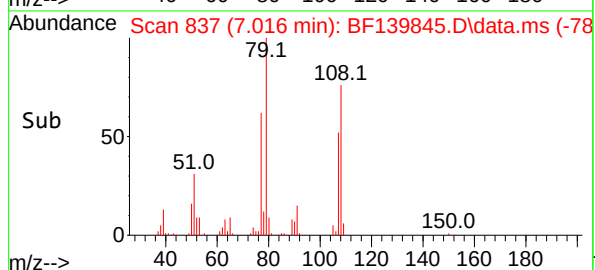
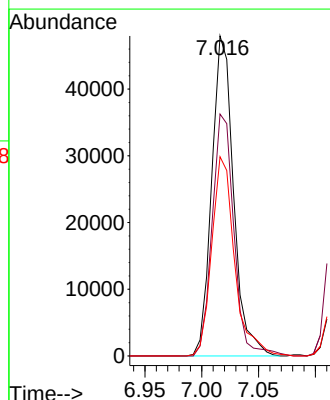
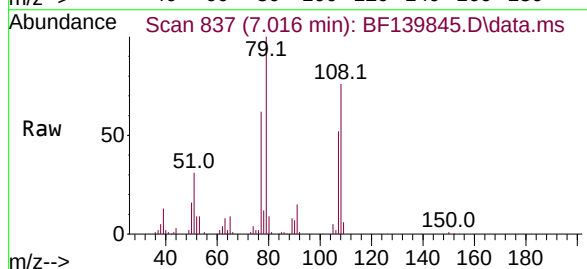
Tgt Ion: 79 Resp: 64060

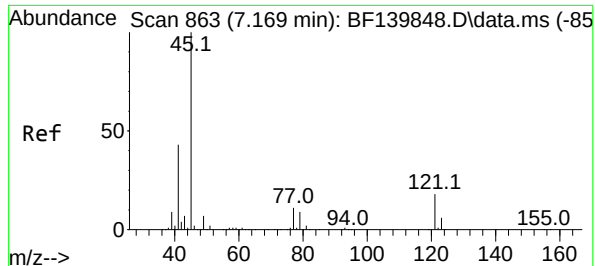
Ion Ratio Lower Upper

79 100

108 75.6 61.4 92.0

77 62.3 49.9 74.9

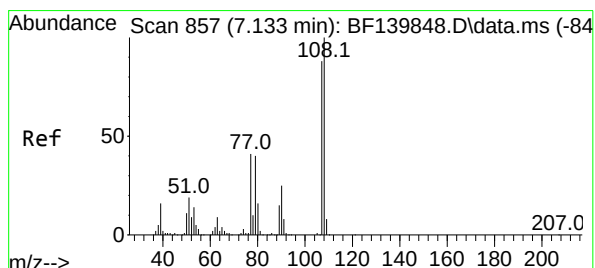
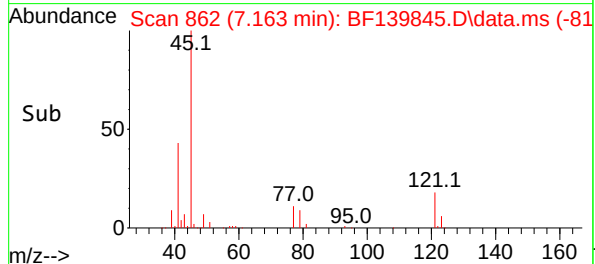
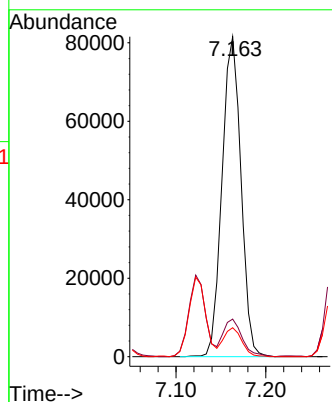
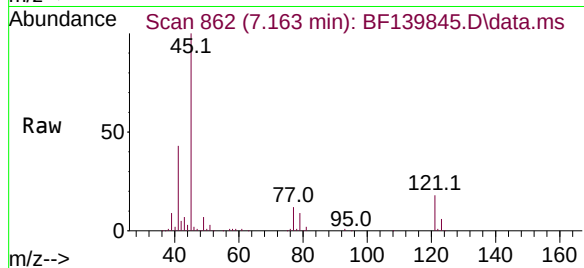




#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.614 ng
RT: 7.163 min Scan# 862
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

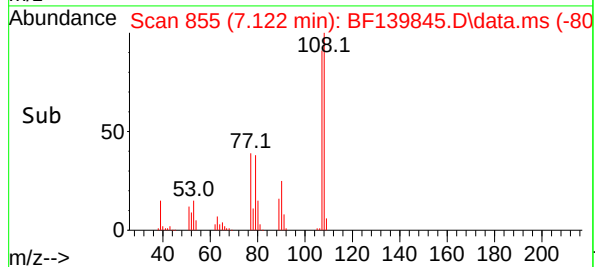
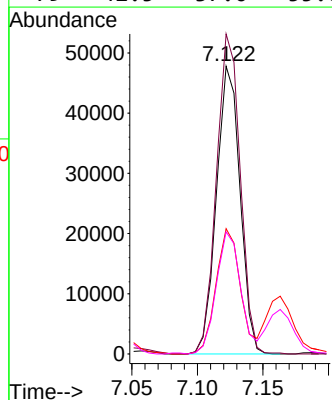
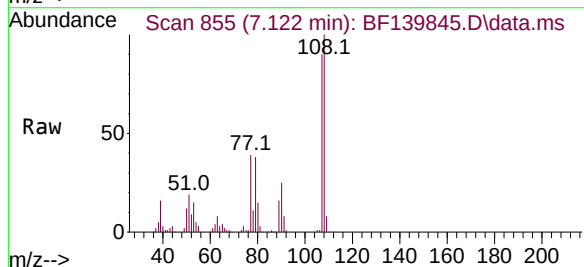
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

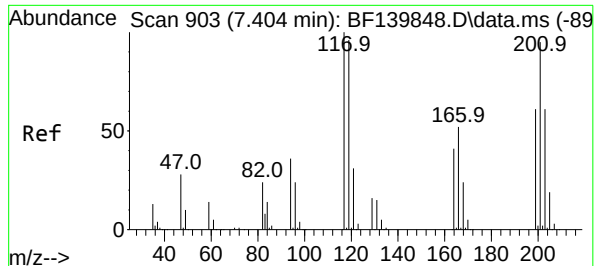
Tgt Ion: 45 Resp: 119350
Ion Ratio Lower Upper
45 100
77 11.8 0.0 31.5
79 9.1 0.0 29.1



#17
2-Methylphenol
Concen: 5.676 ng
RT: 7.122 min Scan# 855
Delta R.T. -0.012 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion: 107 Resp: 59770
Ion Ratio Lower Upper
107 100
108 111.2 91.3 136.9
77 43.6 37.1 55.7
79 42.5 37.0 55.6

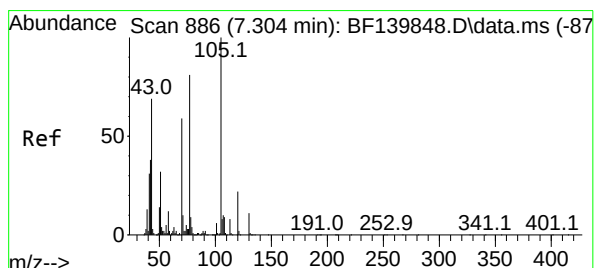
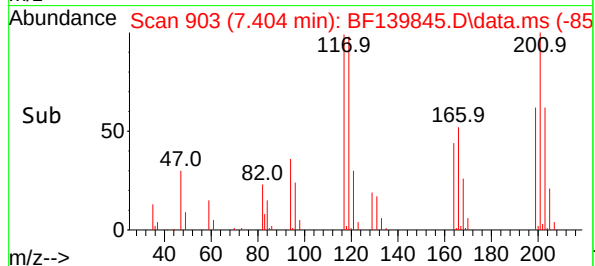
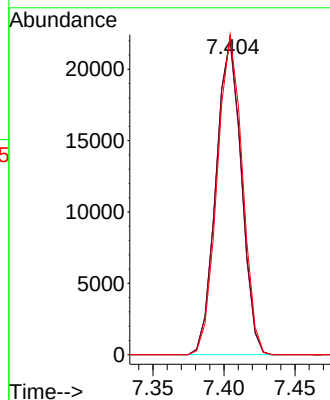
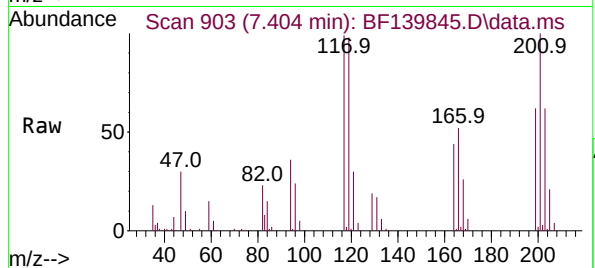




#18
Hexachloroethane
Concen: 5.458 ng
RT: 7.404 min Scan# 90
Delta R.T. 0.000 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

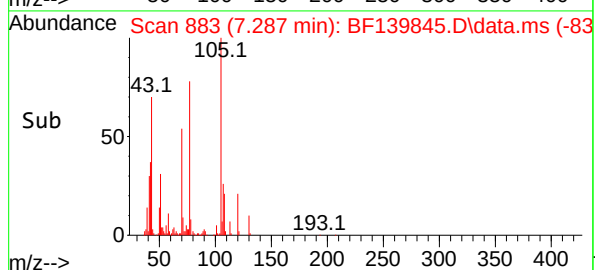
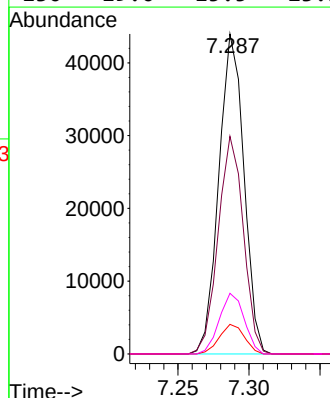
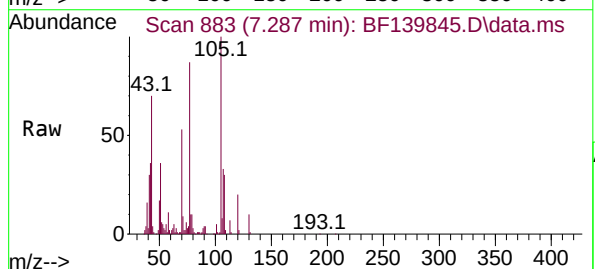
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

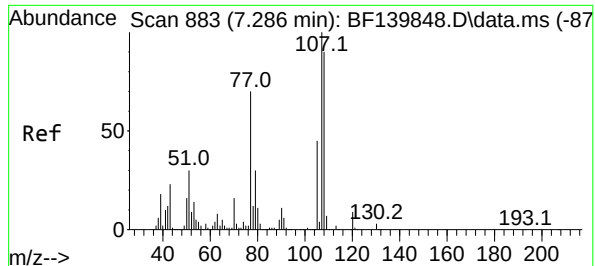
Tgt Ion:117 Resp: 27566
Ion Ratio Lower Upper
117 100
119 99.1 77.0 115.4
201 101.0 76.2 114.4



#19
n-Nitroso-di-n-propylamine
Concen: 5.686 ng
RT: 7.287 min Scan# 883
Delta R.T. -0.017 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion: 70 Resp: 53958
Ion Ratio Lower Upper
70 100
42 68.0 51.5 77.3
101 9.2 7.5 11.3
130 19.0 15.5 23.3





#20

3+4-Methylphenols

Concen: 5.890 ng

RT: 7.275 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:107 Resp: 79329

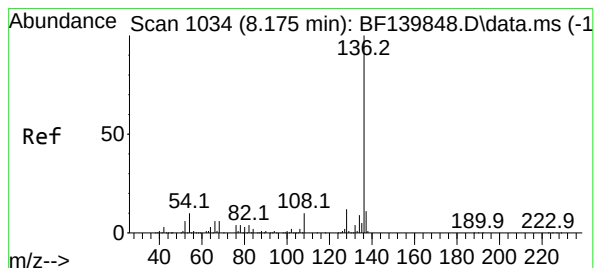
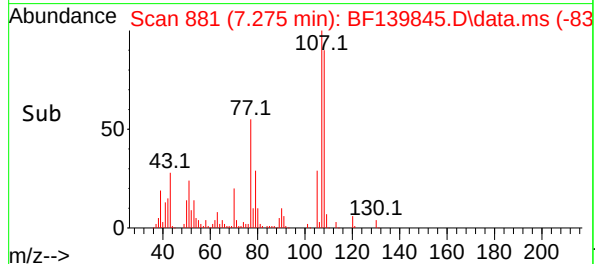
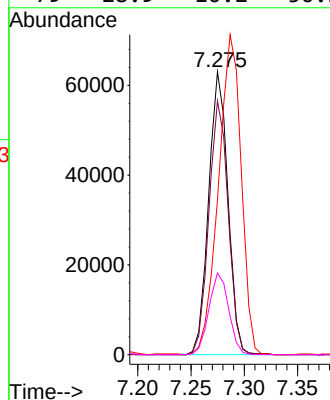
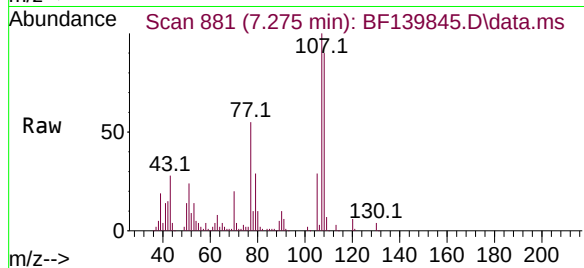
Ion Ratio Lower Upper

107 100

108 89.7 69.8 109.8

77 54.7 50.5 90.5

79 28.9 10.2 50.2



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.169 min Scan# 1033

Delta R.T. -0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

Tgt Ion:136 Resp: 737062

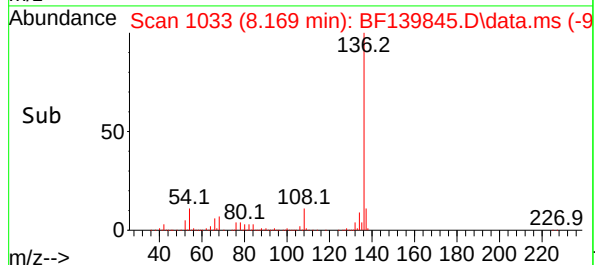
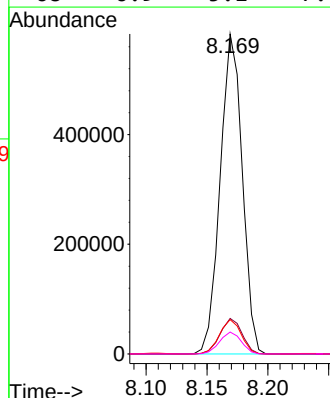
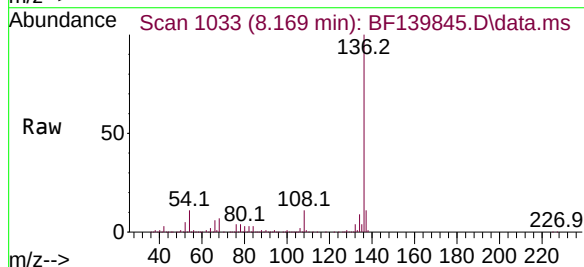
Ion Ratio Lower Upper

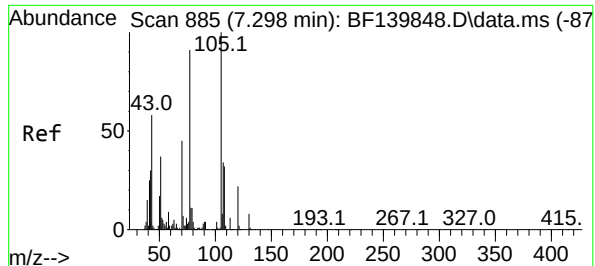
136 100

137 11.1 8.6 12.8

54 10.7 8.4 12.6

68 6.9 5.1 7.7





#22

Acetophenone

Concen: 5.900 ng

RT: 7.287 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:105 Resp: 106522

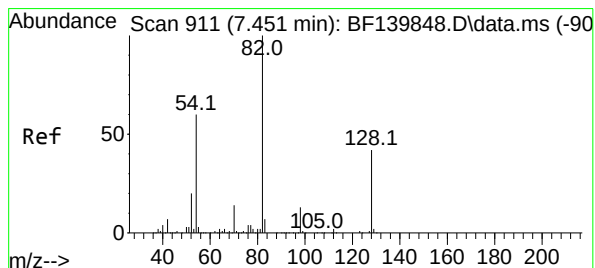
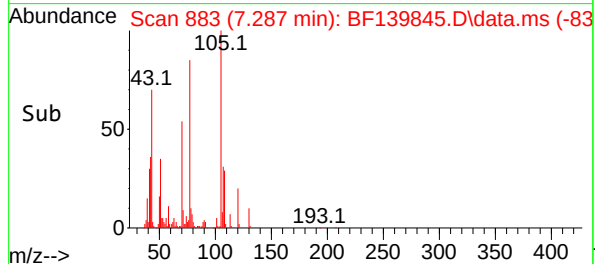
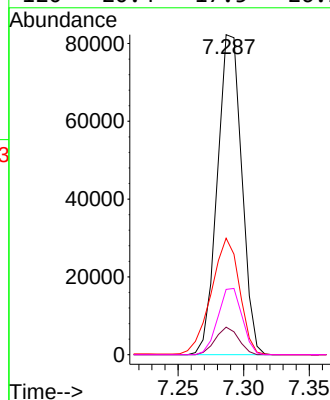
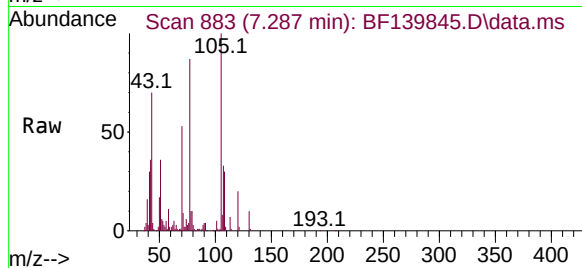
Ion Ratio Lower Upper

105 100

71 8.6 5.9 8.9

51 36.4 29.4 44.2

120 20.4 17.5 26.3



#23

Nitrobenzene-d5

Concen: 10.109 ng

RT: 7.445 min Scan# 910

Delta R.T. -0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

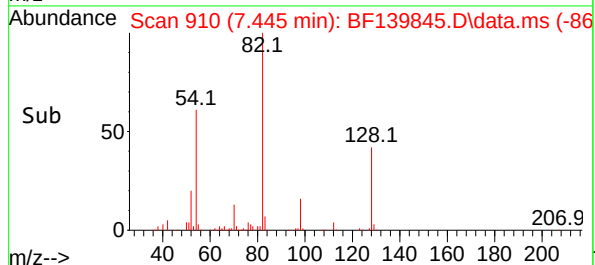
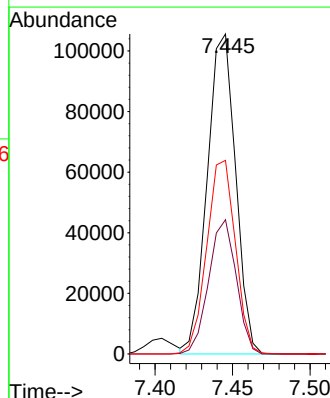
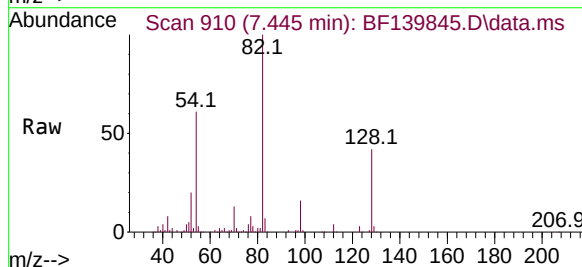
Tgt Ion: 82 Resp: 134439

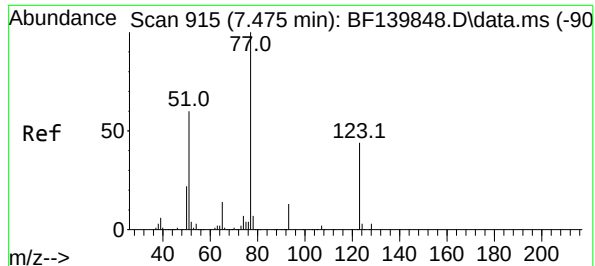
Ion Ratio Lower Upper

82 100

128 42.0 33.4 50.0

54 60.5 47.8 71.8





#24

Nitrobenzene

Concen: 5.269 ng

RT: 7.463 min Scan# 915

Delta R.T. -0.012 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

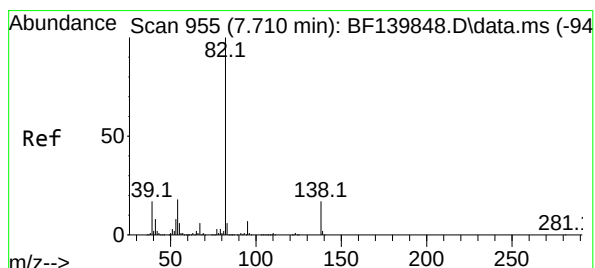
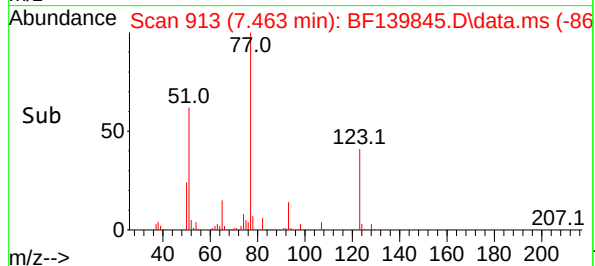
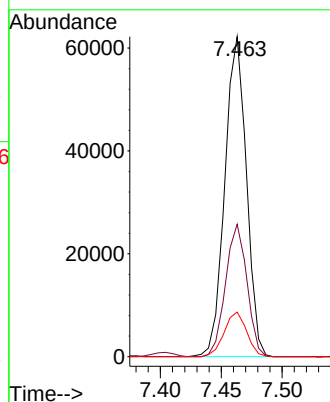
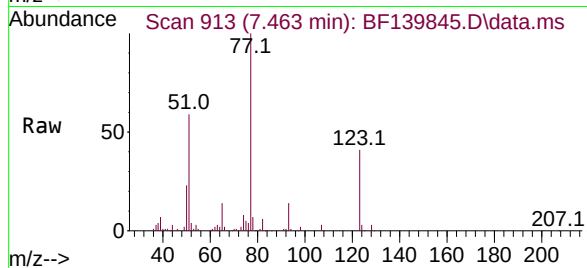
Tgt Ion: 77 Resp: 76831

Ion Ratio Lower Upper

77 100

123 41.4 35.7 53.5

65 14.0 11.5 17.3



#25

Isophorone

Concen: 5.510 ng

RT: 7.698 min Scan# 953

Delta R.T. -0.012 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

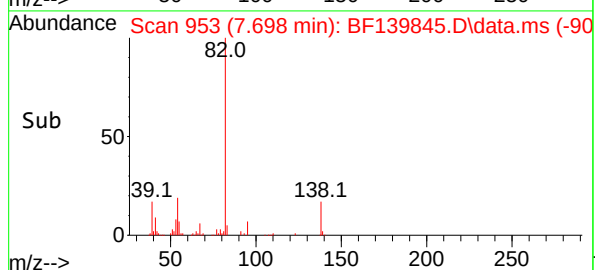
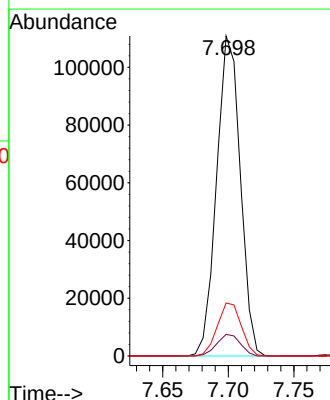
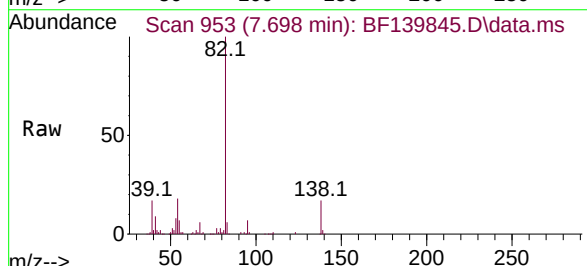
Tgt Ion: 82 Resp: 139084

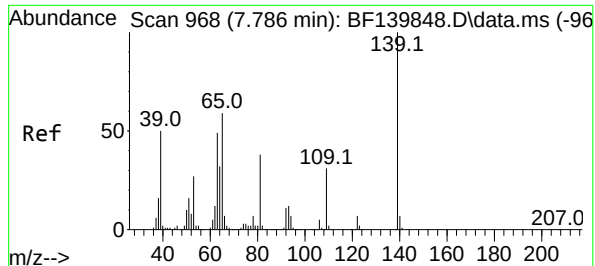
Ion Ratio Lower Upper

82 100

95 6.8 5.5 8.3

138 16.5 13.2 19.8





#26

2-Nitrophenol

Concen: 4.157 ng

RT: 7.781 min Scan# 968

Delta R.T. -0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

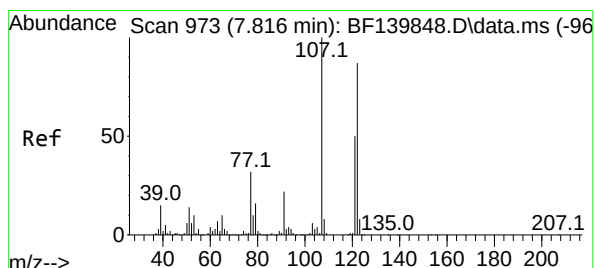
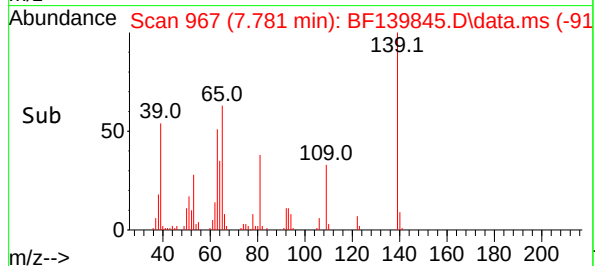
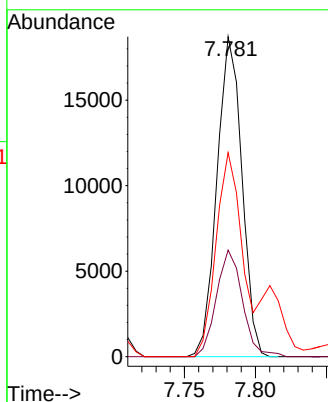
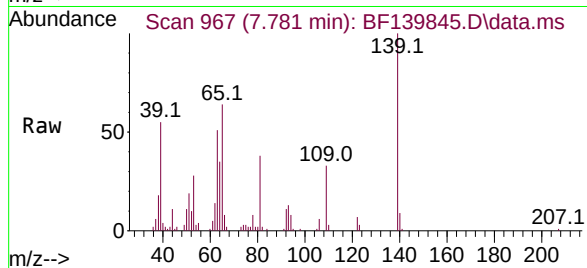
Tgt Ion:139 Resp: 22867

Ion Ratio Lower Upper

139 100

109 33.3 25.1 37.7

65 63.8 47.5 71.3



#27

2,4-Dimethylphenol

Concen: 5.716 ng

RT: 7.810 min Scan# 972

Delta R.T. -0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

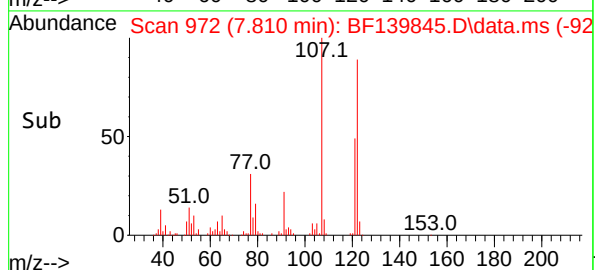
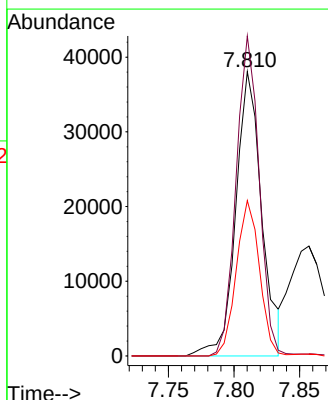
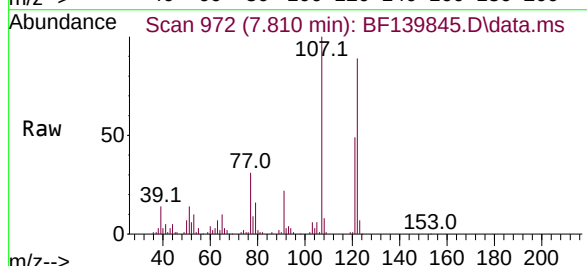
Tgt Ion:122 Resp: 52430

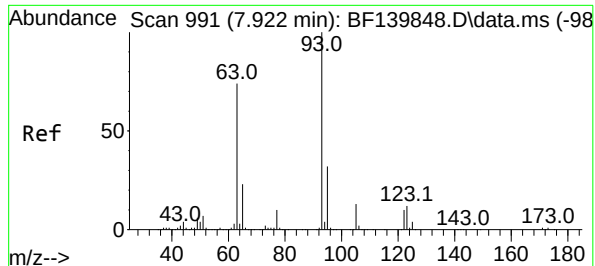
Ion Ratio Lower Upper

122 100

107 112.5 91.9 137.9

121 54.7 46.2 69.4





#28

bis(2-Chloroethoxy)methane

Concen: 5.643 ng

RT: 7.916 min Scan# 991

Delta R.T. -0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

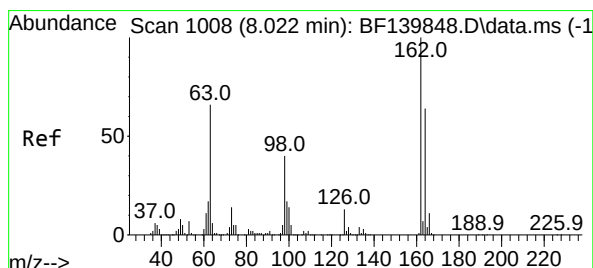
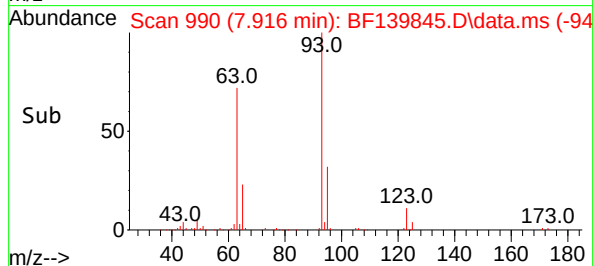
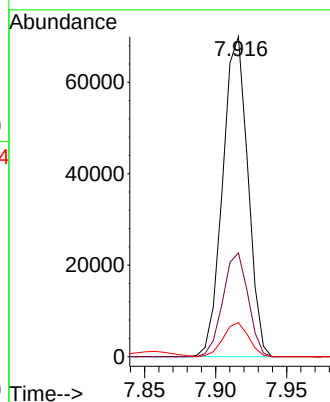
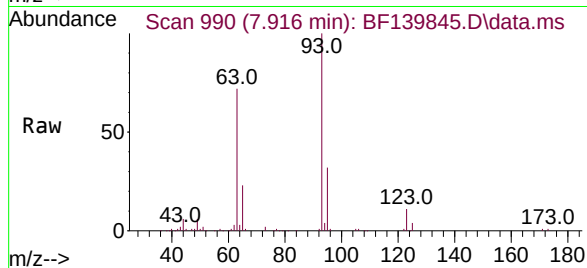
Tgt Ion: 93 Resp: 86298

Ion Ratio Lower Upper

93 100

95 32.5 26.0 39.0

123 10.6 9.8 14.8



#29

2,4-Dichlorophenol

Concen: 5.434 ng

RT: 8.016 min Scan# 1007

Delta R.T. -0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

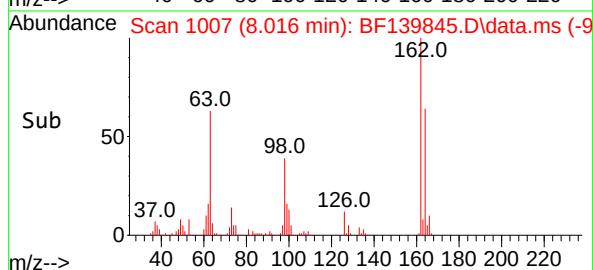
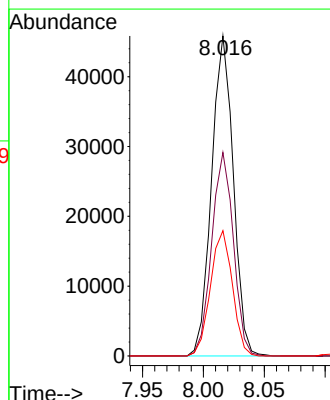
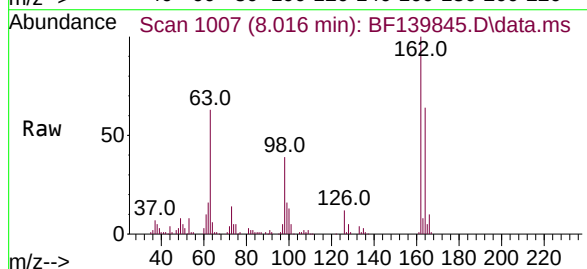
Tgt Ion: 162 Resp: 56772

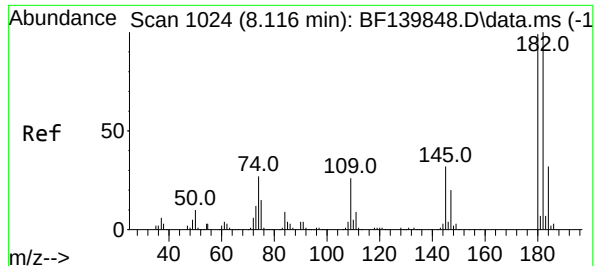
Ion Ratio Lower Upper

162 100

164 63.6 43.9 83.9

98 39.2 19.9 59.9





#30

1,2,4-Trichlorobenzene

Concen: 5.592 ng

RT: 8.110 min Scan# 1024

Delta R.T. -0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

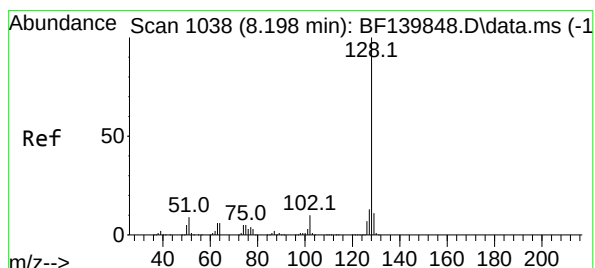
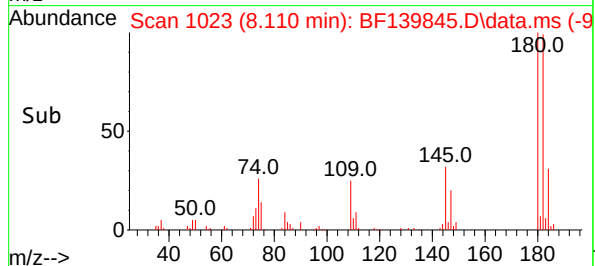
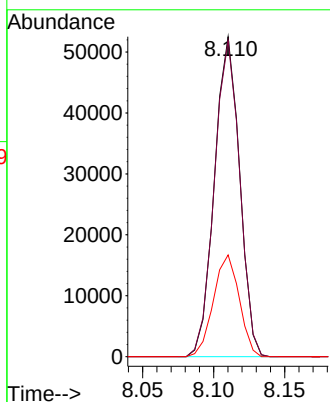
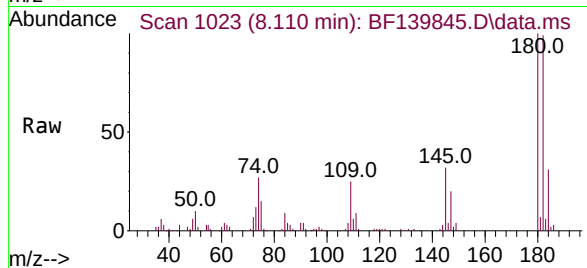
Tgt Ion:180 Resp: 64640

Ion Ratio Lower Upper

180 100

182 98.8 80.5 120.7

145 31.8 25.4 38.0



#31

Naphthalene

Concen: 5.859 ng

RT: 8.192 min Scan# 1037

Delta R.T. -0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

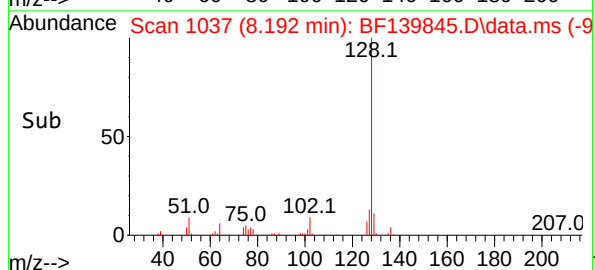
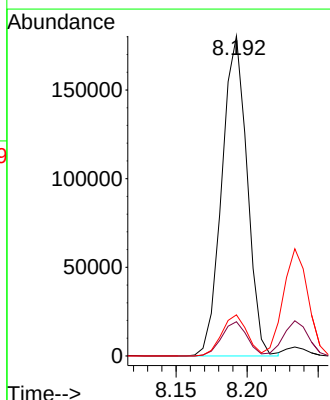
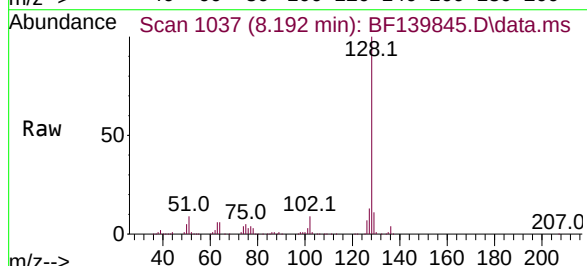
Tgt Ion:128 Resp: 222725

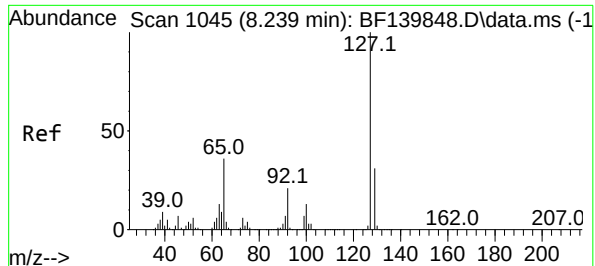
Ion Ratio Lower Upper

128 100

129 10.7 8.9 13.3

127 12.9 10.6 16.0





#33

4-Chloroaniline

Concen: 5.647 ng

RT: 8.234 min Scan# 1044

Delta R.T. -0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:127 Resp: 73196

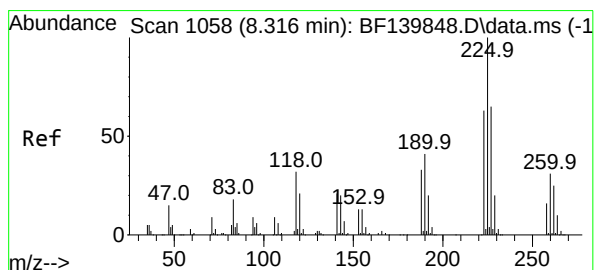
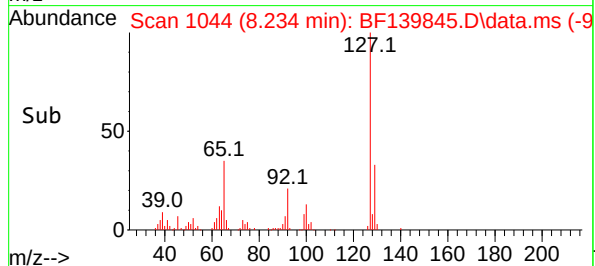
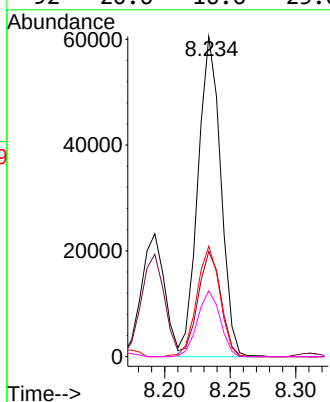
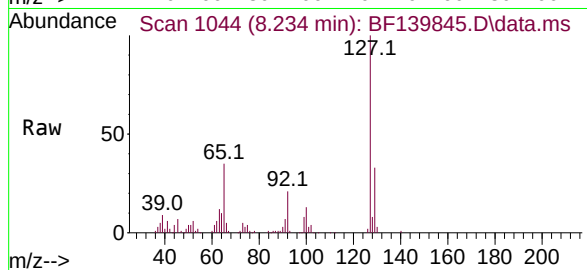
Ion Ratio Lower Upper

127 100

129 32.9 25.4 38.2

65 34.5 28.4 42.6

92 20.6 16.6 25.0



#34

Hexachlorobutadiene

Concen: 5.670 ng

RT: 8.310 min Scan# 1057

Delta R.T. -0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

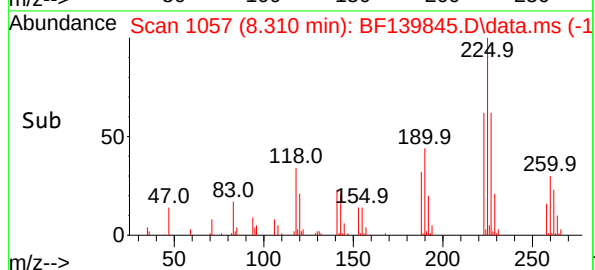
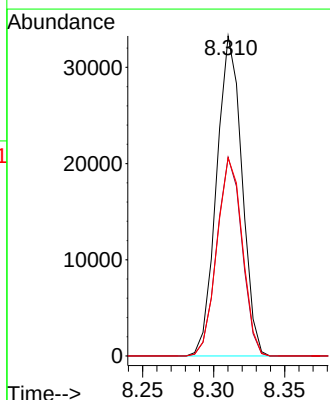
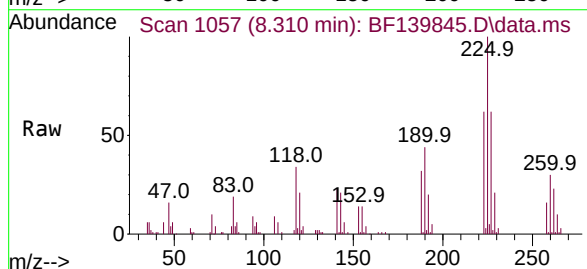
Tgt Ion:225 Resp: 41186

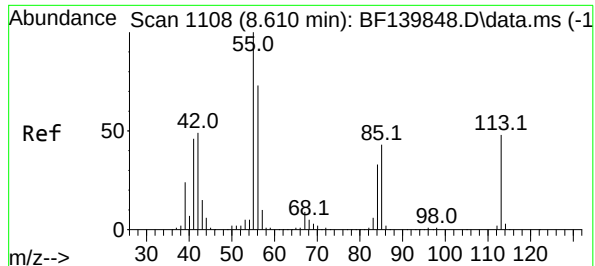
Ion Ratio Lower Upper

225 100

223 62.1 50.6 76.0

227 61.9 51.8 77.8

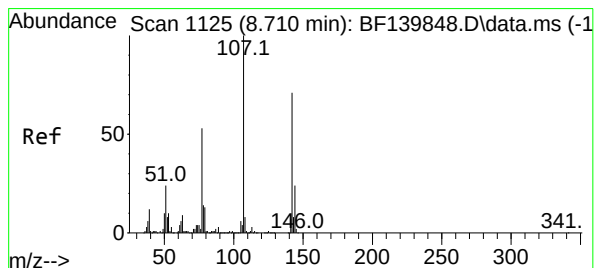
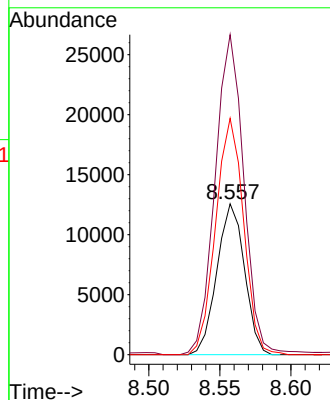
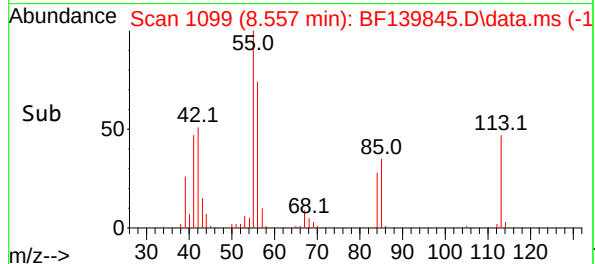
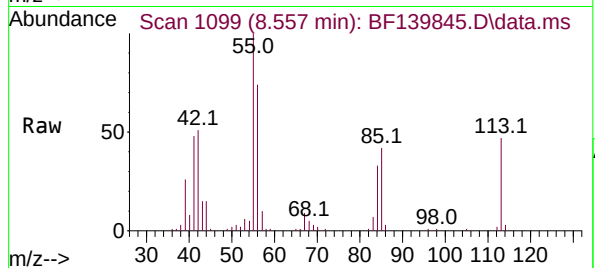




#35
Caprolactam
Concen: 5.114 ng
RT: 8.557 min Scan# 1099
Delta R.T. -0.053 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

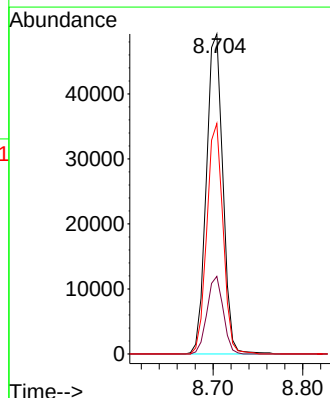
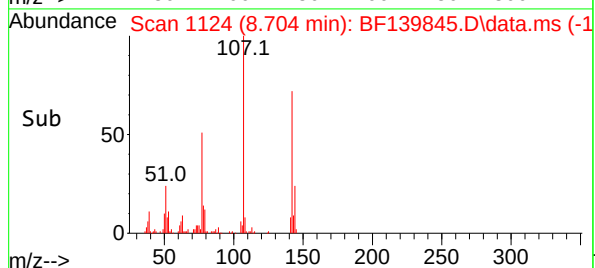
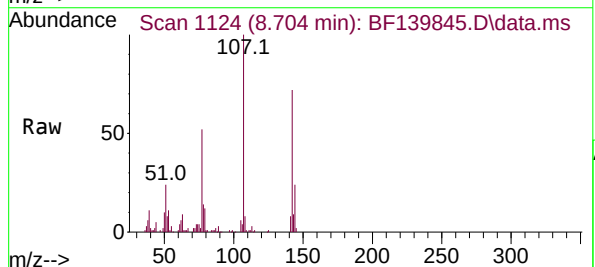
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

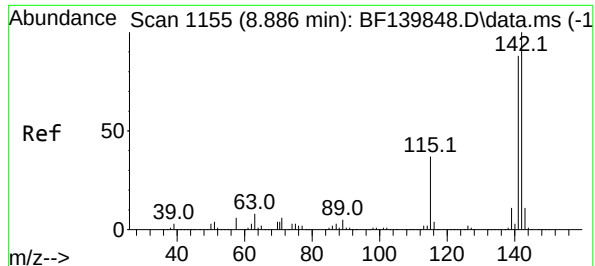
Tgt Ion:113 Resp: 16989
Ion Ratio Lower Upper
113 100
55 212.2 189.2 229.2
56 156.7 132.5 172.5



#36
4-Chloro-3-methylphenol
Concen: 5.438 ng
RT: 8.704 min Scan# 1124
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion:107 Resp: 62903
Ion Ratio Lower Upper
107 100
144 24.3 19.1 28.7
142 72.0 57.2 85.8





#37

2-Methylnaphthalene

Concen: 5.854 ng

RT: 8.881 min Scan# 1155

Delta R.T. -0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

Instrument :

BNA_F

ClientSampleId :

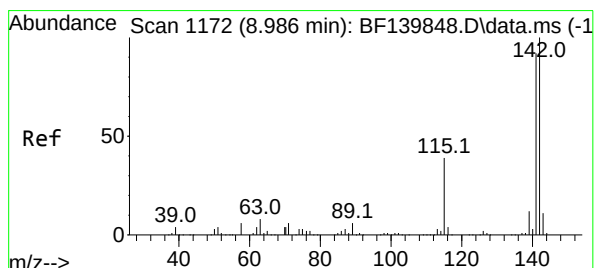
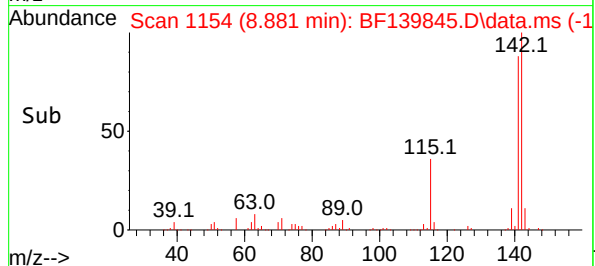
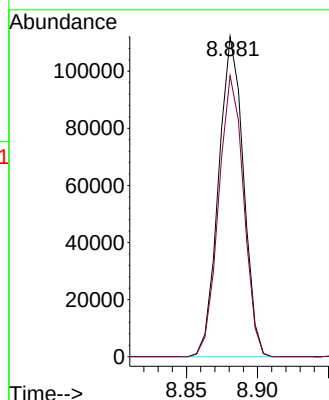
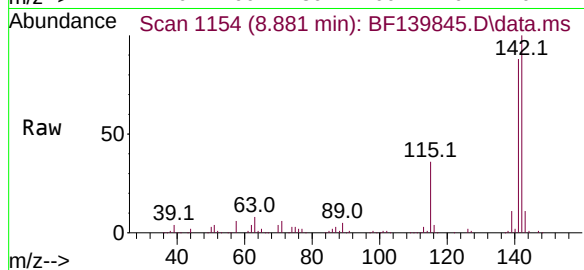
SSTDICC005

Tgt Ion:142 Resp: 136292

Ion Ratio Lower Upper

142 100

141 87.8 70.8 106.2



#38

1-Methylnaphthalene

Concen: 5.856 ng

RT: 8.981 min Scan# 1171

Delta R.T. -0.006 min

Lab File: BF139845.D

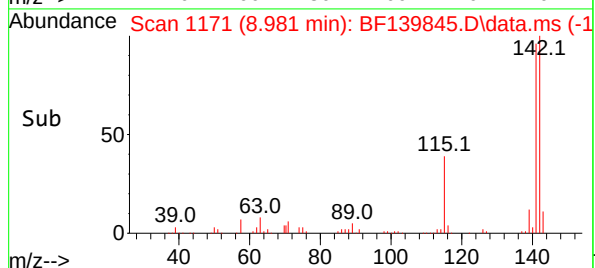
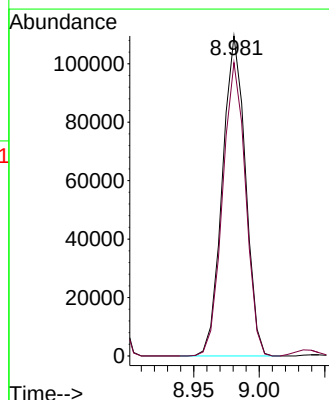
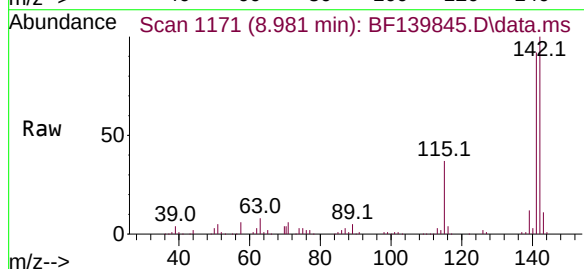
Acq: 18 Oct 2024 10:55

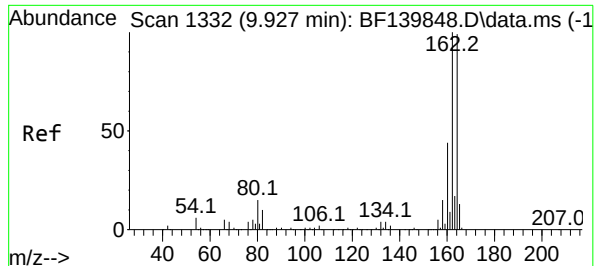
Tgt Ion:142 Resp: 133747

Ion Ratio Lower Upper

142 100

141 91.7 73.5 110.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 11

Delta R.T. 0.001 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

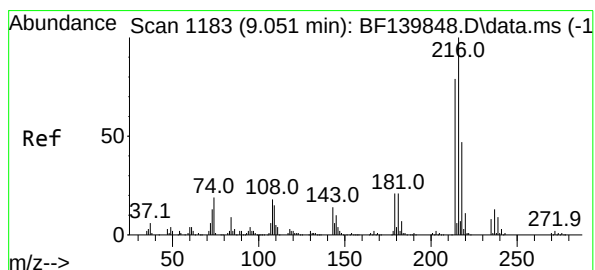
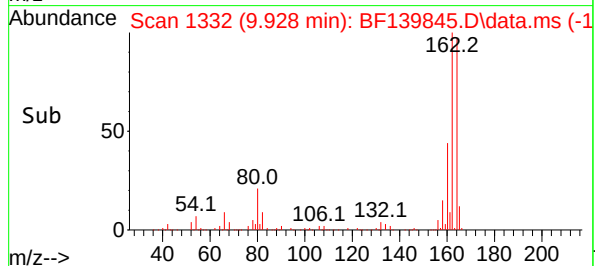
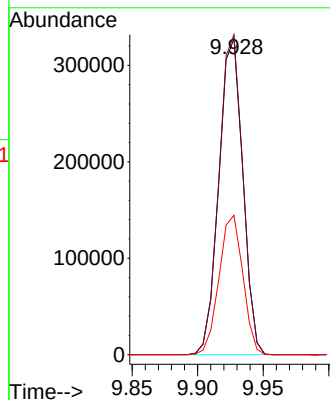
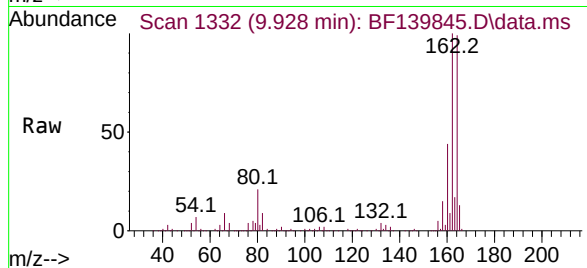
Tgt Ion:164 Resp: 414324

Ion Ratio Lower Upper

164 100

162 101.3 81.0 121.4

160 44.1 35.4 53.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 5.640 ng

RT: 9.045 min Scan# 1182

Delta R.T. -0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

Tgt Ion:216 Resp: 63046

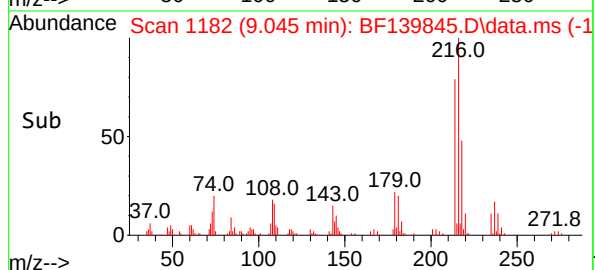
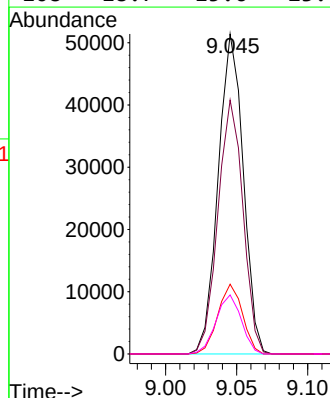
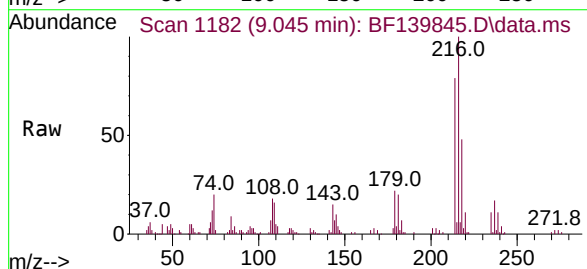
Ion Ratio Lower Upper

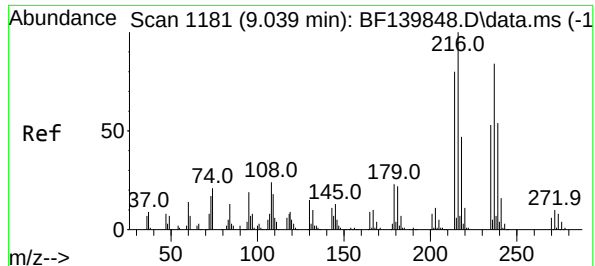
216 100

214 79.3 63.4 95.0

179 21.4 17.2 25.8

108 18.7 15.6 23.4

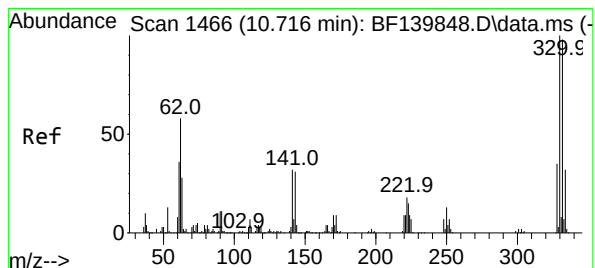
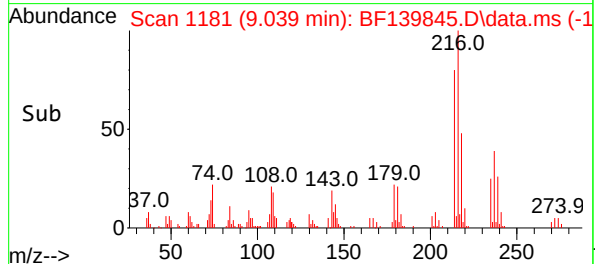
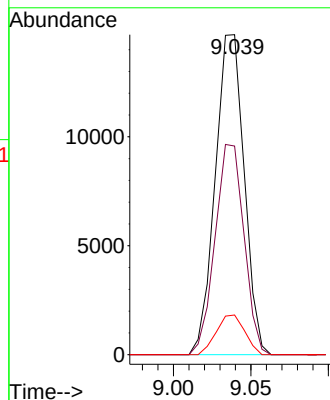
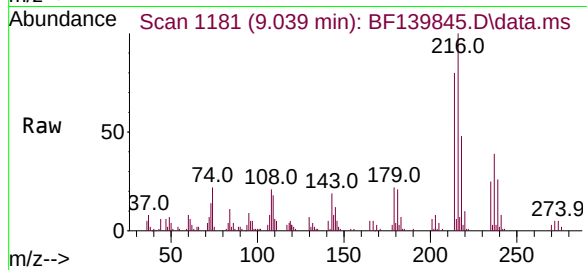




#41
Hexachlorocyclopentadiene
Concen: 4.916 ng
RT: 9.039 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

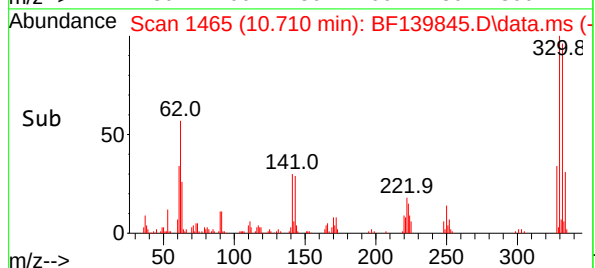
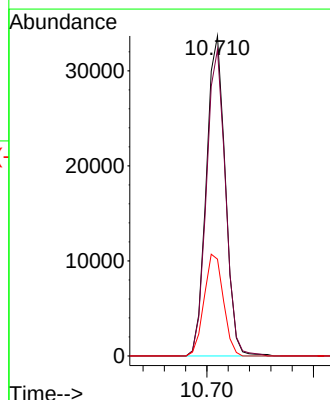
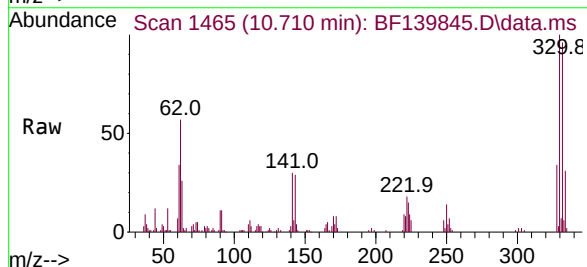
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

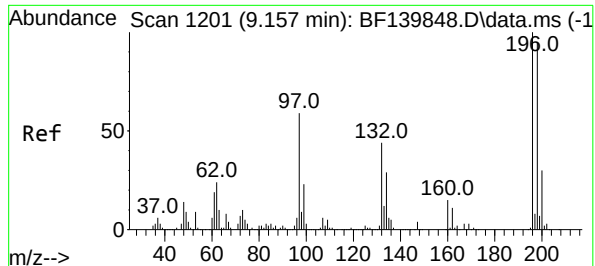
Tgt Ion	Ratio	Lower	Upper
237	100		
235	65.2	42.9	82.9
272	12.4	0.0	32.3



#42
2,4,6-Tribromophenol
Concen: 10.755 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.2	78.1	117.1
141	32.3	26.6	39.8





#43

2,4,6-Trichlorophenol

Concen: 5.307 ng

RT: 9.151 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

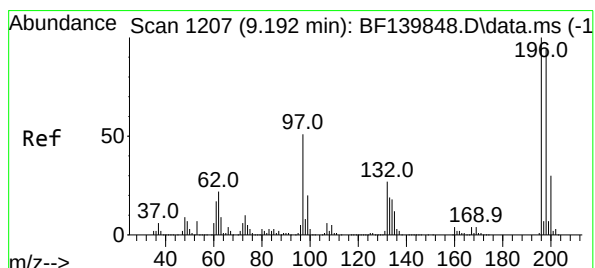
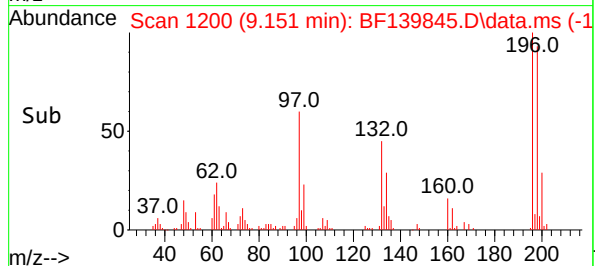
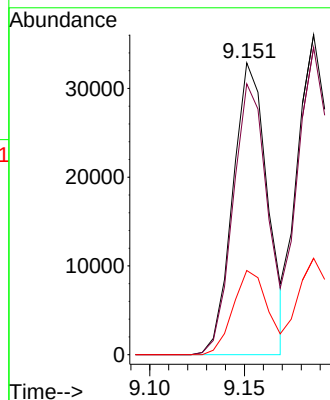
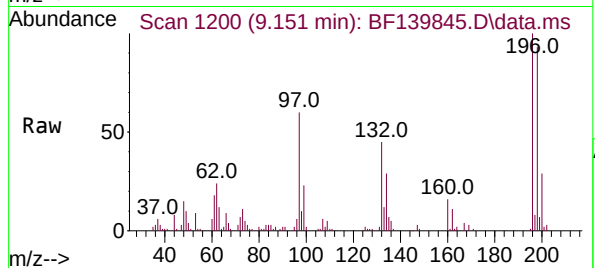
Tgt Ion:196 Resp: 41997

Ion Ratio Lower Upper

196 100

198 92.8 76.2 114.2

200 28.8 24.0 36.0



#44

2,4,5-Trichlorophenol

Concen: 5.399 ng

RT: 9.187 min Scan# 1206

Delta R.T. -0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

Tgt Ion:196 Resp: 44086

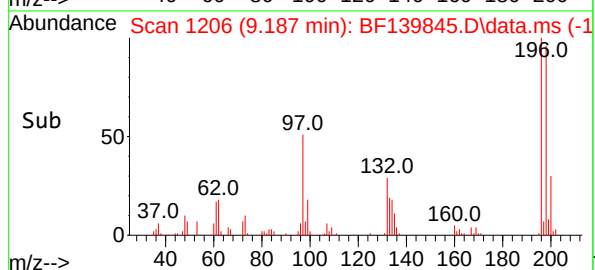
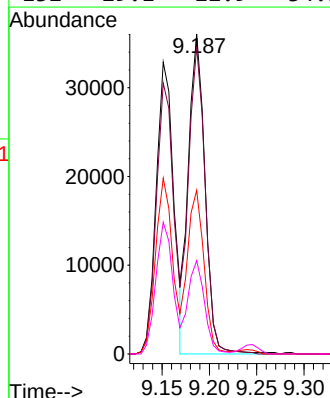
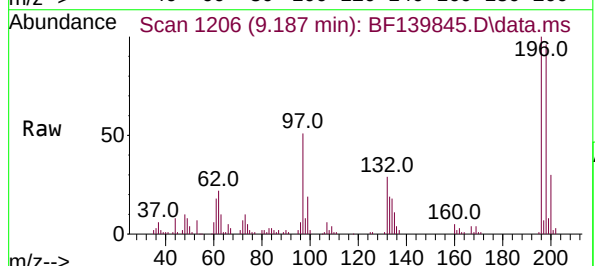
Ion Ratio Lower Upper

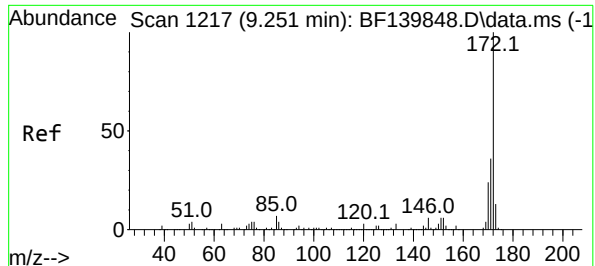
196 100

198 96.0 75.8 113.6

97 51.2 41.8 62.6

132 29.1 22.9 34.3





#45

2-Fluorobiphenyl

Concen: 12.492 ng

RT: 9.245 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

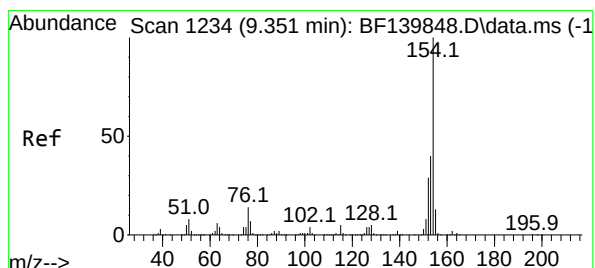
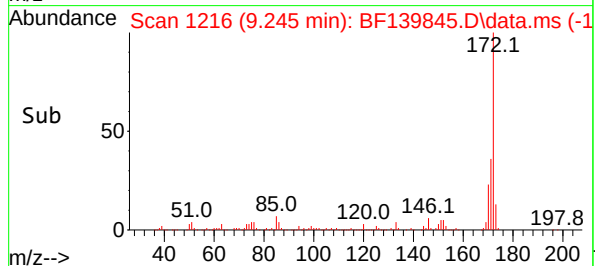
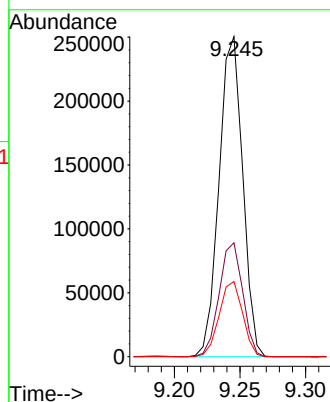
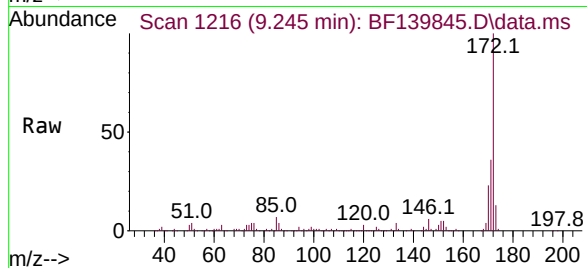
Tgt Ion:172 Resp: 313171

Ion Ratio Lower Upper

172 100

171 35.6 28.6 43.0

170 23.5 19.1 28.7



#46

1,1'-Biphenyl

Concen: 5.891 ng

RT: 9.345 min Scan# 1233

Delta R.T. -0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

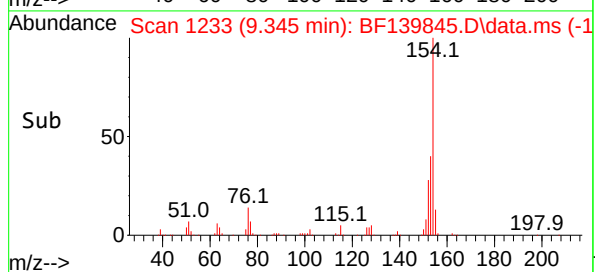
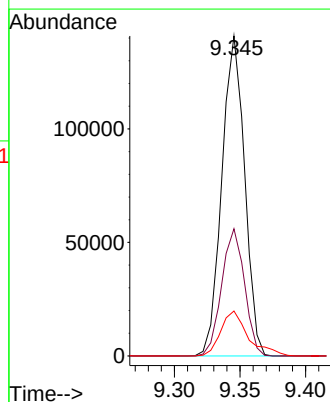
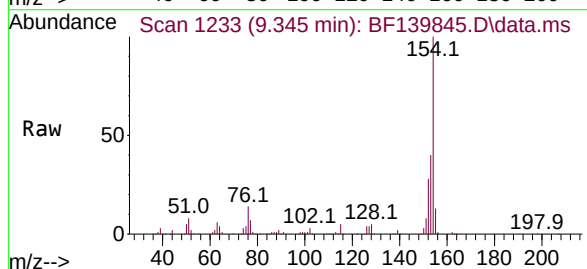
Tgt Ion:154 Resp: 169920

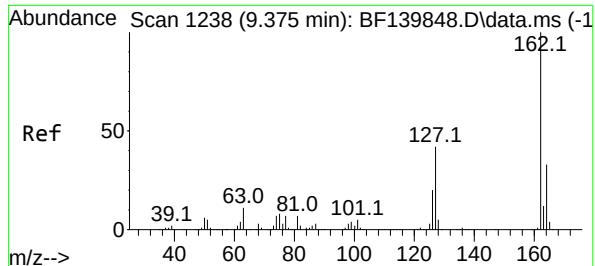
Ion Ratio Lower Upper

154 100

153 39.7 20.3 60.3

76 14.1 0.0 33.9





#47

2-Chloronaphthalene

Concen: 5.745 ng

RT: 9.369 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

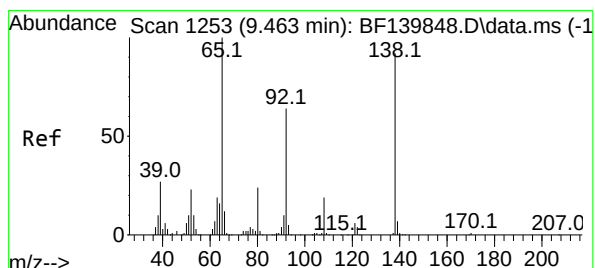
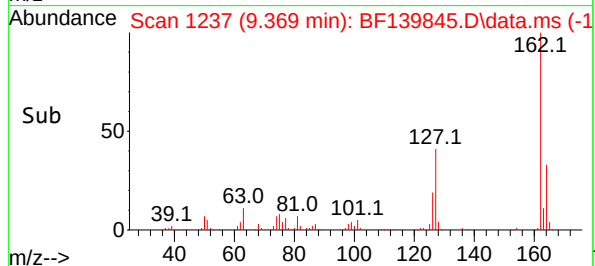
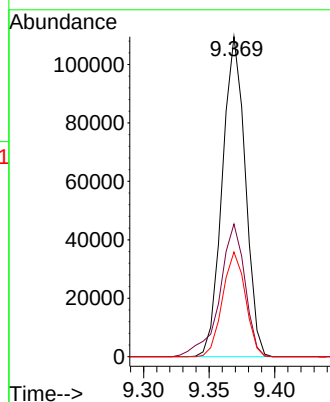
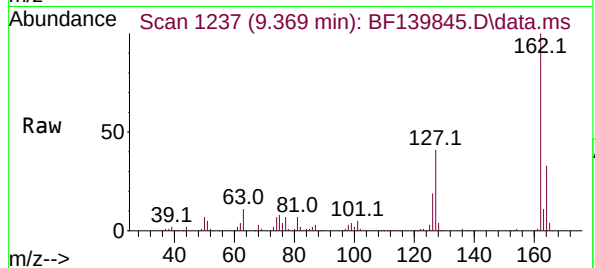
Tgt Ion:162 Resp: 133456

Ion Ratio Lower Upper

162 100

127 41.4 33.8 50.6

164 32.7 26.6 39.8



#48

2-Nitroaniline

Concen: 4.363 ng

RT: 9.457 min Scan# 1252

Delta R.T. -0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

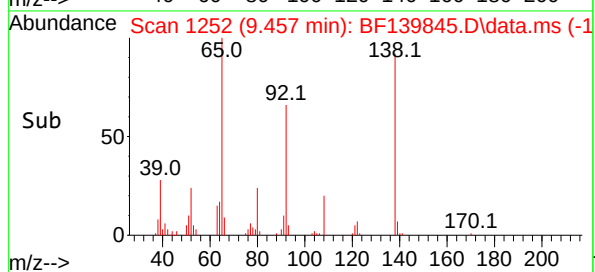
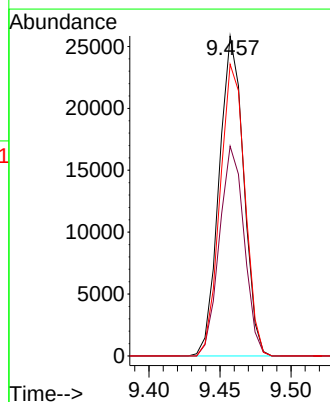
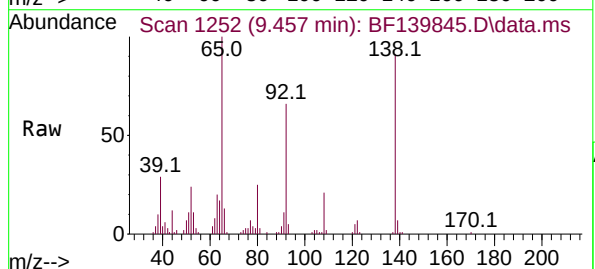
Tgt Ion: 65 Resp: 30999

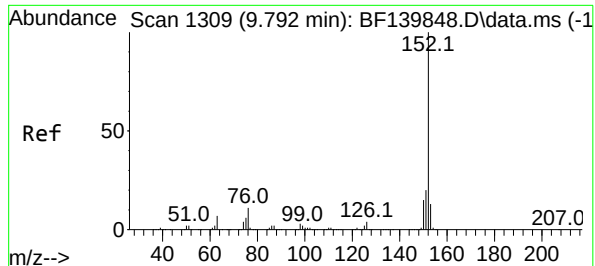
Ion Ratio Lower Upper

65 100

92 65.6 50.9 76.3

138 91.1 73.4 110.0





#49

Acenaphthylene

Concen: 5.717 ng

RT: 9.786 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

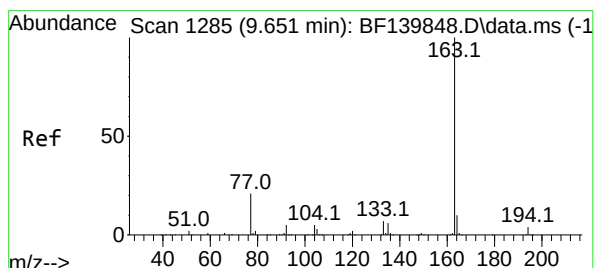
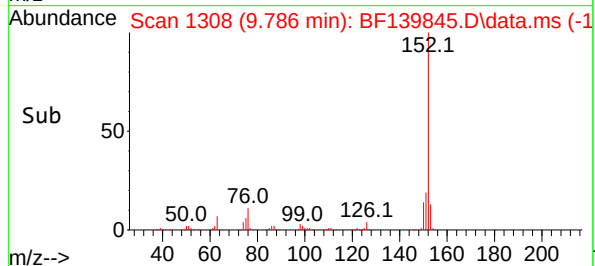
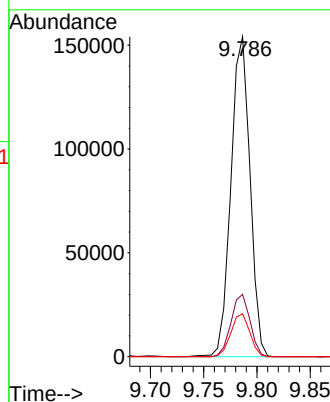
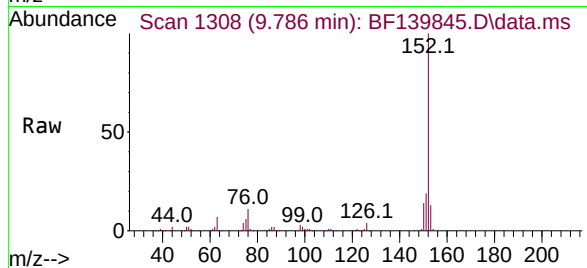
Tgt Ion:152 Resp: 192014

Ion Ratio Lower Upper

152 100

151 19.5 15.9 23.9

153 13.4 10.7 16.1



#50

Dimethylphthalate

Concen: 5.661 ng

RT: 9.639 min Scan# 1283

Delta R.T. -0.012 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

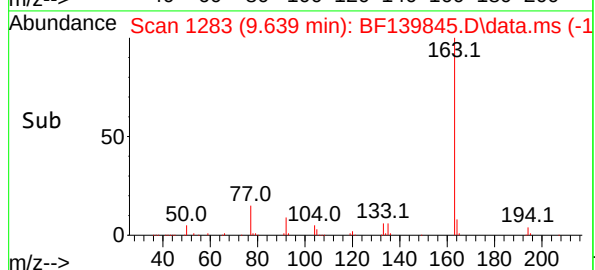
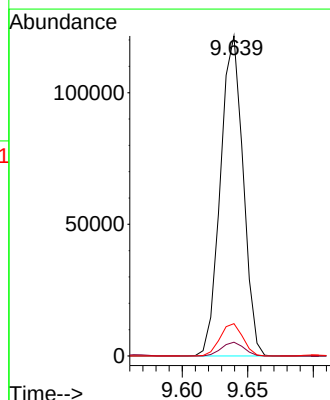
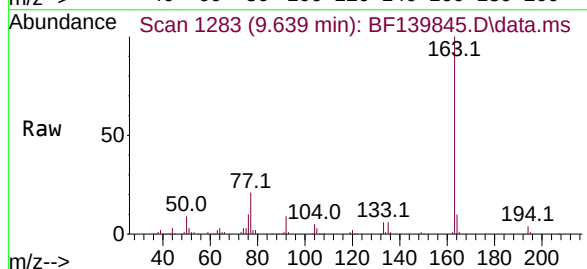
Tgt Ion:163 Resp: 146096

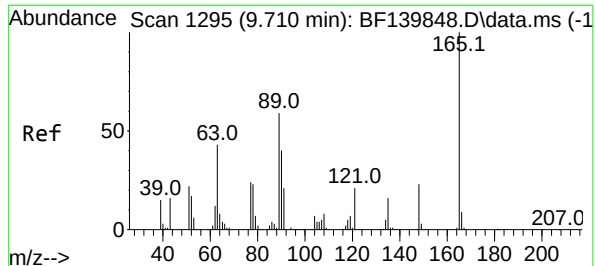
Ion Ratio Lower Upper

163 100

194 4.3 3.4 5.0

164 10.1 8.2 12.2

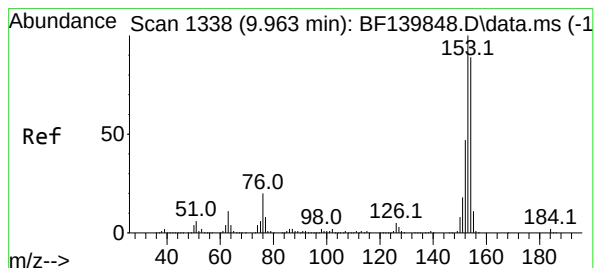
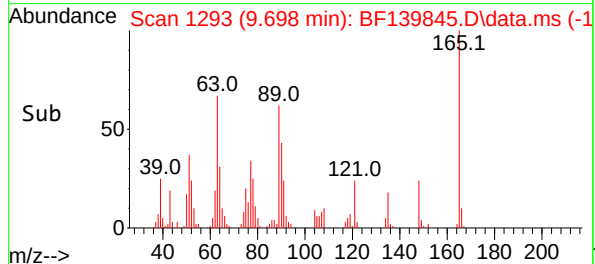
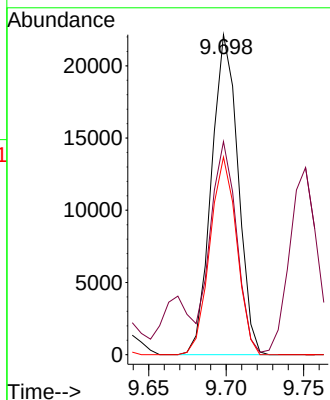
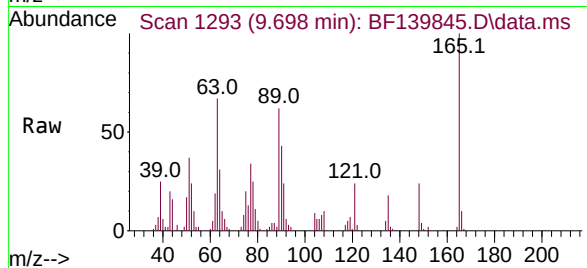




#51
2,6-Dinitrotoluene
Concen: 4.741 ng
RT: 9.698 min Scan# 1295
Delta R.T. -0.012 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

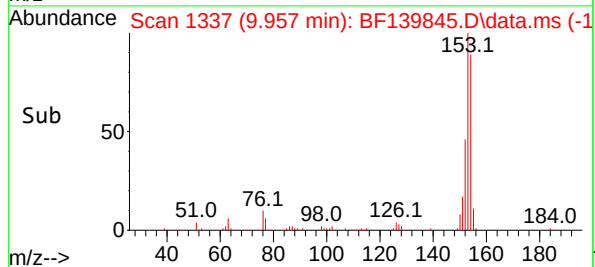
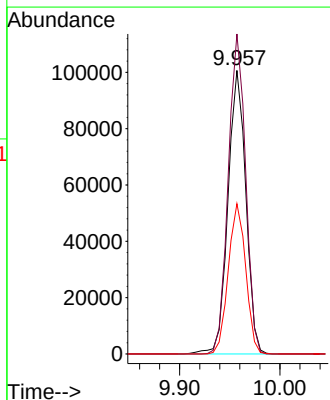
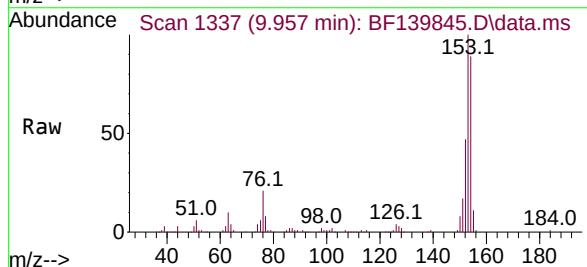
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

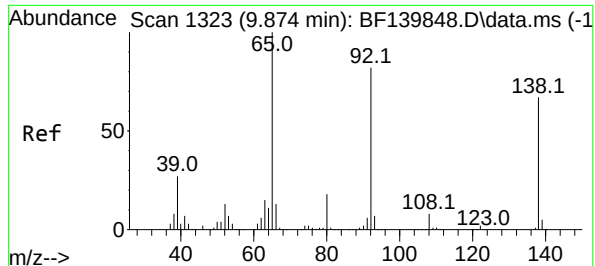
Tgt Ion:165 Resp: 26490
Ion Ratio Lower Upper
165 100
63 66.6 50.6 75.8
89 61.8 47.5 71.3



#52
Acenaphthene
Concen: 5.721 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion:154 Resp: 124288
Ion Ratio Lower Upper
154 100
153 112.9 89.8 134.6
152 53.0 42.4 63.6

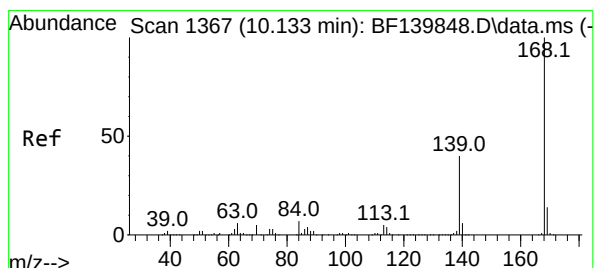
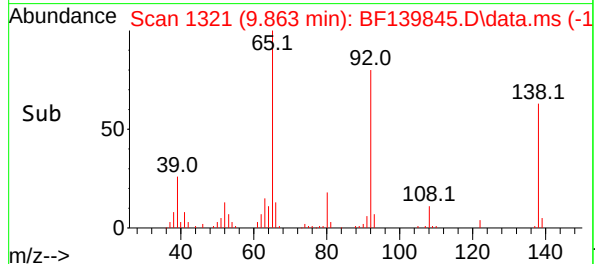
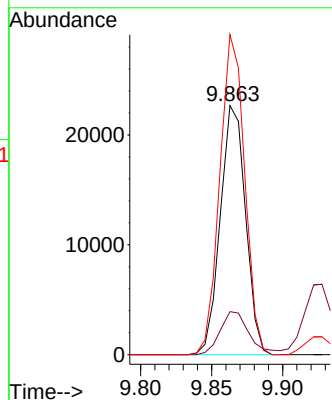
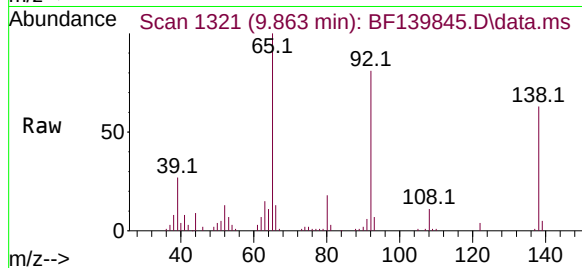




#53
3-Nitroaniline
Concen: 4.858 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.012 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

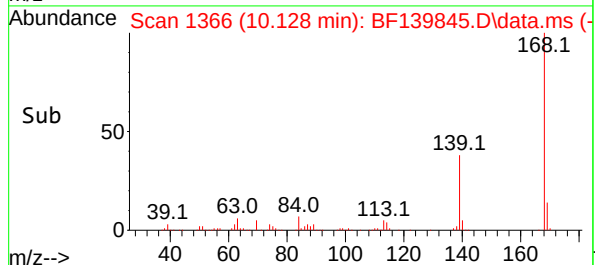
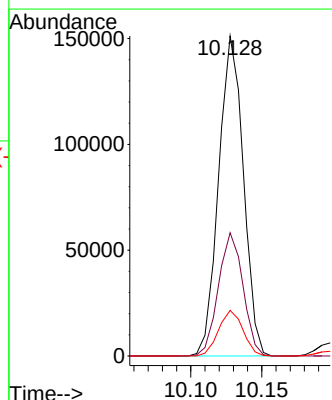
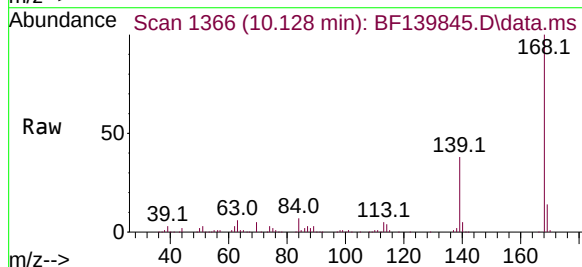
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

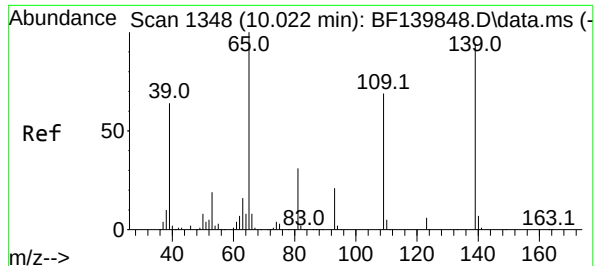
Tgt Ion:138 Resp: 27995
Ion Ratio Lower Upper
138 100
108 17.3 10.2 15.2#
92 128.5 98.3 147.5



#55
Dibenzofuran
Concen: 5.870 ng
RT: 10.128 min Scan# 1366
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion:168 Resp: 182985
Ion Ratio Lower Upper
168 100
139 38.5 31.8 47.6
169 14.3 11.6 17.4

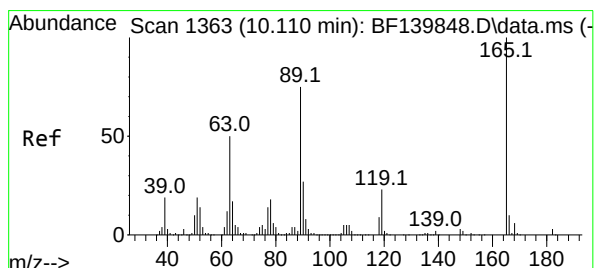
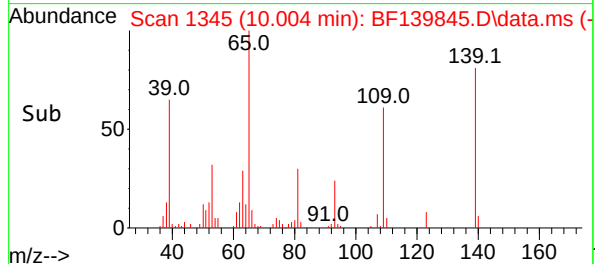
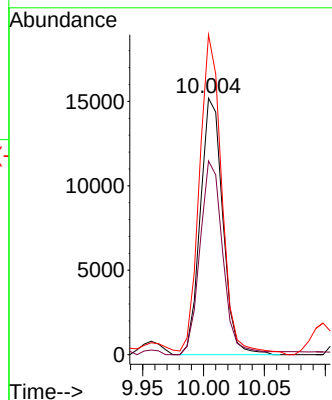
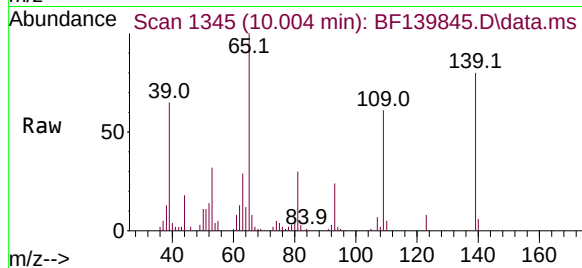




#56
4-Nitrophenol
Concen: 4.376 ng
RT: 10.004 min Scan# 1345
Delta R.T. -0.017 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

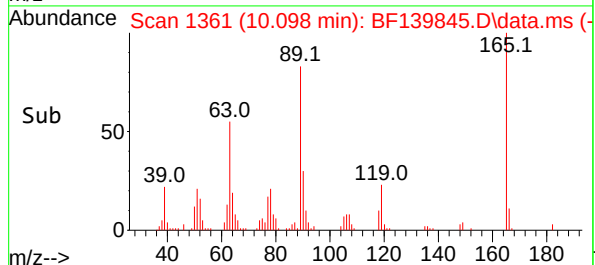
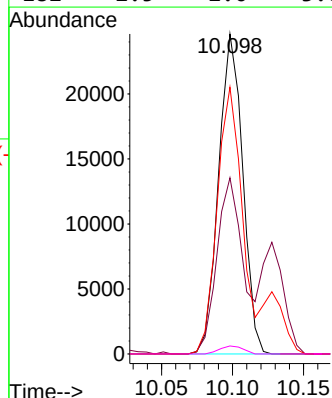
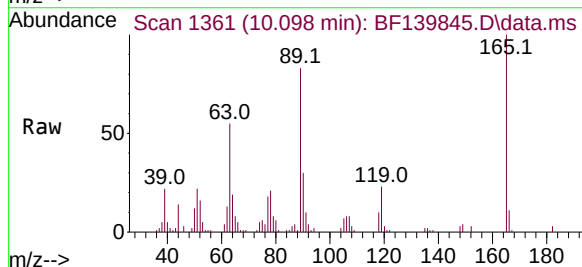
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

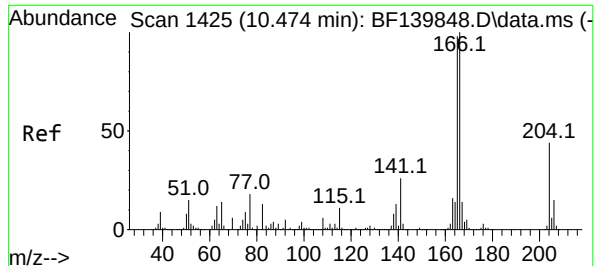
Tgt Ion	Ratio	Lower	Upper
139	100		
109	75.6	53.6	93.6
65	124.8	87.8	127.8



#57
2,4-Dinitrotoluene
Concen: 4.226 ng
RT: 10.098 min Scan# 1361
Delta R.T. -0.012 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion	Ratio	Lower	Upper
165	100		
63	55.0	40.1	60.1
89	83.3	60.4	90.6
182	2.5	2.0	3.0

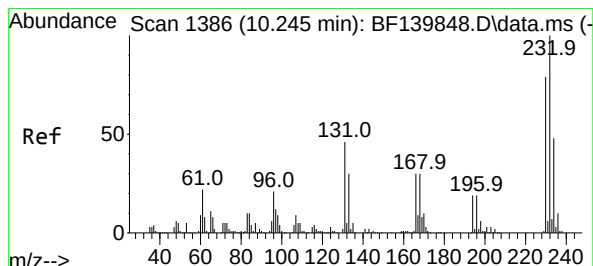
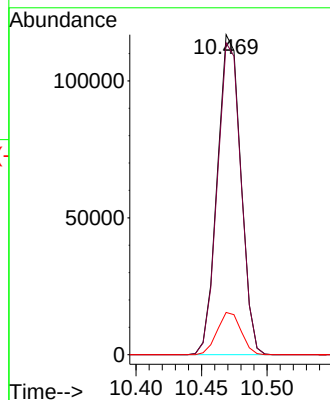
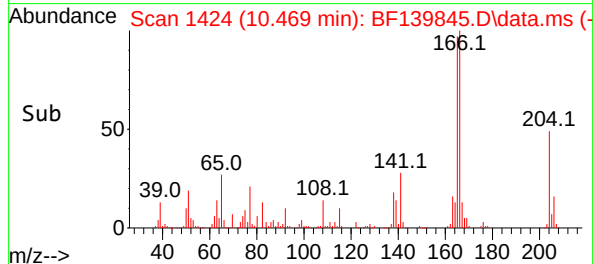
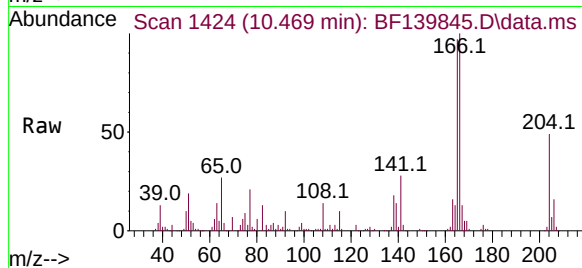




#58
Fluorene
Concen: 6.146 ng
RT: 10.469 min Scan# 1424
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

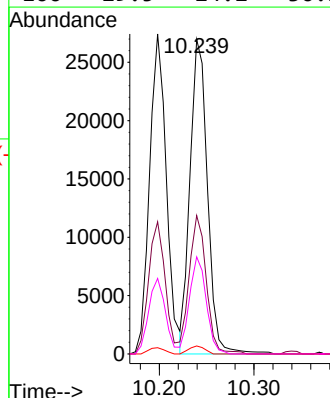
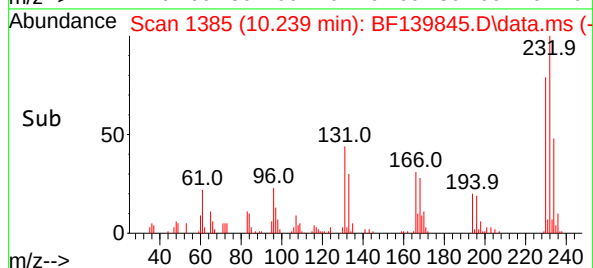
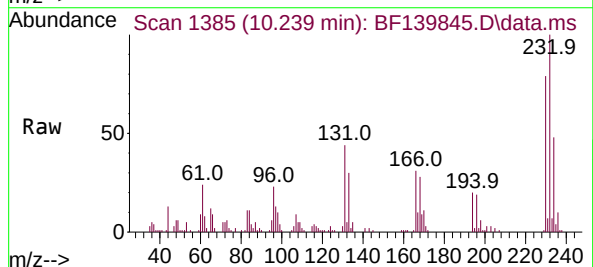
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

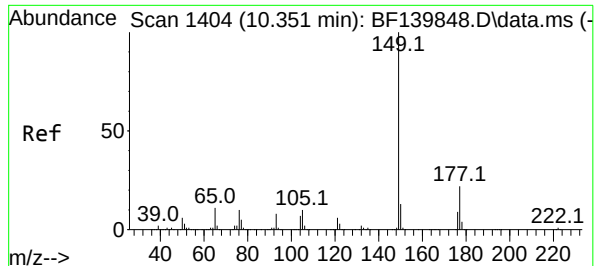
Tgt Ion:166 Resp: 145913
Ion Ratio Lower Upper
166 100
165 97.5 78.5 117.7
167 13.2 10.9 16.3



#59
2,3,4,6-Tetrachlorophenol
Concen: 5.411 ng
RT: 10.239 min Scan# 1385
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion:232 Resp: 34636
Ion Ratio Lower Upper
232 100
131 43.7 37.0 55.6
130 2.3 1.9 2.9
166 29.5 24.2 36.2

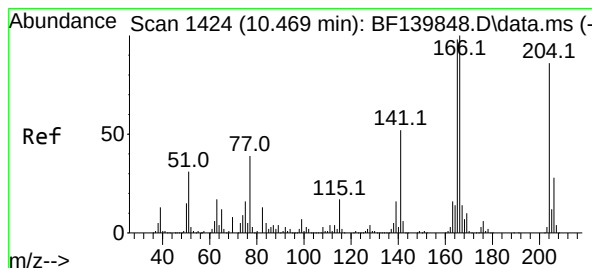
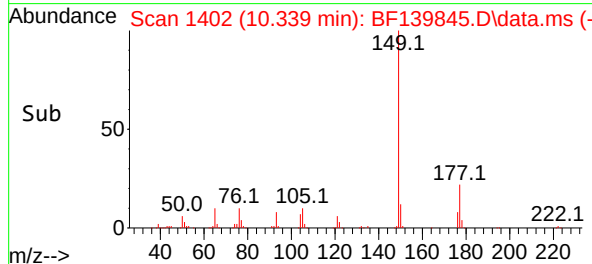
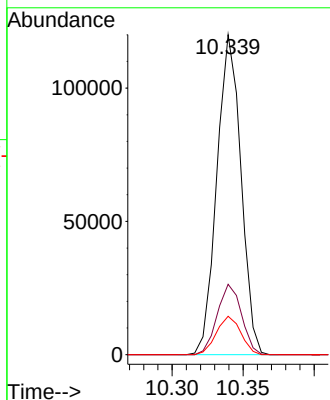
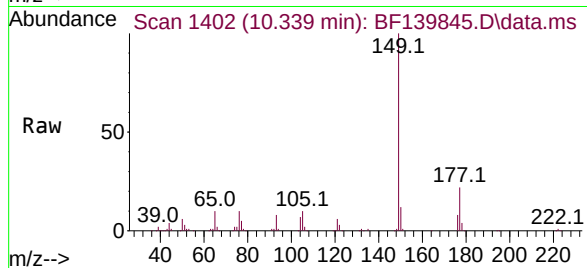




#60
Diethylphthalate
Concen: 5.583 ng
RT: 10.339 min Scan# 1402
Delta R.T. -0.012 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

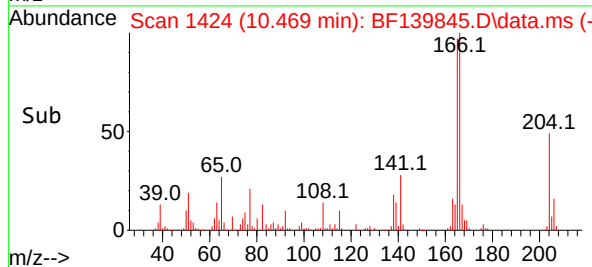
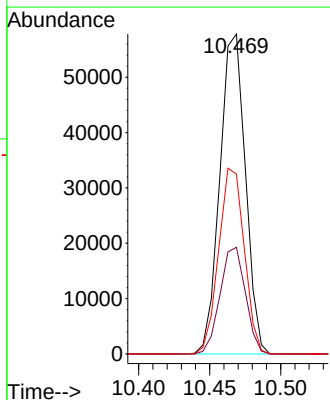
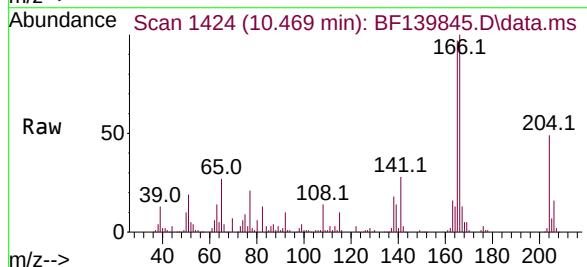
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

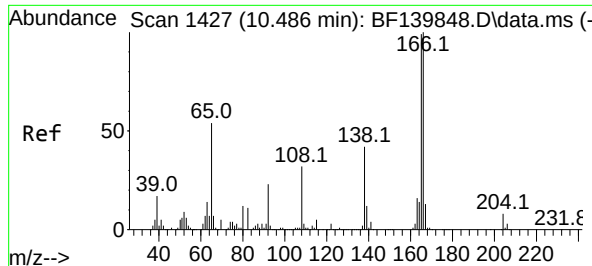
Tgt Ion:149 Resp: 141466
Ion Ratio Lower Upper
149 100
177 22.0 17.9 26.9
150 12.0 10.1 15.1



#61
4-Chlorophenyl-phenylether
Concen: 6.033 ng
RT: 10.469 min Scan# 1424
Delta R.T. 0.000 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion:204 Resp: 72331
Ion Ratio Lower Upper
204 100
206 33.3 26.3 39.5
141 56.2 48.6 73.0

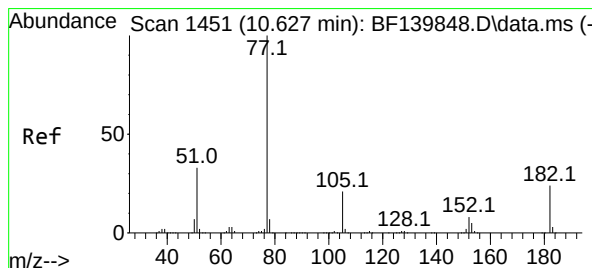
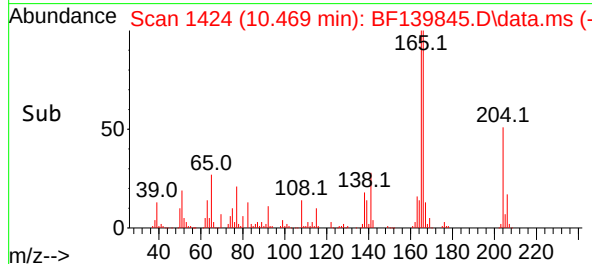
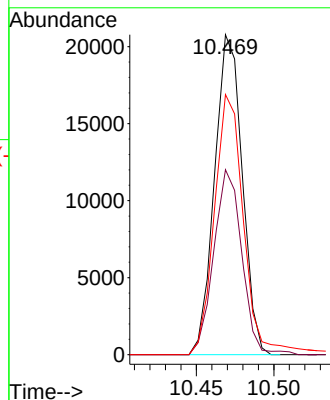
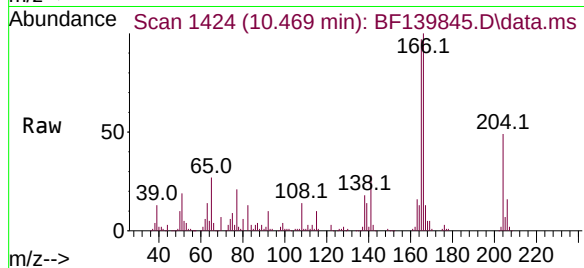




#62
4-Nitroaniline
Concen: 4.731 ng
RT: 10.469 min Scan# 1427
Delta R.T. -0.017 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

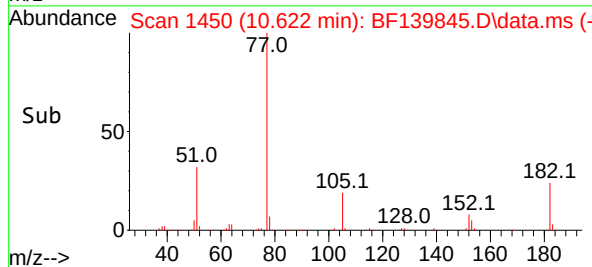
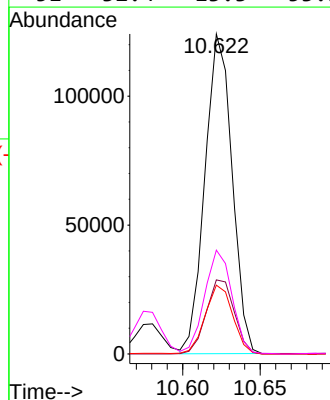
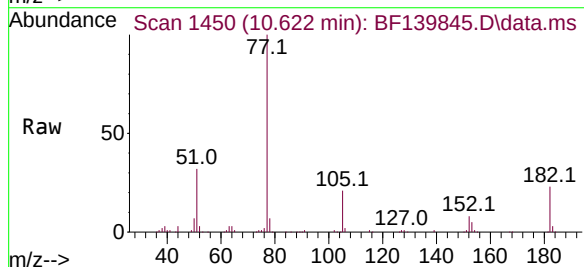
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

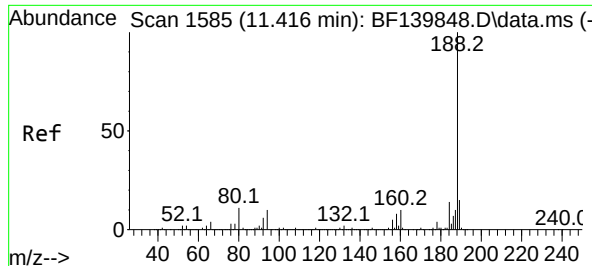
Tgt Ion	Ratio	Lower	Upper
138	100		
92	57.8	35.7	75.7
108	81.3	57.5	97.5



#63
Azobenzene
Concen: 5.627 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion	Ratio	Lower	Upper
77	100		
182	23.2	3.3	43.3
105	21.5	1.2	41.2
51	32.4	13.3	53.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1584

Delta R.T. -0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

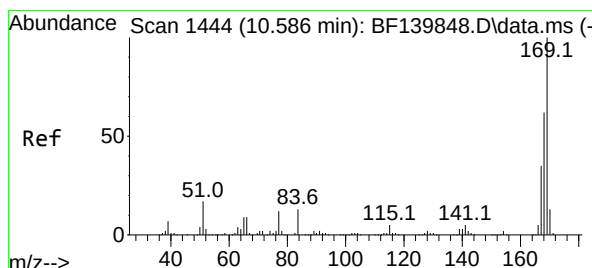
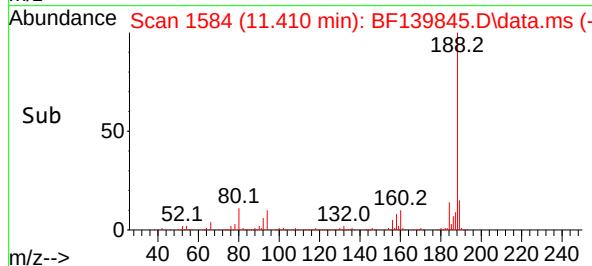
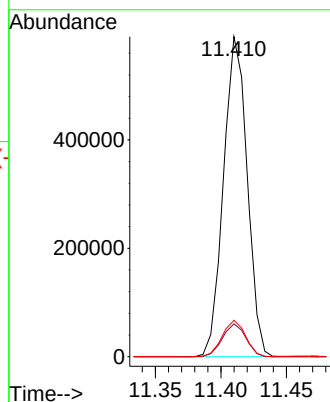
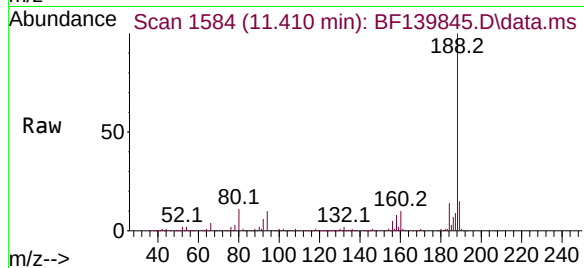
Tgt Ion:188 Resp: 741430

Ion Ratio Lower Upper

188 100

94 10.2 7.9 11.9

80 11.4 9.0 13.4



#66

n-Nitrosodiphenylamine

Concen: 5.609 ng

RT: 10.581 min Scan# 1443

Delta R.T. -0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

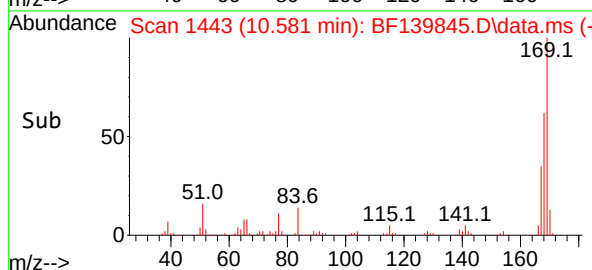
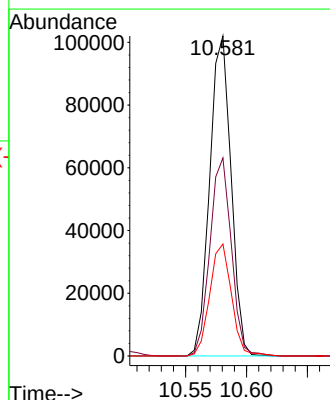
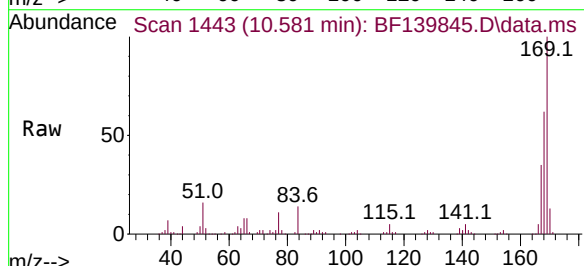
Tgt Ion:169 Resp: 124472

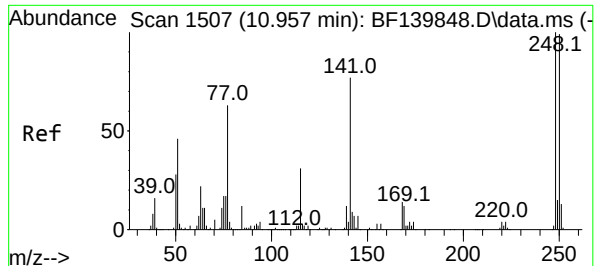
Ion Ratio Lower Upper

169 100

168 61.9 49.8 74.6

167 35.0 28.0 42.0

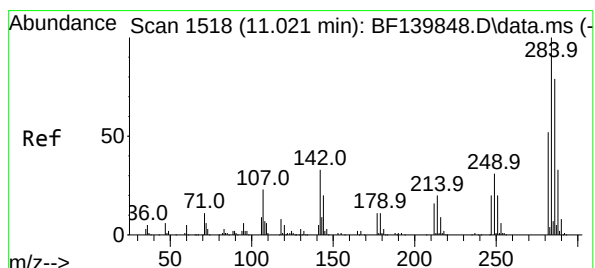
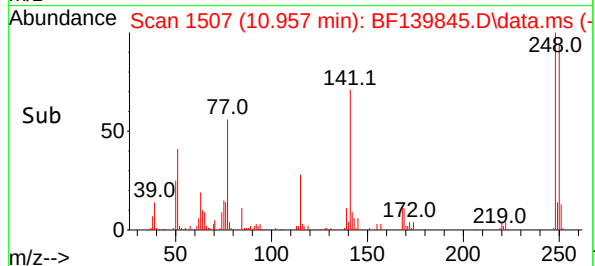
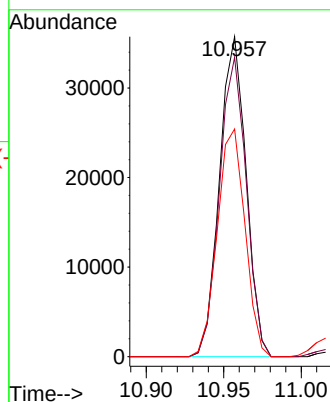
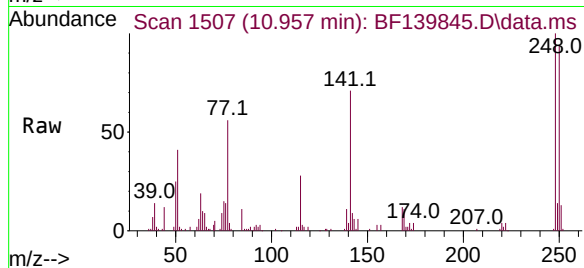




#67
4-Bromophenyl-phenylether
Concen: 5.591 ng
RT: 10.957 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

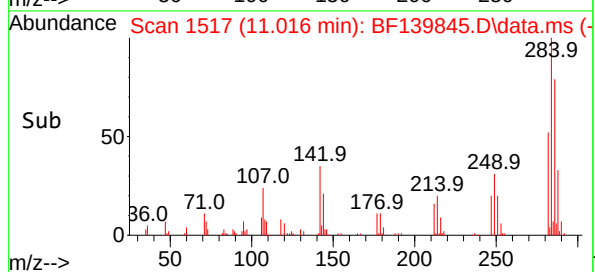
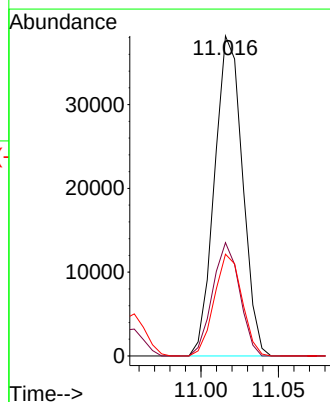
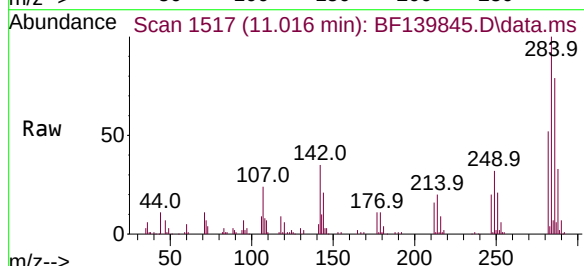
Instrument :
BNA_F
ClientSampleId :
SSTDIC005

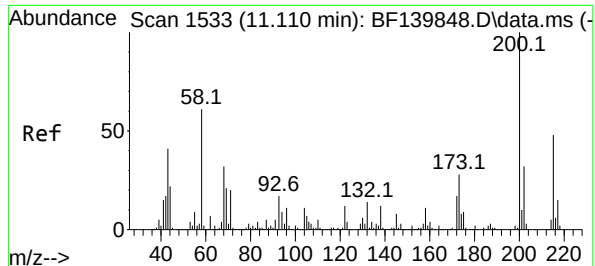
Tgt Ion:248 Resp: 42707
Ion Ratio Lower Upper
248 100
250 93.5 79.0 118.6
141 71.1 61.7 92.5



#68
Hexachlorobenzene
Concen: 5.575 ng
RT: 11.016 min Scan# 1517
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion:284 Resp: 47895
Ion Ratio Lower Upper
284 100
142 35.4 26.9 40.3
249 31.8 25.3 37.9





#69

Atrazine

Concen: 5.835 ng

RT: 11.104 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

Instrument :

BNA_F

ClientSampleId :

SSTDIC005

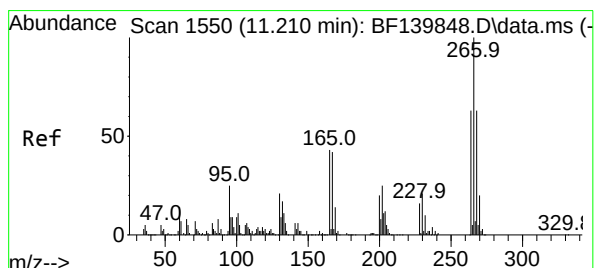
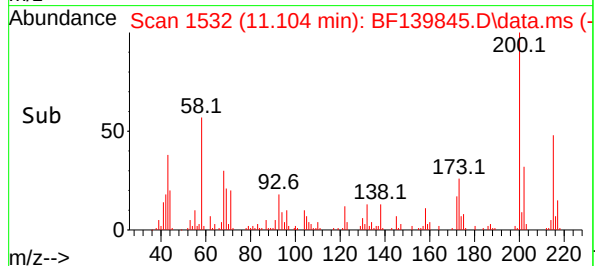
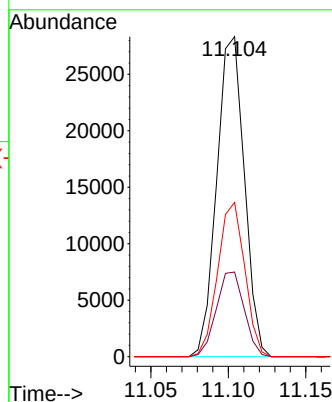
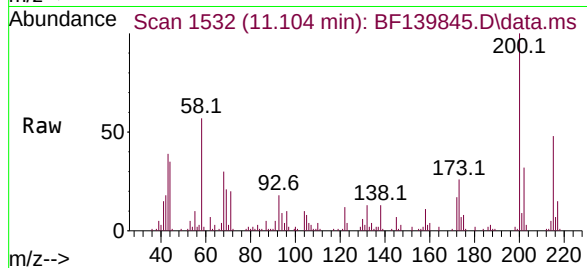
Tgt Ion:200 Resp: 35075

Ion Ratio Lower Upper

200 100

173 26.4 7.7 47.7

215 48.2 27.7 67.7



#70

Pentachlorophenol

Concen: 4.178 ng

RT: 11.210 min Scan# 1550

Delta R.T. 0.000 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

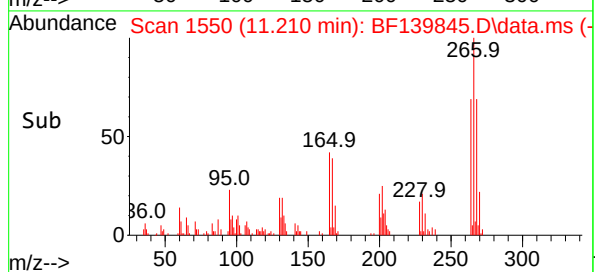
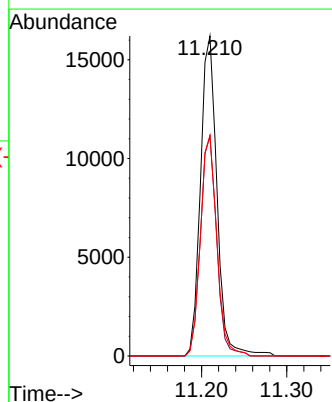
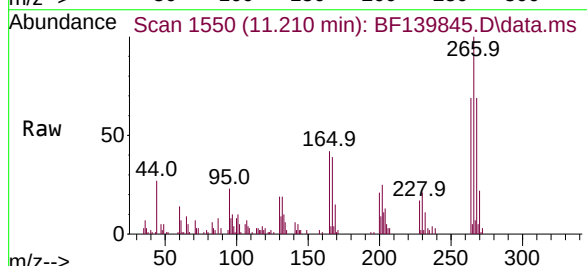
Tgt Ion:266 Resp: 21781

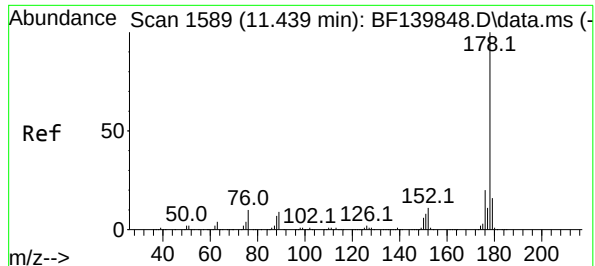
Ion Ratio Lower Upper

266 100

268 68.6 50.4 75.6

264 68.9 50.6 75.8

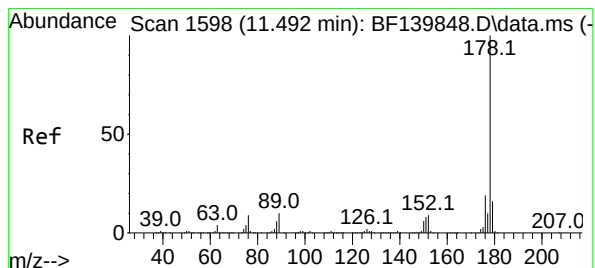
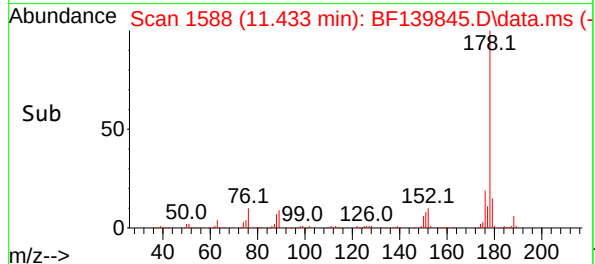
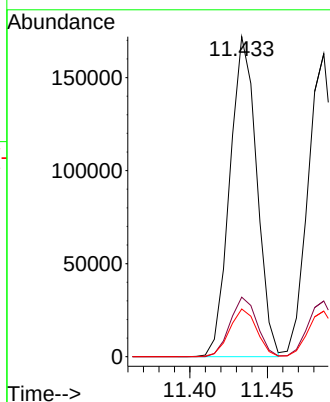
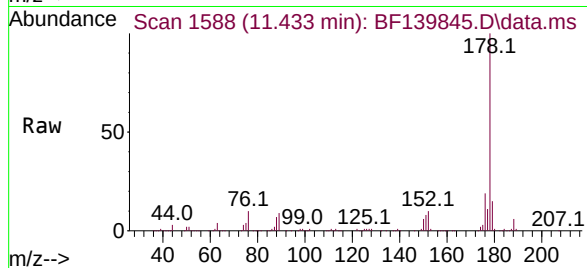




#71
Phenanthrene
Concen: 5.931 ng
RT: 11.433 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

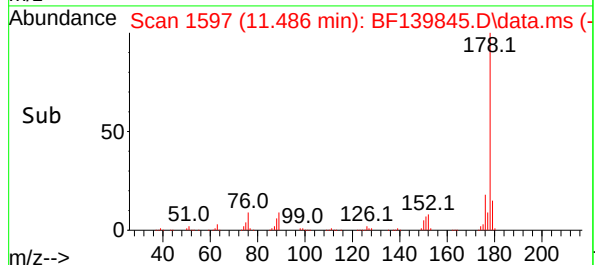
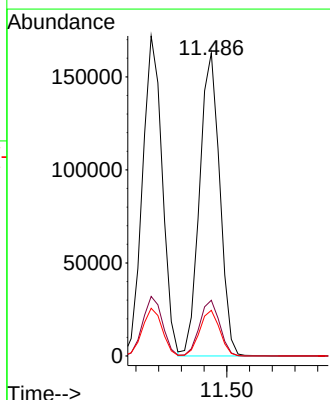
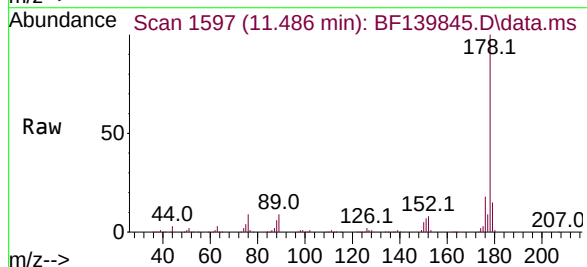
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

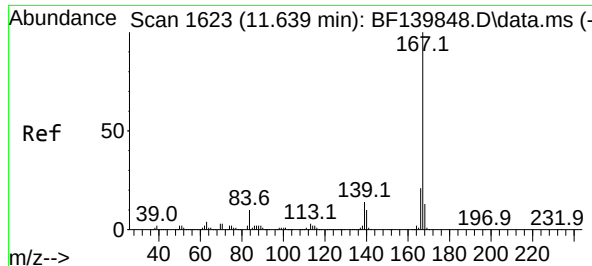
Tgt Ion:178 Resp: 207716
Ion Ratio Lower Upper
178 100
176 18.6 15.8 23.6
179 14.9 12.6 18.8



#72
Anthracene
Concen: 5.871 ng
RT: 11.486 min Scan# 1597
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion:178 Resp: 200621
Ion Ratio Lower Upper
178 100
176 18.4 15.3 22.9
179 15.0 12.4 18.6

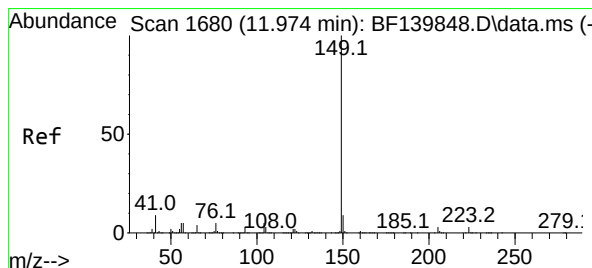
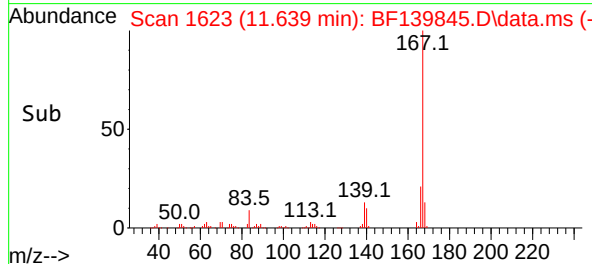
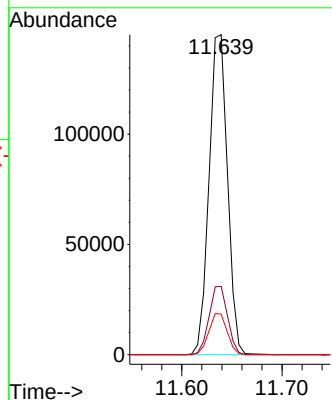
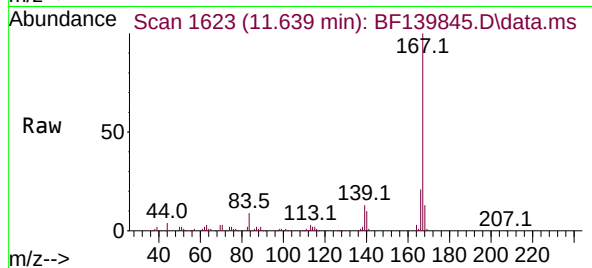




#73
Carbazole
Concen: 5.845 ng
RT: 11.639 min Scan# 1623
Delta R.T. 0.000 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

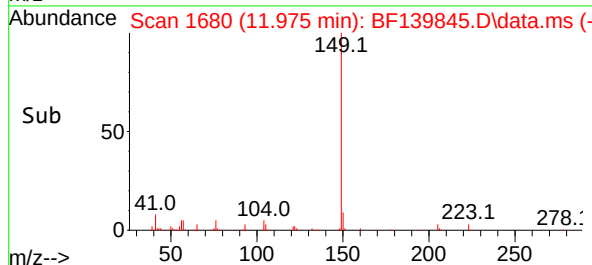
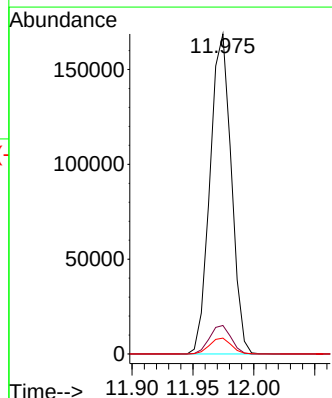
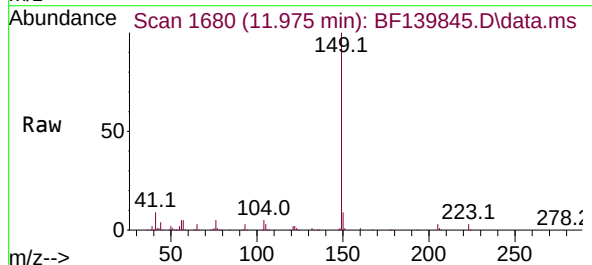
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

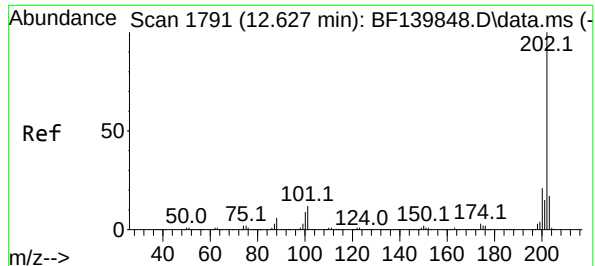
Tgt Ion:167 Resp: 185743
Ion Ratio Lower Upper
167 100
166 21.4 17.0 25.6
139 12.7 10.8 16.2



#74
Di-n-butylphthalate
Concen: 5.574 ng
RT: 11.975 min Scan# 1680
Delta R.T. 0.000 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion:149 Resp: 204647
Ion Ratio Lower Upper
149 100
150 8.9 7.5 11.3
104 5.0 4.1 6.1

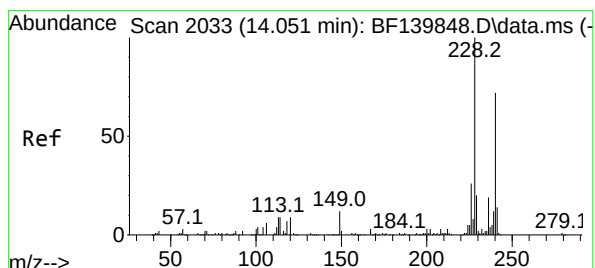
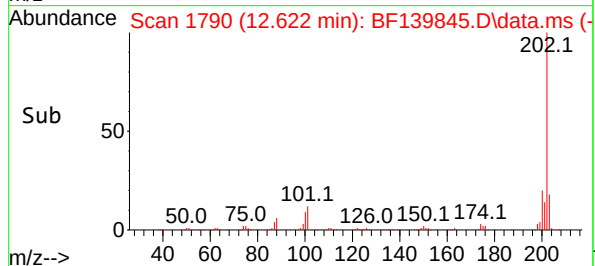
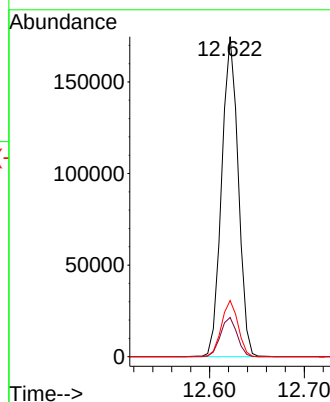
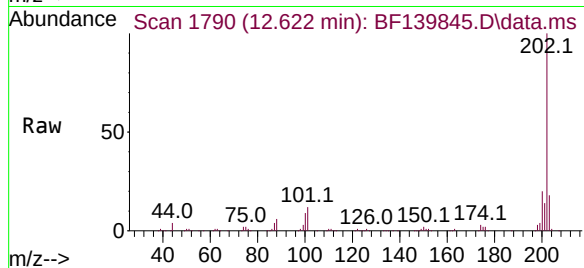




#75
Fluoranthene
Concen: 6.017 ng
RT: 12.622 min Scan# 1791
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

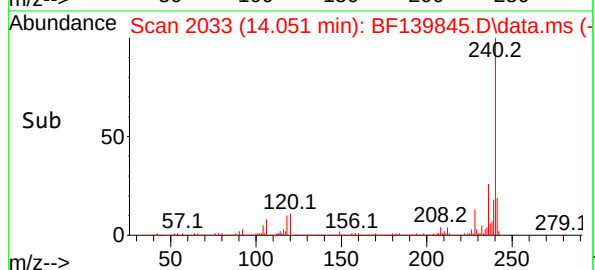
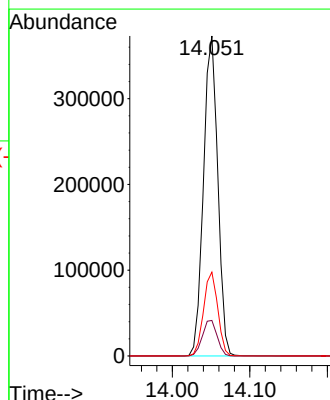
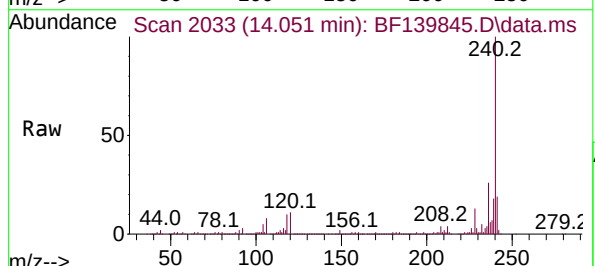
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

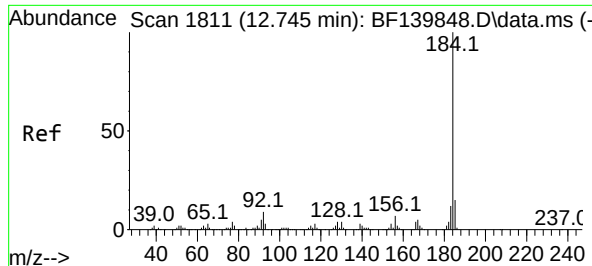
Tgt Ion:202 Resp: 213038
Ion Ratio Lower Upper
202 100
101 12.2 0.0 31.9
203 17.5 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion:240 Resp: 477223
Ion Ratio Lower Upper
240 100
120 11.1 9.4 14.2
236 26.2 20.9 31.3

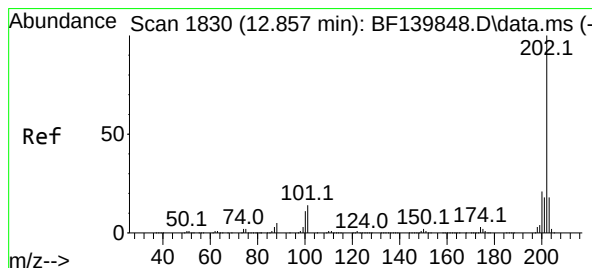
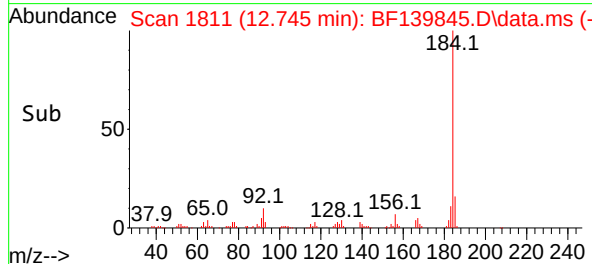
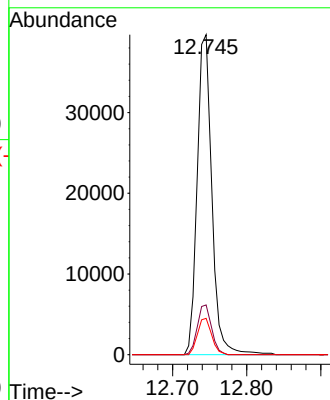
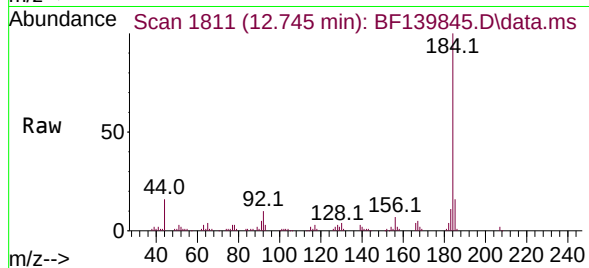




#77
Benzidine
Concen: 7.022 ng
RT: 12.745 min Scan# 1811
Delta R.T. 0.000 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

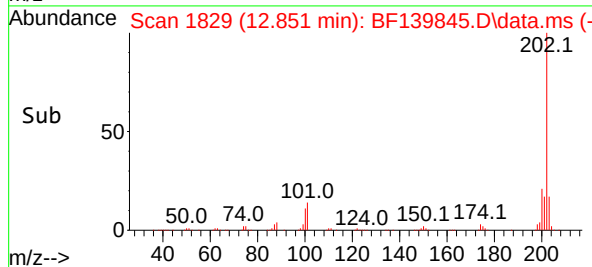
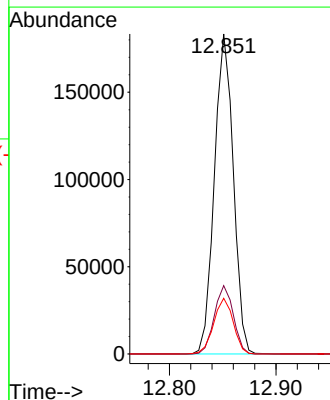
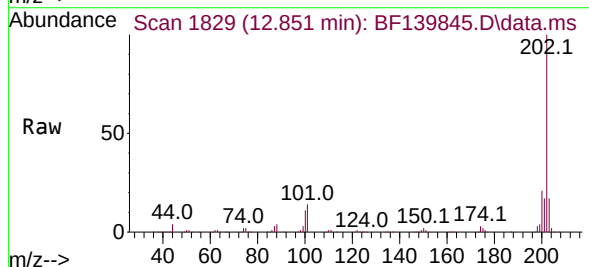
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

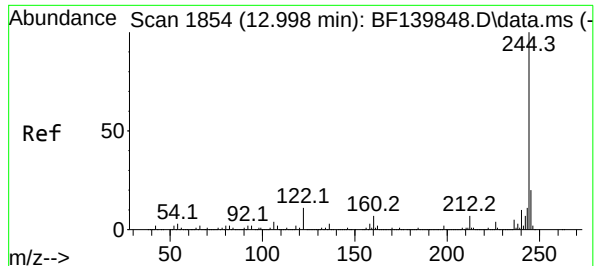
Tgt Ion	Ratio	Lower	Upper
184	100		
185	15.5	12.0	18.0
183	11.4	9.4	14.2



#78
Pyrene
Concen: 5.404 ng
RT: 12.851 min Scan# 1829
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.2	25.8
203	17.4	14.2	21.4





#79

Terphenyl-d14

Concen: 11.248 ng

RT: 12.992 min Scan# 1853

Delta R.T. -0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

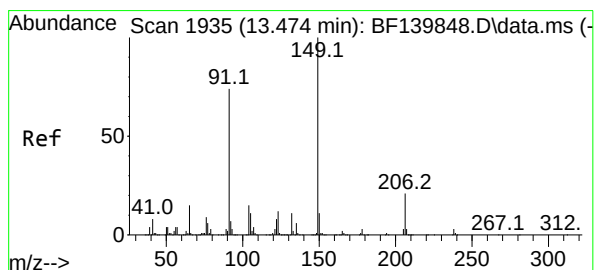
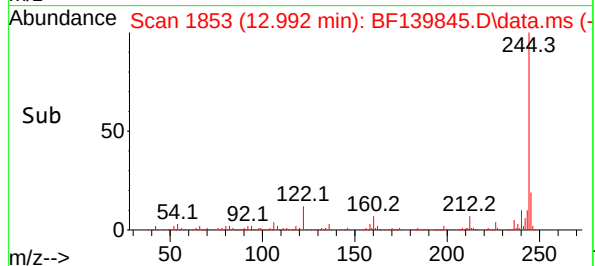
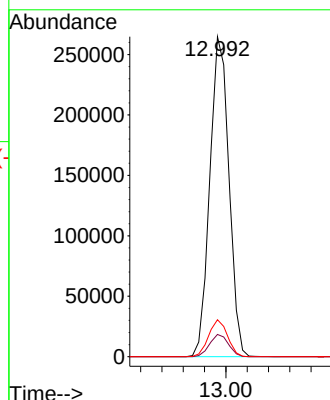
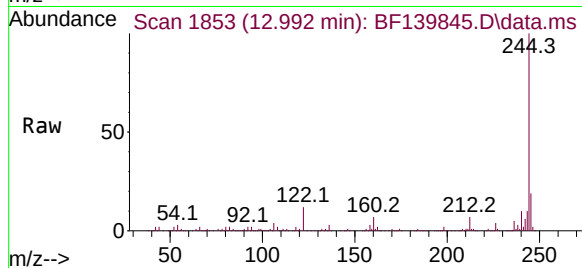
Tgt Ion:244 Resp: 329424

Ion Ratio Lower Upper

244 100

212 7.0 5.7 8.5

122 11.6 8.6 13.0



#80

Butylbenzylphthalate

Concen: 4.671 ng

RT: 13.474 min Scan# 1935

Delta R.T. 0.000 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

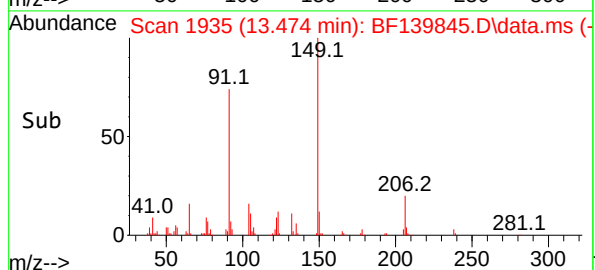
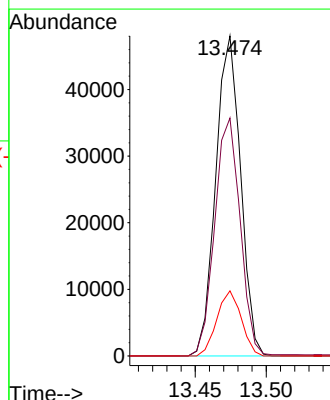
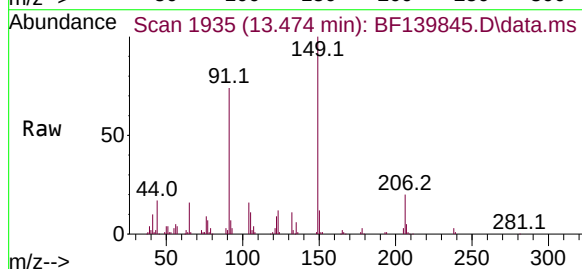
Tgt Ion:149 Resp: 58502

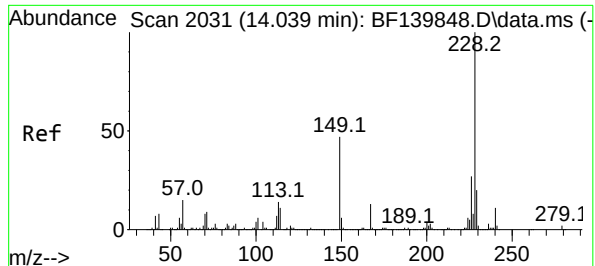
Ion Ratio Lower Upper

149 100

91 74.4 59.4 89.2

206 20.3 16.4 24.6

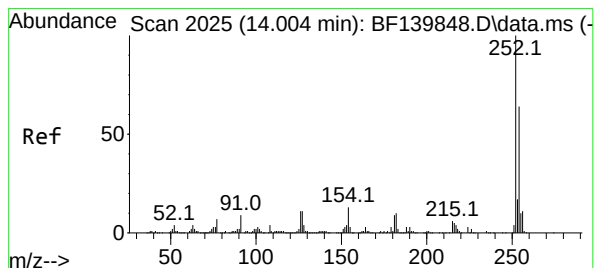
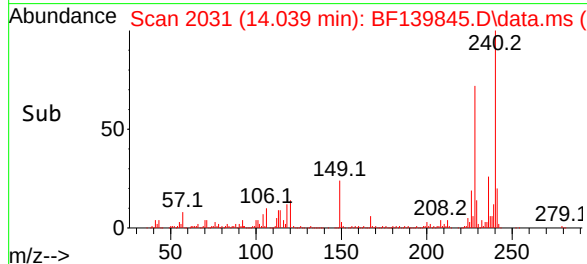
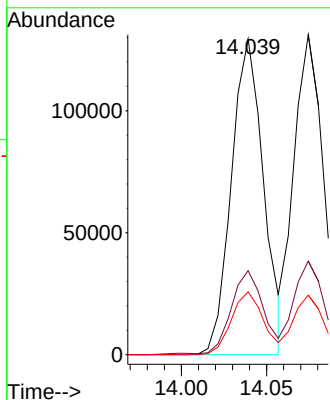
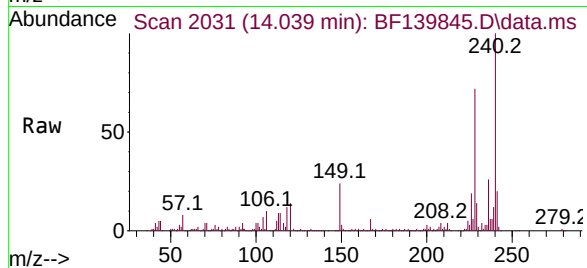




#81
Benzo(a)anthracene
Concen: 5.473 ng
RT: 14.039 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

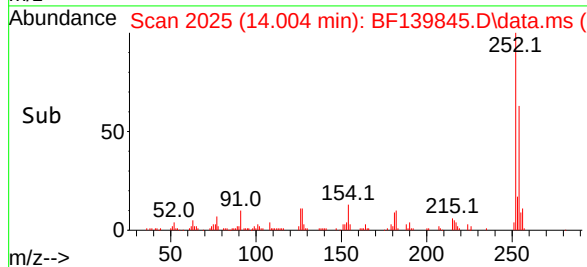
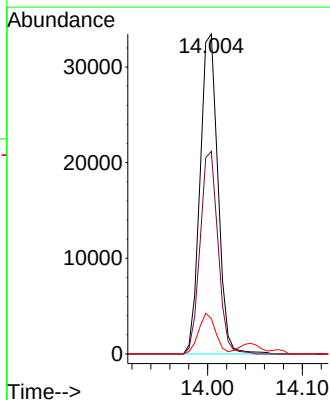
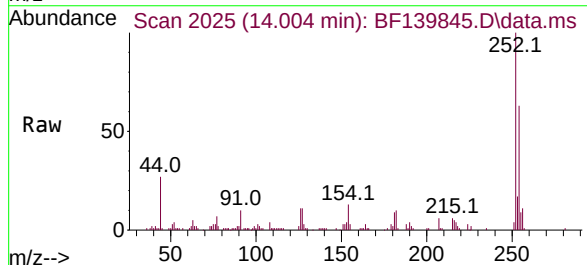
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

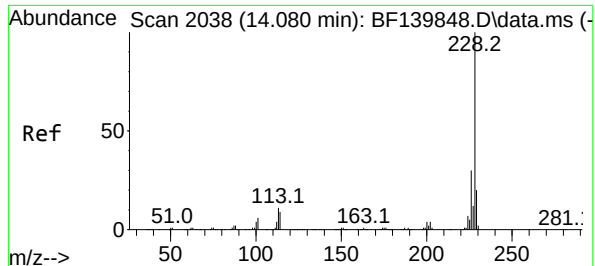
Tgt Ion:228 Resp: 170026
Ion Ratio Lower Upper
228 100
226 26.6 21.6 32.4
229 19.9 16.1 24.1



#82
3,3'-Dichlorobenzidine
Concen: 4.851 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion:252 Resp: 43937
Ion Ratio Lower Upper
252 100
254 63.3 50.8 76.2
126 11.1 8.9 13.3

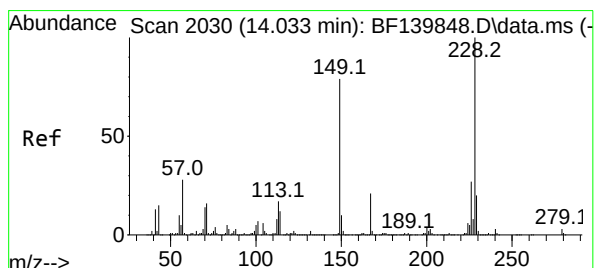
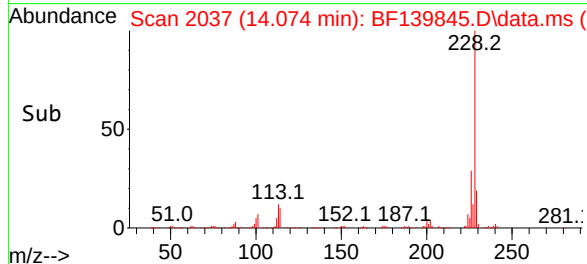
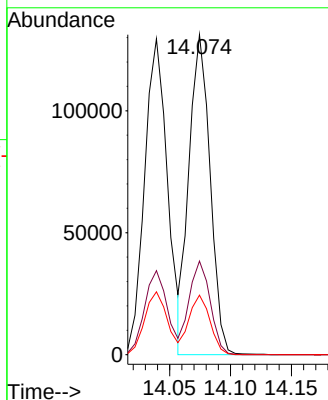
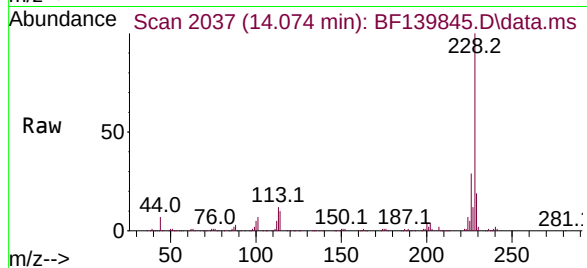




#83
Chrysene
Concen: 5.551 ng
RT: 14.074 min Scan# 2037
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

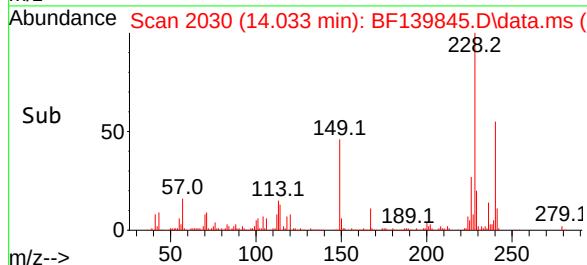
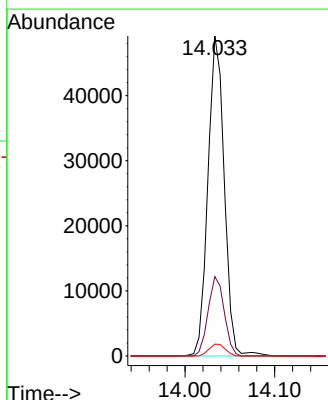
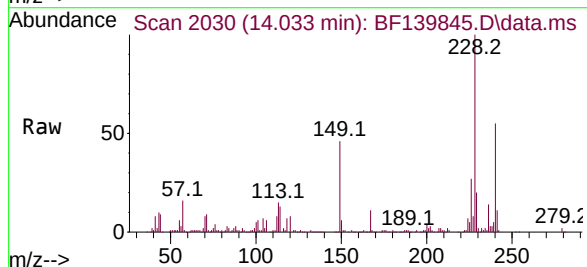
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

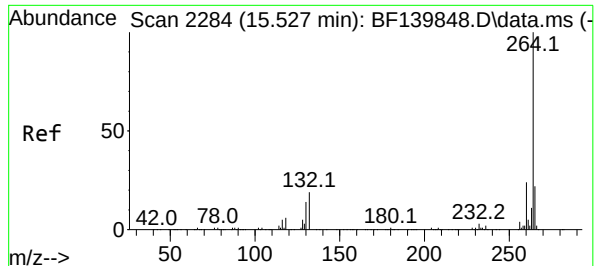
Tgt Ion:228 Resp: 158121
Ion Ratio Lower Upper
228 100
226 29.3 24.1 36.1
229 18.6 15.8 23.6



#84
Bis(2-ethylhexyl)phthalate
Concen: 4.419 ng
RT: 14.033 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion:149 Resp: 62085
Ion Ratio Lower Upper
149 100
167 24.8 21.4 32.0
279 3.7 3.0 4.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF139845.D

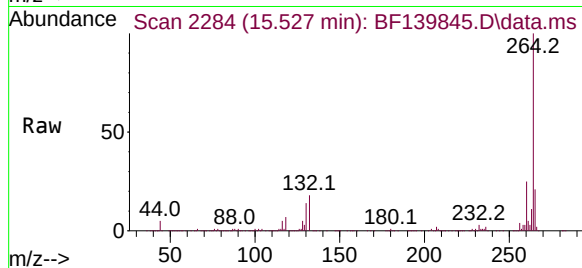
Acq: 18 Oct 2024 10:55

Instrument :

BNA_F

ClientSampleId :

SSTDICC005



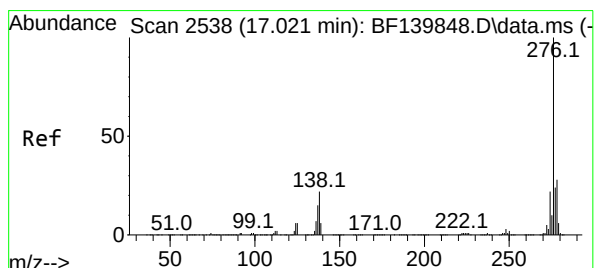
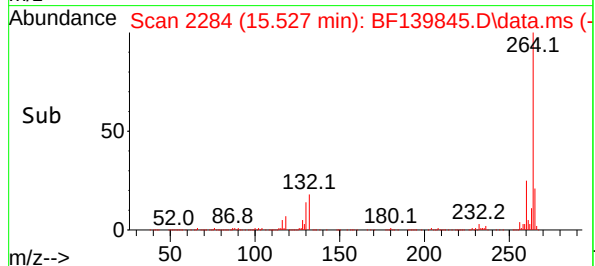
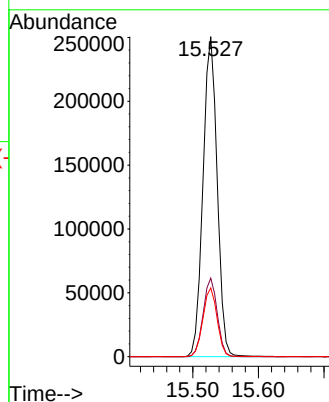
Tgt Ion:264 Resp: 377685

Ion Ratio Lower Upper

264 100

260 24.5 19.4 29.2

265 21.5 17.4 26.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.699 ng

RT: 17.010 min Scan# 2536

Delta R.T. -0.012 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

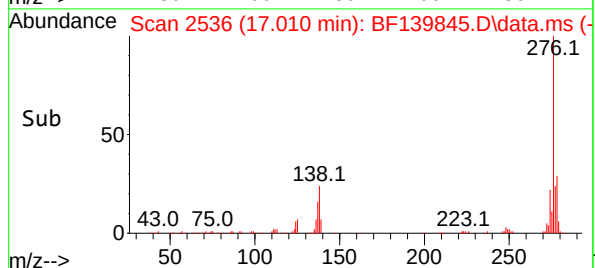
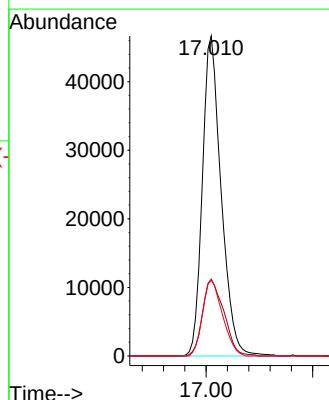
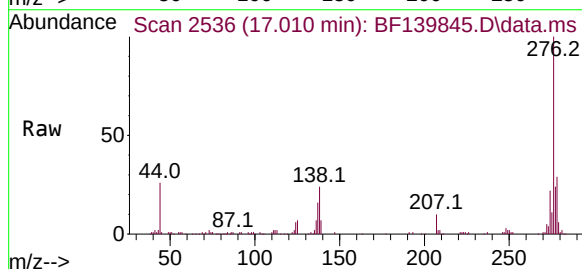
Tgt Ion:276 Resp: 114185

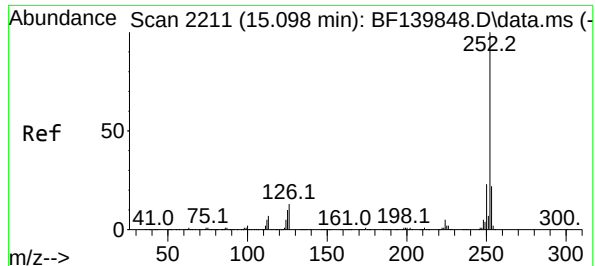
Ion Ratio Lower Upper

276 100

138 27.1 20.4 30.6

277 25.3 20.2 30.4

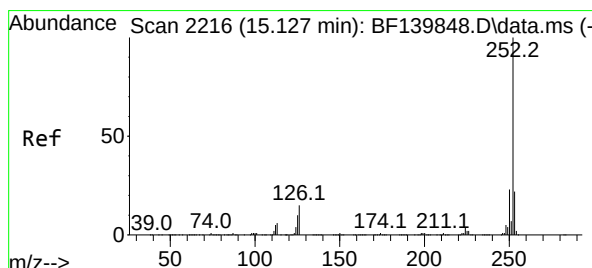
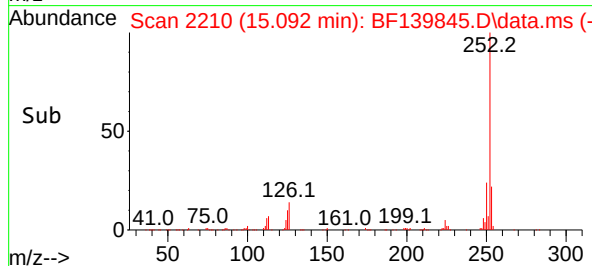
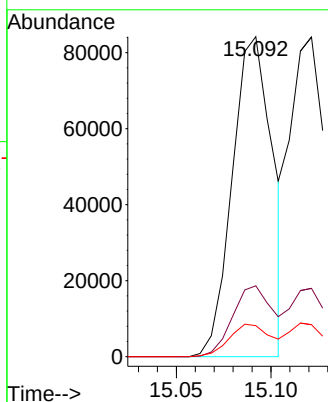
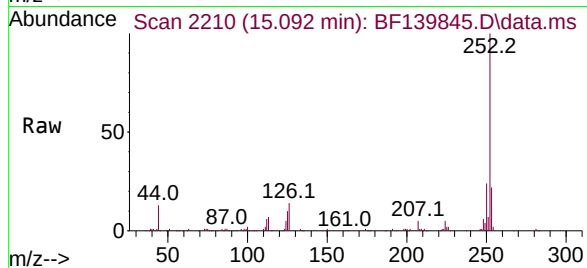




#88
Benzo(b)fluoranthene
Concen: 5.405 ng
RT: 15.092 min Scan# 211
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

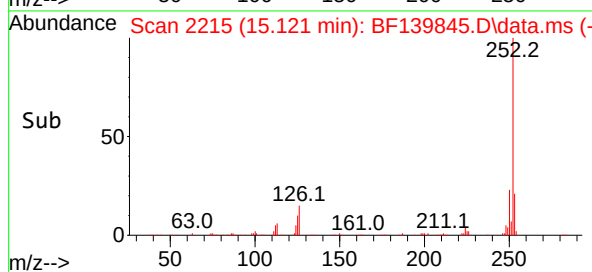
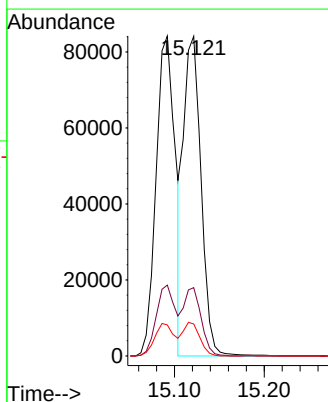
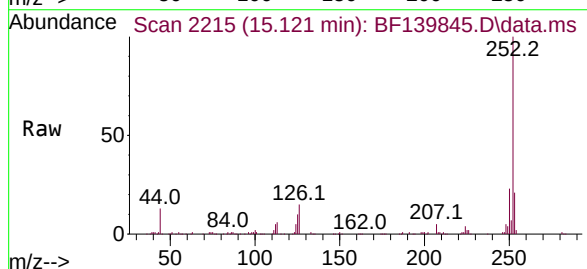
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

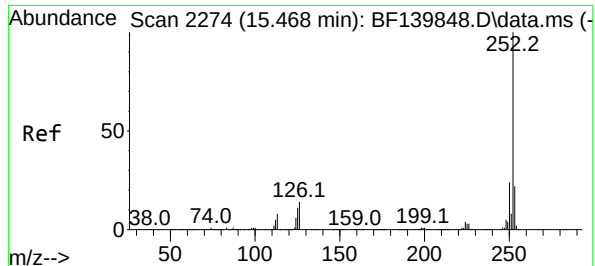
Tgt Ion:252 Resp: 124353
Ion Ratio Lower Upper
252 100
253 22.2 17.6 26.4
125 9.7 7.9 11.9



#89
Benzo(k)fluoranthene
Concen: 5.772 ng
RT: 15.121 min Scan# 2215
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion:252 Resp: 114525
Ion Ratio Lower Upper
252 100
253 21.4 17.6 26.4
125 10.0 7.9 11.9





#90

Benzo(a)pyrene

Concen: 5.137 ng

RT: 15.463 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

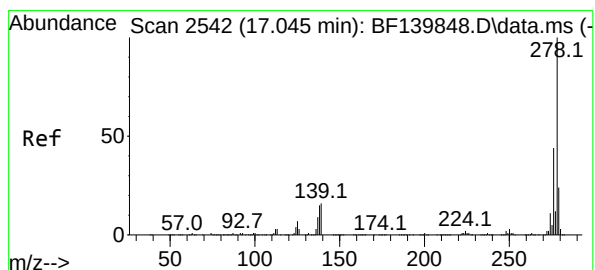
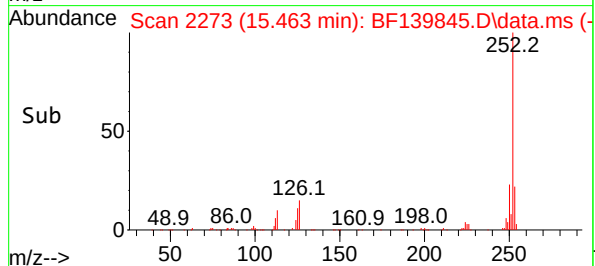
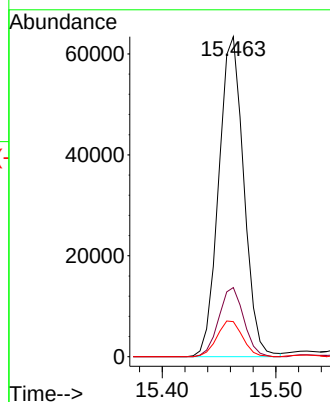
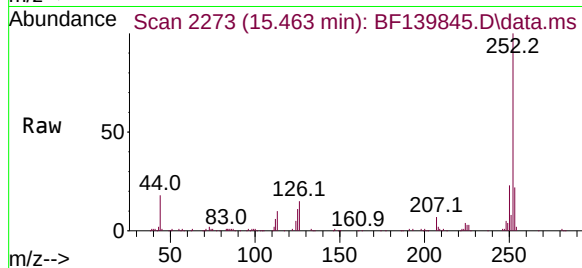
Tgt Ion:252 Resp: 97243

Ion Ratio Lower Upper

252 100

253 21.6 17.3 25.9

125 10.9 8.7 13.1



#91

Dibenzo(a,h)anthracene

Concen: 4.757 ng

RT: 17.033 min Scan# 2540

Delta R.T. -0.012 min

Lab File: BF139845.D

Acq: 18 Oct 2024 10:55

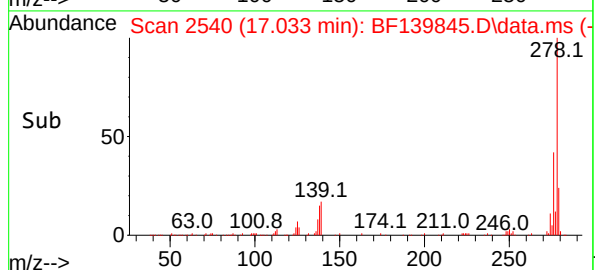
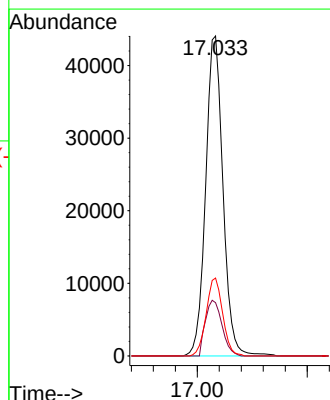
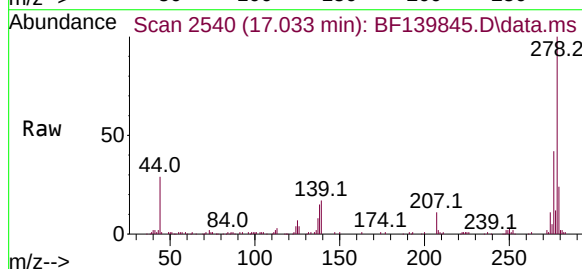
Tgt Ion:278 Resp: 96416

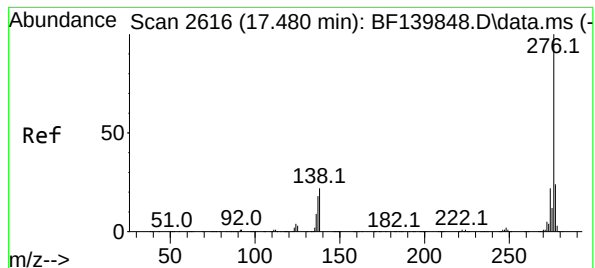
Ion Ratio Lower Upper

278 100

139 16.6 13.1 19.7

279 24.4 19.0 28.4





#92

Benzo(g,h,i)perylene

Concen: 4.805 ng

RT: 17.457 min Scan# 20

Delta R.T. -0.023 min

Lab File: BF139845.D

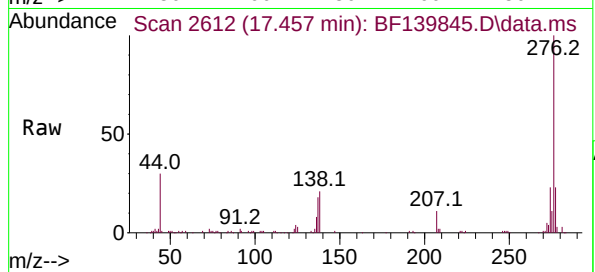
Acq: 18 Oct 2024 10:55

Instrument :

BNA_F

ClientSampleId :

SSTDICC005



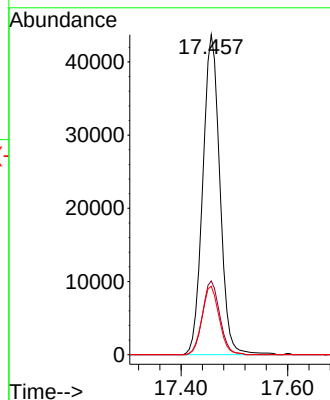
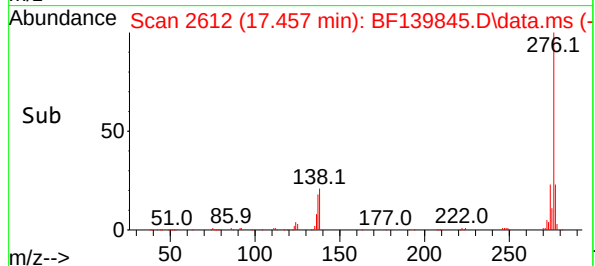
Tgt Ion:276 Resp: 97292

Ion Ratio Lower Upper

276 100

277 23.1 19.0 28.6

138 21.3 17.4 26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101824\
 Data File : BF139846.D
 Acq On : 18 Oct 2024 11:23
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC010

Quant Time: Oct 18 14:17:15 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 14:11:20 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	188831	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	733621	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	411556	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	732661	20.000	ng	0.00
76) Chrysene-d12	14.051	240	452443	20.000	ng	0.00
86) Perylene-d12	15.527	264	375863	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	264054	21.891	ng	0.00
7) Phenol-d6	6.498	99	343334	21.977	ng	-0.01
23) Nitrobenzene-d5	7.445	82	268128	20.257	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	80655	20.952	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	574563	23.073	ng	0.00
79) Terphenyl-d14	12.998	244	603787	21.745	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.681	88	58969	10.485	ng	97
3) Pyridine	3.440	79	148260	10.636	ng	97
4) n-Nitrosodimethylamine	3.375	42	75504	10.081	ng	96
6) Aniline	6.546	93	155680	10.692	ng	98
8) 2-Chlorophenol	6.669	128	134290	10.890	ng	99
9) Benzaldehyde	6.440	77	107330	12.213	ng	98
10) Phenol	6.510	94	172965	10.549	ng	98
11) bis(2-Chloroethyl)ether	6.616	93	134367	10.794	ng	100
12) 1,3-Dichlorobenzene	6.828	146	156338	11.045	ng	99
13) 1,4-Dichlorobenzene	6.904	146	154957	10.957	ng	99
14) 1,2-Dichlorobenzene	7.057	146	149129	11.299	ng	98
15) Benzyl Alcohol	7.022	79	122669	10.704	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.163	45	227443	10.715	ng	99
17) 2-Methylphenol	7.128	107	109901	10.452	ng	98
18) Hexachloroethane	7.404	117	53892	10.686	ng	99
19) n-Nitroso-di-n-propyla...	7.293	70	100635	10.621	ng	98
20) 3+4-Methylphenols	7.275	107	148497	11.041	ng	# 90
22) Acetophenone	7.293	105	195595	10.885	ng	96
24) Nitrobenzene	7.463	77	147356	10.154	ng	98
25) Isophorone	7.698	82	260247	10.359	ng	98
26) 2-Nitrophenol	7.781	139	50159	9.162	ng	100
27) 2,4-Dimethylphenol	7.810	122	94947	10.400	ng	99
28) bis(2-Chloroethoxy)met...	7.916	93	161423	10.605	ng	99
29) 2,4-Dichlorophenol	8.016	162	109102	10.492	ng	100
30) 1,2,4-Trichlorobenzene	8.110	180	121232	10.537	ng	99
31) Naphthalene	8.192	128	411053	10.864	ng	99
32) Benzoic acid	7.869	122	64294	8.075	ng	99
33) 4-Chloroaniline	8.234	127	140021	10.853	ng	100
34) Hexachlorobutadiene	8.310	225	75740	10.477	ng	99
35) Caprolactam	8.569	113	33908	10.256	ng	99
36) 4-Chloro-3-methylphenol	8.704	107	120339	10.452	ng	98
37) 2-Methylnaphthalene	8.881	142	252554	10.899	ng	99
38) 1-Methylnaphthalene	8.981	142	250609	11.023	ng	99
40) 1,2,4,5-Tetrachloroben...	9.045	216	119227	10.738	ng	99
41) Hexachlorocyclopentadiene	9.039	237	39754	10.290	ng	98
43) 2,4,6-Trichlorophenol	9.151	196	78578	9.996	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101824\
 Data File : BF139846.D
 Acq On : 18 Oct 2024 11:23
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC010

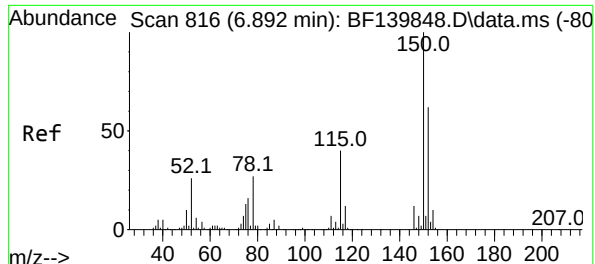
Quant Time: Oct 18 14:17:15 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 14:11:20 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.187	196	87482	10.787	ng	100
46) 1,1'-Biphenyl	9.345	154	316146	11.035	ng	99
47) 2-Chloronaphthalene	9.369	162	252140	10.927	ng	98
48) 2-Nitroaniline	9.457	65	65425	9.270	ng	98
49) Acenaphthylene	9.787	152	361398	10.833	ng	99
50) Dimethylphthalate	9.639	163	276645	10.792	ng	99
51) 2,6-Dinitrotoluene	9.698	165	54824	9.877	ng	95
52) Acenaphthene	9.957	154	233749	10.832	ng	98
53) 3-Nitroaniline	9.869	138	56574	9.884	ng	# 98
54) 2,4-Dinitrophenol	9.969	184	11577	11.138	ng	# 1
55) Dibenzofuran	10.128	168	341446	11.028	ng	98
56) 4-Nitrophenol	10.010	139	42688	9.694	ng	98
57) 2,4-Dinitrotoluene	10.098	165	64666	9.474	ng	94
58) Fluorene	10.475	166	269323	11.420	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	66170	10.408	ng	97
60) Diethylphthalate	10.345	149	269178	10.694	ng	100
61) 4-Chlorophenyl-phenyle...	10.469	204	131191	11.016	ng	97
62) 4-Nitroaniline	10.475	138	53288	9.857	ng	98
63) Azobenzene	10.622	77	284960	10.679	ng	100
65) 4,6-Dinitro-2-methylph...	10.504	198	20120	6.732	ng	97
66) n-Nitrosodiphenylamine	10.581	169	234741	10.705	ng	99
67) 4-Bromophenyl-phenylether	10.957	248	79420	10.522	ng	98
68) Hexachlorobenzene	11.016	284	89927	10.594	ng	98
69) Atrazine	11.104	200	64267	10.819	ng	99
70) Pentachlorophenol	11.210	266	50361	9.775	ng	100
71) Phenanthrene	11.433	178	379233	10.958	ng	99
72) Anthracene	11.486	178	371391	10.999	ng	99
73) Carbazole	11.639	167	353253	11.249	ng	99
74) Di-n-butylphthalate	11.975	149	392482	10.818	ng	99
75) Fluoranthene	12.622	202	405919	11.602	ng	99
77) Benzidine	12.745	184	104253	14.168	ng	99
78) Pyrene	12.851	202	413606	10.444	ng	99
80) Butylbenzylphthalate	13.474	149	116053	9.774	ng	100
81) Benzo(a)anthracene	14.039	228	306594	10.410	ng	99
82) 3,3'-Dichlorobenzidine	14.004	252	84205	9.806	ng	99
83) Chrysene	14.074	228	281467	10.423	ng	99
84) Bis(2-ethylhexyl)phtha...	14.033	149	121932	9.153	ng	99
85) Di-n-octyl phthalate	14.651	149	177824	7.339	ng	99
87) Indeno(1,2,3-cd)pyrene	17.010	276	236914	9.798	ng	99
88) Benzo(b)fluoranthene	15.092	252	232988	10.176	ng	99
89) Benzo(k)fluoranthene	15.121	252	221219	11.203	ng	99
90) Benzo(a)pyrene	15.463	252	192493	10.217	ng	100
91) Dibenzo(a,h)anthracene	17.033	278	199946	9.912	ng	99
92) Benzo(g,h,i)perylene	17.457	276	196609	9.758	ng	99

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

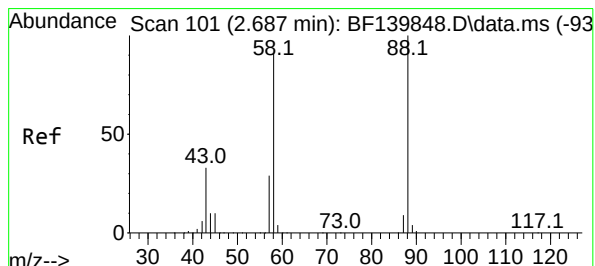
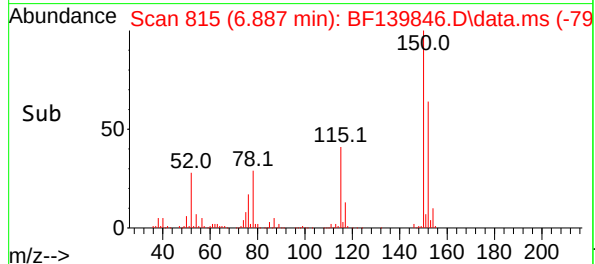
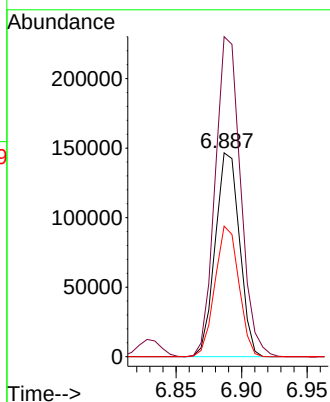
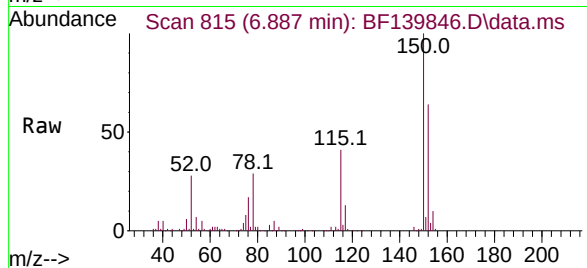
[illegible]



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 81
Delta R.T. -0.005 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

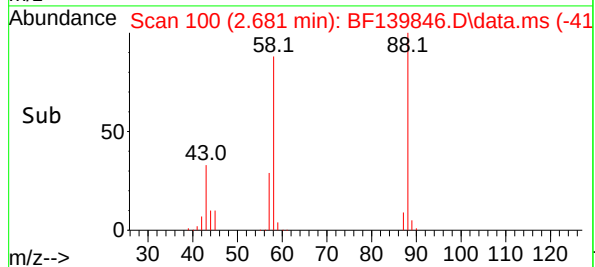
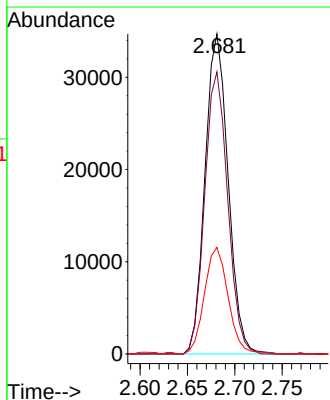
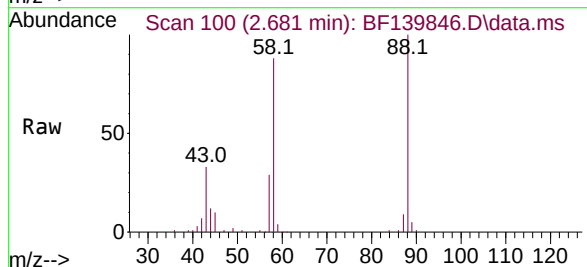
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

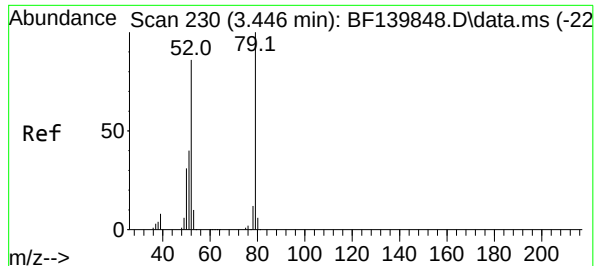
Tgt Ion:152 Resp: 188831
Ion Ratio Lower Upper
152 100
150 157.0 130.2 195.2
115 64.1 51.4 77.2



#2
1,4-Dioxane
Concen: 10.485 ng
RT: 2.681 min Scan# 100
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion: 88 Resp: 58969
Ion Ratio Lower Upper
88 100
58 87.5 73.3 109.9
43 34.3 27.1 40.7





#3

Pyridine

Concen: 10.636 ng

RT: 3.440 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

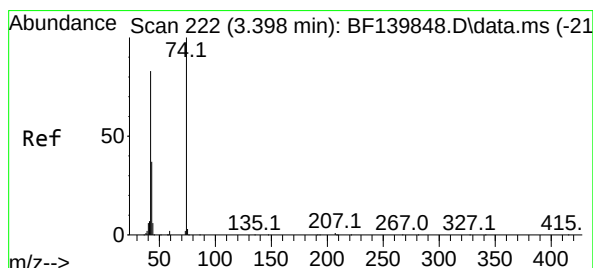
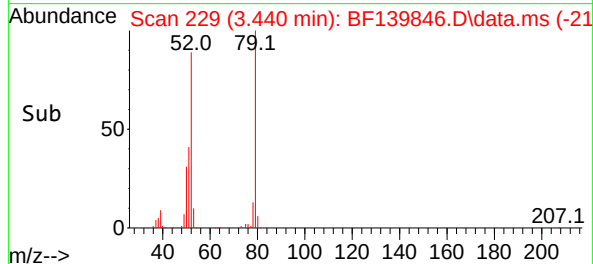
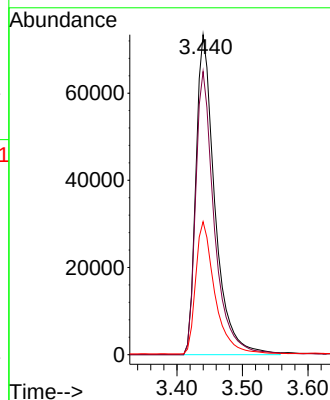
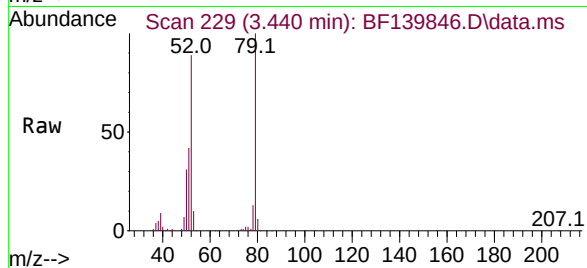
Tgt Ion: 79 Resp: 148260

Ion Ratio Lower Upper

79 100

52 88.5 68.5 102.7

51 41.6 32.3 48.5



#4

n-Nitrosodimethylamine

Concen: 10.081 ng

RT: 3.375 min Scan# 218

Delta R.T. -0.023 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

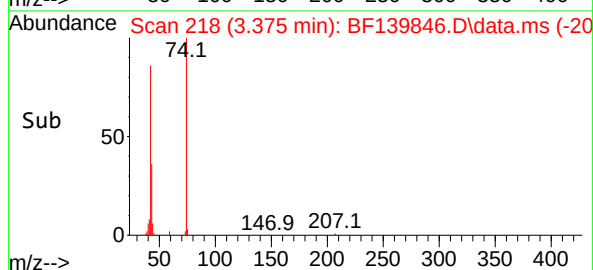
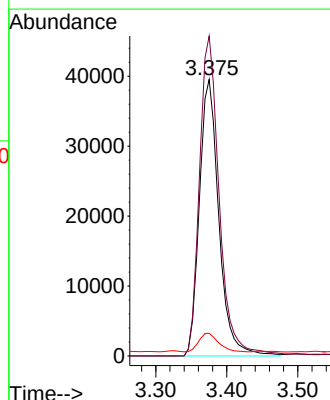
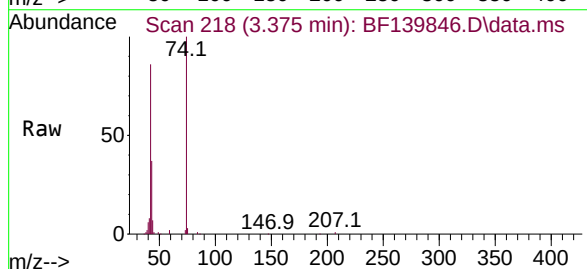
Tgt Ion: 42 Resp: 75504

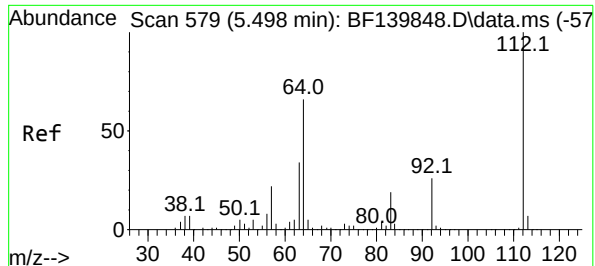
Ion Ratio Lower Upper

42 100

74 115.8 96.2 144.4

44 8.2 6.2 9.2

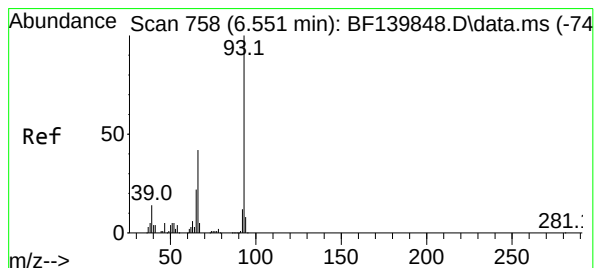
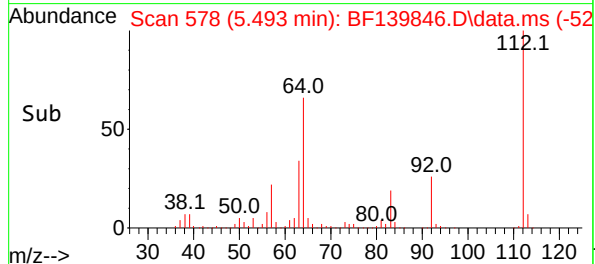
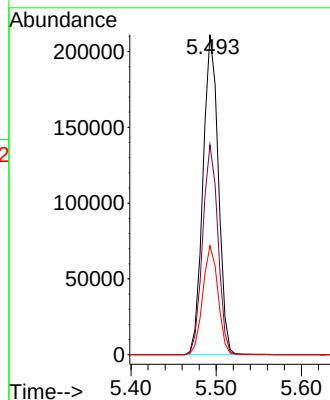
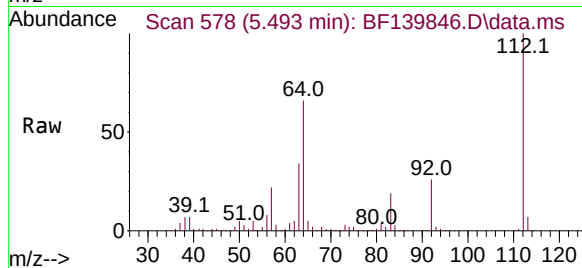




#5
2-Fluorophenol
Concen: 21.891 ng
RT: 5.493 min Scan# 51
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

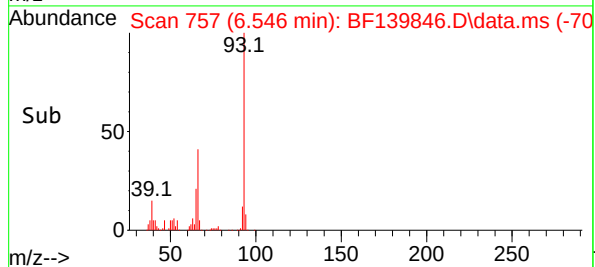
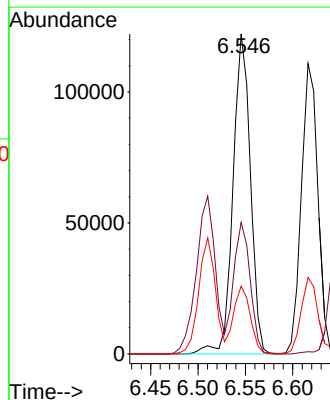
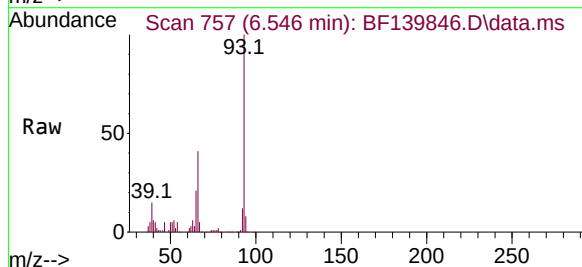
Instrument :
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ClientSampleId :
SSTDICC010

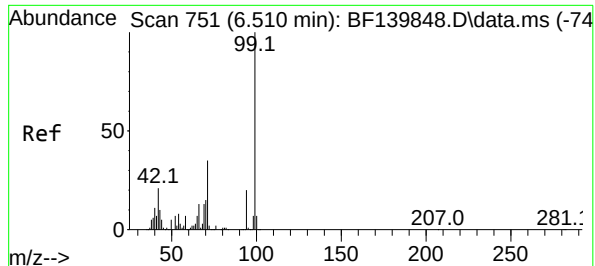
Tgt Ion:112 Resp: 264054
Ion Ratio Lower Upper
112 100
64 65.6 53.0 79.6
63 34.0 27.0 40.4



#6
Aniline
Concen: 10.692 ng
RT: 6.546 min Scan# 757
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion: 93 Resp: 155680
Ion Ratio Lower Upper
93 100
66 41.1 34.0 51.0
65 21.2 17.4 26.0

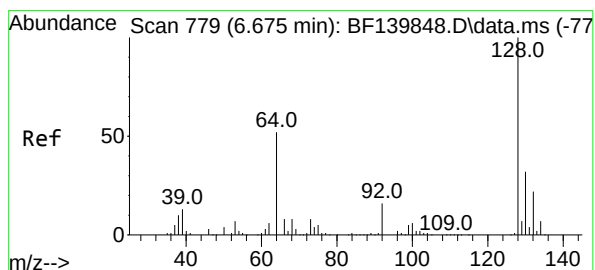
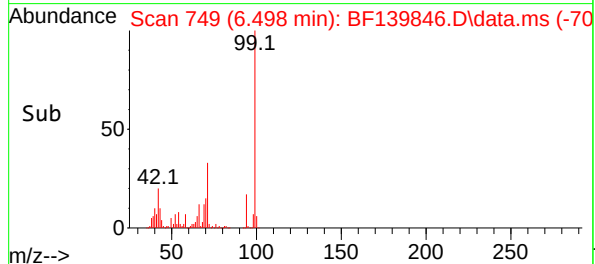
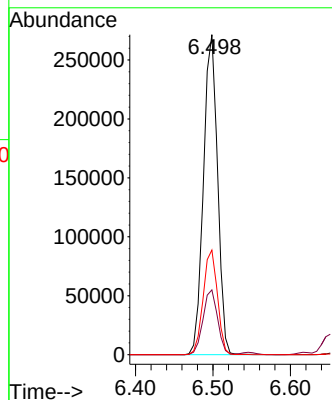
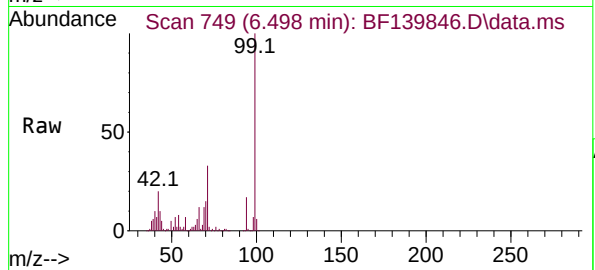




#7
Phenol-d6
Concen: 21.977 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.012 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

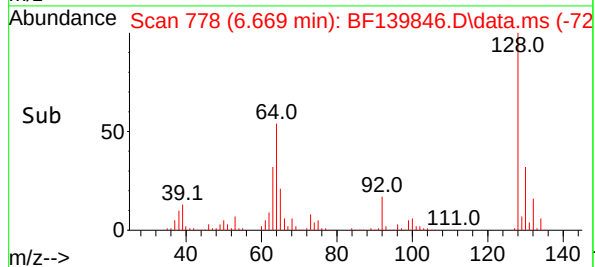
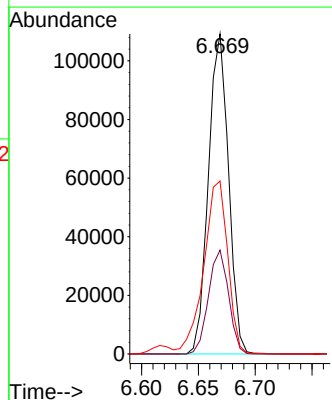
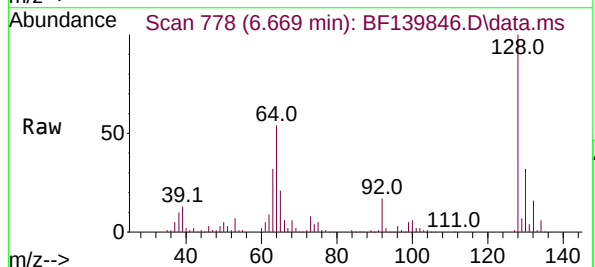
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

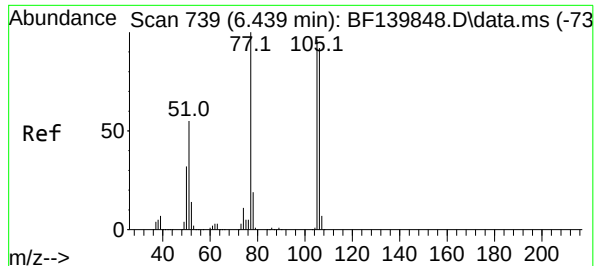
Tgt Ion: 99 Resp: 343334
Ion Ratio Lower Upper
99 100
42 20.3 16.7 25.1
71 32.7 27.7 41.5



#8
2-Chlorophenol
Concen: 10.890 ng
RT: 6.669 min Scan# 778
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion: 128 Resp: 134290
Ion Ratio Lower Upper
128 100
130 32.4 12.3 52.3
64 54.1 34.6 74.6





#9

Benzaldehyde

Concen: 12.213 ng

RT: 6.440 min Scan# 710

Delta R.T. 0.001 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

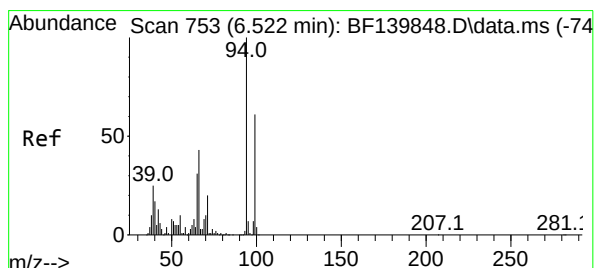
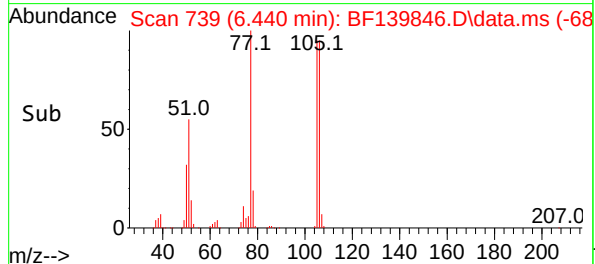
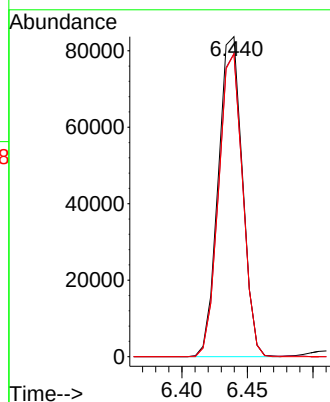
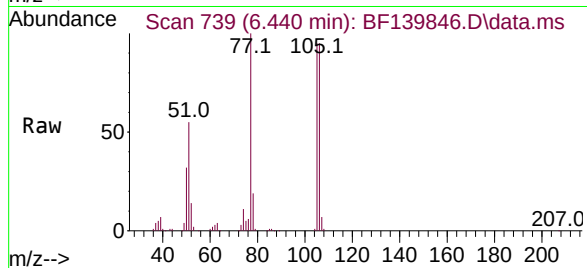
Tgt Ion: 77 Resp: 107330

Ion Ratio Lower Upper

77 100

105 94.7 75.5 115.5

106 94.6 71.7 111.7



#10

Phenol

Concen: 10.549 ng

RT: 6.510 min Scan# 751

Delta R.T. -0.012 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

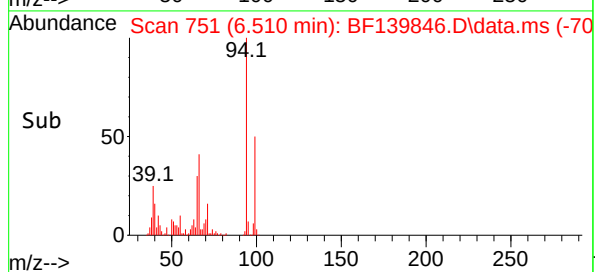
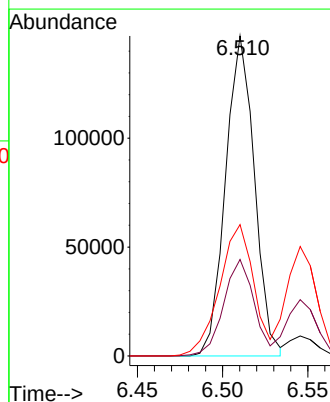
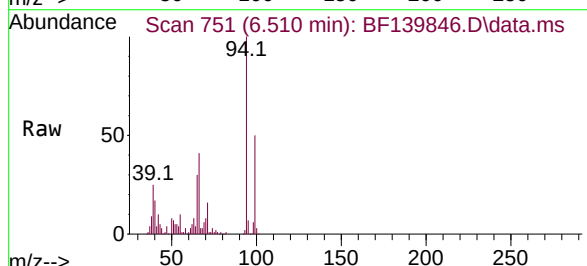
Tgt Ion: 94 Resp: 172965

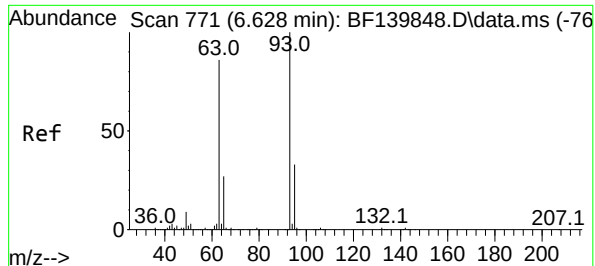
Ion Ratio Lower Upper

94 100

65 30.1 11.1 51.1

66 41.0 22.7 62.7

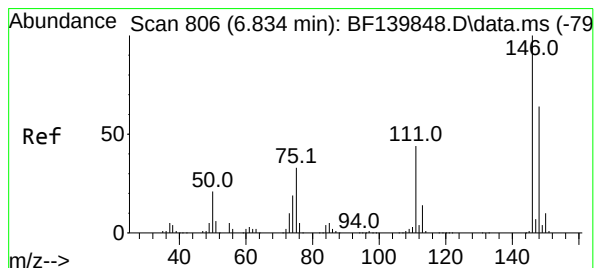
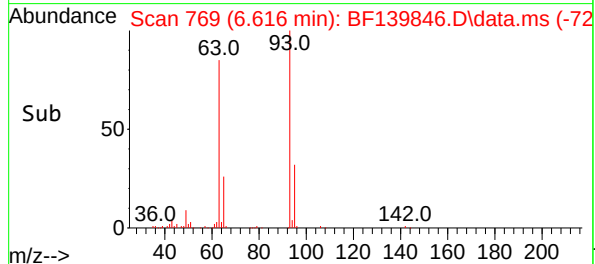
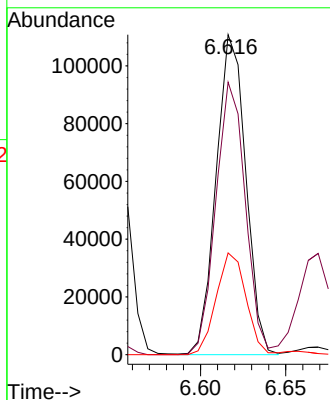
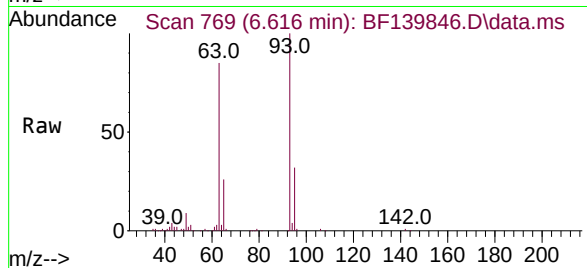




#11
bis(2-Chloroethyl)ether
Concen: 10.794 ng
RT: 6.616 min Scan# 771
Delta R.T. -0.012 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

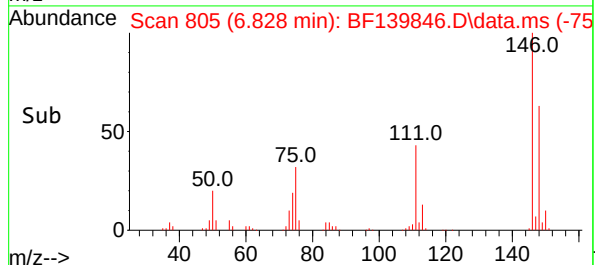
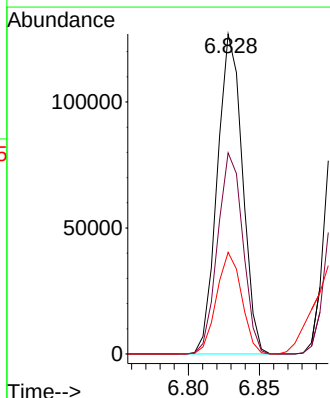
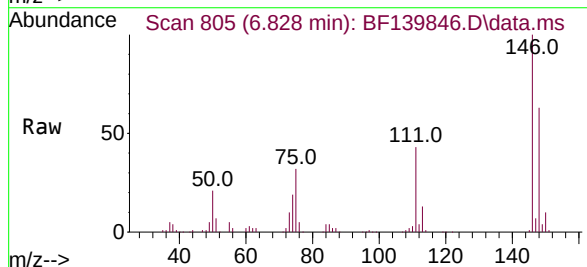
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SSTDICC010

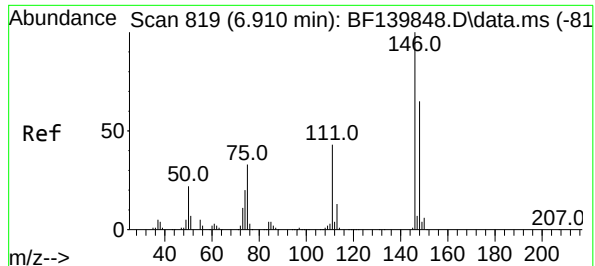
Tgt Ion: 93 Resp: 134367
Ion Ratio Lower Upper
93 100
63 85.2 65.0 105.0
95 31.8 12.4 52.4



#12
1,3-Dichlorobenzene
Concen: 11.045 ng
RT: 6.828 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion: 146 Resp: 156338
Ion Ratio Lower Upper
146 100
148 62.9 51.0 76.4
75 31.8 26.4 39.6





#13

1,4-Dichlorobenzene

Concen: 10.957 ng

RT: 6.904 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

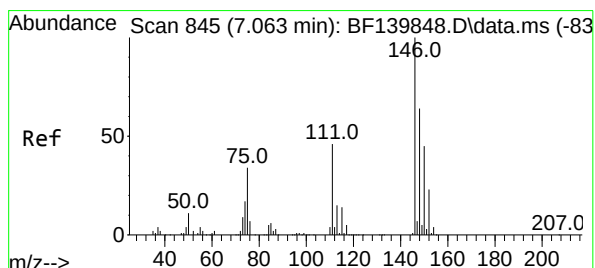
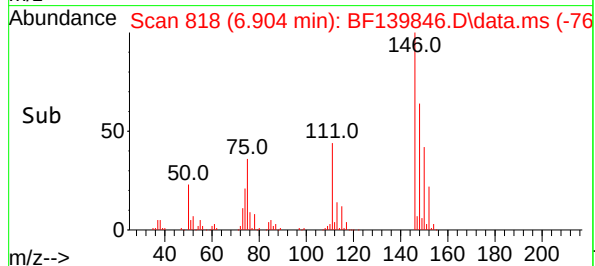
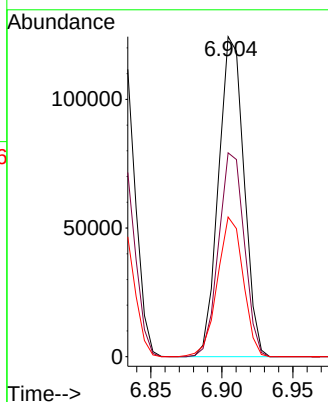
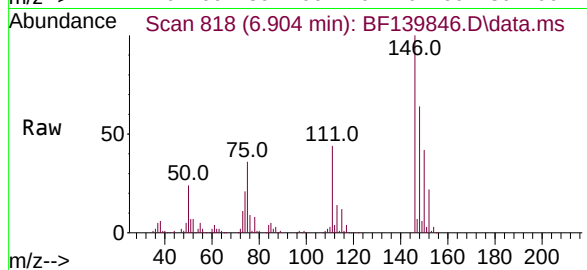
Tgt Ion:146 Resp: 154957

Ion Ratio Lower Upper

146 100

148 63.7 51.8 77.8

111 43.7 34.6 51.8



#14

1,2-Dichlorobenzene

Concen: 11.299 ng

RT: 7.057 min Scan# 844

Delta R.T. -0.006 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

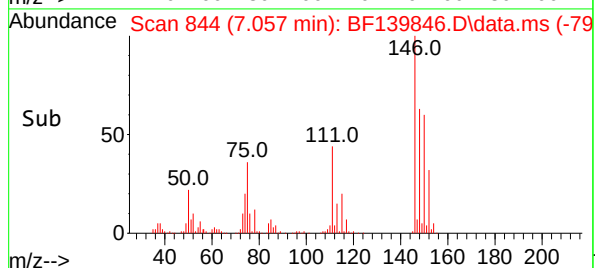
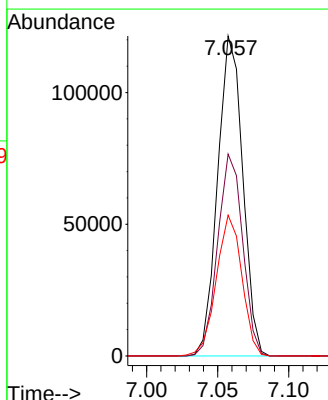
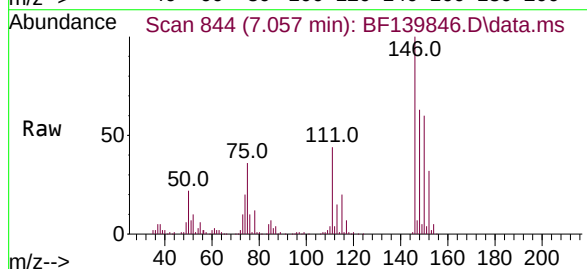
Tgt Ion:146 Resp: 149129

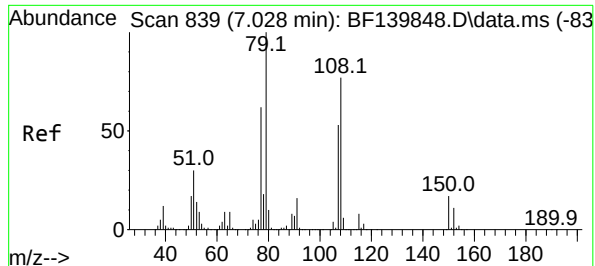
Ion Ratio Lower Upper

146 100

148 63.1 51.4 77.2

111 44.0 36.7 55.1

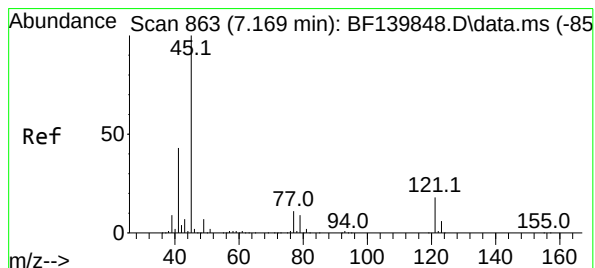
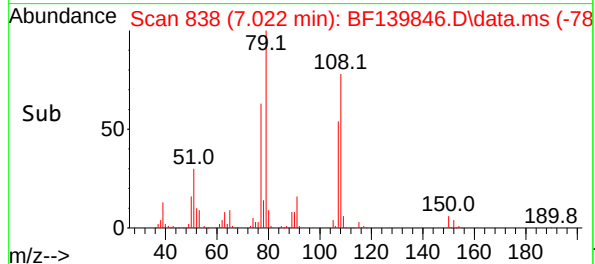
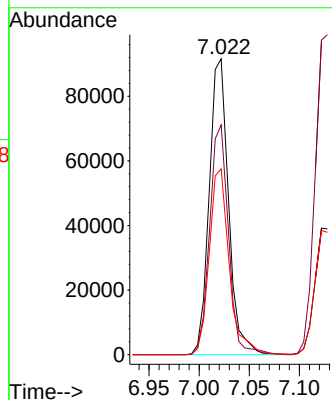
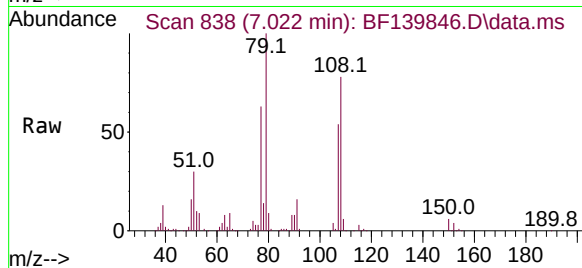




#15
Benzyl Alcohol
Concen: 10.704 ng
RT: 7.022 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

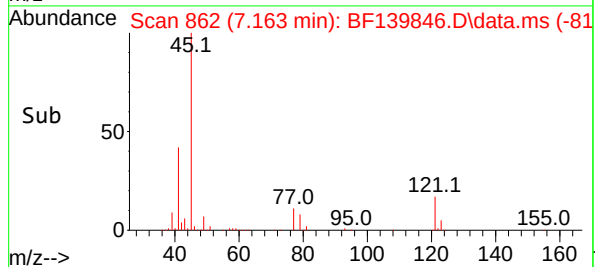
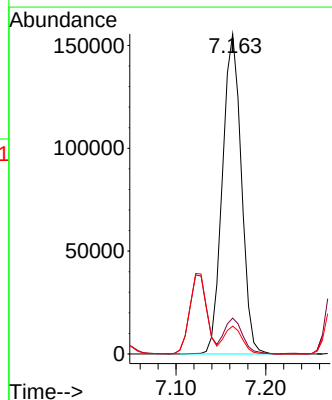
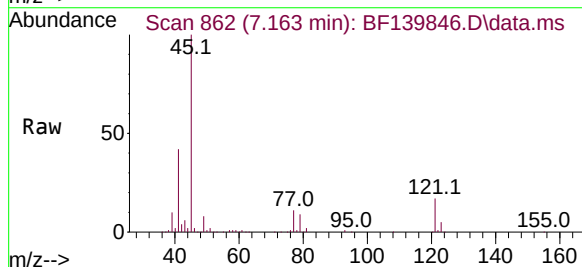
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

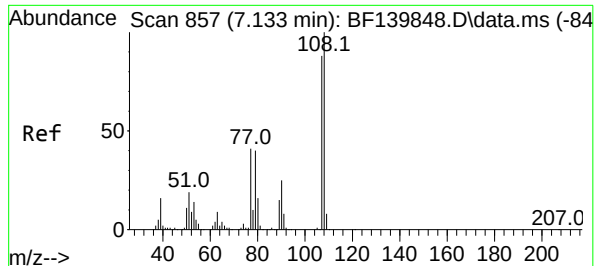
Tgt Ion: 79 Resp: 122669
Ion Ratio Lower Upper
79 100
108 77.7 61.4 92.0
77 62.8 49.9 74.9



#16
2,2'-oxybis(1-chloropropane)
Concen: 10.715 ng
RT: 7.163 min Scan# 862
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

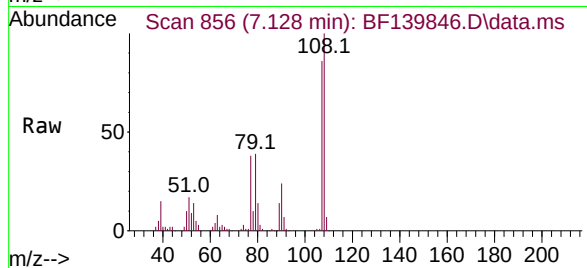
Tgt Ion: 45 Resp: 227443
Ion Ratio Lower Upper
45 100
77 11.2 0.0 31.5
79 8.7 0.0 29.1



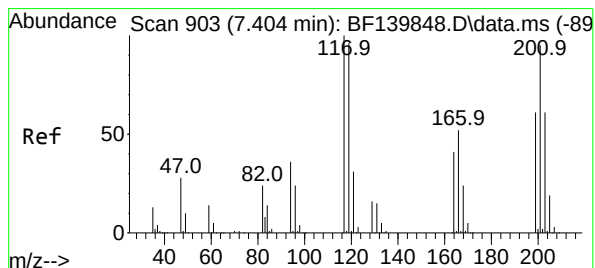
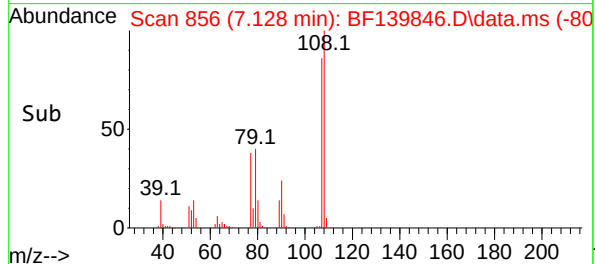
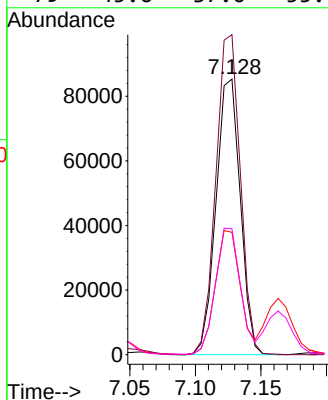


#17
2-Methylphenol
Concen: 10.452 ng
RT: 7.128 min Scan# 856
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

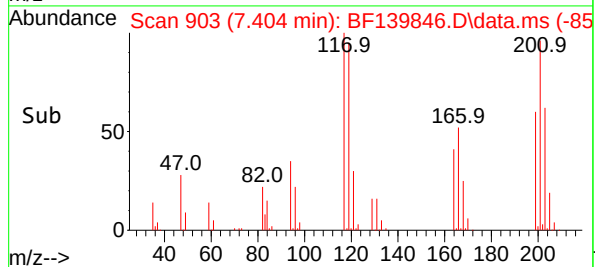
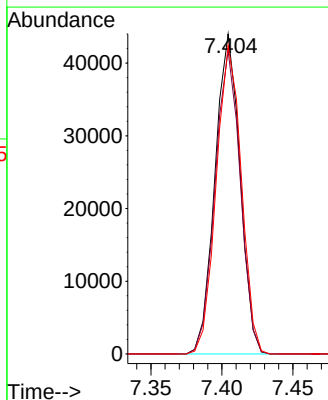
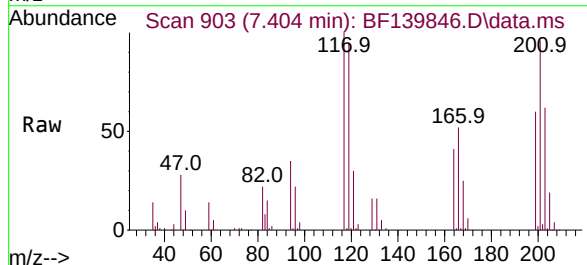


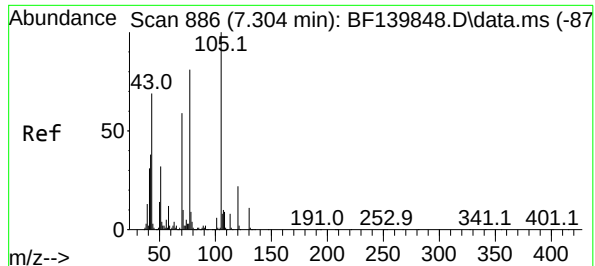
Tgt Ion:107 Resp: 109901
Ion Ratio Lower Upper
107 100
108 116.1 91.3 136.9
77 44.4 37.1 55.7
79 45.6 37.0 55.6



#18
Hexachloroethane
Concen: 10.686 ng
RT: 7.404 min Scan# 903
Delta R.T. 0.000 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion:117 Resp: 53892
Ion Ratio Lower Upper
117 100
119 94.7 77.0 115.4
201 96.4 76.2 114.4

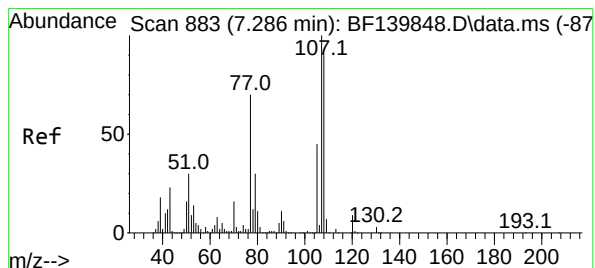
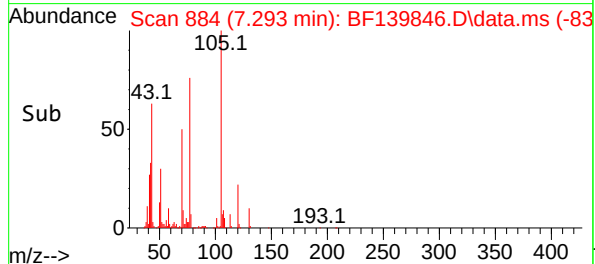
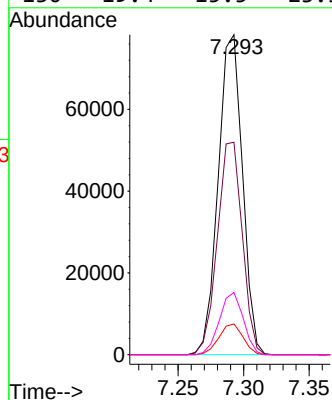
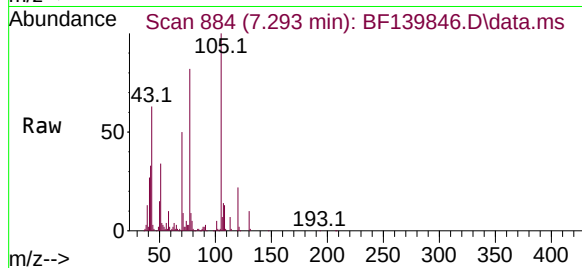




#19
n-Nitroso-di-n-propylamine
Concen: 10.621 ng
RT: 7.293 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

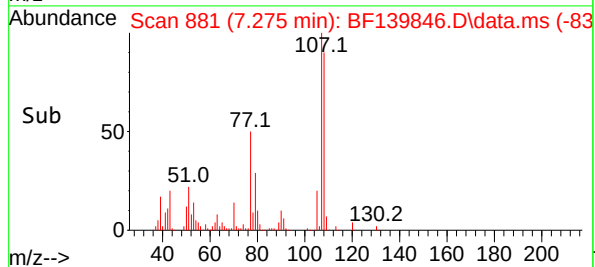
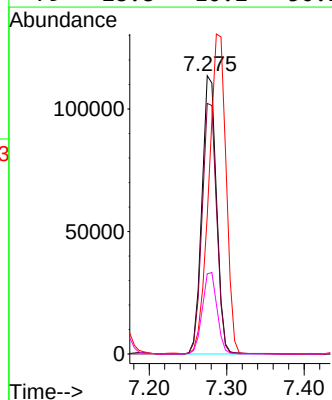
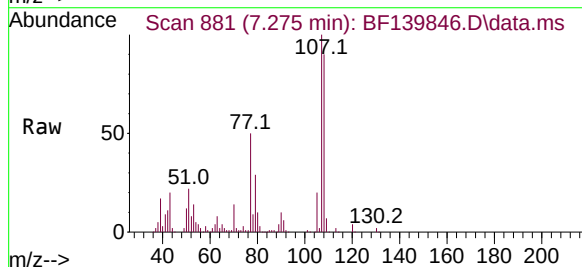
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

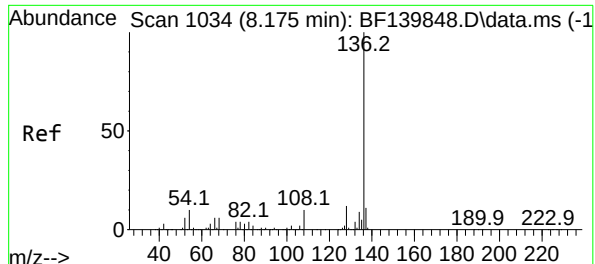
Tgt Ion: 70 Resp: 100635
Ion Ratio Lower Upper
70 100
42 66.4 51.5 77.3
101 9.6 7.5 11.3
130 19.4 15.5 23.3



#20
3+4-Methylphenols
Concen: 11.041 ng
RT: 7.275 min Scan# 881
Delta R.T. -0.012 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion: 107 Resp: 148497
Ion Ratio Lower Upper
107 100
108 90.1 69.8 109.8
77 49.6 50.5 90.5#
79 28.8 10.2 50.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.169 min Scan# 1033

Delta R.T. -0.006 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:136 Resp: 733621

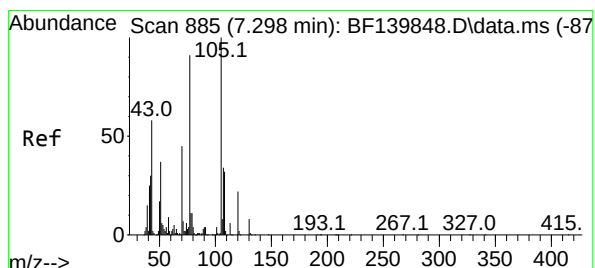
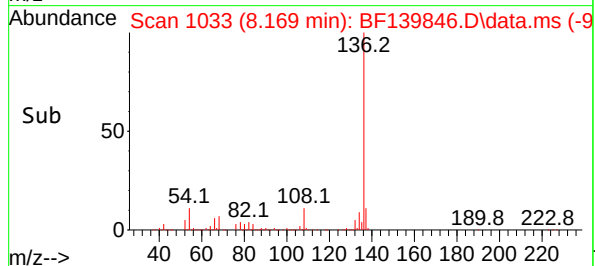
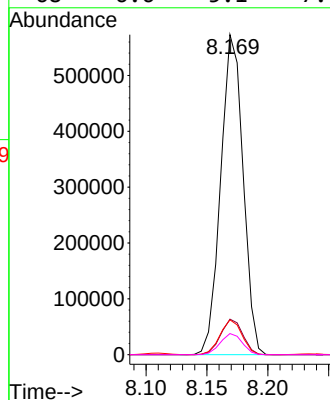
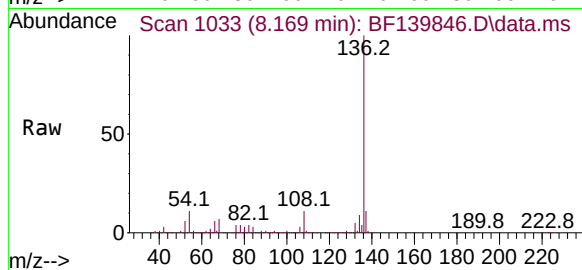
Ion Ratio Lower Upper

136 100

137 11.1 8.6 12.8

54 10.9 8.4 12.6

68 6.6 5.1 7.7



#22

Acetophenone

Concen: 10.885 ng

RT: 7.293 min Scan# 884

Delta R.T. -0.006 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

Tgt Ion:105 Resp: 195595

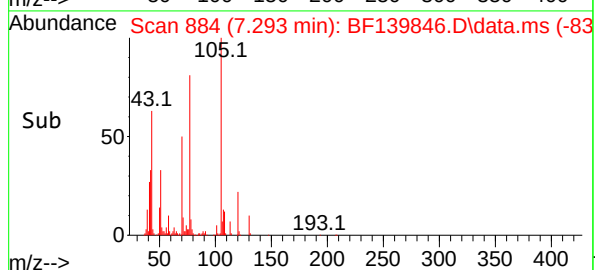
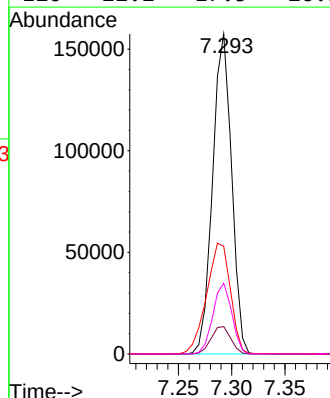
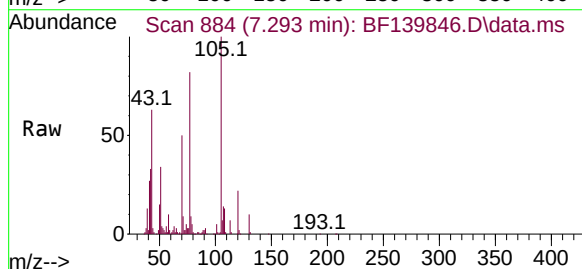
Ion Ratio Lower Upper

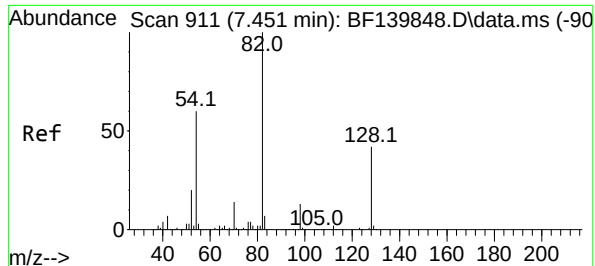
105 100

71 8.5 5.9 8.9

51 33.6 29.4 44.2

120 22.2 17.5 26.3





#23

Nitrobenzene-d5

Concen: 20.257 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

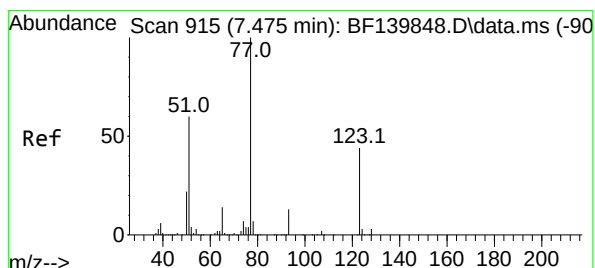
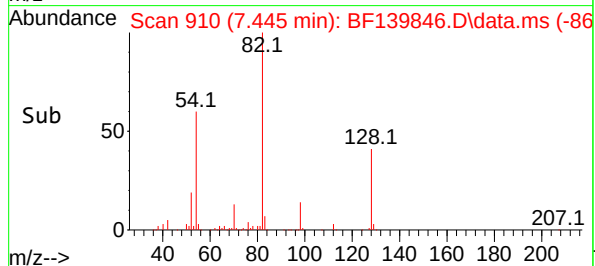
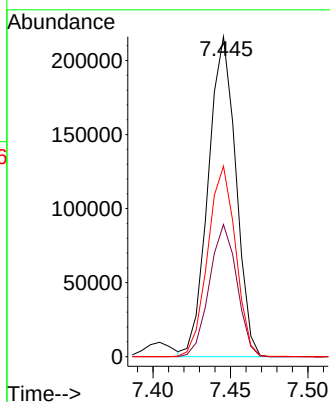
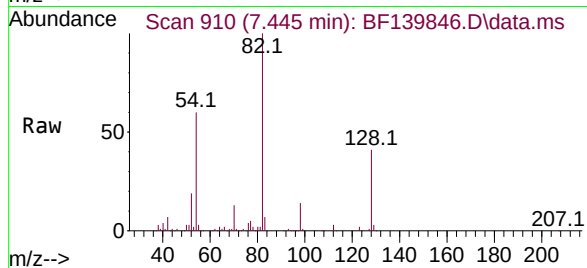
Tgt Ion: 82 Resp: 268128

Ion Ratio Lower Upper

82 100

128 41.3 33.4 50.0

54 59.5 47.8 71.8



#24

Nitrobenzene

Concen: 10.154 ng

RT: 7.463 min Scan# 913

Delta R.T. -0.012 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

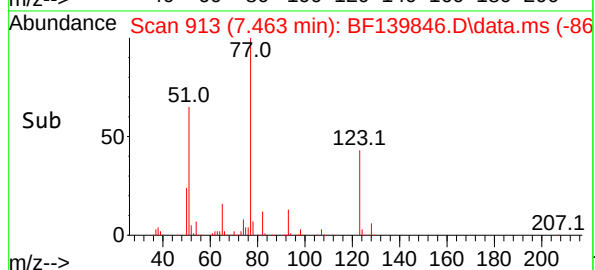
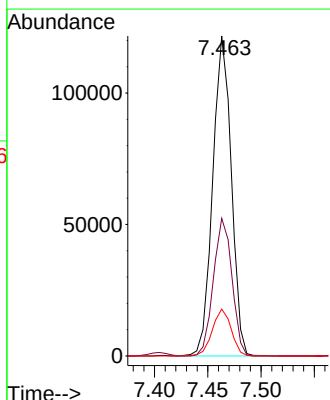
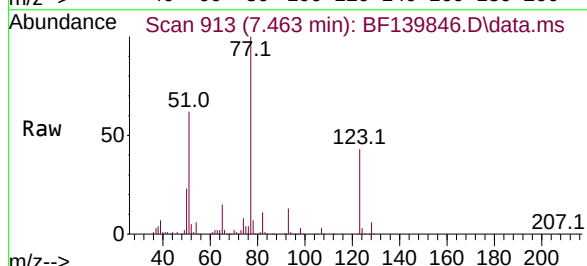
Tgt Ion: 77 Resp: 147356

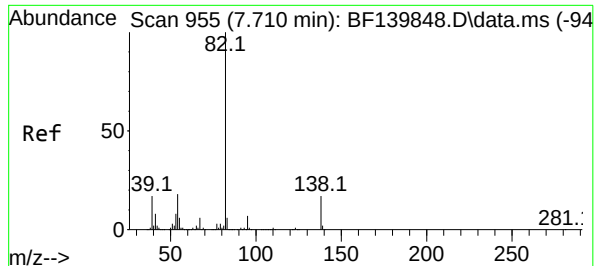
Ion Ratio Lower Upper

77 100

123 43.0 35.7 53.5

65 14.6 11.5 17.3

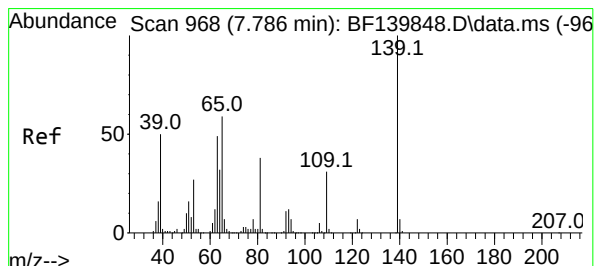
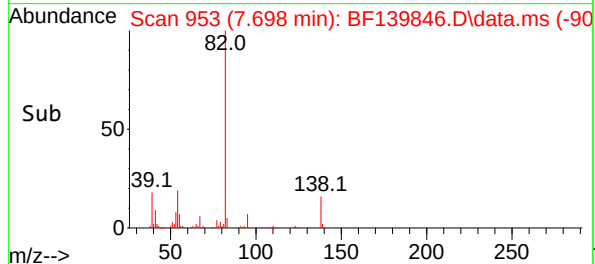
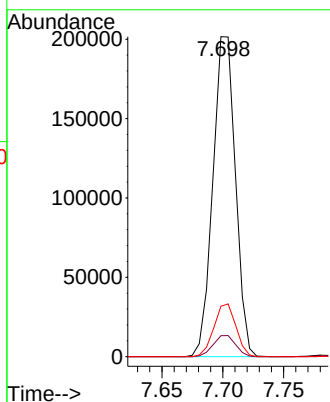
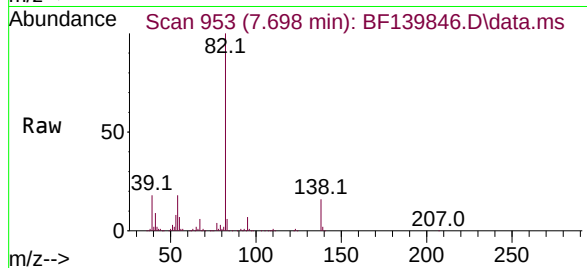




#25
Isophorone
Concen: 10.359 ng
RT: 7.698 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

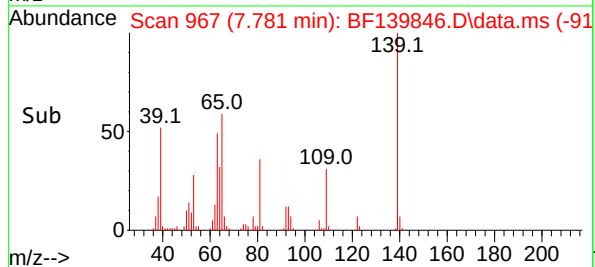
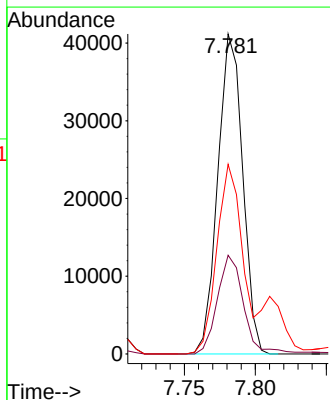
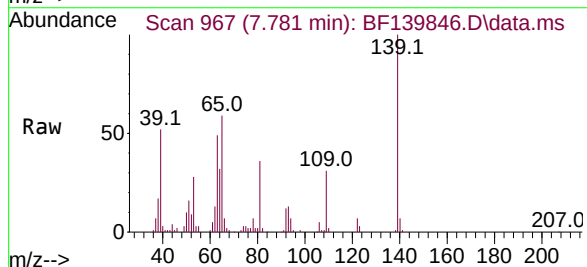
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

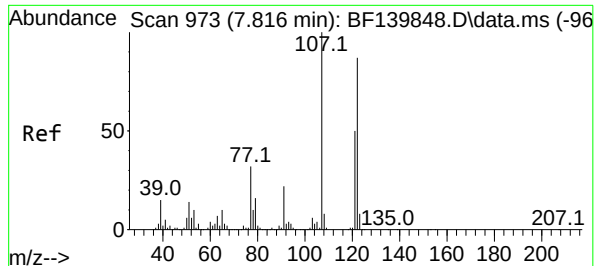
Tgt Ion: 82 Resp: 260247
Ion Ratio Lower Upper
82 100
95 6.6 5.5 8.3
138 15.7 13.2 19.8



#26
2-Nitrophenol
Concen: 9.162 ng
RT: 7.781 min Scan# 967
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion: 139 Resp: 50159
Ion Ratio Lower Upper
139 100
109 30.9 25.1 37.7
65 59.2 47.5 71.3





#27

2,4-Dimethylphenol

Concen: 10.400 ng

RT: 7.810 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF139846.D

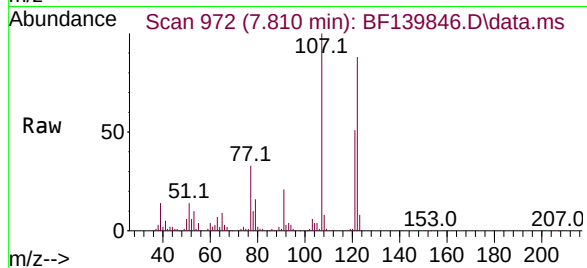
Acq: 18 Oct 2024 11:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC010



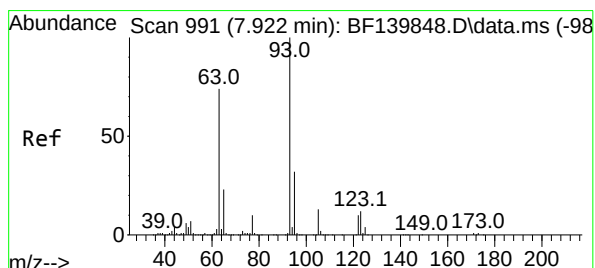
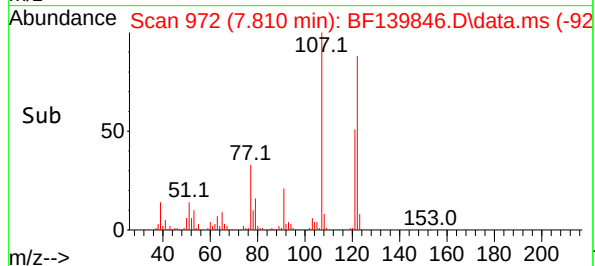
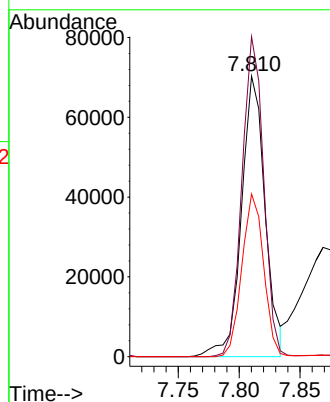
Tgt Ion:122 Resp: 94947

Ion Ratio Lower Upper

122 100

107 114.1 91.9 137.9

121 58.0 46.2 69.4



#28

bis(2-Chloroethoxy)methane

Concen: 10.605 ng

RT: 7.916 min Scan# 990

Delta R.T. -0.006 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

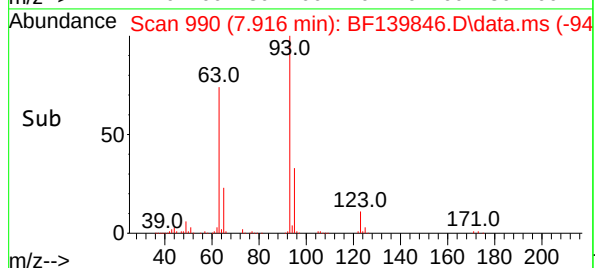
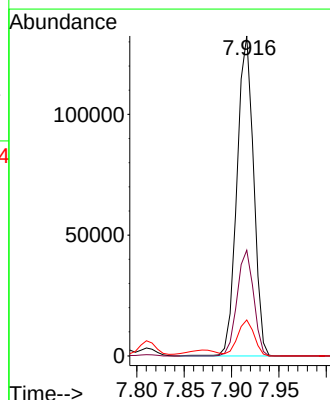
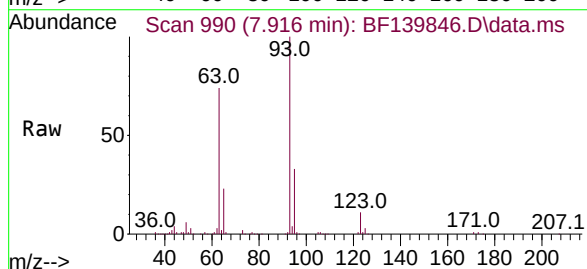
Tgt Ion: 93 Resp: 161423

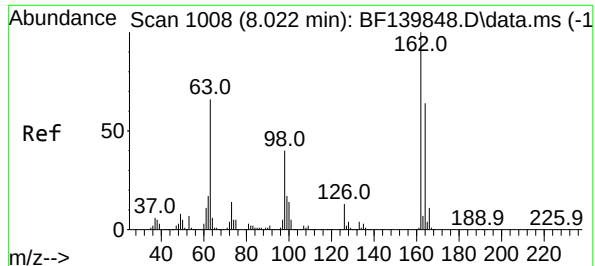
Ion Ratio Lower Upper

93 100

95 33.0 26.0 39.0

123 11.2 9.8 14.8





#29

2,4-Dichlorophenol

Concen: 10.492 ng

RT: 8.016 min Scan# 1007

Delta R.T. -0.006 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

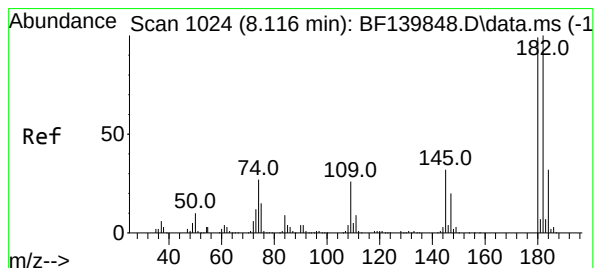
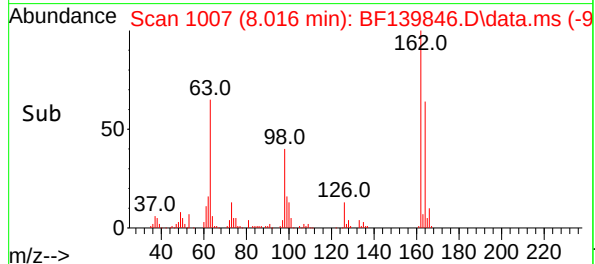
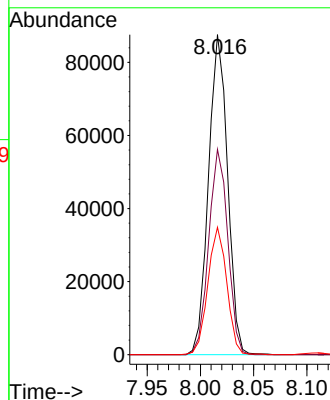
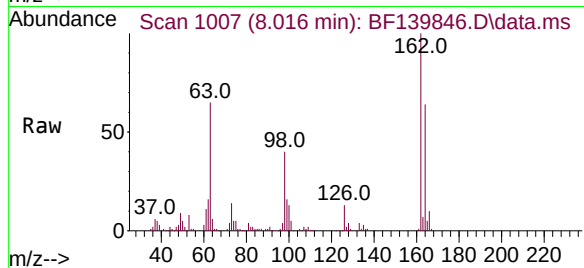
Tgt Ion:162 Resp: 109102

Ion Ratio Lower Upper

162 100

164 64.1 43.9 83.9

98 39.8 19.9 59.9



#30

1,2,4-Trichlorobenzene

Concen: 10.537 ng

RT: 8.110 min Scan# 1023

Delta R.T. -0.006 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

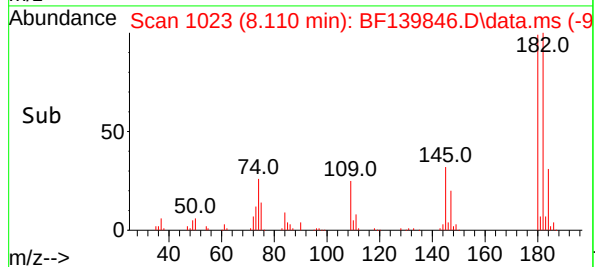
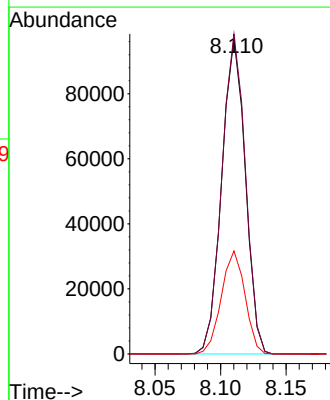
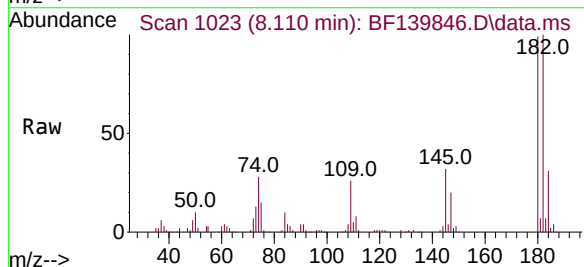
Tgt Ion:180 Resp: 121232

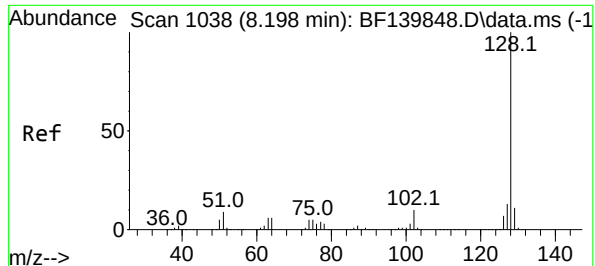
Ion Ratio Lower Upper

180 100

182 101.5 80.5 120.7

145 32.7 25.4 38.0





#31

Naphthalene

Concen: 10.864 ng

RT: 8.192 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

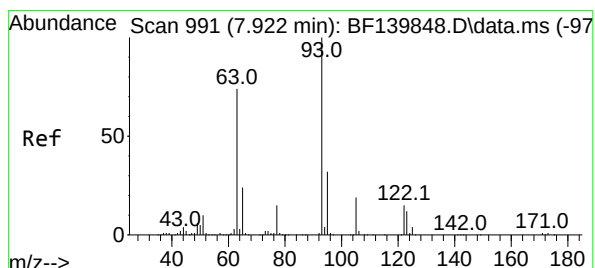
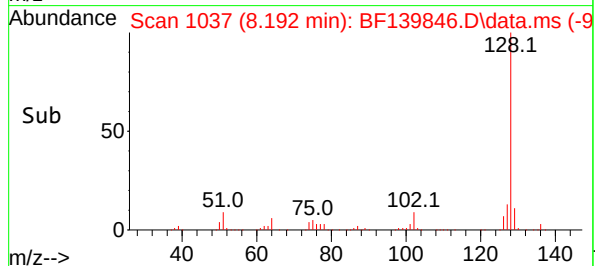
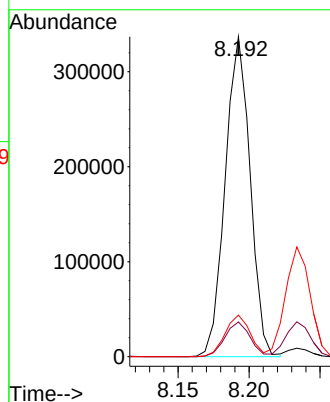
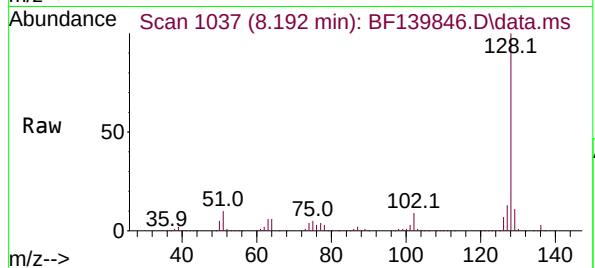
Tgt Ion:128 Resp: 411053

Ion Ratio Lower Upper

128 100

129 10.9 8.9 13.3

127 13.0 10.6 16.0



#32

Benzoic acid

Concen: 8.075 ng

RT: 7.869 min Scan# 982

Delta R.T. -0.053 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

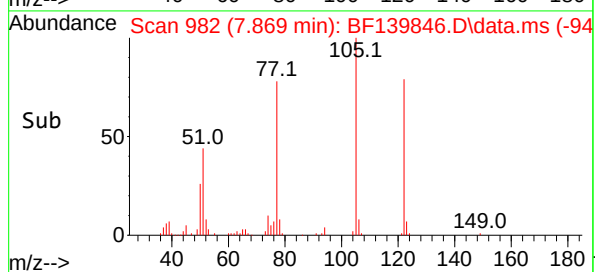
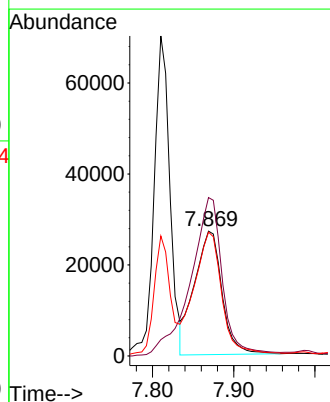
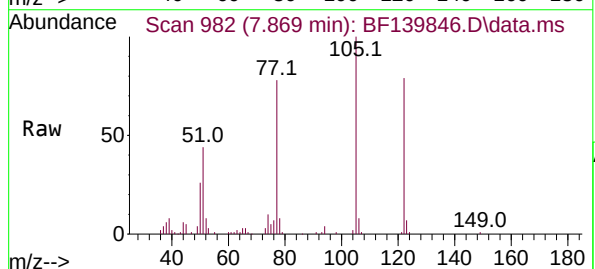
Tgt Ion:122 Resp: 64294

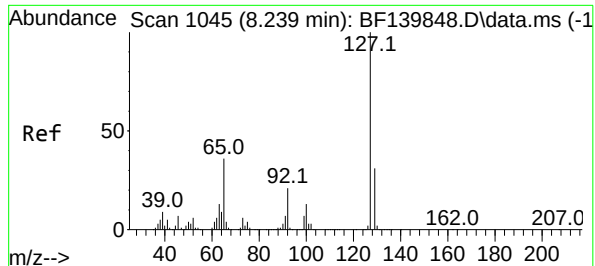
Ion Ratio Lower Upper

122 100

105 126.9 107.6 147.6

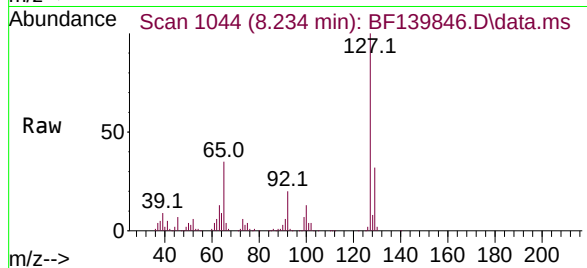
77 99.2 80.2 120.2



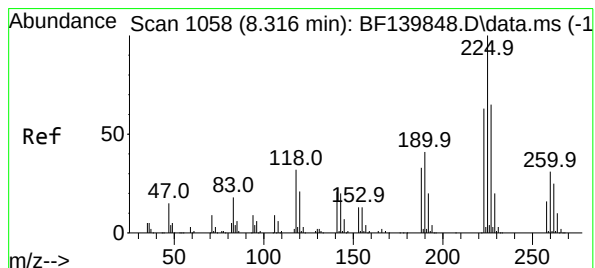
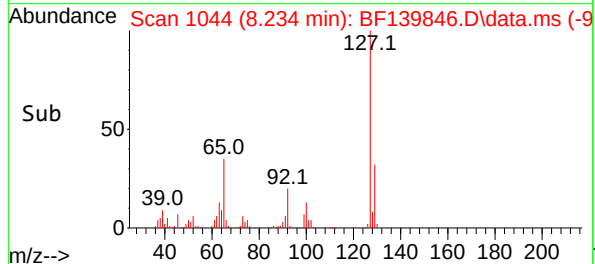
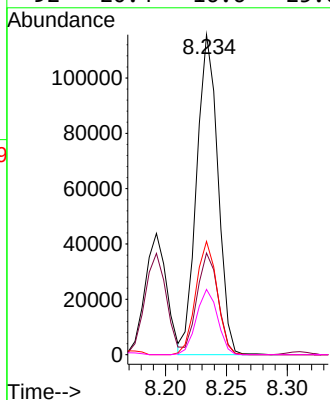


#33
4-Chloroaniline
Concen: 10.853 ng
RT: 8.234 min Scan# 1044
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

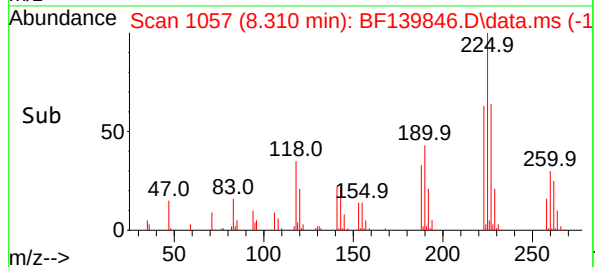
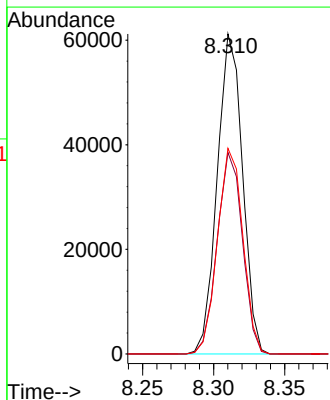
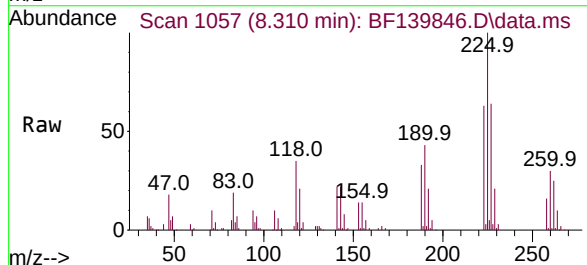


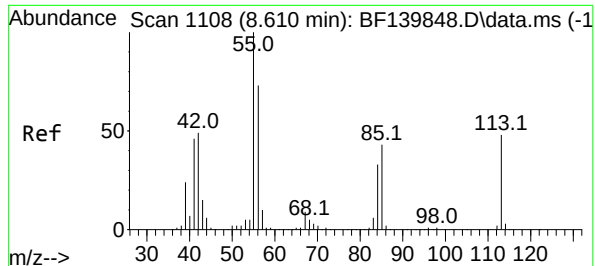
Tgt Ion:127 Resp: 140021
Ion Ratio Lower Upper
127 100
129 31.8 25.4 38.2
65 35.4 28.4 42.6
92 20.4 16.6 25.0



#34
Hexachlorobutadiene
Concen: 10.477 ng
RT: 8.310 min Scan# 1057
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion:225 Resp: 75740
Ion Ratio Lower Upper
225 100
223 63.0 50.6 76.0
227 64.3 51.8 77.8

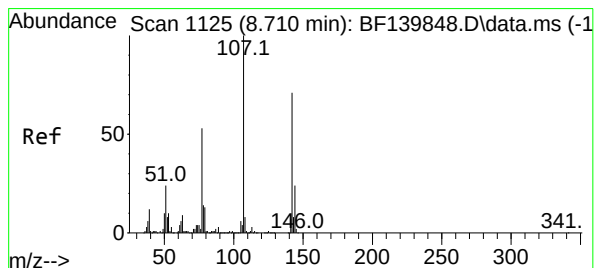
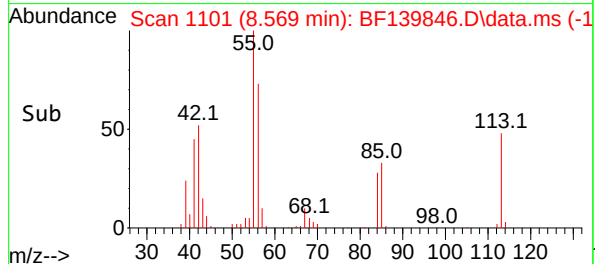
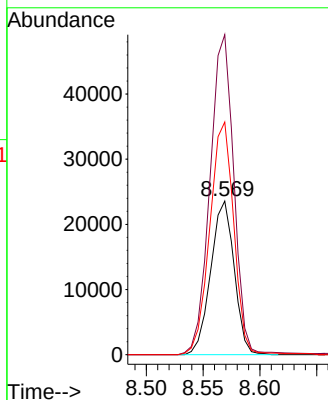
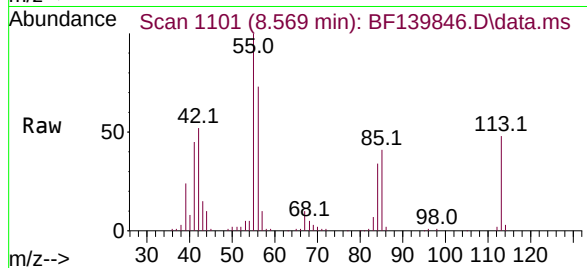




#35
Caprolactam
Concen: 10.256 ng
RT: 8.569 min Scan# 1108
Delta R.T. -0.041 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

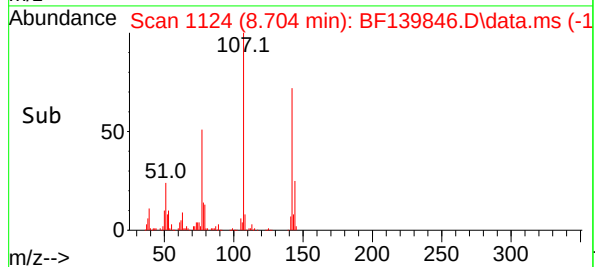
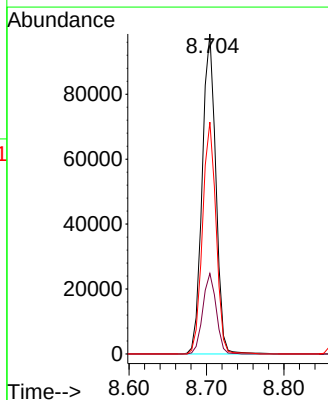
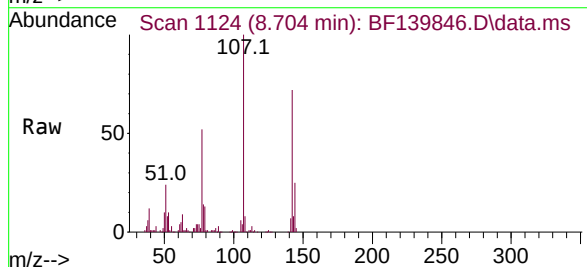
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

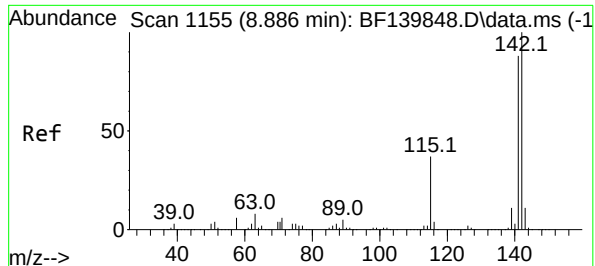
Tgt Ion	Ratio	Lower	Upper
113	100		
55	208.3	189.2	229.2
56	151.4	132.5	172.5



#36
4-Chloro-3-methylphenol
Concen: 10.452 ng
RT: 8.704 min Scan# 1124
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion	Ratio	Lower	Upper
107	100		
144	25.2	19.1	28.7
142	72.5	57.2	85.8





#37

2-Methylnaphthalene

Concen: 10.899 ng

RT: 8.881 min Scan# 1154

Delta R.T. -0.006 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

Instrument :

BNA_F

ClientSampleId :

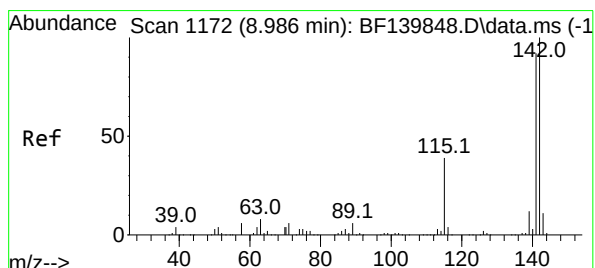
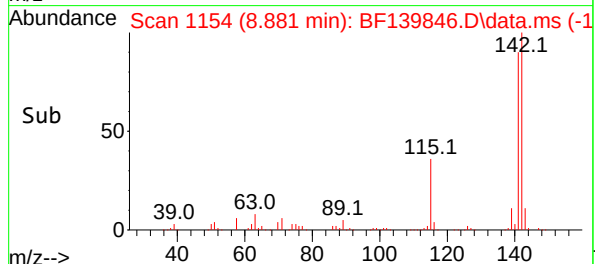
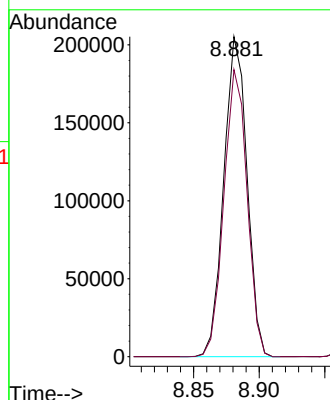
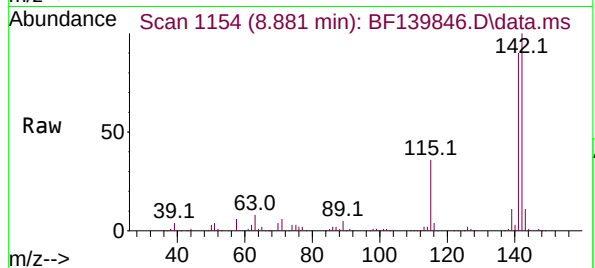
SSTDICC010

Tgt Ion:142 Resp: 252554

Ion Ratio Lower Upper

142 100

141 89.7 70.8 106.2



#38

1-Methylnaphthalene

Concen: 11.023 ng

RT: 8.981 min Scan# 1171

Delta R.T. -0.006 min

Lab File: BF139846.D

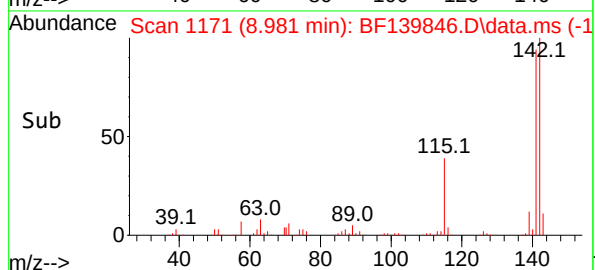
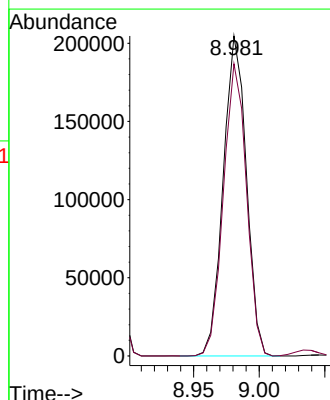
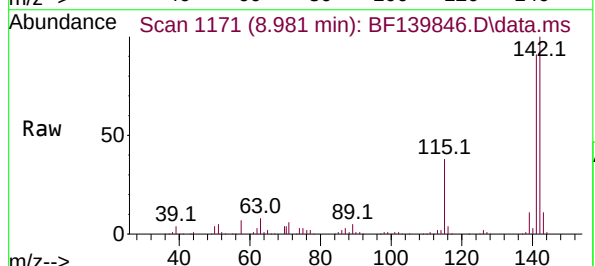
Acq: 18 Oct 2024 11:23

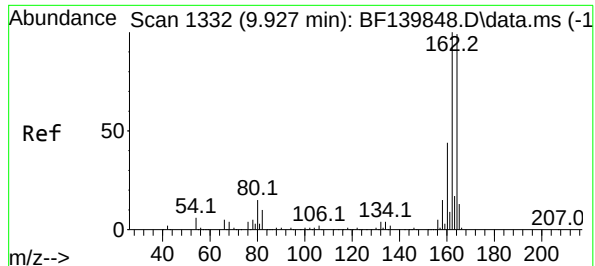
Tgt Ion:142 Resp: 250609

Ion Ratio Lower Upper

142 100

141 91.3 73.5 110.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 11

Delta R.T. 0.001 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

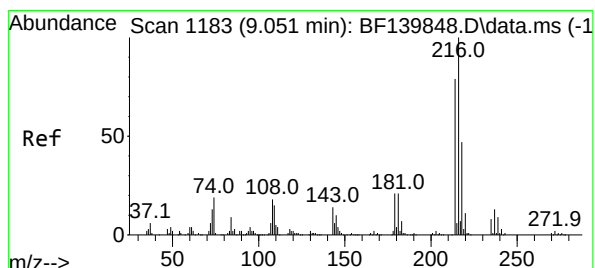
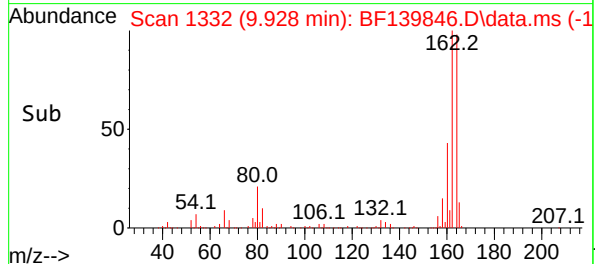
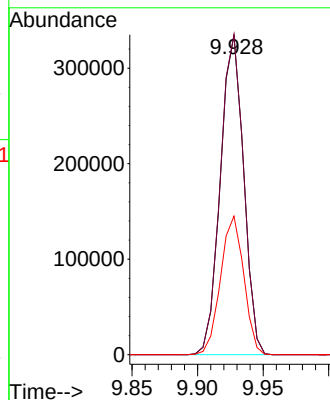
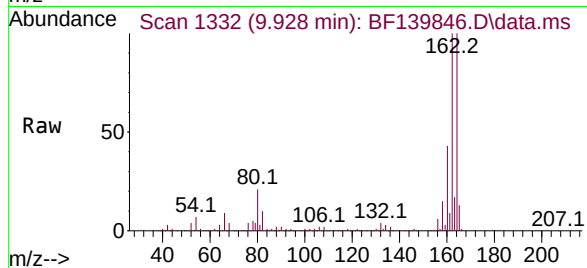
Tgt Ion:164 Resp: 411556

Ion Ratio Lower Upper

164 100

162 100.2 81.0 121.4

160 43.4 35.4 53.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 10.738 ng

RT: 9.045 min Scan# 1182

Delta R.T. -0.006 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

Tgt Ion:216 Resp: 119227

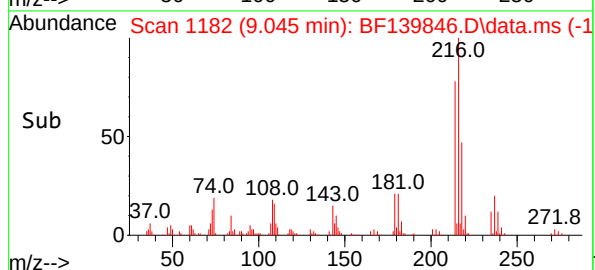
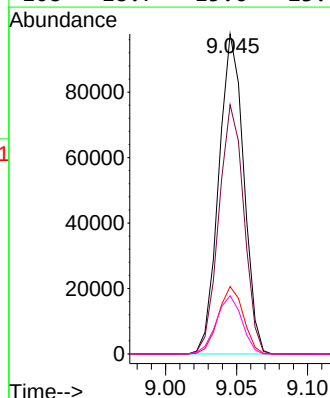
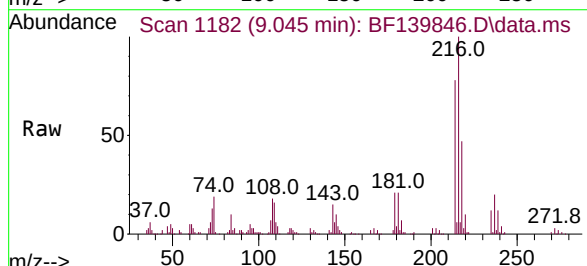
Ion Ratio Lower Upper

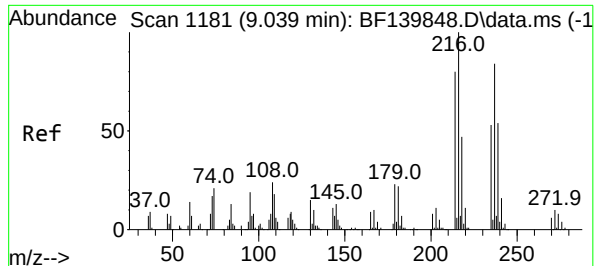
216 100

214 78.1 63.4 95.0

179 21.2 17.2 25.8

108 18.7 15.6 23.4

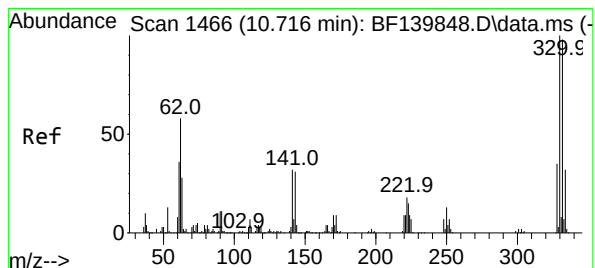
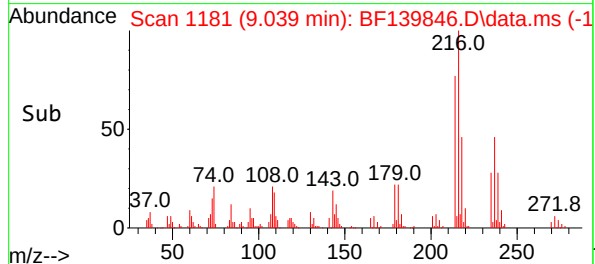
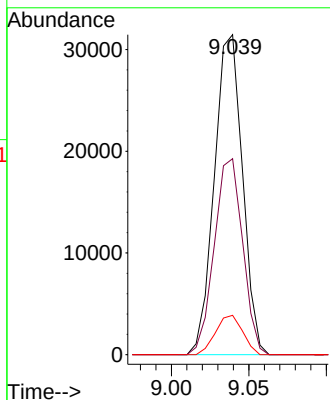
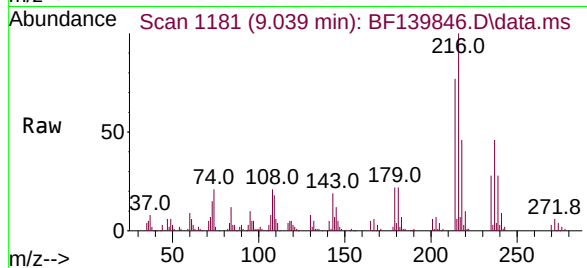




#41
Hexachlorocyclopentadiene
Concen: 10.290 ng
RT: 9.039 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

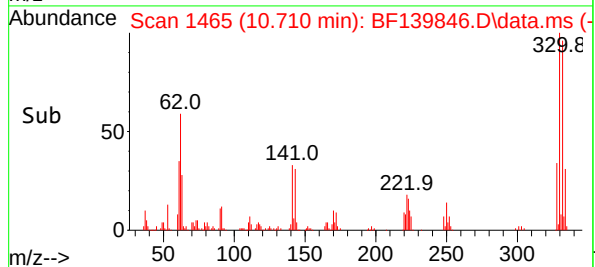
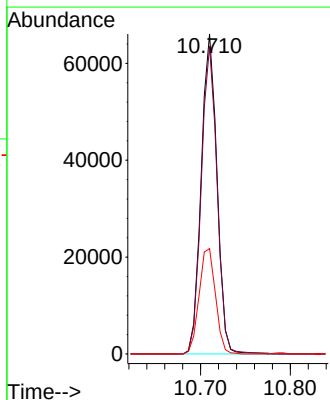
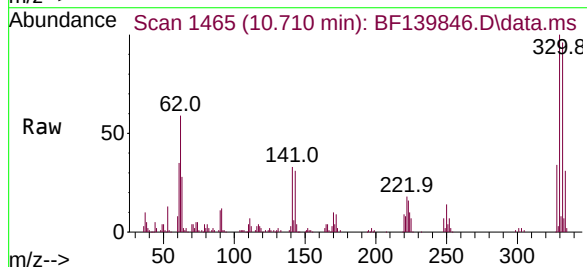
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

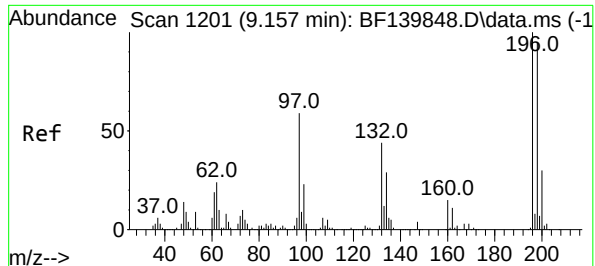
Tgt Ion:237 Resp: 39754
Ion Ratio Lower Upper
237 100
235 61.3 42.9 82.9
272 12.3 0.0 32.3



#42
2,4,6-Tribromophenol
Concen: 20.952 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion:330 Resp: 80655
Ion Ratio Lower Upper
330 100
332 95.9 78.1 117.1
141 34.2 26.6 39.8





#43

2,4,6-Trichlorophenol

Concen: 9.996 ng

RT: 9.151 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139846.D

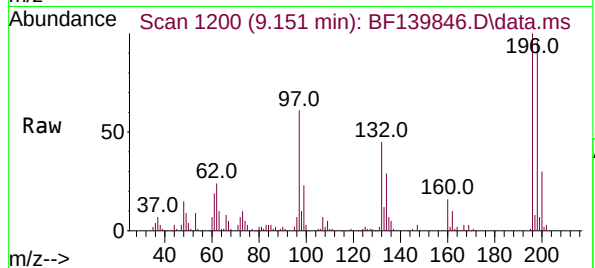
Acq: 18 Oct 2024 11:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC010



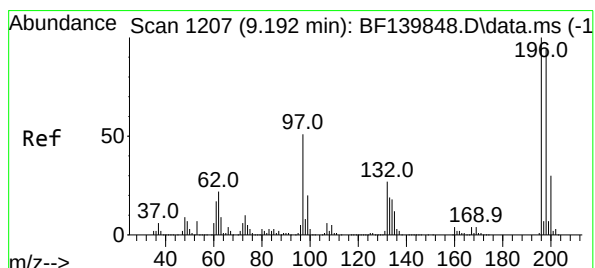
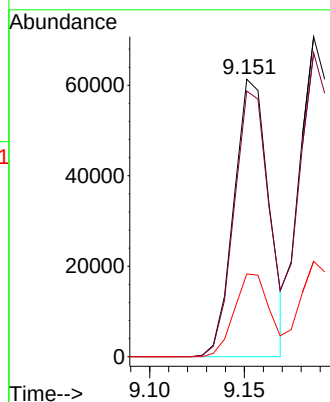
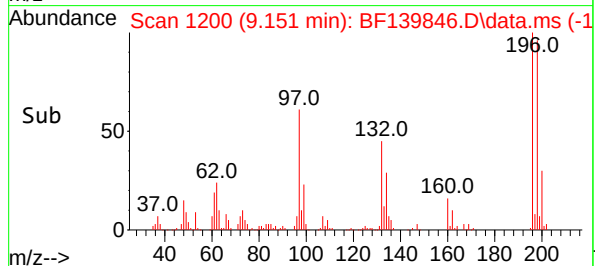
Tgt Ion:196 Resp: 78578

Ion Ratio Lower Upper

196 100

198 95.7 76.2 114.2

200 29.8 24.0 36.0



#44

2,4,5-Trichlorophenol

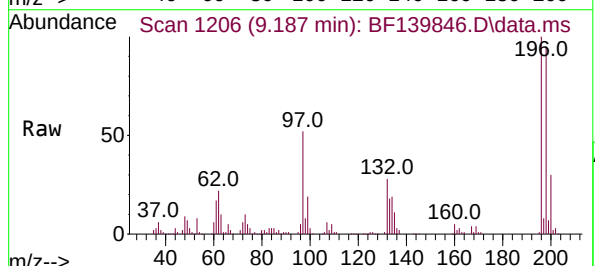
Concen: 10.787 ng

RT: 9.187 min Scan# 1206

Delta R.T. -0.006 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23



Tgt Ion:196 Resp: 87482

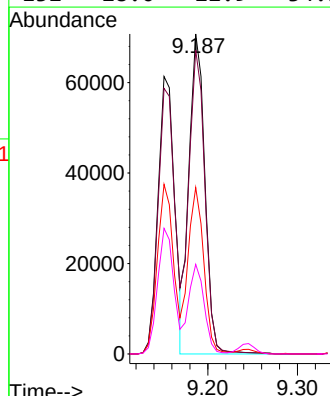
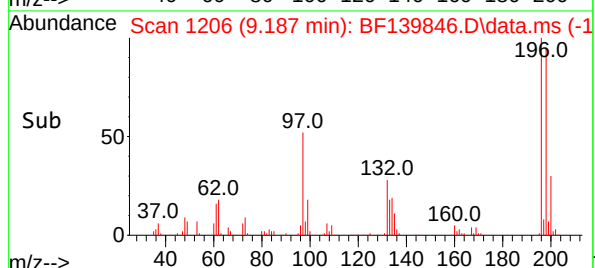
Ion Ratio Lower Upper

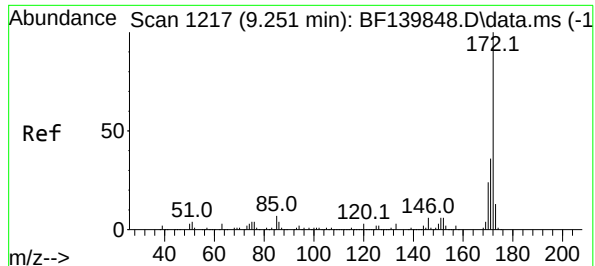
196 100

198 94.9 75.8 113.6

97 52.0 41.8 62.6

132 28.0 22.9 34.3





#45

2-Fluorobiphenyl

Concen: 23.073 ng

RT: 9.245 min Scan# 1216

Delta R.T. -0.006 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

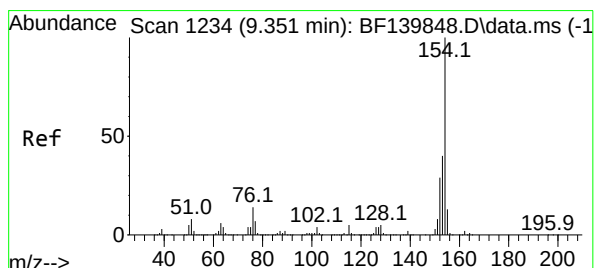
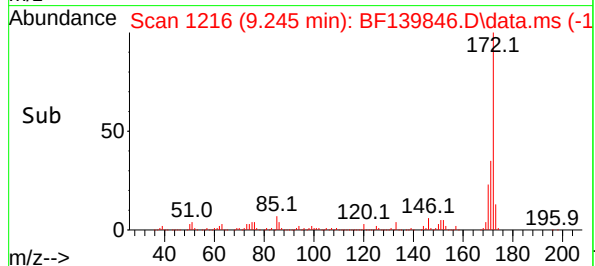
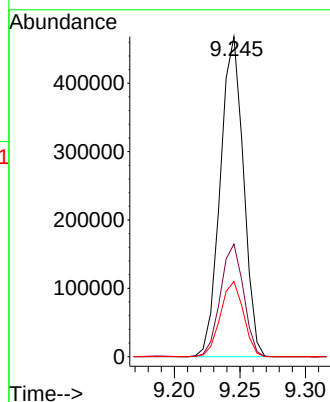
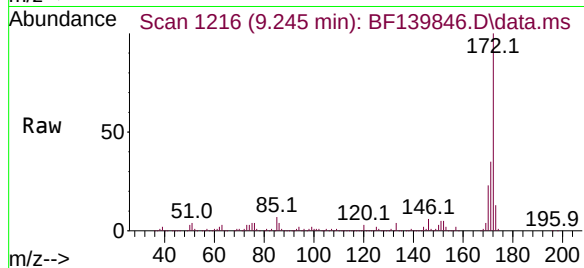
Tgt Ion:172 Resp: 574563

Ion Ratio Lower Upper

172 100

171 35.2 28.6 43.0

170 23.5 19.1 28.7



#46

1,1'-Biphenyl

Concen: 11.035 ng

RT: 9.345 min Scan# 1233

Delta R.T. -0.006 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

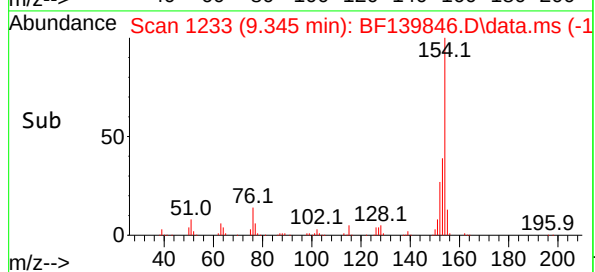
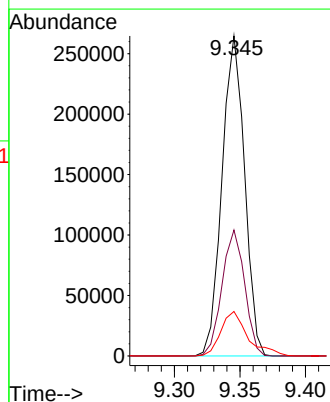
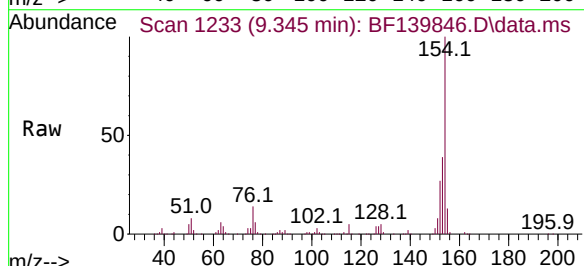
Tgt Ion:154 Resp: 316146

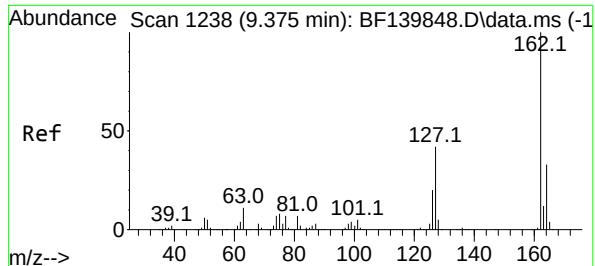
Ion Ratio Lower Upper

154 100

153 39.4 20.3 60.3

76 13.9 0.0 33.9





#47

2-Chloronaphthalene

Concen: 10.927 ng

RT: 9.369 min Scan# 1237

Delta R.T. -0.006 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

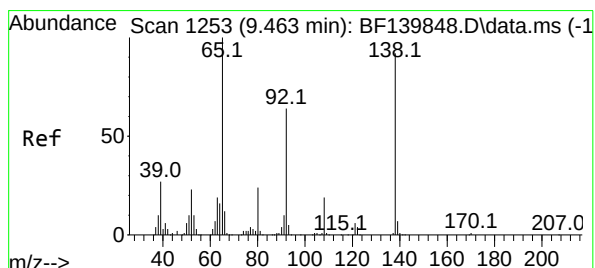
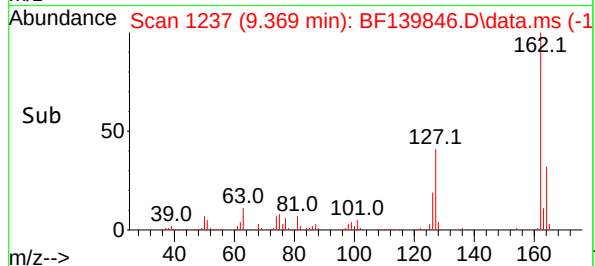
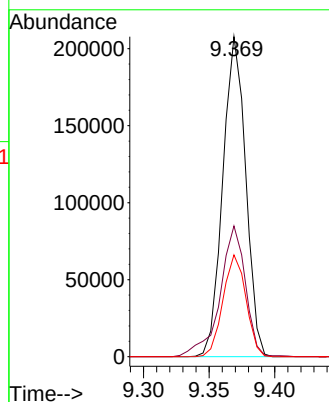
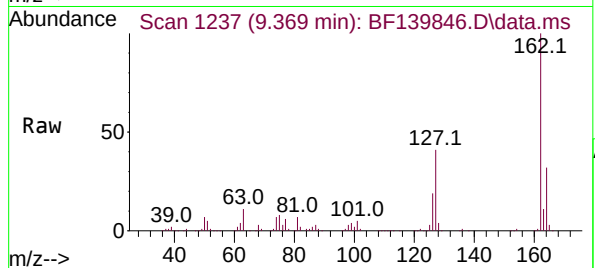
Tgt Ion:162 Resp: 252140

Ion Ratio Lower Upper

162 100

127 40.9 33.8 50.6

164 31.8 26.6 39.8



#48

2-Nitroaniline

Concen: 9.270 ng

RT: 9.457 min Scan# 1252

Delta R.T. -0.006 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

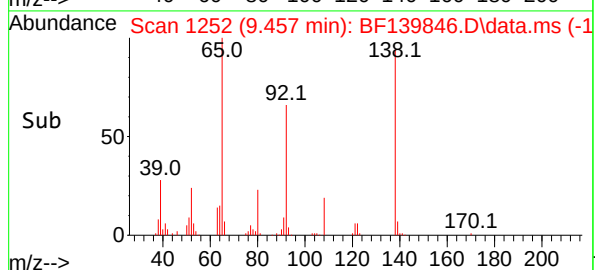
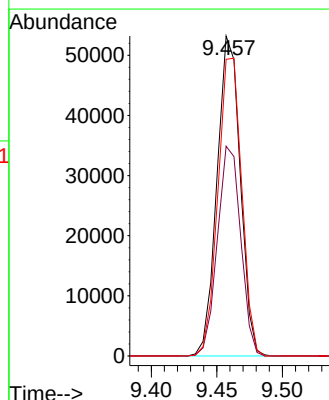
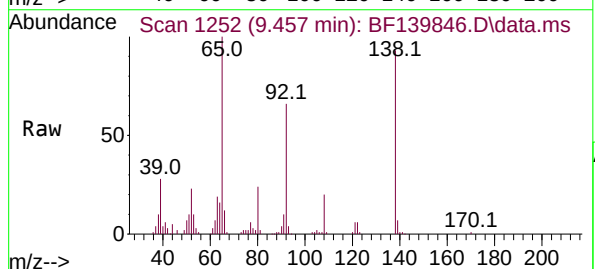
Tgt Ion: 65 Resp: 65425

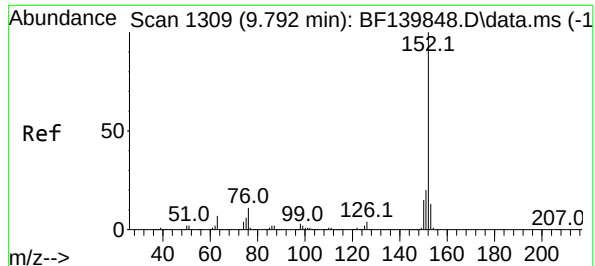
Ion Ratio Lower Upper

65 100

92 65.5 50.9 76.3

138 92.7 73.4 110.0





#49

Acenaphthylene

Concen: 10.833 ng

RT: 9.787 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

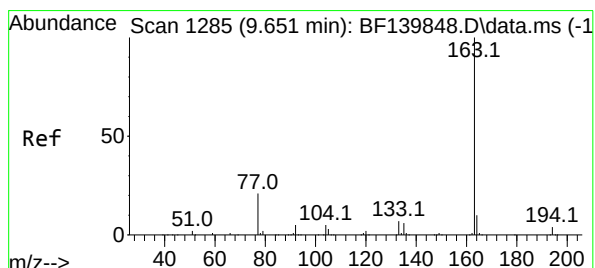
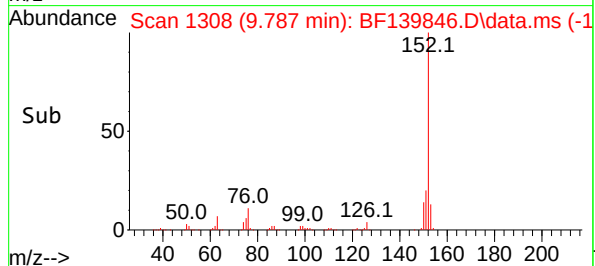
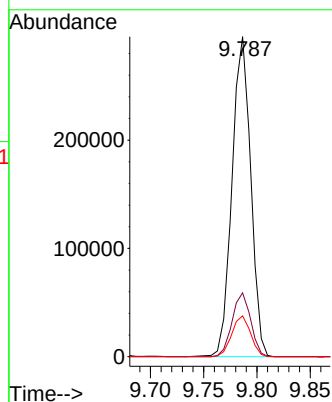
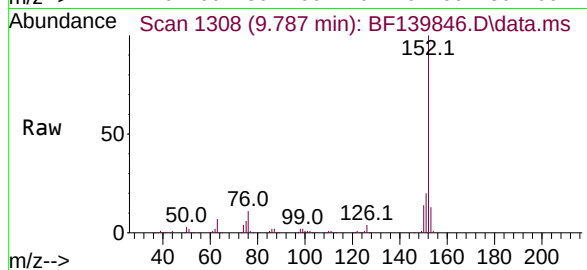
Tgt Ion:152 Resp: 361398

Ion Ratio Lower Upper

152 100

151 19.9 15.9 23.9

153 12.7 10.7 16.1



#50

Dimethylphthalate

Concen: 10.792 ng

RT: 9.639 min Scan# 1283

Delta R.T. -0.012 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

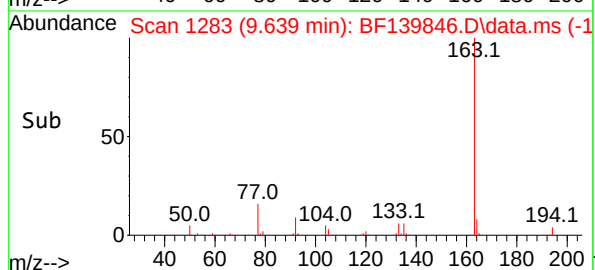
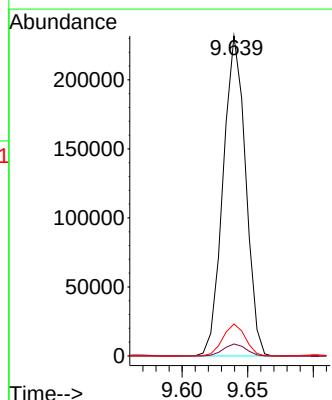
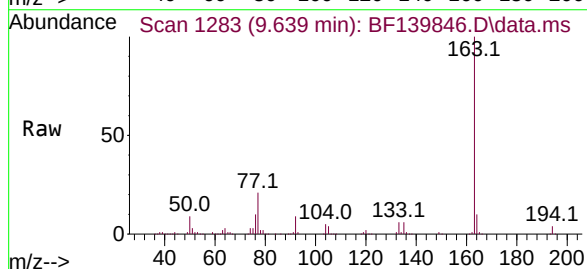
Tgt Ion:163 Resp: 276645

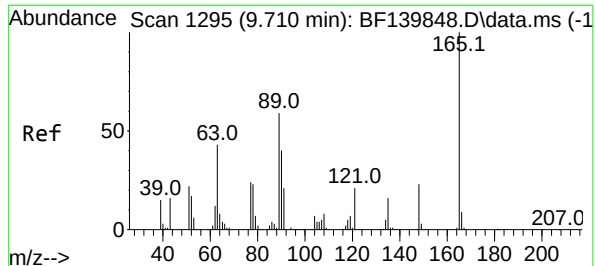
Ion Ratio Lower Upper

163 100

194 3.7 3.4 5.0

164 10.0 8.2 12.2

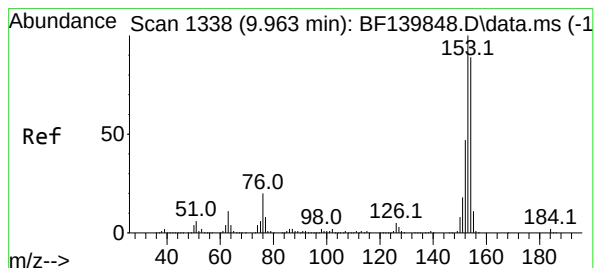
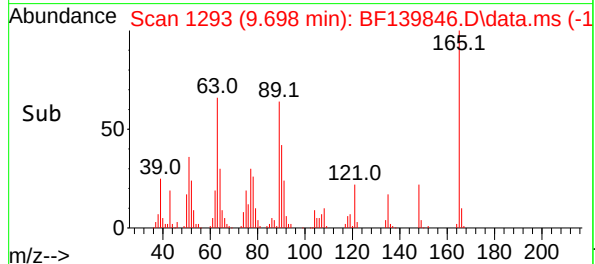
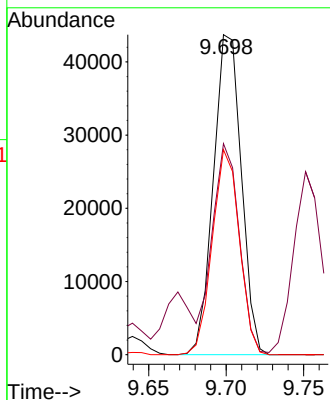
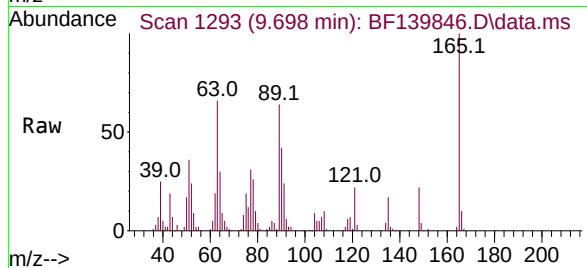




#51
2,6-Dinitrotoluene
Concen: 9.877 ng
RT: 9.698 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

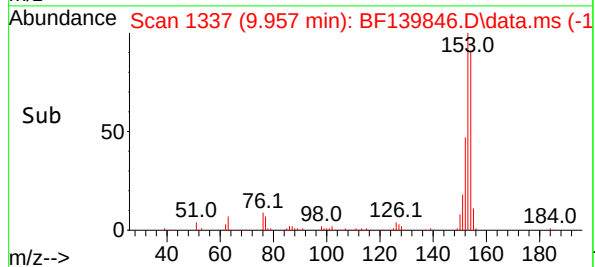
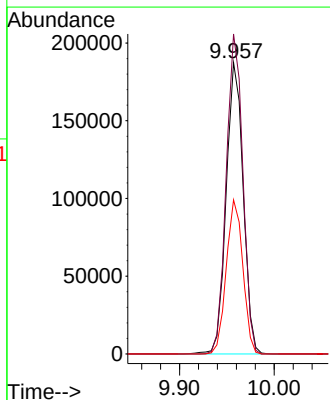
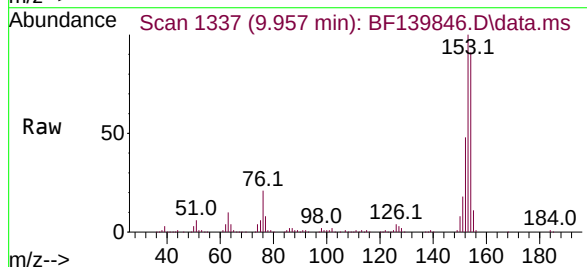
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

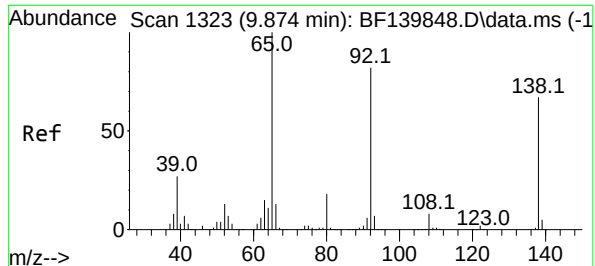
Tgt Ion:165 Resp: 54824
Ion Ratio Lower Upper
165 100
63 66.0 50.6 75.8
89 64.1 47.5 71.3



#52
Acenaphthene
Concen: 10.832 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion:154 Resp: 233749
Ion Ratio Lower Upper
154 100
153 109.8 89.8 134.6
152 52.9 42.4 63.6

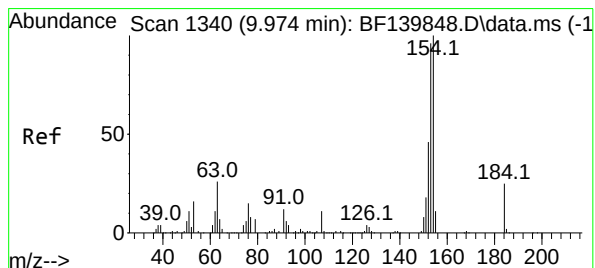
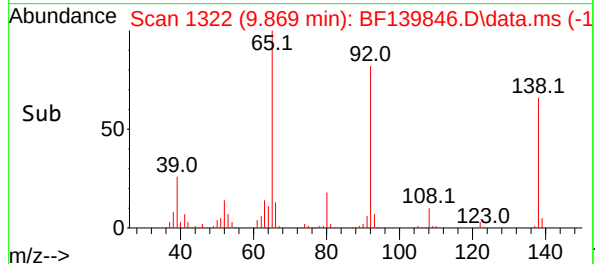
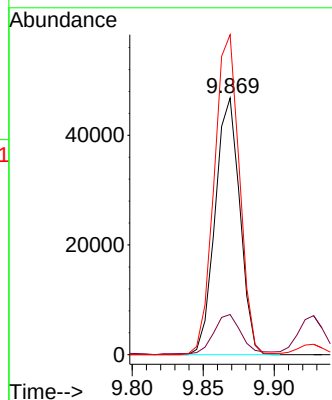
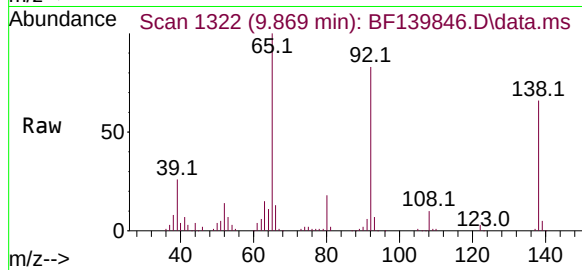




#53
3-Nitroaniline
Concen: 9.884 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

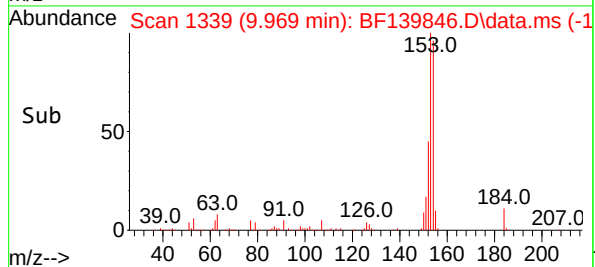
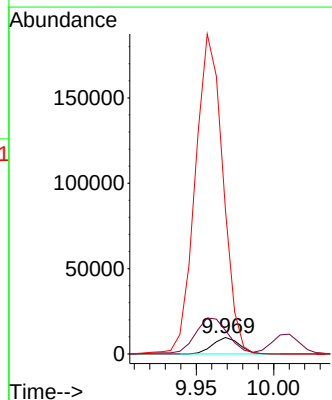
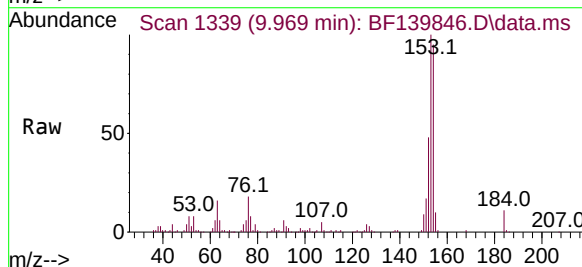
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

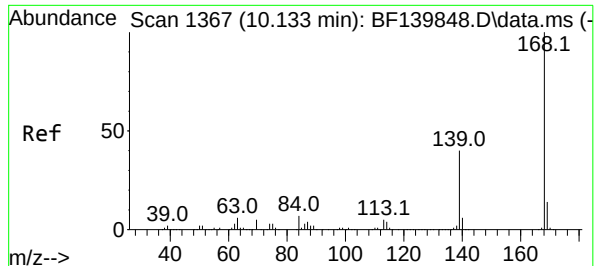
Tgt Ion:138 Resp: 56574
Ion Ratio Lower Upper
138 100
108 15.7 10.2 15.2#
92 124.7 98.3 147.5



#54
2,4-Dinitrophenol
Concen: 11.138 ng
RT: 9.969 min Scan# 1339
Delta R.T. -0.005 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion:184 Resp: 11577
Ion Ratio Lower Upper
184 100
63 142.4 84.7 127.1#
154 870.2 338.2 507.2#





#55

Dibenzenofuran

Concen: 11.028 ng

RT: 10.128 min Scan# 1366

Delta R.T. -0.006 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

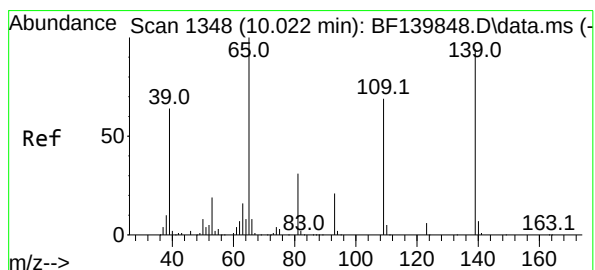
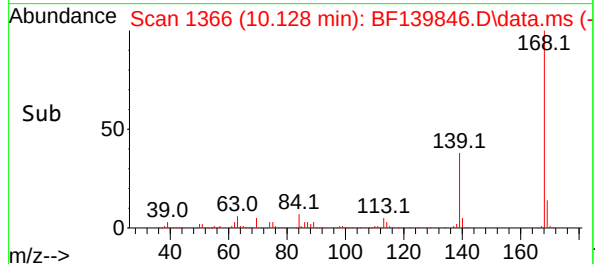
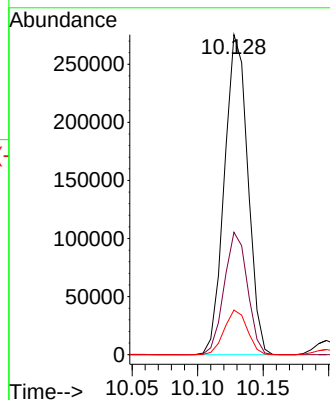
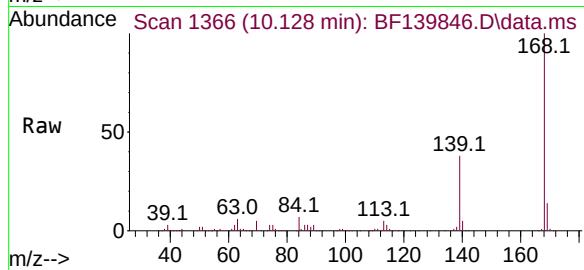
Tgt Ion:168 Resp: 341446

Ion Ratio Lower Upper

168 100

139 38.2 31.8 47.6

169 13.9 11.6 17.4



#56

4-Nitrophenol

Concen: 9.694 ng

RT: 10.010 min Scan# 1346

Delta R.T. -0.012 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

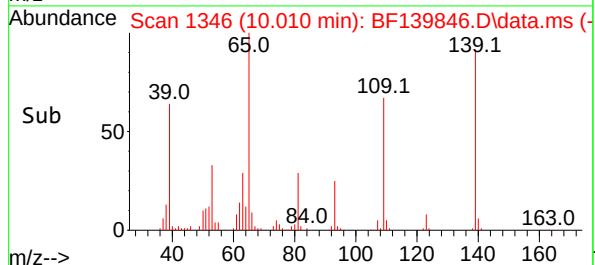
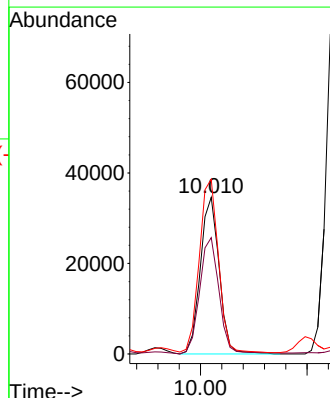
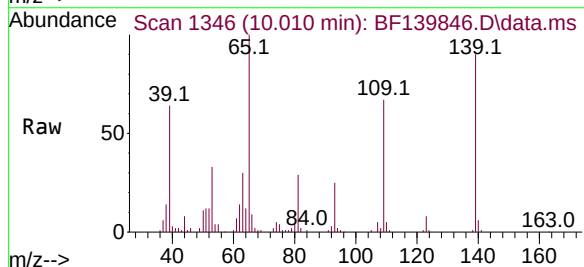
Tgt Ion:139 Resp: 42688

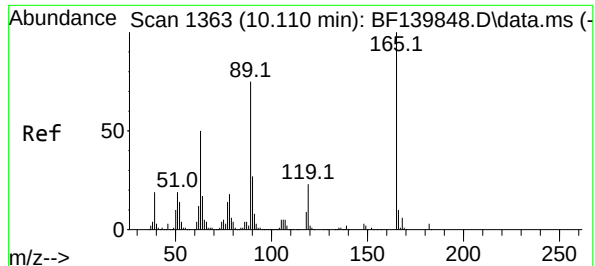
Ion Ratio Lower Upper

139 100

109 74.3 53.6 93.6

65 111.6 87.8 127.8





#57

2,4-Dinitrotoluene

Concen: 9.474 ng

RT: 10.098 min Scan# 1361

Delta R.T. -0.012 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:165 Resp: 64666

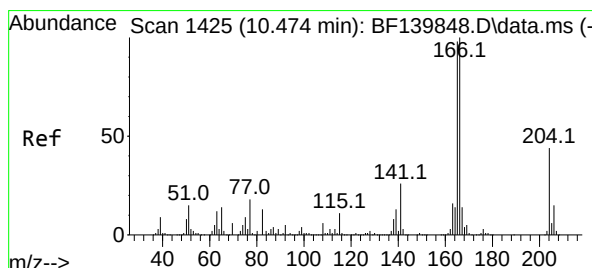
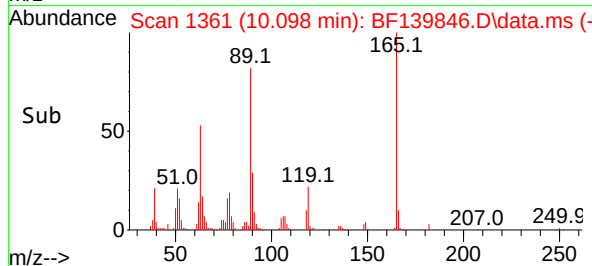
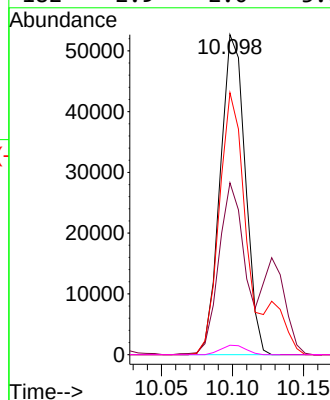
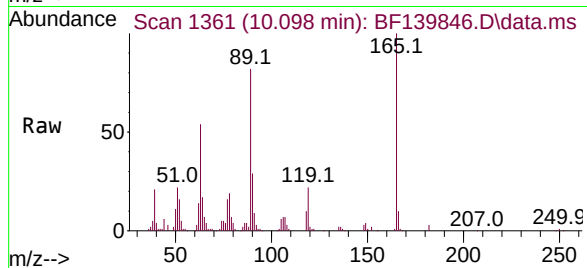
Ion Ratio Lower Upper

165 100

63 53.7 40.1 60.1

89 81.9 60.4 90.6

182 2.9 2.0 3.0



#58

Fluorene

Concen: 11.420 ng

RT: 10.475 min Scan# 1425

Delta R.T. 0.000 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

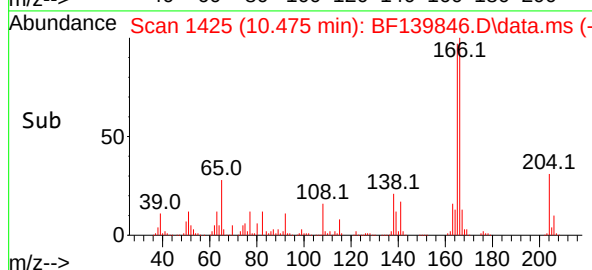
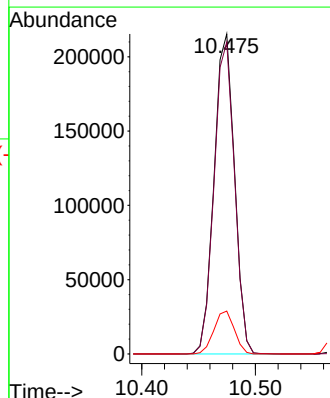
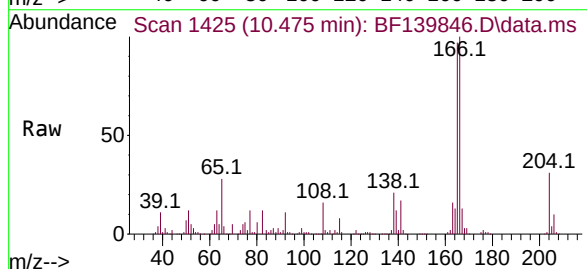
Tgt Ion:166 Resp: 269323

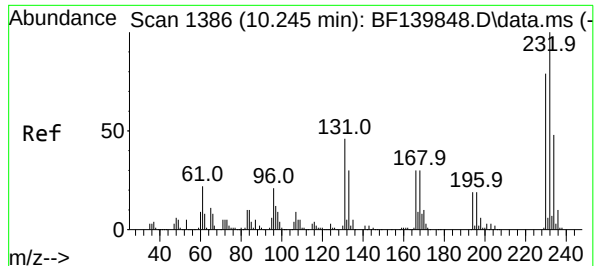
Ion Ratio Lower Upper

166 100

165 97.4 78.5 117.7

167 13.4 10.9 16.3

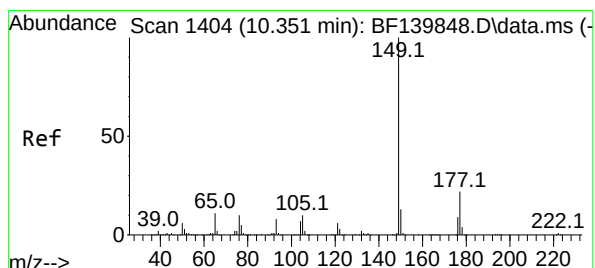
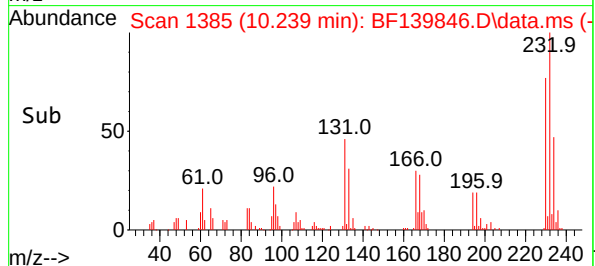
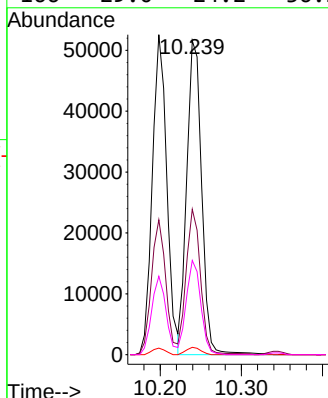
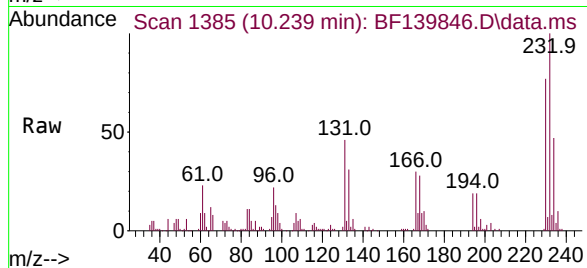




#59
2,3,4,6-Tetrachlorophenol
Concen: 10.408 ng
RT: 10.239 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

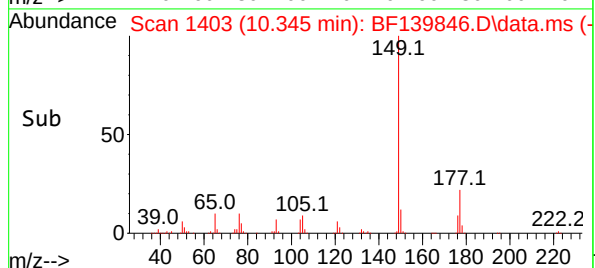
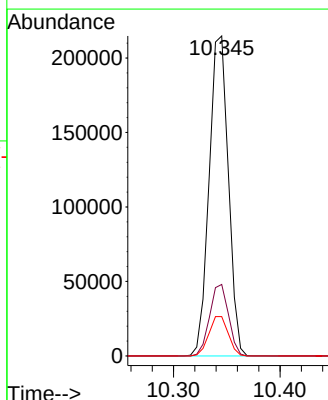
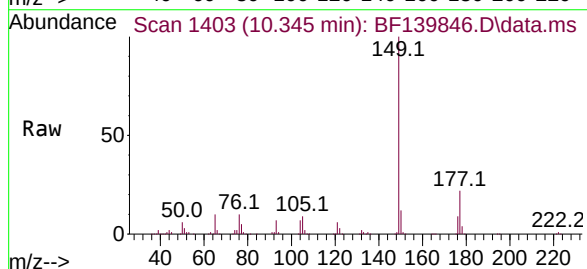
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

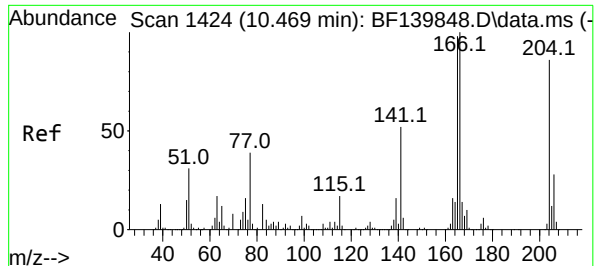
Tgt Ion:232 Resp: 66170
Ion Ratio Lower Upper
232 100
131 44.4 37.0 55.6
130 2.3 1.9 2.9
166 29.0 24.2 36.2



#60
Diethylphthalate
Concen: 10.694 ng
RT: 10.345 min Scan# 1403
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion:149 Resp: 269178
Ion Ratio Lower Upper
149 100
177 22.4 17.9 26.9
150 12.3 10.1 15.1

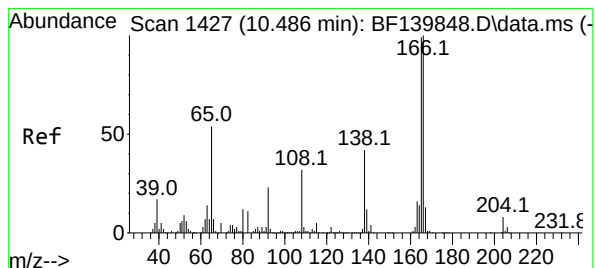
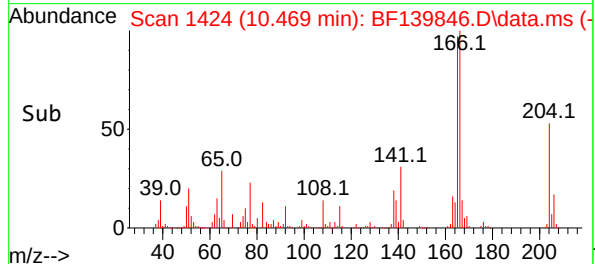
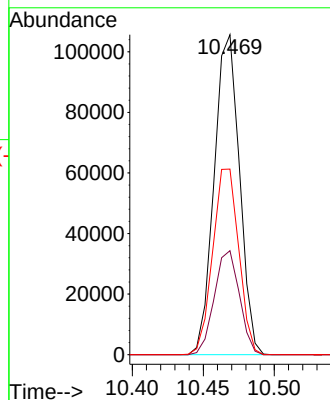
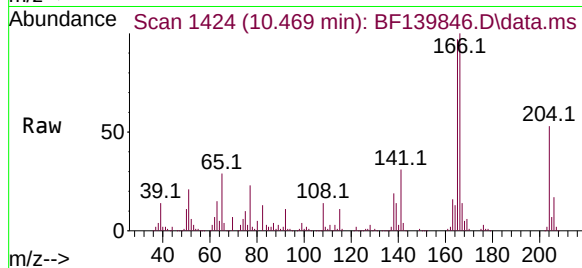




#61
4-Chlorophenyl-phenylether
Concen: 11.016 ng
RT: 10.469 min Scan# 1424
Delta R.T. 0.000 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

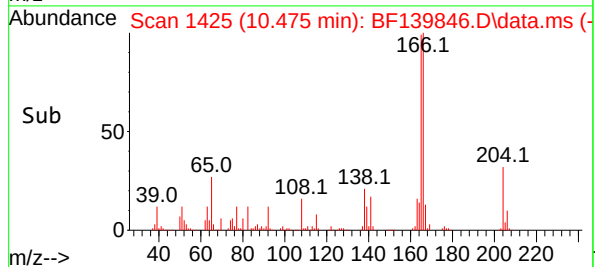
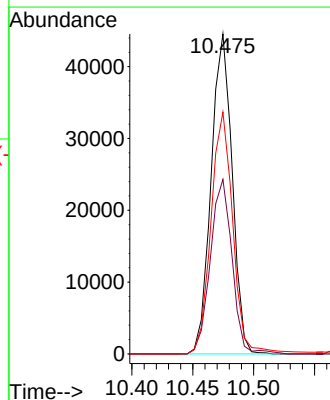
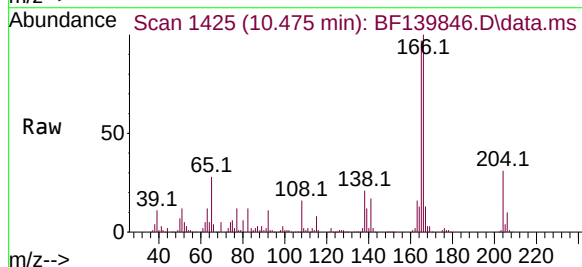
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

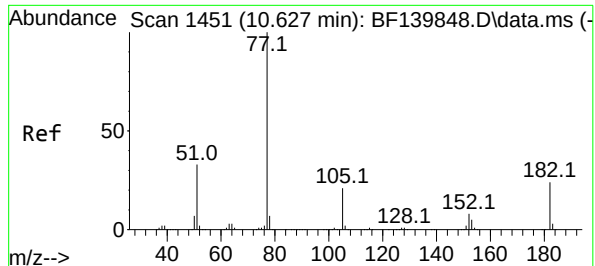
Tgt Ion:204 Resp: 131191
Ion Ratio Lower Upper
204 100
206 32.5 26.3 39.5
141 58.0 48.6 73.0



#62
4-Nitroaniline
Concen: 9.857 ng
RT: 10.475 min Scan# 1425
Delta R.T. -0.012 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion:138 Resp: 53288
Ion Ratio Lower Upper
138 100
92 54.6 35.7 75.7
108 75.6 57.5 97.5

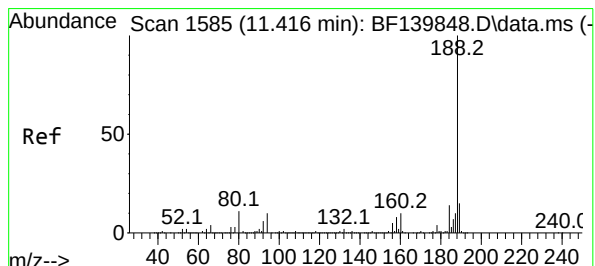
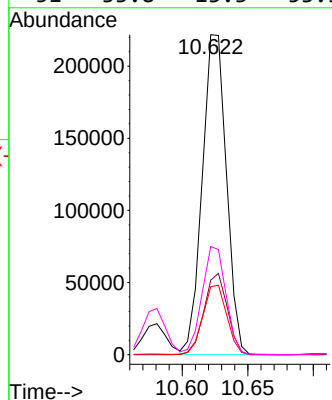
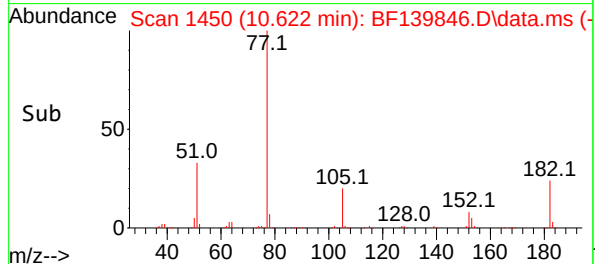
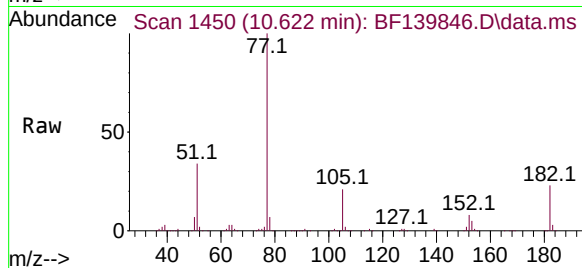




#63
Azobenzene
Concen: 10.679 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

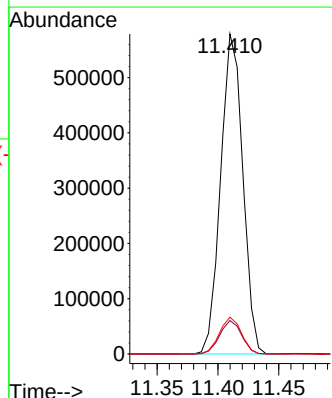
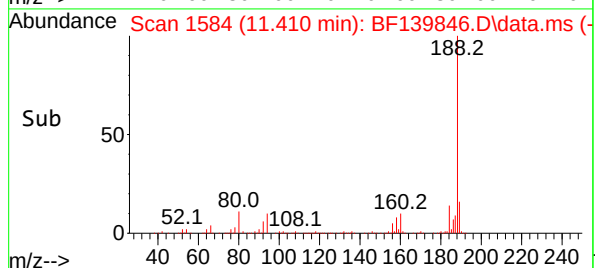
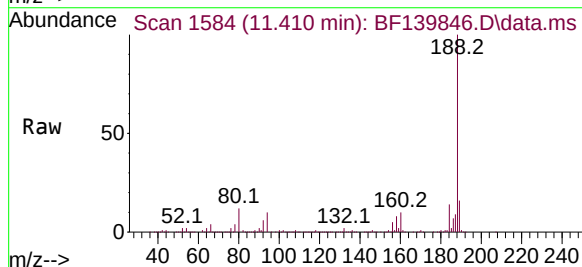
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

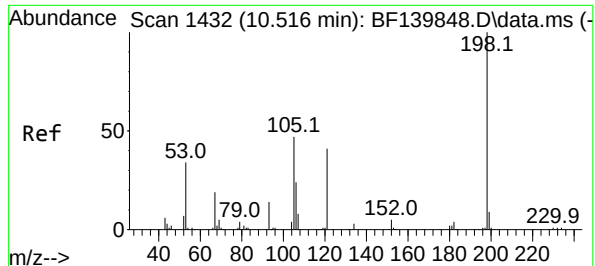
Tgt Ion: 77	Resp: 284960
Ion Ratio	Lower Upper
77 100	
182 23.3	3.3 43.3
105 21.3	1.2 41.2
51 33.8	13.3 53.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion: 188	Resp: 732661
Ion Ratio	Lower Upper
188 100	
94 10.5	7.9 11.9
80 11.5	9.0 13.4

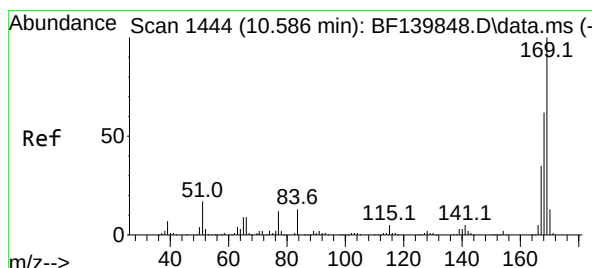
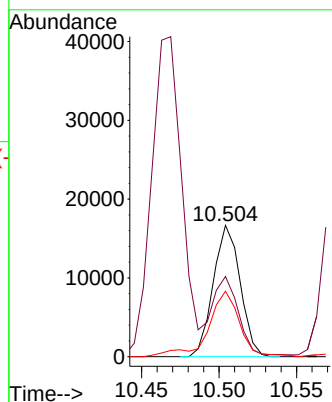
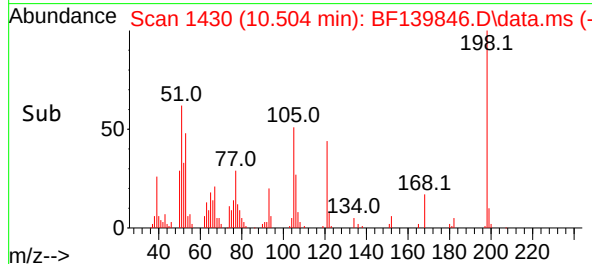
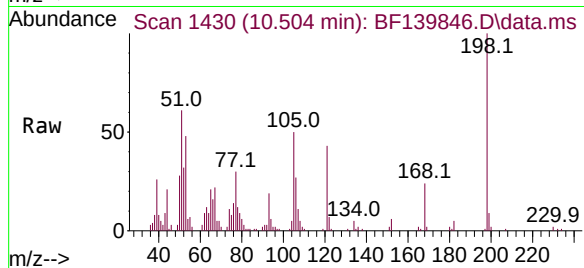




#65
4,6-Dinitro-2-methylphenol
Concen: 6.732 ng
RT: 10.504 min Scan# 1432
Delta R.T. -0.012 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

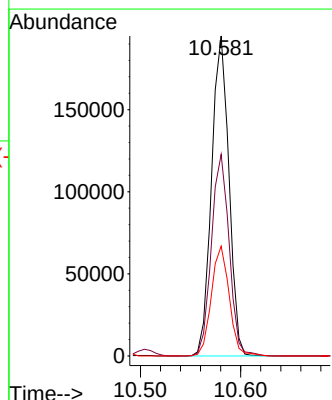
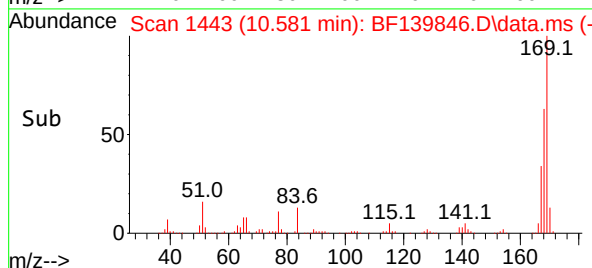
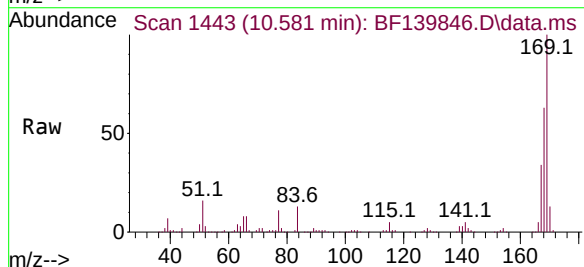
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

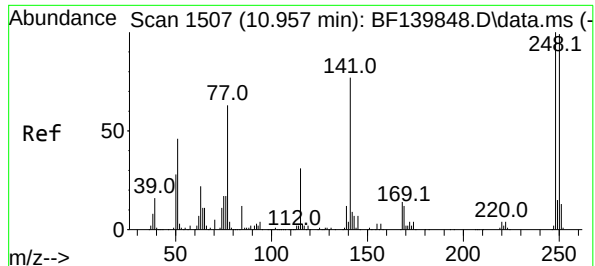
Tgt Ion:198 Resp: 20120
Ion Ratio Lower Upper
198 100
51 61.0 38.2 78.2
105 49.9 27.9 67.9



#66
n-Nitrosodiphenylamine
Concen: 10.705 ng
RT: 10.581 min Scan# 1443
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion:169 Resp: 234741
Ion Ratio Lower Upper
169 100
168 63.0 49.8 74.6
167 34.3 28.0 42.0

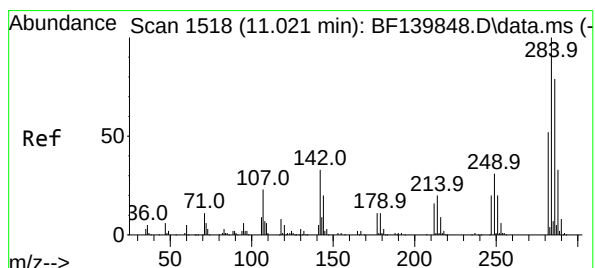
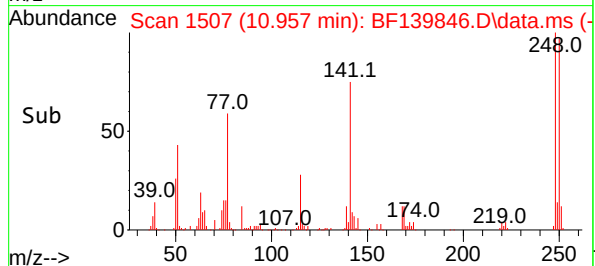
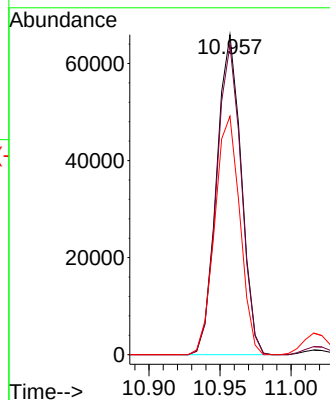
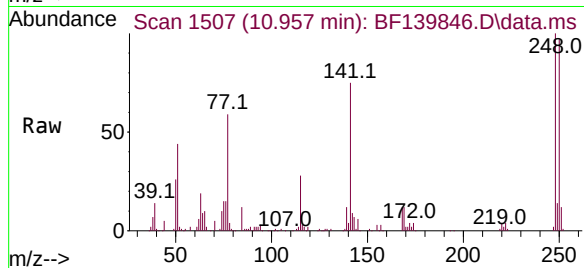




#67
4-Bromophenyl-phenylether
Concen: 10.522 ng
RT: 10.957 min Scan# 1507
Delta R.T. 0.000 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

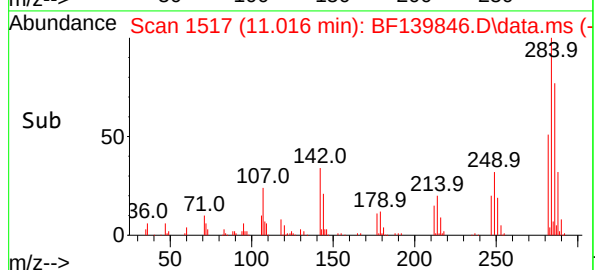
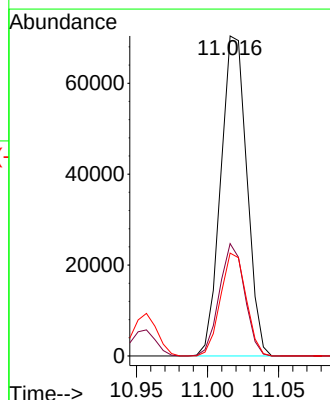
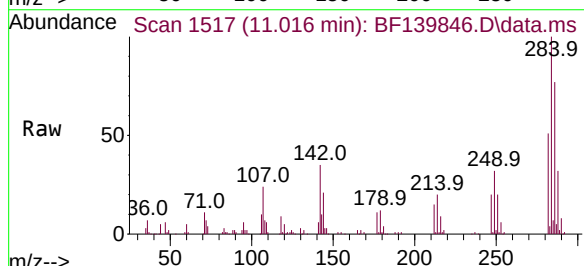
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

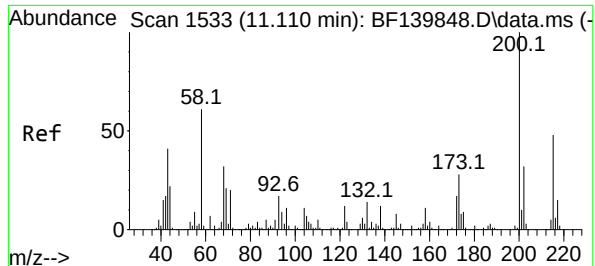
Tgt Ion:248 Resp: 79420
Ion Ratio Lower Upper
248 100
250 96.8 79.0 118.6
141 74.5 61.7 92.5



#68
Hexachlorobenzene
Concen: 10.594 ng
RT: 11.016 min Scan# 1517
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion:284 Resp: 89927
Ion Ratio Lower Upper
284 100
142 35.1 26.9 40.3
249 32.2 25.3 37.9





#69

Atrazine

Concen: 10.819 ng

RT: 11.104 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

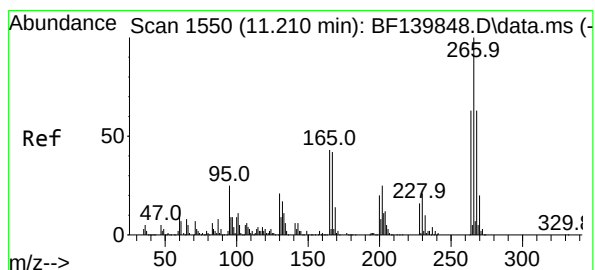
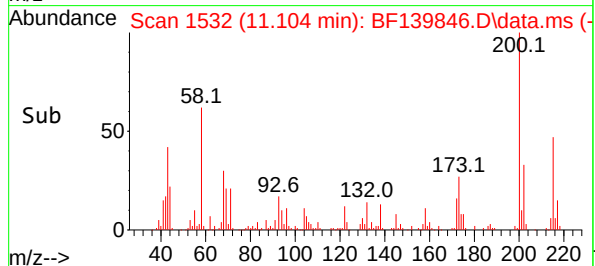
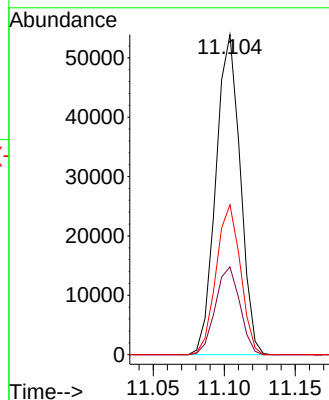
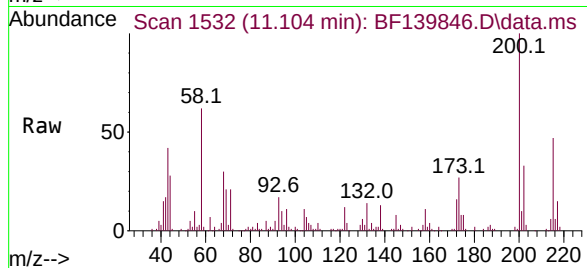
Tgt Ion:200 Resp: 64267

Ion Ratio Lower Upper

200 100

173 27.4 7.7 47.7

215 46.8 27.7 67.7



#70

Pentachlorophenol

Concen: 9.775 ng

RT: 11.210 min Scan# 1550

Delta R.T. 0.000 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

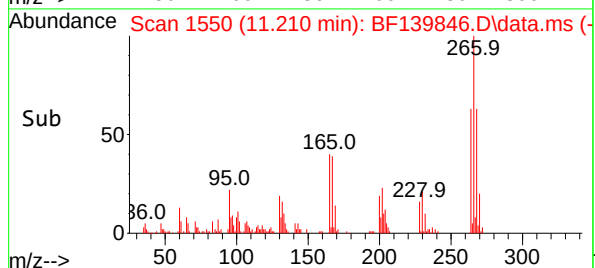
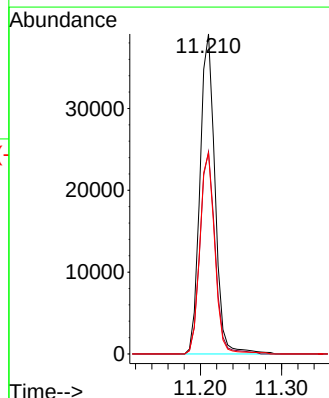
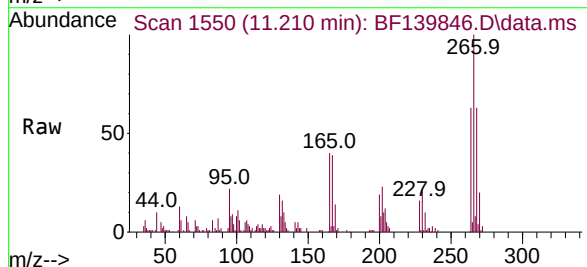
Tgt Ion:266 Resp: 50361

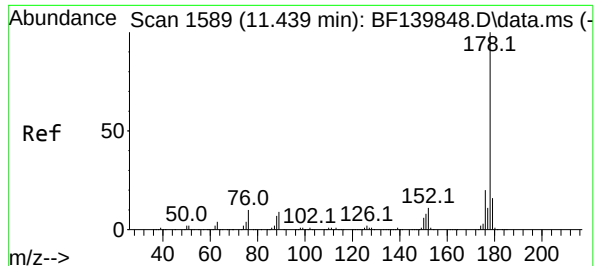
Ion Ratio Lower Upper

266 100

268 63.2 50.4 75.6

264 62.8 50.6 75.8

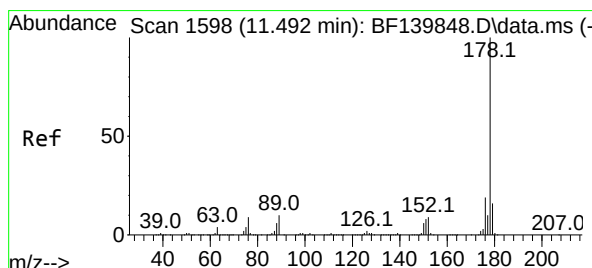
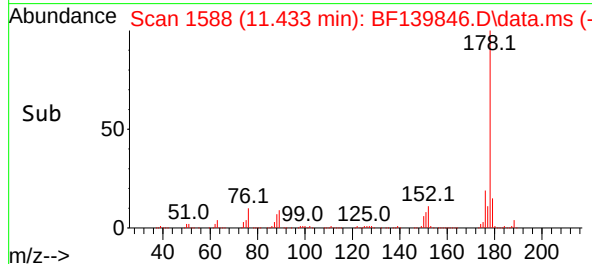
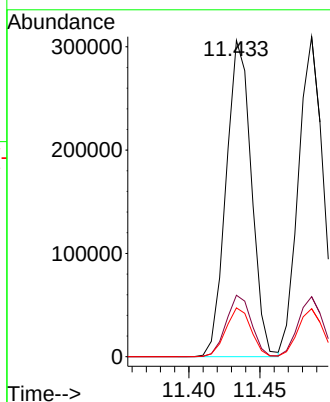
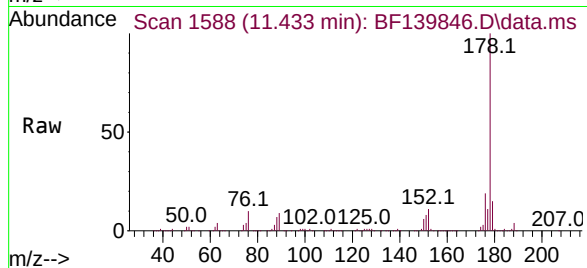




#71
Phenanthrene
Concen: 10.958 ng
RT: 11.433 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

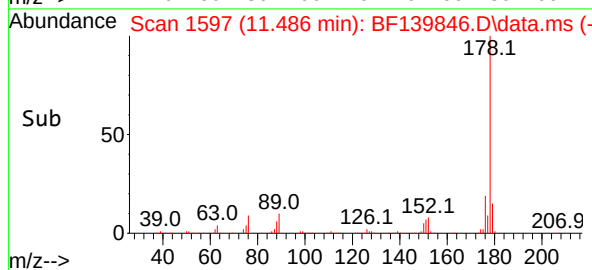
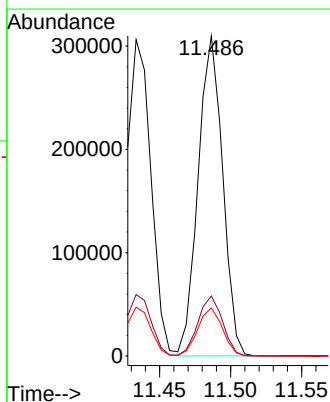
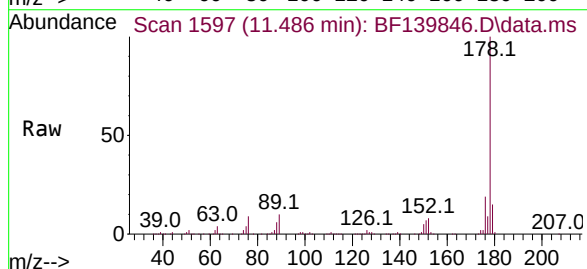
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

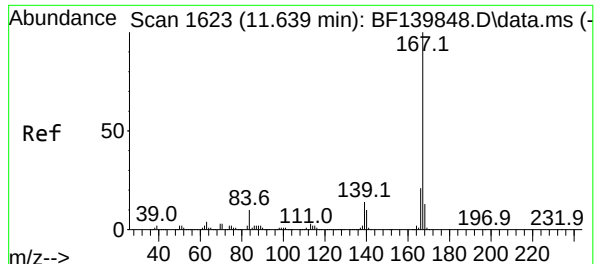
Tgt Ion:178 Resp: 379233
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.6
179 15.4 12.6 18.8



#72
Anthracene
Concen: 10.999 ng
RT: 11.486 min Scan# 1597
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion:178 Resp: 371391
Ion Ratio Lower Upper
178 100
176 18.7 15.3 22.9
179 15.0 12.4 18.6

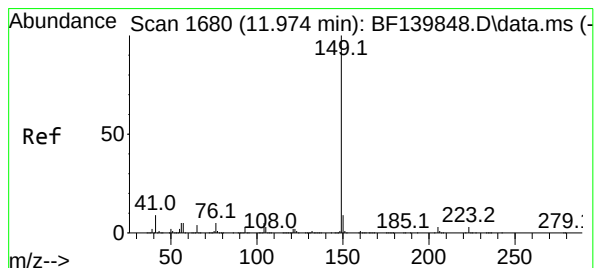
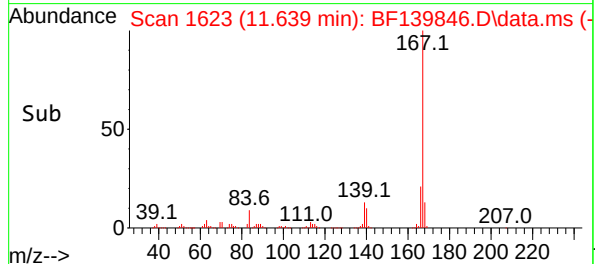
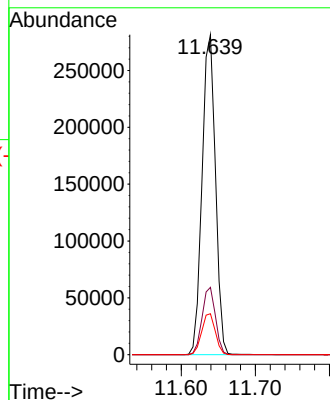
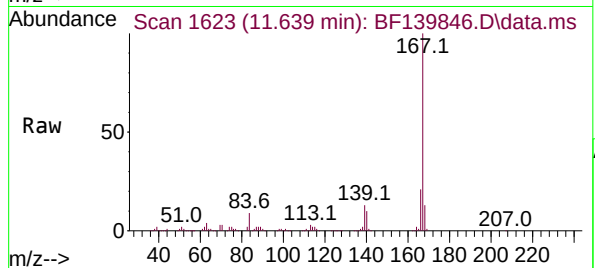




#73
Carbazole
Concen: 11.249 ng
RT: 11.639 min Scan# 1623
Delta R.T. 0.000 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

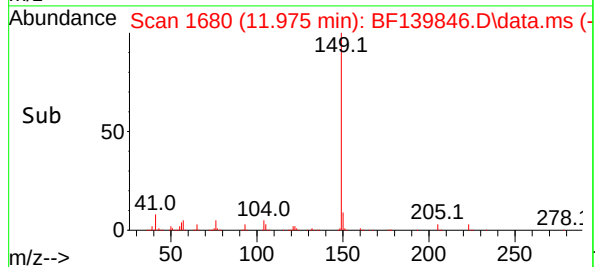
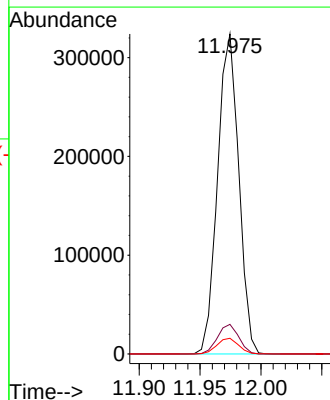
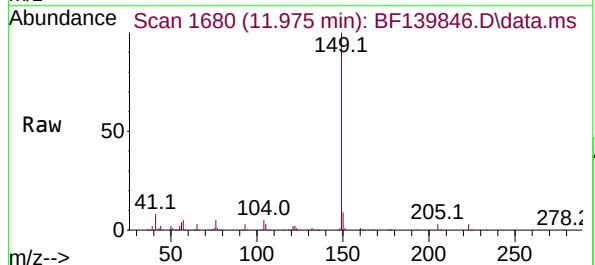
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

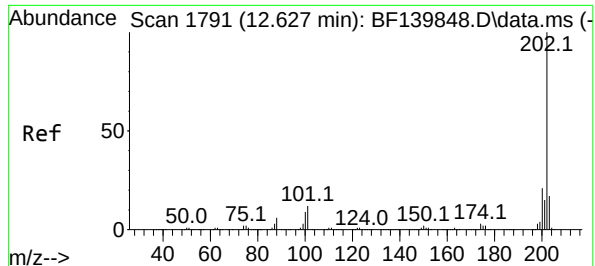
Tgt Ion:167 Resp: 353253
Ion Ratio Lower Upper
167 100
166 21.0 17.0 25.6
139 12.8 10.8 16.2



#74
Di-n-butylphthalate
Concen: 10.818 ng
RT: 11.975 min Scan# 1680
Delta R.T. 0.000 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion:149 Resp: 392482
Ion Ratio Lower Upper
149 100
150 9.2 7.5 11.3
104 4.9 4.1 6.1

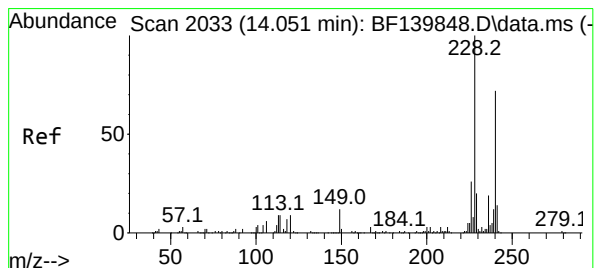
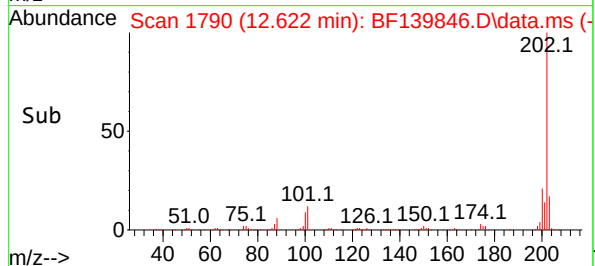
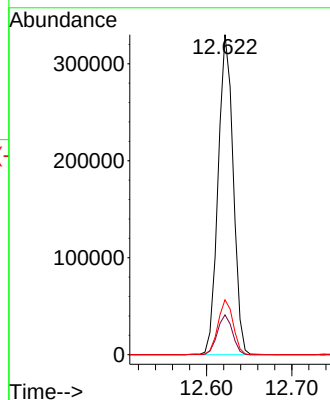
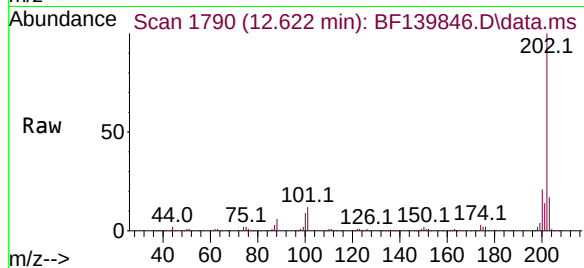




#75
Fluoranthene
Concen: 11.602 ng
RT: 12.622 min Scan# 1791
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

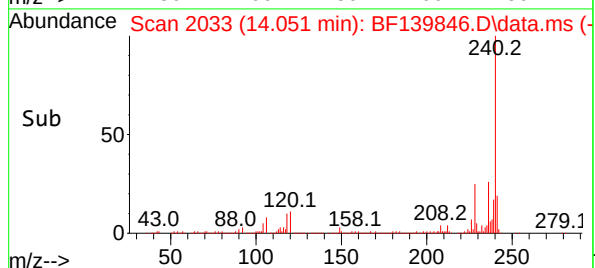
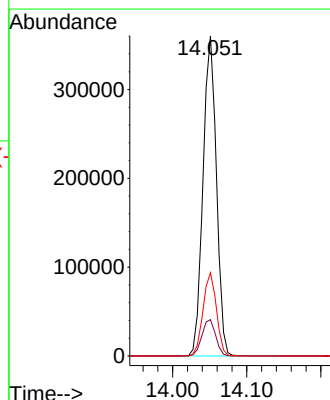
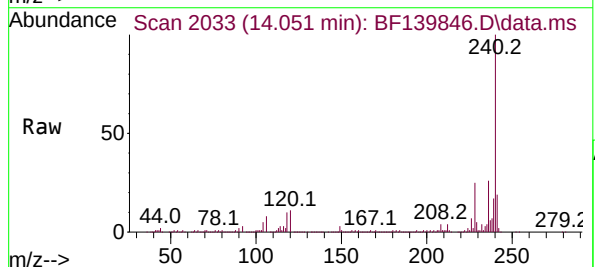
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

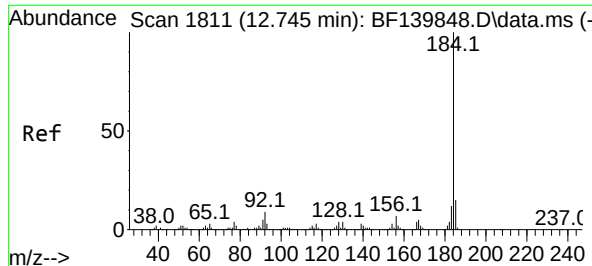
Tgt Ion:202 Resp: 405919
Ion Ratio Lower Upper
202 100
101 12.5 0.0 31.9
203 17.2 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion:240 Resp: 452443
Ion Ratio Lower Upper
240 100
120 11.4 9.4 14.2
236 26.0 20.9 31.3

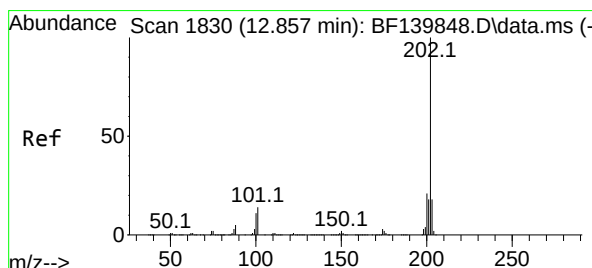
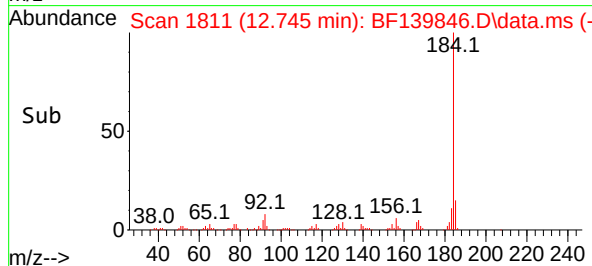
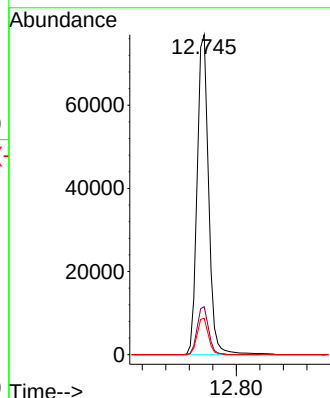
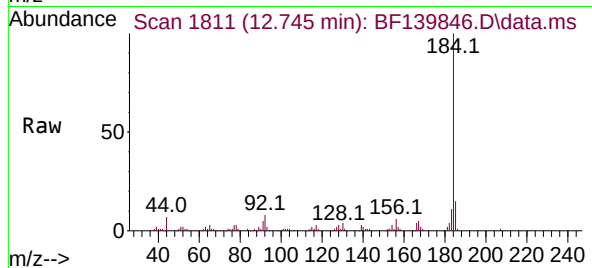




#77
Benzidine
Concen: 14.168 ng
RT: 12.745 min Scan# 1811
Delta R.T. 0.000 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

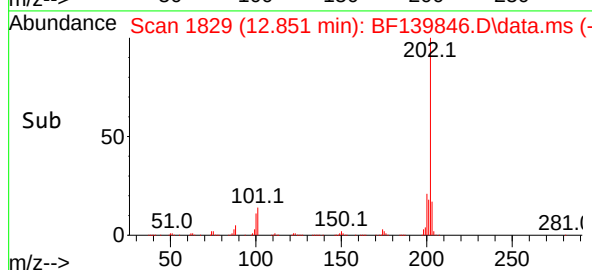
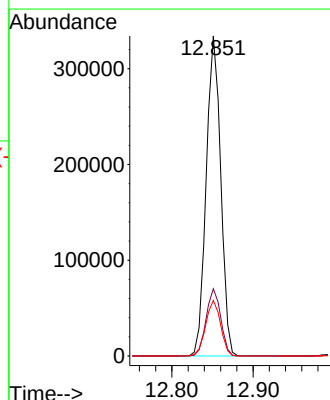
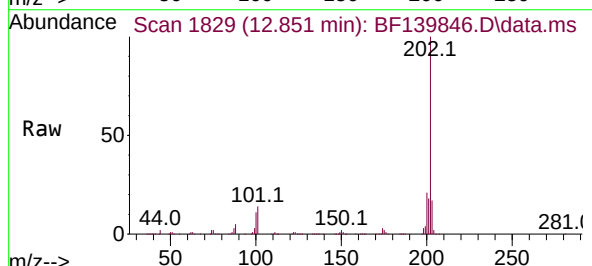
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

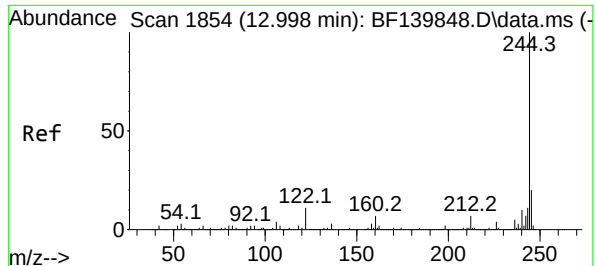
Tgt Ion:184 Resp: 104253
Ion Ratio Lower Upper
184 100
185 15.0 12.0 18.0
183 11.4 9.4 14.2



#78
Pyrene
Concen: 10.444 ng
RT: 12.851 min Scan# 1829
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion:202 Resp: 413606
Ion Ratio Lower Upper
202 100
200 21.0 17.2 25.8
203 17.4 14.2 21.4





#79

Terphenyl-d14

Concen: 21.745 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.000 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

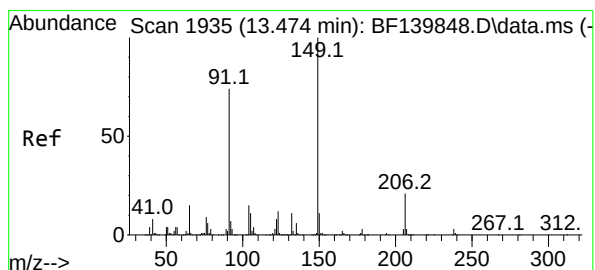
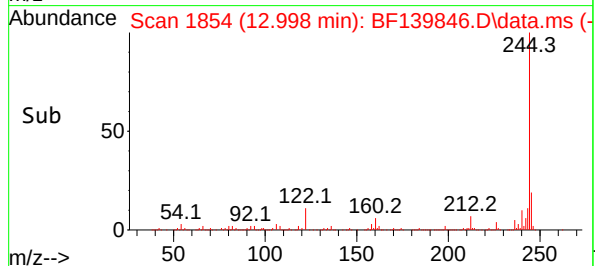
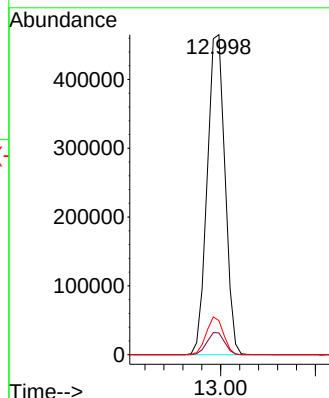
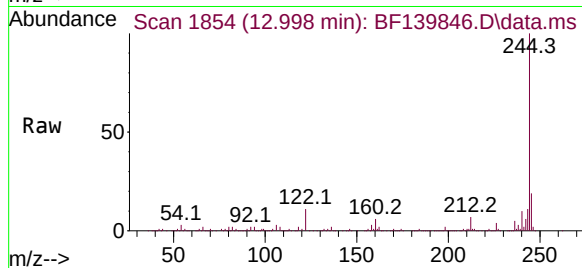
Tgt Ion:244 Resp: 603787

Ion Ratio Lower Upper

244 100

212 6.8 5.7 8.5

122 10.6 8.6 13.0



#80

Butylbenzylphthalate

Concen: 9.774 ng

RT: 13.474 min Scan# 1935

Delta R.T. 0.000 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

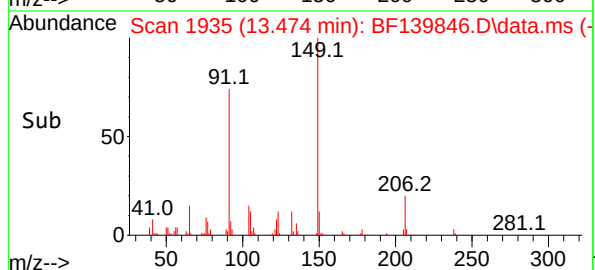
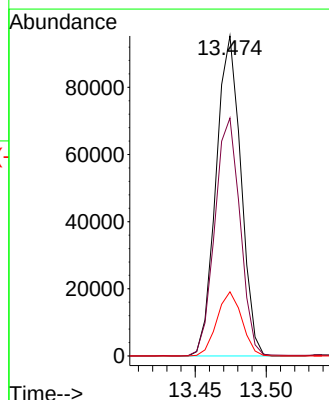
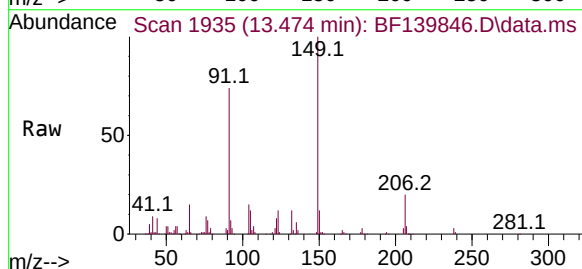
Tgt Ion:149 Resp: 116053

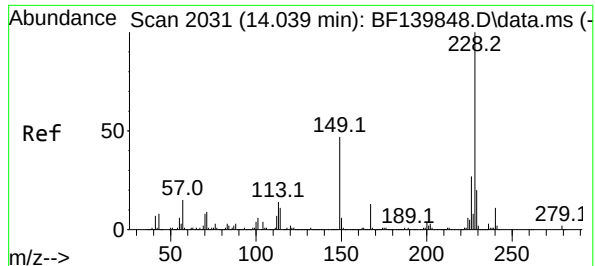
Ion Ratio Lower Upper

149 100

91 74.4 59.4 89.2

206 20.1 16.4 24.6

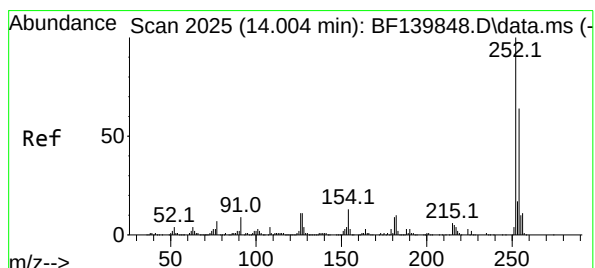
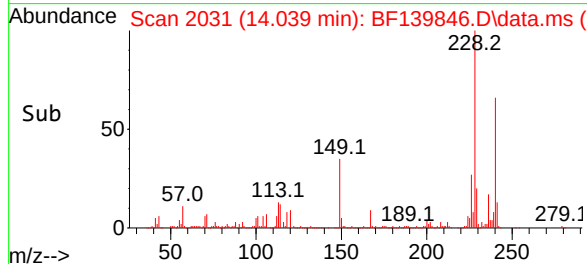
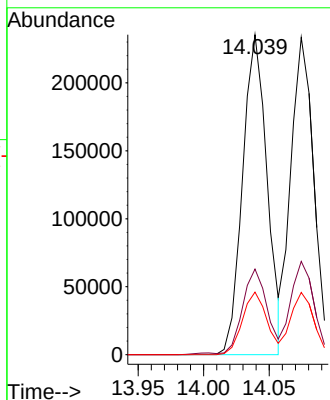
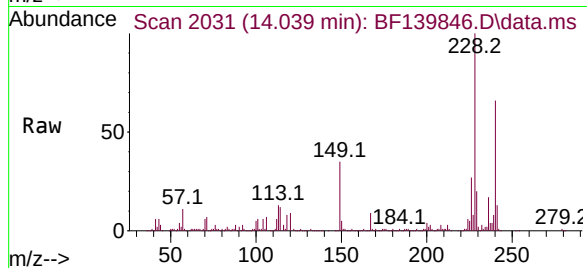




#81
Benzo(a)anthracene
Concen: 10.410 ng
RT: 14.039 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

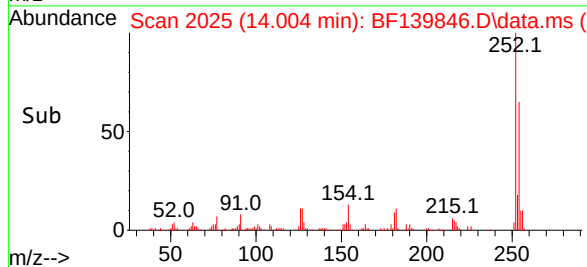
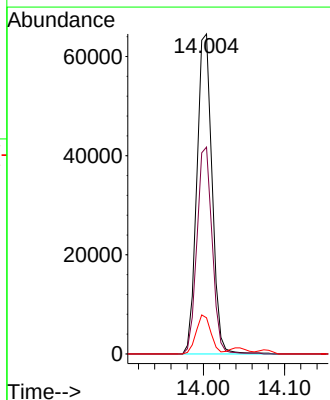
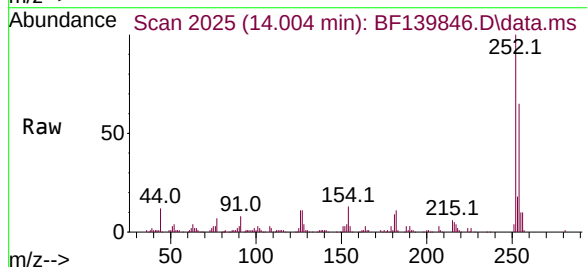
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

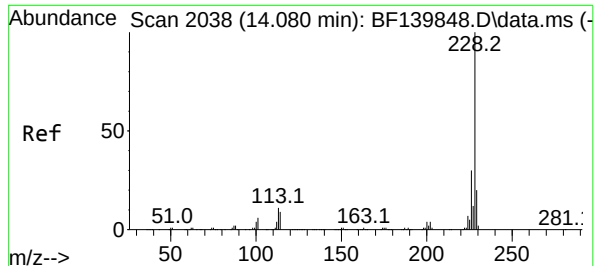
Tgt Ion:228 Resp: 306594
Ion Ratio Lower Upper
228 100
226 26.7 21.6 32.4
229 19.5 16.1 24.1



#82
3,3'-Dichlorobenzidine
Concen: 9.806 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion:252 Resp: 84205
Ion Ratio Lower Upper
252 100
254 64.7 50.8 76.2
126 11.3 8.9 13.3

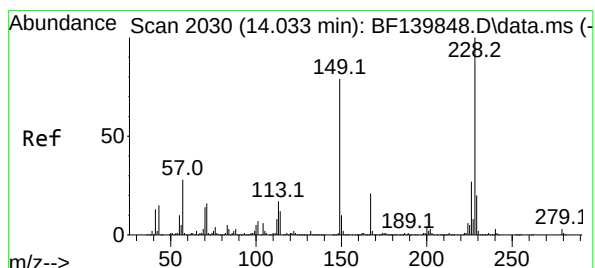
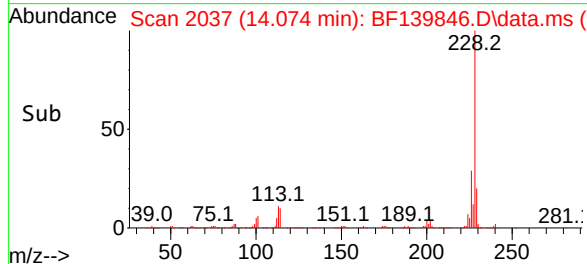
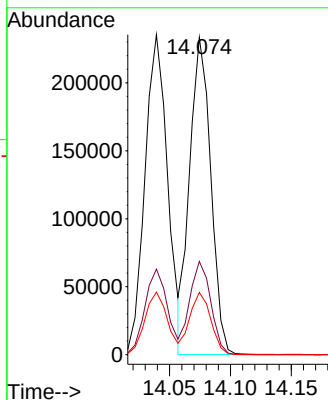
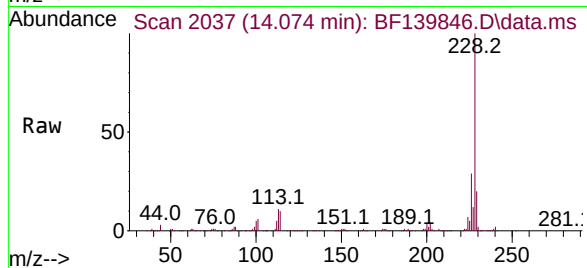




#83
Chrysene
Concen: 10.423 ng
RT: 14.074 min Scan# 2037
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

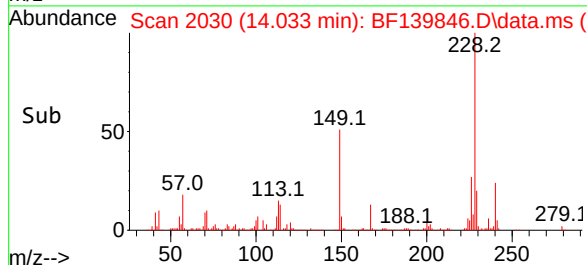
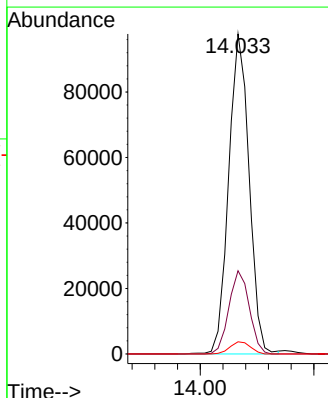
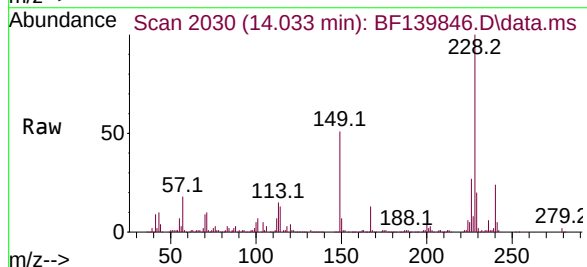
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

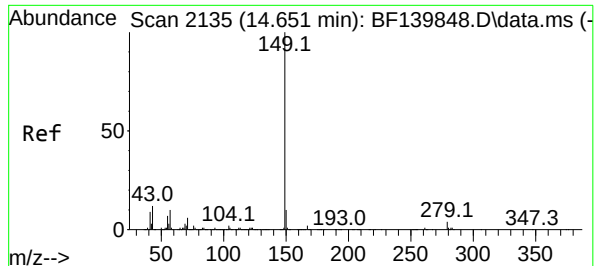
Tgt Ion:228 Resp: 281467
Ion Ratio Lower Upper
228 100
226 29.4 24.1 36.1
229 19.6 15.8 23.6



#84
Bis(2-ethylhexyl)phthalate
Concen: 9.153 ng
RT: 14.033 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion:149 Resp: 121932
Ion Ratio Lower Upper
149 100
167 26.0 21.4 32.0
279 3.8 3.0 4.4

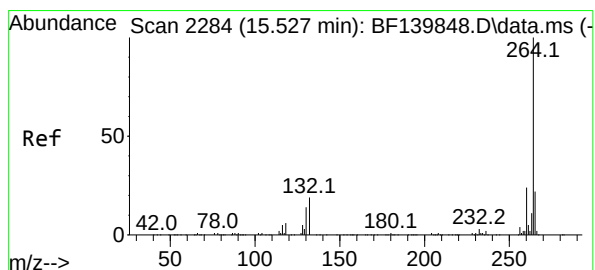
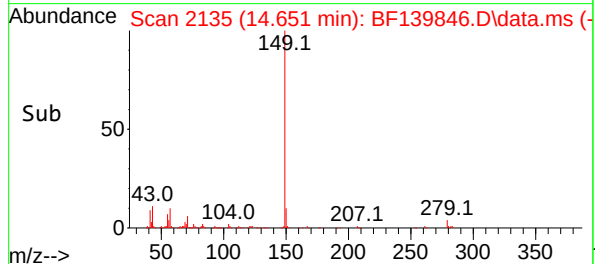
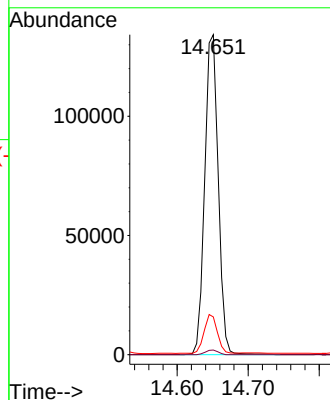
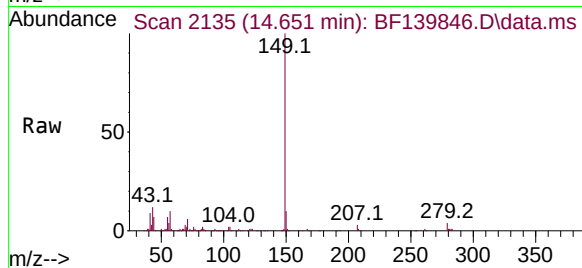




#85
Di-n-octyl phthalate
Concen: 7.339 ng
RT: 14.651 min Scan# 2135
Delta R.T. -0.000 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

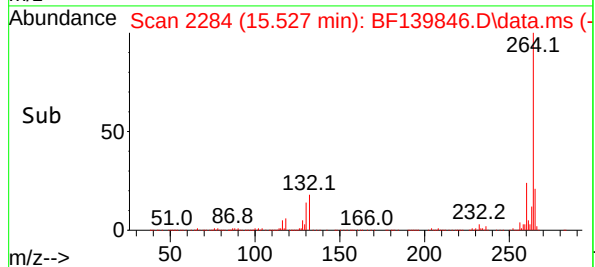
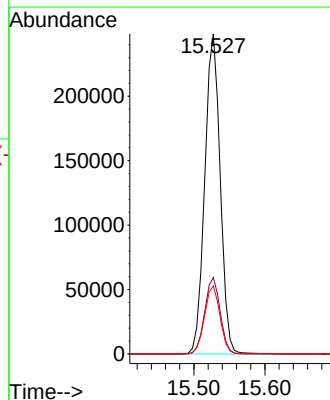
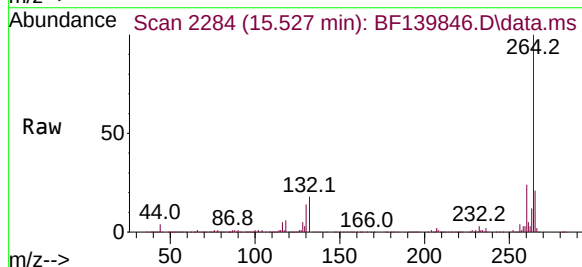
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

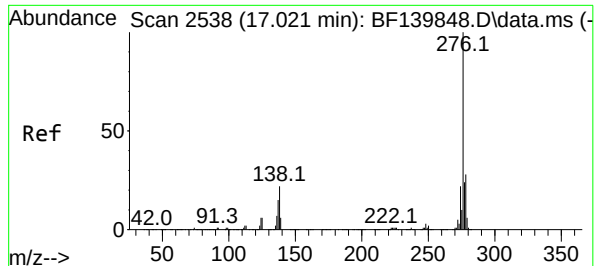
Tgt Ion:149 Resp: 177824
Ion Ratio Lower Upper
149 100
167 1.4 1.2 1.8
43 11.8 9.8 14.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2284
Delta R.T. 0.000 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion:264 Resp: 375863
Ion Ratio Lower Upper
264 100
260 23.9 19.4 29.2
265 21.3 17.4 26.0

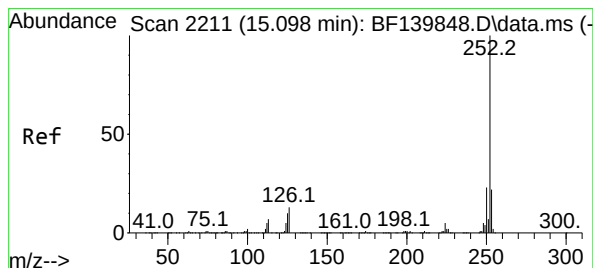
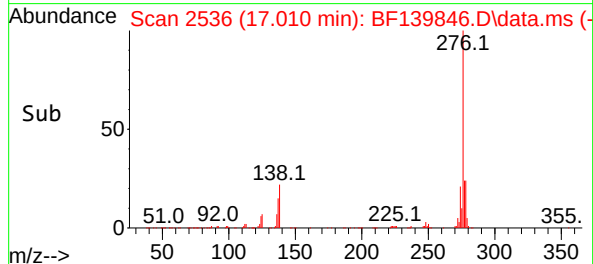
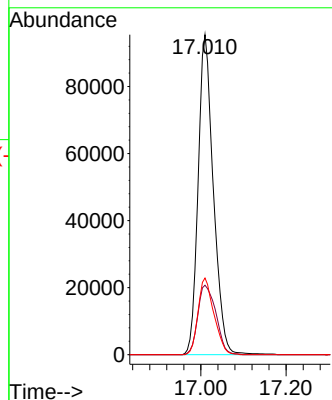
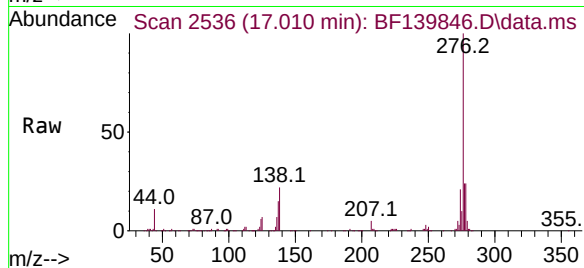




#87
Indeno(1,2,3-cd)pyrene
Concen: 9.798 ng
RT: 17.010 min Scan# 2110
Delta R.T. -0.012 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

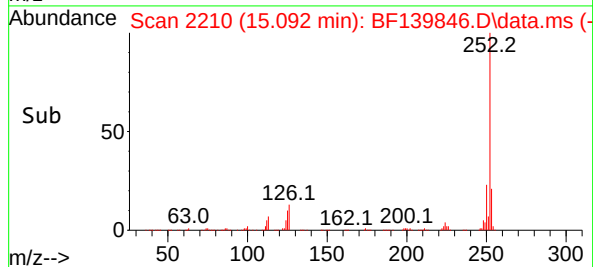
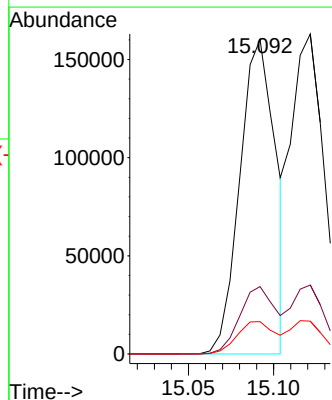
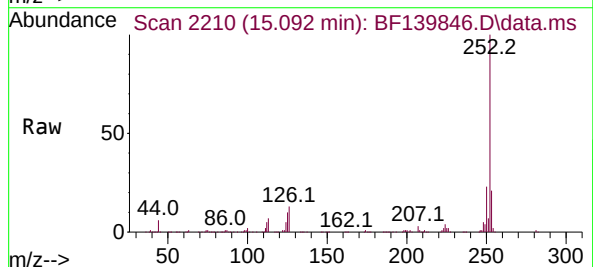
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

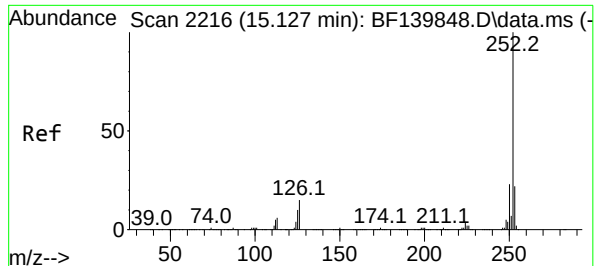
Tgt Ion:276 Resp: 236914
Ion Ratio Lower Upper
276 100
138 25.8 20.4 30.6
277 25.0 20.2 30.4



#88
Benzo(b)fluoranthene
Concen: 10.176 ng
RT: 15.092 min Scan# 2210
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion:252 Resp: 232988
Ion Ratio Lower Upper
252 100
253 21.4 17.6 26.4
125 10.3 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 11.203 ng

RT: 15.121 min Scan# 2216

Delta R.T. -0.006 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

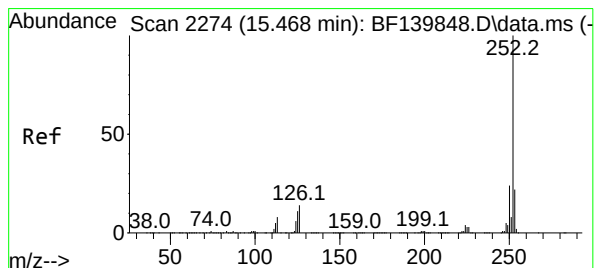
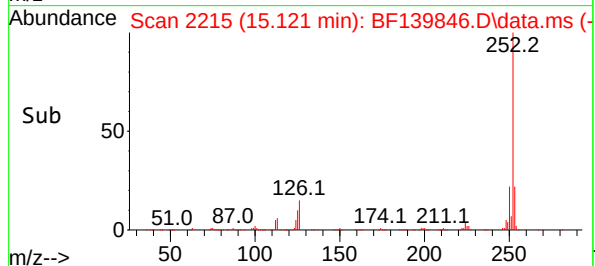
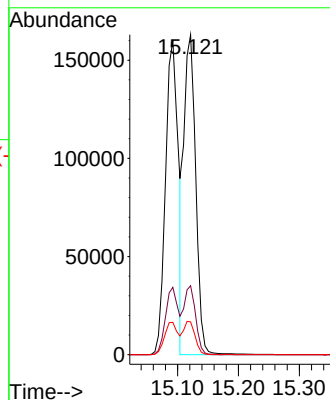
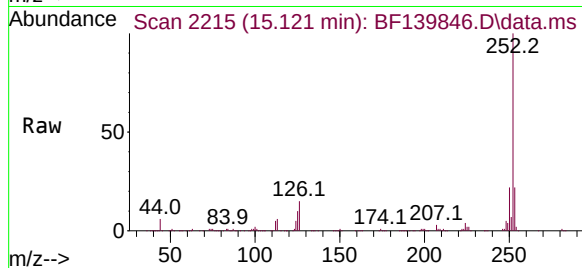
Tgt Ion:252 Resp: 221219

Ion Ratio Lower Upper

252 100

253 21.5 17.6 26.4

125 10.2 7.9 11.9



#90

Benzo(a)pyrene

Concen: 10.217 ng

RT: 15.463 min Scan# 2273

Delta R.T. -0.006 min

Lab File: BF139846.D

Acq: 18 Oct 2024 11:23

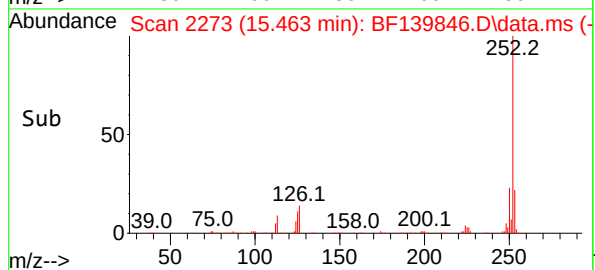
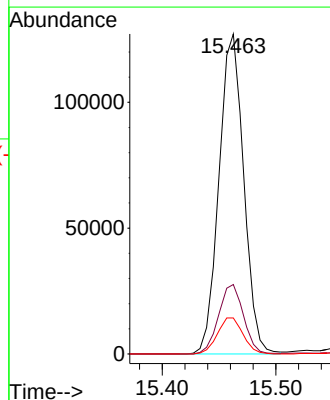
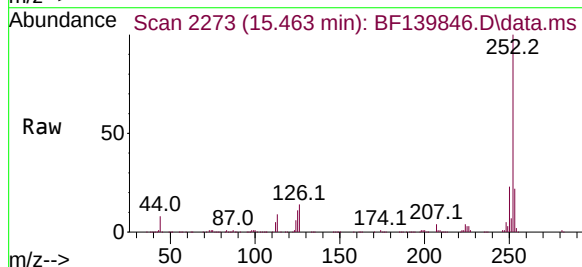
Tgt Ion:252 Resp: 192493

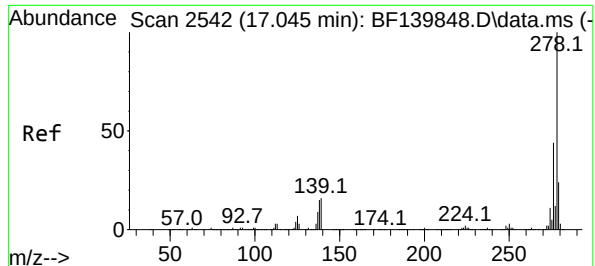
Ion Ratio Lower Upper

252 100

253 21.7 17.3 25.9

125 11.3 8.7 13.1

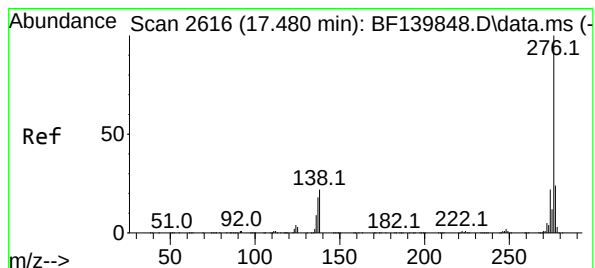
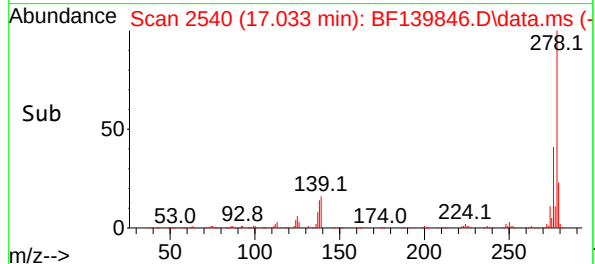
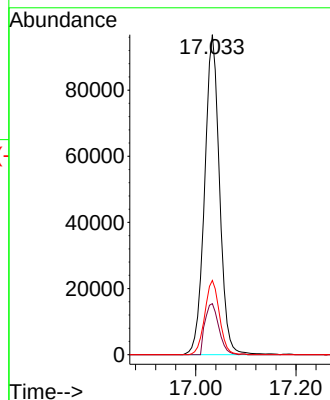
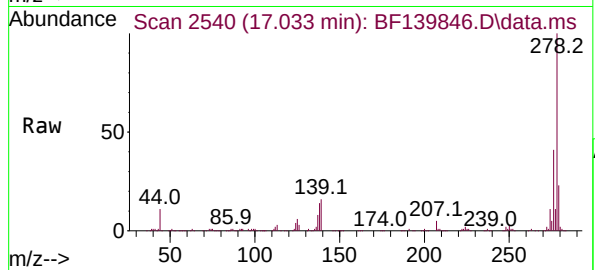




#91
Dibenzo(a,h)anthracene
Concen: 9.912 ng
RT: 17.033 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

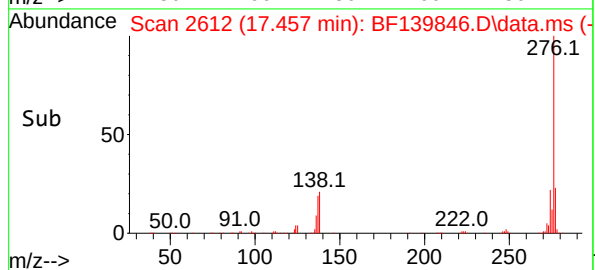
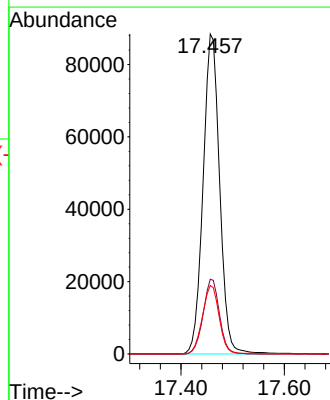
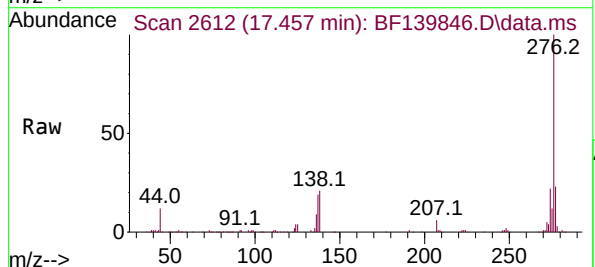
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:278 Resp: 199946
Ion Ratio Lower Upper
278 100
139 16.0 13.1 19.7
279 23.2 19.0 28.4



#92
Benzo(g,h,i)perylene
Concen: 9.758 ng
RT: 17.457 min Scan# 2612
Delta R.T. -0.023 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion:276 Resp: 196609
Ion Ratio Lower Upper
276 100
277 23.3 19.0 28.6
138 21.4 17.4 26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101824\
 Data File : BF139847.D
 Acq On : 18 Oct 2024 11:52
 Operator : RC/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC020

Quant Time: Oct 18 14:18:00 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 14:11:20 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	192582	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	735124	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	413023	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	724973	20.000	ng	0.00
76) Chrysene-d12	14.051	240	402251	20.000	ng	0.00
86) Perylene-d12	15.527	264	371811	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	512648	41.673	ng	0.00
7) Phenol-d6	6.504	99	658086	41.304	ng	0.00
23) Nitrobenzene-d5	7.451	82	546550	41.206	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	159165	41.199	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1057523	42.316	ng	0.00
79) Terphenyl-d14	12.998	244	1078101	43.673	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.681	88	116188	20.257	ng	98
3) Pyridine	3.440	79	293019	20.611	ng	98
4) n-Nitrosodimethylamine	3.381	42	153824	20.138	ng	99
6) Aniline	6.551	93	311561	20.982	ng	99
8) 2-Chlorophenol	6.669	128	261502	20.794	ng	98
9) Benzaldehyde	6.440	77	200586	22.379	ng	98
10) Phenol	6.516	94	338933	20.269	ng	98
11) bis(2-Chloroethyl)ether	6.622	93	261690	20.612	ng	99
12) 1,3-Dichlorobenzene	6.828	146	297432	20.603	ng	99
13) 1,4-Dichlorobenzene	6.910	146	300107	20.808	ng	98
14) 1,2-Dichlorobenzene	7.063	146	284645	21.146	ng	99
15) Benzyl Alcohol	7.022	79	242106	20.715	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.163	45	453174	20.933	ng	99
17) 2-Methylphenol	7.128	107	218455	20.371	ng	99
18) Hexachloroethane	7.404	117	105775	20.566	ng	98
19) n-Nitroso-di-n-propyla...	7.293	70	197390	20.427	ng	97
20) 3+4-Methylphenols	7.281	107	292795	21.346	ng	96
22) Acetophenone	7.293	105	379127	21.056	ng	99
24) Nitrobenzene	7.469	77	299625	20.604	ng	99
25) Isophorone	7.704	82	516119	20.502	ng	100
26) 2-Nitrophenol	7.787	139	110497	20.141	ng	97
27) 2,4-Dimethylphenol	7.816	122	187930	20.544	ng	98
28) bis(2-Chloroethoxy)met...	7.916	93	317497	20.816	ng	99
29) 2,4-Dichlorophenol	8.016	162	215409	20.673	ng	98
30) 1,2,4-Trichlorobenzene	8.110	180	238559	20.691	ng	100
31) Naphthalene	8.192	128	801971	21.153	ng	99
32) Benzoic acid	7.892	122	152028	19.054	ng	99
33) 4-Chloroaniline	8.239	127	270435	20.919	ng	98
34) Hexachlorobutadiene	8.310	225	149527	20.641	ng	100
35) Caprolactam	8.587	113	67624	20.411	ng	100
36) 4-Chloro-3-methylphenol	8.704	107	238461	20.668	ng	100
37) 2-Methylnaphthalene	8.881	142	489343	21.075	ng	100
38) 1-Methylnaphthalene	8.981	142	481797	21.149	ng	100
40) 1,2,4,5-Tetrachloroben...	9.045	216	232025	20.823	ng	99
41) Hexachlorocyclopentadiene	9.039	237	81579	21.041	ng	99
43) 2,4,6-Trichlorophenol	9.157	196	165112	20.930	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101824\
 Data File : BF139847.D
 Acq On : 18 Oct 2024 11:52
 Operator : RC/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC020

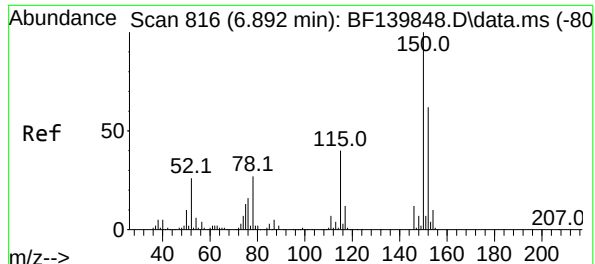
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 14:11:20 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	164517	20.213	ng	98
46) 1,1'-Biphenyl	9.345	154	612342	21.297	ng	99
47) 2-Chloronaphthalene	9.375	162	480916	20.767	ng	99
48) 2-Nitroaniline	9.463	65	146002	20.614	ng	98
49) Acenaphthylene	9.786	152	709161	21.182	ng	99
50) Dimethylphthalate	9.645	163	529745	20.592	ng	100
51) 2,6-Dinitrotoluene	9.704	165	114726	20.596	ng	98
52) Acenaphthene	9.963	154	449770	20.768	ng	99
53) 3-Nitroaniline	9.869	138	122186	21.271	ng	99
54) 2,4-Dinitrophenol	9.975	184	31801	19.148	ng	# 67
55) Dibenzofuran	10.134	168	652249	20.991	ng	98
56) 4-Nitrophenol	10.010	139	93060	21.057	ng	95
57) 2,4-Dinitrotoluene	10.104	165	139381	20.348	ng	98
58) Fluorene	10.475	166	496012	20.958	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	134842	21.133	ng	98
60) Diethylphthalate	10.345	149	523458	20.723	ng	100
61) 4-Chlorophenyl-phenyle...	10.469	204	254950	21.331	ng	97
62) 4-Nitroaniline	10.481	138	111683	20.586	ng	98
63) Azobenzene	10.628	77	559837	20.906	ng	99
65) 4,6-Dinitro-2-methylph...	10.510	198	52180	17.645	ng	100
66) n-Nitrosodiphenylamine	10.581	169	449925	20.736	ng	99
67) 4-Bromophenyl-phenylether	10.957	248	153196	20.512	ng	98
68) Hexachlorobenzene	11.022	284	172091	20.488	ng	99
69) Atrazine	11.104	200	113089	19.240	ng	99
70) Pentachlorophenol	11.210	266	107595	21.106	ng	99
71) Phenanthrene	11.439	178	720363	21.036	ng	100
72) Anthracene	11.486	178	704417	21.083	ng	99
73) Carbazole	11.639	167	669328	21.540	ng	100
74) Di-n-butylphthalate	11.975	149	769779	21.442	ng	99
75) Fluoranthene	12.622	202	751337	21.703	ng	99
77) Benzidine	12.745	184	118035	18.042	ng	100
78) Pyrene	12.851	202	764077	21.700	ng	100
80) Butylbenzylphthalate	13.474	149	215683	20.432	ng	98
81) Benzo(a)anthracene	14.039	228	534525	20.413	ng	100
82) 3,3'-Dichlorobenzidine	14.004	252	156770	20.534	ng	100
83) Chrysene	14.074	228	496447	20.678	ng	99
84) Bis(2-ethylhexyl)phtha...	14.033	149	232200	19.606	ng	99
85) Di-n-octyl phthalate	14.651	149	373952	17.359	ng	100
87) Indeno(1,2,3-cd)pyrene	17.015	276	485858	20.312	ng	100
88) Benzo(b)fluoranthene	15.092	252	490566	21.659	ng	100
89) Benzo(k)fluoranthene	15.121	252	368835	18.883	ng	99
90) Benzo(a)pyrene	15.463	252	378617	20.316	ng	100
91) Dibenzo(a,h)anthracene	17.039	278	410285	20.561	ng	99
92) Benzo(g,h,i)perylene	17.468	276	405140	20.326	ng	99

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

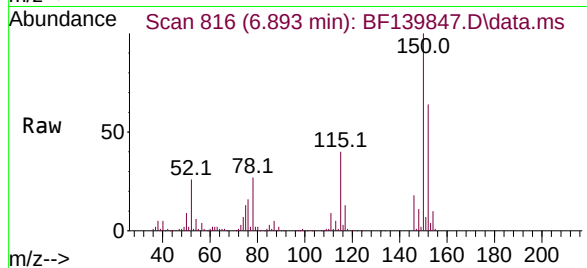
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BNA_F
ClientSampleId :
SSTDICC020

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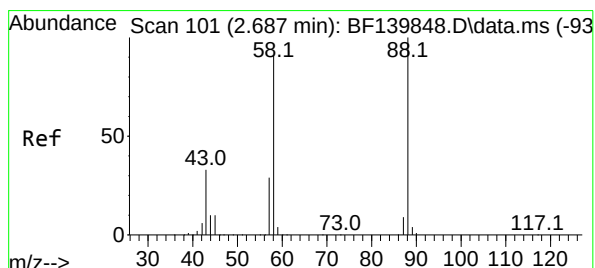
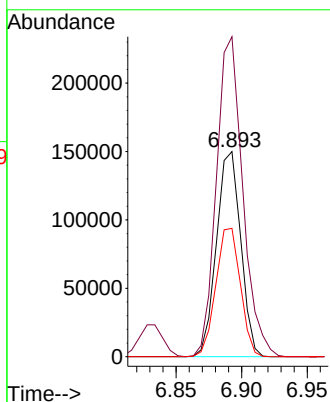
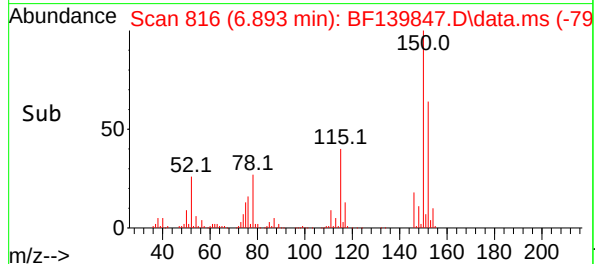


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 81
Delta R.T. 0.001 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

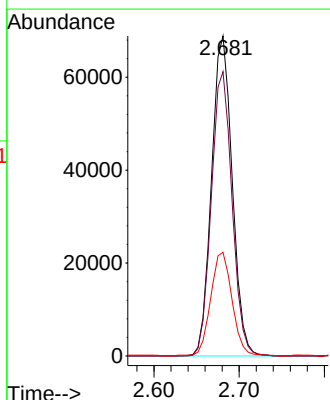
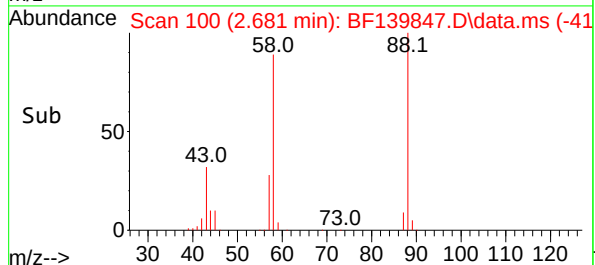
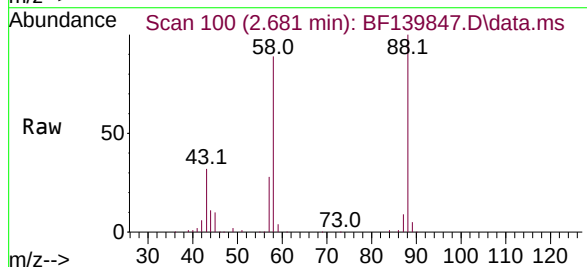


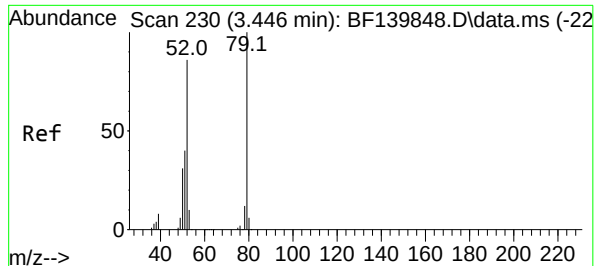
Tgt Ion:152 Resp: 192582
Ion Ratio Lower Upper
152 100
150 156.0 130.2 195.2
115 62.6 51.4 77.2



#2
1,4-Dioxane
Concen: 20.257 ng
RT: 2.681 min Scan# 100
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion: 88 Resp: 116188
Ion Ratio Lower Upper
88 100
58 88.9 73.3 109.9
43 33.6 27.1 40.7





#3

Pyridine

Concen: 20.611 ng

RT: 3.440 min Scan# 219

Delta R.T. -0.006 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

Instrument :

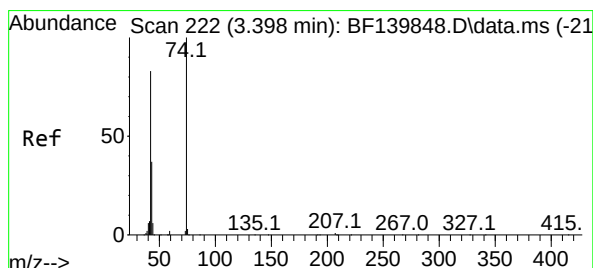
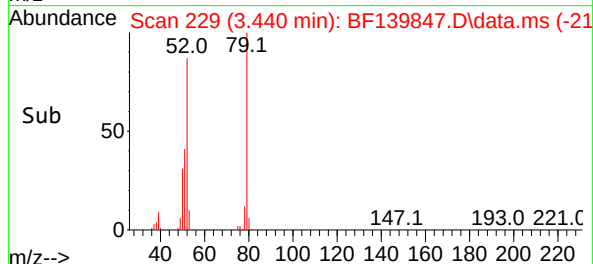
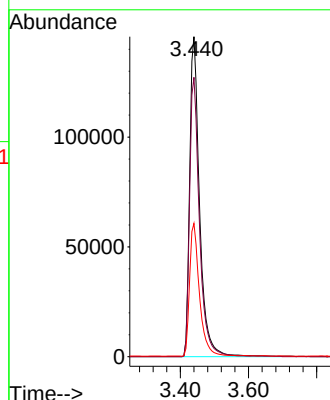
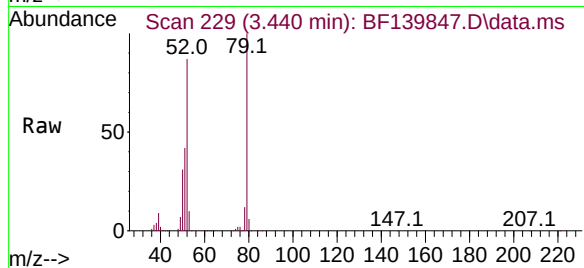
BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion: 79 Resp: 293019

Ion	Ratio	Lower	Upper
79	100		
52	87.3	68.5	102.7
51	41.6	32.3	48.5



#4

n-Nitrosodimethylamine

Concen: 20.138 ng

RT: 3.381 min Scan# 219

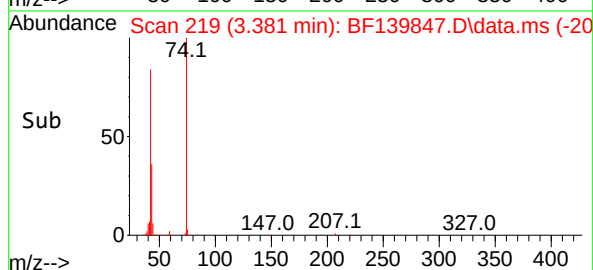
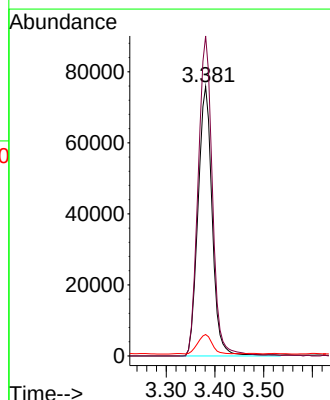
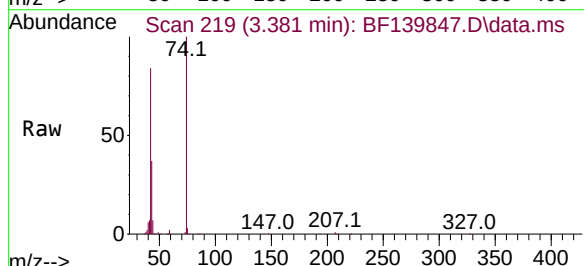
Delta R.T. -0.017 min

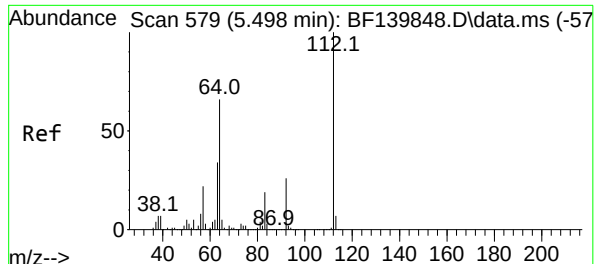
Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

Tgt Ion: 42 Resp: 153824

Ion	Ratio	Lower	Upper
42	100		
74	118.8	96.2	144.4
44	8.0	6.2	9.2

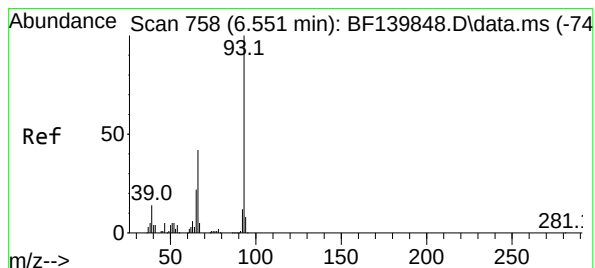
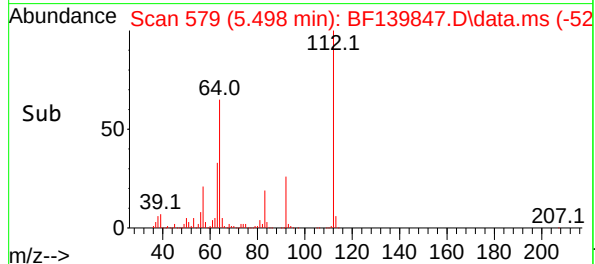
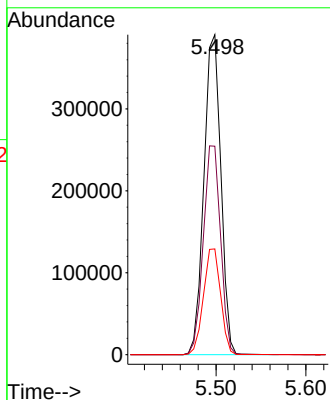
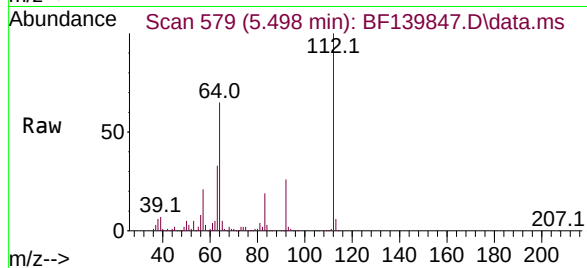




#5
2-Fluorophenol
Concen: 41.673 ng
RT: 5.498 min Scan# 51
Delta R.T. 0.000 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

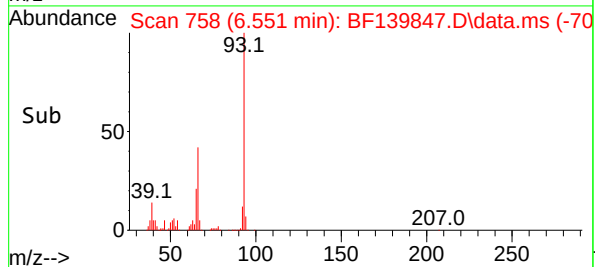
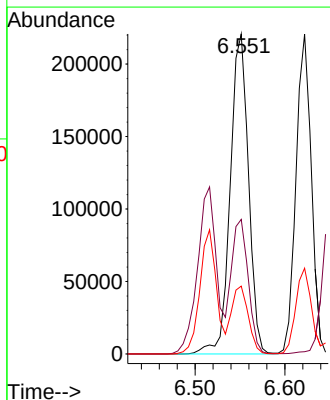
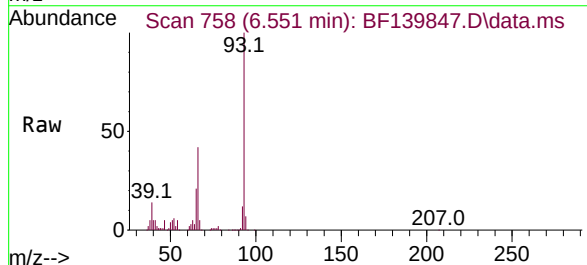
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

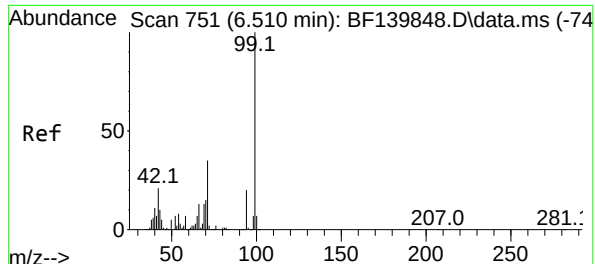
Tgt Ion:112 Resp: 512648
Ion Ratio Lower Upper
112 100
64 65.1 53.0 79.6
63 33.1 27.0 40.4



#6
Aniline
Concen: 20.982 ng
RT: 6.551 min Scan# 758
Delta R.T. 0.000 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion: 93 Resp: 311561
Ion Ratio Lower Upper
93 100
66 42.0 34.0 51.0
65 21.2 17.4 26.0

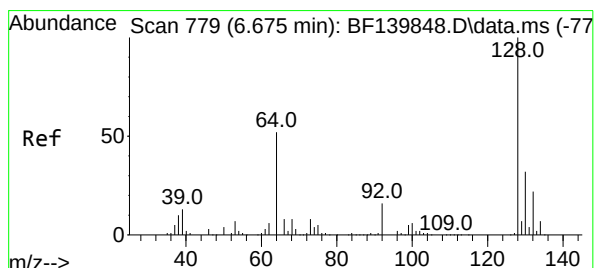
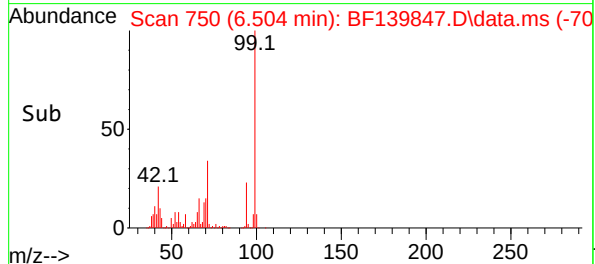
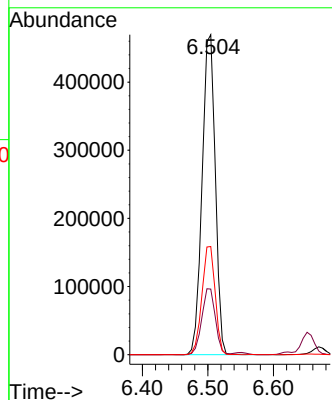
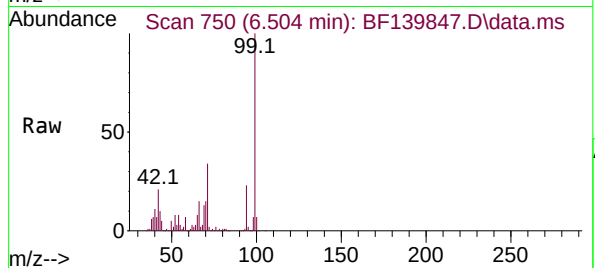




#7
Phenol-d6
Concen: 41.304 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

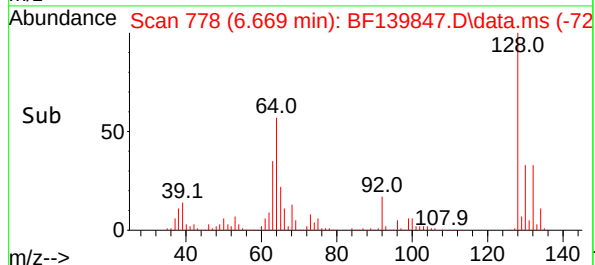
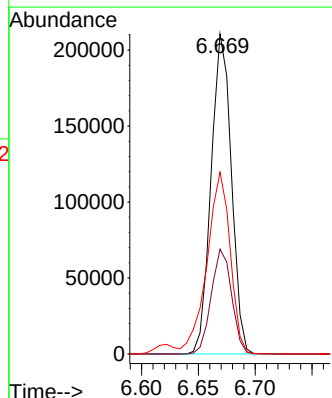
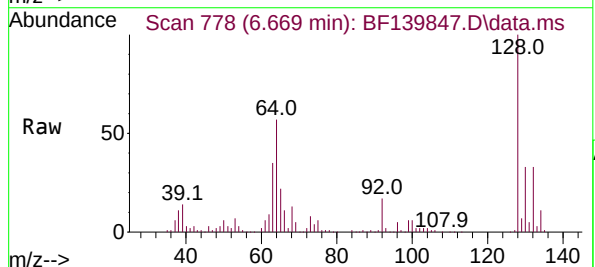
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

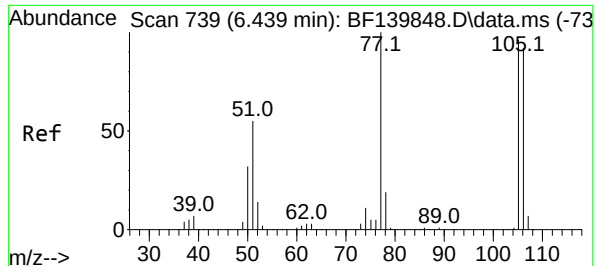
Tgt Ion: 99 Resp: 658086
Ion Ratio Lower Upper
99 100
42 20.5 16.7 25.1
71 33.8 27.7 41.5



#8
2-Chlorophenol
Concen: 20.794 ng
RT: 6.669 min Scan# 778
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion: 128 Resp: 261502
Ion Ratio Lower Upper
128 100
130 32.8 12.3 52.3
64 56.8 34.6 74.6





#9

Benzaldehyde

Concen: 22.379 ng

RT: 6.440 min Scan# 71

Delta R.T. 0.001 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

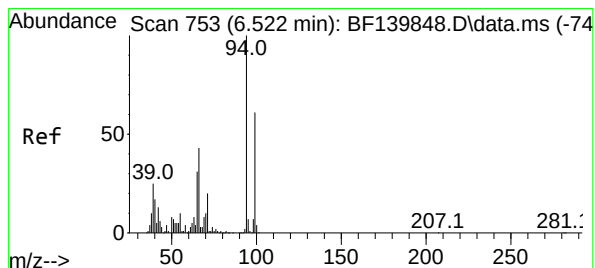
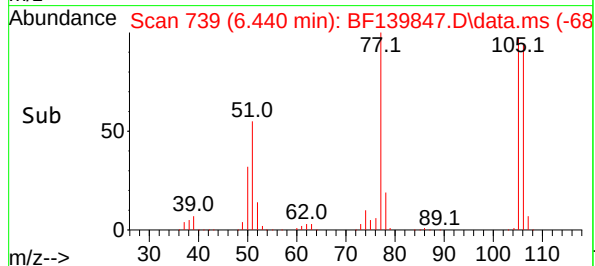
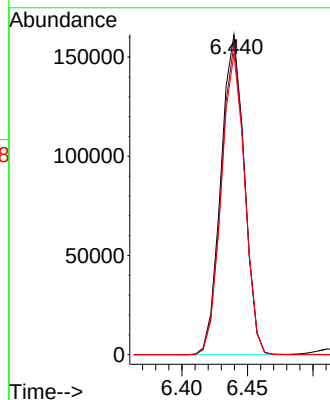
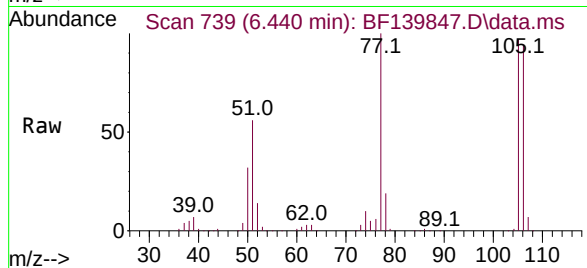
Tgt Ion: 77 Resp: 200586

Ion Ratio Lower Upper

77 100

105 97.1 75.5 115.5

106 94.0 71.7 111.7



#10

Phenol

Concen: 20.269 ng

RT: 6.516 min Scan# 752

Delta R.T. -0.006 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

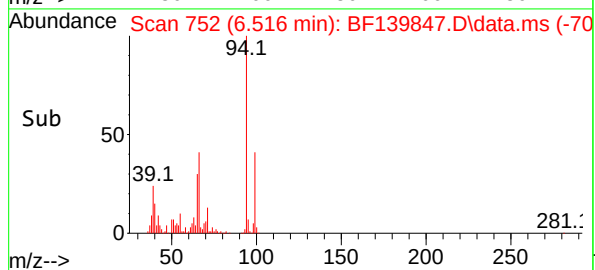
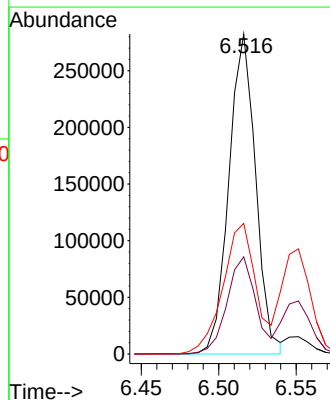
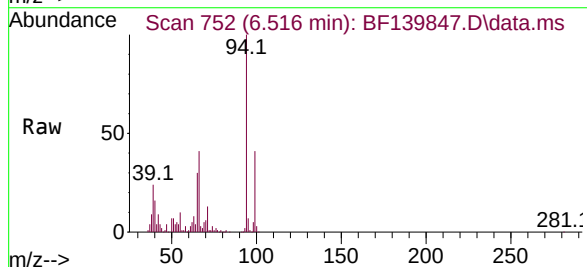
Tgt Ion: 94 Resp: 338933

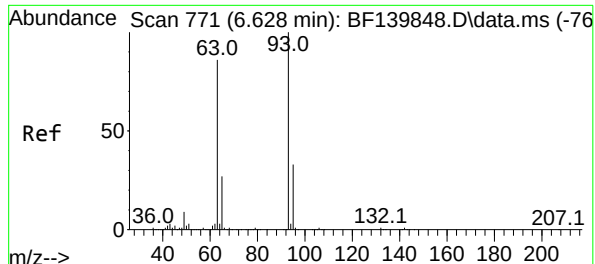
Ion Ratio Lower Upper

94 100

65 30.3 11.1 51.1

66 40.8 22.7 62.7

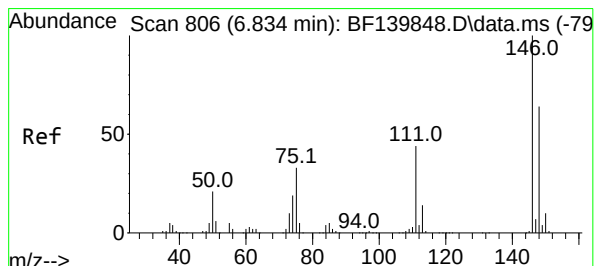
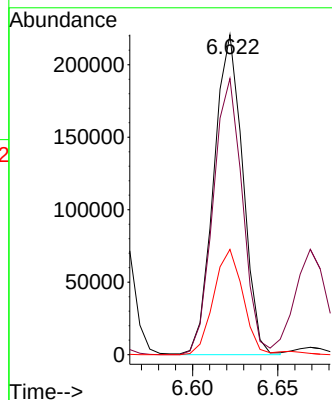
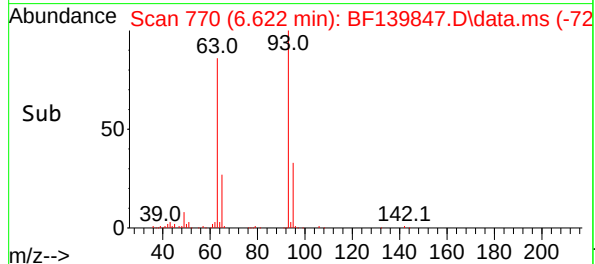
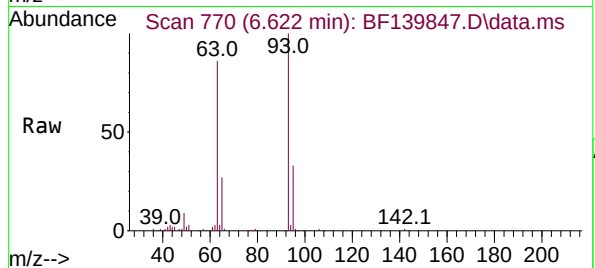




#11
bis(2-Chloroethyl)ether
Concen: 20.612 ng
RT: 6.622 min Scan# 771
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

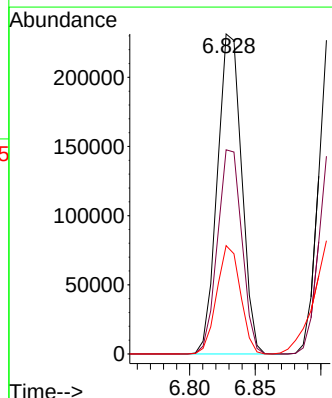
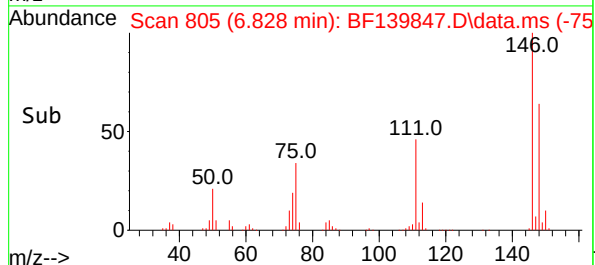
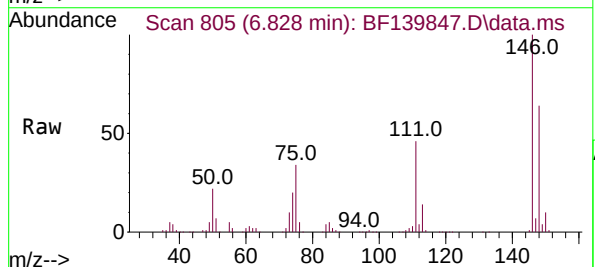
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

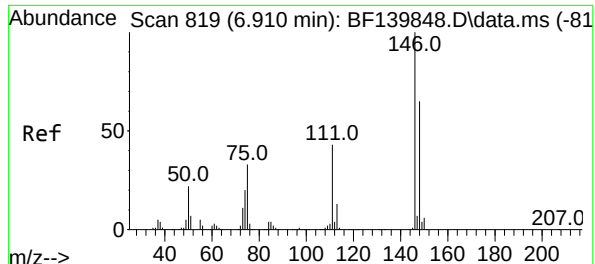
Tgt Ion: 93 Resp: 261690
Ion Ratio Lower Upper
93 100
63 86.3 65.0 105.0
95 32.9 12.4 52.4



#12
1,3-Dichlorobenzene
Concen: 20.603 ng
RT: 6.828 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion: 146 Resp: 297432
Ion Ratio Lower Upper
146 100
148 63.8 51.0 76.4
75 33.9 26.4 39.6





#13

1,4-Dichlorobenzene

Concen: 20.808 ng

RT: 6.910 min Scan# 819

Delta R.T. 0.000 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

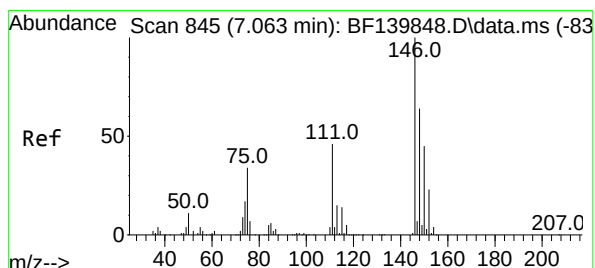
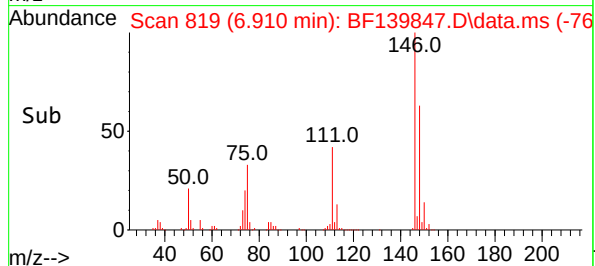
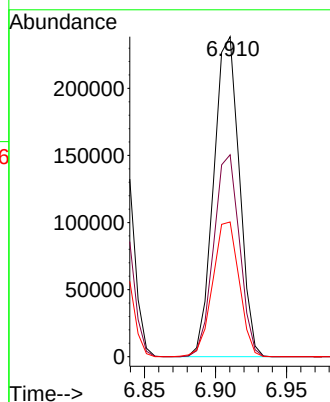
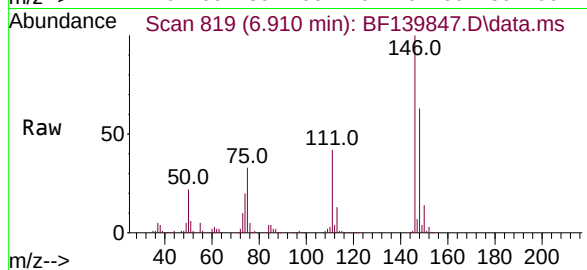
Tgt Ion:146 Resp: 300107

Ion Ratio Lower Upper

146 100

148 63.1 51.8 77.8

111 42.1 34.6 51.8



#14

1,2-Dichlorobenzene

Concen: 21.146 ng

RT: 7.063 min Scan# 845

Delta R.T. 0.000 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

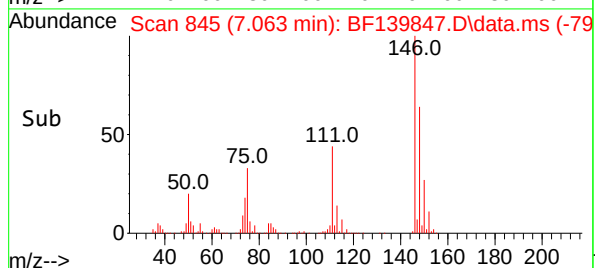
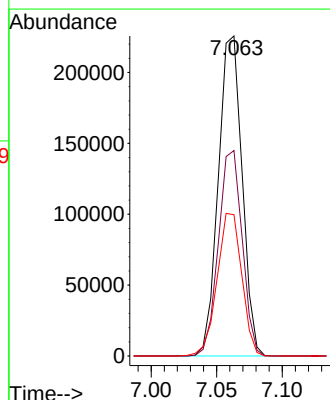
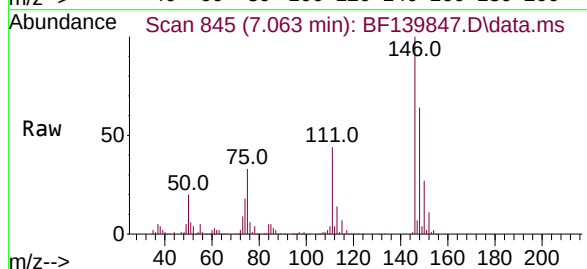
Tgt Ion:146 Resp: 284645

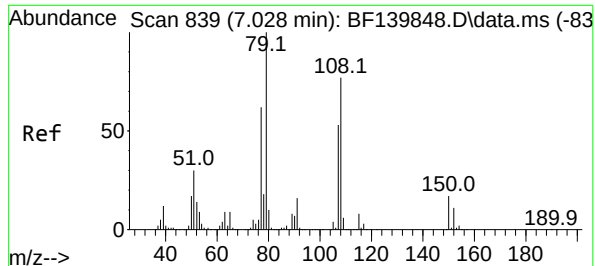
Ion Ratio Lower Upper

146 100

148 64.2 51.4 77.2

111 44.2 36.7 55.1





#15

Benzyl Alcohol

Concen: 20.715 ng

RT: 7.022 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

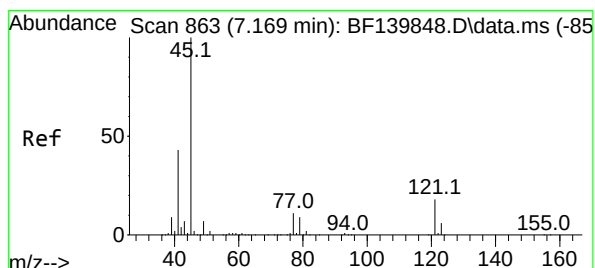
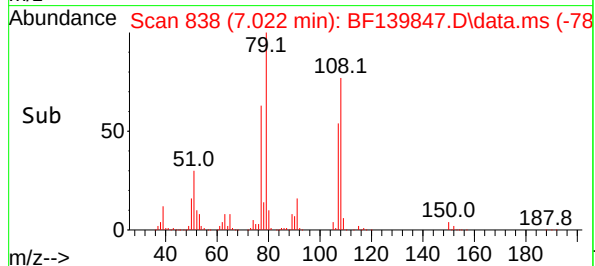
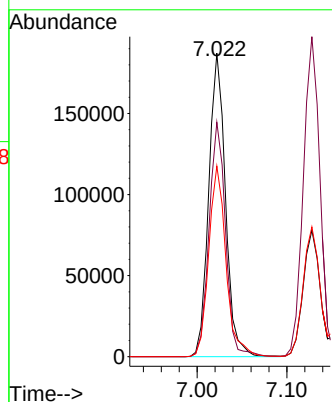
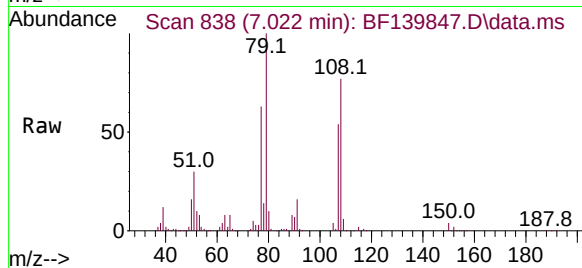
Tgt Ion: 79 Resp: 242106

Ion Ratio Lower Upper

79 100

108 77.2 61.4 92.0

77 62.8 49.9 74.9



#16

2,2'-oxybis(1-Chloropropane)

Concen: 20.933 ng

RT: 7.163 min Scan# 862

Delta R.T. -0.006 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

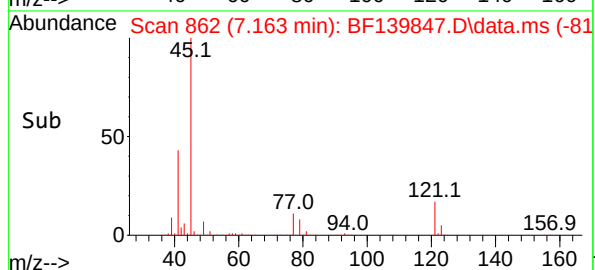
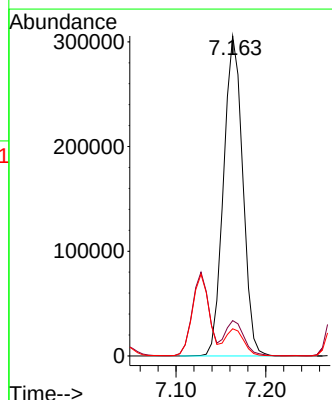
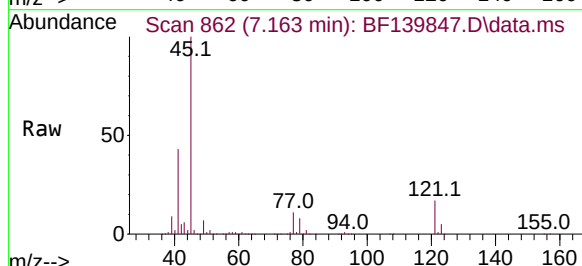
Tgt Ion: 45 Resp: 453174

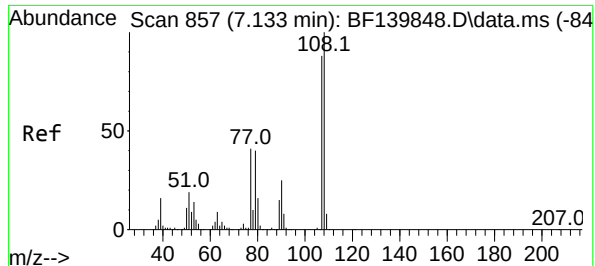
Ion Ratio Lower Upper

45 100

77 11.1 0.0 31.5

79 8.5 0.0 29.1

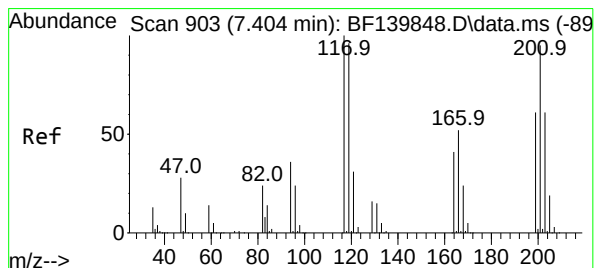
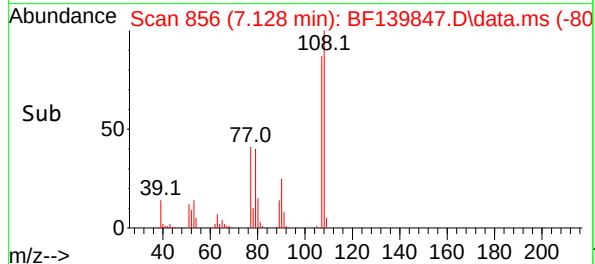
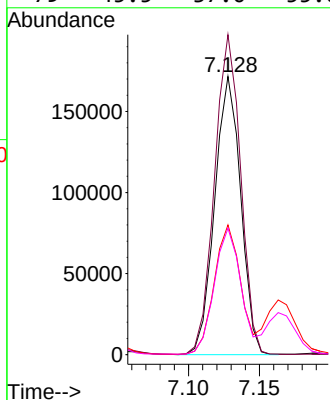
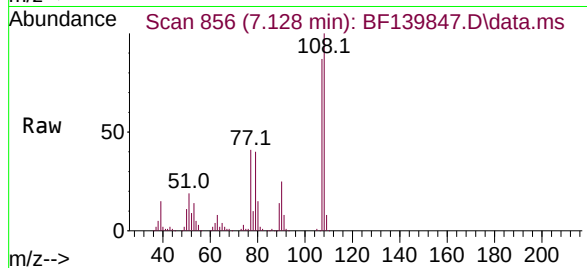




#17
2-Methylphenol
Concen: 20.371 ng
RT: 7.128 min Scan# 856
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

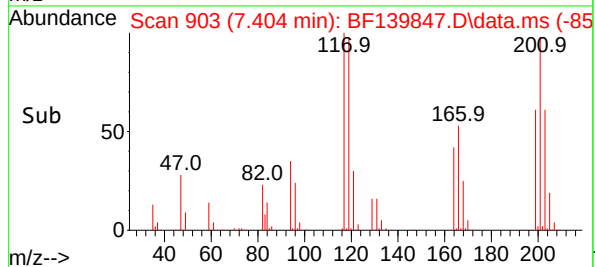
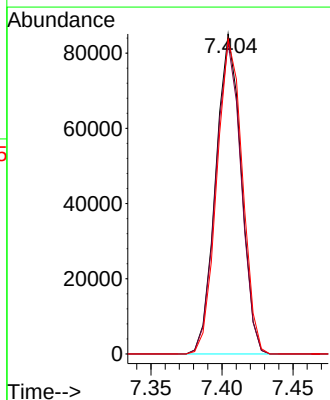
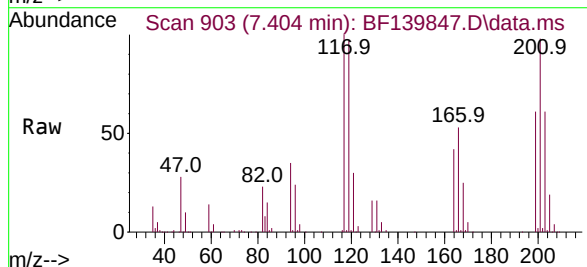
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

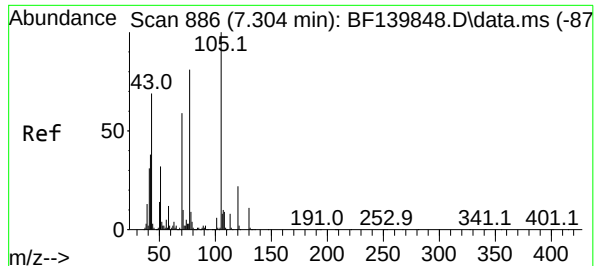
Tgt Ion:107 Resp: 218455
Ion Ratio Lower Upper
107 100
108 115.0 91.3 136.9
77 46.6 37.1 55.7
79 45.5 37.0 55.6



#18
Hexachloroethane
Concen: 20.566 ng
RT: 7.404 min Scan# 903
Delta R.T. 0.000 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion:117 Resp: 105775
Ion Ratio Lower Upper
117 100
119 97.3 77.0 115.4
201 98.4 76.2 114.4

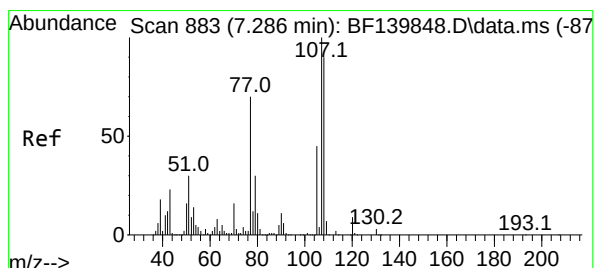
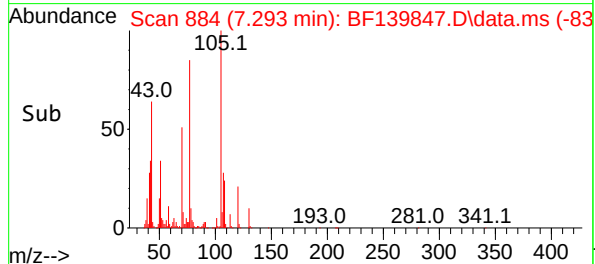
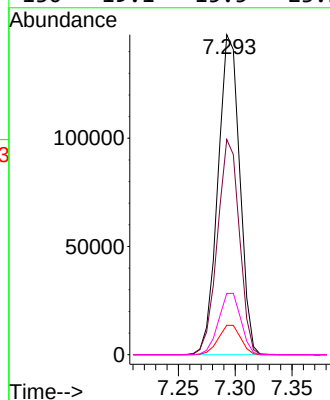
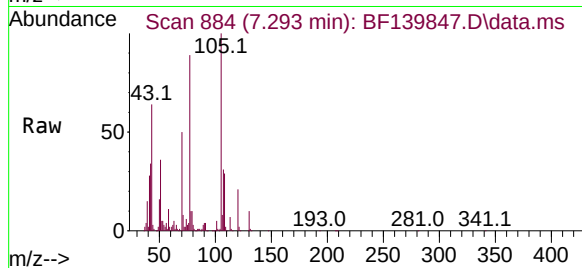




#19
n-Nitroso-di-n-propylamine
Concen: 20.427 ng
RT: 7.293 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

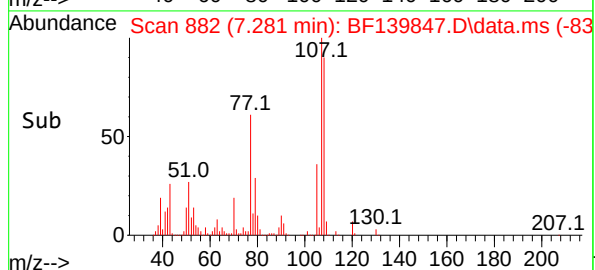
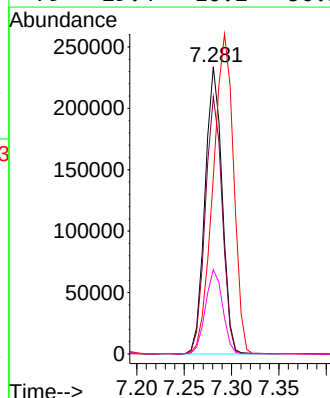
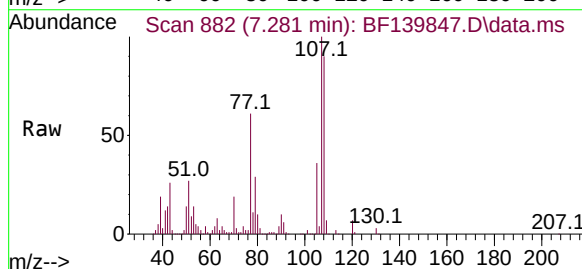
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

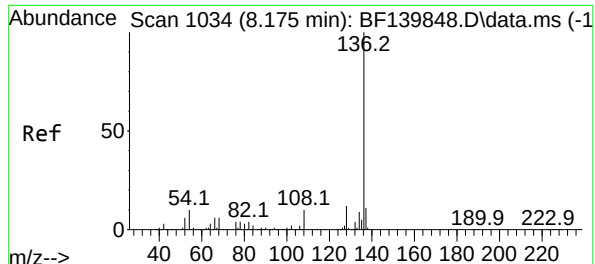
Tgt Ion: 70 Resp: 197390
Ion Ratio Lower Upper
70 100
42 67.2 51.5 77.3
101 9.2 7.5 11.3
130 19.1 15.5 23.3



#20
3+4-Methylphenols
Concen: 21.346 ng
RT: 7.281 min Scan# 882
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion: 107 Resp: 292795
Ion Ratio Lower Upper
107 100
108 89.6 69.8 109.8
77 61.4 50.5 90.5
79 29.4 10.2 50.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.175 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:136 Resp: 735124

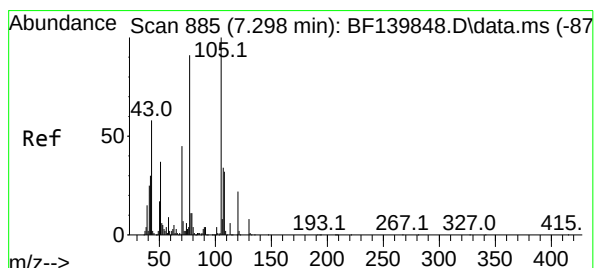
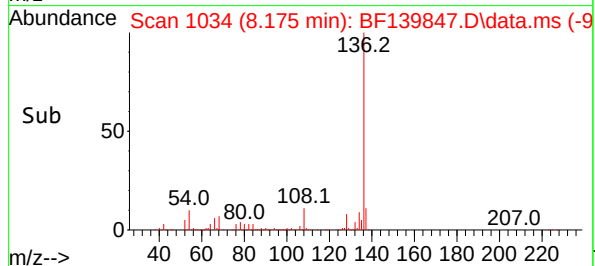
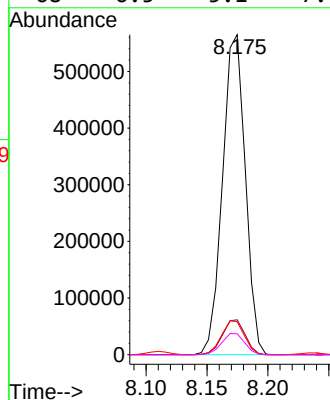
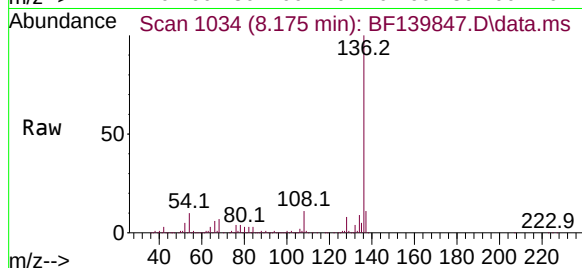
Ion Ratio Lower Upper

136 100

137 10.9 8.6 12.8

54 10.3 8.4 12.6

68 6.5 5.1 7.7



#22

Acetophenone

Concen: 21.056 ng

RT: 7.293 min Scan# 884

Delta R.T. -0.006 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

Tgt Ion:105 Resp: 379127

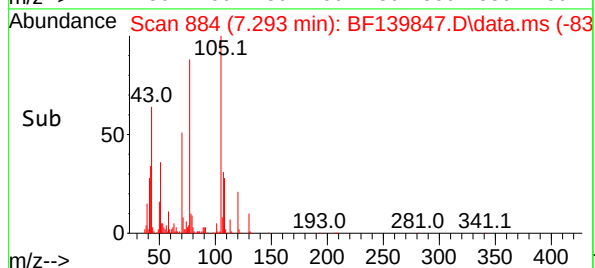
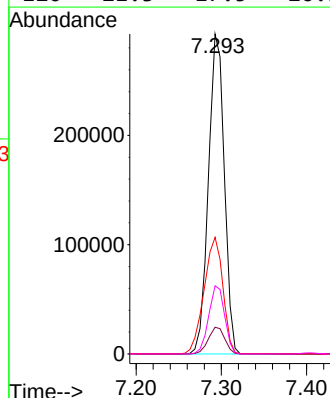
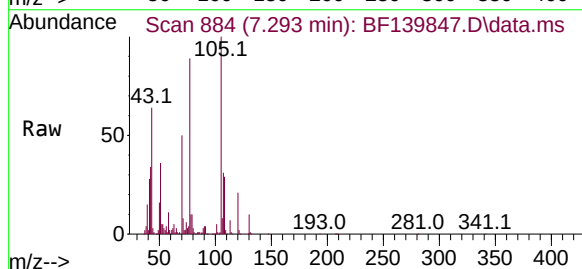
Ion Ratio Lower Upper

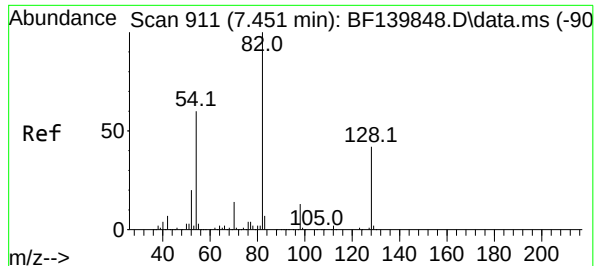
105 100

71 8.3 5.9 8.9

51 36.5 29.4 44.2

120 21.3 17.5 26.3





#23

Nitrobenzene-d5

Concen: 41.206 ng

RT: 7.451 min Scan# 911

Delta R.T. 0.000 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

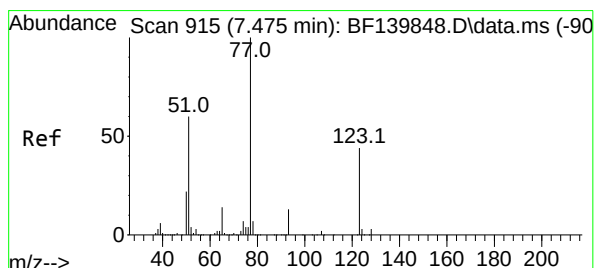
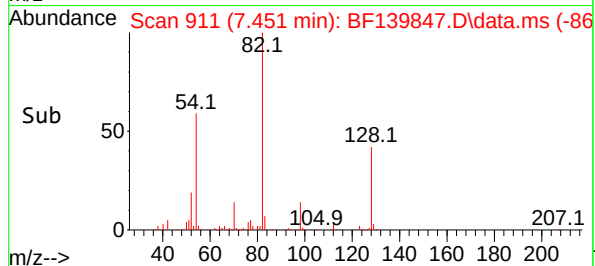
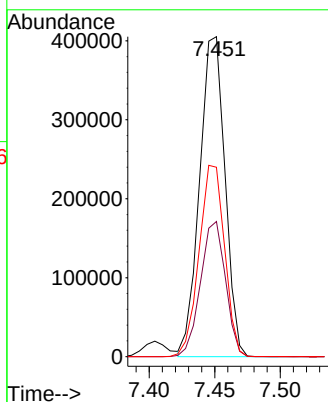
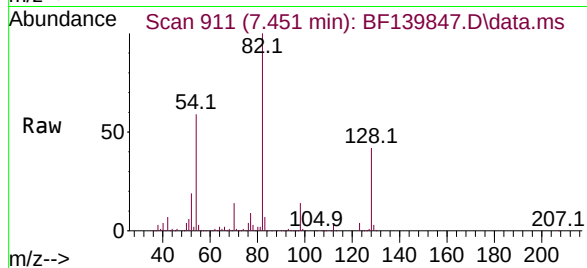
Tgt Ion: 82 Resp: 546550

Ion Ratio Lower Upper

82 100

128 42.3 33.4 50.0

54 59.2 47.8 71.8



#24

Nitrobenzene

Concen: 20.604 ng

RT: 7.469 min Scan# 914

Delta R.T. -0.006 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

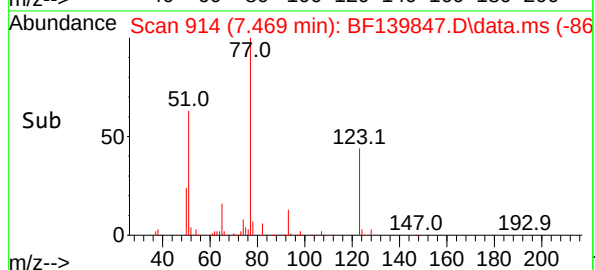
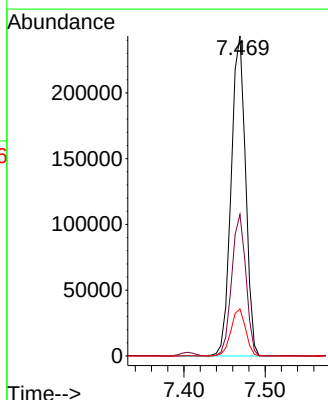
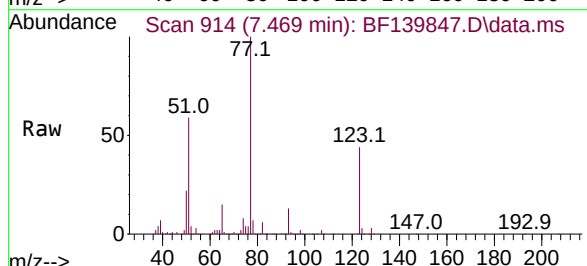
Tgt Ion: 77 Resp: 299625

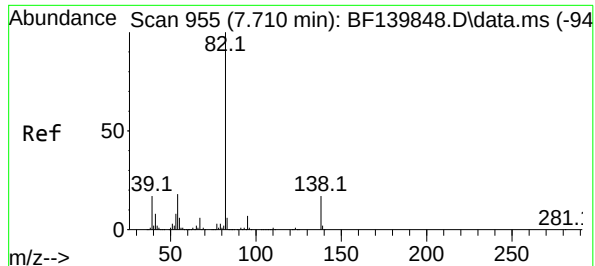
Ion Ratio Lower Upper

77 100

123 44.2 35.7 53.5

65 14.7 11.5 17.3

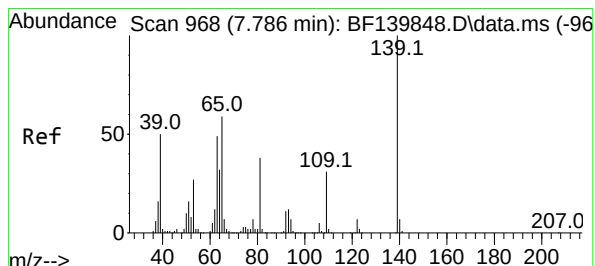
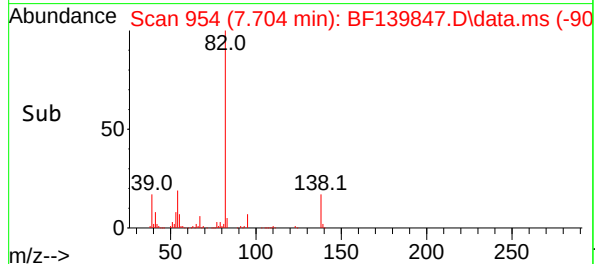
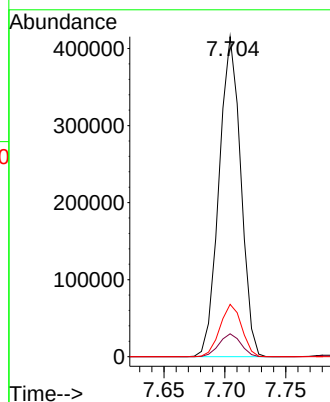
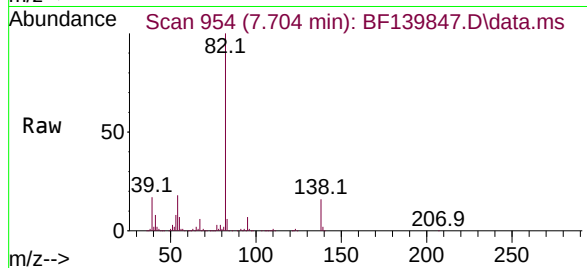




#25
Isophorone
Concen: 20.502 ng
RT: 7.704 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

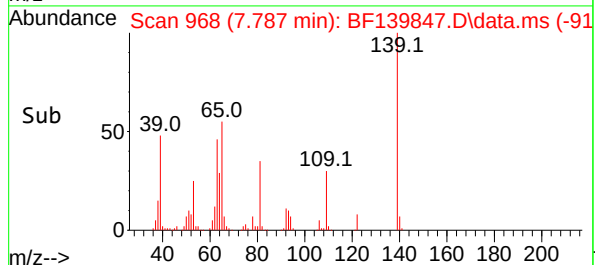
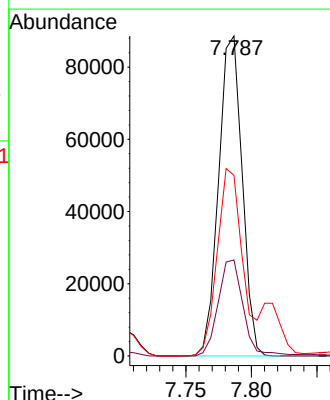
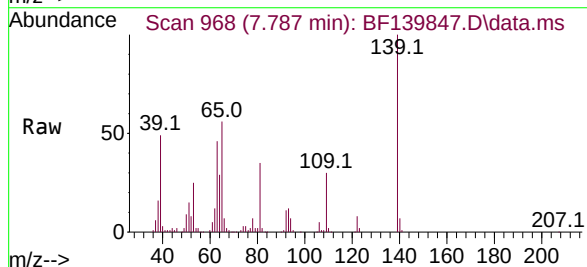
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

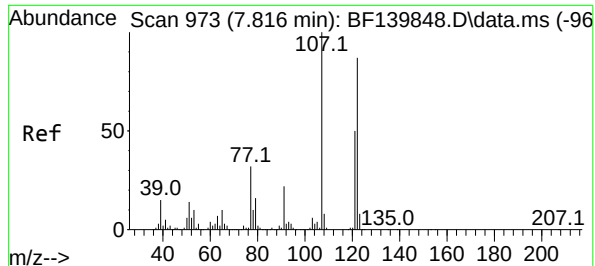
Tgt Ion: 82 Resp: 516119
Ion Ratio Lower Upper
82 100
95 7.1 5.5 8.3
138 16.3 13.2 19.8



#26
2-Nitrophenol
Concen: 20.141 ng
RT: 7.787 min Scan# 968
Delta R.T. 0.000 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion:139 Resp: 110497
Ion Ratio Lower Upper
139 100
109 30.0 25.1 37.7
65 56.5 47.5 71.3





#27

2,4-Dimethylphenol

Concen: 20.544 ng

RT: 7.816 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF139847.D

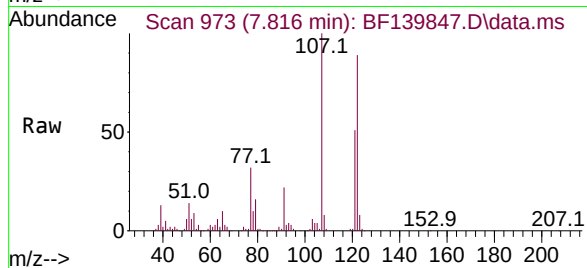
Acq: 18 Oct 2024 11:52

Instrument :

BNA_F

ClientSampleId :

SSTDICC020



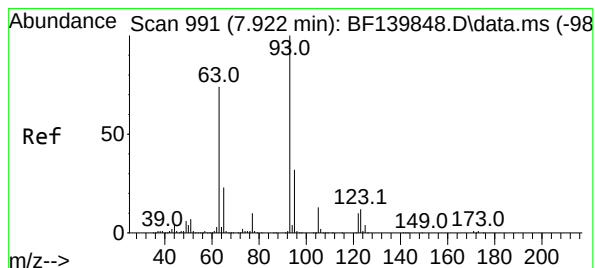
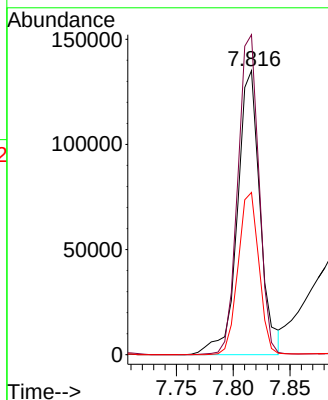
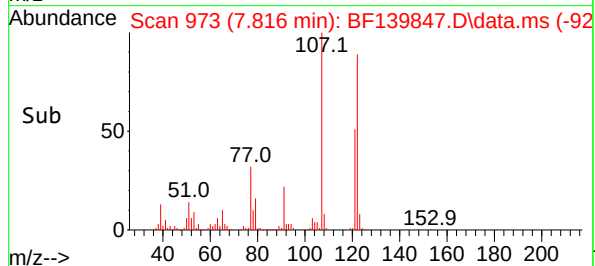
Tgt Ion:122 Resp: 187930

Ion Ratio Lower Upper

122 100

107 112.6 91.9 137.9

121 57.1 46.2 69.4



#28

bis(2-Chloroethoxy)methane

Concen: 20.816 ng

RT: 7.916 min Scan# 990

Delta R.T. -0.006 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

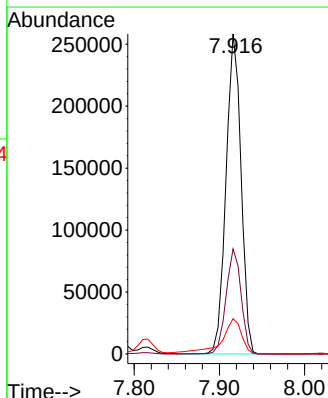
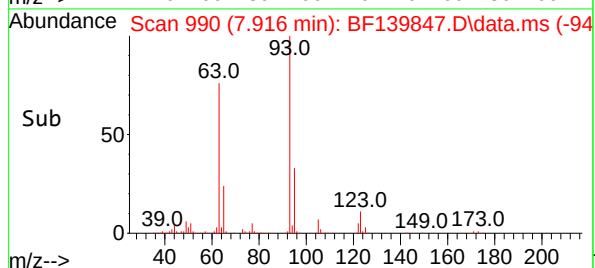
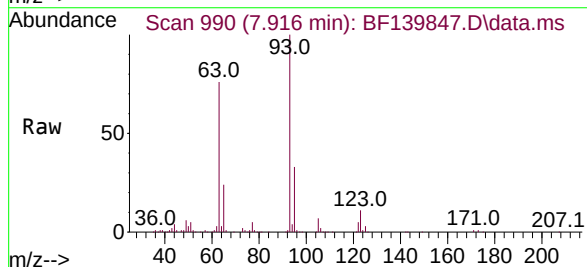
Tgt Ion: 93 Resp: 317497

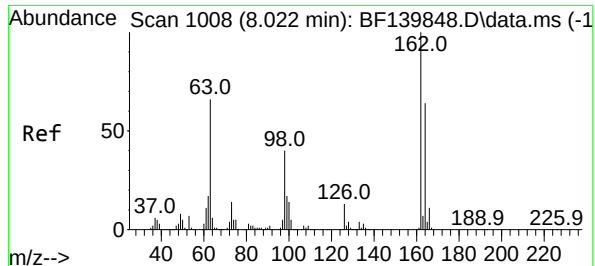
Ion Ratio Lower Upper

93 100

95 32.9 26.0 39.0

123 11.1 9.8 14.8





#29

2,4-Dichlorophenol

Concen: 20.673 ng

RT: 8.016 min Scan# 1007

Delta R.T. -0.006 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

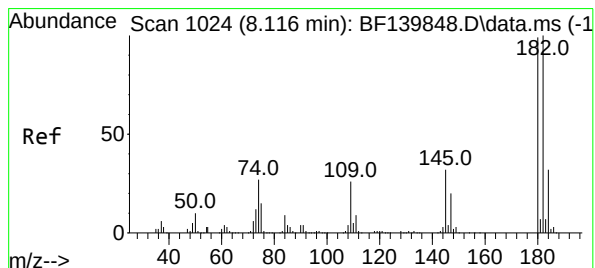
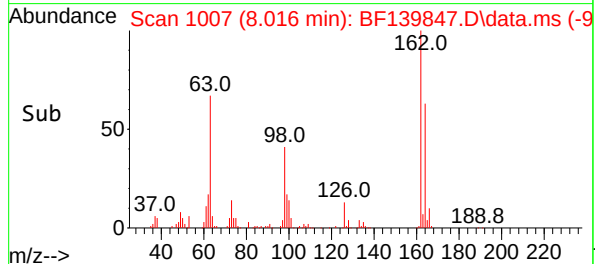
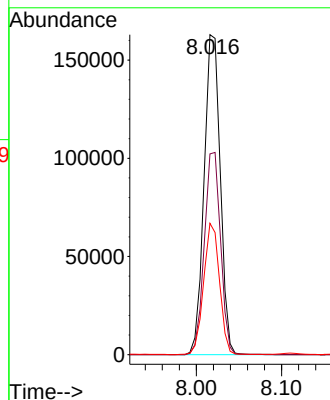
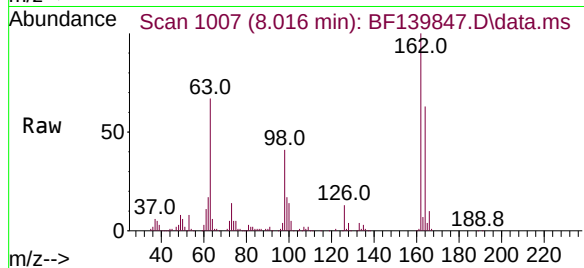
Tgt Ion:162 Resp: 215409

Ion Ratio Lower Upper

162 100

164 62.7 43.9 83.9

98 41.1 19.9 59.9



#30

1,2,4-Trichlorobenzene

Concen: 20.691 ng

RT: 8.110 min Scan# 1023

Delta R.T. -0.006 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

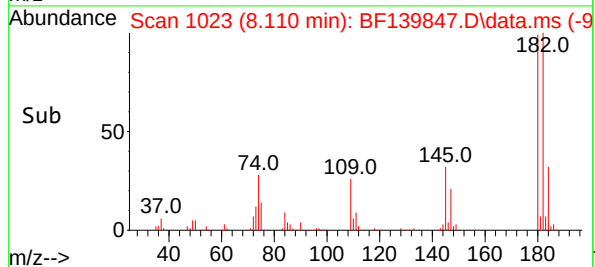
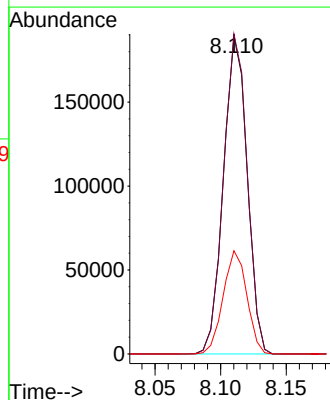
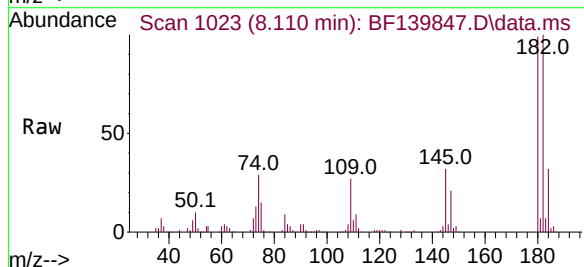
Tgt Ion:180 Resp: 238559

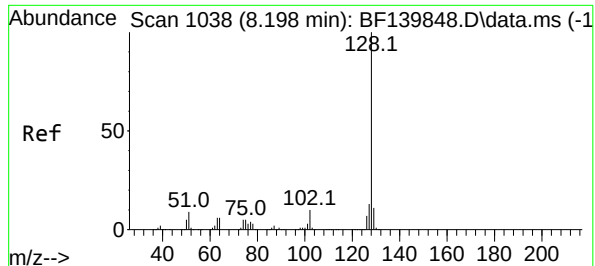
Ion Ratio Lower Upper

180 100

182 100.6 80.5 120.7

145 32.5 25.4 38.0

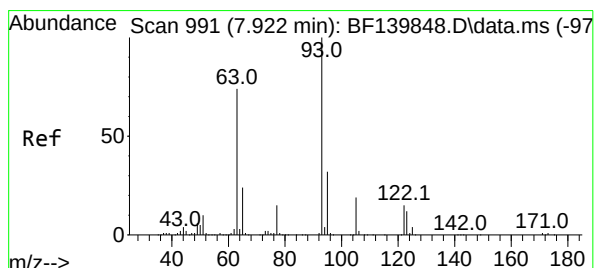
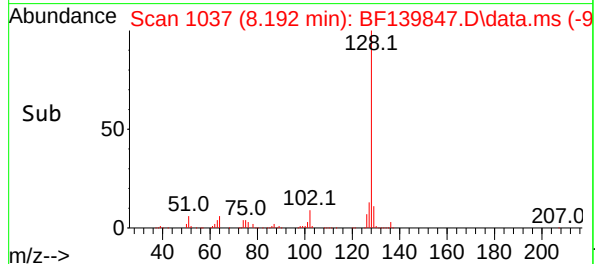
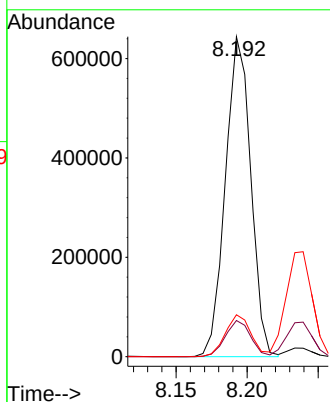
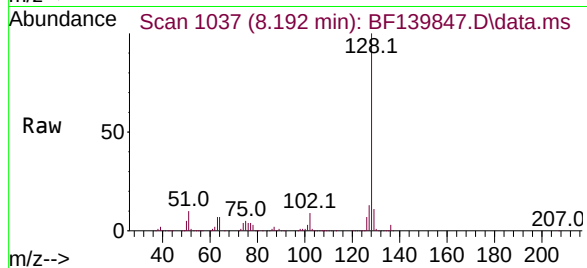




#31
Naphthalene
Concen: 21.153 ng
RT: 8.192 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

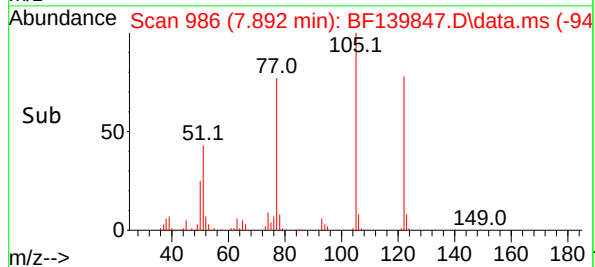
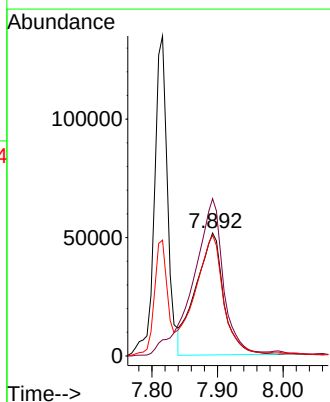
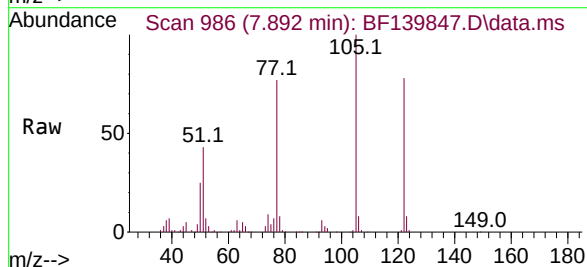
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

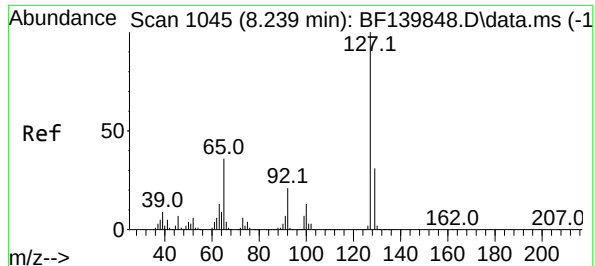
Tgt Ion:128 Resp: 801971
Ion Ratio Lower Upper
128 100
129 11.3 8.9 13.3
127 13.1 10.6 16.0



#32
Benzoic acid
Concen: 19.054 ng
RT: 7.892 min Scan# 986
Delta R.T. -0.030 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion:122 Resp: 152028
Ion Ratio Lower Upper
122 100
105 127.9 107.6 147.6
77 98.2 80.2 120.2

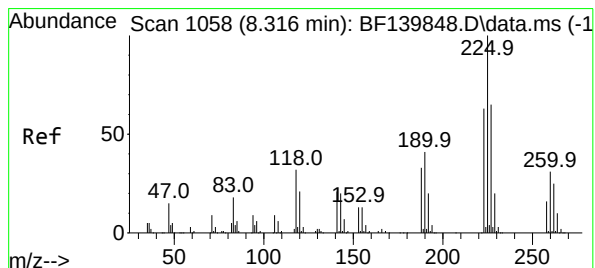
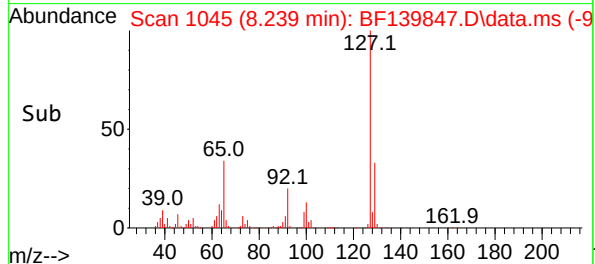
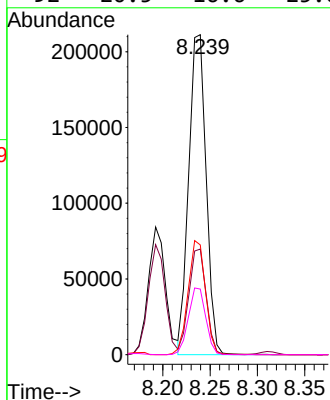
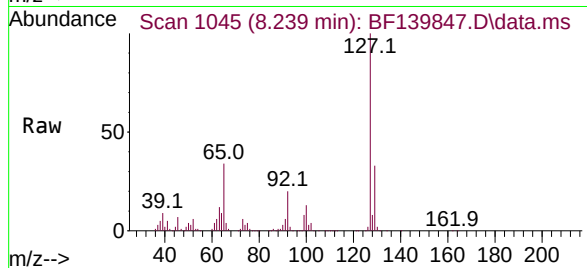




#33
4-Chloroaniline
Concen: 20.919 ng
RT: 8.239 min Scan# 1045
Delta R.T. 0.000 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

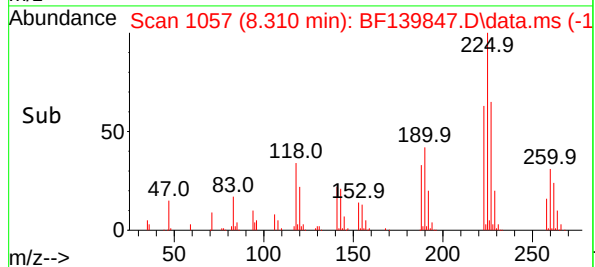
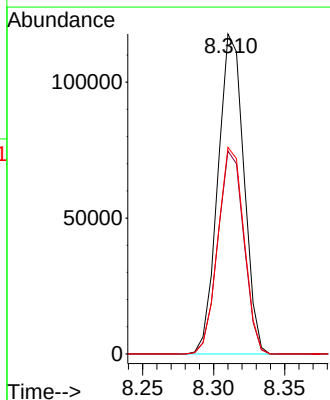
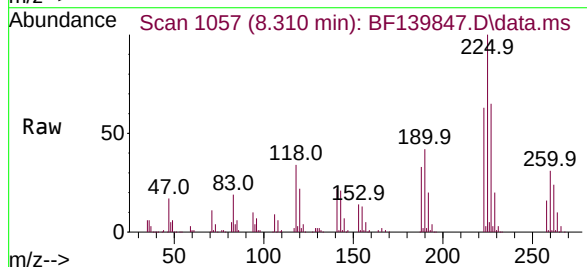
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

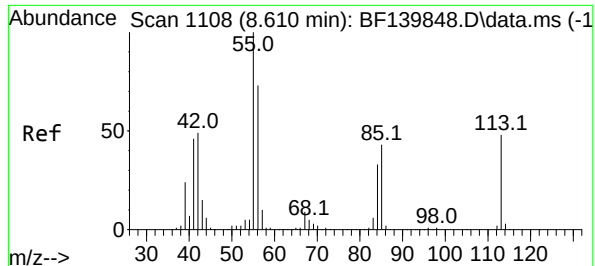
Tgt Ion:	127	Resp:	270435
Ion	Ratio	Lower	Upper
127	100		
129	33.0	25.4	38.2
65	34.3	28.4	42.6
92	20.5	16.6	25.0



#34
Hexachlorobutadiene
Concen: 20.641 ng
RT: 8.310 min Scan# 1057
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion:	225	Resp:	149527
Ion	Ratio	Lower	Upper
225	100		
223	63.4	50.6	76.0
227	64.6	51.8	77.8

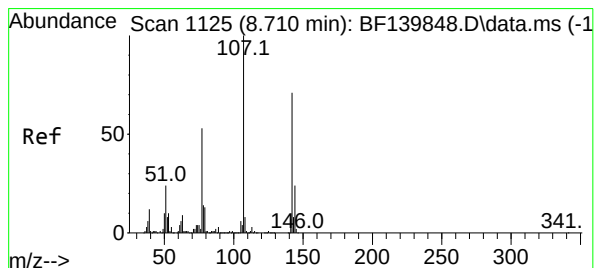
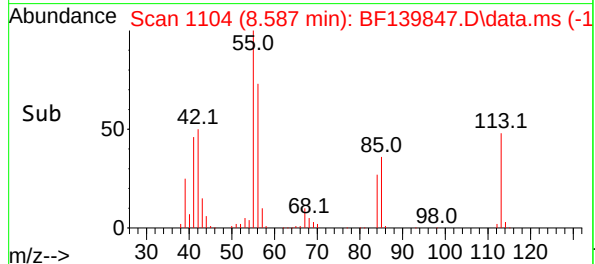
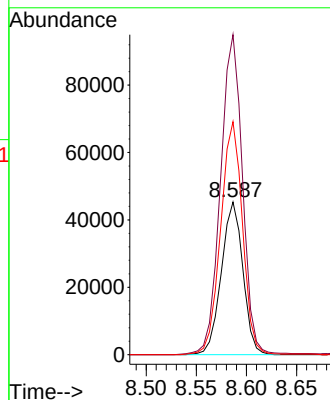
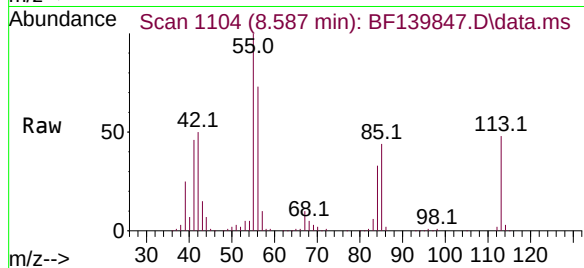




#35
Caprolactam
Concen: 20.411 ng
RT: 8.587 min Scan# 1108
Delta R.T. -0.023 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

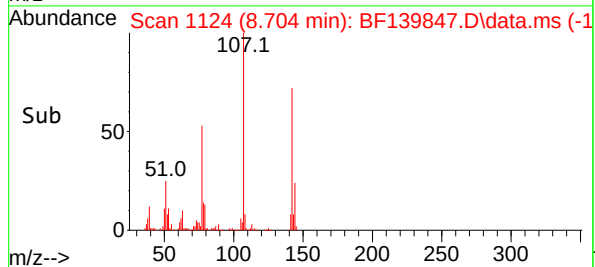
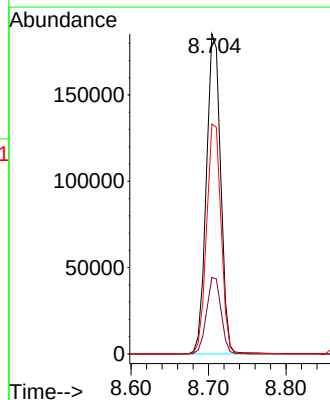
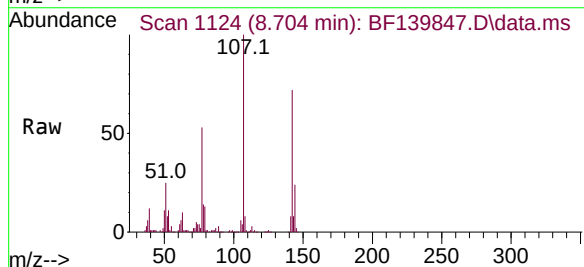
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

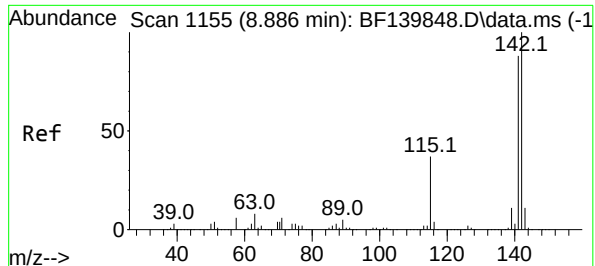
Tgt Ion:113 Resp: 67624
Ion Ratio Lower Upper
113 100
55 209.6 189.2 229.2
56 152.6 132.5 172.5



#36
4-Chloro-3-methylphenol
Concen: 20.668 ng
RT: 8.704 min Scan# 1124
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion:107 Resp: 238461
Ion Ratio Lower Upper
107 100
144 23.9 19.1 28.7
142 71.9 57.2 85.8





#37

2-Methylnaphthalene

Concen: 21.075 ng

RT: 8.881 min Scan# 1155

Delta R.T. -0.006 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

Instrument :

BNA_F

ClientSampleId :

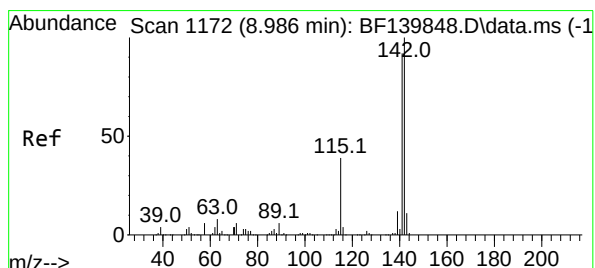
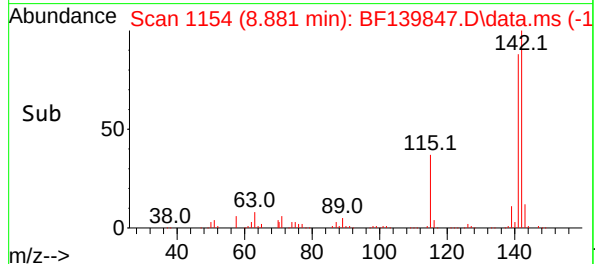
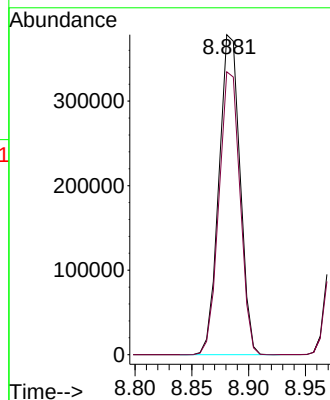
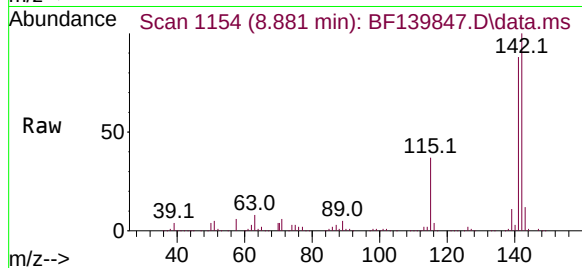
SSTDICC020

Tgt Ion:142 Resp: 489343

Ion Ratio Lower Upper

142 100

141 88.4 70.8 106.2



#38

1-Methylnaphthalene

Concen: 21.149 ng

RT: 8.981 min Scan# 1171

Delta R.T. -0.006 min

Lab File: BF139847.D

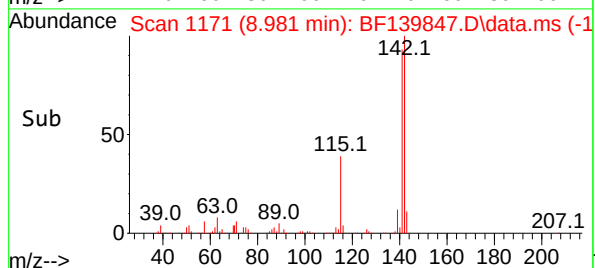
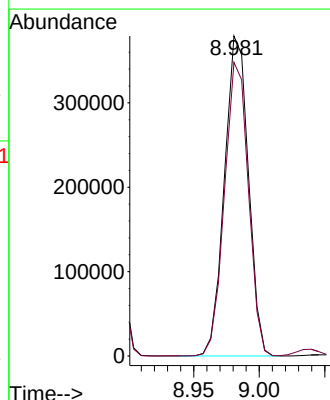
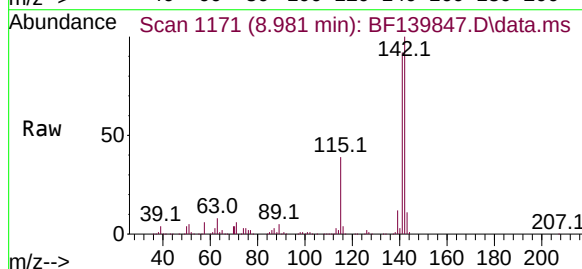
Acq: 18 Oct 2024 11:52

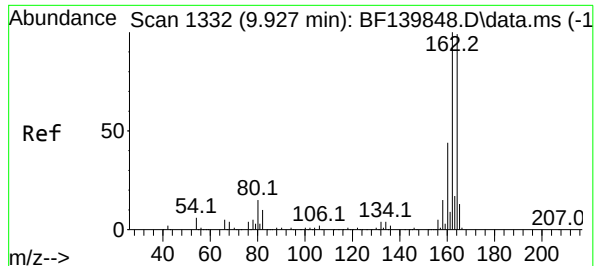
Tgt Ion:142 Resp: 481797

Ion Ratio Lower Upper

142 100

141 91.7 73.5 110.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 1182

Delta R.T. 0.001 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

Instrument :

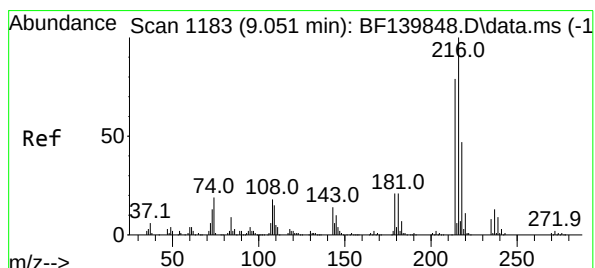
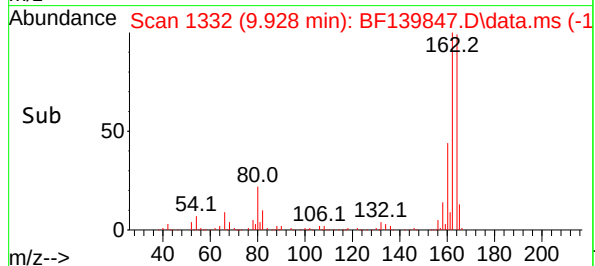
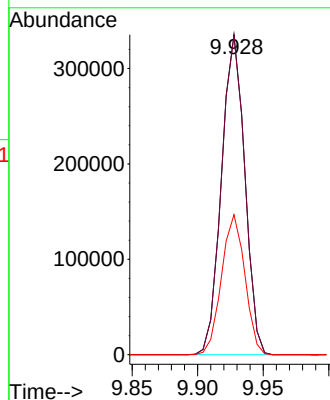
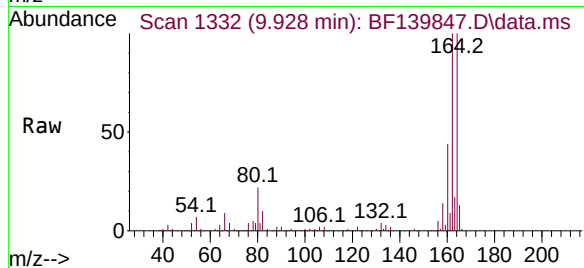
BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:164 Resp: 413023

Ion	Ratio	Lower	Upper
164	100		
162	99.7	81.0	121.4
160	43.8	35.4	53.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 20.823 ng

RT: 9.045 min Scan# 1182

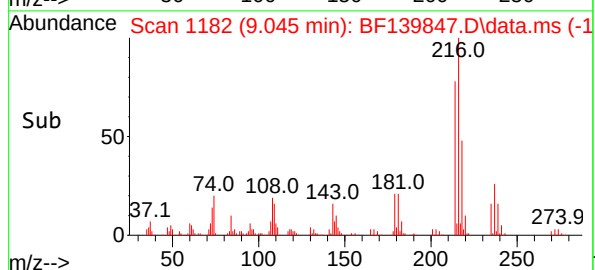
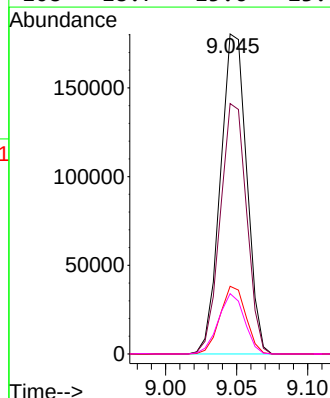
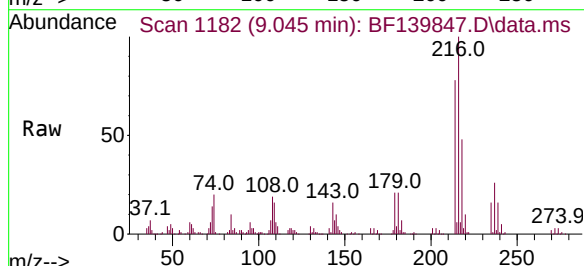
Delta R.T. -0.006 min

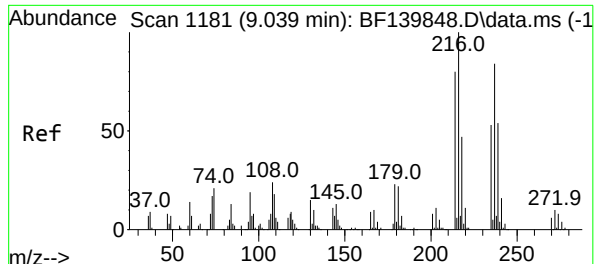
Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

Tgt Ion:216 Resp: 232025

Ion	Ratio	Lower	Upper
216	100		
214	78.2	63.4	95.0
179	20.8	17.2	25.8
108	18.7	15.6	23.4

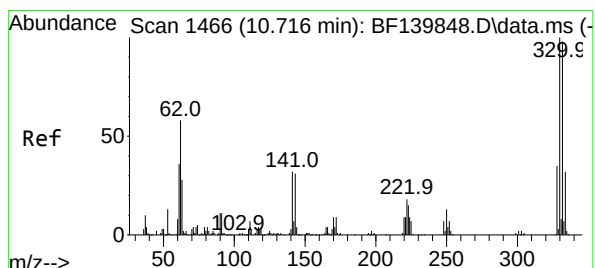
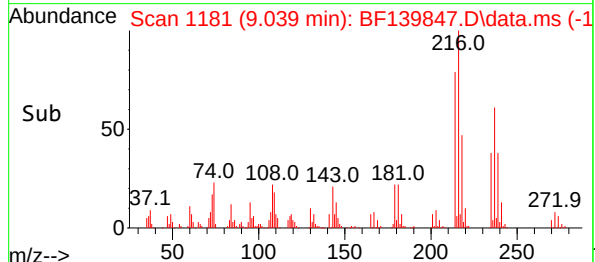
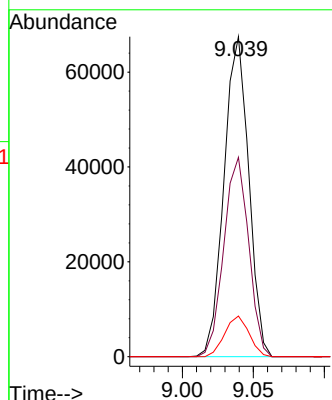
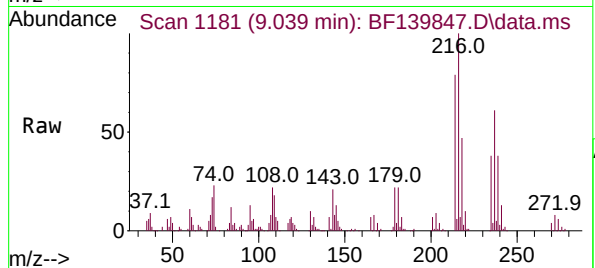




#41
Hexachlorocyclopentadiene
Concen: 21.041 ng
RT: 9.039 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

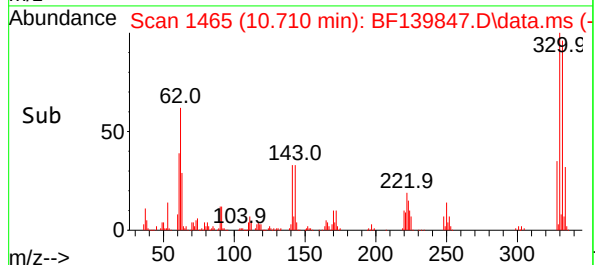
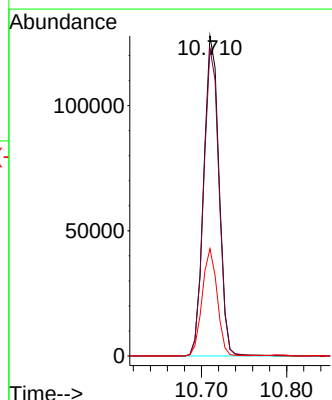
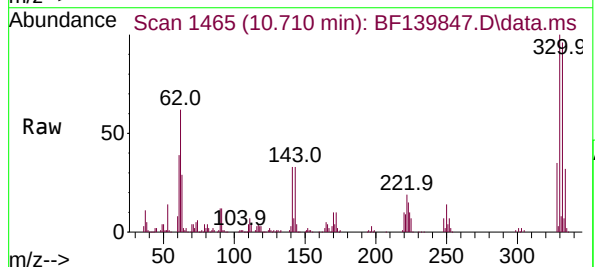
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

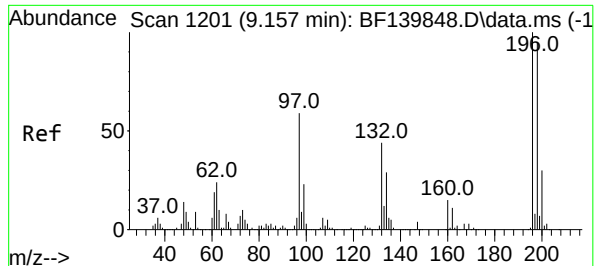
Tgt Ion:237 Resp: 81579
Ion Ratio Lower Upper
237 100
235 62.3 42.9 82.9
272 12.7 0.0 32.3



#42
2,4,6-Tribromophenol
Concen: 41.199 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion:330 Resp: 159165
Ion Ratio Lower Upper
330 100
332 96.4 78.1 117.1
141 32.9 26.6 39.8





#43

2,4,6-Trichlorophenol

Concen: 20.930 ng

RT: 9.157 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

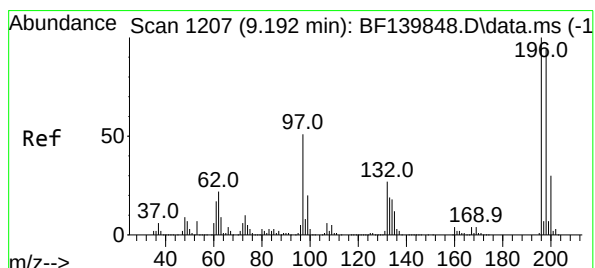
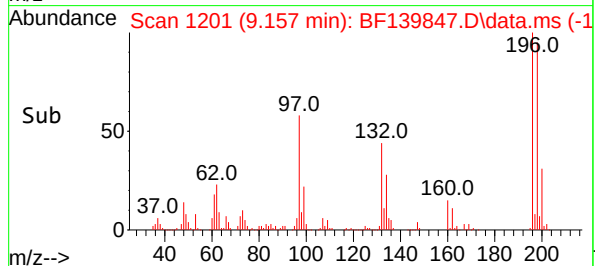
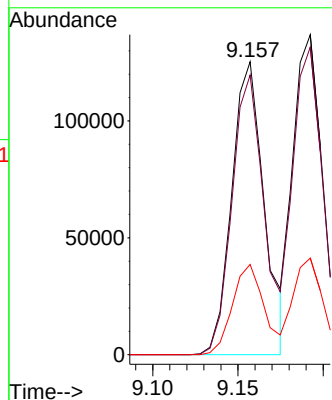
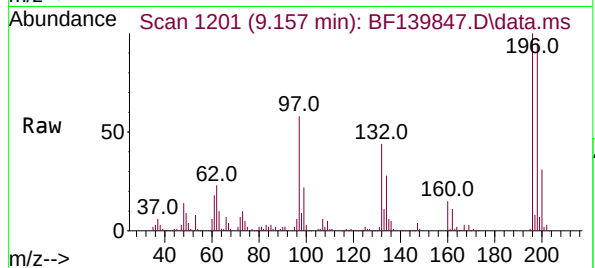
Tgt Ion:196 Resp: 165112

Ion Ratio Lower Upper

196 100

198 95.4 76.2 114.2

200 30.8 24.0 36.0



#44

2,4,5-Trichlorophenol

Concen: 20.213 ng

RT: 9.192 min Scan# 1207

Delta R.T. 0.000 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

Tgt Ion:196 Resp: 164517

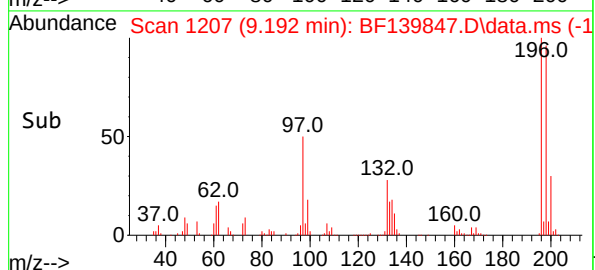
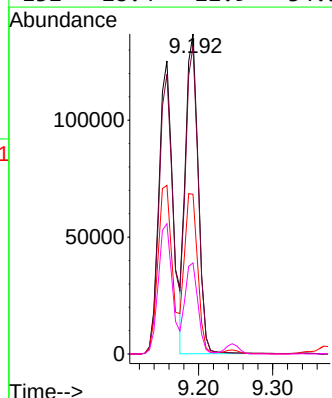
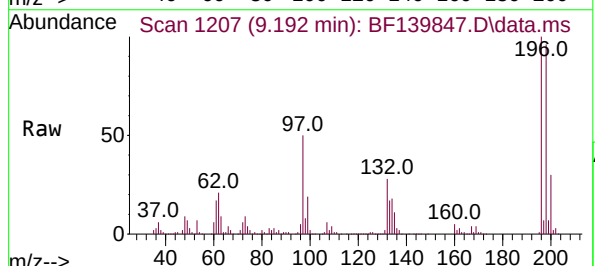
Ion Ratio Lower Upper

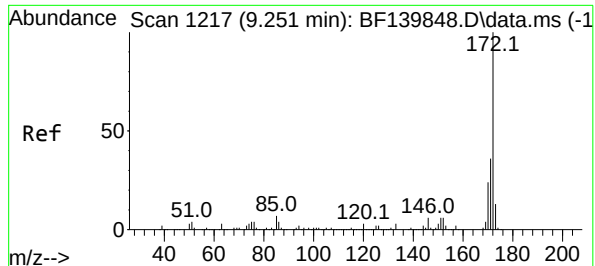
196 100

198 96.2 75.8 113.6

97 49.9 41.8 62.6

132 28.4 22.9 34.3

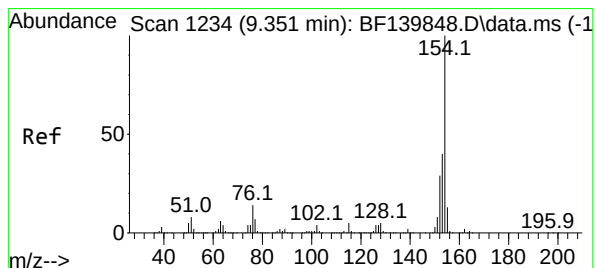
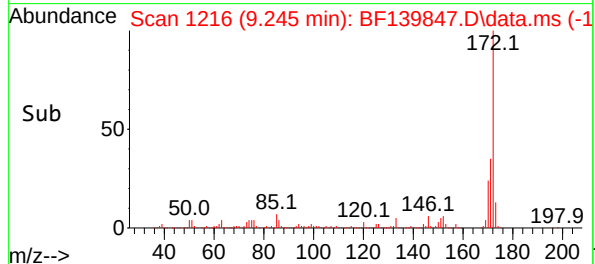
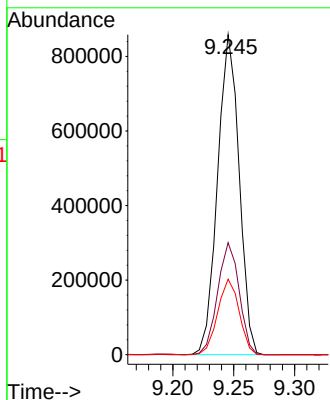
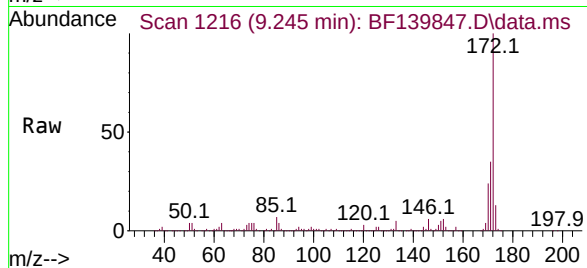




#45
2-Fluorobiphenyl
Concen: 42.316 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

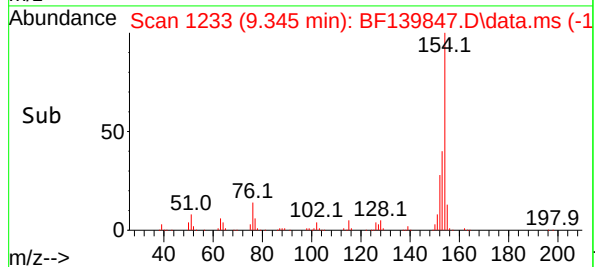
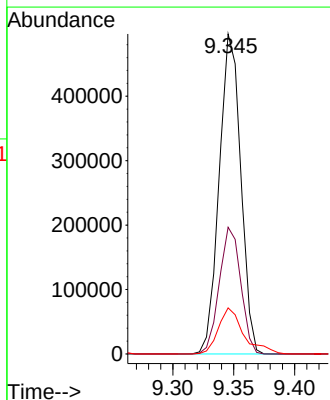
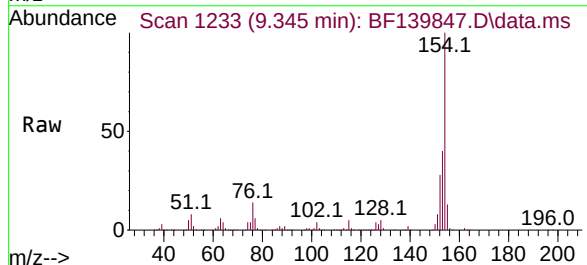
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

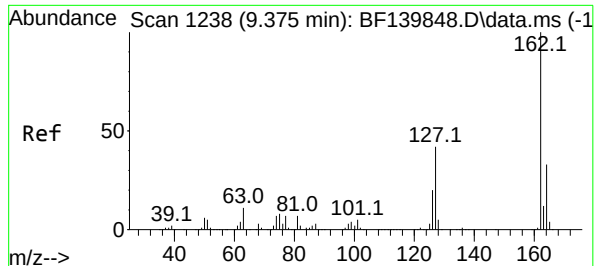
Tgt Ion:172 Resp: 1057523
Ion Ratio Lower Upper
172 100
171 35.0 28.6 43.0
170 23.6 19.1 28.7



#46
1,1'-Biphenyl
Concen: 21.297 ng
RT: 9.345 min Scan# 1233
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion:154 Resp: 612342
Ion Ratio Lower Upper
154 100
153 39.6 20.3 60.3
76 14.4 0.0 33.9





#47

2-Chloronaphthalene

Concen: 20.767 ng

RT: 9.375 min Scan# 1238

Delta R.T. 0.000 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

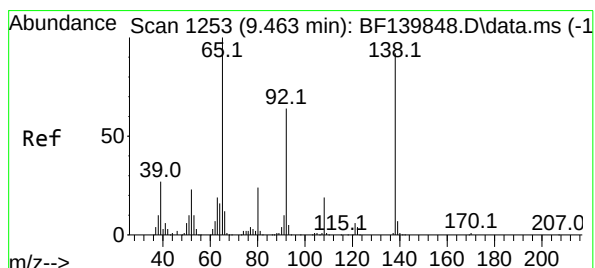
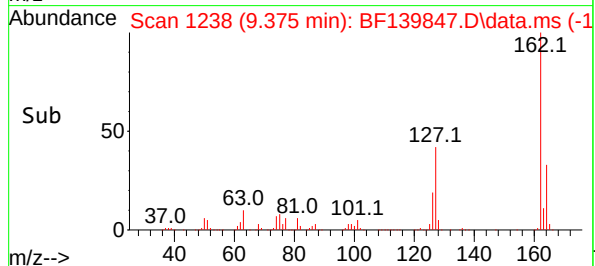
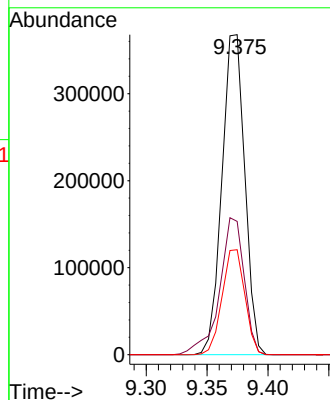
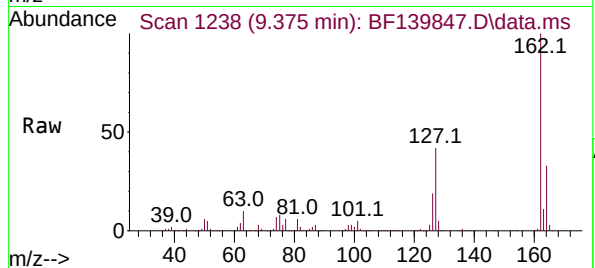
Tgt Ion:162 Resp: 480916

Ion Ratio Lower Upper

162 100

127 41.7 33.8 50.6

164 32.8 26.6 39.8



#48

2-Nitroaniline

Concen: 20.614 ng

RT: 9.463 min Scan# 1253

Delta R.T. 0.000 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

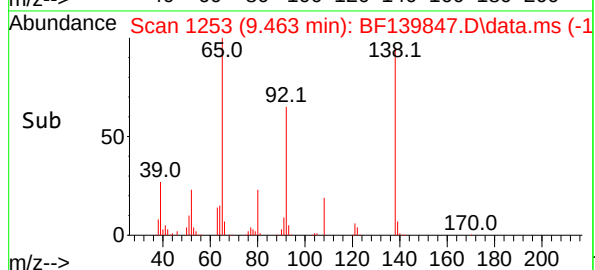
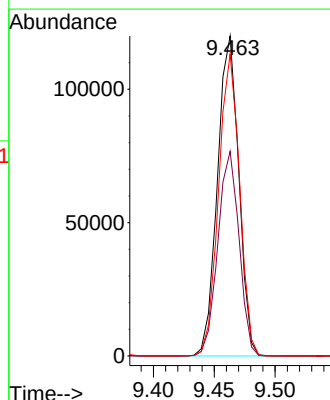
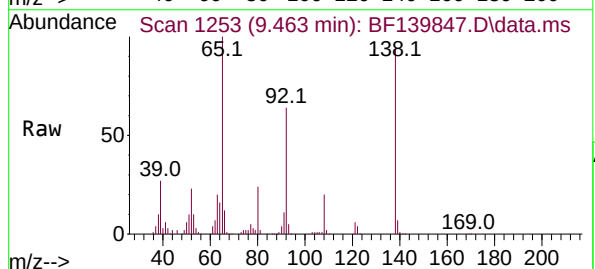
Tgt Ion: 65 Resp: 146002

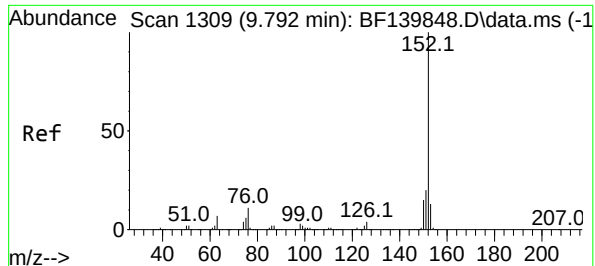
Ion Ratio Lower Upper

65 100

92 64.0 50.9 76.3

138 94.4 73.4 110.0





#49

Acenaphthylene

Concen: 21.182 ng

RT: 9.786 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

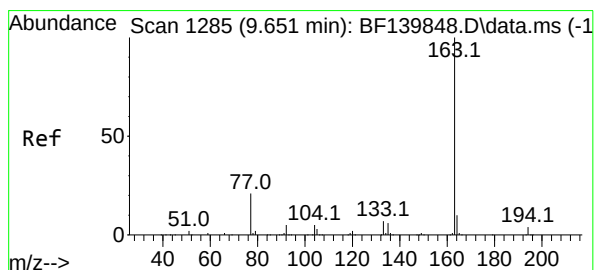
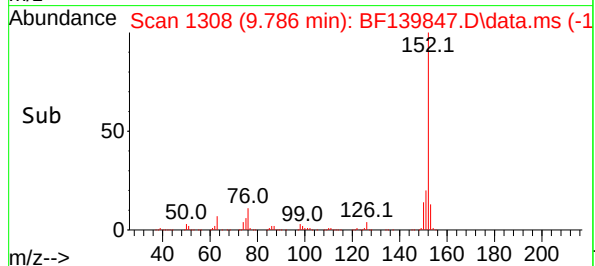
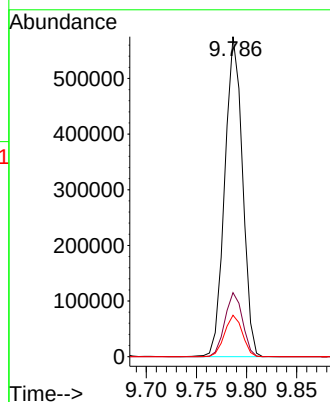
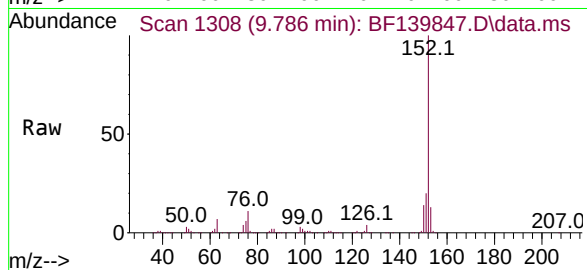
Tgt Ion:152 Resp: 709161

Ion Ratio Lower Upper

152 100

151 20.0 15.9 23.9

153 13.0 10.7 16.1



#50

Dimethylphthalate

Concen: 20.592 ng

RT: 9.645 min Scan# 1284

Delta R.T. -0.006 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

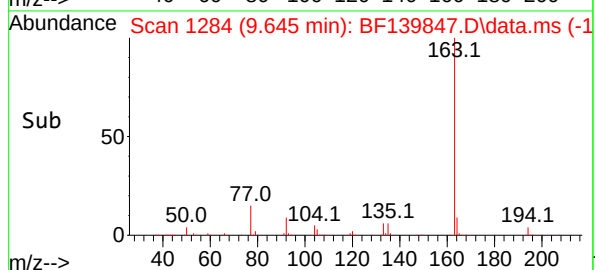
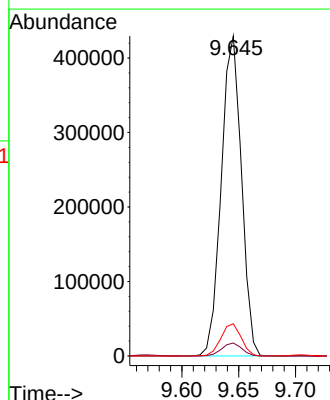
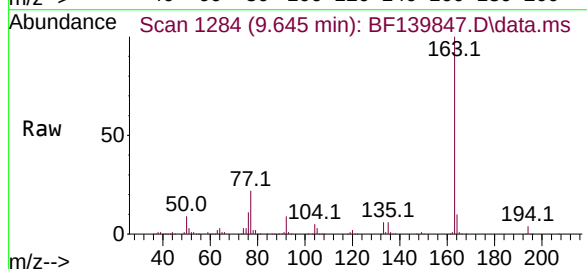
Tgt Ion:163 Resp: 529745

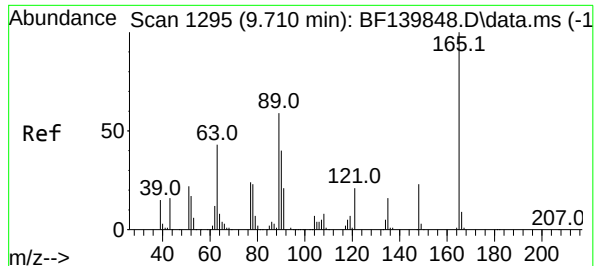
Ion Ratio Lower Upper

163 100

194 4.1 3.4 5.0

164 10.1 8.2 12.2

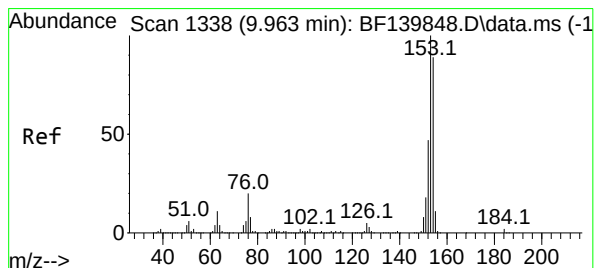
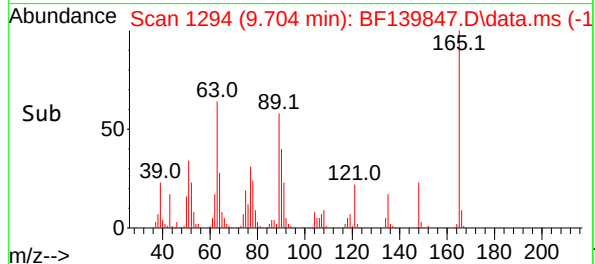
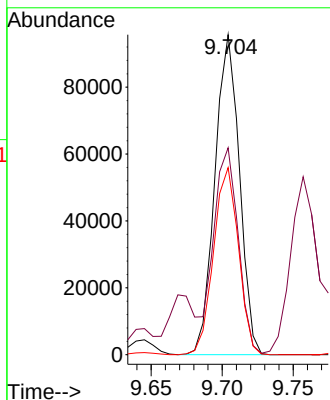
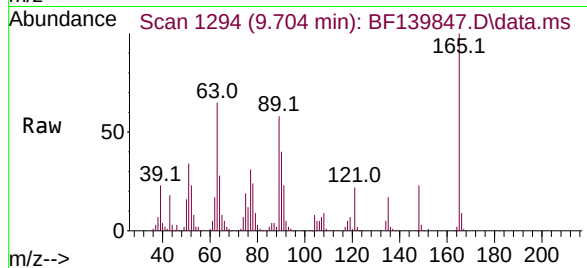




#51
2,6-Dinitrotoluene
Concen: 20.596 ng
RT: 9.704 min Scan# 1294
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

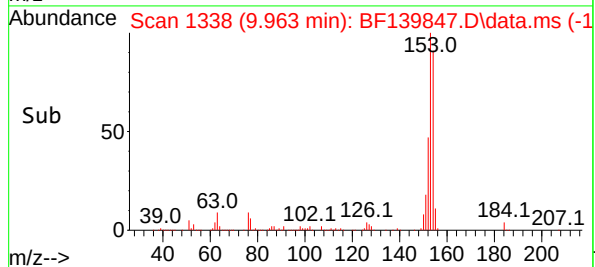
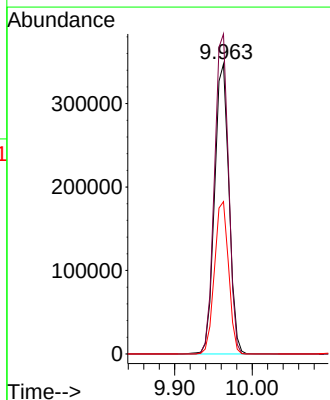
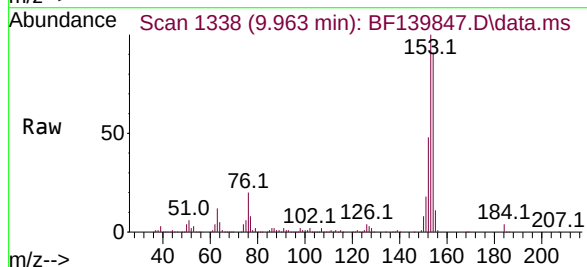
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

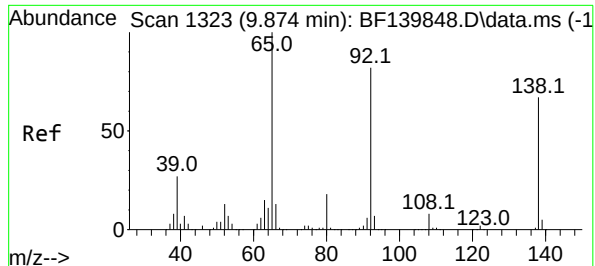
Tgt Ion:165 Resp: 114726
Ion Ratio Lower Upper
165 100
63 64.6 50.6 75.8
89 58.4 47.5 71.3



#52
Acenaphthene
Concen: 20.768 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.000 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion:154 Resp: 449770
Ion Ratio Lower Upper
154 100
153 110.4 89.8 134.6
152 52.5 42.4 63.6

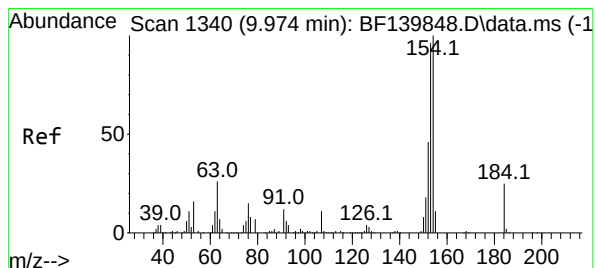
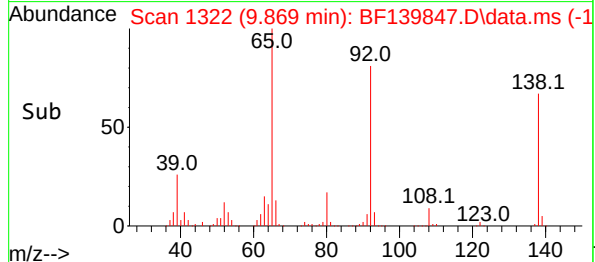
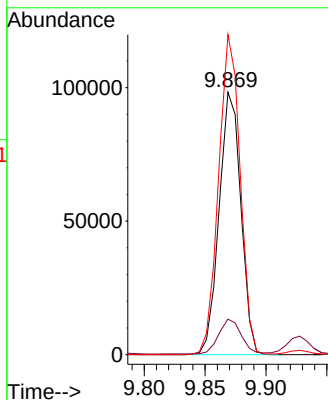
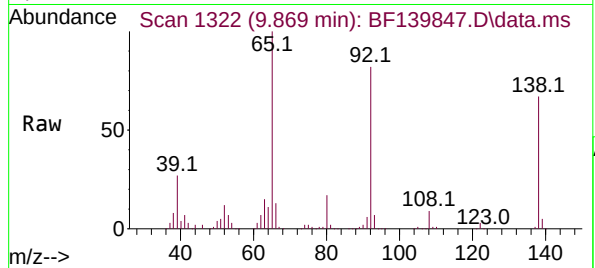




#53
3-Nitroaniline
Concen: 21.271 ng
RT: 9.869 min Scan# 1322
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

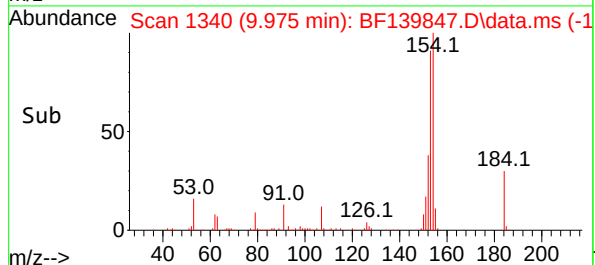
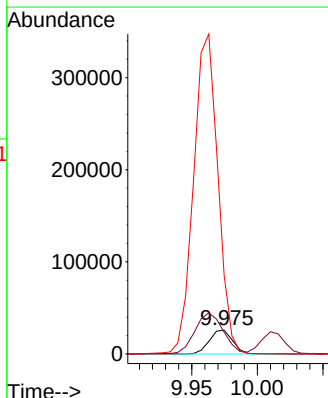
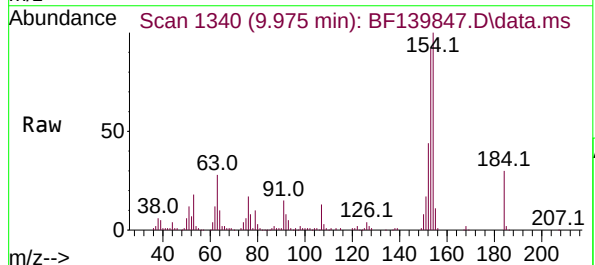
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

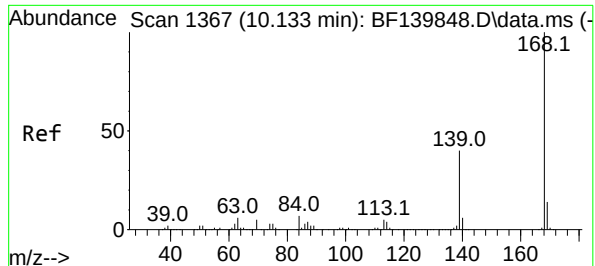
Tgt Ion:138 Resp: 122186
Ion Ratio Lower Upper
138 100
108 13.5 10.2 15.2
92 121.9 98.3 147.5



#54
2,4-Dinitrophenol
Concen: 19.148 ng
RT: 9.975 min Scan# 1340
Delta R.T. 0.001 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion:184 Resp: 31801
Ion Ratio Lower Upper
184 100
63 91.3 84.7 127.1
154 331.4 338.2 507.2#





#55

Dibenzenofuran

Concen: 20.991 ng

RT: 10.134 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

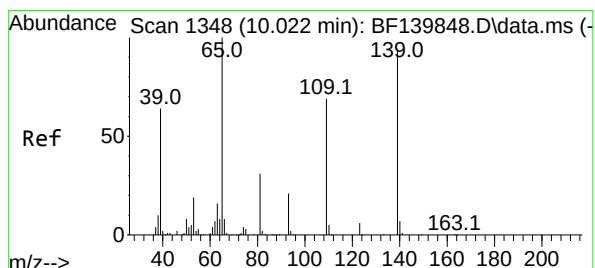
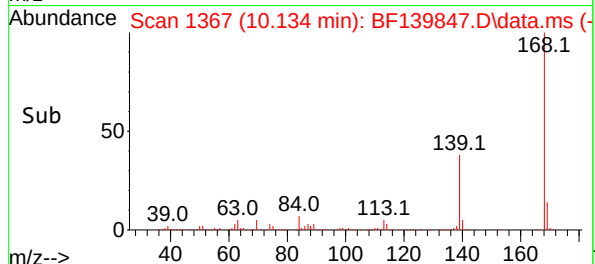
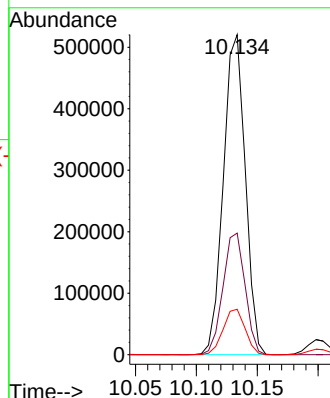
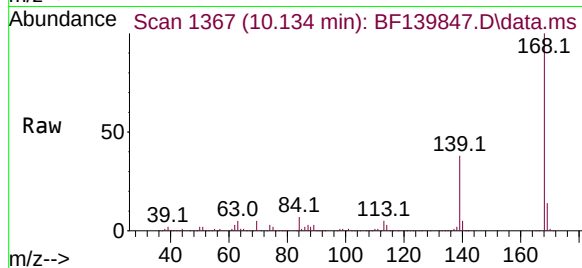
Tgt Ion:168 Resp: 652249

Ion Ratio Lower Upper

168 100

139 38.0 31.8 47.6

169 14.2 11.6 17.4



#56

4-Nitrophenol

Concen: 21.057 ng

RT: 10.010 min Scan# 1346

Delta R.T. -0.012 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

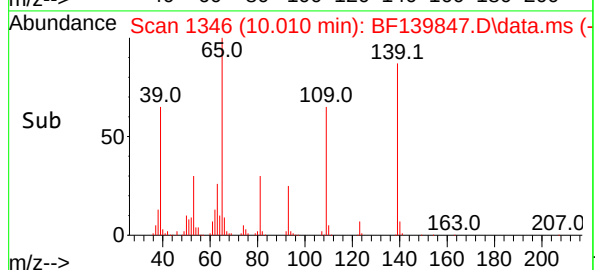
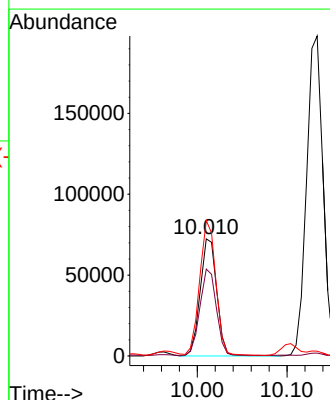
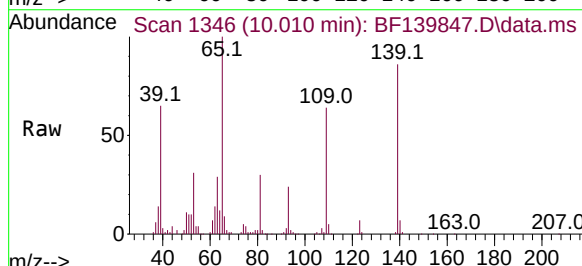
Tgt Ion:139 Resp: 93060

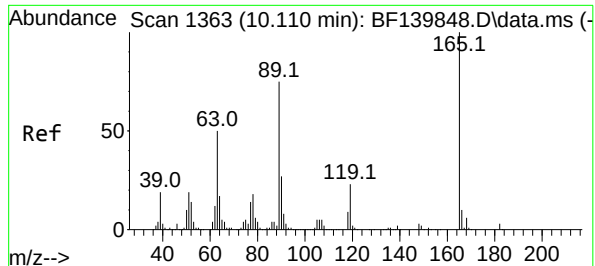
Ion Ratio Lower Upper

139 100

109 74.2 53.6 93.6

65 115.7 87.8 127.8

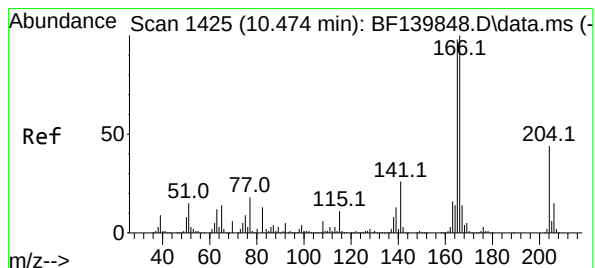
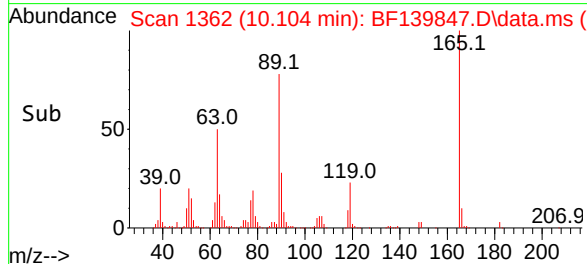
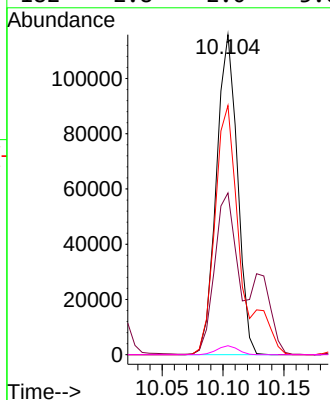
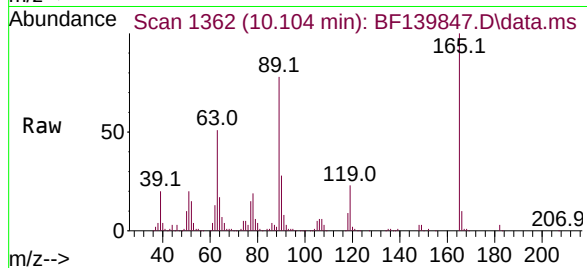




#57
2,4-Dinitrotoluene
Concen: 20.348 ng
RT: 10.104 min Scan# 1362
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

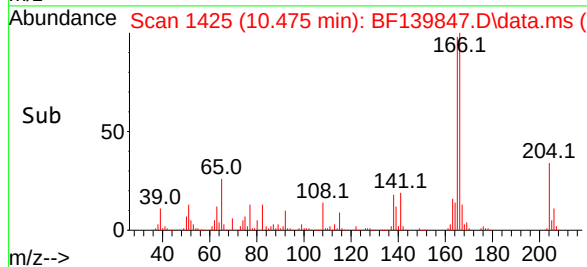
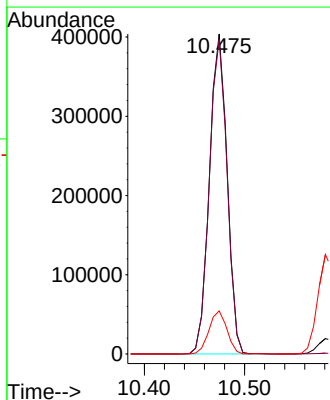
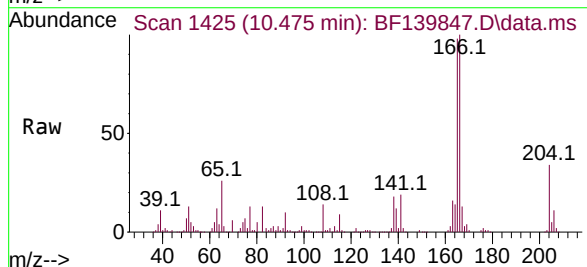
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

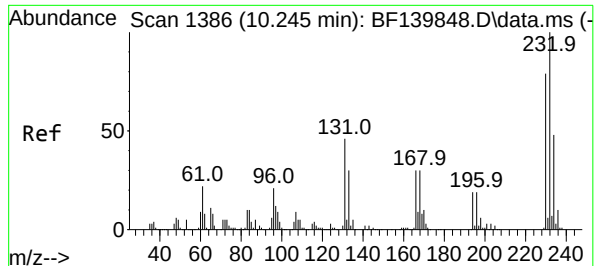
Tgt Ion:165 Resp: 139381
Ion Ratio Lower Upper
165 100
63 50.6 40.1 60.1
89 77.9 60.4 90.6
182 2.8 2.0 3.0



#58
Fluorene
Concen: 20.958 ng
RT: 10.475 min Scan# 1425
Delta R.T. 0.000 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion:166 Resp: 496012
Ion Ratio Lower Upper
166 100
165 98.3 78.5 117.7
167 13.5 10.9 16.3

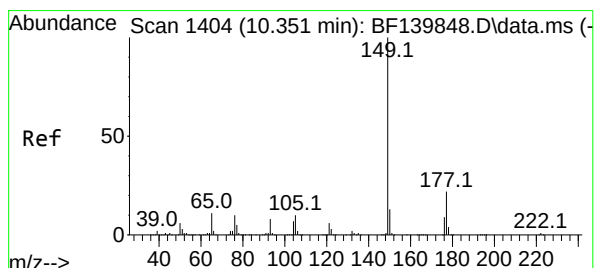
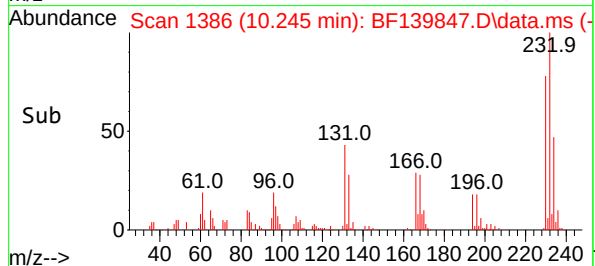
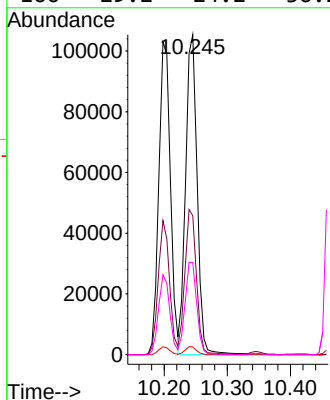
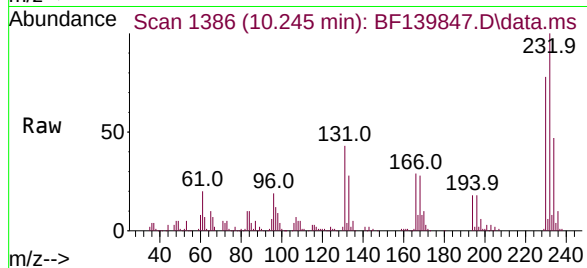




#59
2,3,4,6-Tetrachlorophenol
Concen: 21.133 ng
RT: 10.245 min Scan# 1386
Delta R.T. 0.000 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

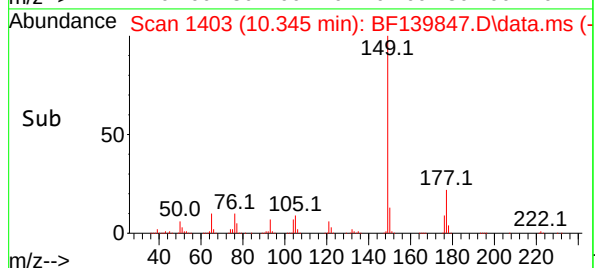
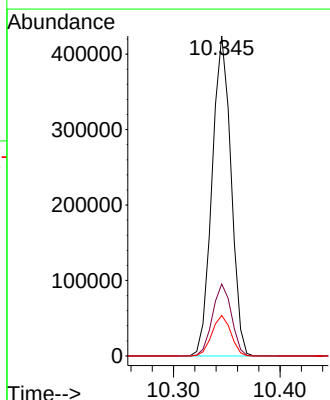
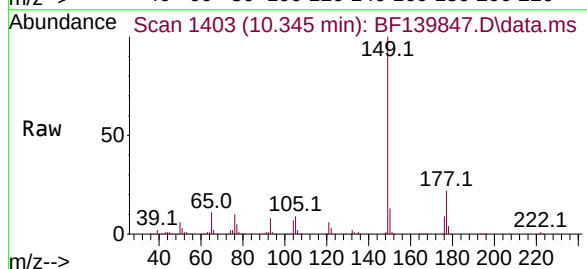
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

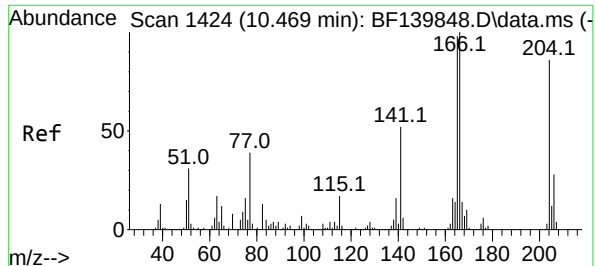
Tgt Ion:232 Resp: 134842
Ion Ratio Lower Upper
232 100
131 45.1 37.0 55.6
130 2.5 1.9 2.9
166 29.2 24.2 36.2



#60
Diethylphthalate
Concen: 20.723 ng
RT: 10.345 min Scan# 1403
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion:149 Resp: 523458
Ion Ratio Lower Upper
149 100
177 22.5 17.9 26.9
150 12.7 10.1 15.1

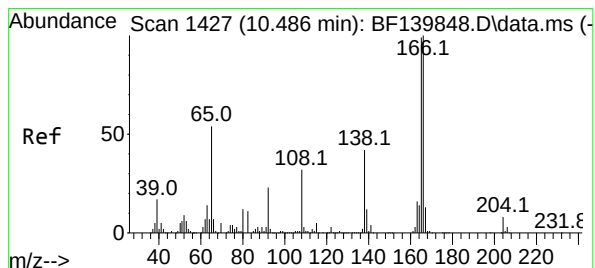
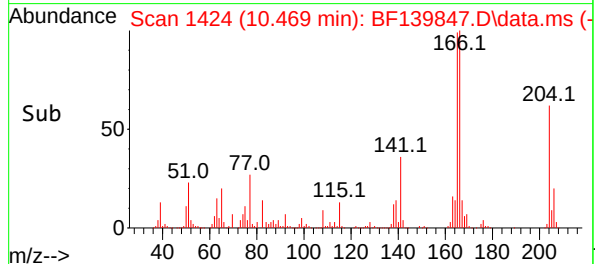
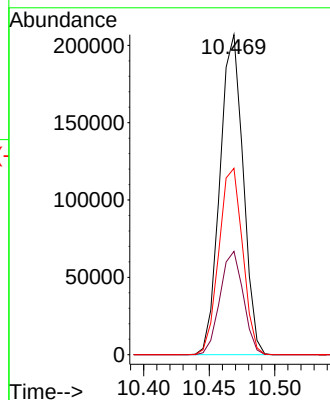
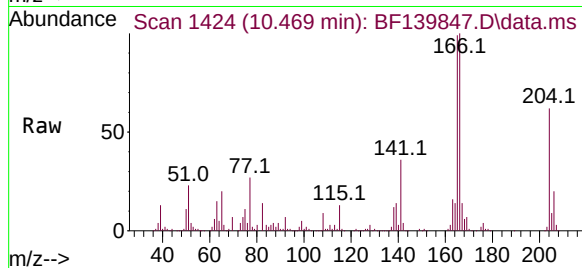




#61
4-Chlorophenyl-phenylether
Concen: 21.331 ng
RT: 10.469 min Scan# 1424
Delta R.T. 0.000 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

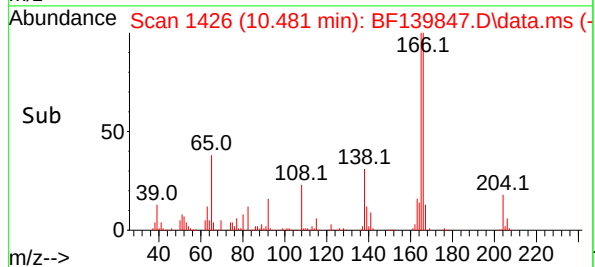
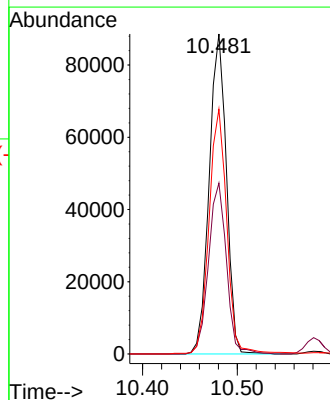
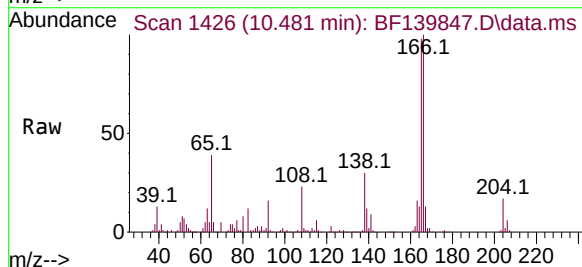
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

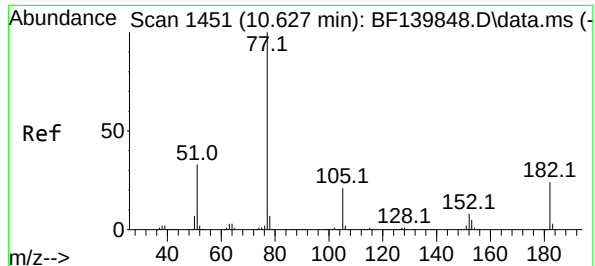
Tgt Ion:204 Resp: 254950
Ion Ratio Lower Upper
204 100
206 32.3 26.3 39.5
141 58.3 48.6 73.0



#62
4-Nitroaniline
Concen: 20.586 ng
RT: 10.481 min Scan# 1426
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion:138 Resp: 111683
Ion Ratio Lower Upper
138 100
92 53.4 35.7 75.7
108 76.5 57.5 97.5

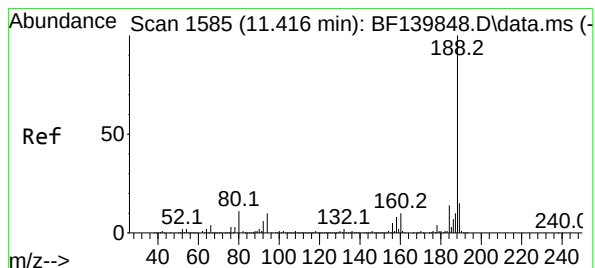
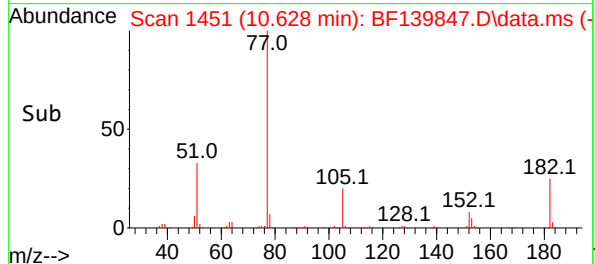
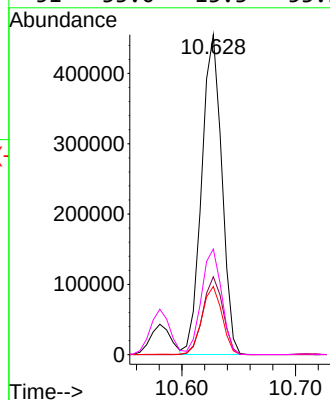
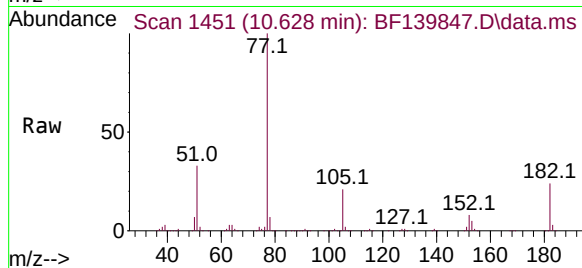




#63
Azobenzene
Concen: 20.906 ng
RT: 10.628 min Scan# 1451
Delta R.T. 0.000 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

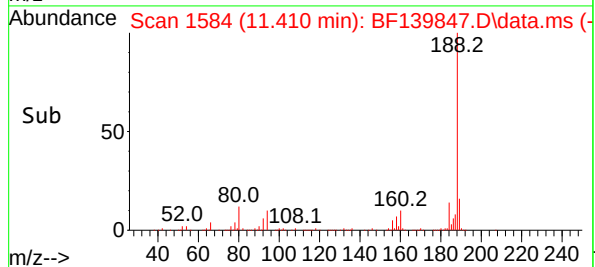
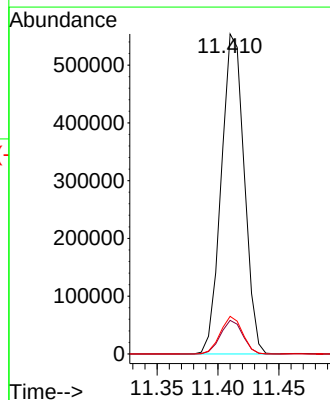
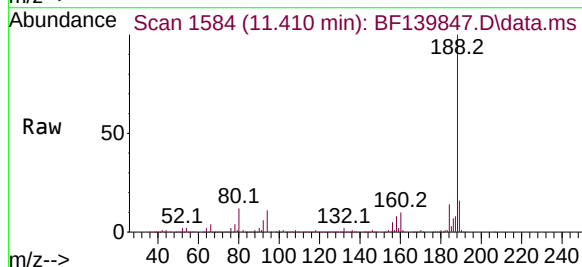
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

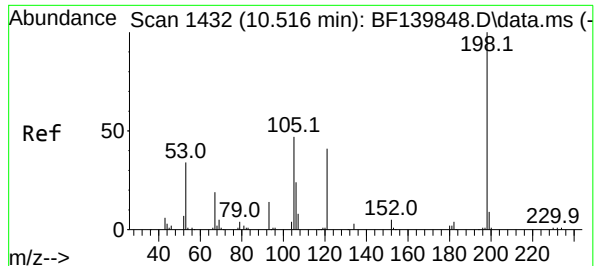
Tgt Ion: 77	Resp: 559837
Ion Ratio	Lower Upper
77 100	
182 24.4	3.3 43.3
105 21.3	1.2 41.2
51 33.0	13.3 53.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion: 188	Resp: 724973
Ion Ratio	Lower Upper
188 100	
94 10.5	7.9 11.9
80 11.7	9.0 13.4

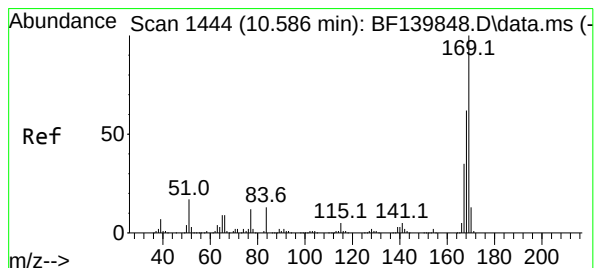
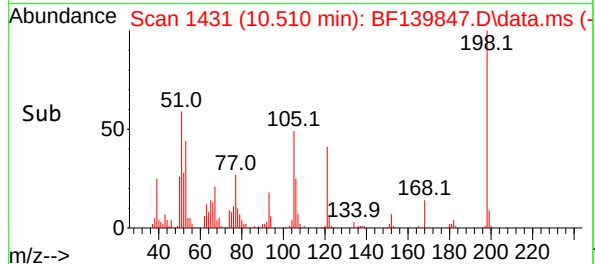
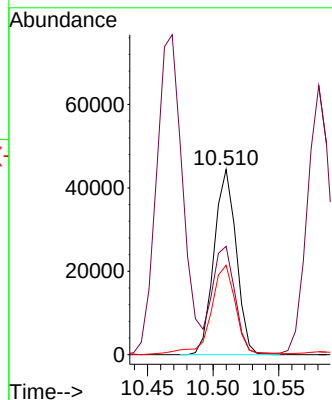
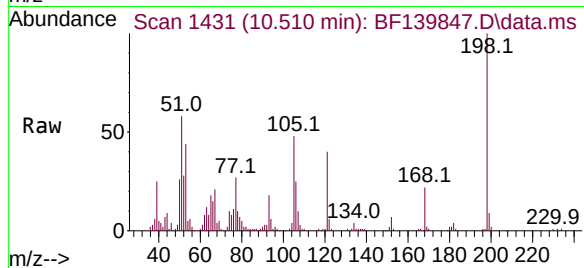




#65
4,6-Dinitro-2-methylphenol
Concen: 17.645 ng
RT: 10.510 min Scan# 1432
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

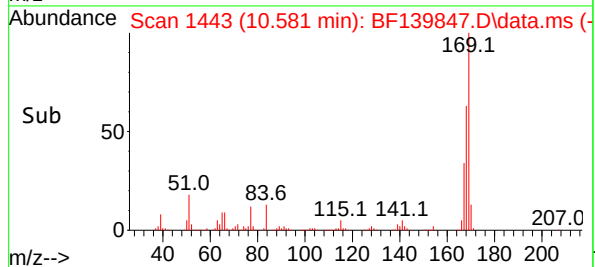
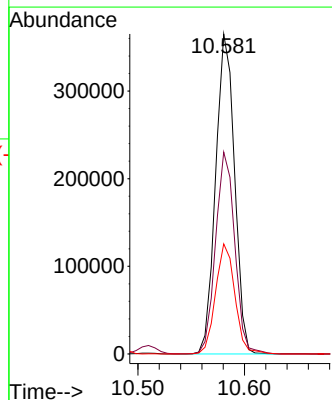
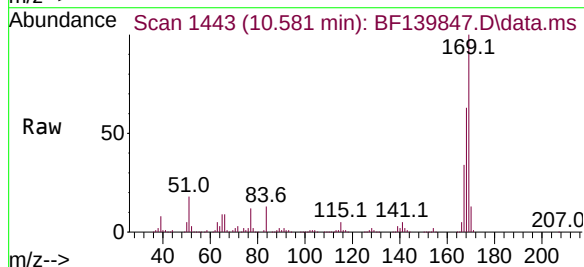
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

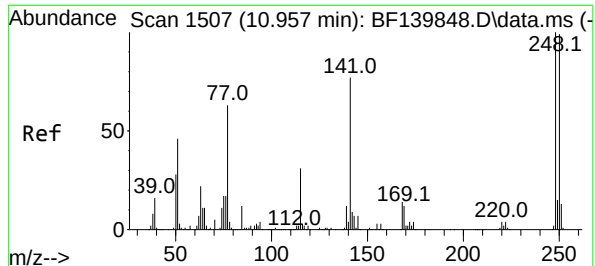
Tgt Ion:198 Resp: 52180
Ion Ratio Lower Upper
198 100
51 58.5 38.2 78.2
105 48.3 27.9 67.9



#66
n-Nitrosodiphenylamine
Concen: 20.736 ng
RT: 10.581 min Scan# 1443
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion:169 Resp: 449925
Ion Ratio Lower Upper
169 100
168 63.1 49.8 74.6
167 34.4 28.0 42.0





#67

4-Bromophenyl-phenylether

Concen: 20.512 ng

RT: 10.957 min Scan# 1507

Delta R.T. 0.000 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

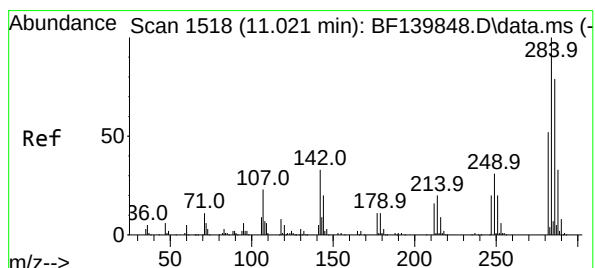
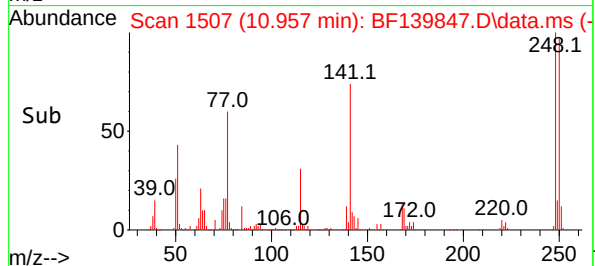
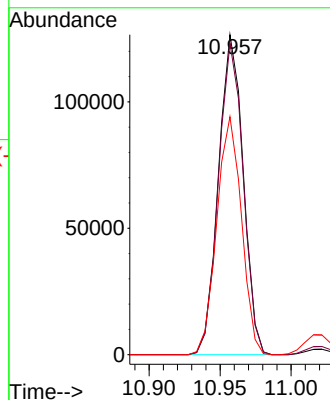
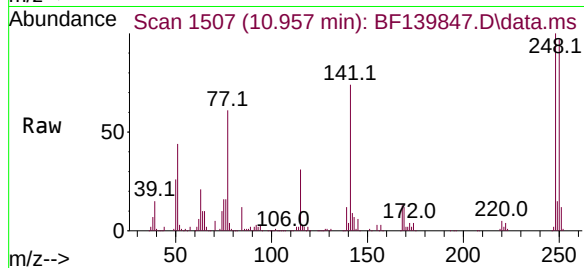
Tgt Ion:248 Resp: 153196

Ion Ratio Lower Upper

248 100

250 97.4 79.0 118.6

141 74.3 61.7 92.5



#68

Hexachlorobenzene

Concen: 20.488 ng

RT: 11.022 min Scan# 1518

Delta R.T. 0.000 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

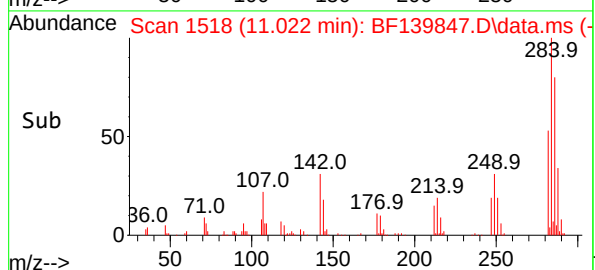
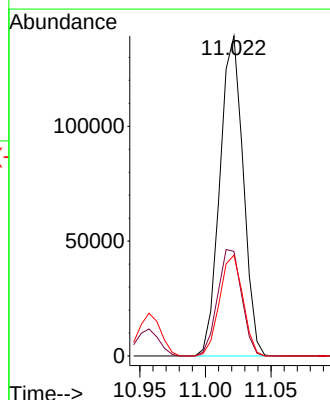
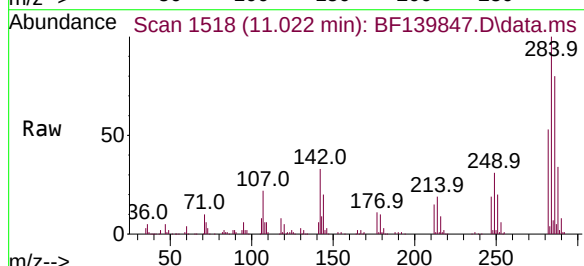
Tgt Ion:284 Resp: 172091

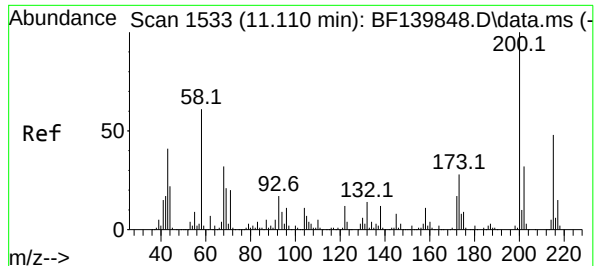
Ion Ratio Lower Upper

284 100

142 32.7 26.9 40.3

249 31.5 25.3 37.9





#69

Atrazine

Concen: 19.240 ng

RT: 11.104 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

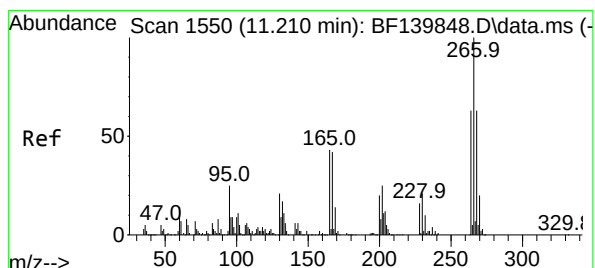
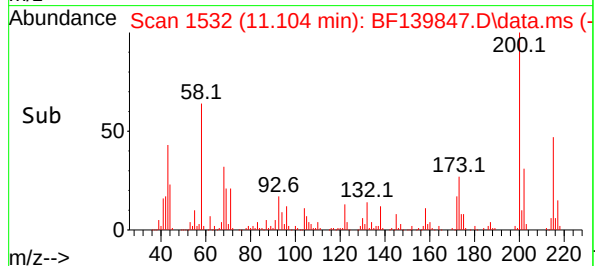
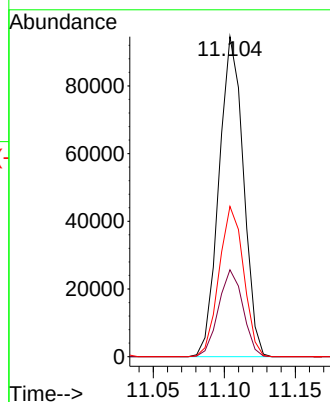
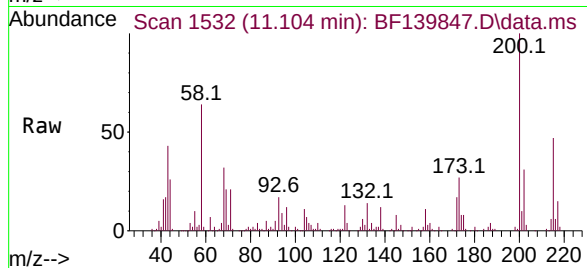
Tgt Ion:200 Resp: 113089

Ion Ratio Lower Upper

200 100

173 27.2 7.7 47.7

215 46.9 27.7 67.7



#70

Pentachlorophenol

Concen: 21.106 ng

RT: 11.210 min Scan# 1550

Delta R.T. 0.000 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

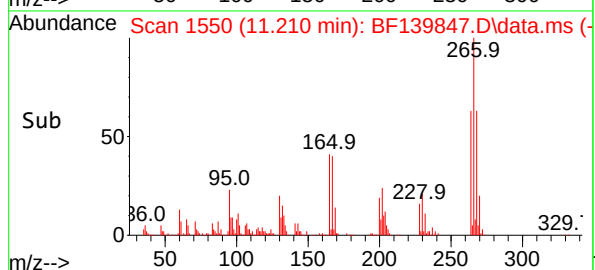
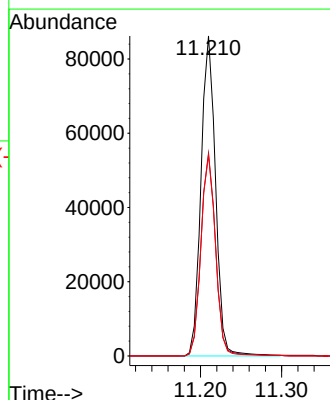
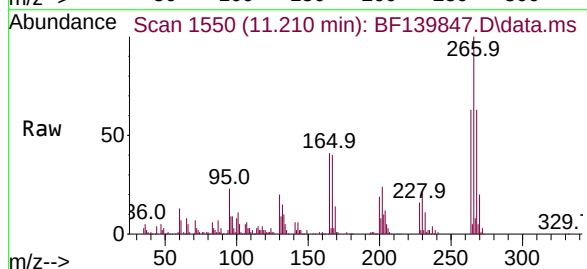
Tgt Ion:266 Resp: 107595

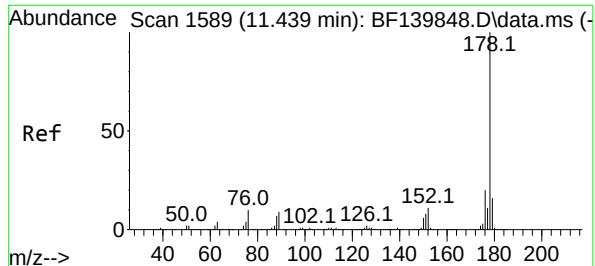
Ion Ratio Lower Upper

266 100

268 63.4 50.4 75.6

264 62.8 50.6 75.8

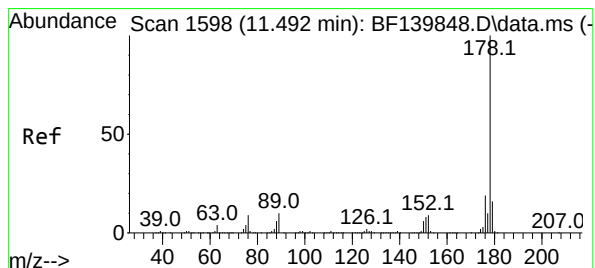
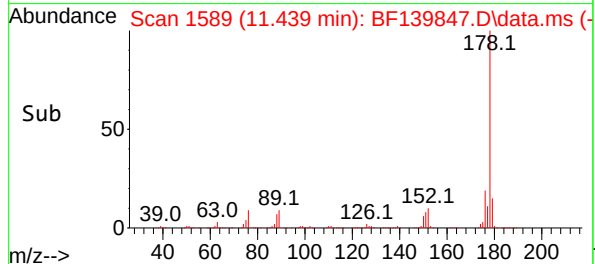
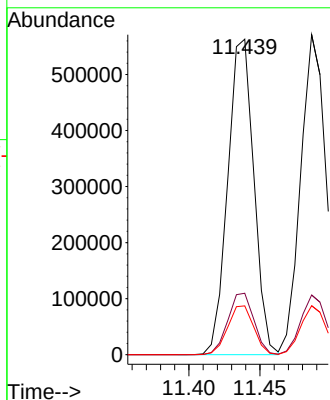
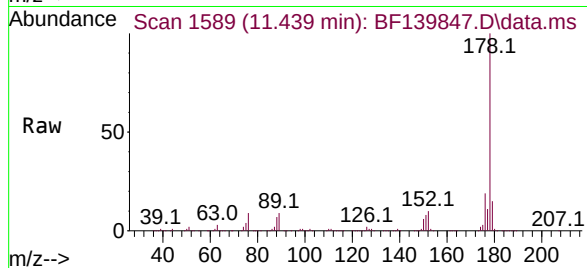




#71
Phenanthrene
Concen: 21.036 ng
RT: 11.439 min Scan# 1589
Delta R.T. 0.000 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

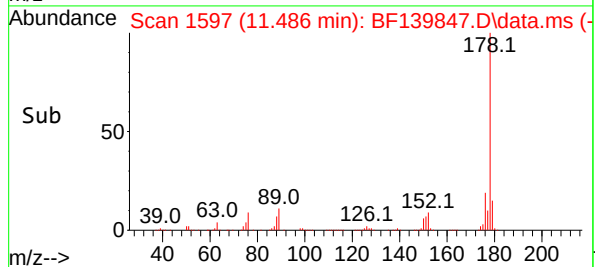
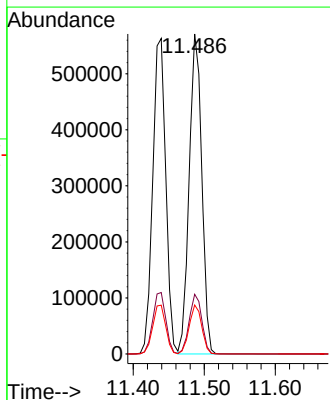
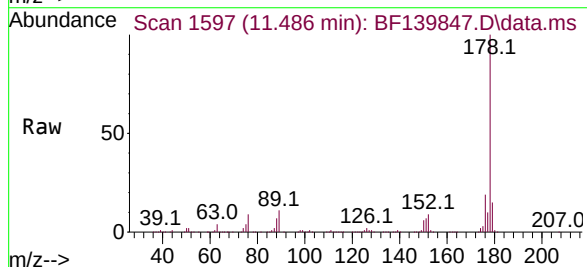
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

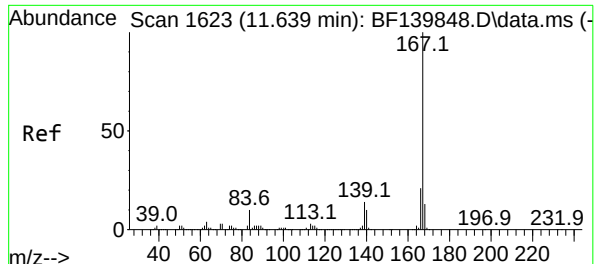
Tgt Ion:178 Resp: 720363
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.6
179 15.5 12.6 18.8



#72
Anthracene
Concen: 21.083 ng
RT: 11.486 min Scan# 1597
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion:178 Resp: 704417
Ion Ratio Lower Upper
178 100
176 18.7 15.3 22.9
179 15.3 12.4 18.6

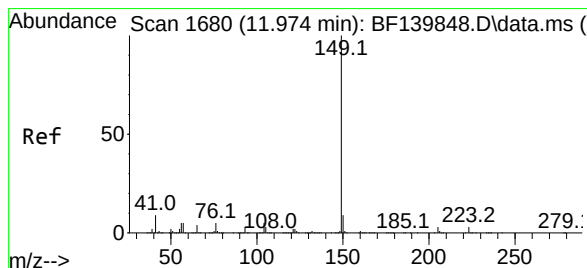
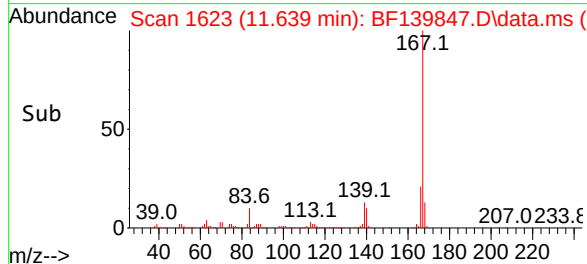
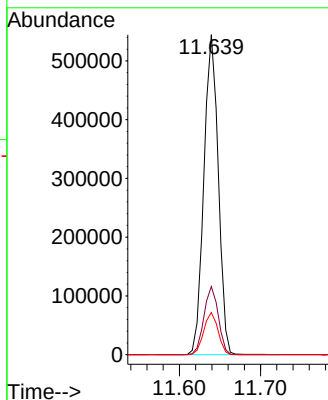
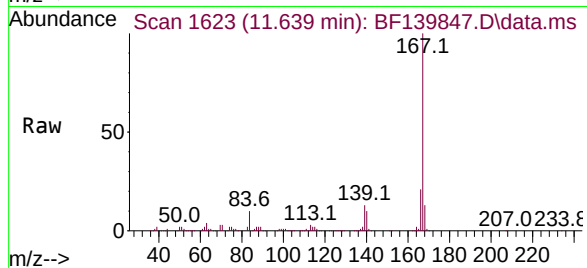




#73
Carbazole
Concen: 21.540 ng
RT: 11.639 min Scan# 1623
Delta R.T. 0.000 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

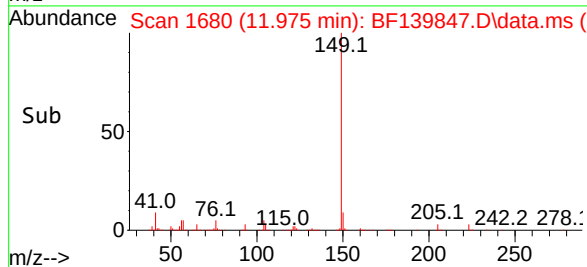
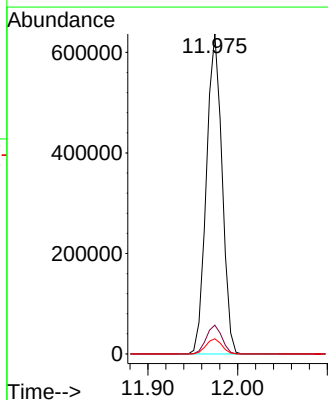
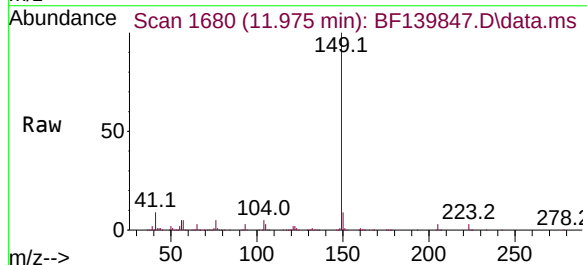
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

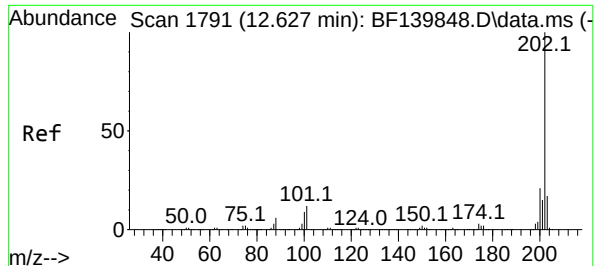
Tgt Ion:167 Resp: 669328
Ion Ratio Lower Upper
167 100
166 21.3 17.0 25.6
139 13.1 10.8 16.2



#74
Di-n-butylphthalate
Concen: 21.442 ng
RT: 11.975 min Scan# 1680
Delta R.T. 0.000 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion:149 Resp: 769779
Ion Ratio Lower Upper
149 100
150 9.0 7.5 11.3
104 4.8 4.1 6.1

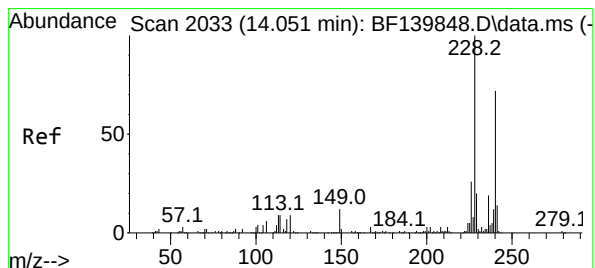
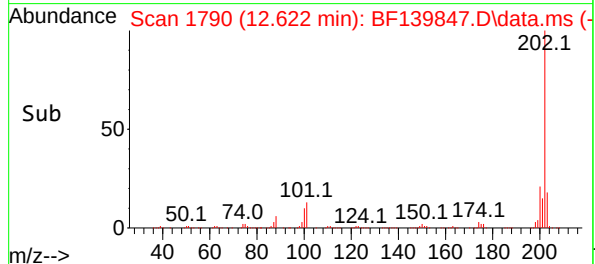
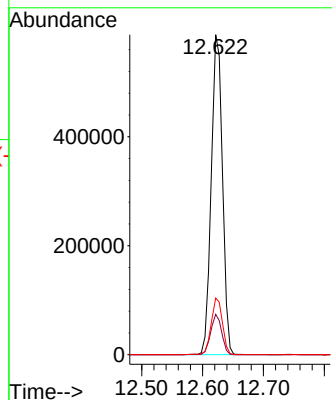
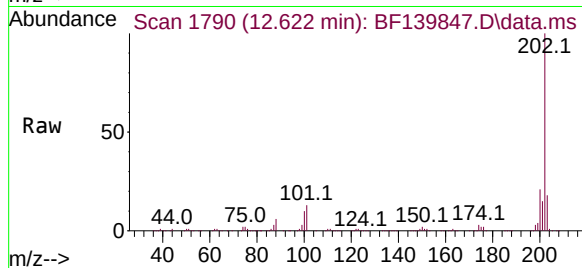




#75
Fluoranthene
Concen: 21.703 ng
RT: 12.622 min Scan# 1791
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

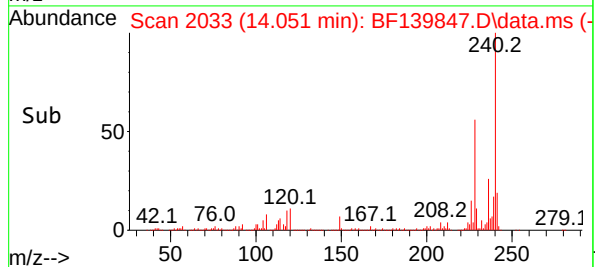
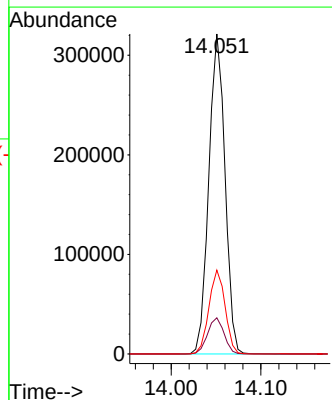
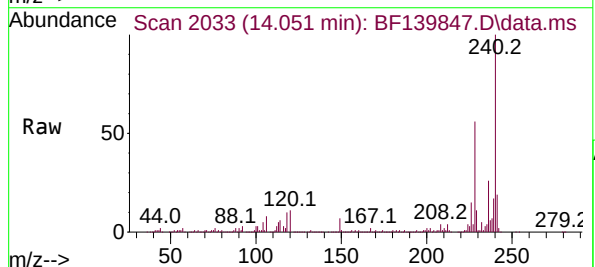
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

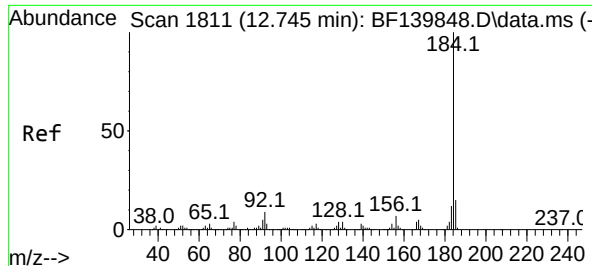
Tgt Ion:202 Resp: 751337
Ion Ratio Lower Upper
202 100
101 12.6 0.0 31.9
203 17.7 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion:240 Resp: 402251
Ion Ratio Lower Upper
240 100
120 11.3 9.4 14.2
236 26.2 20.9 31.3

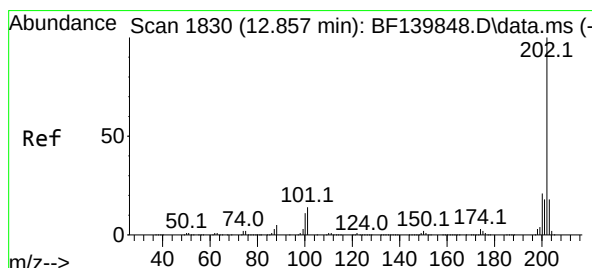
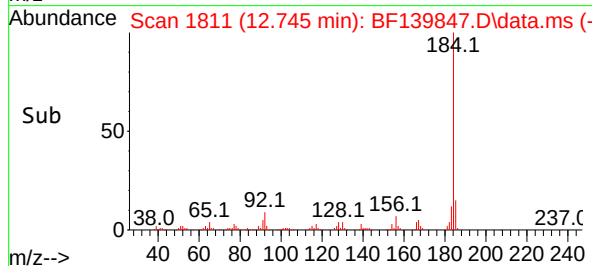
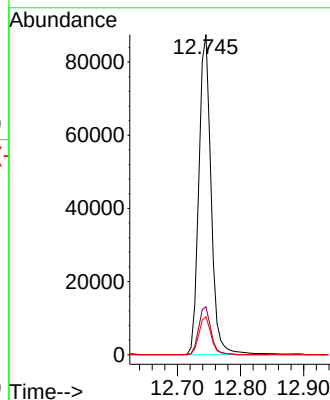
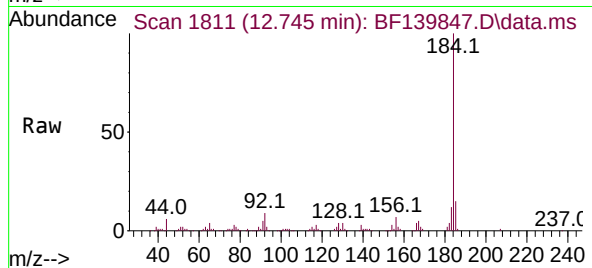




#77
Benzidine
Concen: 18.042 ng
RT: 12.745 min Scan# 1811
Delta R.T. 0.000 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

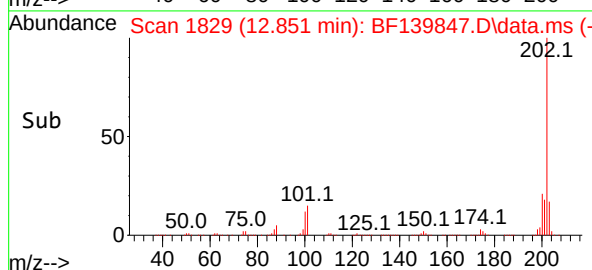
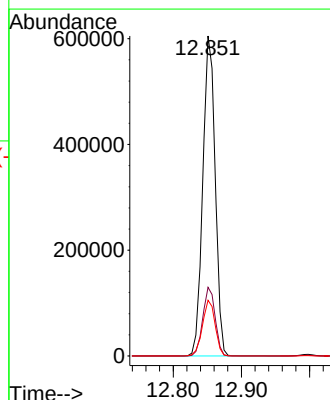
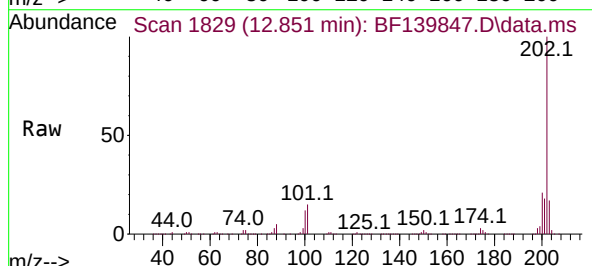
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

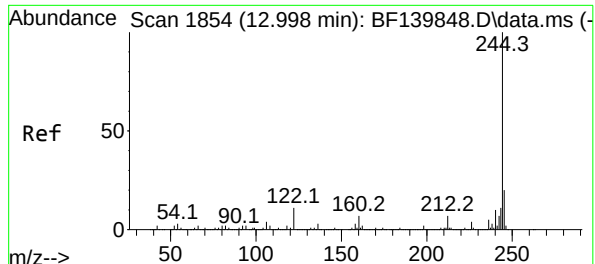
Tgt Ion:184 Resp: 118035
Ion Ratio Lower Upper
184 100
185 15.0 12.0 18.0
183 11.8 9.4 14.2



#78
Pyrene
Concen: 21.700 ng
RT: 12.851 min Scan# 1829
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion:202 Resp: 764077
Ion Ratio Lower Upper
202 100
200 21.5 17.2 25.8
203 17.4 14.2 21.4

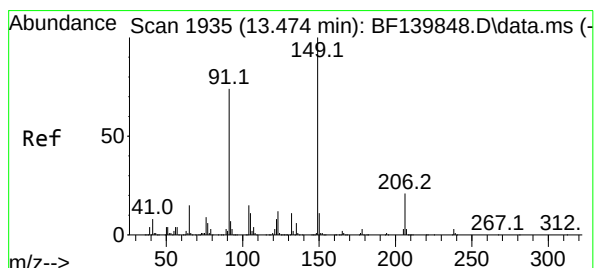
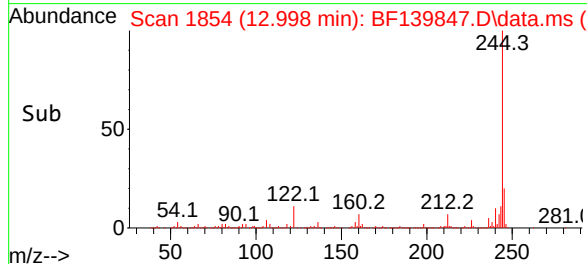
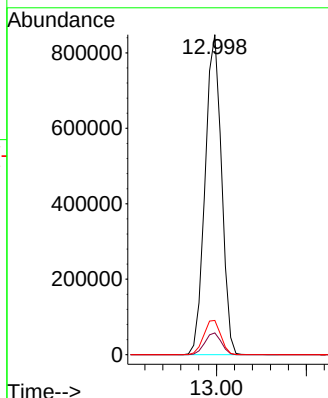
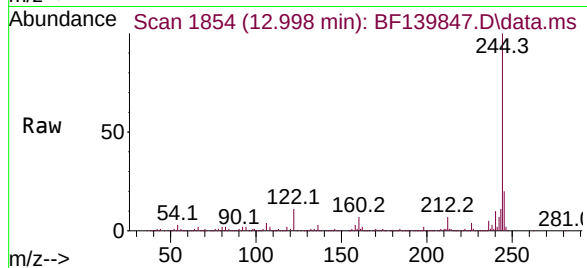




#79
Terphenyl-d14
Concen: 43.673 ng
RT: 12.998 min Scan# 1854
Delta R.T. 0.000 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

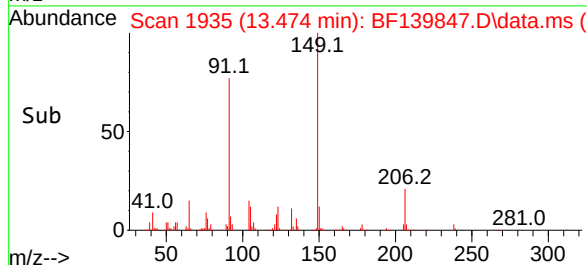
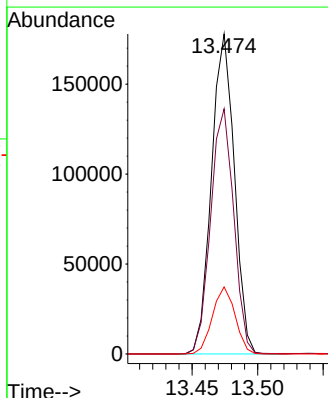
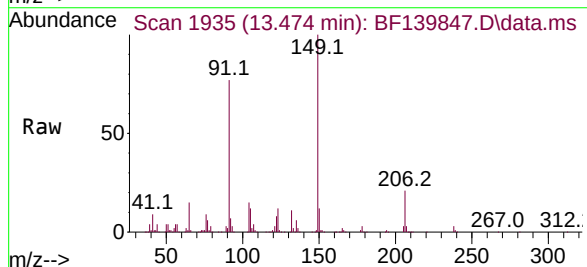
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

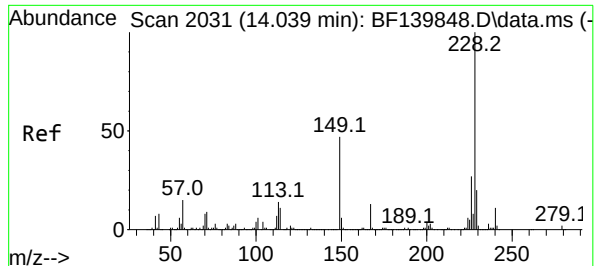
Tgt Ion:244 Resp: 1078101
Ion Ratio Lower Upper
244 100
212 6.8 5.7 8.5
122 10.7 8.6 13.0



#80
Butylbenzylphthalate
Concen: 20.432 ng
RT: 13.474 min Scan# 1935
Delta R.T. 0.000 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion:149 Resp: 215683
Ion Ratio Lower Upper
149 100
91 76.6 59.4 89.2
206 20.9 16.4 24.6

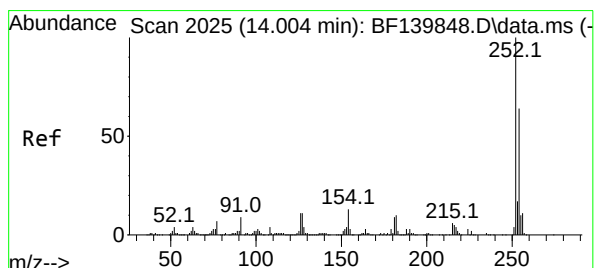
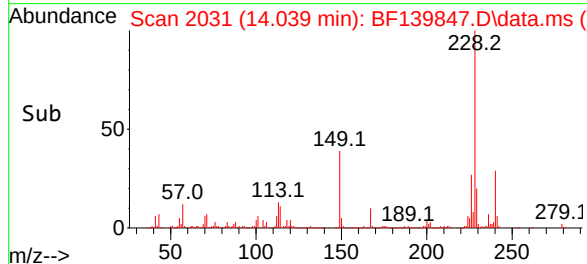
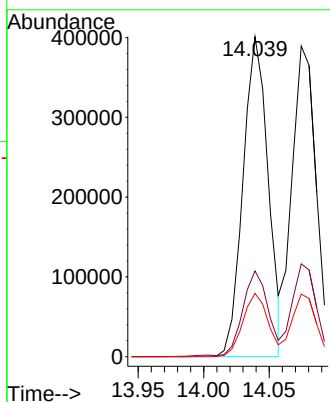
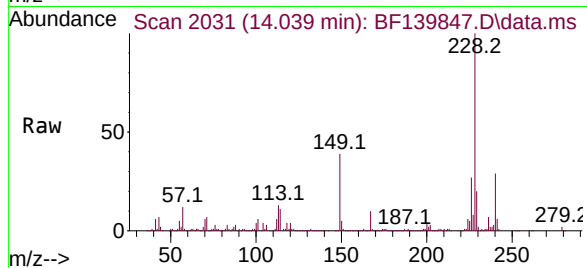




#81
Benzo(a)anthracene
Concen: 20.413 ng
RT: 14.039 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

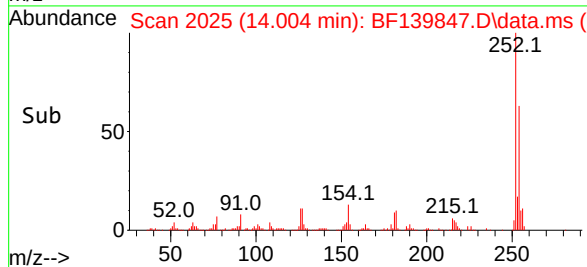
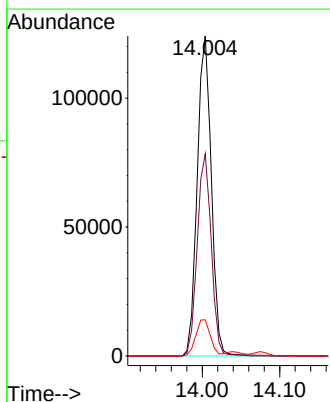
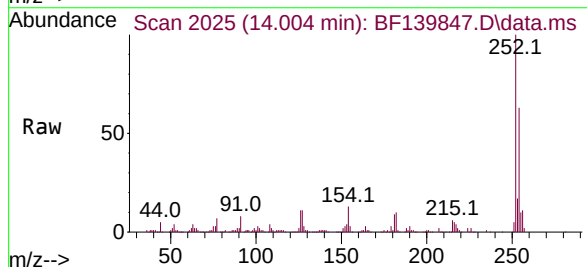
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

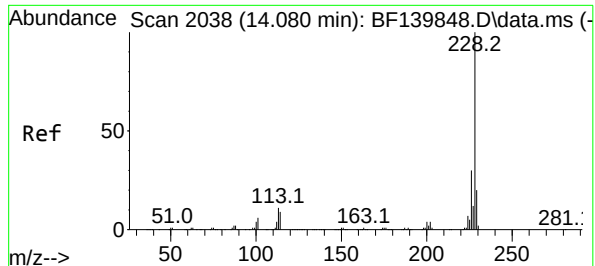
Tgt Ion:228 Resp: 534525
Ion Ratio Lower Upper
228 100
226 26.8 21.6 32.4
229 19.8 16.1 24.1



#82
3,3'-Dichlorobenzidine
Concen: 20.534 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

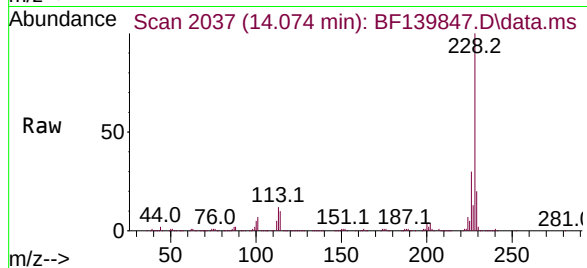
Tgt Ion:252 Resp: 156770
Ion Ratio Lower Upper
252 100
254 63.2 50.8 76.2
126 11.3 8.9 13.3



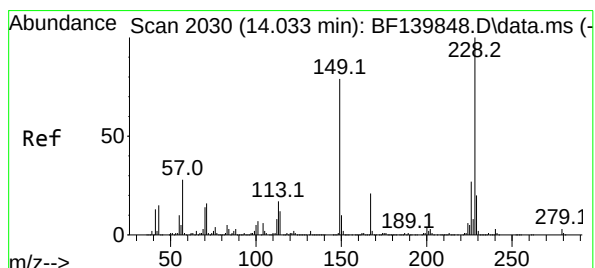
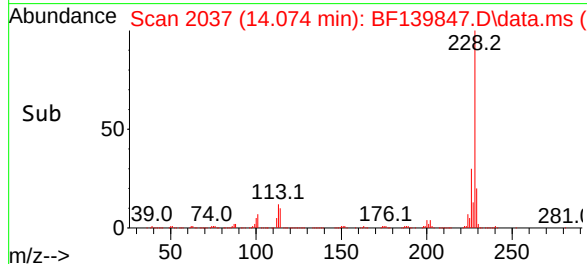
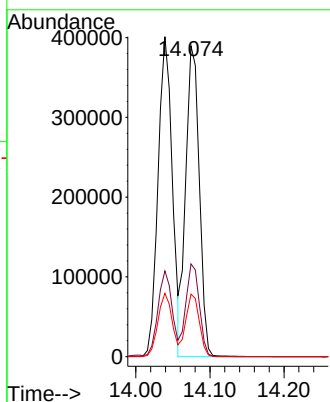


#83
Chrysene
Concen: 20.678 ng
RT: 14.074 min Scan# 2037
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

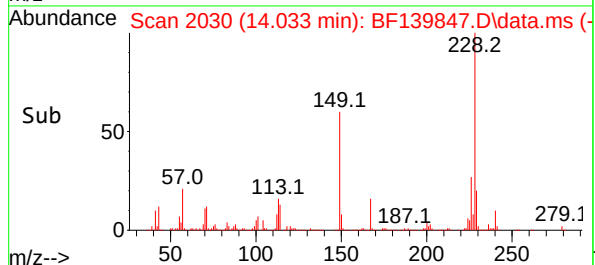
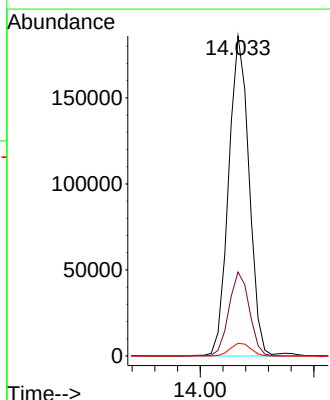
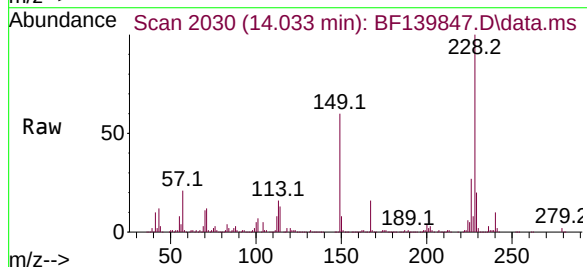


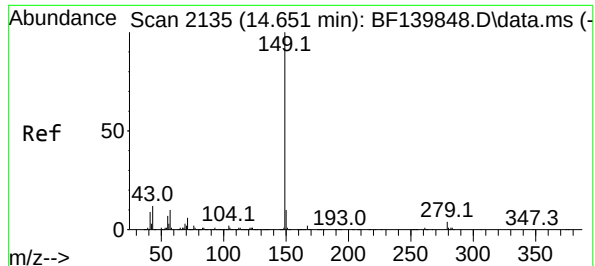
Tgt Ion:228 Resp: 496447
Ion Ratio Lower Upper
228 100
226 29.9 24.1 36.1
229 20.1 15.8 23.6



#84
Bis(2-ethylhexyl)phthalate
Concen: 19.606 ng
RT: 14.033 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion:149 Resp: 232200
Ion Ratio Lower Upper
149 100
167 26.3 21.4 32.0
279 4.0 3.0 4.4

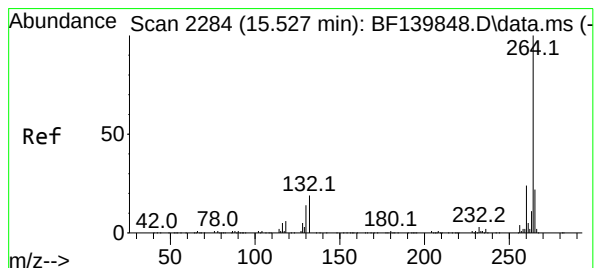
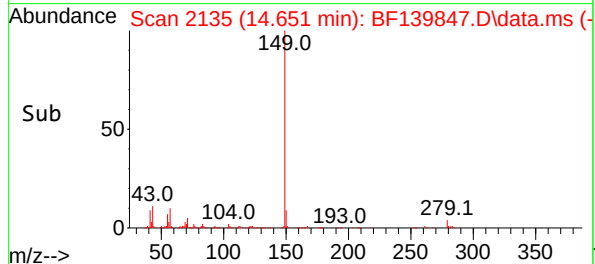
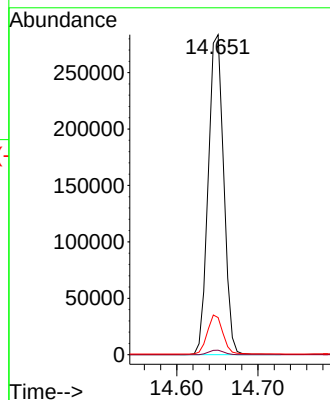
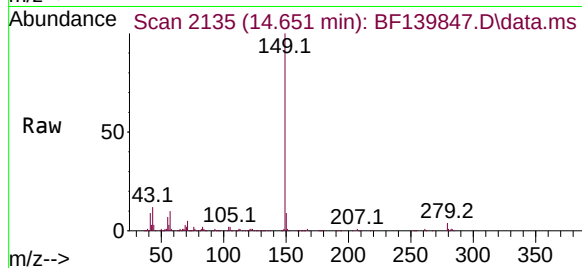




#85
Di-n-octyl phthalate
Concen: 17.359 ng
RT: 14.651 min Scan# 2135
Delta R.T. -0.000 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

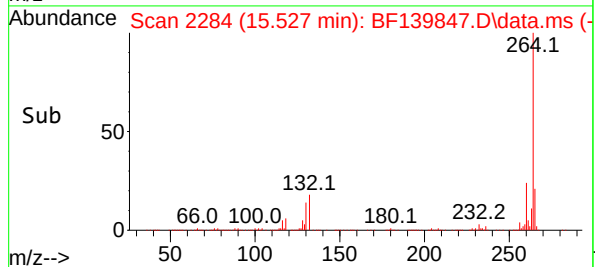
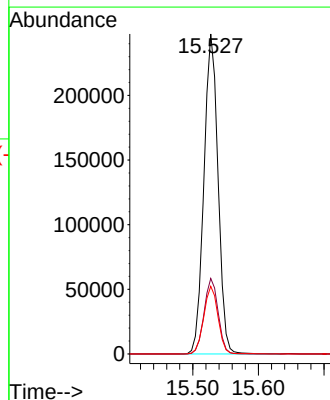
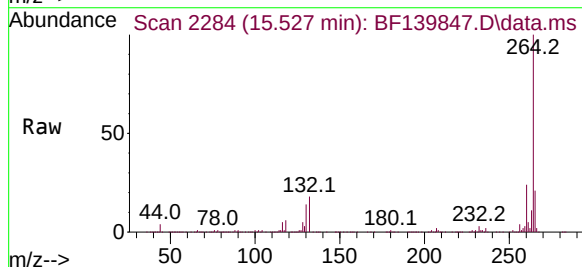
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

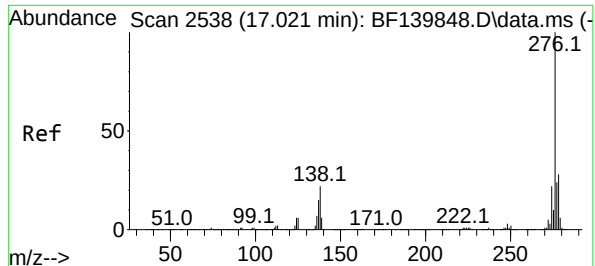
Tgt Ion:149 Resp: 373952
Ion Ratio Lower Upper
149 100
167 1.4 1.2 1.8
43 12.2 9.8 14.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2284
Delta R.T. 0.000 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion:264 Resp: 371811
Ion Ratio Lower Upper
264 100
260 23.6 19.4 29.2
265 21.1 17.4 26.0

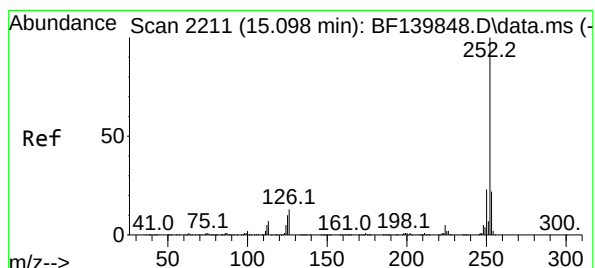
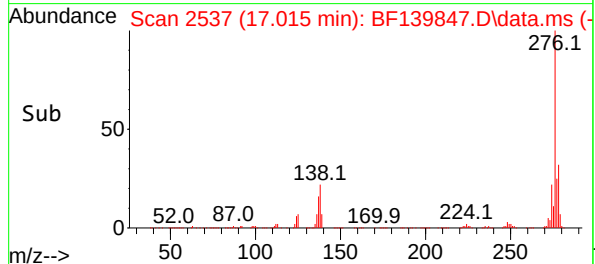
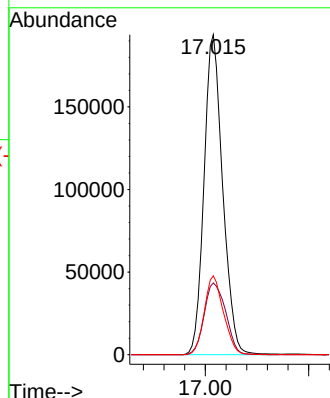
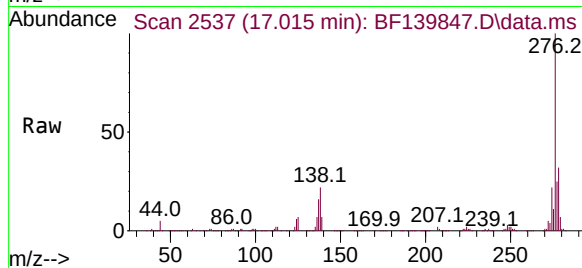




#87
Indeno(1,2,3-cd)pyrene
Concen: 20.312 ng
RT: 17.015 min Scan# 2110
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

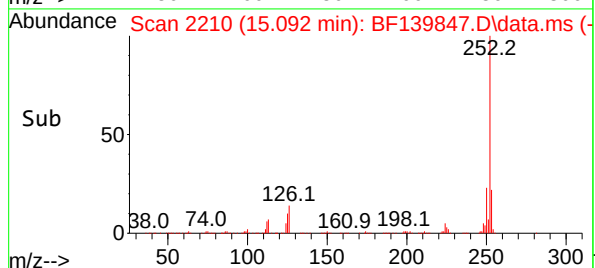
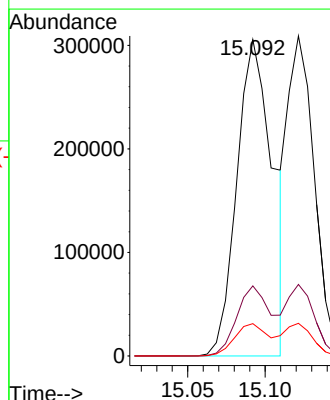
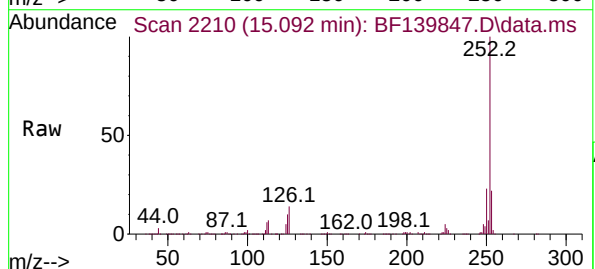
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

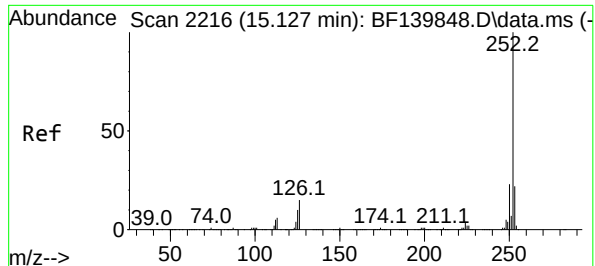
Tgt Ion:276 Resp: 485858
Ion Ratio Lower Upper
276 100
138 25.9 20.4 30.6
277 25.2 20.2 30.4



#88
Benzo(b)fluoranthene
Concen: 21.659 ng
RT: 15.092 min Scan# 2210
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion:252 Resp: 490566
Ion Ratio Lower Upper
252 100
253 22.2 17.6 26.4
125 10.2 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 18.883 ng

RT: 15.121 min Scan# 2216

Delta R.T. -0.006 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

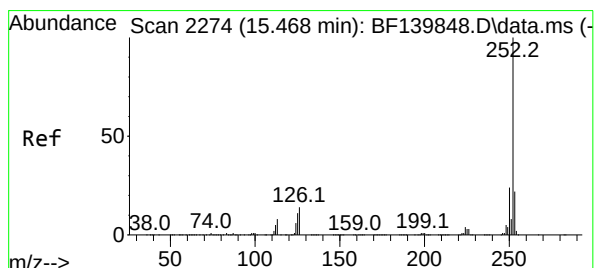
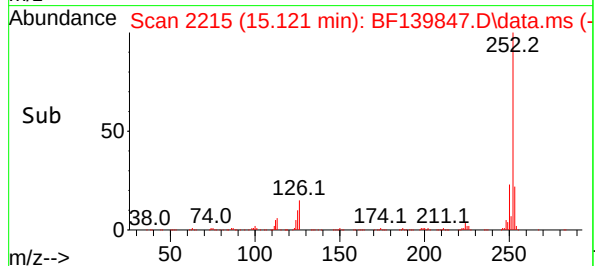
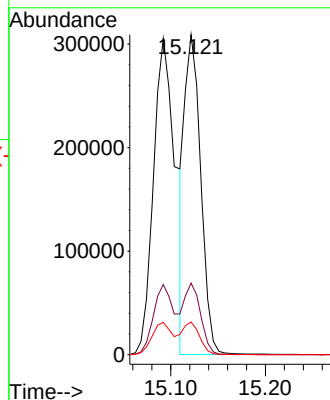
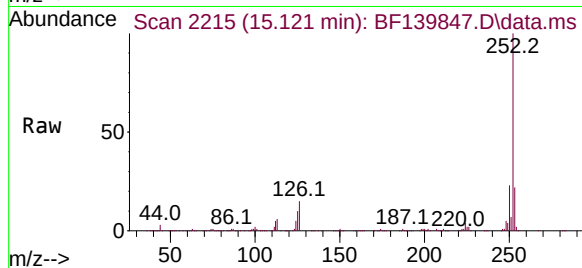
Tgt Ion:252 Resp: 368835

Ion Ratio Lower Upper

252 100

253 22.3 17.6 26.4

125 10.2 7.9 11.9



#90

Benzo(a)pyrene

Concen: 20.316 ng

RT: 15.463 min Scan# 2273

Delta R.T. -0.006 min

Lab File: BF139847.D

Acq: 18 Oct 2024 11:52

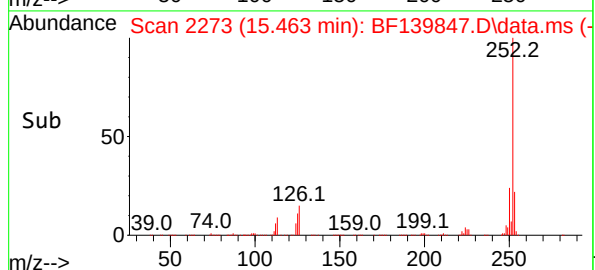
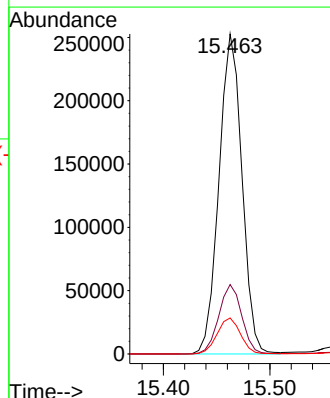
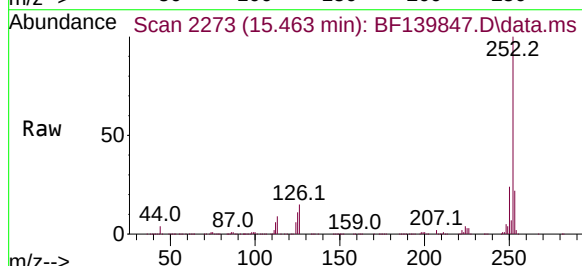
Tgt Ion:252 Resp: 378617

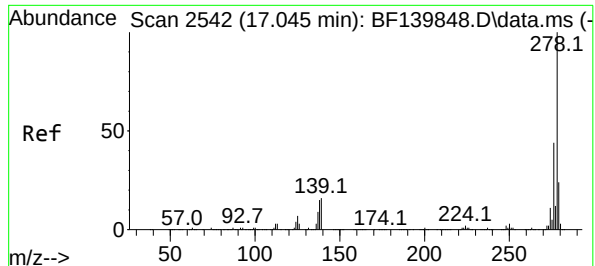
Ion Ratio Lower Upper

252 100

253 21.7 17.3 25.9

125 11.2 8.7 13.1

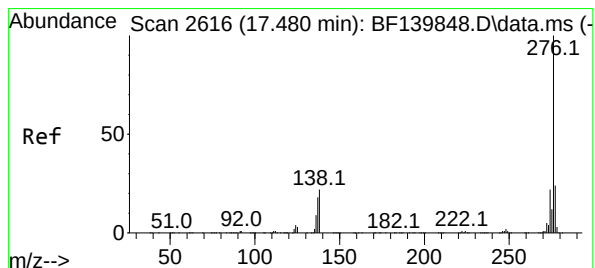
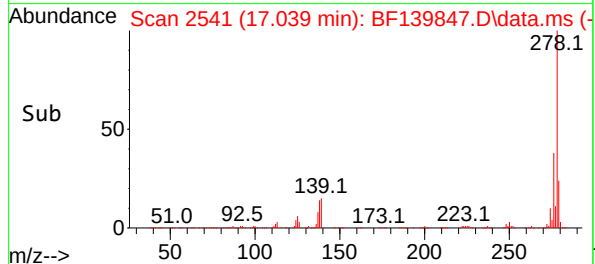
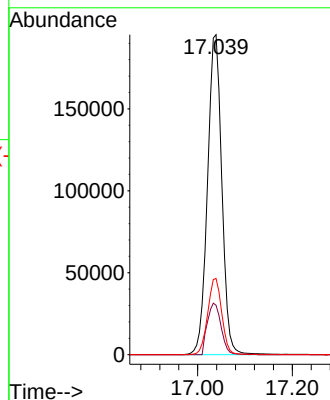
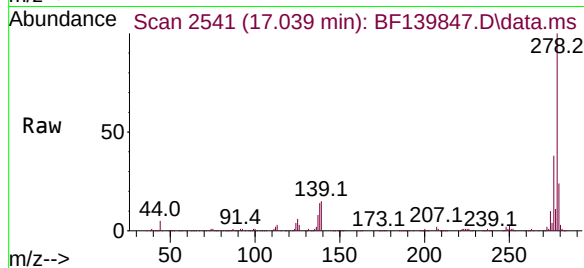




#91
Dibenzo(a,h)anthracene
Concen: 20.561 ng
RT: 17.039 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

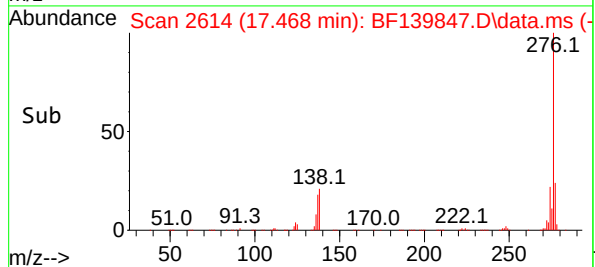
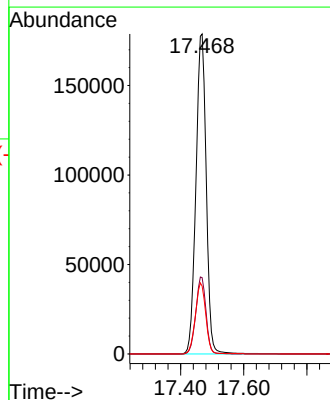
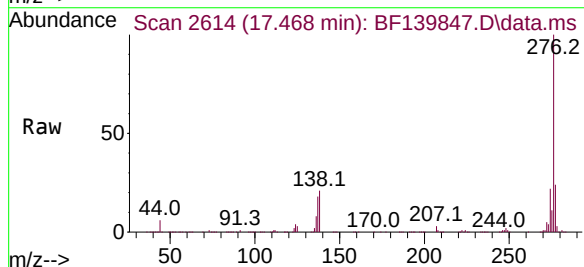
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:278 Resp: 410285
Ion Ratio Lower Upper
278 100
139 15.4 13.1 19.7
279 23.8 19.0 28.4



#92
Benzo(g,h,i)perylene
Concen: 20.326 ng
RT: 17.468 min Scan# 2614
Delta R.T. -0.012 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion:276 Resp: 405140
Ion Ratio Lower Upper
276 100
277 23.9 19.0 28.6
138 21.2 17.4 26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101824\
 Data File : BF139848.D
 Acq On : 18 Oct 2024 12:20
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICCC040

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/21/2024
 Supervised By :mohammad ahmed 10/21/2024

Quant Time: Oct 18 14:18:47 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 14:11:20 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	181899	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	688880	20.000	ng	0.00
39) Acenaphthene-d10	9.927	164	379753	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	663459	20.000	ng	0.00
76) Chrysene-d12	14.051	240	345800	20.000	ng	0.00
86) Perylene-d12	15.527	264	365076	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	929569	80.002	ng	0.00
7) Phenol-d6	6.510	99	1197998	79.607	ng	0.00
23) Nitrobenzene-d5	7.451	82	1021808	82.209	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	285205	80.292	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	1764495	76.791	ng	0.00
79) Terphenyl-d14	12.998	244	1721125	81.103	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.687	88	214958	39.679	ng	100
3) Pyridine	3.446	79	547145	40.746	ng	100
4) n-Nitrosodimethylamine	3.398	42	293138	40.631	ng	100
6) Aniline	6.551	93	575402	41.026	ng	100
8) 2-Chlorophenol	6.675	128	476614	40.124	ng	100
9) Benzaldehyde	6.439	77	341959	40.393	ng	100
10) Phenol	6.522	94	622748m	39.429	ng	
11) bis(2-Chloroethyl)ether	6.628	93	470765	39.258	ng	100
12) 1,3-Dichlorobenzene	6.834	146	545252	39.988	ng	100
13) 1,4-Dichlorobenzene	6.910	146	541068	39.718	ng	100
14) 1,2-Dichlorobenzene	7.063	146	501857	39.473	ng	100
15) Benzyl Alcohol	7.028	79	441461	39.991	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.169	45	820216	40.113	ng	100
17) 2-Methylphenol	7.133	107	405109	39.996	ng	100
18) Hexachloroethane	7.404	117	196637	40.478	ng	100
19) n-Nitroso-di-n-propyla...	7.304	70	354454	38.835	ng	100
20) 3+4-Methylphenols	7.286	107	515857	39.818	ng	100
22) Acetophenone	7.298	105	663304	39.312	ng	100
24) Nitrobenzene	7.475	77	555115	40.735	ng	100
25) Isophorone	7.710	82	935400	39.651	ng	100
26) 2-Nitrophenol	7.786	139	216916	42.193	ng	100
27) 2,4-Dimethylphenol	7.816	122	341985	39.894	ng	100
28) bis(2-Chloroethoxy)met...	7.922	93	567188	39.683	ng	100
29) 2,4-Dichlorophenol	8.022	162	390330	39.976	ng	100
30) 1,2,4-Trichlorobenzene	8.116	180	434274	40.195	ng	100
31) Naphthalene	8.198	128	1409796	39.681	ng	100
32) Benzoic acid	7.922	122	302443	40.451	ng	100
33) 4-Chloroaniline	8.239	127	483982	39.950	ng	100
34) Hexachlorobutadiene	8.316	225	271315	39.967	ng	100
35) Caprolactam	8.610	113	126585	40.772	ng	100
36) 4-Chloro-3-methylphenol	8.710	107	433727	40.116	ng	100
37) 2-Methylnaphthalene	8.886	142	856111	39.345	ng	100
38) 1-Methylnaphthalene	8.986	142	842638	39.471	ng	100
40) 1,2,4,5-Tetrachloroben...	9.051	216	407511	39.776	ng	100
41) Hexachlorocyclopentadiene	9.039	237	150540	42.229	ng	100
43) 2,4,6-Trichlorophenol	9.157	196	293577	40.474	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101824\
 Data File : BF139848.D
 Acq On : 18 Oct 2024 12:20
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICCC040

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/21/2024
 Supervised By :mohammad ahmed 10/21/2024

Quant Time: Oct 18 14:18:47 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 14:11:20 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	304213	40.651	ng	100
46) 1,1'-Biphenyl	9.351	154	1047094	39.608	ng	100
47) 2-Chloronaphthalene	9.375	162	843452	39.613	ng	100
48) 2-Nitroaniline	9.463	65	277165	42.562	ng	100
49) Acenaphthylene	9.792	152	1226273	39.837	ng	100
50) Dimethylphthalate	9.651	163	939670	39.726	ng	100
51) 2,6-Dinitrotoluene	9.710	165	212956	41.580	ng	100
52) Acenaphthene	9.963	154	792756	39.811	ng	100
53) 3-Nitroaniline	9.874	138	222098	42.051	ng	100
54) 2,4-Dinitrophenol	9.974	184	76948	39.739	ng	100
55) Dibenzofuran	10.133	168	1128670	39.505	ng	100
56) 4-Nitrophenol	10.022	139	175913	43.292	ng	100
57) 2,4-Dinitrotoluene	10.110	165	270604	42.965	ng	100
58) Fluorene	10.474	166	843048	38.742	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	235175	40.087	ng	100
60) Diethylphthalate	10.351	149	922384	39.715	ng	100
61) 4-Chlorophenyl-phenyle...	10.469	204	432393	39.347	ng	100
62) 4-Nitroaniline	10.486	138	208926	41.884	ng	100
63) Azobenzene	10.627	77	991989	40.289	ng	100
65) 4,6-Dinitro-2-methylph...	10.516	198	115824	42.799	ng	100
66) n-Nitrosodiphenylamine	10.586	169	789753	39.772	ng	100
67) 4-Bromophenyl-phenylether	10.957	248	268509	39.285	ng	100
68) Hexachlorobenzene	11.021	284	306919	39.927	ng	100
69) Atrazine	11.110	200	232078	43.145	ng	100
70) Pentachlorophenol	11.210	266	201559	43.204	ng	100
71) Phenanthrene	11.439	178	1238155	39.508	ng	100
72) Anthracene	11.492	178	1211718	39.628	ng	100
73) Carbazole	11.639	167	1122566	39.475	ng	100
74) Di-n-butylphthalate	11.974	149	1345878	40.965	ng	100
75) Fluoranthene	12.627	202	1251202	39.493	ng	100
77) Benzidine	12.745	184	252893	44.967	ng	100
78) Pyrene	12.857	202	1248309	41.241	ng	100
80) Butylbenzylphthalate	13.474	149	383831	42.297	ng	100
81) Benzo(a)anthracene	14.039	228	920698	40.901	ng	100
82) 3,3'-Dichlorobenzidine	14.004	252	267769	40.798	ng	100
83) Chrysene	14.080	228	806950	39.098	ng	100
84) Bis(2-ethylhexyl)phtha...	14.033	149	432750	42.504	ng	100
85) Di-n-octyl phthalate	14.651	149	785179	42.399	ng	100
87) Indeno(1,2,3-cd)pyrene	17.021	276	987345	42.039	ng	100
88) Benzo(b)fluoranthene	15.098	252	873168	39.263	ng	100
89) Benzo(k)fluoranthene	15.127	252	778470	40.589	ng	100
90) Benzo(a)pyrene	15.468	252	748507	40.905	ng	100
91) Dibenzo(a,h)anthracene	17.045	278	818044	41.752	ng	100
92) Benzo(g,h,i)perylene	17.480	276	823727	42.090	ng	100

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

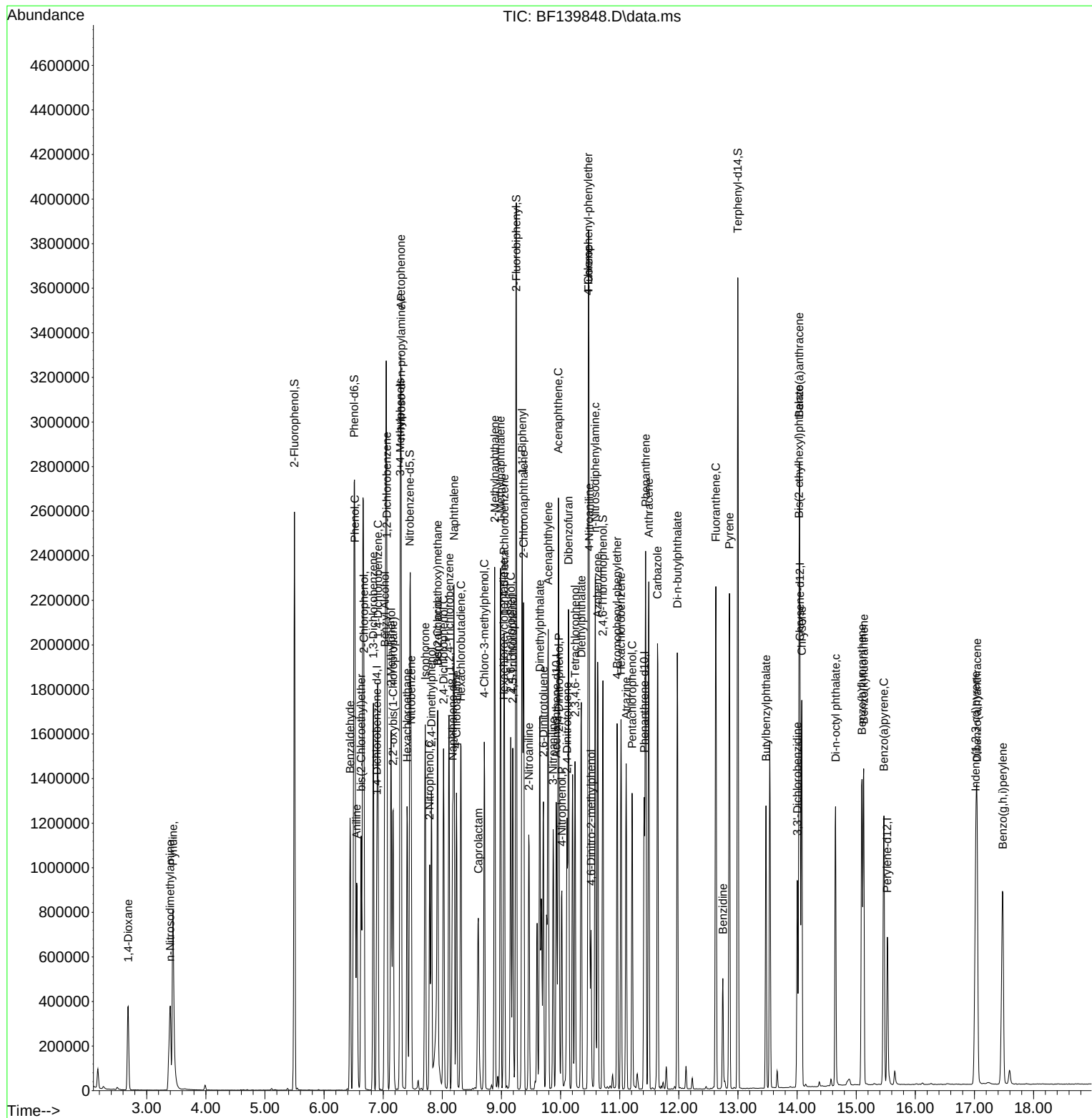
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Data File : BF139848.D
Acq On : 18 Oct 2024 12:20
Operator : RC/JU
Sample : SSTDICC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

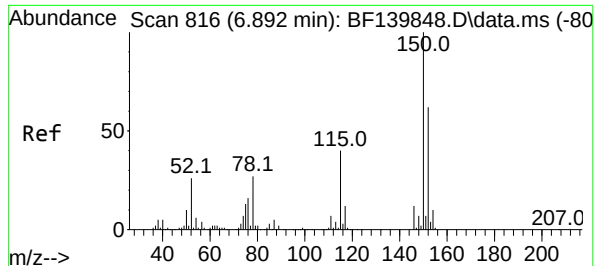
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

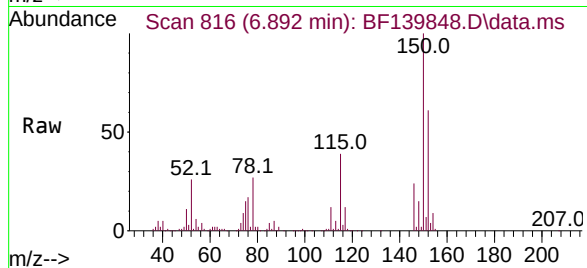
Quant Time: Oct 18 14:18:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 14:11:20 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 816
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

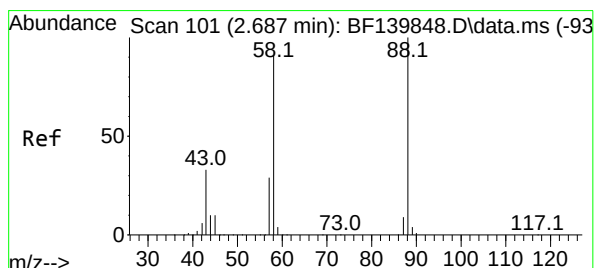
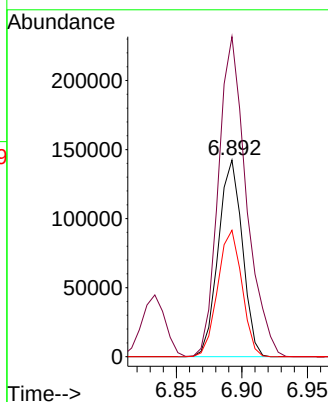
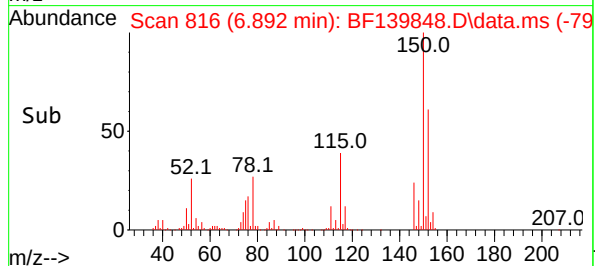
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:152 Resp: 181899
Ion Ratio Lower Upper
152 100
150 162.7 130.2 195.2
115 64.3 51.4 77.2

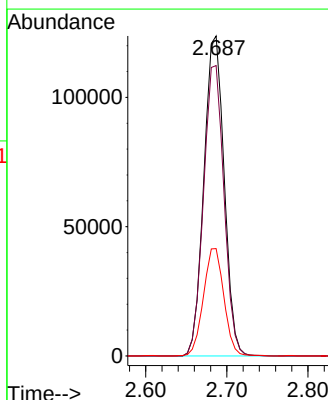
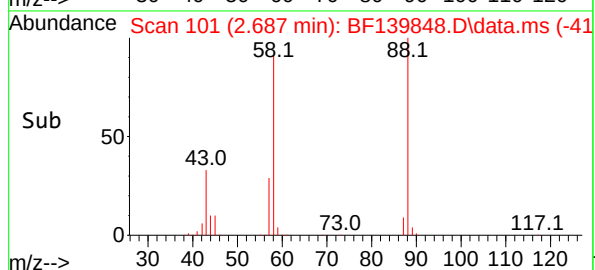
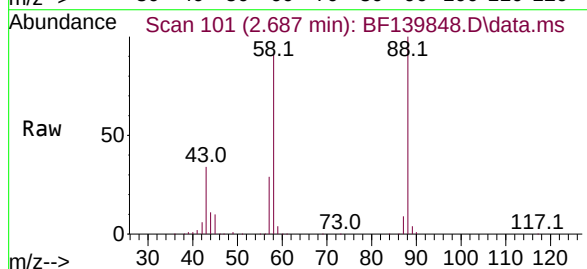
Manual Integrations
APPROVED

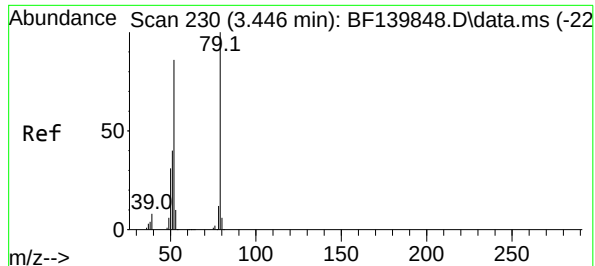
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#2
1,4-Dioxane
Concen: 39.679 ng
RT: 2.687 min Scan# 101
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion: 88 Resp: 214958
Ion Ratio Lower Upper
88 100
58 91.6 73.3 109.9
43 33.9 27.1 40.7





#3

Pyridine

Concen: 40.746 ng

RT: 3.446 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 79 Resp: 54714

Ion Ratio Lower Upper

79 100

52 85.6 68.5 102.7

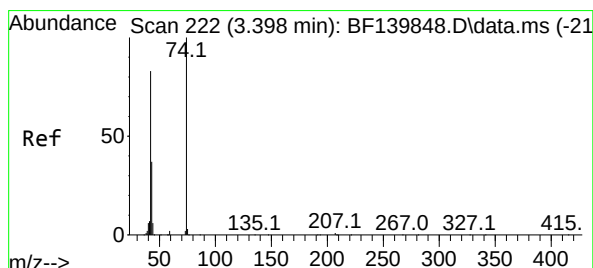
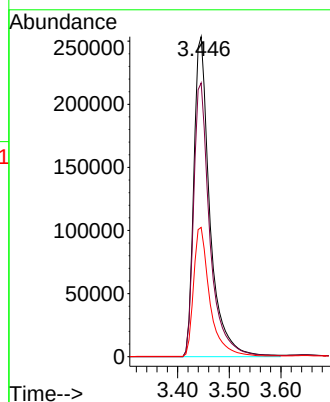
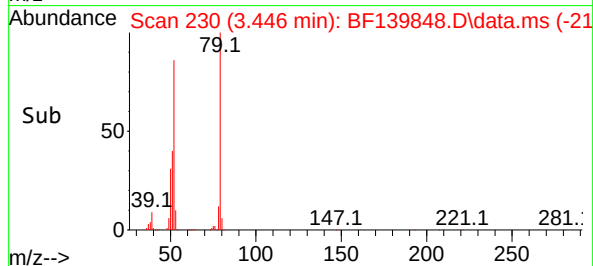
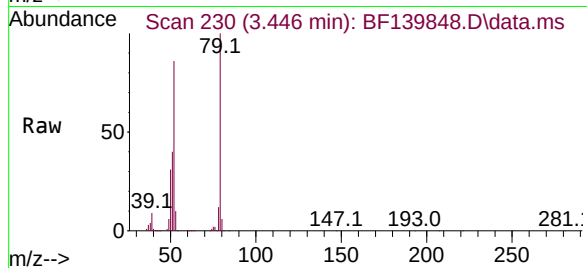
51 40.4 32.3 48.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#4

n-Nitrosodimethylamine

Concen: 40.631 ng

RT: 3.398 min Scan# 222

Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

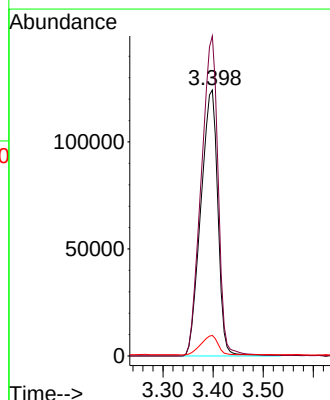
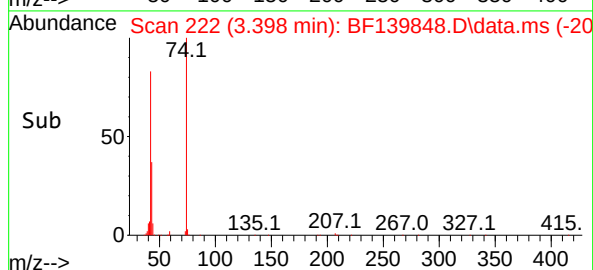
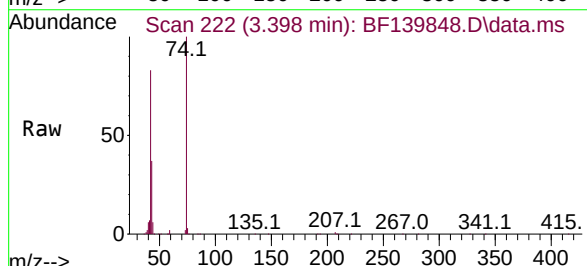
Tgt Ion: 42 Resp: 293138

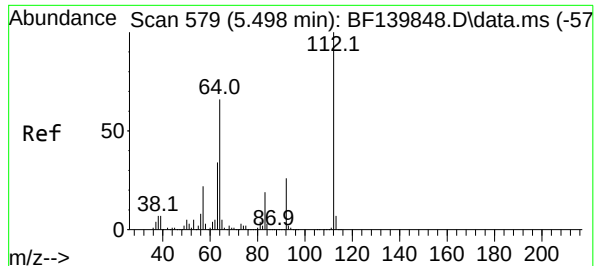
Ion Ratio Lower Upper

42 100

74 120.3 96.2 144.4

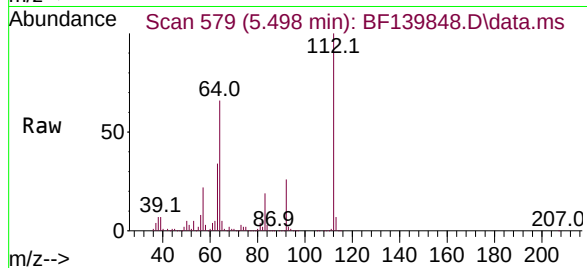
44 7.7 6.2 9.2





#5
2-Fluorophenol
Concen: 80.002 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

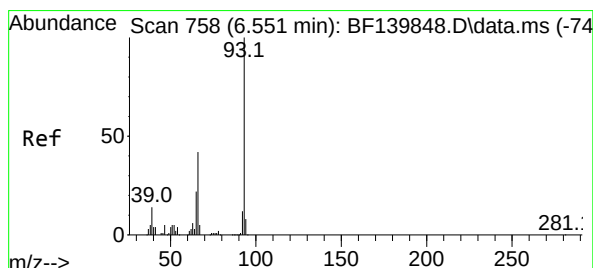
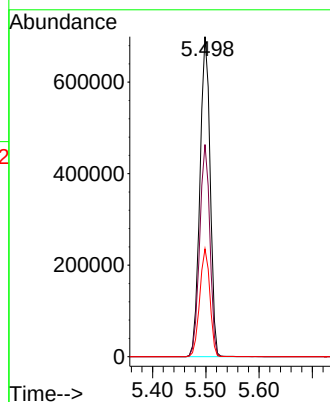
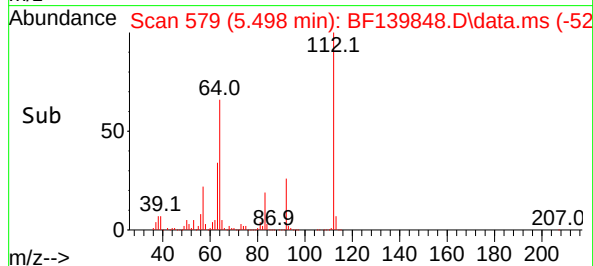
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion: 112 Resp: 929569
Ion Ratio Lower Upper
112 100
64 66.3 53.0 79.6
63 33.7 27.0 40.4

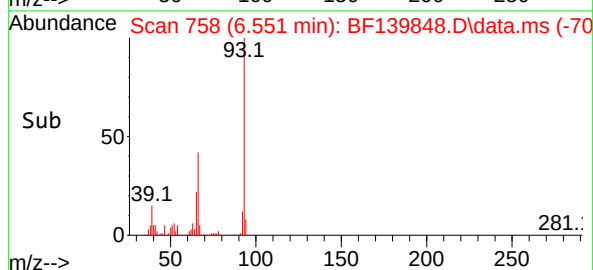
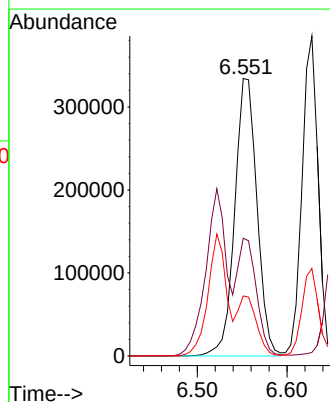
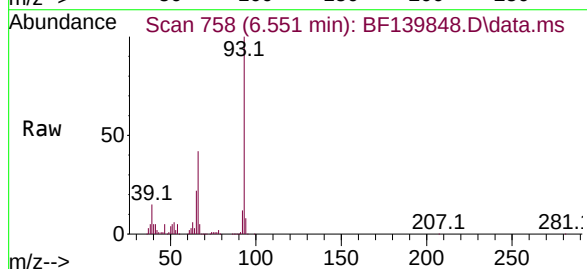
Manual Integrations
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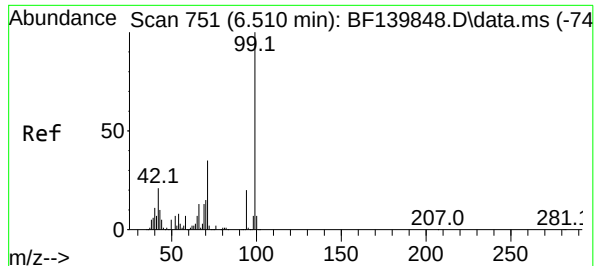
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#6
Aniline
Concen: 41.026 ng
RT: 6.551 min Scan# 758
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

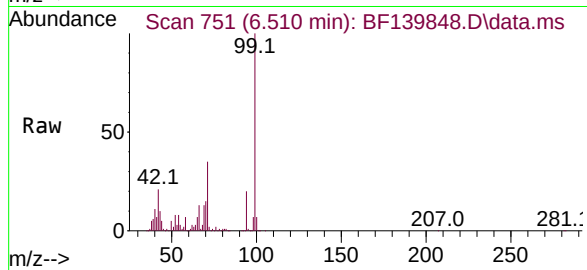
Tgt Ion: 93 Resp: 575402
Ion Ratio Lower Upper
93 100
66 42.5 34.0 51.0
65 21.7 17.4 26.0





#7
Phenol-d6
Concen: 79.607 ng
RT: 6.510 min Scan# 751
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

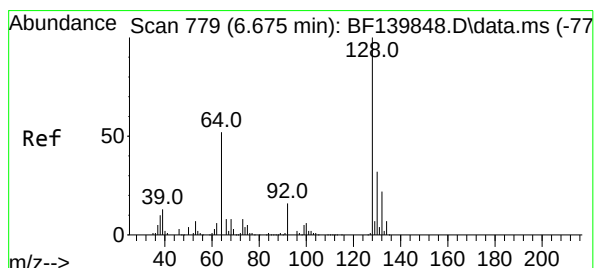
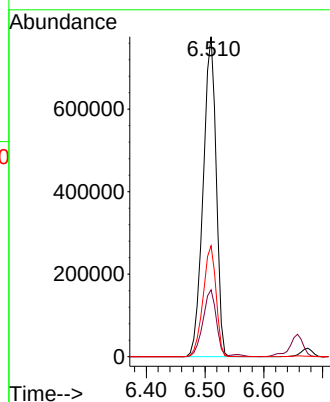
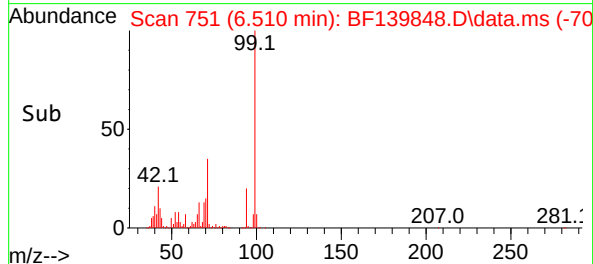
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion: 99 Resp: 1197998
Ion Ratio Lower Upper
99 100
42 20.9 16.7 25.1
71 34.6 27.7 41.5

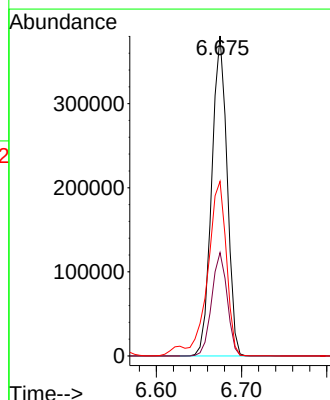
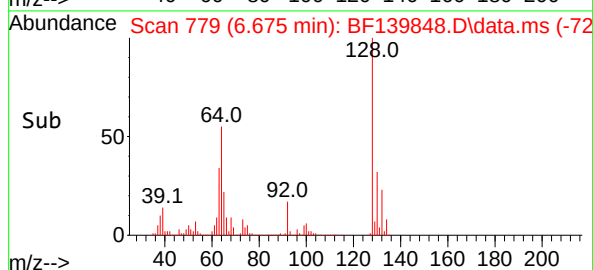
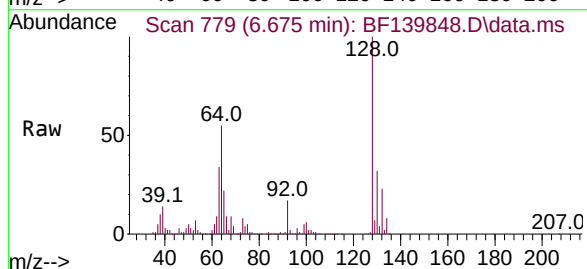
Manual Integrations
APPROVED

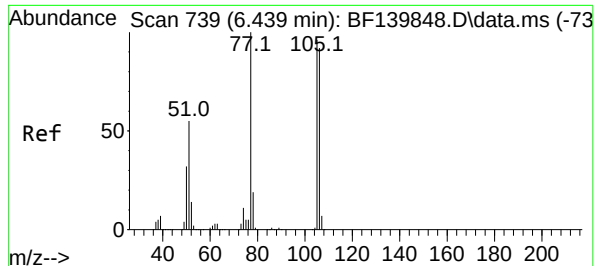
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#8
2-Chlorophenol
Concen: 40.124 ng
RT: 6.675 min Scan# 779
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:128 Resp: 476614
Ion Ratio Lower Upper
128 100
130 32.3 12.3 52.3
64 54.6 34.6 74.6





#9

Benzaldehyde

Concen: 40.393 ng

RT: 6.439 min Scan# 739

Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 77 Resp: 341958

Ion Ratio Lower Upper

77 100

105 95.5 75.5 115.5

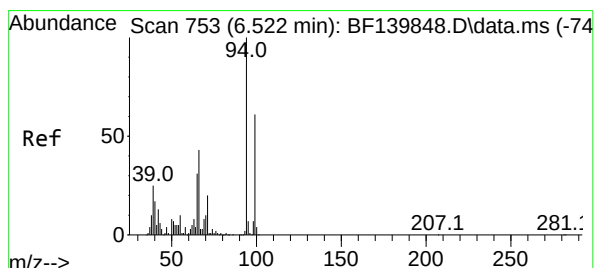
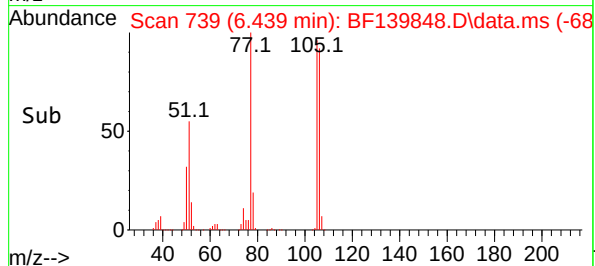
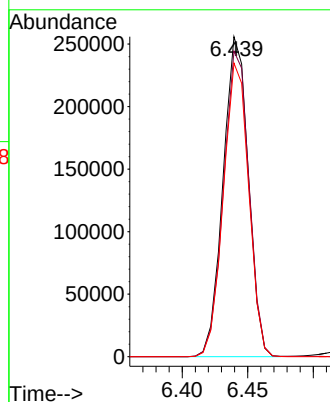
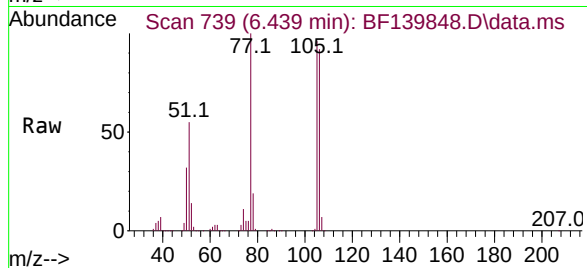
106 91.7 71.7 111.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#10

Phenol

Concen: 39.429 ng m

RT: 6.522 min Scan# 753

Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

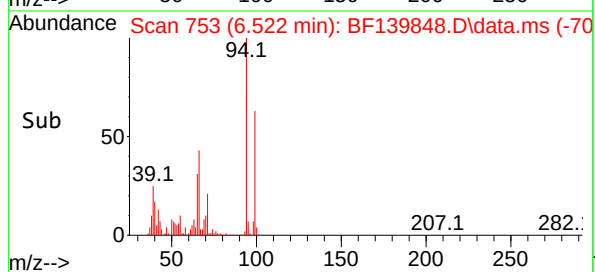
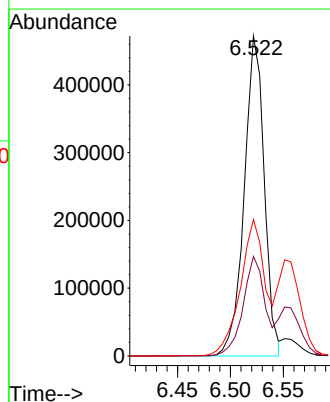
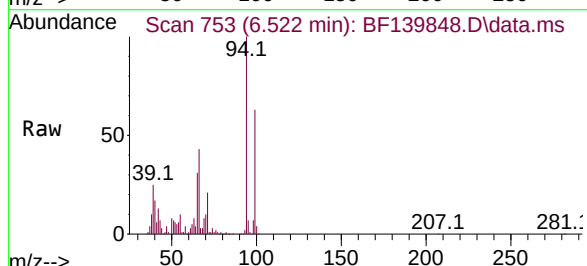
Tgt Ion: 94 Resp: 622748

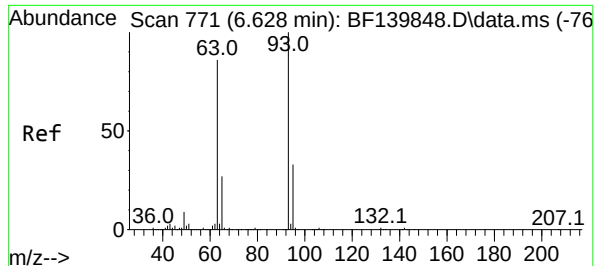
Ion Ratio Lower Upper

94 100

65 31.1 11.1 51.1

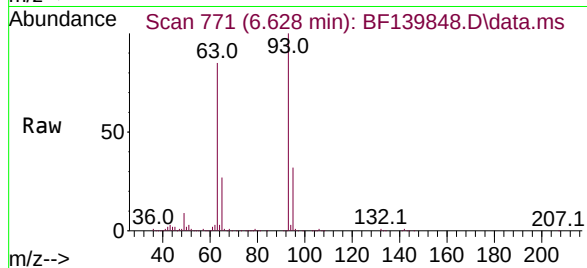
66 42.7 22.7 62.7





#11
bis(2-Chloroethyl)ether
Concen: 39.258 ng
RT: 6.628 min Scan# 771
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

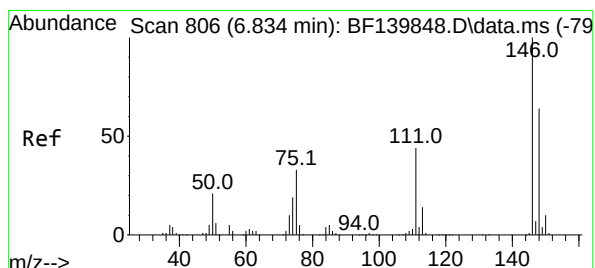
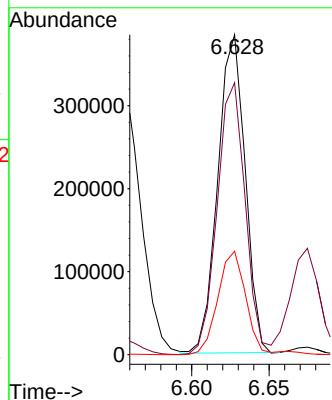
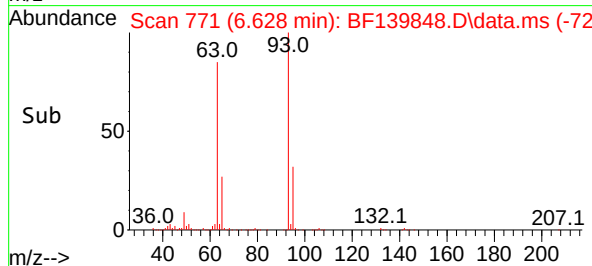
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion: 93 Resp: 47076
Ion Ratio Lower Upper
93 100
63 85.0 65.0 105.0
95 32.4 12.4 52.4

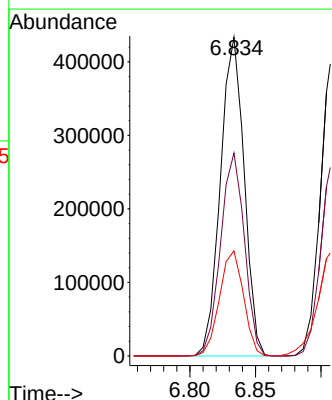
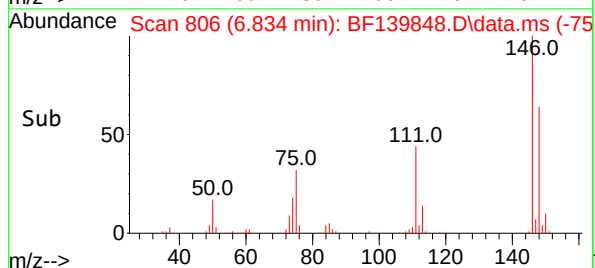
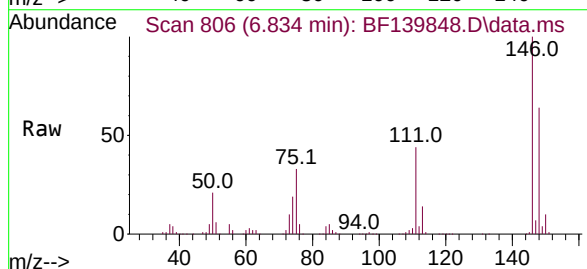
Manual Integrations
APPROVED

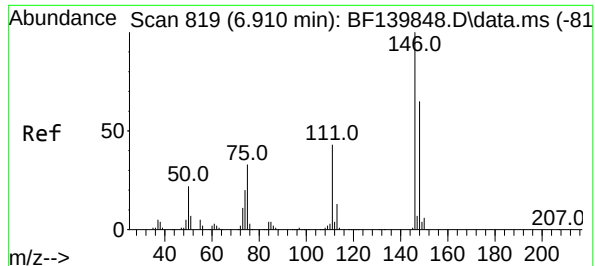
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#12
1,3-Dichlorobenzene
Concen: 39.988 ng
RT: 6.834 min Scan# 806
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:146 Resp: 545252
Ion Ratio Lower Upper
146 100
148 63.7 51.0 76.4
75 33.0 26.4 39.6





#13

1,4-Dichlorobenzene

Concen: 39.718 ng

RT: 6.910 min Scan# 819

Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:146 Resp: 541068

Ion Ratio Lower Upper

146 100

148 64.8 51.8 77.8

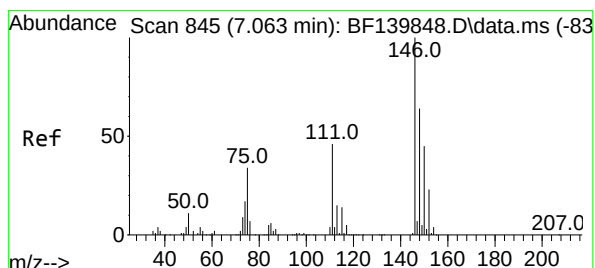
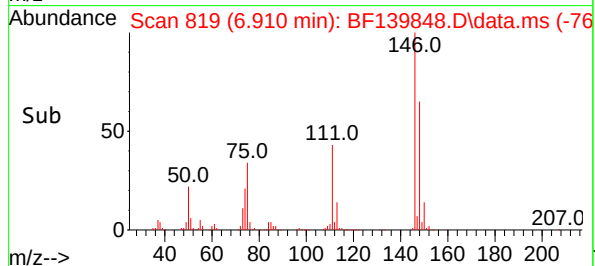
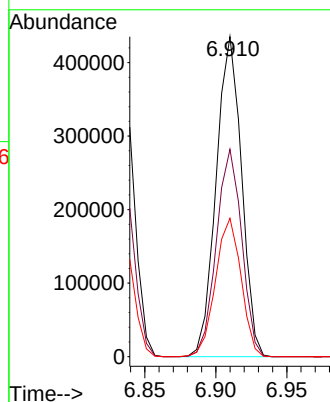
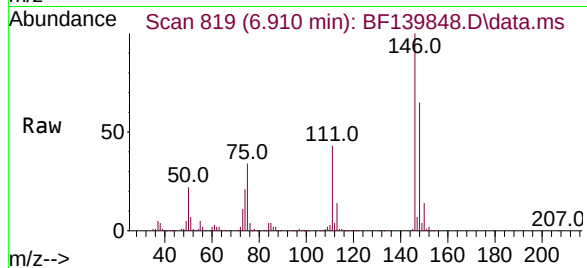
111 43.2 34.6 51.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#14

1,2-Dichlorobenzene

Concen: 39.473 ng

RT: 7.063 min Scan# 845

Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

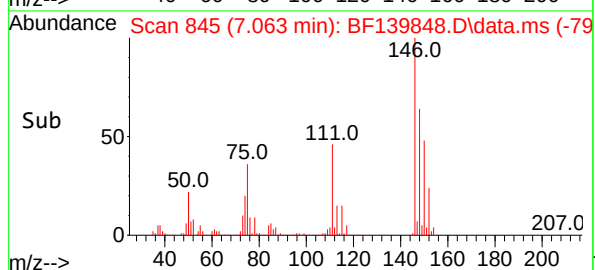
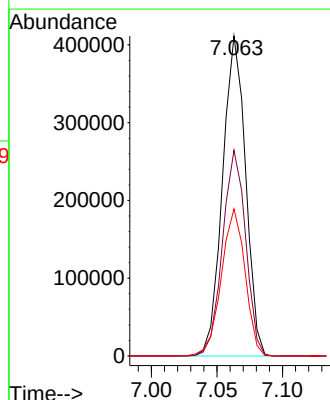
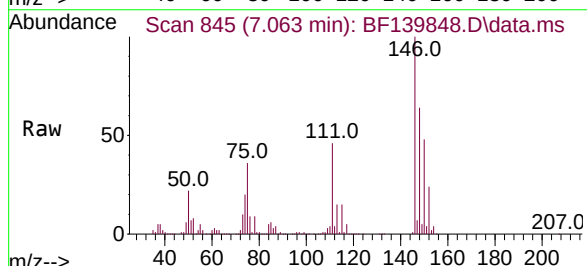
Tgt Ion:146 Resp: 501857

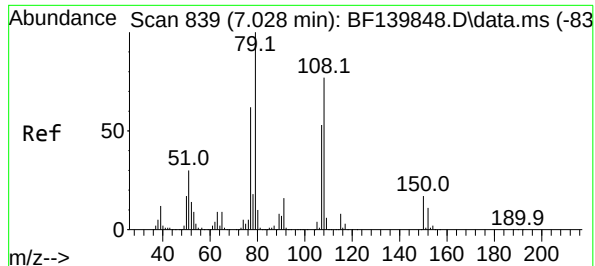
Ion Ratio Lower Upper

146 100

148 64.3 51.4 77.2

111 45.9 36.7 55.1





#15

Benzyl Alcohol

Concen: 39.991 ng

RT: 7.028 min Scan# 839

Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 79 Resp: 44146

Ion Ratio Lower Upper

79 100

108 76.7 61.4 92.0

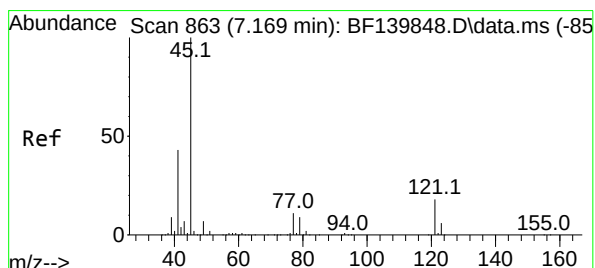
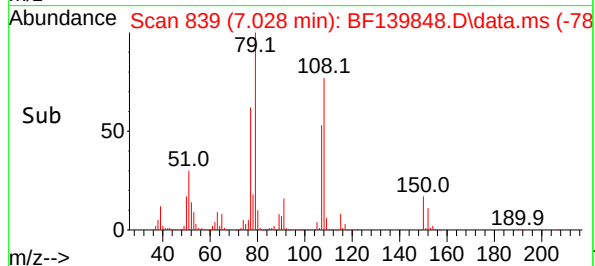
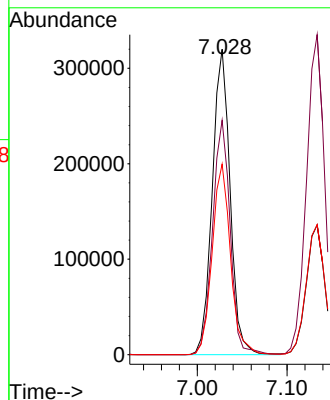
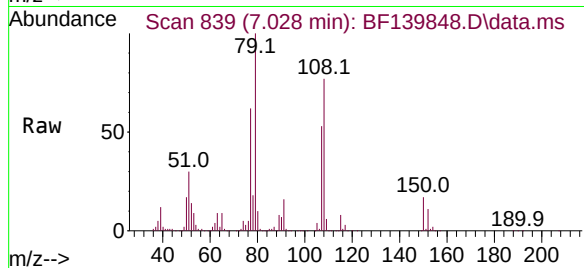
77 62.4 49.9 74.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#16

2,2'-oxybis(1-Chloropropane)

Concen: 40.113 ng

RT: 7.169 min Scan# 863

Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

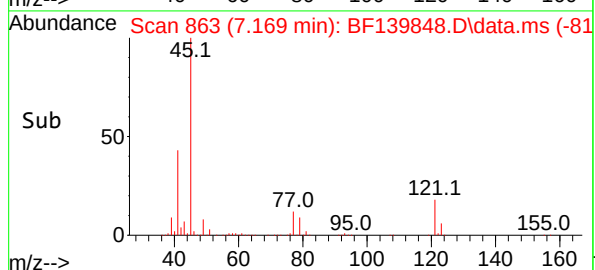
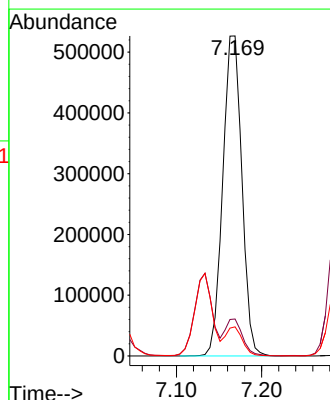
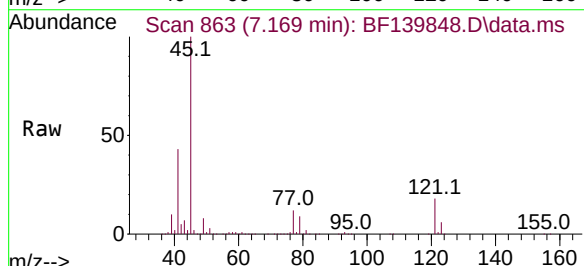
Tgt Ion: 45 Resp: 820216

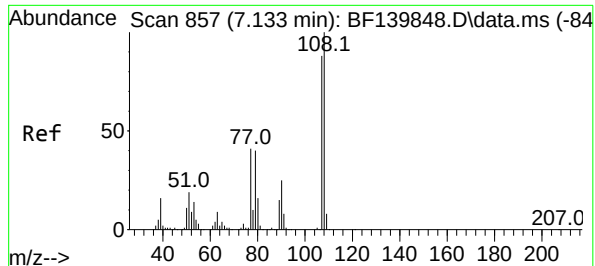
Ion Ratio Lower Upper

45 100

77 11.5 0.0 31.5

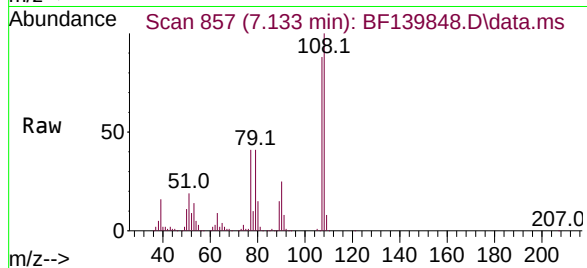
79 9.1 0.0 29.1





#17
2-Methylphenol
Concen: 39.996 ng
RT: 7.133 min Scan# 857
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

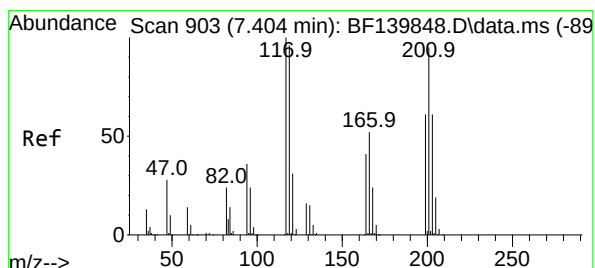
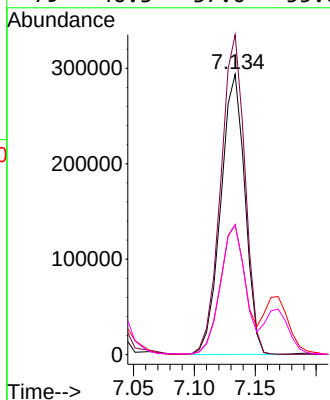
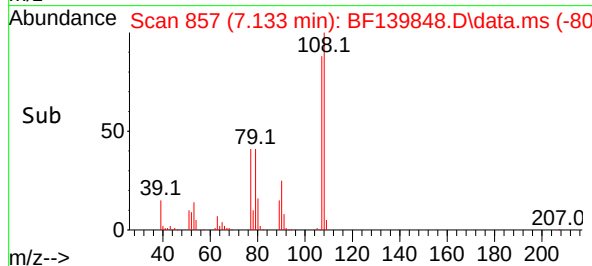
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:107 Resp: 405109
Ion Ratio Lower Upper
107 100
108 114.1 91.3 136.9
77 46.4 37.1 55.7
79 46.3 37.0 55.6

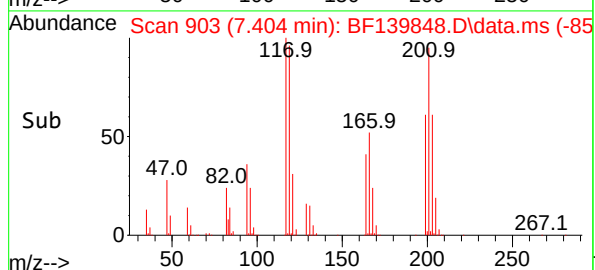
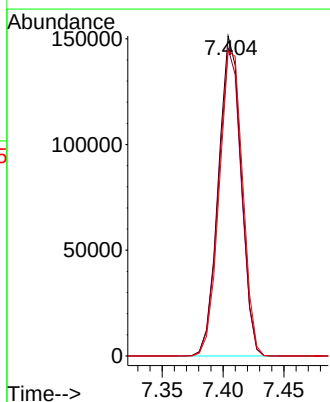
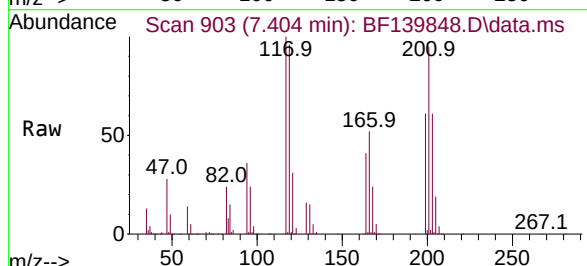
Manual Integrations
APPROVED

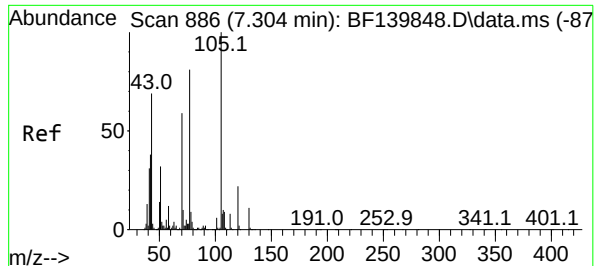
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#18
Hexachloroethane
Concen: 40.478 ng
RT: 7.404 min Scan# 903
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:117 Resp: 196637
Ion Ratio Lower Upper
117 100
119 96.2 77.0 115.4
201 95.3 76.2 114.4





#19

n-Nitroso-di-n-propylamine

Concen: 38.835 ng

RT: 7.304 min Scan# 886

Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 70 Resp: 354454

Ion Ratio Lower Upper

70 100

42 64.4 51.5 77.3

101 9.4 7.5 11.3

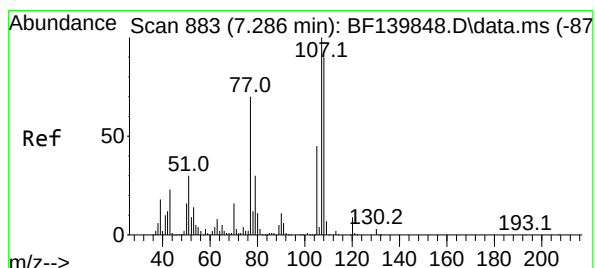
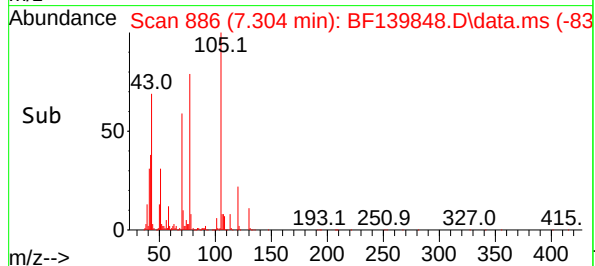
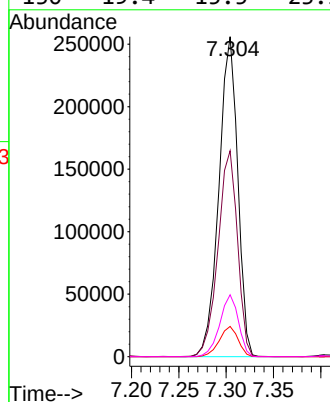
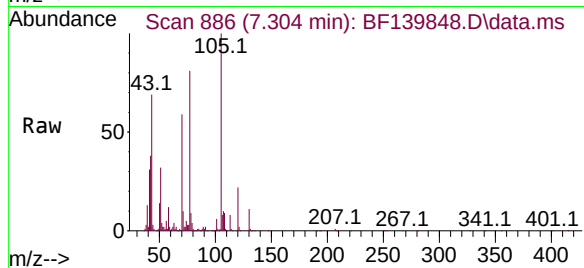
130 19.4 15.5 23.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#20

3+4-Methylphenols

Concen: 39.818 ng

RT: 7.286 min Scan# 883

Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

Tgt Ion:107 Resp: 515857

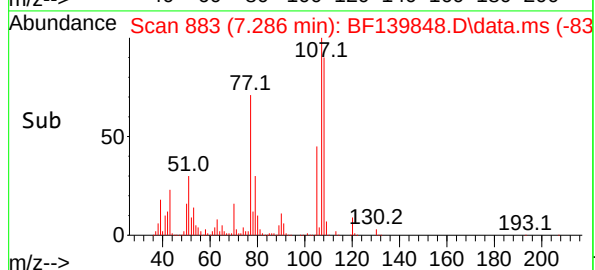
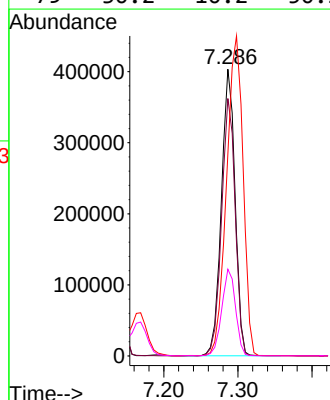
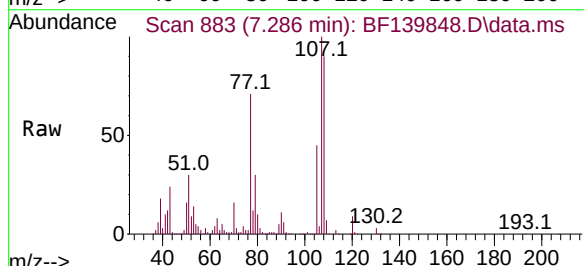
Ion Ratio Lower Upper

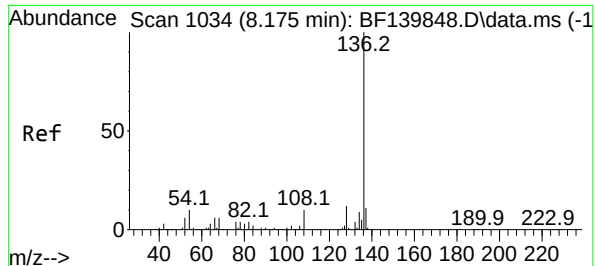
107 100

108 89.8 69.8 109.8

77 70.5 50.5 90.5

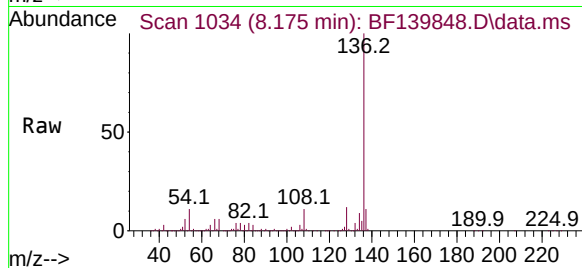
79 30.2 10.2 50.2





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1034
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

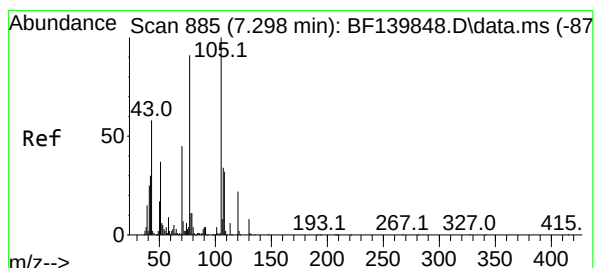
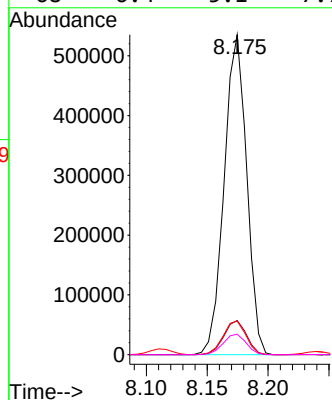
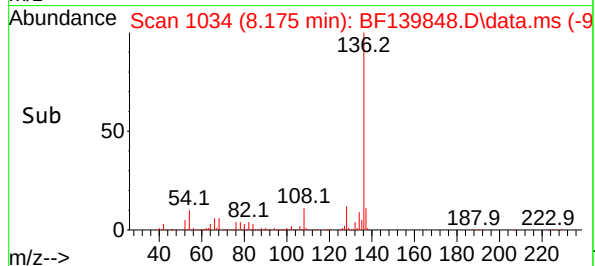
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:136 Resp: 688880
Ion Ratio Lower Upper
136 100
137 10.7 8.6 12.8
54 10.5 8.4 12.6
68 6.4 5.1 7.7

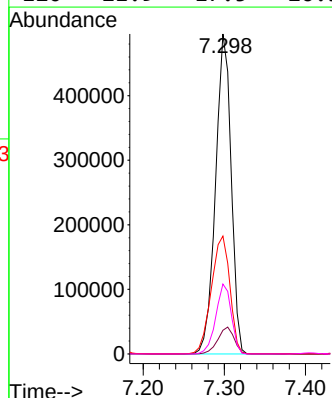
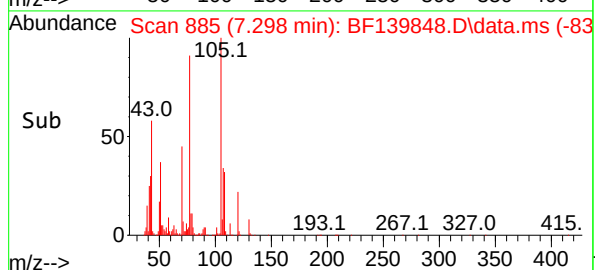
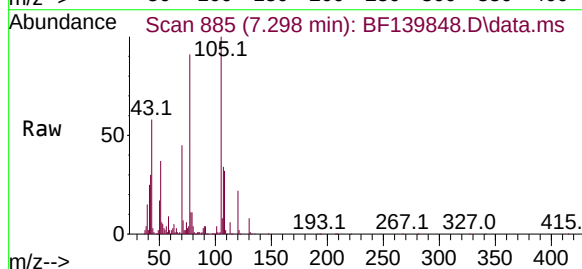
Manual Integrations
APPROVED

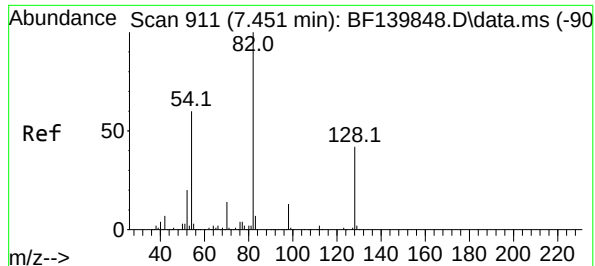
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#22
Acetophenone
Concen: 39.312 ng
RT: 7.298 min Scan# 885
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:105 Resp: 663304
Ion Ratio Lower Upper
105 100
71 7.4 5.9 8.9
51 36.8 29.4 44.2
120 21.9 17.5 26.3





#23

Nitrobenzene-d5

Concen: 82.209 ng

RT: 7.451 min Scan# 911

Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 82 Resp: 1021808

Ion Ratio Lower Upper

82 100

128 41.7 33.4 50.0

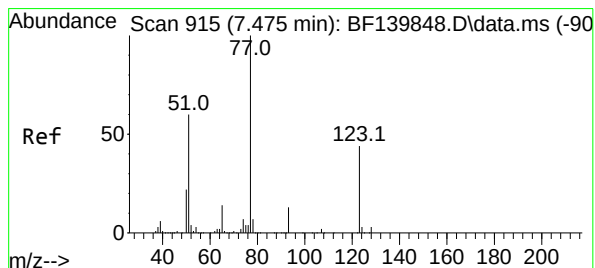
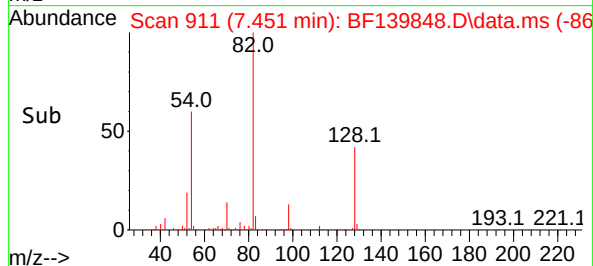
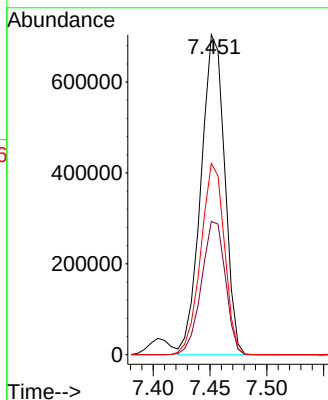
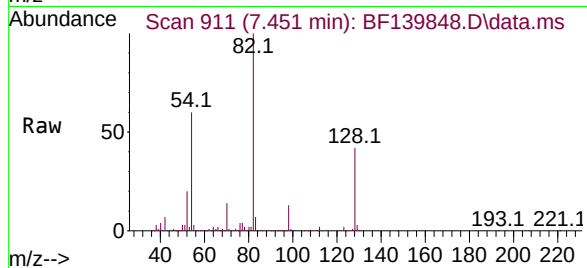
54 59.8 47.8 71.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#24

Nitrobenzene

Concen: 40.735 ng

RT: 7.475 min Scan# 915

Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

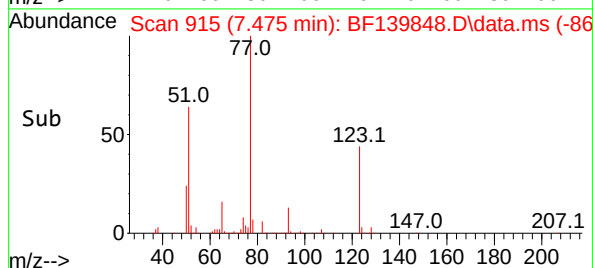
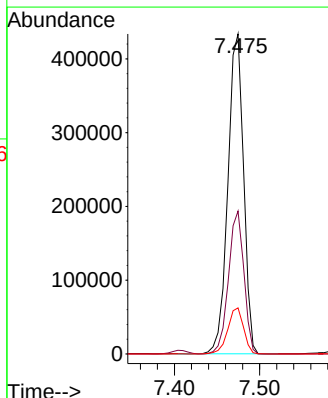
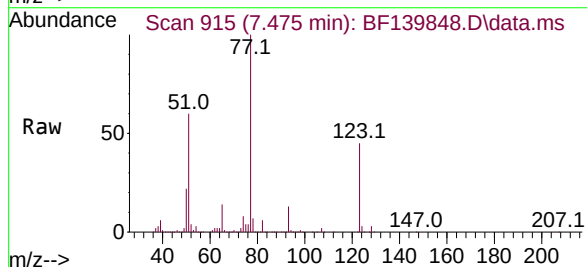
Tgt Ion: 77 Resp: 555115

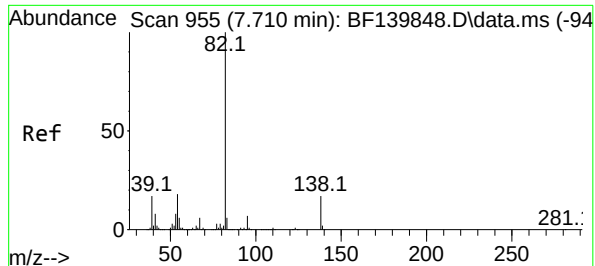
Ion Ratio Lower Upper

77 100

123 44.6 35.7 53.5

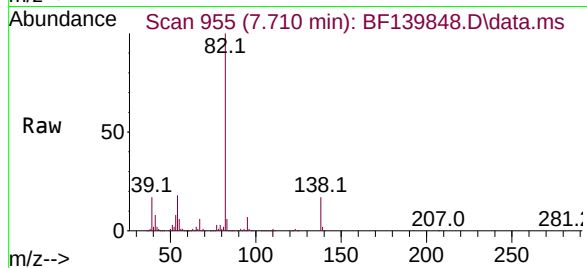
65 14.4 11.5 17.3





#25
Isophorone
Concen: 39.651 ng
RT: 7.710 min Scan# 955
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

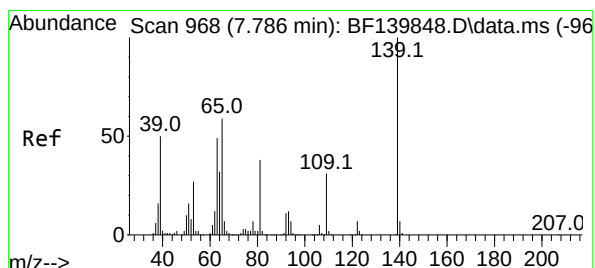
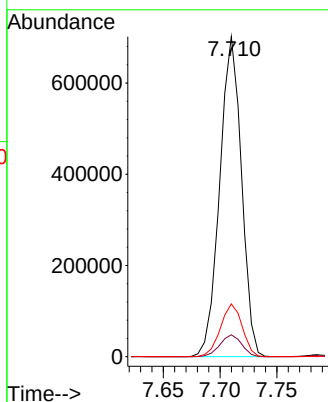
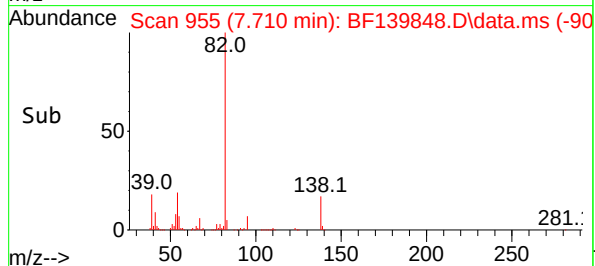
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



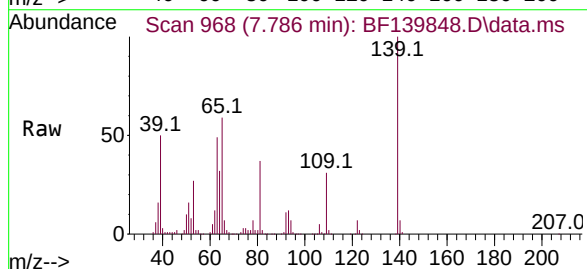
Tgt Ion: 82 Resp: 935400
Ion Ratio Lower Upper
82 100
95 6.9 5.5 8.3
138 16.5 13.2 19.8

Manual Integrations
APPROVED

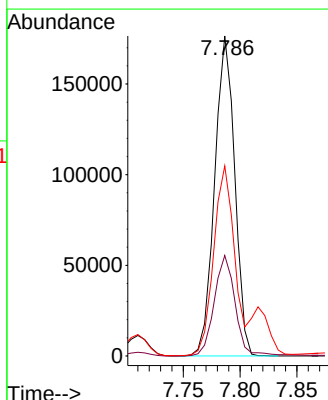
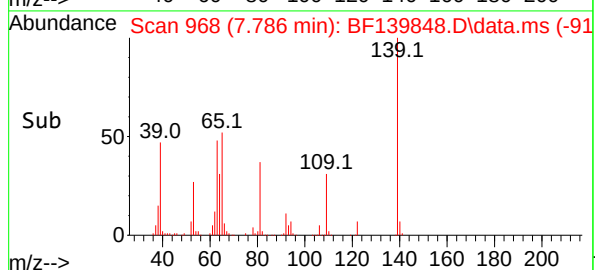
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

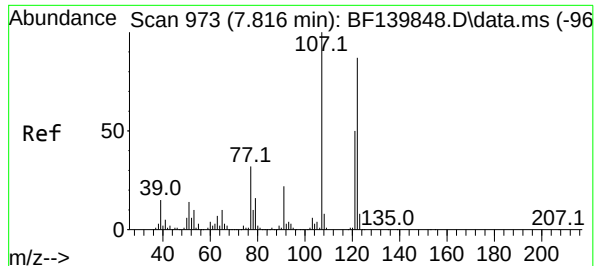


#26
2-Nitrophenol
Concen: 42.193 ng
RT: 7.786 min Scan# 968
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20



Tgt Ion:139 Resp: 216916
Ion Ratio Lower Upper
139 100
109 31.4 25.1 37.7
65 59.4 47.5 71.3





#27

2,4-Dimethylphenol

Concen: 39.894 ng

RT: 7.816 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF139848.D

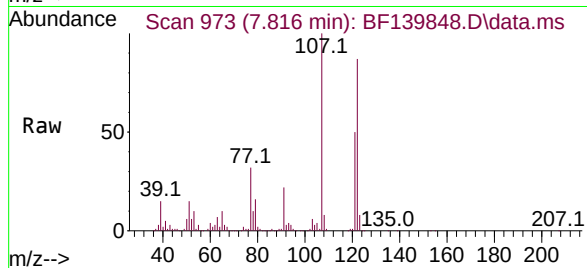
Acq: 18 Oct 2024 12:20

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040



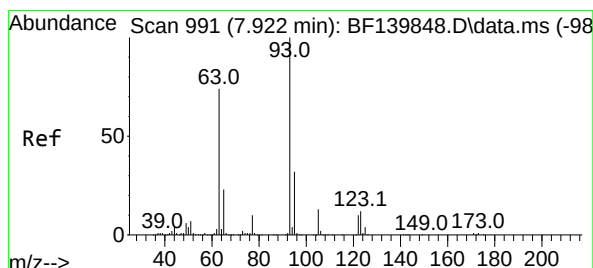
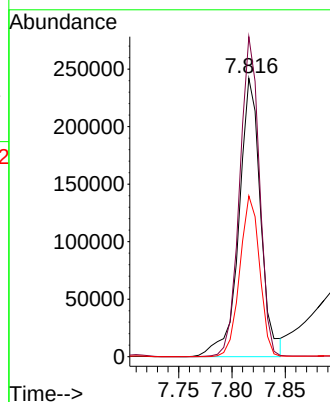
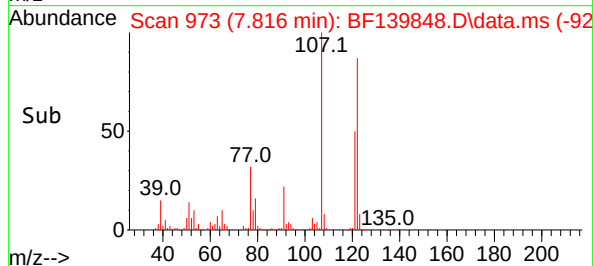
Tgt Ion	Ratio	Lower	Upper
122	100		
107	114.9	91.9	137.9
121	57.8	46.2	69.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#28

bis(2-Chloroethoxy)methane

Concen: 39.683 ng

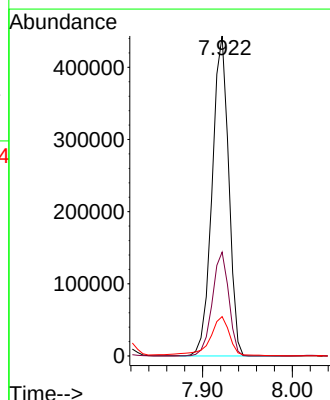
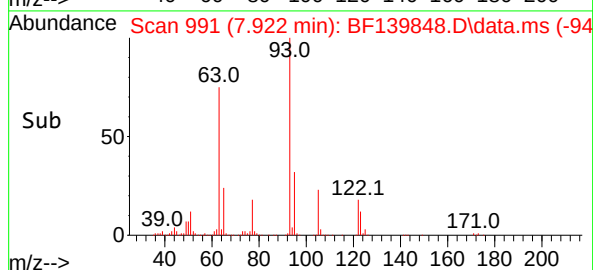
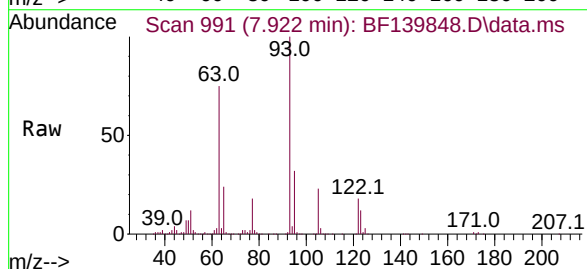
RT: 7.922 min Scan# 991

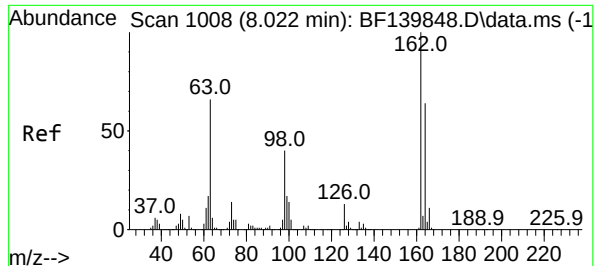
Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.5	26.0	39.0
123	12.3	9.8	14.8





#29

2,4-Dichlorophenol

Concen: 39.976 ng

RT: 8.022 min Scan# 1008

Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

Instrument :

BNA_F

ClientSampleId :

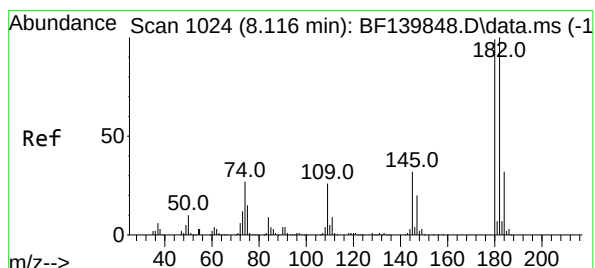
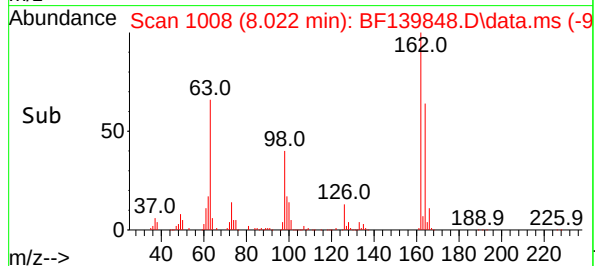
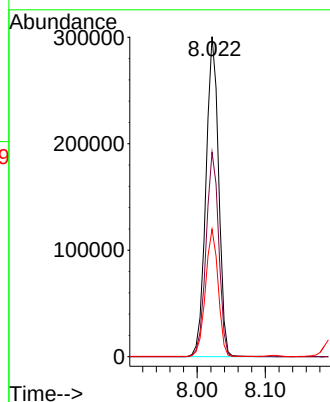
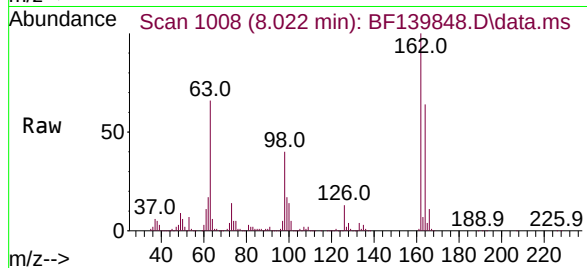
SSTDICCC040

Tgt Ion:162 Resp: 390330
Ion Ratio Lower Upper
162 100
164 63.9 43.9 83.9
98 39.9 19.9 59.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#30

1,2,4-Trichlorobenzene

Concen: 40.195 ng

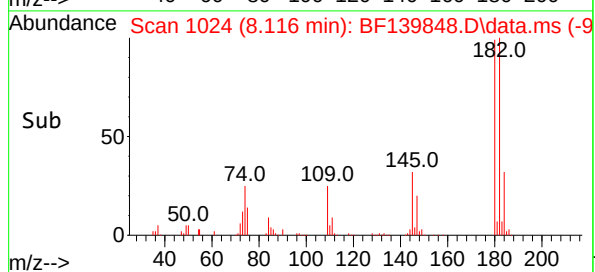
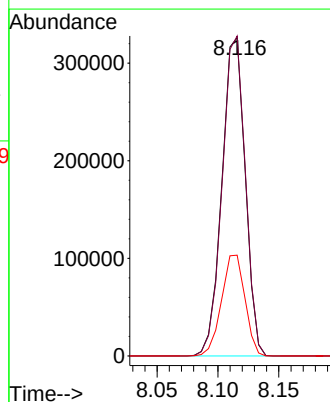
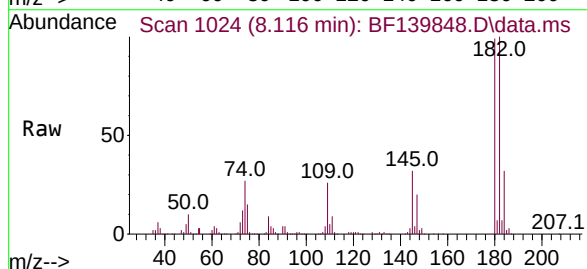
RT: 8.116 min Scan# 1024

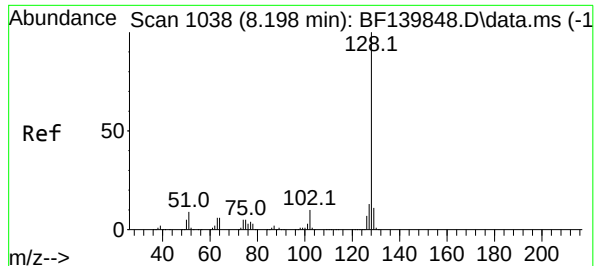
Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

Tgt Ion:180 Resp: 434274
Ion Ratio Lower Upper
180 100
182 100.6 80.5 120.7
145 31.7 25.4 38.0





#31

Naphthalene

Concen: 39.681 ng

RT: 8.198 min Scan# 1038

Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:128 Resp: 1409790

Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

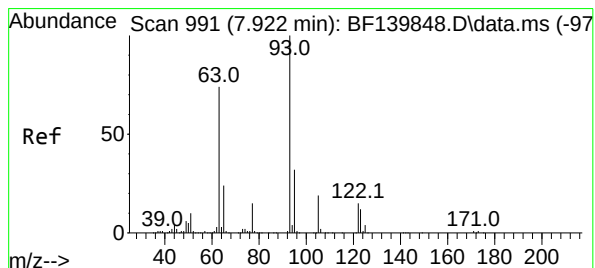
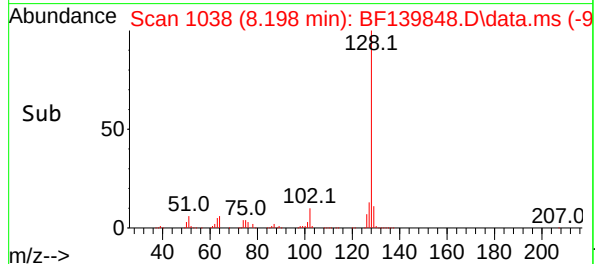
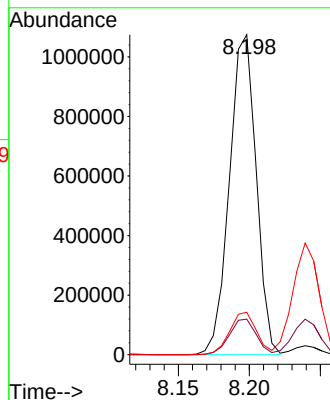
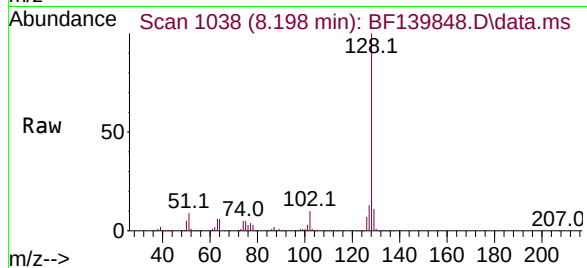
127 13.3 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#32

Benzoic acid

Concen: 40.451 ng

RT: 7.922 min Scan# 991

Delta R.T. -0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

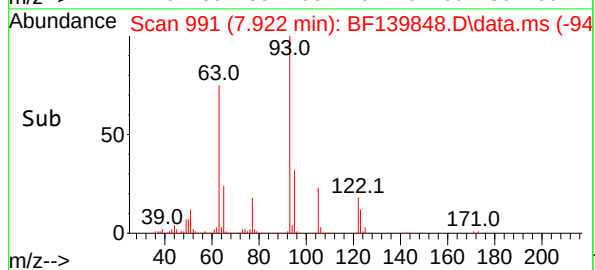
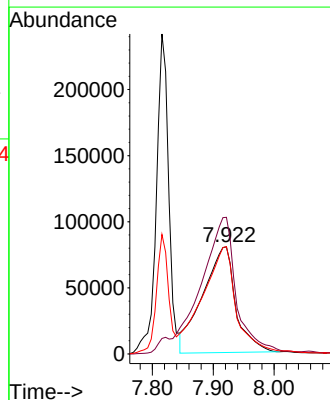
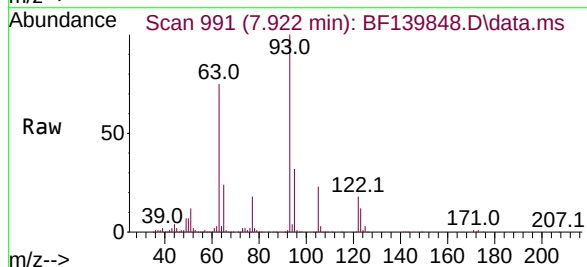
Tgt Ion:122 Resp: 302443

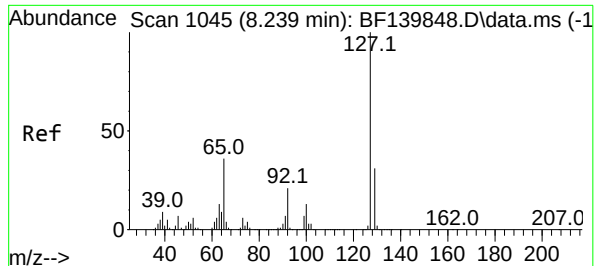
Ion Ratio Lower Upper

122 100

105 127.6 107.6 147.6

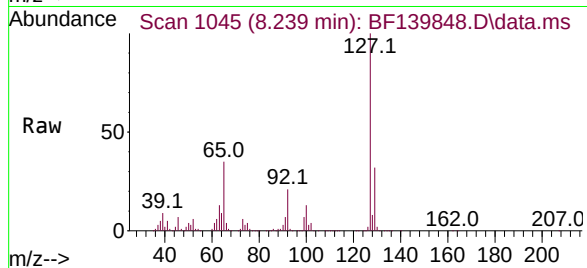
77 100.2 80.2 120.2





#33
4-Chloroaniline
Concen: 39.950 ng
RT: 8.239 min Scan# 1045
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

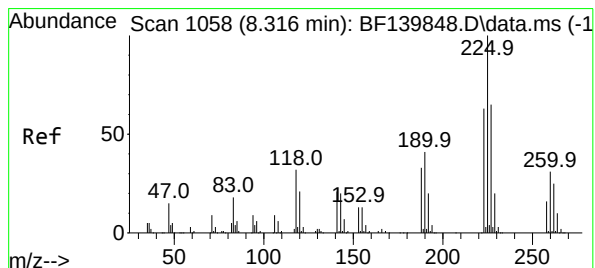
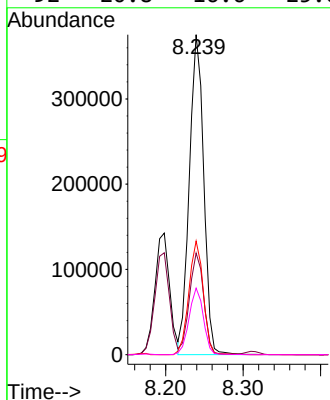
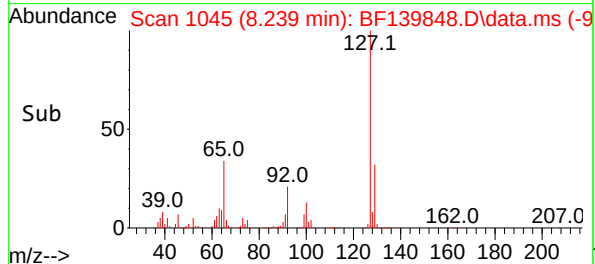
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:127 Resp: 483982
Ion Ratio Lower Upper
127 100
129 31.8 25.4 38.2
65 35.5 28.4 42.6
92 20.8 16.6 25.0

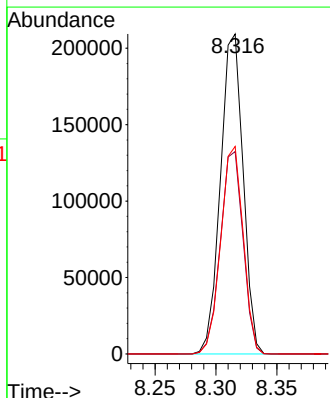
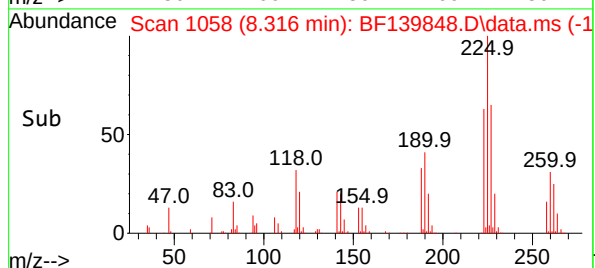
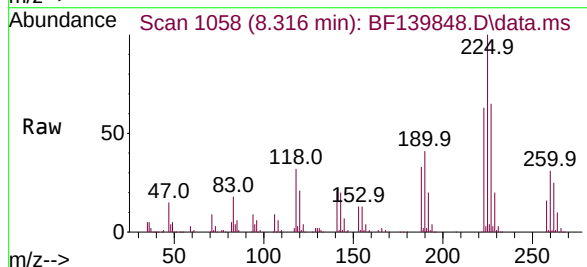
Manual Integrations
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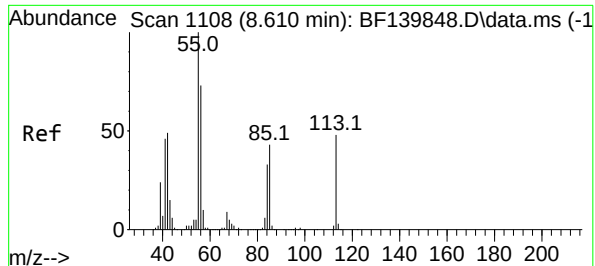
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#34
Hexachlorobutadiene
Concen: 39.967 ng
RT: 8.316 min Scan# 1058
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

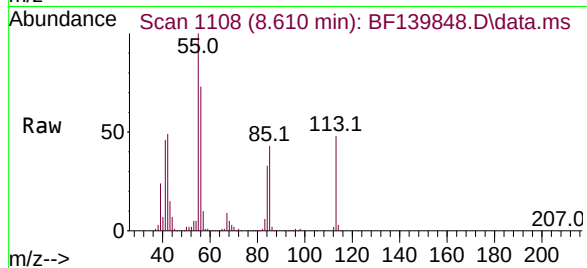
Tgt Ion:225 Resp: 271315
Ion Ratio Lower Upper
225 100
223 63.3 50.6 76.0
227 64.8 51.8 77.8





#35
Caprolactam
Concen: 40.772 ng
RT: 8.610 min Scan# 1108
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

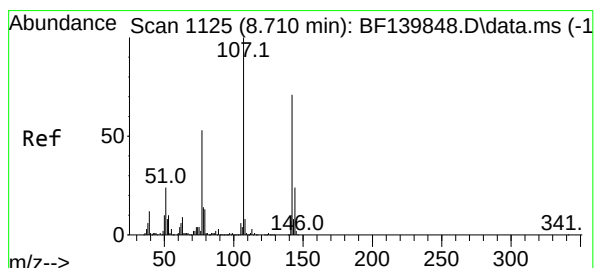
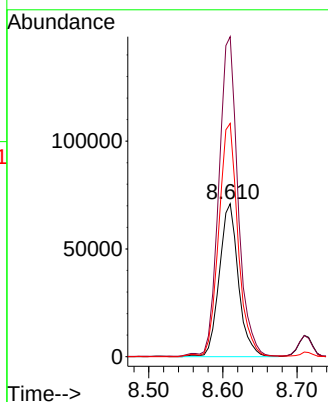
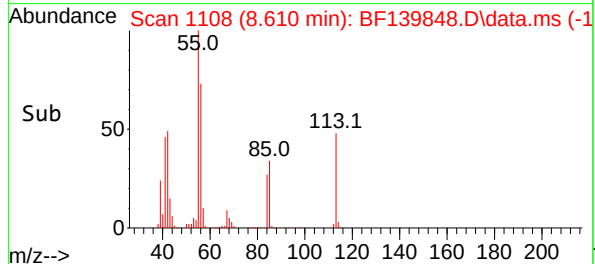
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:113 Resp: 126589
Ion Ratio Lower Upper
113 100
55 209.2 189.2 229.2
56 152.5 132.5 172.5

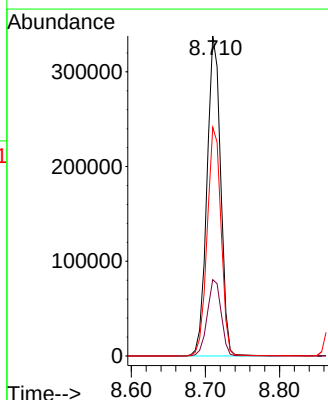
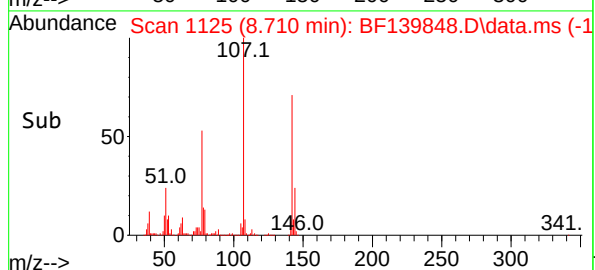
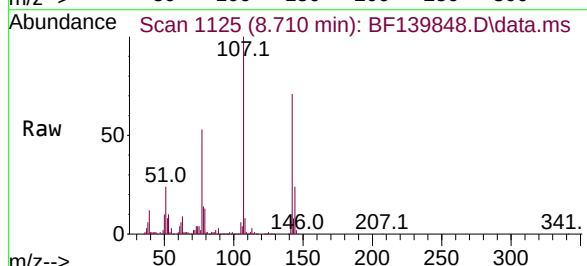
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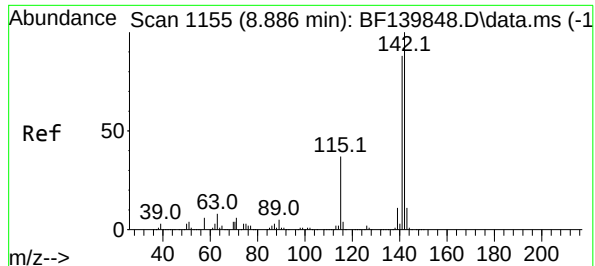
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#36
4-Chloro-3-methylphenol
Concen: 40.116 ng
RT: 8.710 min Scan# 1125
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:107 Resp: 433727
Ion Ratio Lower Upper
107 100
144 23.9 19.1 28.7
142 71.5 57.2 85.8





#37

2-Methylnaphthalene

Concen: 39.345 ng

RT: 8.886 min Scan# 1155

Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:142 Resp: 85611

Ion Ratio Lower Upper

142 100

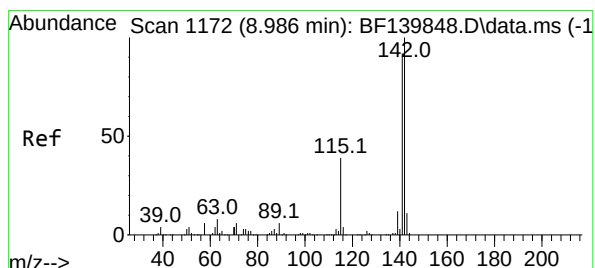
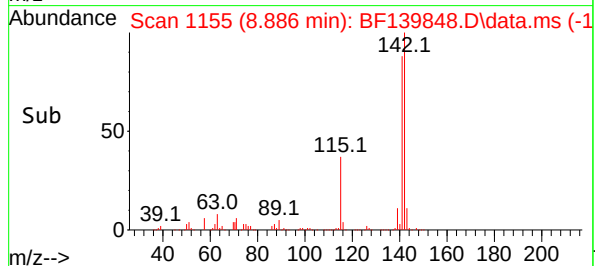
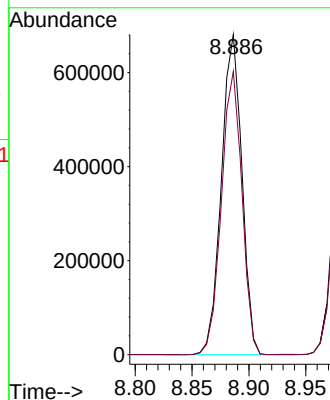
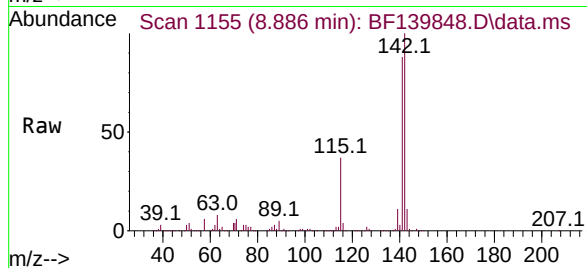
141 88.5 70.8 106.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#38

1-Methylnaphthalene

Concen: 39.471 ng

RT: 8.986 min Scan# 1172

Delta R.T. 0.000 min

Lab File: BF139848.D

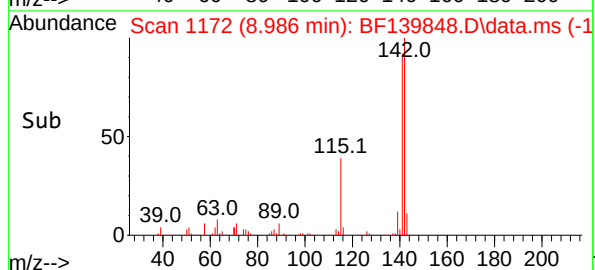
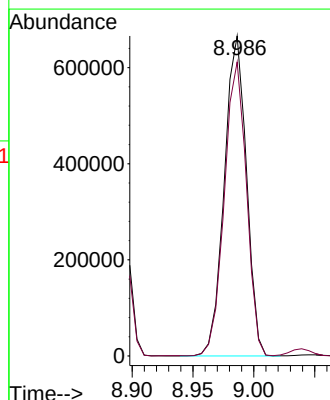
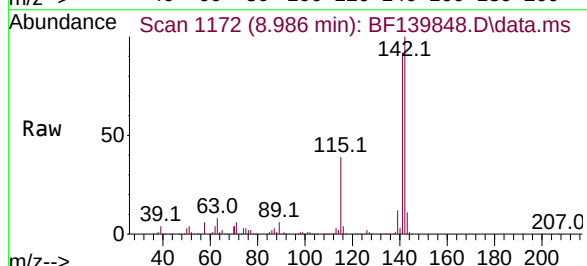
Acq: 18 Oct 2024 12:20

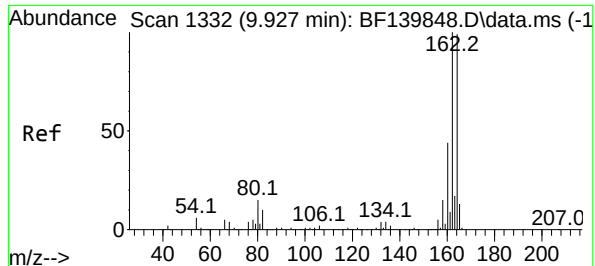
Tgt Ion:142 Resp: 842638

Ion Ratio Lower Upper

142 100

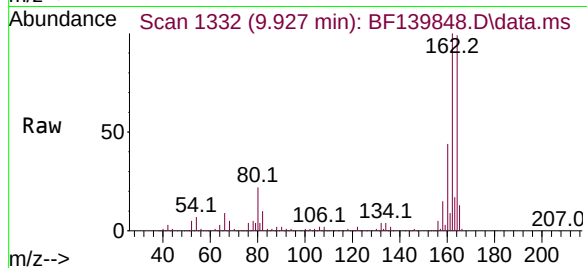
141 91.9 73.5 110.3





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.927 min Scan# 1132
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

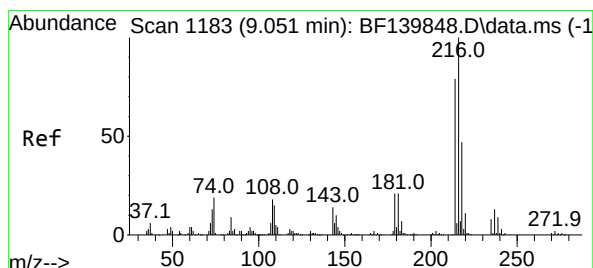
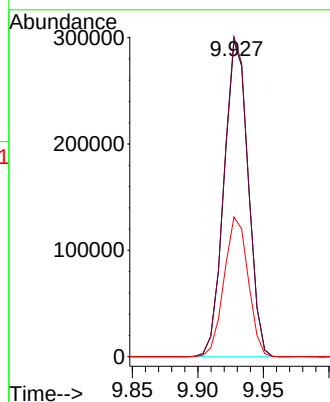
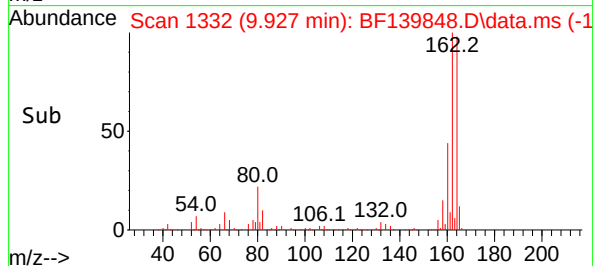
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:164 Resp: 37975
Ion Ratio Lower Upper
164 100
162 101.2 81.0 121.4
160 44.2 35.4 53.0

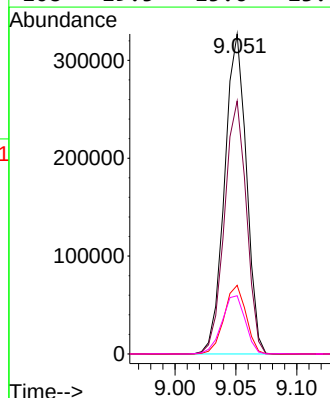
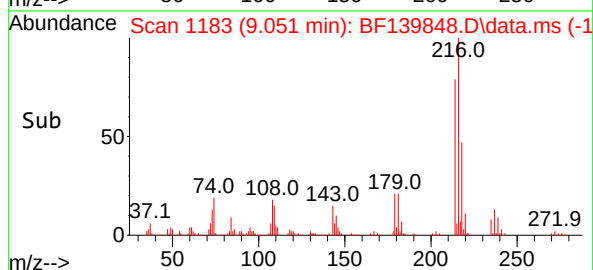
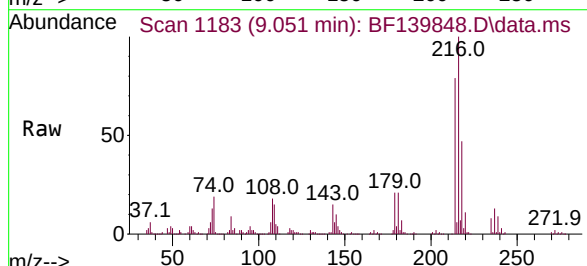
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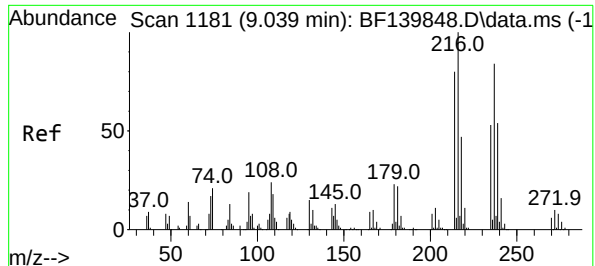
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.776 ng
RT: 9.051 min Scan# 1183
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

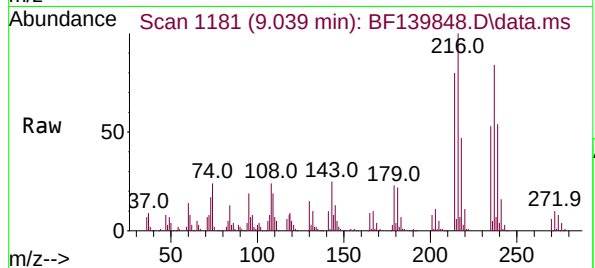
Tgt Ion:216 Resp: 407511
Ion Ratio Lower Upper
216 100
214 79.2 63.4 95.0
179 21.5 17.2 25.8
108 19.5 15.6 23.4





#41
Hexachlorocyclopentadiene
Concen: 42.229 ng
RT: 9.039 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

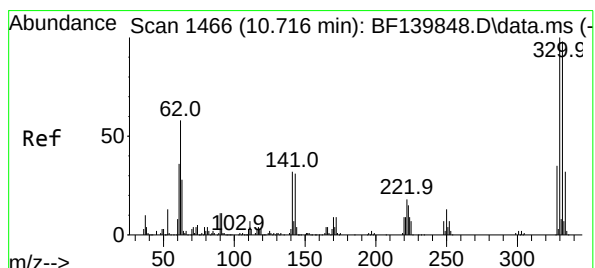
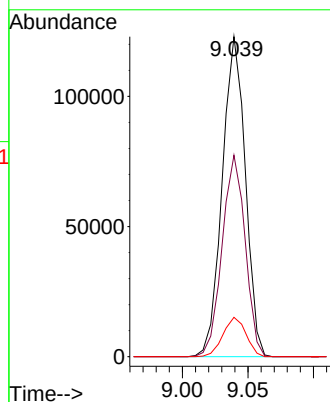
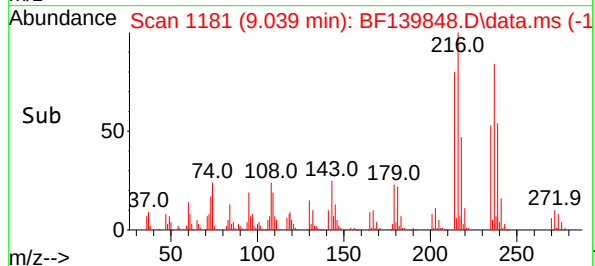
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion: 237 Resp: 150540
Ion Ratio Lower Upper
237 100
235 62.9 42.9 82.9
272 12.3 0.0 32.3

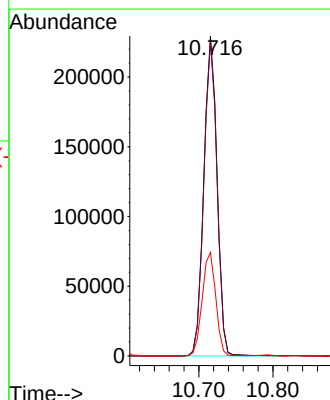
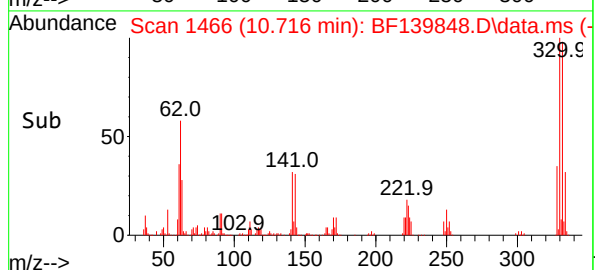
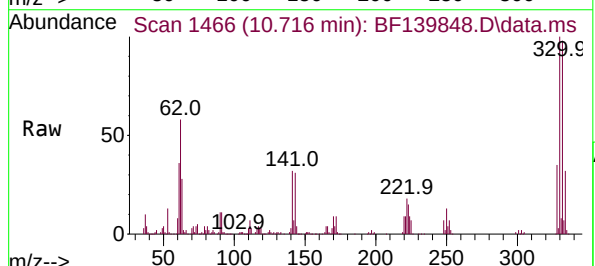
Manual Integrations
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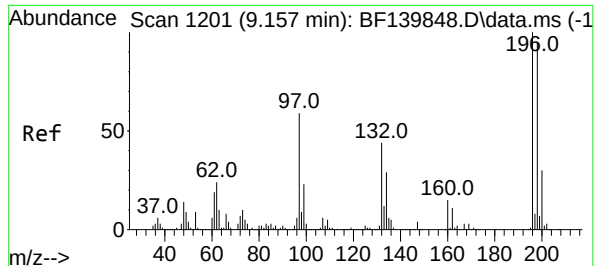
Reviewed By : Yogesh Patel 10/21/2024
Supervised By : mohammad ahmed 10/21/2024



#42
2,4,6-Tribromophenol
Concen: 80.292 ng
RT: 10.716 min Scan# 1466
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion: 330 Resp: 285205
Ion Ratio Lower Upper
330 100
332 97.6 78.1 117.1
141 33.2 26.6 39.8





#43

2,4,6-Trichlorophenol

Concen: 40.474 ng

RT: 9.157 min Scan# 1201

Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

Instrument :

BNA_F

ClientSampleId :

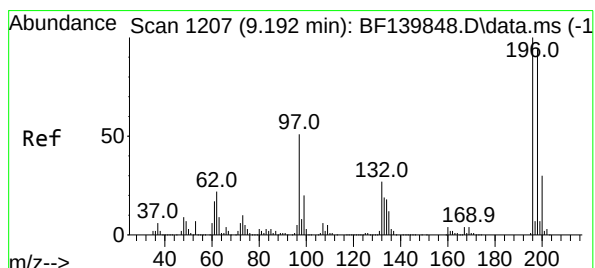
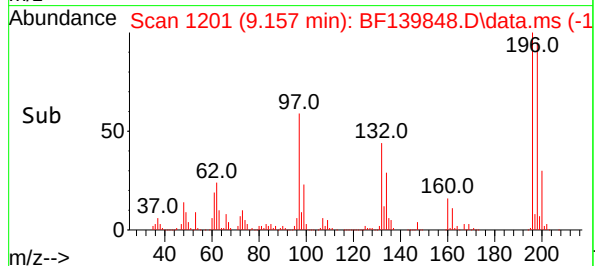
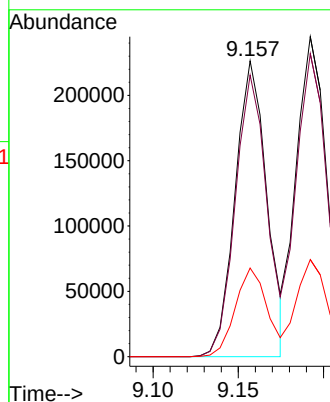
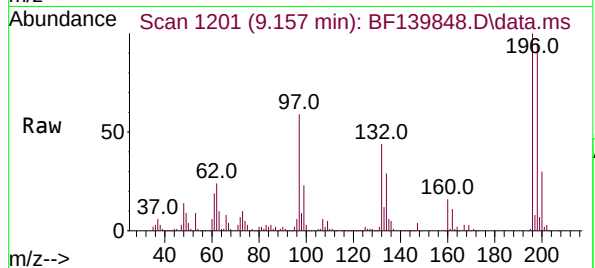
SSTDICCC040

Tgt Ion:196 Resp: 293572
Ion Ratio Lower Upper
196 100
198 95.2 76.2 114.2
200 30.0 24.0 36.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#44

2,4,5-Trichlorophenol

Concen: 40.651 ng

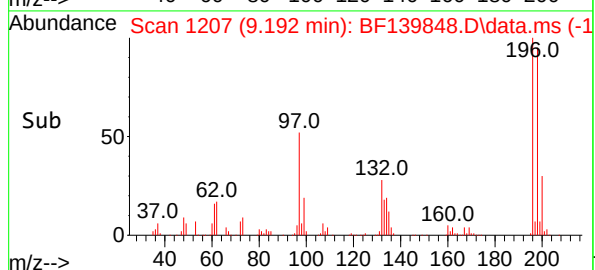
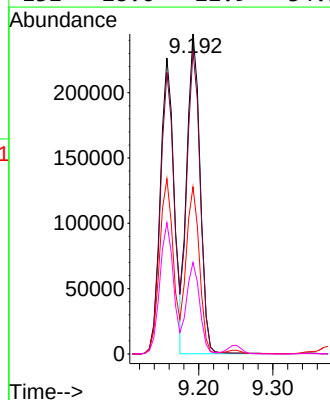
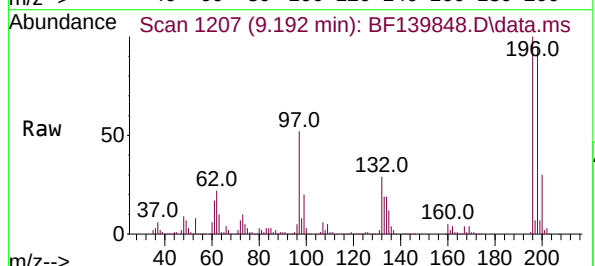
RT: 9.192 min Scan# 1207

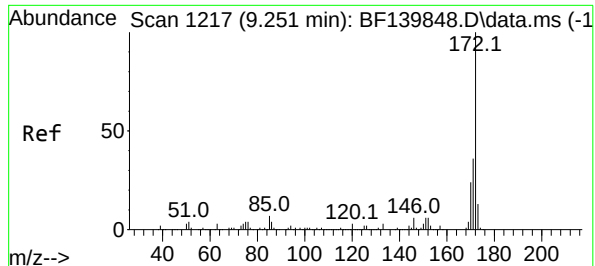
Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

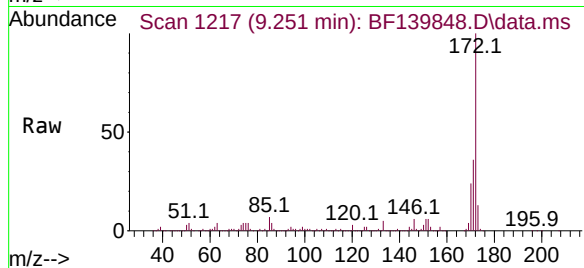
Tgt Ion:196 Resp: 304213
Ion Ratio Lower Upper
196 100
198 94.7 75.8 113.6
97 52.2 41.8 62.6
132 28.6 22.9 34.3





#45
2-Fluorobiphenyl
Concen: 76.791 ng
RT: 9.251 min Scan# 1217
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

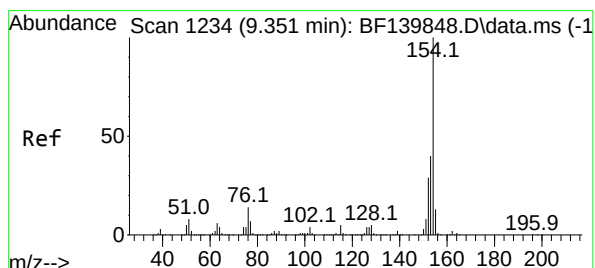
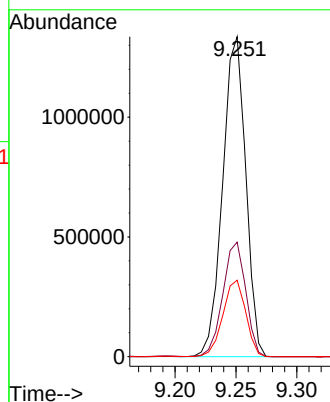
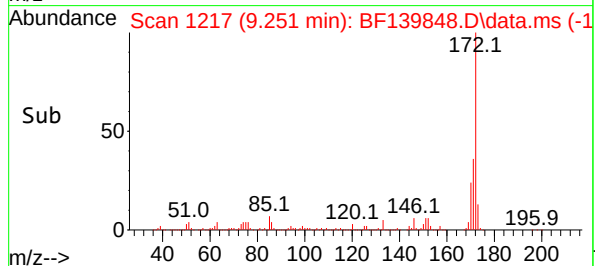
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:172 Resp: 176449
Ion Ratio Lower Upper
172 100
171 35.8 28.6 43.0
170 23.9 19.1 28.7

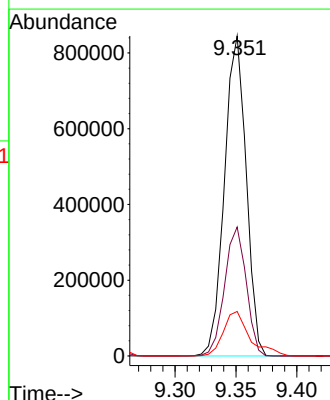
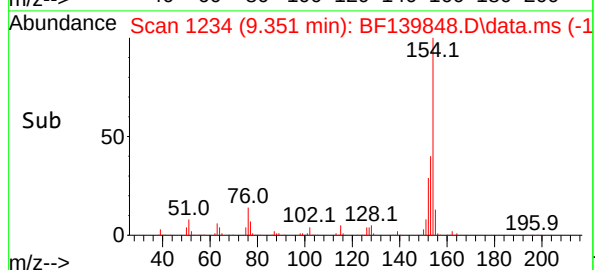
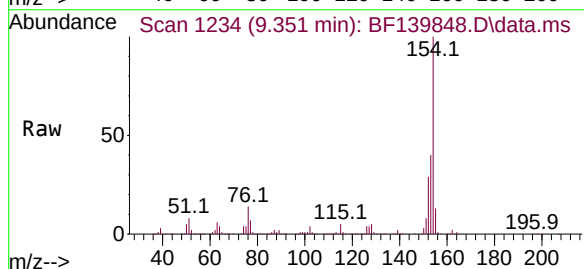
Manual Integrations
APPROVED

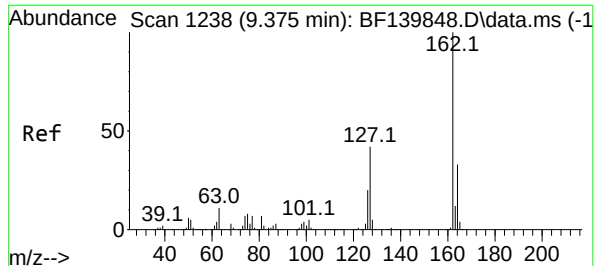
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#46
1,1'-Biphenyl
Concen: 39.608 ng
RT: 9.351 min Scan# 1234
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

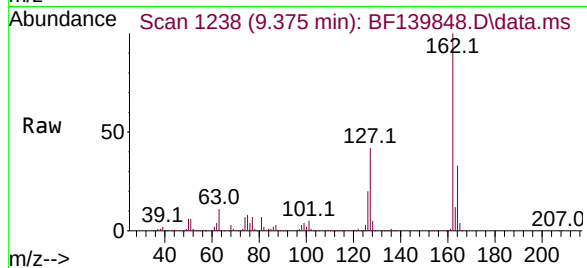
Tgt Ion:154 Resp: 1047094
Ion Ratio Lower Upper
154 100
153 40.3 20.3 60.3
76 13.9 0.0 33.9





#47
2-Chloronaphthalene
Concen: 39.613 ng
RT: 9.375 min Scan# 1238
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

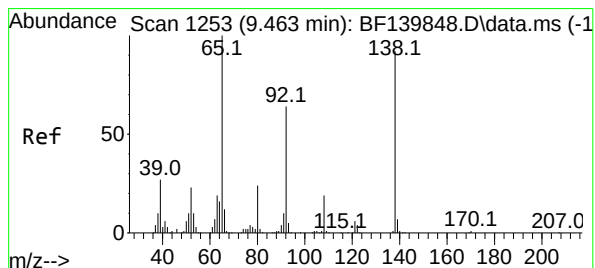
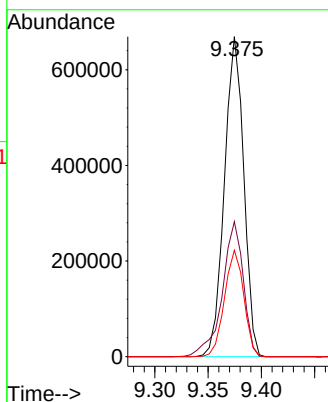
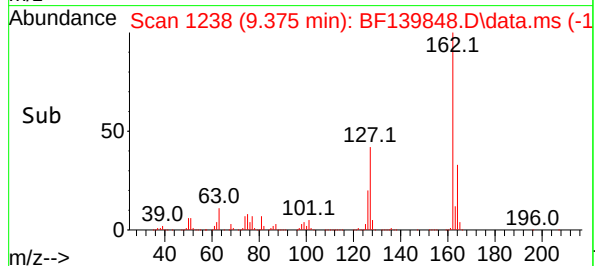
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:162 Resp: 843452
Ion Ratio Lower Upper
162 100
127 42.2 33.8 50.6
164 33.2 26.6 39.8

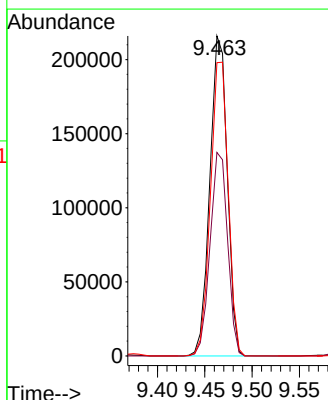
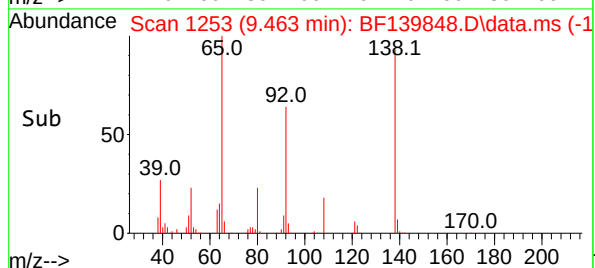
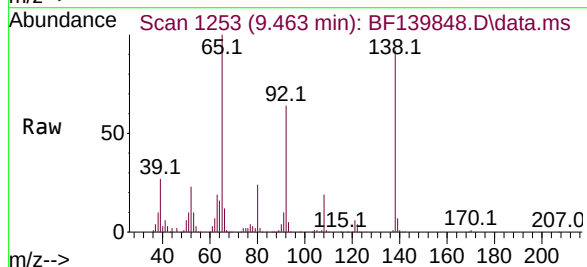
Manual Integrations
APPROVED

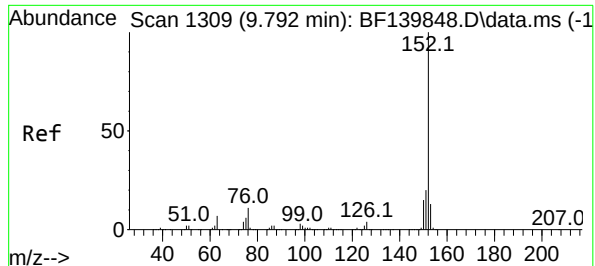
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#48
2-Nitroaniline
Concen: 42.562 ng
RT: 9.463 min Scan# 1253
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion: 65 Resp: 277165
Ion Ratio Lower Upper
65 100
92 63.6 50.9 76.3
138 91.7 73.4 110.0





#49

Acenaphthylene

Concen: 39.837 ng

RT: 9.792 min Scan# 1309

Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:152 Resp: 122627

Ion Ratio Lower Upper

152 100

151 19.9 15.9 23.9

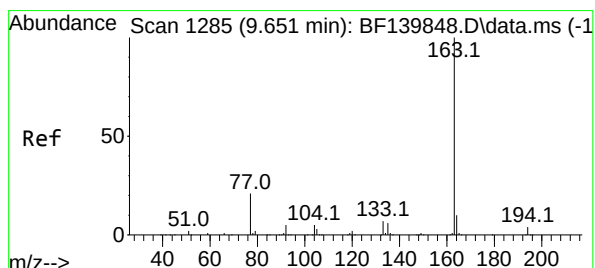
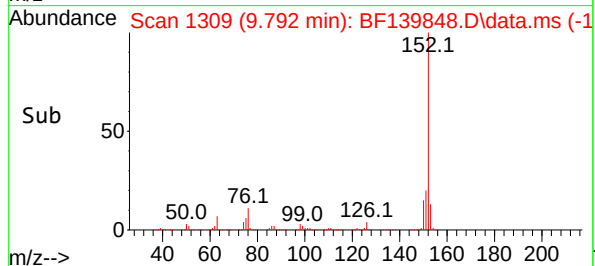
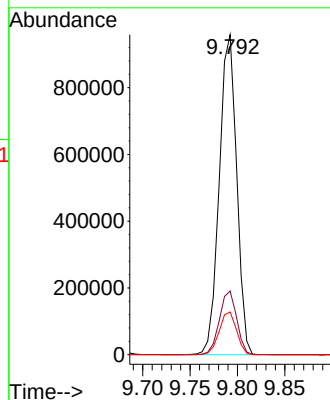
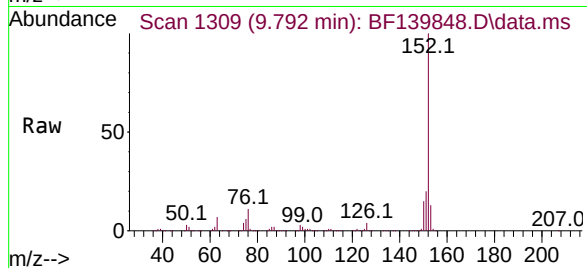
153 13.4 10.7 16.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#50

Dimethylphthalate

Concen: 39.726 ng

RT: 9.651 min Scan# 1285

Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

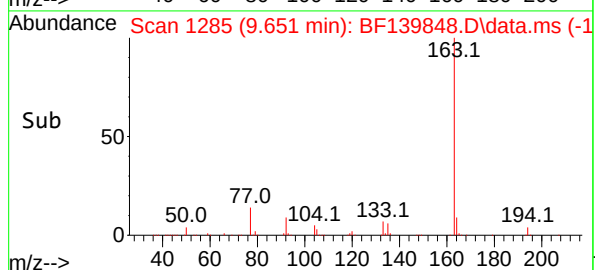
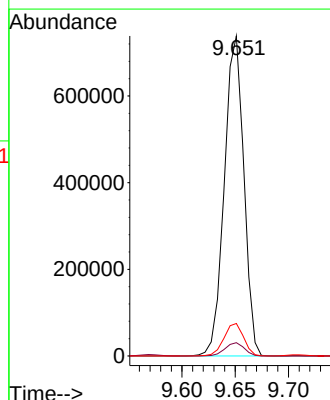
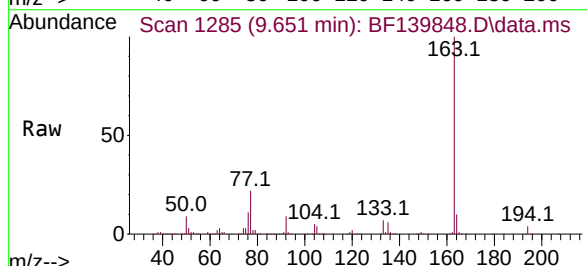
Tgt Ion:163 Resp: 939670

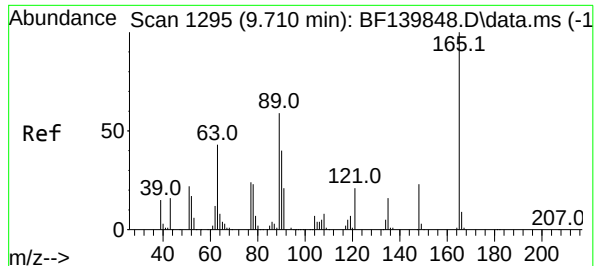
Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.0

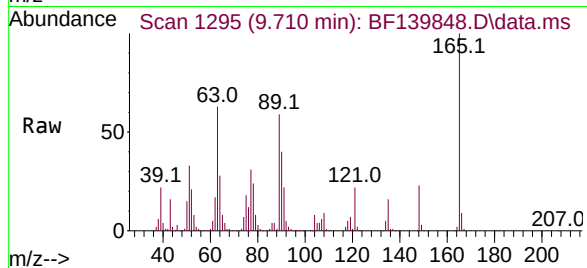
164 10.2 8.2 12.2





#51
2,6-Dinitrotoluene
Concen: 41.580 ng
RT: 9.710 min Scan# 1295
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

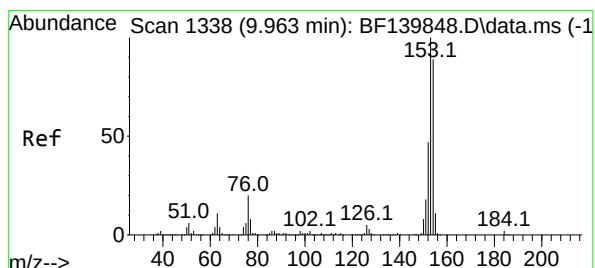
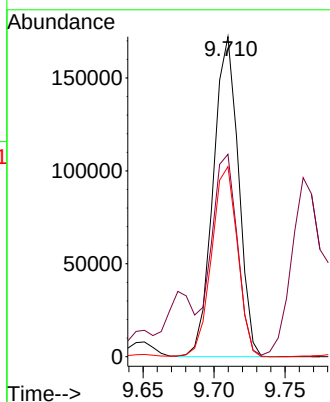
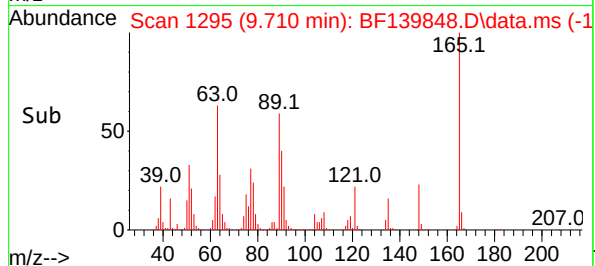
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:165 Resp: 212950
Ion Ratio Lower Upper
165 100
63 63.2 50.6 75.8
89 59.4 47.5 71.3

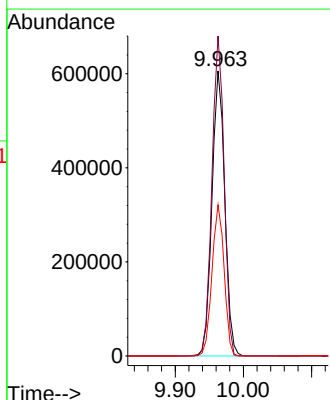
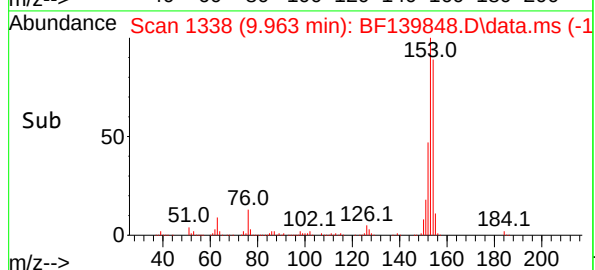
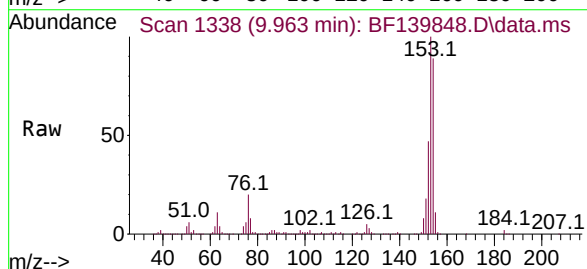
Manual Integrations
APPROVED

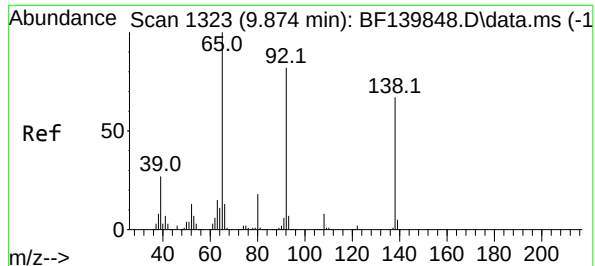
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#52
Acenaphthene
Concen: 39.811 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

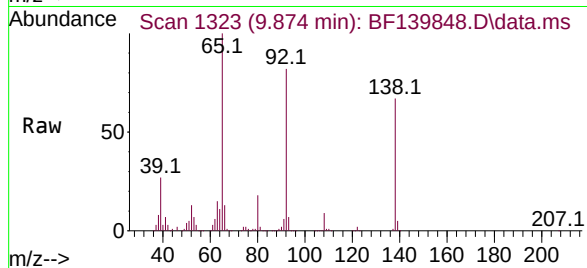
Tgt Ion:154 Resp: 792756
Ion Ratio Lower Upper
154 100
153 112.2 89.8 134.6
152 53.0 42.4 63.6





#53
3-Nitroaniline
Concen: 42.051 ng
RT: 9.874 min Scan# 1323
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

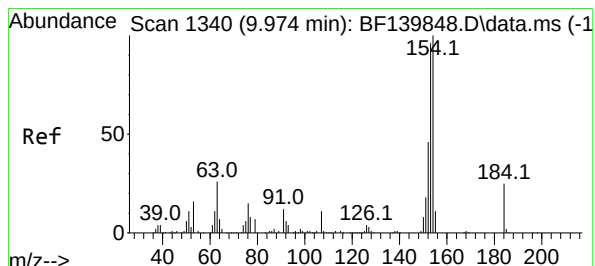
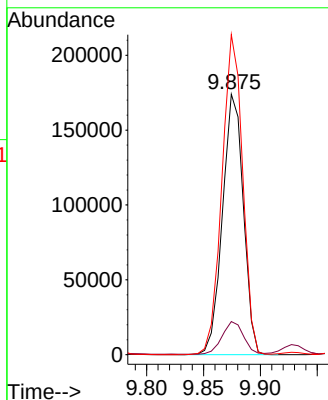
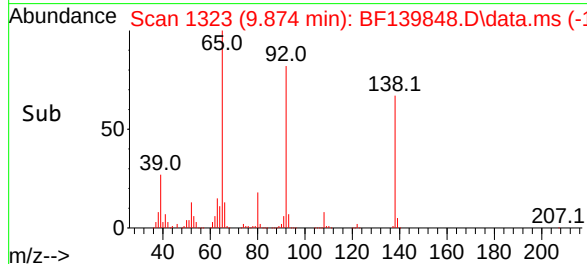
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:138 Resp: 222098
Ion Ratio Lower Upper
138 100
108 12.7 10.2 15.2
92 122.9 98.3 147.5

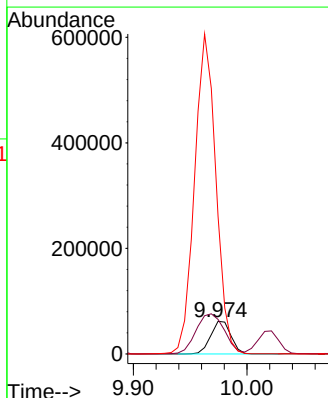
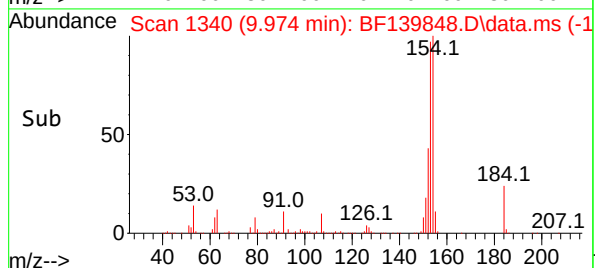
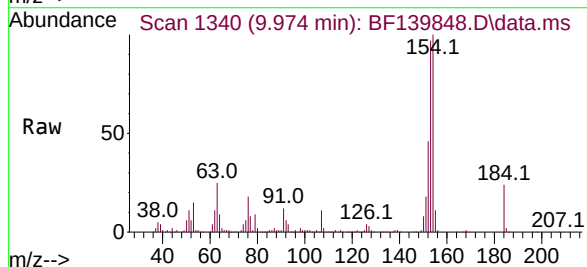
Manual Integrations
APPROVED

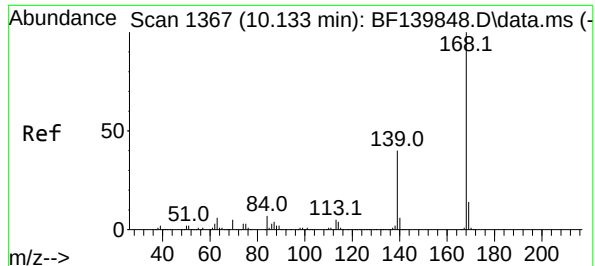
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#54
2,4-Dinitrophenol
Concen: 39.739 ng
RT: 9.974 min Scan# 1340
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

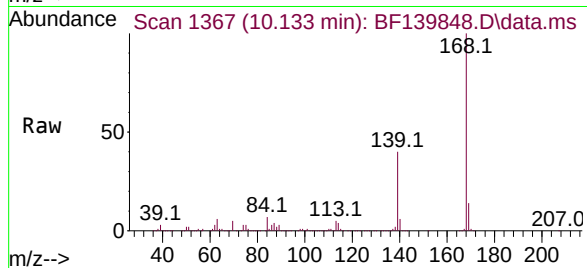
Tgt Ion:184 Resp: 76948
Ion Ratio Lower Upper
184 100
63 105.9 84.7 127.1
154 422.7 338.2 507.2





#55
Dibenzenofuran
Concen: 39.505 ng
RT: 10.133 min Scan# 1367
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

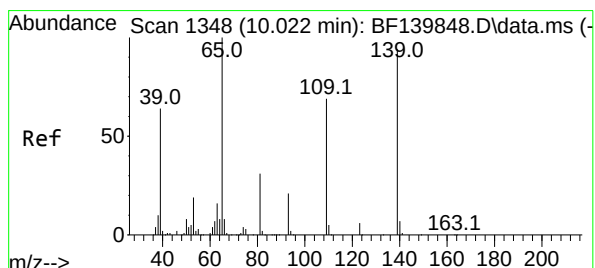
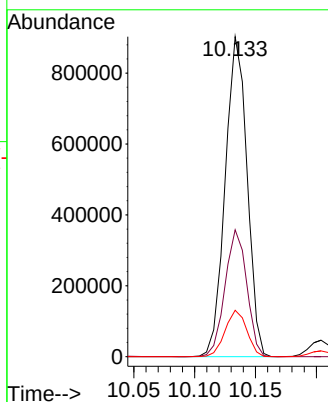
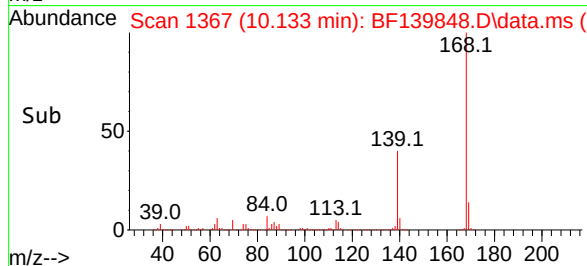
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:168 Resp: 1128670
Ion Ratio Lower Upper
168 100
139 39.7 31.8 47.6
169 14.5 11.6 17.4

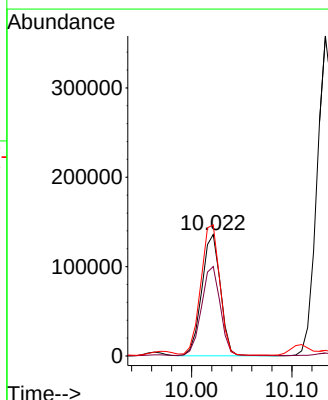
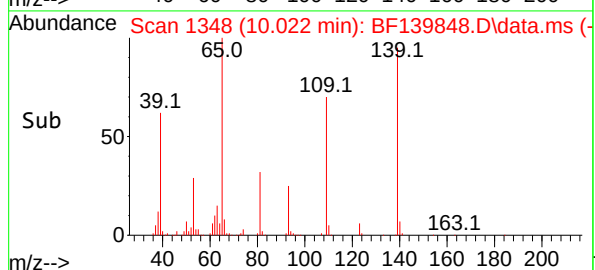
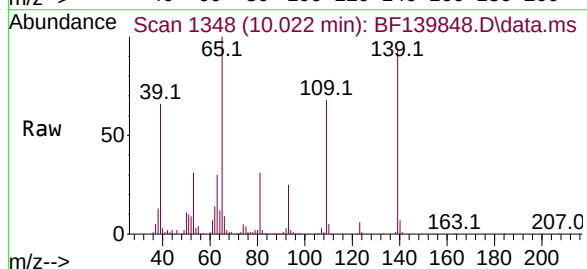
Manual Integrations
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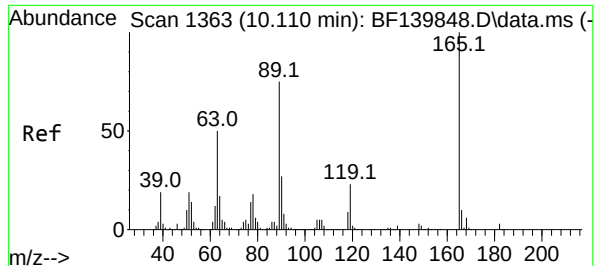
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#56
4-Nitrophenol
Concen: 43.292 ng
RT: 10.022 min Scan# 1348
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

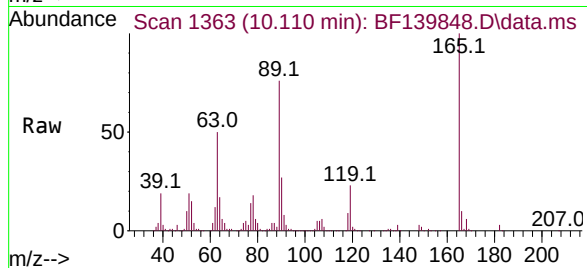
Tgt Ion:139 Resp: 175913
Ion Ratio Lower Upper
139 100
109 73.6 53.6 93.6
65 107.8 87.8 127.8





#57
2,4-Dinitrotoluene
Concen: 42.965 ng
RT: 10.110 min Scan# 1363
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

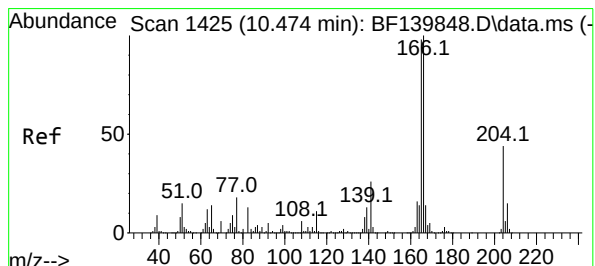
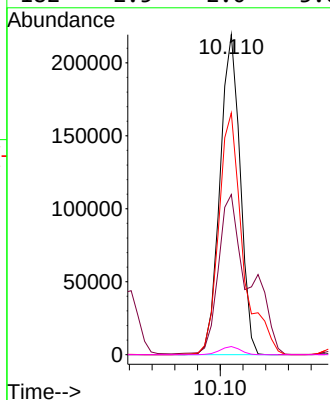
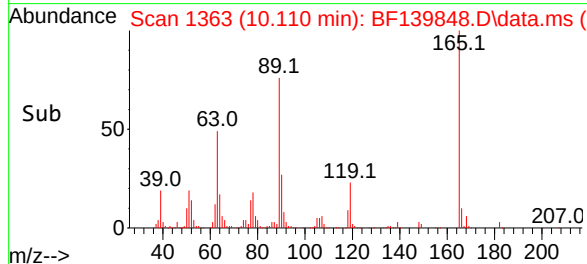
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:165 Resp: 270604
Ion Ratio Lower Upper
165 100
63 50.1 40.1 60.1
89 75.5 60.4 90.6
182 2.5 2.0 3.0

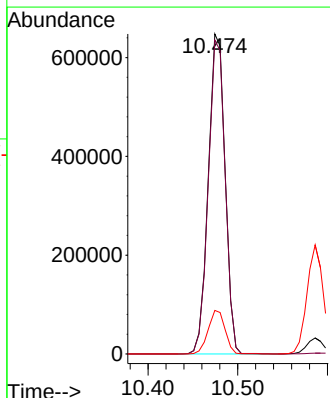
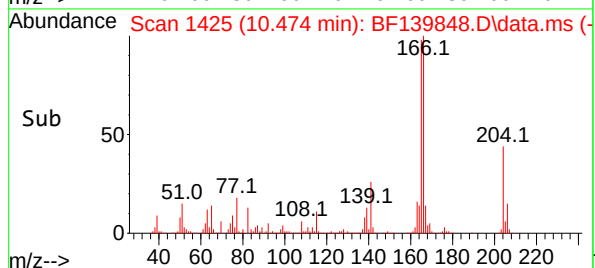
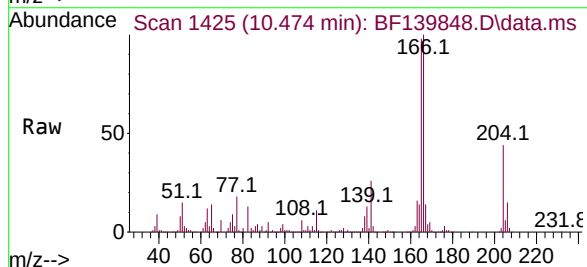
Manual Integrations
APPROVED

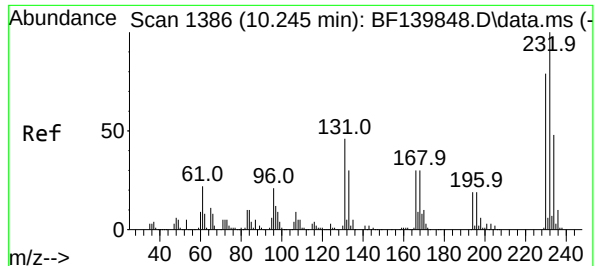
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#58
Fluorene
Concen: 38.742 ng
RT: 10.474 min Scan# 1425
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

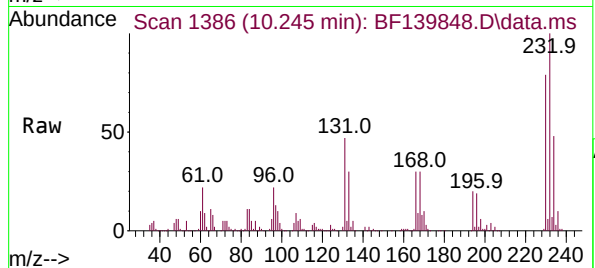
Tgt Ion:166 Resp: 843048
Ion Ratio Lower Upper
166 100
165 98.1 78.5 117.7
167 13.6 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 40.087 ng
RT: 10.245 min Scan# 1386
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

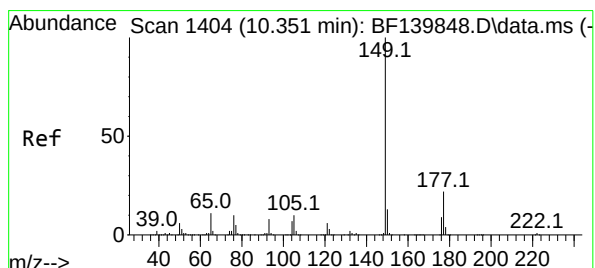
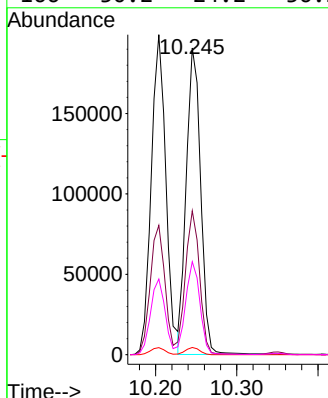
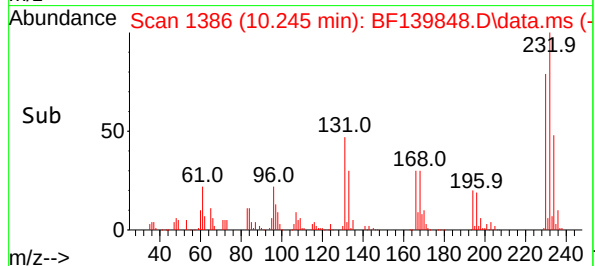
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:232 Resp: 23517
Ion Ratio Lower Upper
232 100
131 46.3 37.0 55.6
130 2.4 1.9 2.9
166 30.2 24.2 36.2

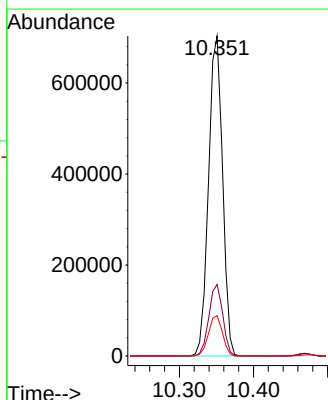
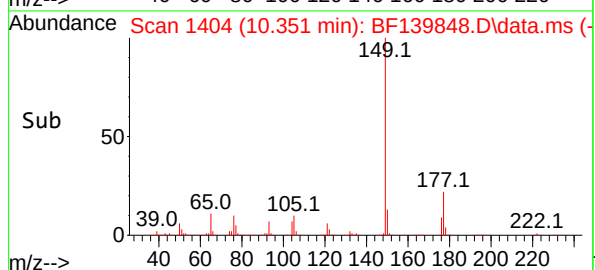
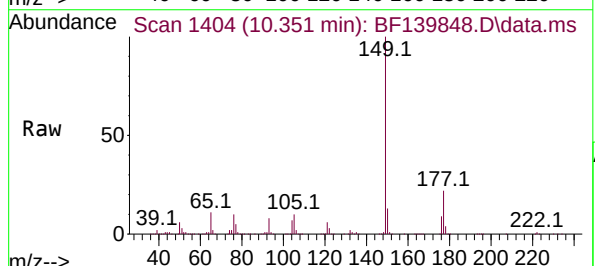
Manual Integrations
APPROVED

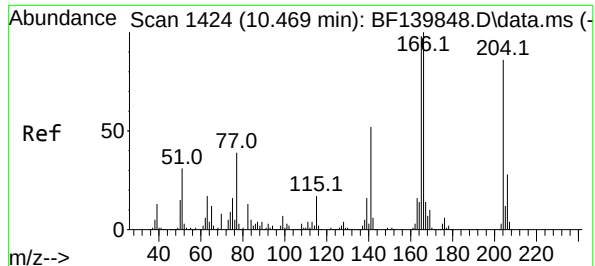
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#60
Diethylphthalate
Concen: 39.715 ng
RT: 10.351 min Scan# 1404
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

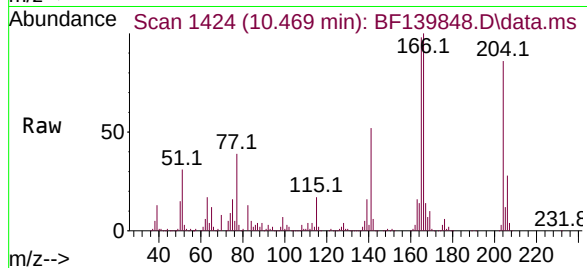
Tgt Ion:149 Resp: 922384
Ion Ratio Lower Upper
149 100
177 22.4 17.9 26.9
150 12.6 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 39.347 ng
RT: 10.469 min Scan# 1424
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

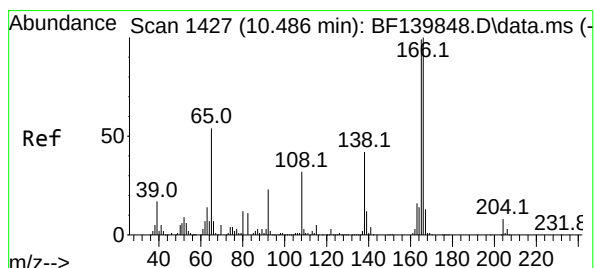
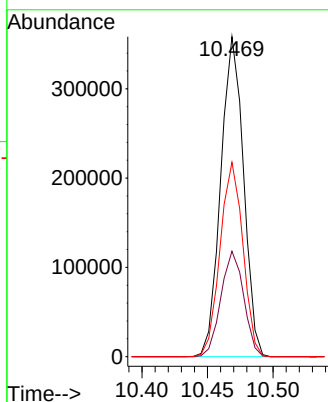
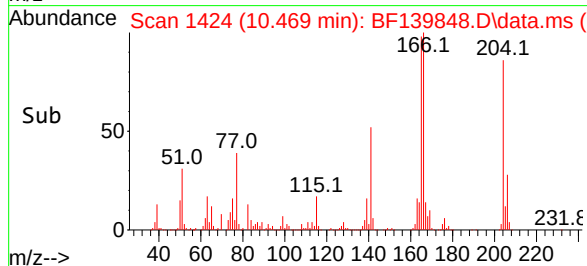
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



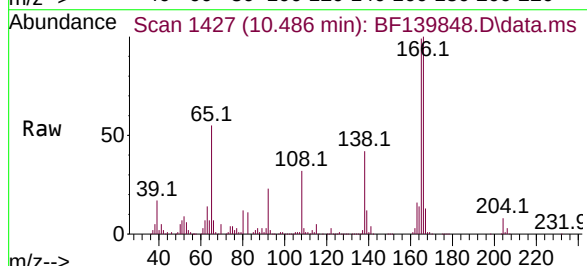
Tgt Ion:204 Resp: 43239
Ion Ratio Lower Upper
204 100
206 32.9 26.3 39.5
141 60.8 48.6 73.0

Manual Integrations
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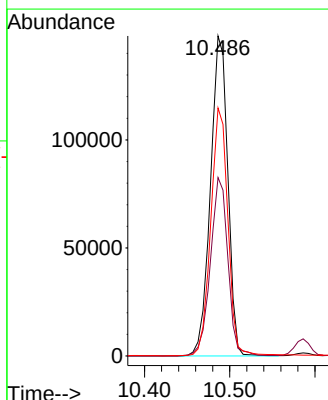
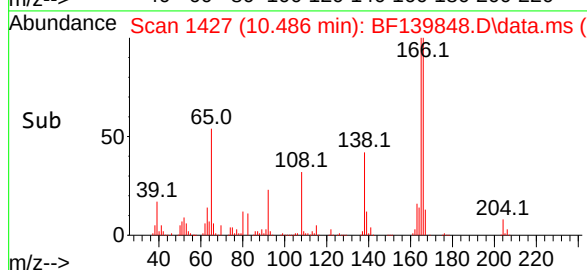
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

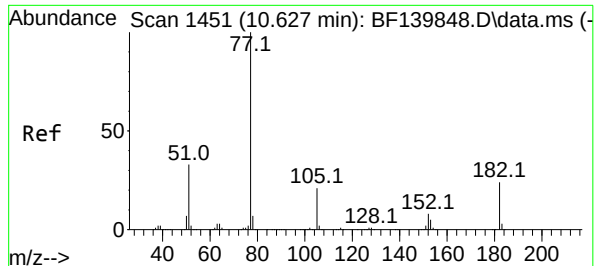


#62
4-Nitroaniline
Concen: 41.884 ng
RT: 10.486 min Scan# 1427
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20



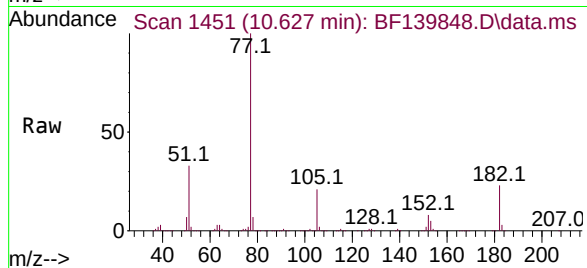
Tgt Ion:138 Resp: 208926
Ion Ratio Lower Upper
138 100
92 55.7 35.7 75.7
108 77.5 57.5 97.5





#63
Azobenzene
Concen: 40.289 ng
RT: 10.627 min Scan# 1451
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

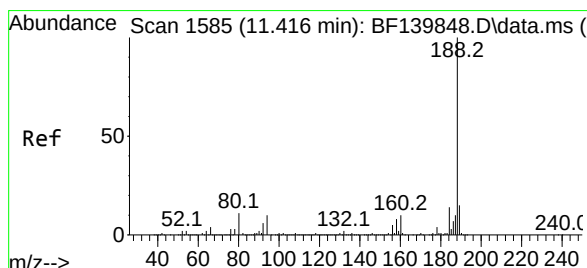
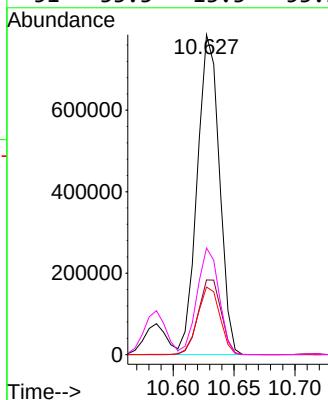
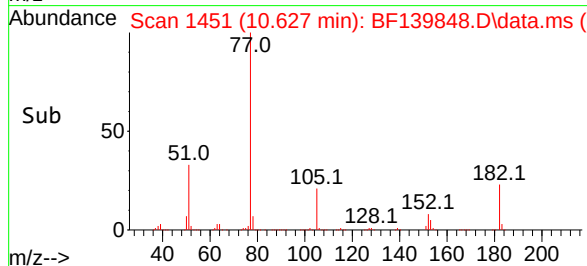
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion: 77 Resp: 991989
Ion Ratio Lower Upper
77 100
182 23.3 3.3 43.3
105 21.2 1.2 41.2
51 33.3 13.3 53.3

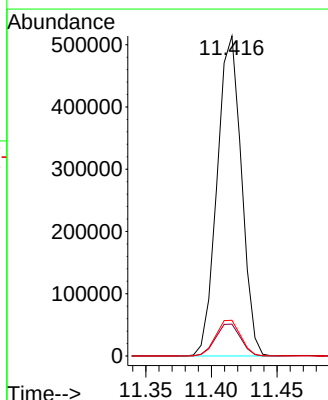
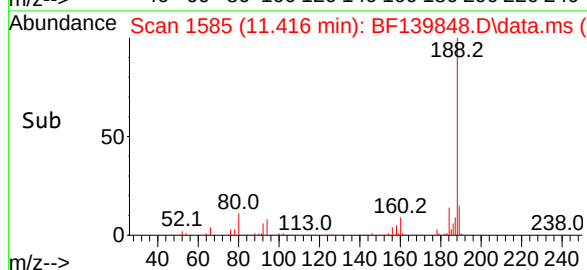
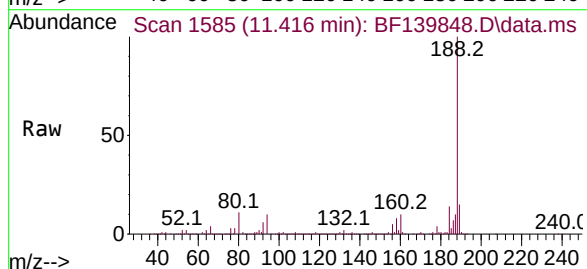
Manual Integrations
APPROVED

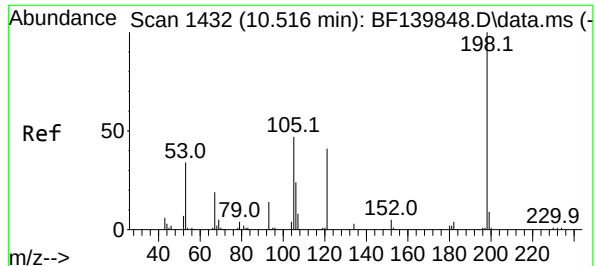
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:188 Resp: 663459
Ion Ratio Lower Upper
188 100
94 9.9 7.9 11.9
80 11.2 9.0 13.4





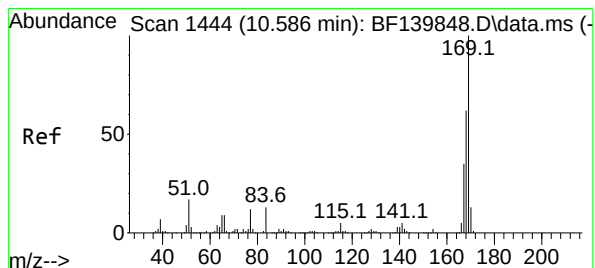
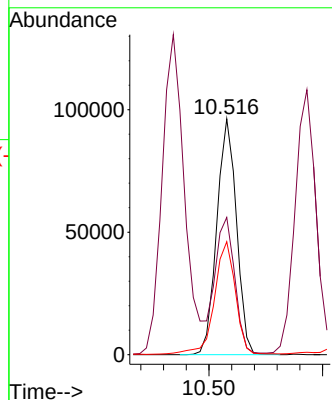
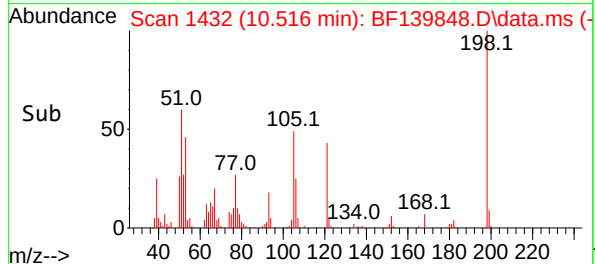
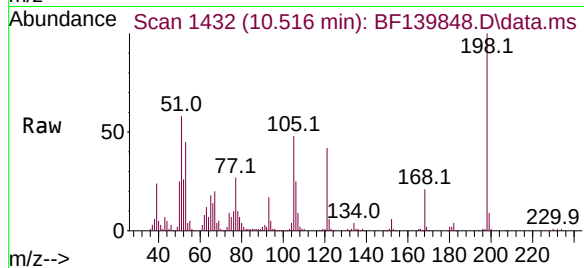
#65
4,6-Dinitro-2-methylphenol
Concen: 42.799 ng
RT: 10.516 min Scan# 1432
Delta R.T. -0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:198 Resp: 115824
Ion Ratio Lower Upper
198 100
51 58.2 38.2 78.2
105 47.9 27.9 67.9

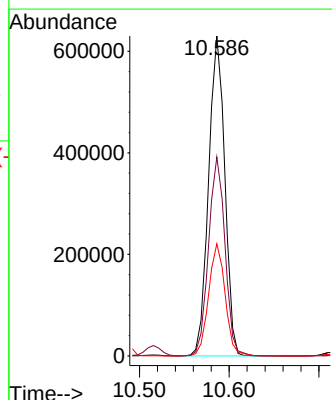
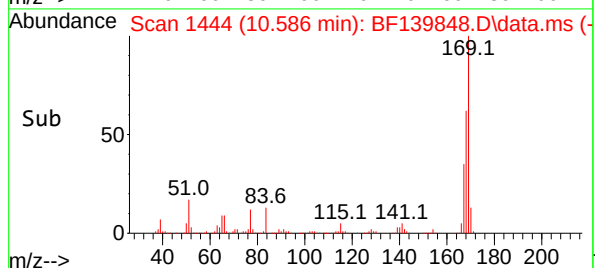
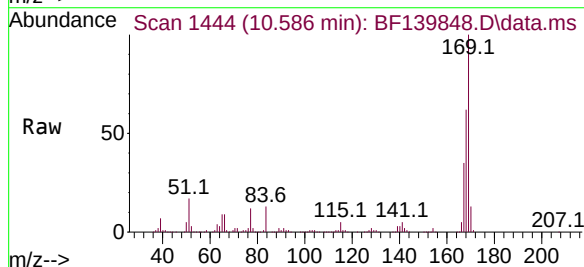
Manual Integrations
APPROVED

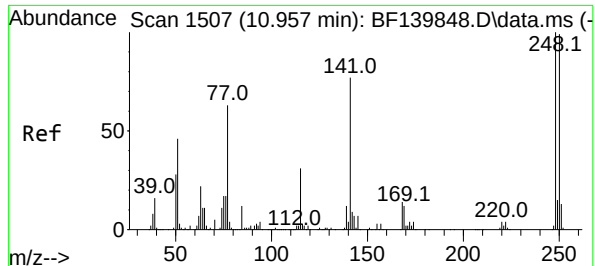
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#66
n-Nitrosodiphenylamine
Concen: 39.772 ng
RT: 10.586 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

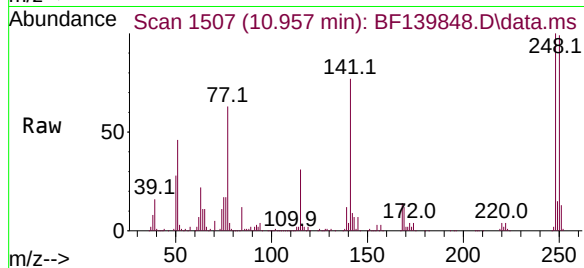
Tgt Ion:169 Resp: 789753
Ion Ratio Lower Upper
169 100
168 62.2 49.8 74.6
167 35.0 28.0 42.0





#67
4-Bromophenyl-phenylether
Concen: 39.285 ng
RT: 10.957 min Scan# 1507
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

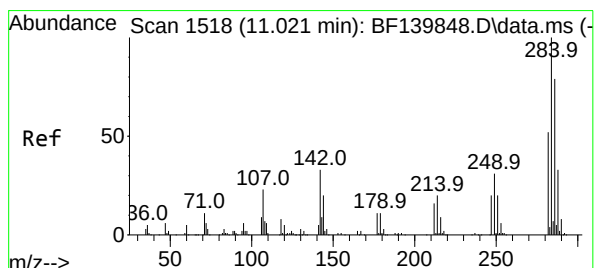
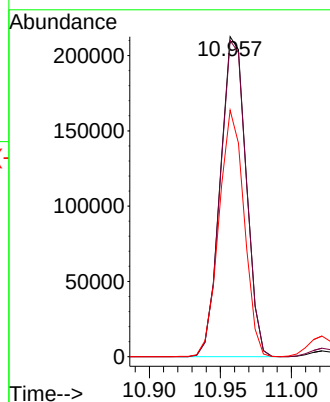
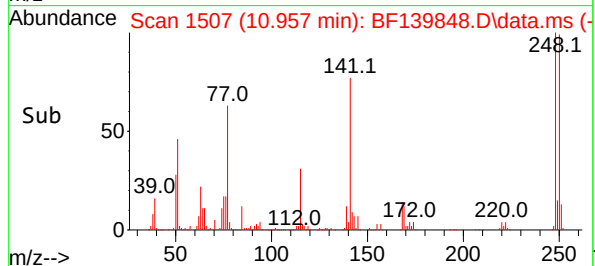
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



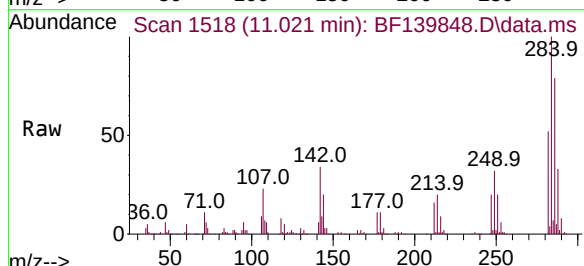
Tgt Ion:248 Resp: 268509
Ion Ratio Lower Upper
248 100
250 98.8 79.0 118.6
141 77.1 61.7 92.5

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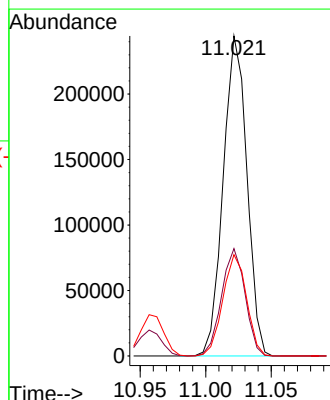
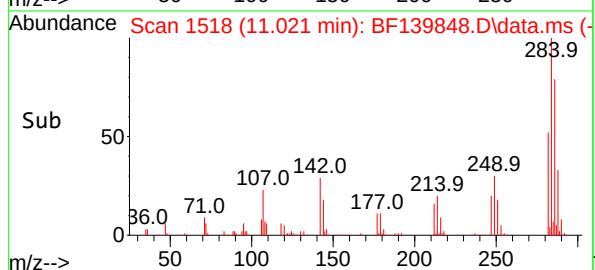
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

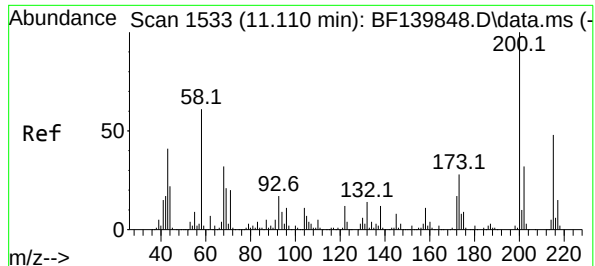


#68
Hexachlorobenzene
Concen: 39.927 ng
RT: 11.021 min Scan# 1518
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20



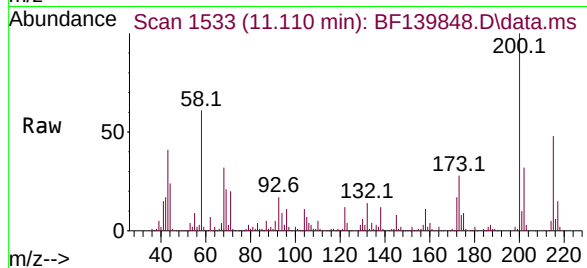
Tgt Ion:284 Resp: 306919
Ion Ratio Lower Upper
284 100
142 33.6 26.9 40.3
249 31.6 25.3 37.9





#69
Atrazine
Concen: 43.145 ng
RT: 11.110 min Scan# 1533
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

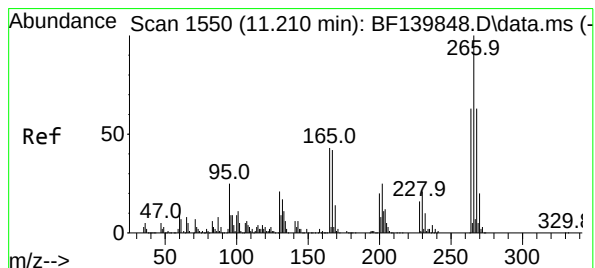
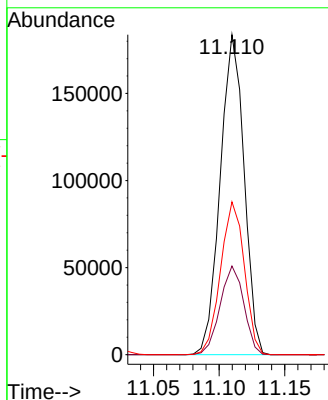
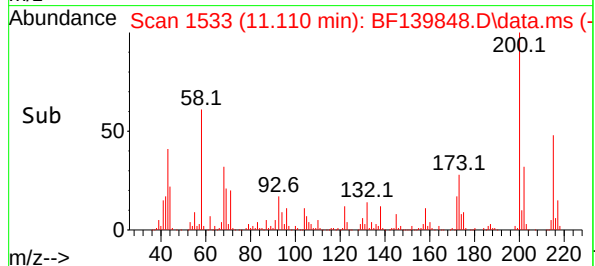
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



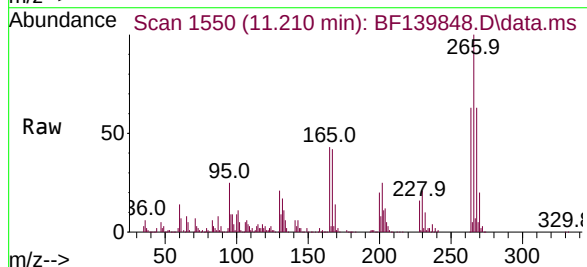
Tgt Ion:200 Resp: 232078
Ion Ratio Lower Upper
200 100
173 27.7 7.7 47.7
215 47.7 27.7 67.7

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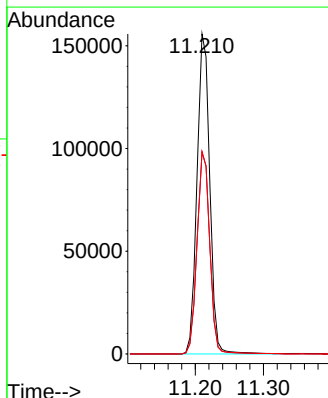
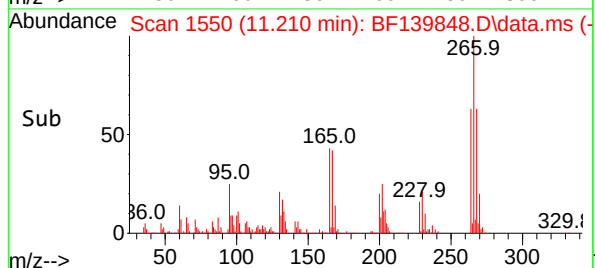
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

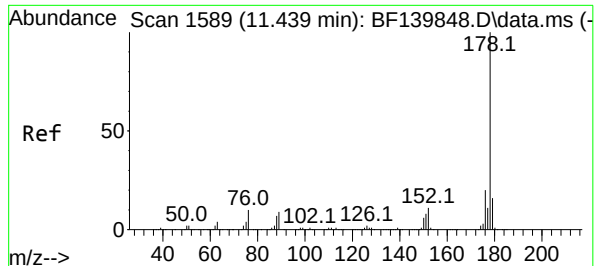


#70
Pentachlorophenol
Concen: 43.204 ng
RT: 11.210 min Scan# 1550
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20



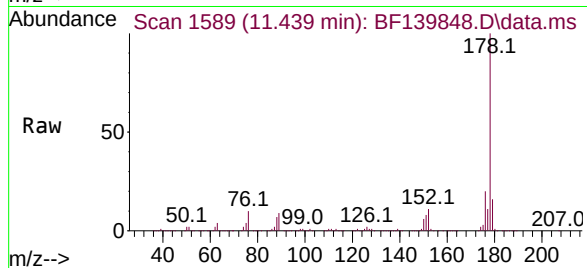
Tgt Ion:266 Resp: 201559
Ion Ratio Lower Upper
266 100
268 63.0 50.4 75.6
264 63.2 50.6 75.8





#71
Phenanthrene
Concen: 39.508 ng
RT: 11.439 min Scan# 1589
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

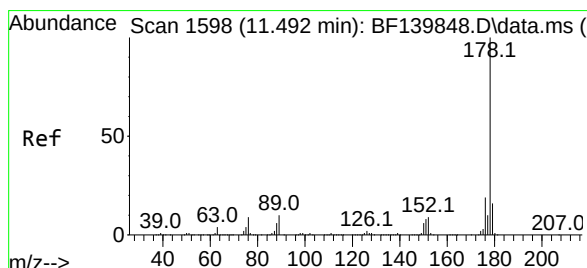
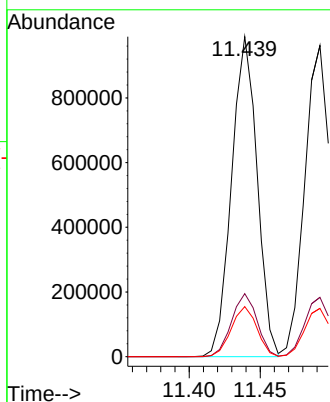
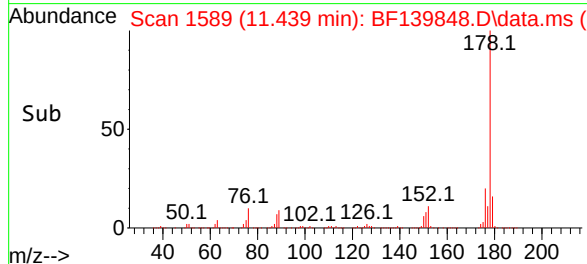
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



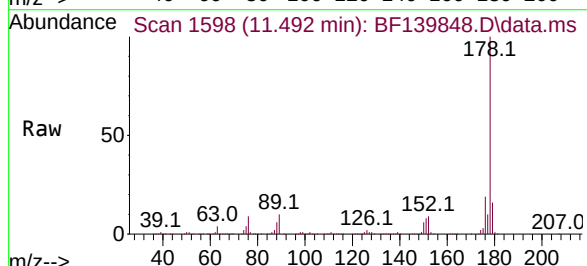
Tgt Ion:178 Resp: 123815
Ion Ratio Lower Upper
178 100
176 19.7 15.8 23.6
179 15.7 12.6 18.8

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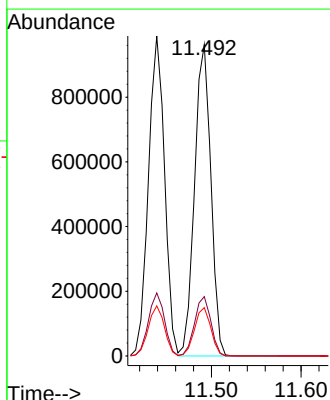
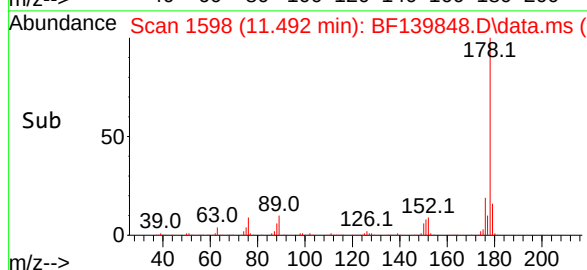
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

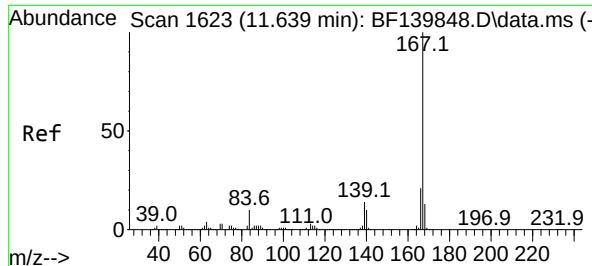


#72
Anthracene
Concen: 39.628 ng
RT: 11.492 min Scan# 1598
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20



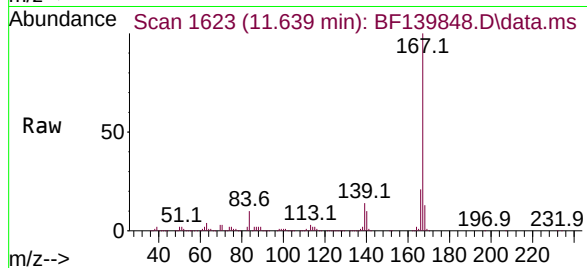
Tgt Ion:178 Resp: 1211718
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.5 12.4 18.6





#73
Carbazole
Concen: 39.475 ng
RT: 11.639 min Scan# 1623
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

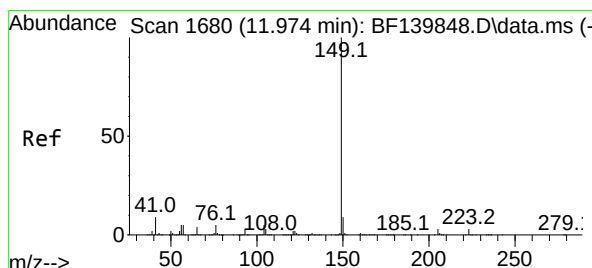
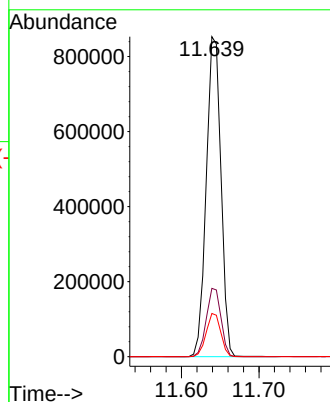
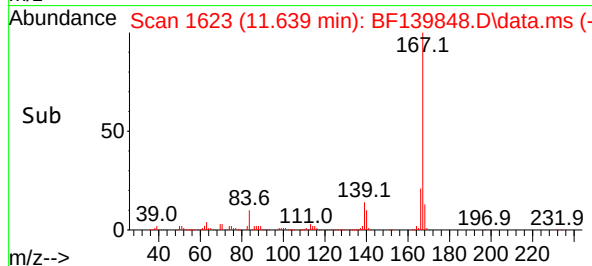
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:167 Resp: 1122560
Ion Ratio Lower Upper
167 100
166 21.3 17.0 25.6
139 13.5 10.8 16.2

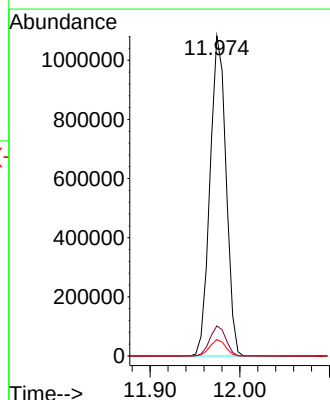
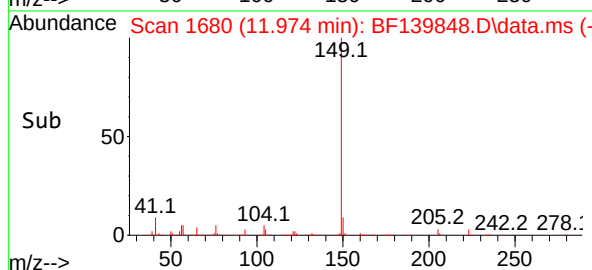
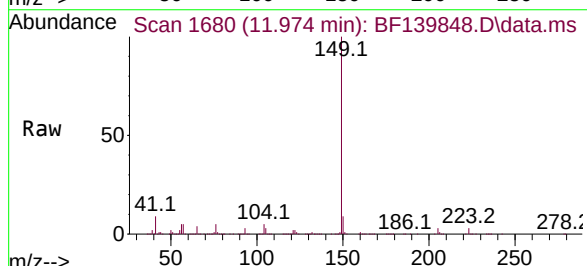
Manual Integrations
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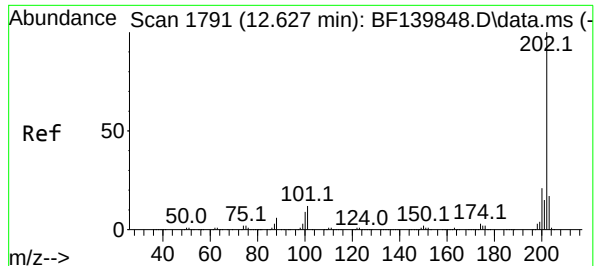
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#74
Di-n-butylphthalate
Concen: 40.965 ng
RT: 11.974 min Scan# 1680
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

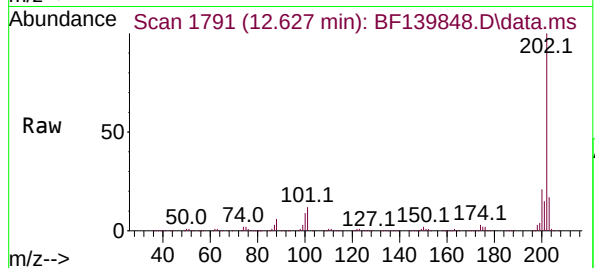
Tgt Ion:149 Resp: 1345878
Ion Ratio Lower Upper
149 100
150 9.4 7.5 11.3
104 5.1 4.1 6.1





#75
Fluoranthene
Concen: 39.493 ng
RT: 12.627 min Scan# 1791
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

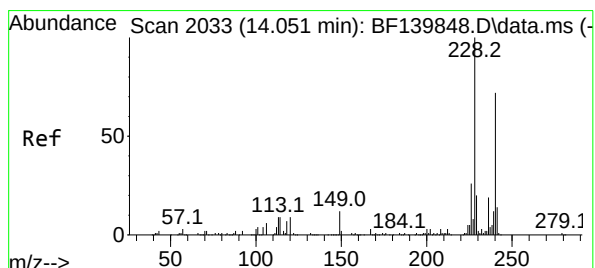
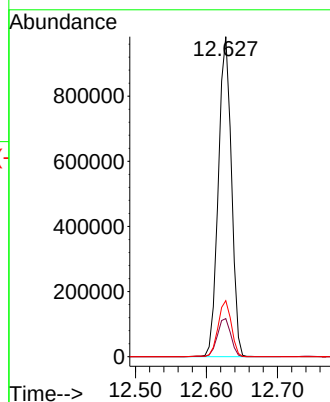
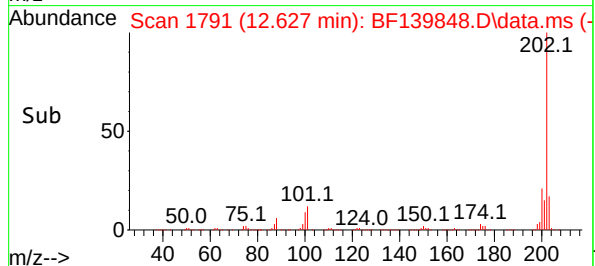
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:202 Resp: 125120
Ion Ratio Lower Upper
202 100
101 11.9 0.0 31.9
203 17.5 0.0 37.5

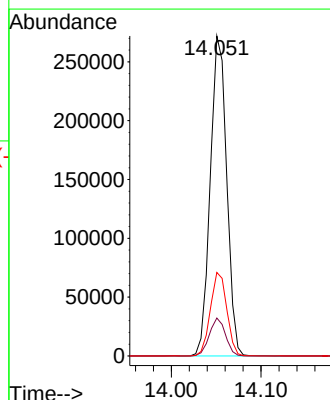
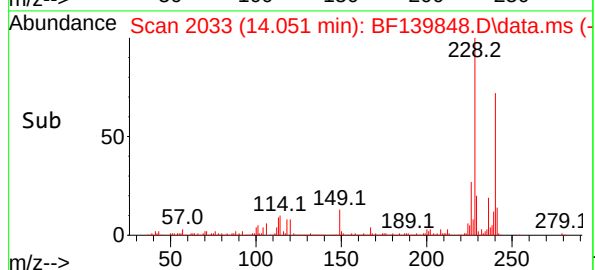
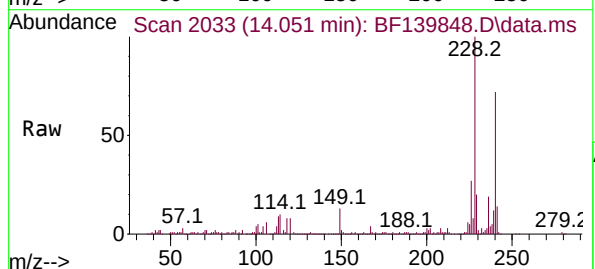
Manual Integrations
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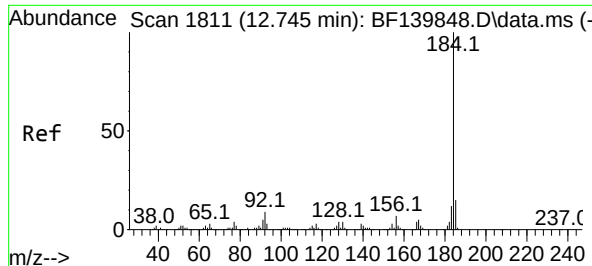
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

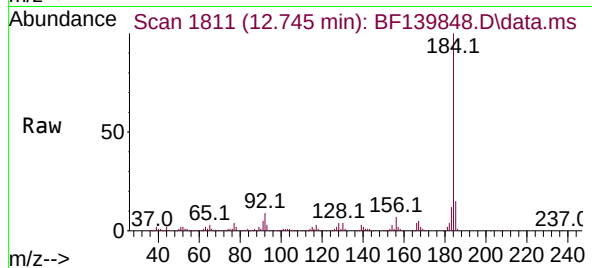
Tgt Ion:240 Resp: 345800
Ion Ratio Lower Upper
240 100
120 11.8 9.4 14.2
236 26.1 20.9 31.3





#77
Benzidine
Concen: 44.967 ng
RT: 12.745 min Scan# 1811
Delta R.T. -0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

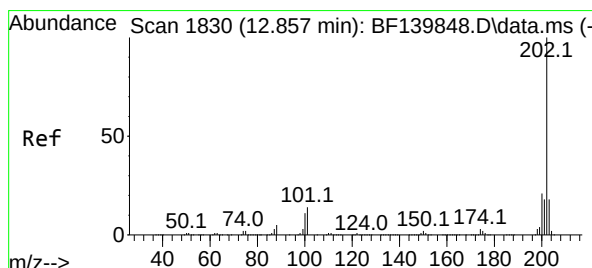
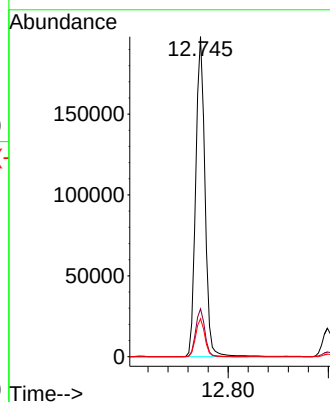
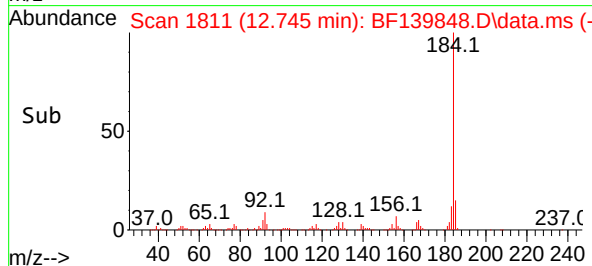
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:184 Resp: 25289
Ion Ratio Lower Upper
184 100
185 15.0 12.0 18.0
183 11.8 9.4 14.2

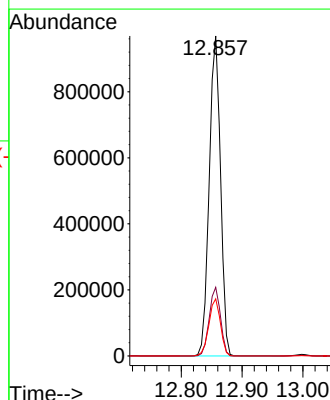
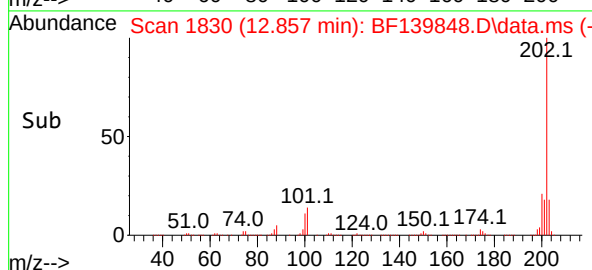
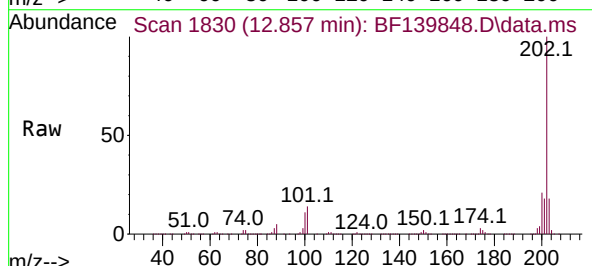
Manual Integrations
APPROVED

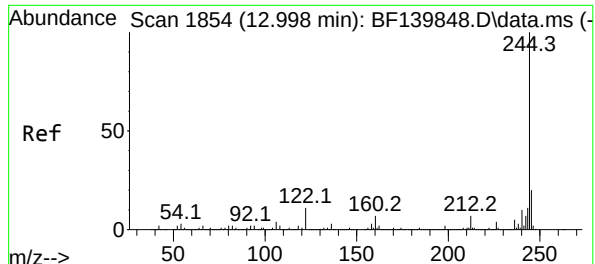
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#78
Pyrene
Concen: 41.241 ng
RT: 12.857 min Scan# 1830
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:202 Resp: 1248309
Ion Ratio Lower Upper
202 100
200 21.5 17.2 25.8
203 17.8 14.2 21.4





#79

Terphenyl-d14

Concen: 81.103 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:244 Resp: 1721125

Ion Ratio Lower Upper

244 100

212 7.1 5.7 8.5

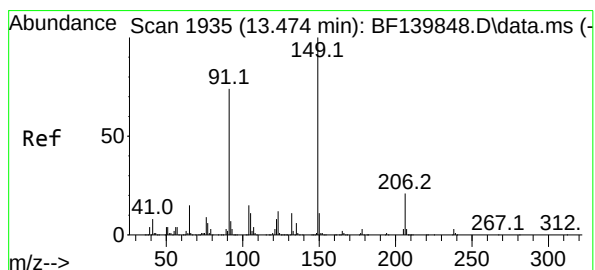
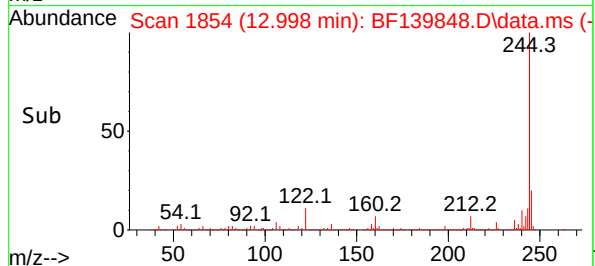
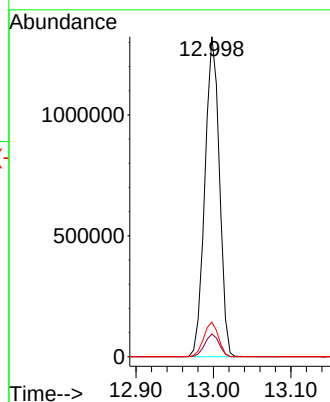
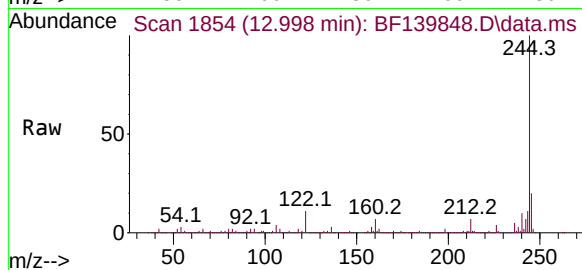
122 10.8 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#80

Butylbenzylphthalate

Concen: 42.297 ng

RT: 13.474 min Scan# 1935

Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

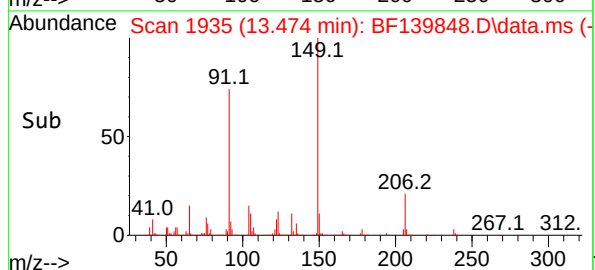
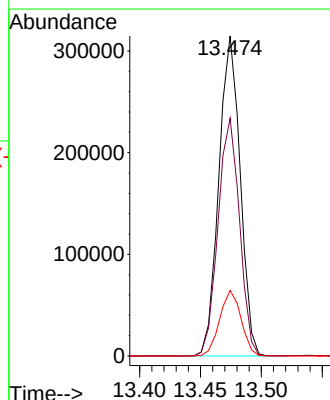
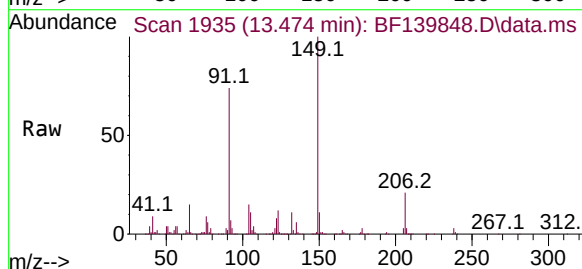
Tgt Ion:149 Resp: 383831

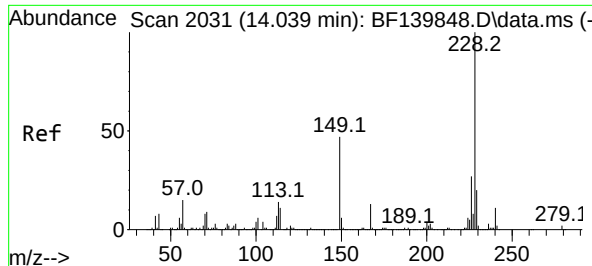
Ion Ratio Lower Upper

149 100

91 74.3 59.4 89.2

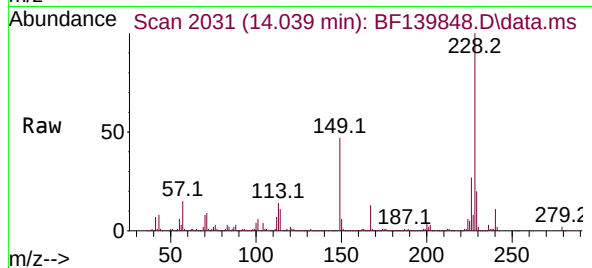
206 20.5 16.4 24.6





#81
Benzo(a)anthracene
Concen: 40.901 ng
RT: 14.039 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

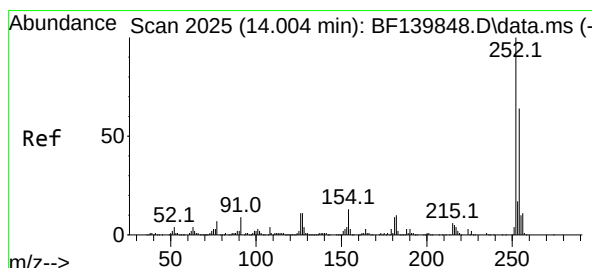
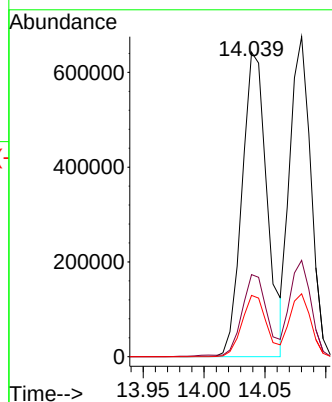
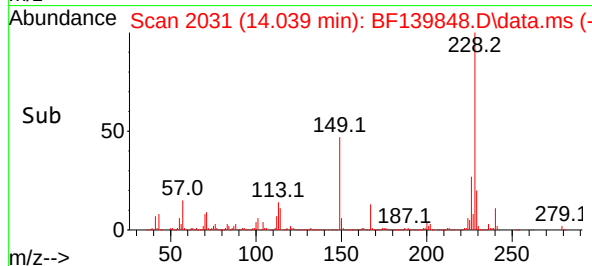
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:228 Resp: 920698
Ion Ratio Lower Upper
228 100
226 27.0 21.6 32.4
229 20.1 16.1 24.1

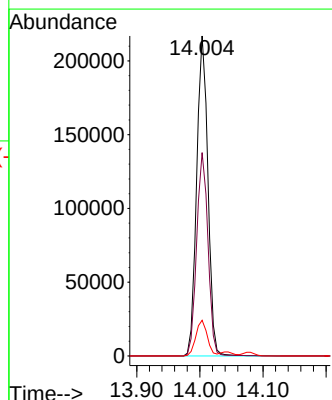
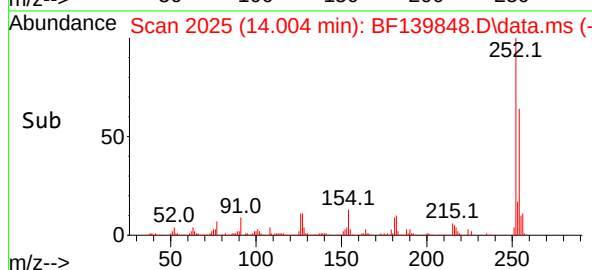
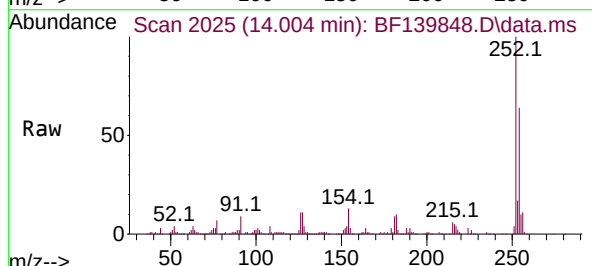
Manual Integrations
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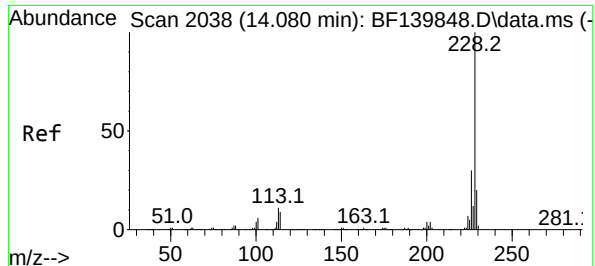
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#82
3,3'-Dichlorobenzidine
Concen: 40.798 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

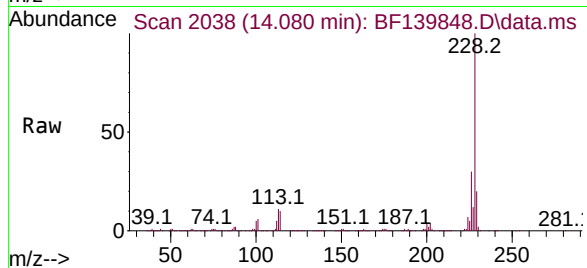
Tgt Ion:252 Resp: 267769
Ion Ratio Lower Upper
252 100
254 63.5 50.8 76.2
126 11.1 8.9 13.3





#83
Chrysene
Concen: 39.098 ng
RT: 14.080 min Scan# 2038
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

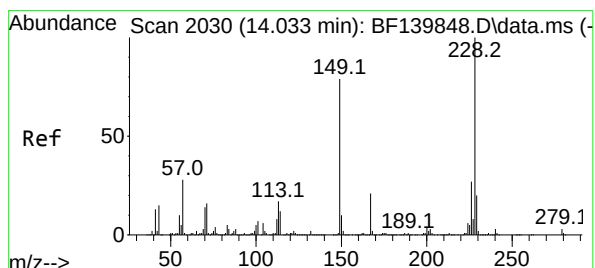
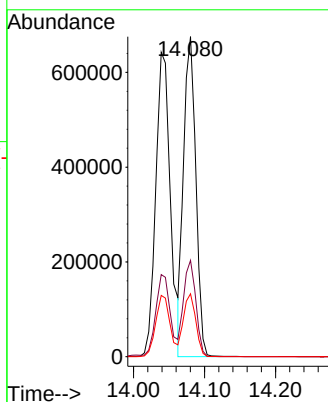
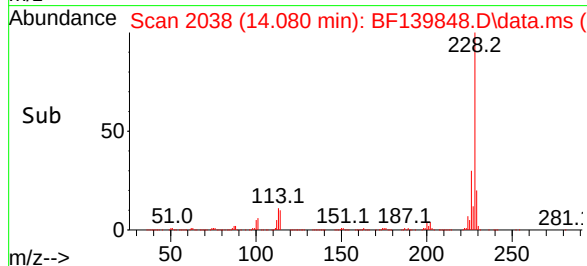
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:228 Resp: 806950
Ion Ratio Lower Upper
228 100
226 30.1 24.1 36.1
229 19.7 15.8 23.6

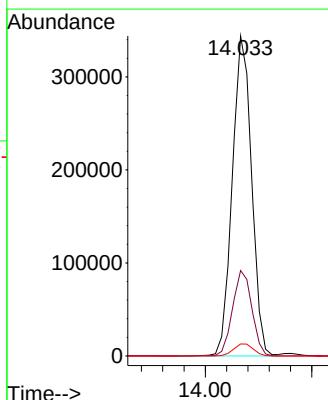
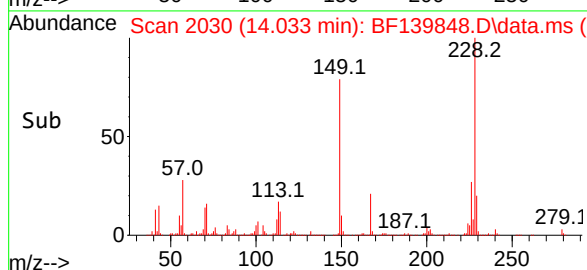
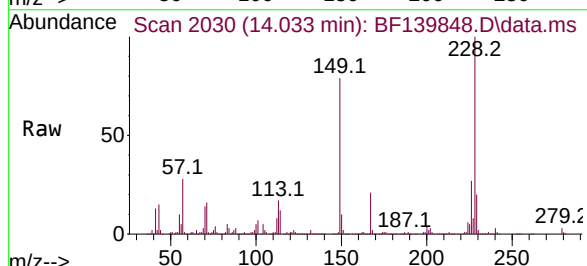
Manual Integrations
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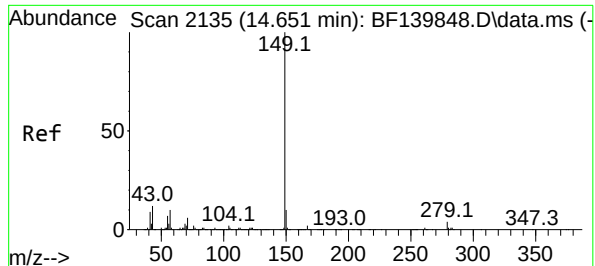
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#84
Bis(2-ethylhexyl)phthalate
Concen: 42.504 ng
RT: 14.033 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

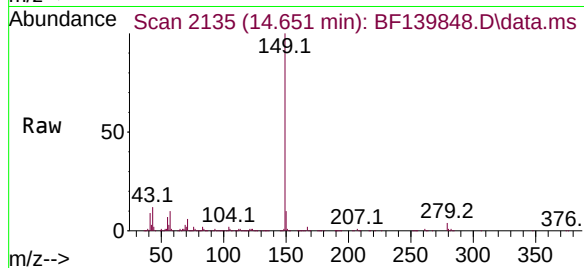
Tgt Ion:149 Resp: 432750
Ion Ratio Lower Upper
149 100
167 26.7 21.4 32.0
279 3.7 3.0 4.4





#85
Di-n-octyl phthalate
Concen: 42.399 ng
RT: 14.651 min Scan# 2135
Delta R.T. -0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

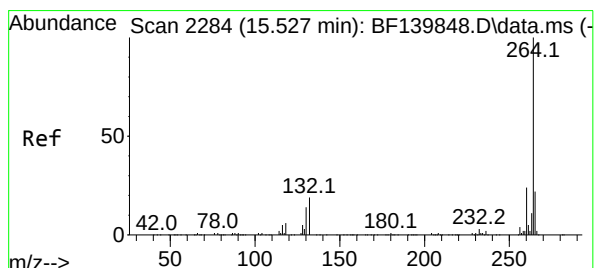
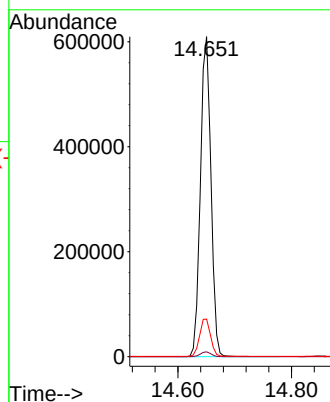
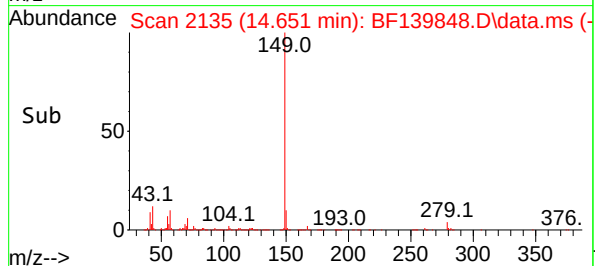
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:149 Resp: 785179
Ion Ratio Lower Upper
149 100
167 1.5 1.2 1.8
43 12.2 9.8 14.6

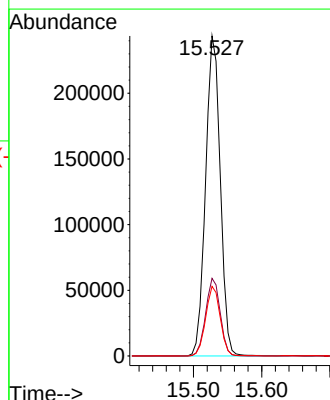
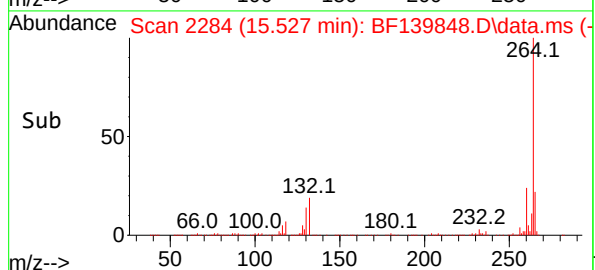
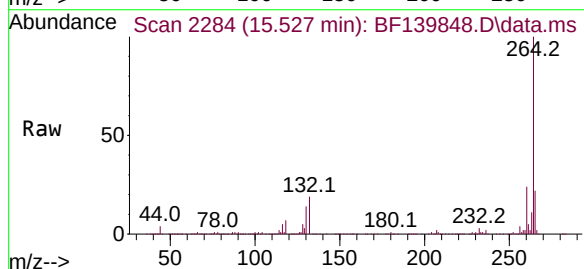
Manual Integrations
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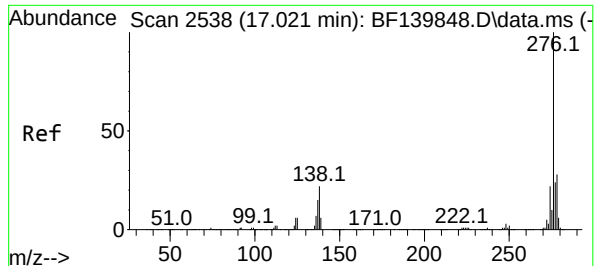
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2284
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

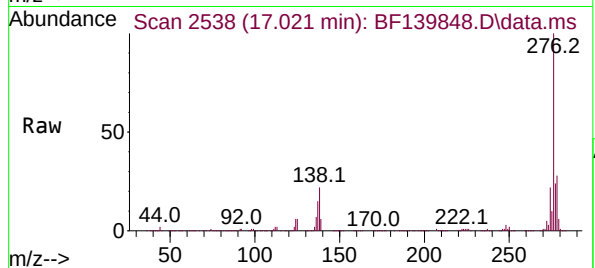
Tgt Ion:264 Resp: 365076
Ion Ratio Lower Upper
264 100
260 24.3 19.4 29.2
265 21.7 17.4 26.0





#87
Indeno(1,2,3-cd)pyrene
Concen: 42.039 ng
RT: 17.021 min Scan# 2538
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

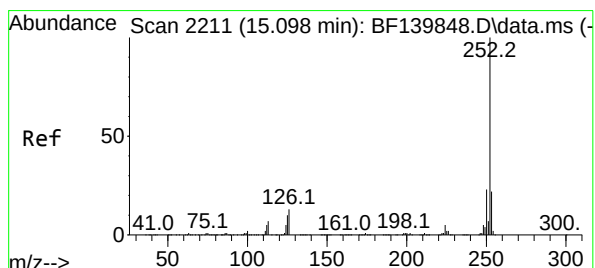
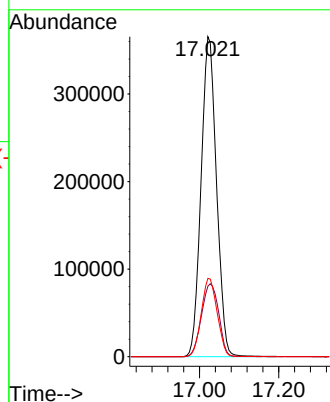
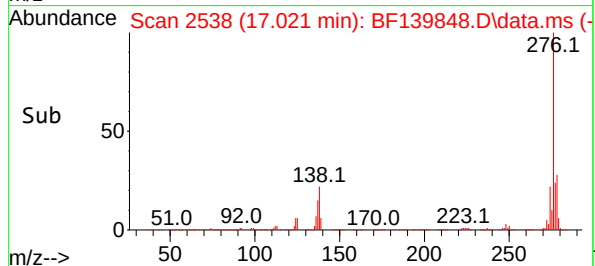
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:276 Resp: 987345
Ion Ratio Lower Upper
276 100
138 25.5 20.4 30.6
277 25.3 20.2 30.4

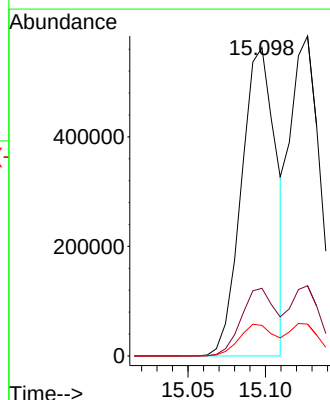
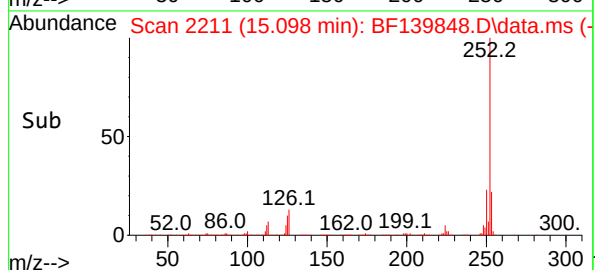
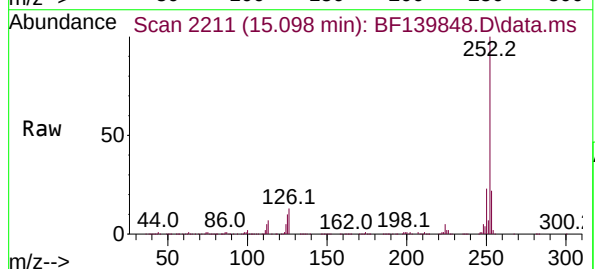
Manual Integrations
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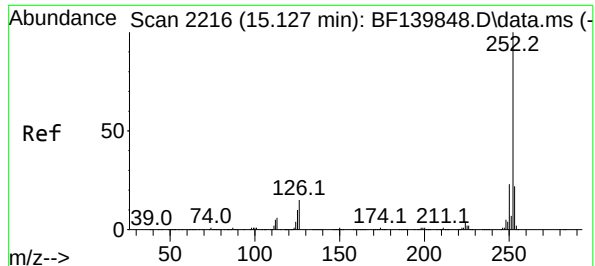
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#88
Benzo(b)fluoranthene
Concen: 39.263 ng
RT: 15.098 min Scan# 2211
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:252 Resp: 873168
Ion Ratio Lower Upper
252 100
253 22.0 17.6 26.4
125 9.9 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 40.589 ng

RT: 15.127 min Scan# 2216

Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:252 Resp: 778470

Ion Ratio Lower Upper

252 100

253 22.0 17.6 26.4

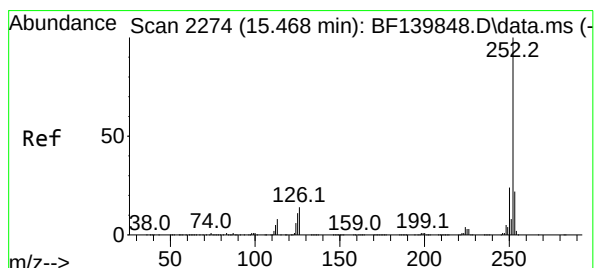
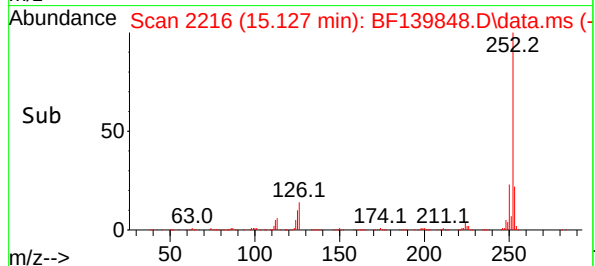
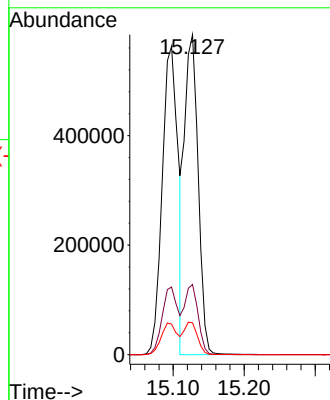
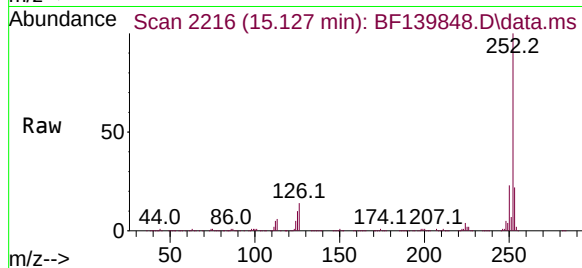
125 9.9 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#90

Benzo(a)pyrene

Concen: 40.905 ng

RT: 15.468 min Scan# 2274

Delta R.T. 0.000 min

Lab File: BF139848.D

Acq: 18 Oct 2024 12:20

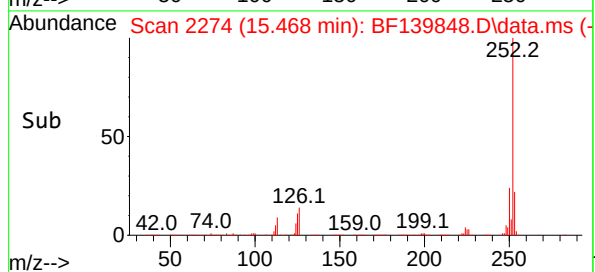
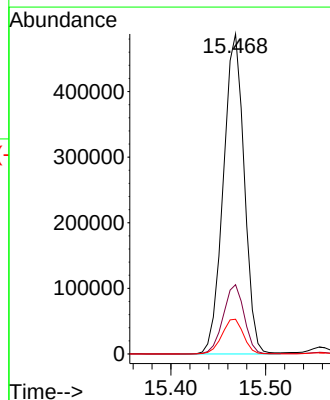
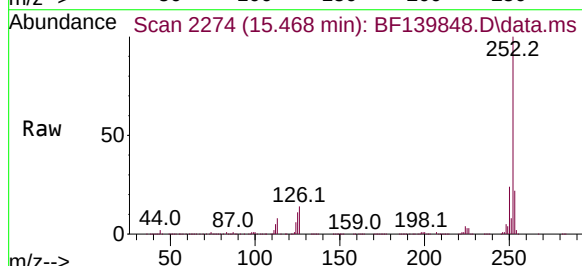
Tgt Ion:252 Resp: 748507

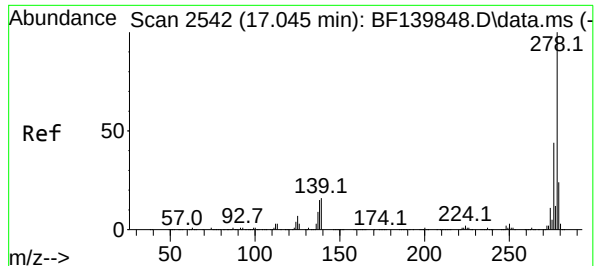
Ion Ratio Lower Upper

252 100

253 21.6 17.3 25.9

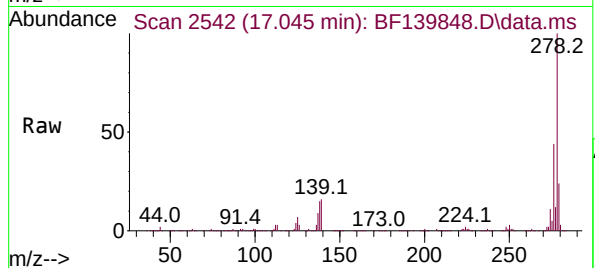
125 10.9 8.7 13.1





#91
Dibenzo(a,h)anthracene
Concen: 41.752 ng
RT: 17.045 min Scan# 2542
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

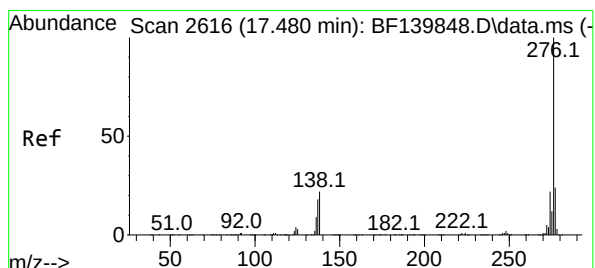
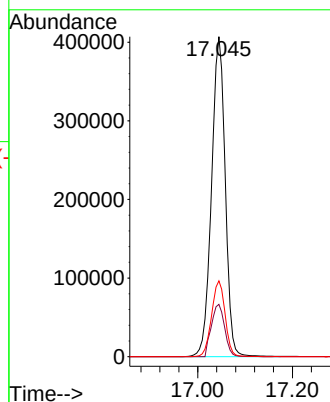
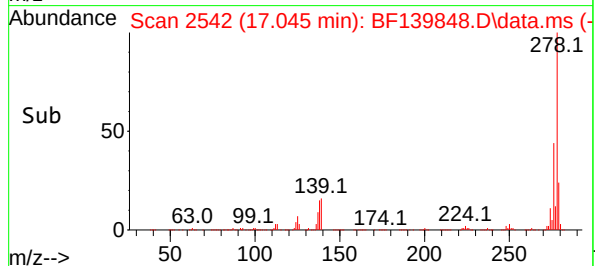
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:278 Resp: 818044
Ion Ratio Lower Upper
278 100
139 16.4 13.1 19.7
279 23.7 19.0 28.4

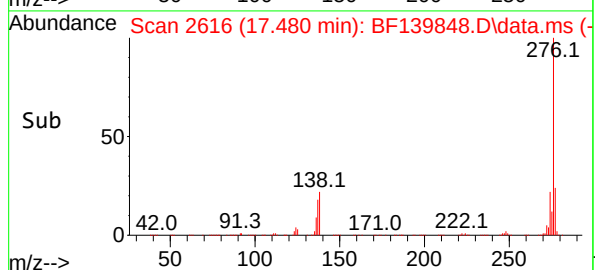
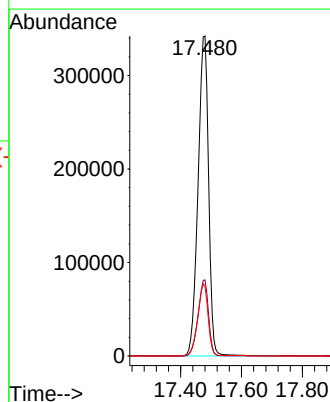
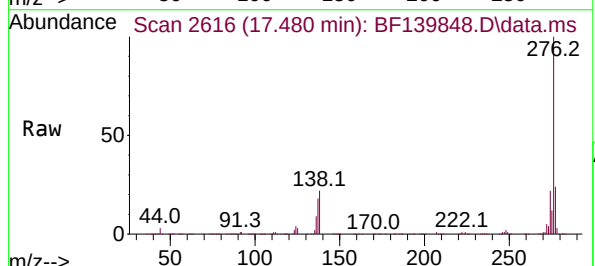
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#92
Benzo(g,h,i)perylene
Concen: 42.090 ng
RT: 17.480 min Scan# 2616
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:276 Resp: 823727
Ion Ratio Lower Upper
276 100
277 23.8 19.0 28.6
138 21.7 17.4 26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101824\
 Data File : BF139849.D
 Acq On : 18 Oct 2024 12:49
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024

Quant Time: Oct 18 14:19:35 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Oct 18 14:11:20 2024

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	197235	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	739665	20.000	ng	0.00
39) Acenaphthene-d10	9.927	164	405194	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	694873	20.000	ng	0.00
76) Chrysene-d12	14.051	240	349496	20.000	ng	0.00
86) Perylene-d12	15.527	264	390757	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	1162820	92.295	ng	0.00
7) Phenol-d6	6.510	99	1517079	92.972	ng	0.00
23) Nitrobenzene-d5	7.457	82	1310450	98.193	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	362330	95.600	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	2204460	89.915	ng	0.00
79) Terphenyl-d14	12.998	244	2015874	93.988	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.687	88	281572	47.933	ng	99
3) Pyridine	3.446	79	683175	46.920	ng	99
4) n-Nitrosodimethylamine	3.404	42	385387	49.264	ng	97
6) Aniline	6.557	93	725204	47.686	ng	98
8) 2-Chlorophenol	6.675	128	597810	46.414	ng	98
9) Benzaldehyde	6.439	77	430623	46.911	ng	100
10) Phenol	6.528	94	780406m	45.569	ng	
11) bis(2-Chloroethyl)ether	6.628	93	617014	47.453	ng	99
12) 1,3-Dichlorobenzene	6.834	146	686600	46.439	ng	99
13) 1,4-Dichlorobenzene	6.910	146	686616	46.483	ng	99
14) 1,2-Dichlorobenzene	7.063	146	627851	45.543	ng	99
15) Benzyl Alcohol	7.028	79	569012	47.538	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.169	45	1043921	47.084	ng	100
17) 2-Methylphenol	7.134	107	519035	47.259	ng	99
18) Hexachloroethane	7.404	117	250100	47.480	ng	100
19) n-Nitroso-di-n-propyla...	7.310	70	454173	45.892	ng	99
20) 3+4-Methylphenols	7.292	107	645650	45.961	ng	# 88
22) Acetophenone	7.304	105	835908	46.140	ng	97
24) Nitrobenzene	7.475	77	707970	48.385	ng	100
25) Isophorone	7.710	82	1205277	47.583	ng	99
26) 2-Nitrophenol	7.786	139	292634	53.013	ng	99
27) 2,4-Dimethylphenol	7.822	122	439040	47.699	ng	98
28) bis(2-Chloroethoxy)met...	7.922	93	728968	47.500	ng	100
29) 2,4-Dichlorophenol	8.028	162	502930	47.971	ng	98
30) 1,2,4-Trichlorobenzene	8.116	180	550757	47.476	ng	99
31) Naphthalene	8.198	128	1770616	46.415	ng	100
32) Benzoic acid	7.933	122	426532	53.131	ng	100
33) 4-Chloroaniline	8.245	127	613822	47.189	ng	99
34) Hexachlorobutadiene	8.316	225	343002	47.058	ng	100
35) Caprolactam	8.616	113	162260	48.675	ng	98
36) 4-Chloro-3-methylphenol	8.716	107	553487	47.678	ng	99
37) 2-Methylnaphthalene	8.886	142	1085491	46.462	ng	99
38) 1-Methylnaphthalene	8.986	142	1052879	45.933	ng	100
40) 1,2,4,5-Tetrachloroben...	9.051	216	518960	47.474	ng	99
41) Hexachlorocyclopentadiene	9.039	237	188234	49.488	ng	99
43) 2,4,6-Trichlorophenol	9.157	196	367373	47.468	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101824\
 Data File : BF139849.D
 Acq On : 18 Oct 2024 12:49
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/21/2024
 Supervised By :mohammad ahmed 10/21/2024

Quant Time: Oct 18 14:19:35 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 14:11:20 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	385963	48.336	ng	98
46) 1,1'-Biphenyl	9.351	154	1301562	46.143	ng	99
47) 2-Chloronaphthalene	9.375	162	1061417	46.720	ng	99
48) 2-Nitroaniline	9.469	65	358283	51.564	ng	97
49) Acenaphthylene	9.792	152	1526583	46.479	ng	99
50) Dimethylphthalate	9.651	163	1187472	47.050	ng	99
51) 2,6-Dinitrotoluene	9.710	165	277023	50.693	ng	99
52) Acenaphthene	9.963	154	989603	46.576	ng	100
53) 3-Nitroaniline	9.880	138	279467	49.591	ng	100
54) 2,4-Dinitrophenol	9.980	184	102786	48.105	ng	# 18
55) Dibenzofuran	10.133	168	1407211	46.162	ng	99
56) 4-Nitrophenol	10.022	139	221410	51.068	ng	97
57) 2,4-Dinitrotoluene	10.110	165	348628	51.878	ng	97
58) Fluorene	10.480	166	1042268	44.889	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.251	232	300306	47.975	ng	99
60) Diethylphthalate	10.351	149	1180411	47.634	ng	99
61) 4-Chlorophenyl-phenyle...	10.469	204	532654	45.427	ng	98
62) 4-Nitroaniline	10.492	138	266320	50.037	ng	99
63) Azobenzene	10.633	77	1231644	46.881	ng	98
65) 4,6-Dinitro-2-methylph...	10.522	198	156461	55.202	ng	94
66) n-Nitrosodiphenylamine	10.586	169	987295	47.472	ng	100
67) 4-Bromophenyl-phenylether	10.963	248	341790	47.746	ng	97
68) Hexachlorobenzene	11.027	284	376968	46.823	ng	98
69) Atrazine	11.110	200	234998	41.713	ng	99
70) Pentachlorophenol	11.216	266	252064	51.587	ng	98
71) Phenanthrene	11.439	178	1500010	45.700	ng	99
72) Anthracene	11.492	178	1478655	46.172	ng	99
73) Carbazole	11.645	167	1348098	45.263	ng	99
74) Di-n-butylphthalate	11.974	149	1602928	46.583	ng	100
75) Fluoranthene	12.627	202	1462936	44.089	ng	99
77) Benzidine	12.745	184	240940	42.388	ng	99
78) Pyrene	12.857	202	1471893	48.113	ng	100
80) Butylbenzylphthalate	13.474	149	467242	50.944	ng	100
81) Benzo(a)anthracene	14.045	228	1107235	48.667	ng	99
82) 3,3'-Dichlorobenzidine	14.004	252	326706	49.251	ng	98
83) Chrysene	14.080	228	990517	47.484	ng	99
84) Bis(2-ethylhexyl)phtha...	14.033	149	541828	52.655	ng	100
85) Di-n-octyl phthalate	14.651	149	1033054	55.195	ng	100
87) Indeno(1,2,3-cd)pyrene	17.027	276	1268552	50.463	ng	100
88) Benzo(b)fluoranthene	15.098	252	1079928	45.369	ng	100
89) Benzo(k)fluoranthene	15.127	252	1006425	49.026	ng	99
90) Benzo(a)pyrene	15.468	252	951346	48.573	ng	99
91) Dibenzo(a,h)anthracene	17.045	278	1058119	50.456	ng	100
92) Benzo(g,h,i)perylene	17.480	276	1055618	50.394	ng	99

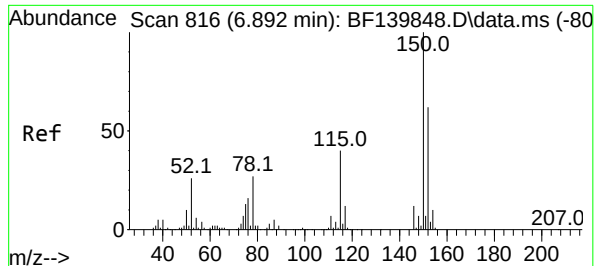
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

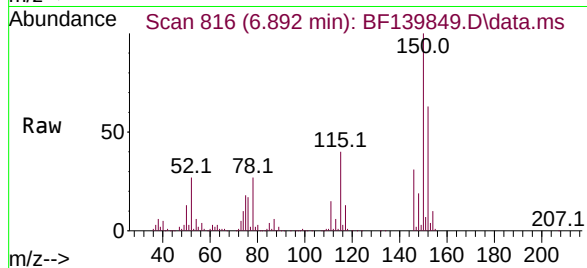
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 816
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

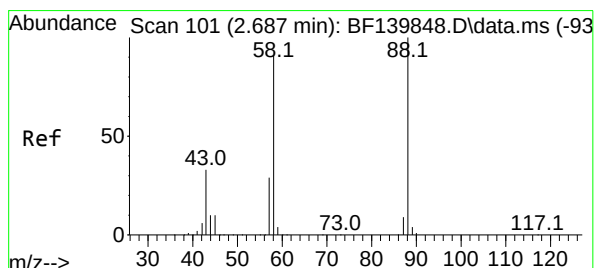
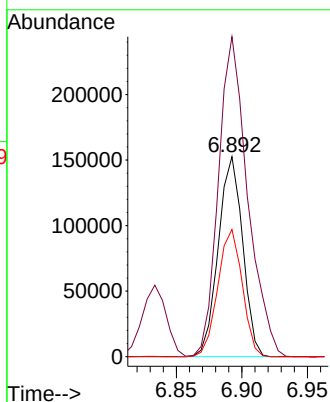
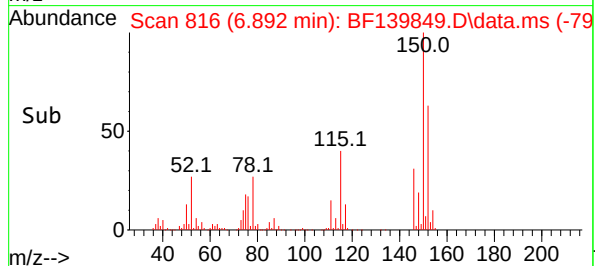
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:152 Resp: 197235
Ion Ratio Lower Upper
152 100
150 160.0 130.2 195.2
115 63.6 51.4 77.2

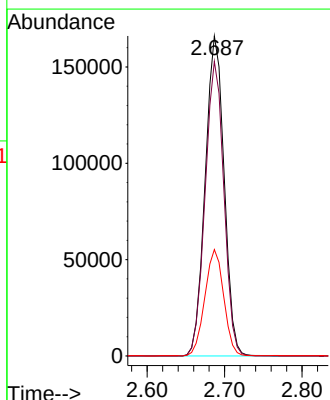
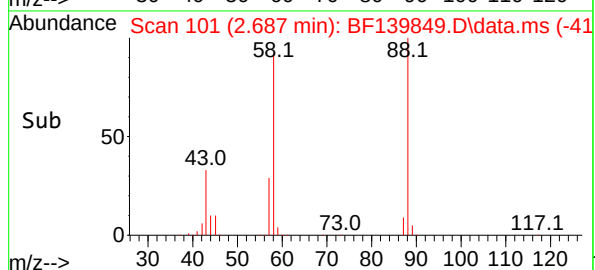
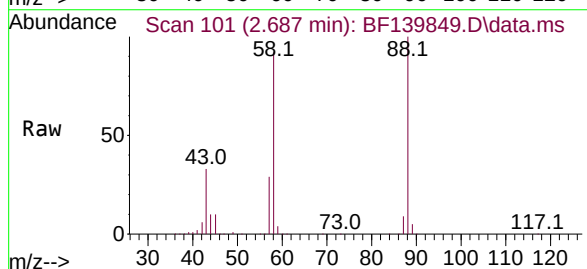
Manual Integrations
APPROVED

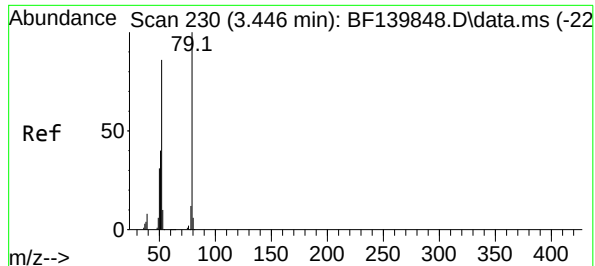
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#2
1,4-Dioxane
Concen: 47.933 ng
RT: 2.687 min Scan# 101
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion: 88 Resp: 281572
Ion Ratio Lower Upper
88 100
58 91.1 73.3 109.9
43 33.2 27.1 40.7





#3

Pyridine

Concen: 46.920 ng

RT: 3.446 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion: 79 Resp: 68317

Ion Ratio Lower Upper

79 100

52 86.6 68.5 102.7

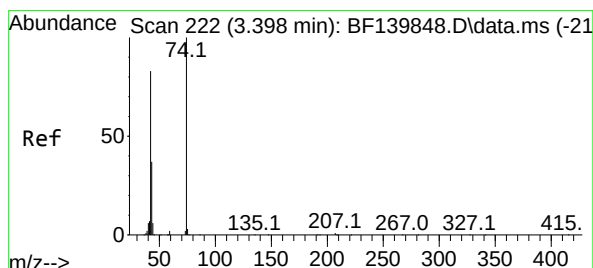
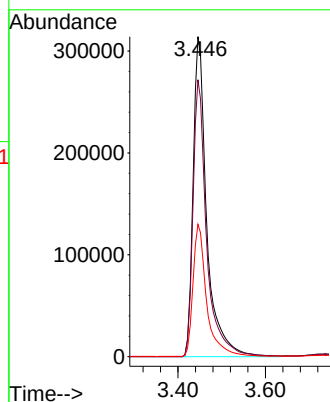
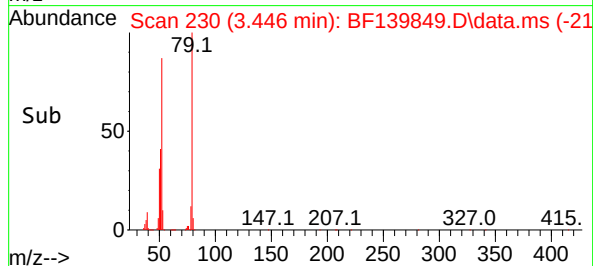
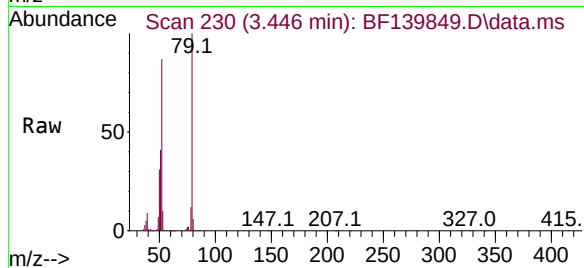
51 41.3 32.3 48.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#4

n-Nitrosodimethylamine

Concen: 49.264 ng

RT: 3.404 min Scan# 223

Delta R.T. 0.006 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

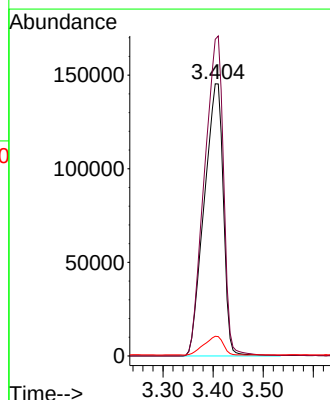
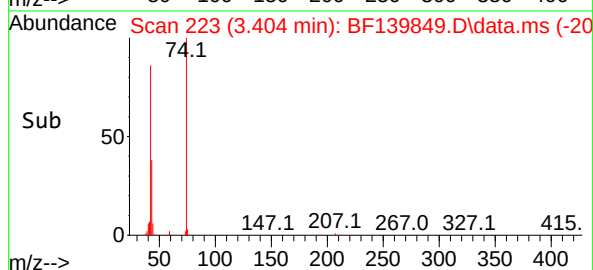
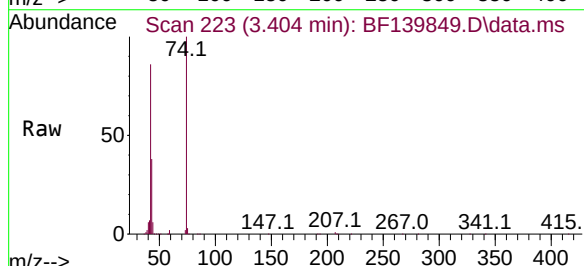
Tgt Ion: 42 Resp: 385387

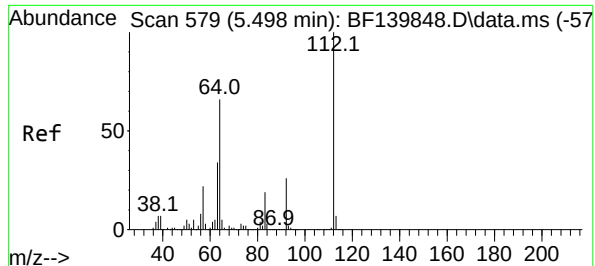
Ion Ratio Lower Upper

42 100

74 116.3 96.2 144.4

44 7.2 6.2 9.2





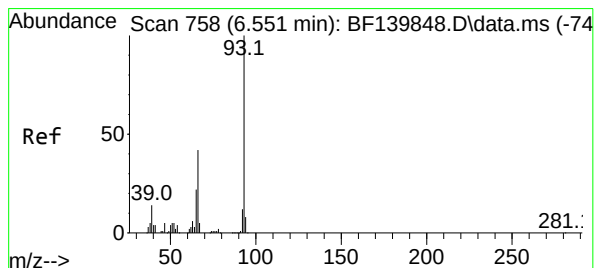
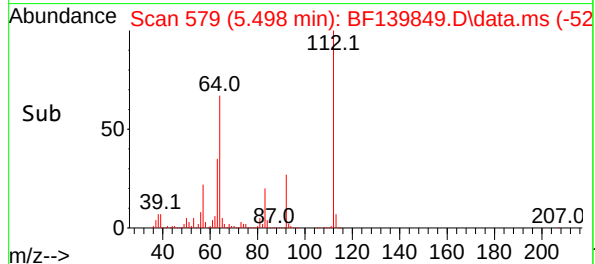
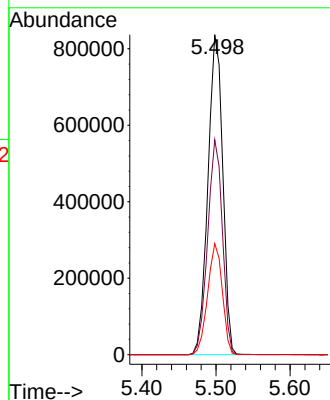
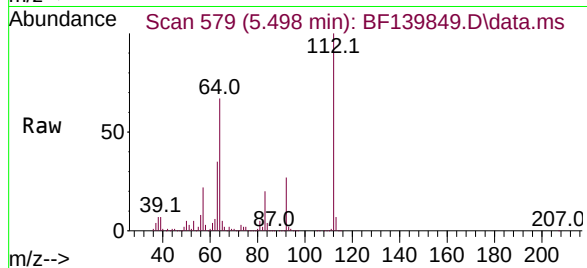
#5
2-Fluorophenol
Concen: 92.295 ng
RT: 5.498 min Scan# 511
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:112 Resp: 1162820
Ion Ratio Lower Upper
112 100
64 67.1 53.0 79.6
63 34.7 27.0 40.4

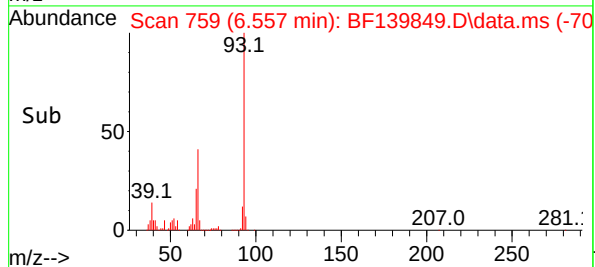
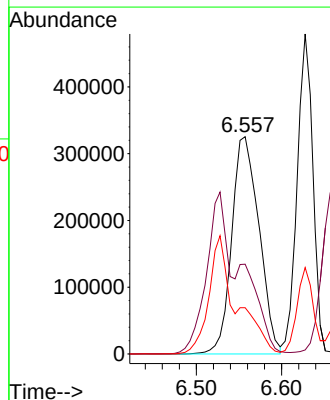
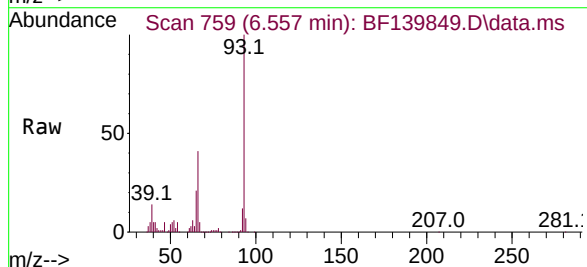
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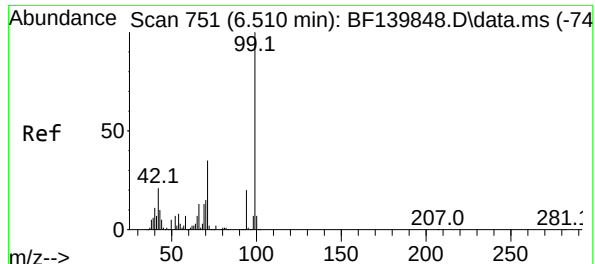
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#6
Aniline
Concen: 47.686 ng
RT: 6.557 min Scan# 759
Delta R.T. 0.006 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

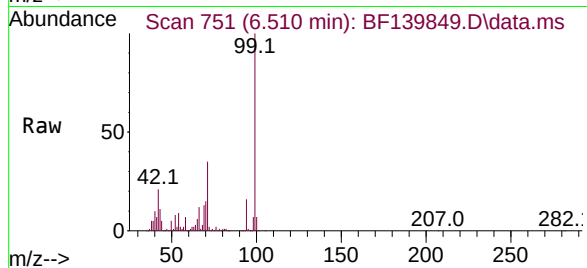
Tgt Ion: 93 Resp: 725204
Ion Ratio Lower Upper
93 100
66 41.3 34.0 51.0
65 21.3 17.4 26.0





#7
Phenol-d6
Concen: 92.972 ng
RT: 6.510 min Scan# 751
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

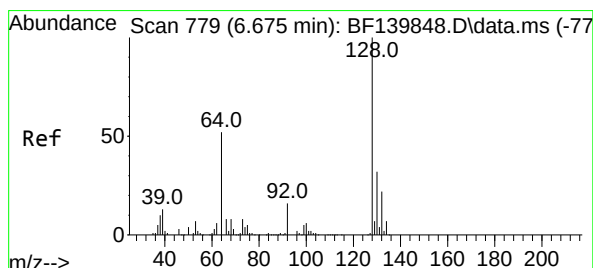
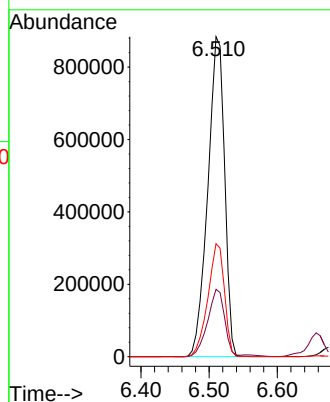
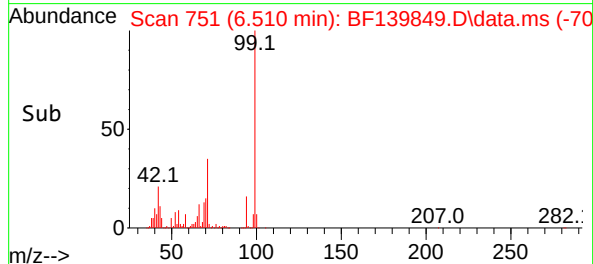
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion: 99 Resp: 1517079
Ion Ratio Lower Upper
99 100
42 21.0 16.7 25.1
71 35.3 27.7 41.5

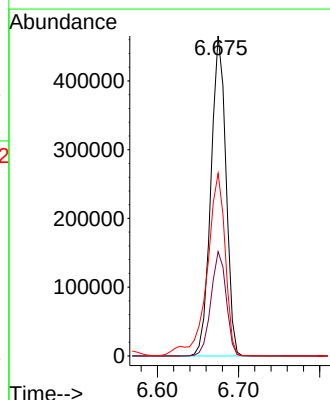
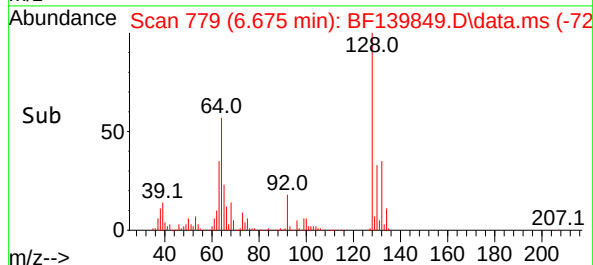
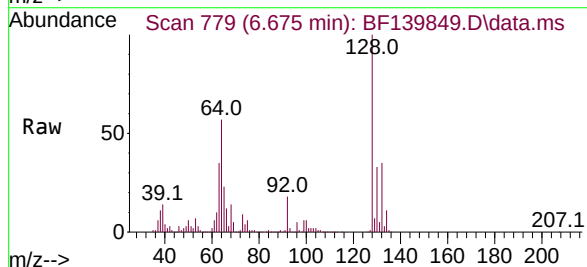
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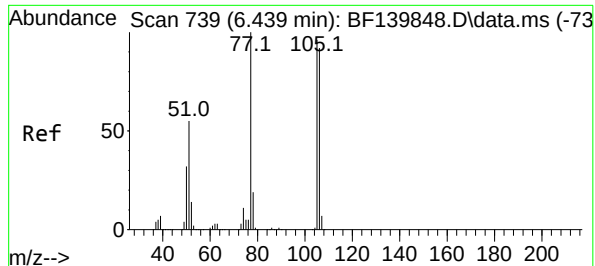
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#8
2-Chlorophenol
Concen: 46.414 ng
RT: 6.675 min Scan# 779
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:128 Resp: 597810
Ion Ratio Lower Upper
128 100
130 32.6 12.3 52.3
64 57.0 34.6 74.6





#9

Benzaldehyde

Concen: 46.911 ng

RT: 6.439 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion: 77 Resp: 43062

Ion Ratio Lower Upper

77 100

105 95.2 75.5 115.5

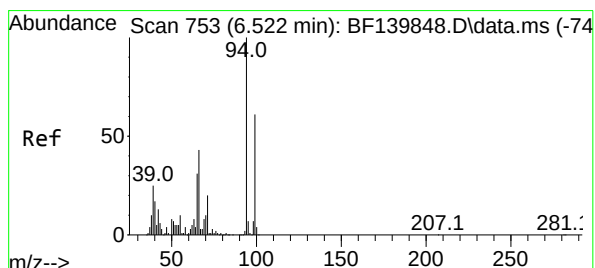
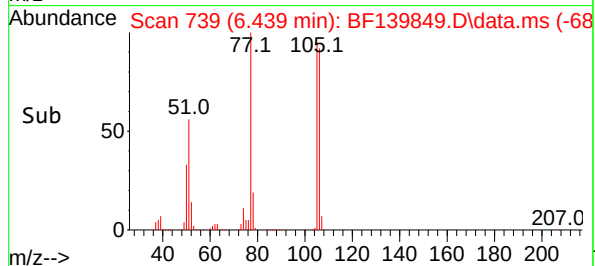
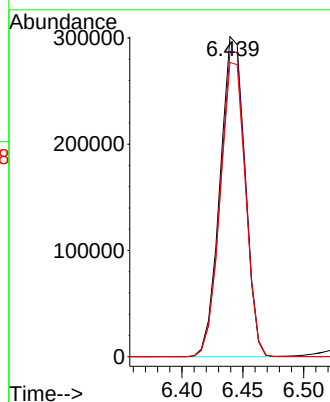
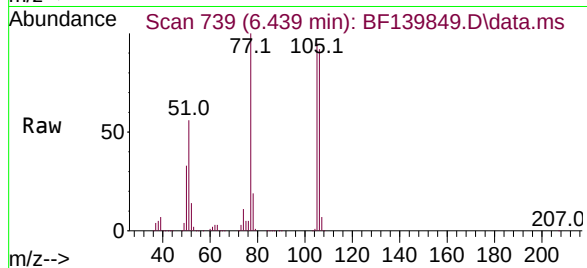
106 92.0 71.7 111.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#10

Phenol

Concen: 45.569 ng m

RT: 6.528 min Scan# 754

Delta R.T. 0.006 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

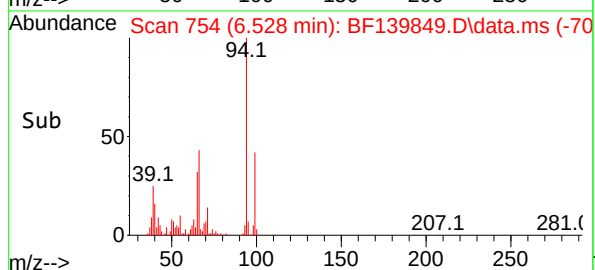
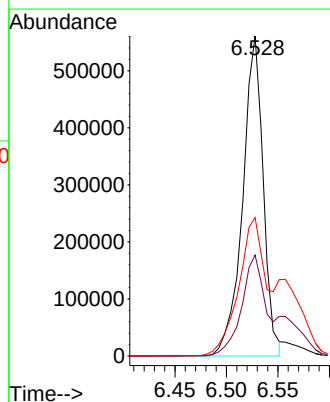
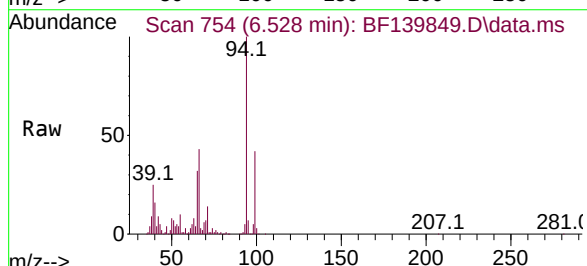
Tgt Ion: 94 Resp: 780406

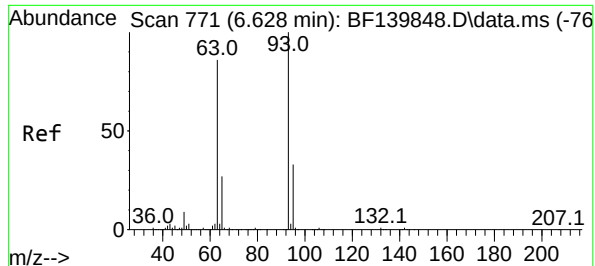
Ion Ratio Lower Upper

94 100

65 31.6 11.1 51.1

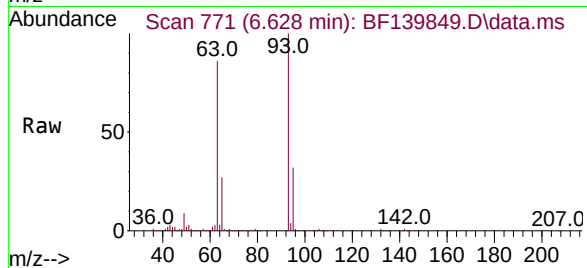
66 43.3 22.7 62.7





#11
bis(2-Chloroethyl)ether
Concen: 47.453 ng
RT: 6.628 min Scan# 771
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

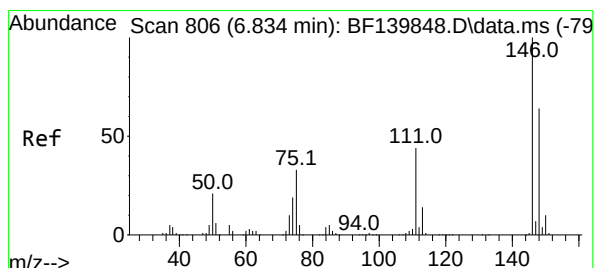
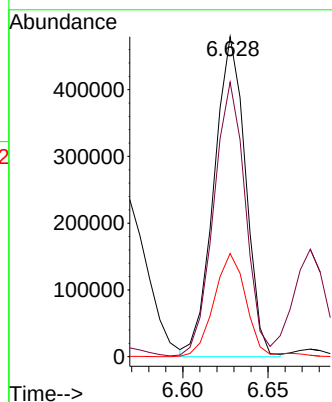
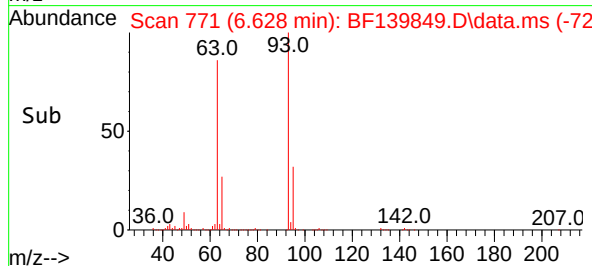
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion: 93 Resp: 617014
Ion Ratio Lower Upper
93 100
63 85.8 65.0 105.0
95 32.2 12.4 52.4

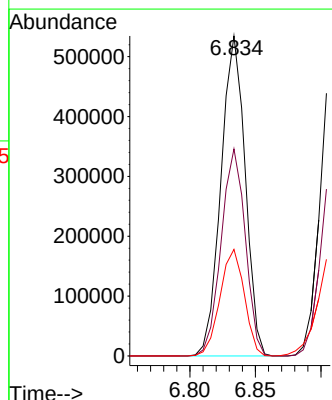
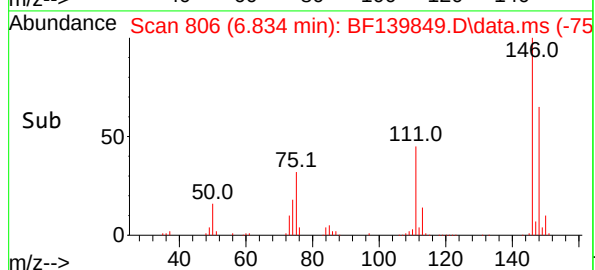
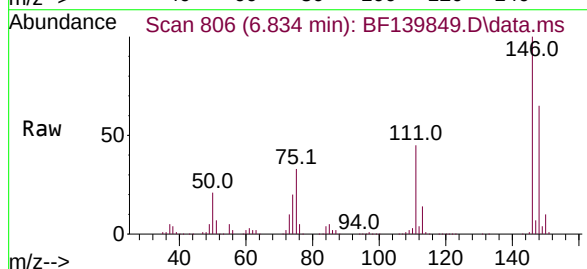
Manual Integrations
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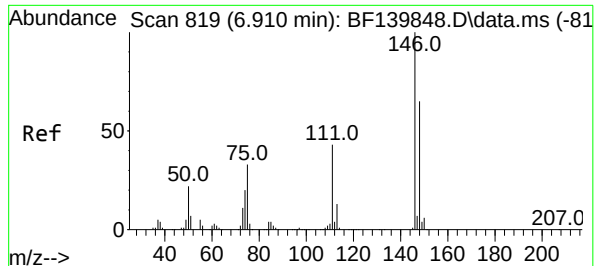
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#12
1,3-Dichlorobenzene
Concen: 46.439 ng
RT: 6.834 min Scan# 806
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:146 Resp: 686600
Ion Ratio Lower Upper
146 100
148 64.7 51.0 76.4
75 33.3 26.4 39.6





#13

1,4-Dichlorobenzene

Concen: 46.483 ng

RT: 6.910 min Scan# 819

Delta R.T. 0.000 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:146 Resp: 686610

Ion Ratio Lower Upper

146 100

148 64.1 51.8 77.8

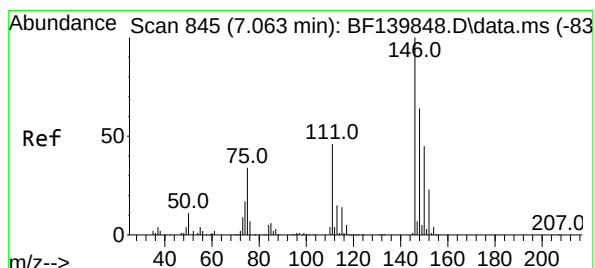
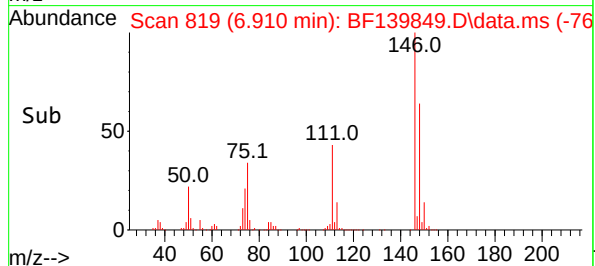
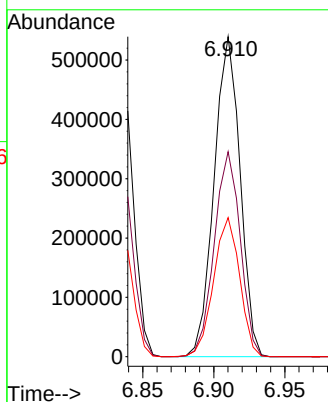
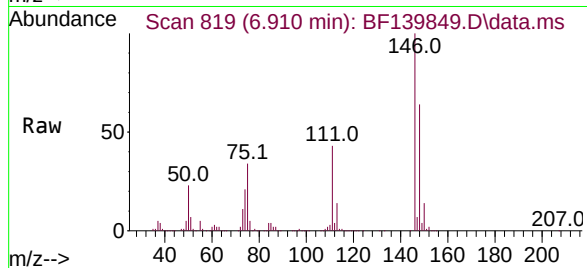
111 43.4 34.6 51.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#14

1,2-Dichlorobenzene

Concen: 45.543 ng

RT: 7.063 min Scan# 845

Delta R.T. 0.000 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

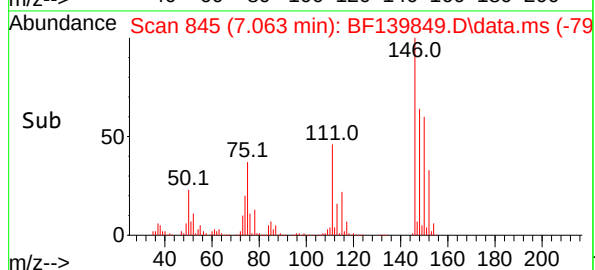
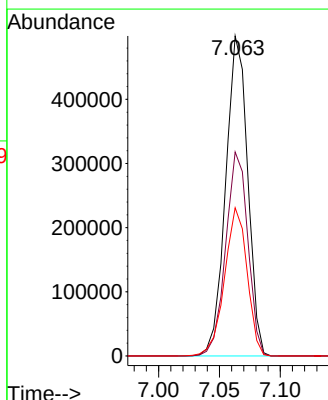
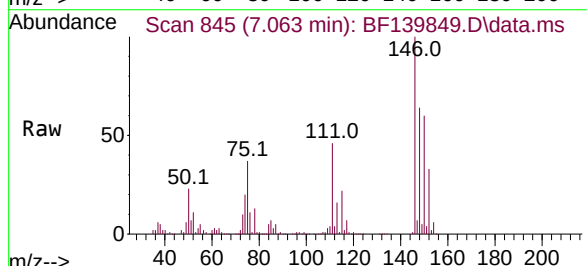
Tgt Ion:146 Resp: 627851

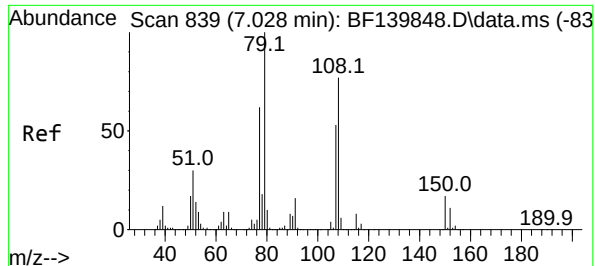
Ion Ratio Lower Upper

146 100

148 63.7 51.4 77.2

111 46.3 36.7 55.1





#15

Benzyl Alcohol

Concen: 47.538 ng

RT: 7.028 min Scan# 839

Delta R.T. 0.000 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion: 79 Resp: 569012

Ion Ratio Lower Upper

79 100

108 75.3 61.4 92.0

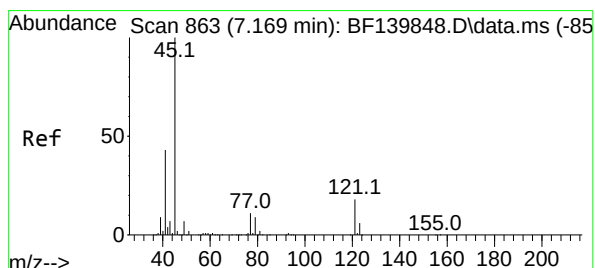
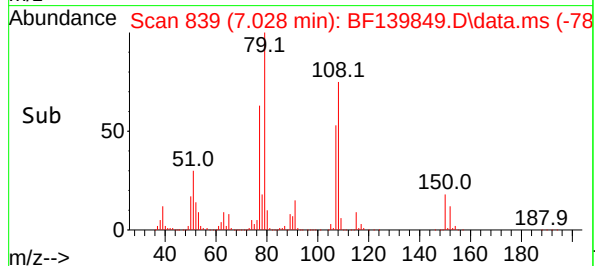
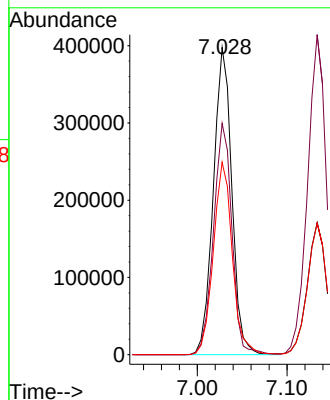
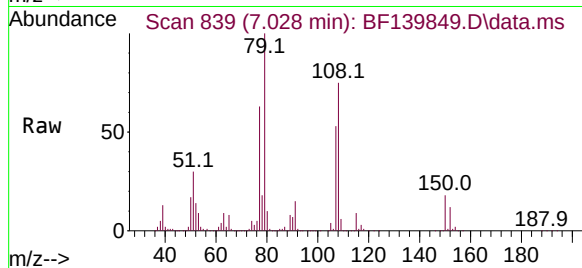
77 62.7 49.9 74.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#16

2,2'-oxybis(1-Chloropropane)

Concen: 47.084 ng

RT: 7.169 min Scan# 863

Delta R.T. 0.000 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

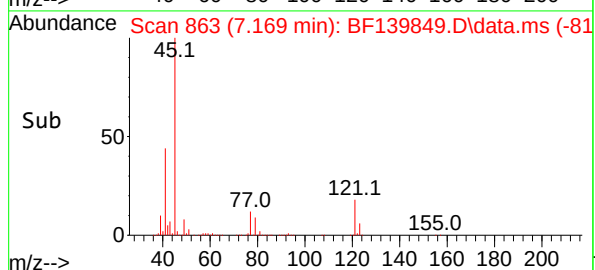
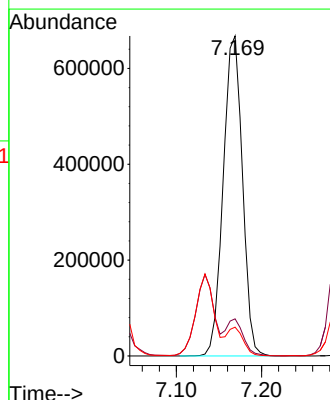
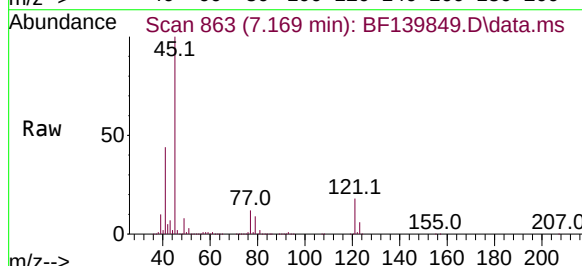
Tgt Ion: 45 Resp: 1043921

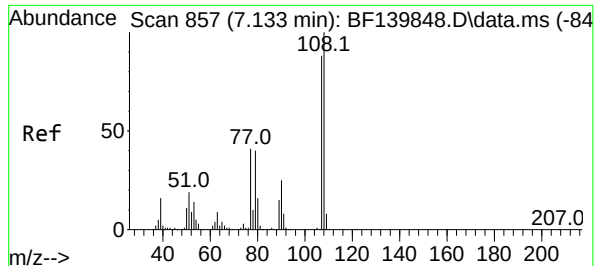
Ion Ratio Lower Upper

45 100

77 11.6 0.0 31.5

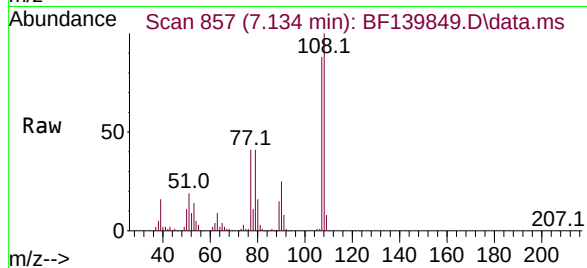
79 9.0 0.0 29.1





#17
2-Methylphenol
Concen: 47.259 ng
RT: 7.134 min Scan# 857
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

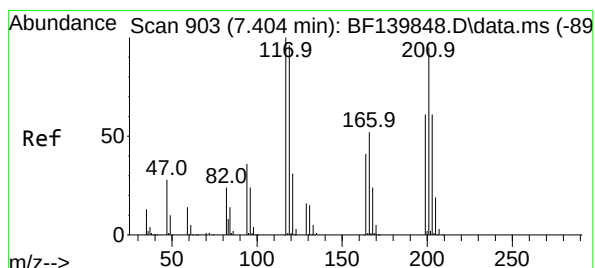
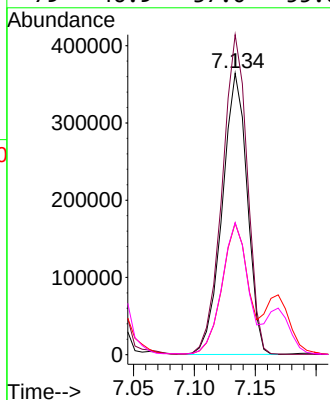
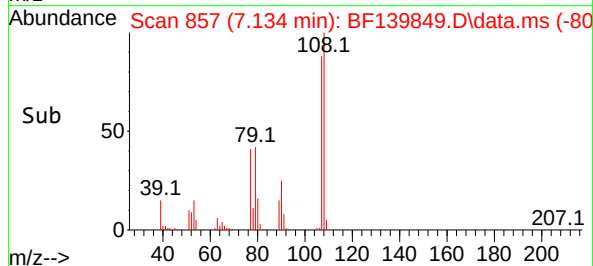
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:107 Resp: 51903
Ion Ratio Lower Upper
107 100
108 113.7 91.3 136.9
77 46.7 37.1 55.7
79 46.9 37.0 55.6

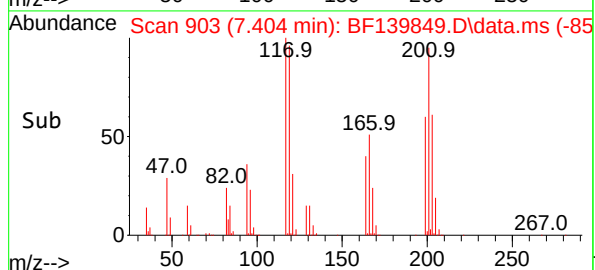
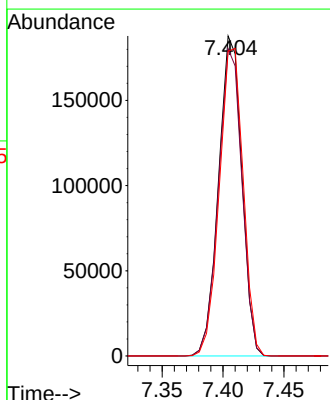
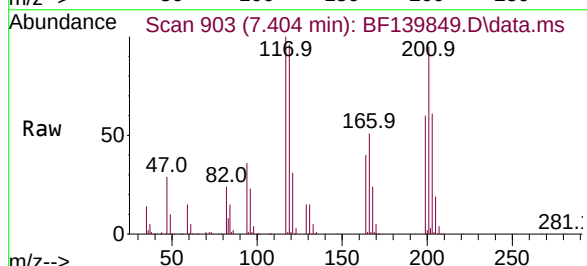
Manual Integrations
APPROVED

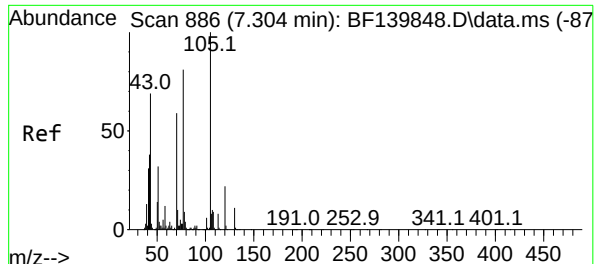
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#18
Hexachloroethane
Concen: 47.480 ng
RT: 7.404 min Scan# 903
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

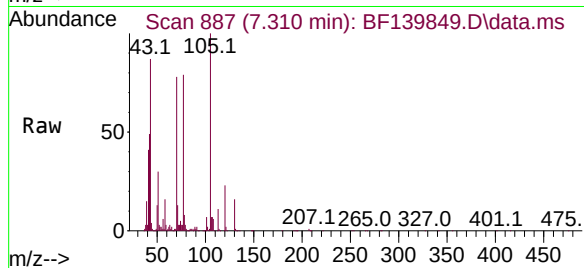
Tgt Ion:117 Resp: 250100
Ion Ratio Lower Upper
117 100
119 96.0 77.0 115.4
201 95.3 76.2 114.4





#19
n-Nitroso-di-n-propylamine
Concen: 45.892 ng
RT: 7.310 min Scan# 886
Delta R.T. 0.006 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

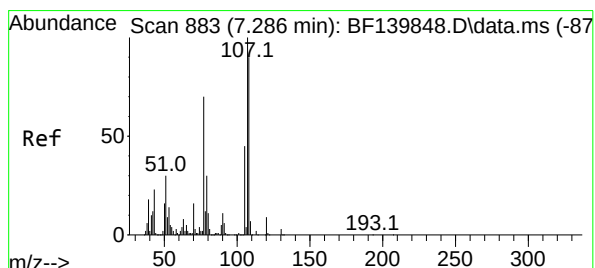
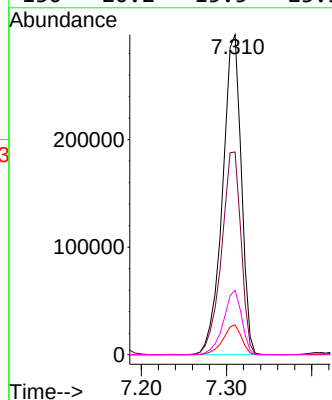
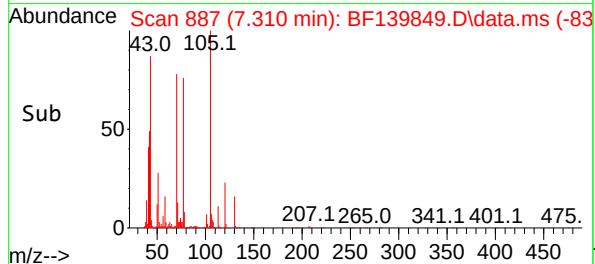
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion: 70 Resp: 45417
Ion Ratio Lower Upper
70 100
42 63.4 51.5 77.3
101 9.3 7.5 11.3
130 20.2 15.5 23.3

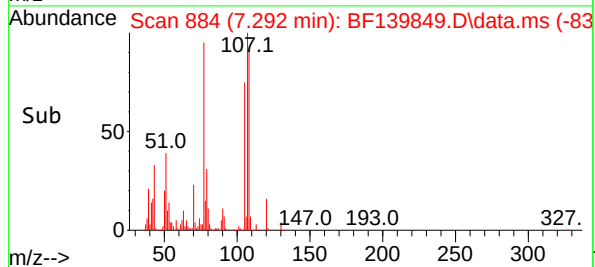
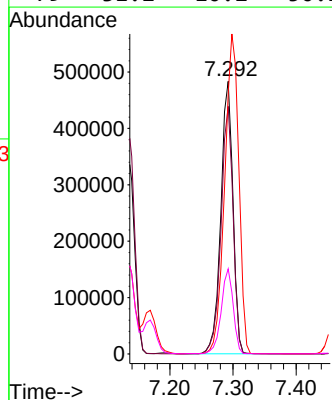
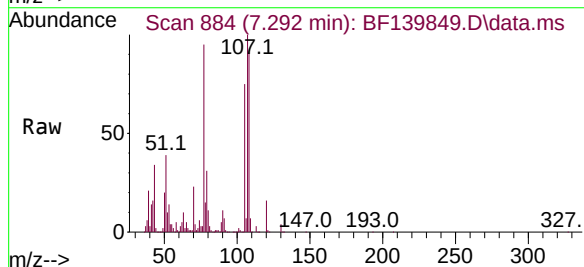
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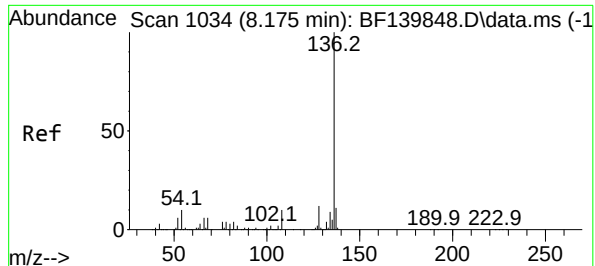
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#20
3+4-Methylphenols
Concen: 45.961 ng
RT: 7.292 min Scan# 884
Delta R.T. 0.006 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:107 Resp: 645650
Ion Ratio Lower Upper
107 100
108 90.8 69.8 109.8
77 95.4 50.5 90.5#
79 31.2 10.2 50.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.175 min Scan# 1034

Delta R.T. 0.000 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:136 Resp: 73966

Ion Ratio Lower Upper

136 100

137 11.2 8.6 12.8

54 10.6 8.4 12.6

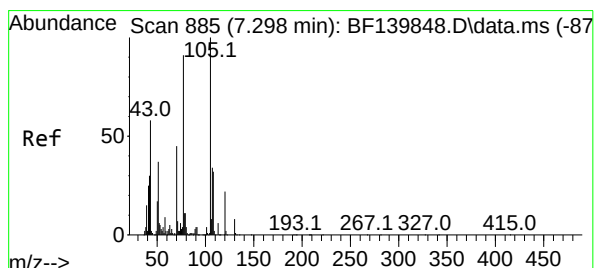
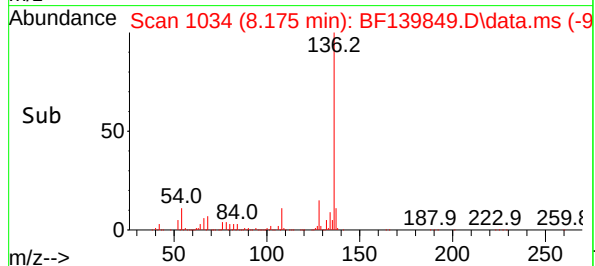
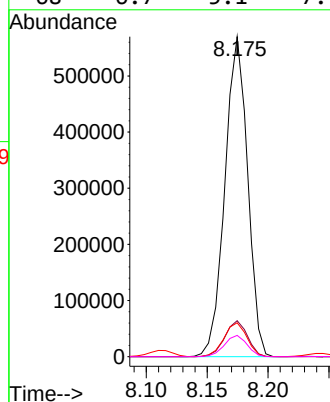
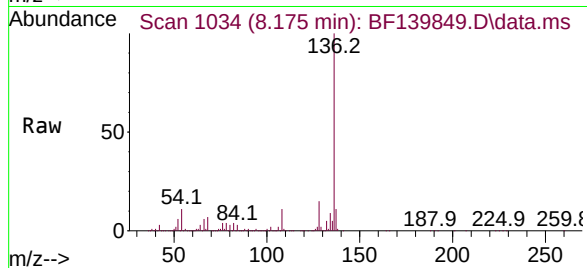
68 6.7 5.1 7.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#22

Acetophenone

Concen: 46.140 ng

RT: 7.304 min Scan# 886

Delta R.T. 0.006 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

Tgt Ion:105 Resp: 835908

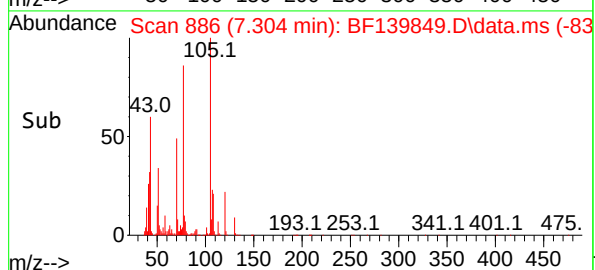
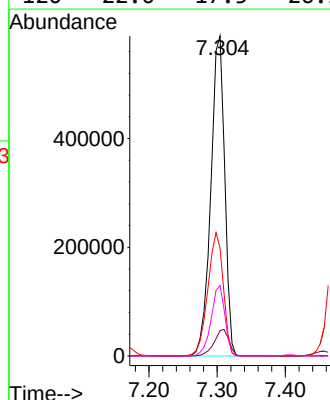
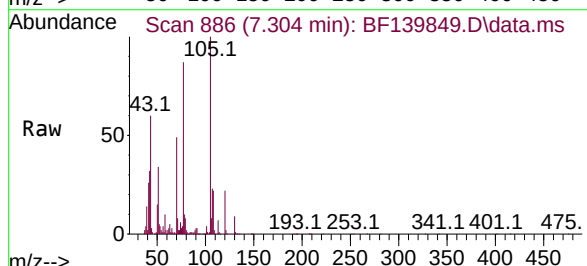
Ion Ratio Lower Upper

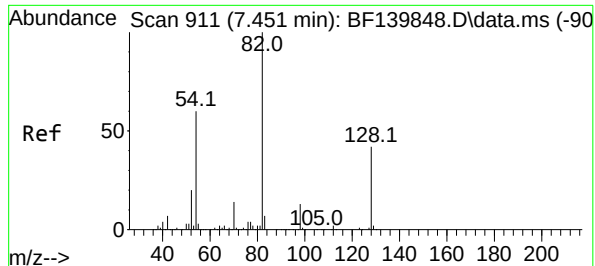
105 100

71 7.9 5.9 8.9

51 33.7 29.4 44.2

120 22.0 17.5 26.3





#23

Nitrobenzene-d5

Concen: 98.193 ng

RT: 7.457 min Scan# 911

Delta R.T. 0.006 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion: 82 Resp: 1310450

Ion Ratio Lower Upper

82 100

128 42.2 33.4 50.0

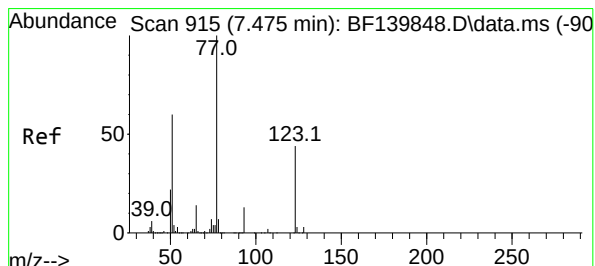
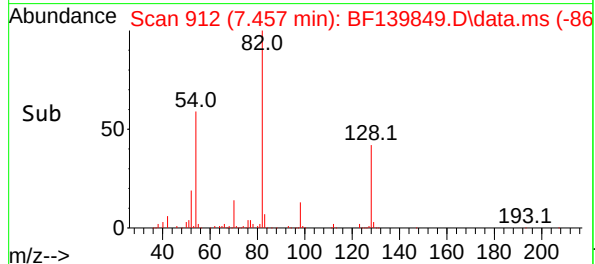
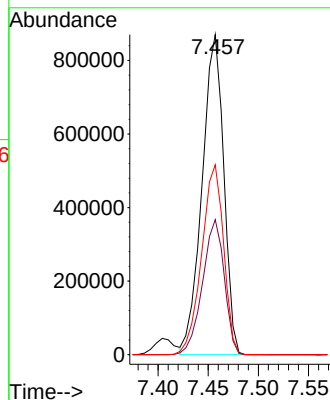
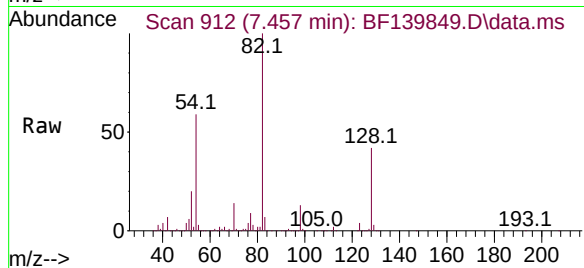
54 59.3 47.8 71.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#24

Nitrobenzene

Concen: 48.385 ng

RT: 7.475 min Scan# 915

Delta R.T. 0.000 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

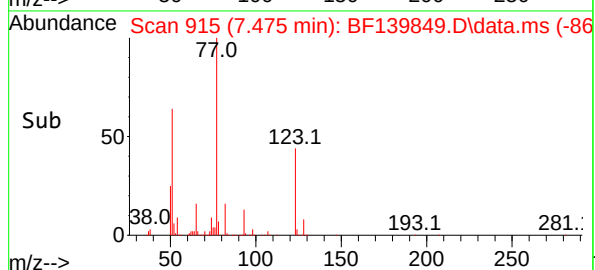
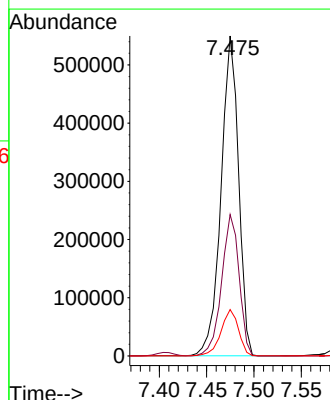
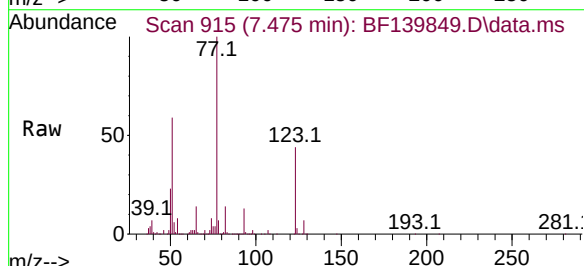
Tgt Ion: 77 Resp: 707970

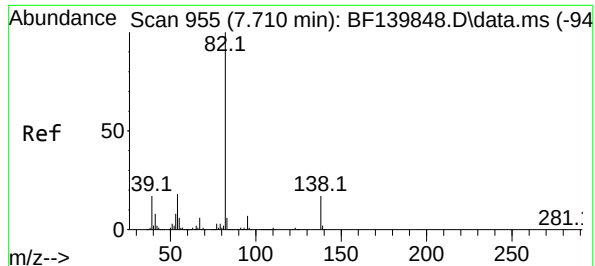
Ion Ratio Lower Upper

77 100

123 44.2 35.7 53.5

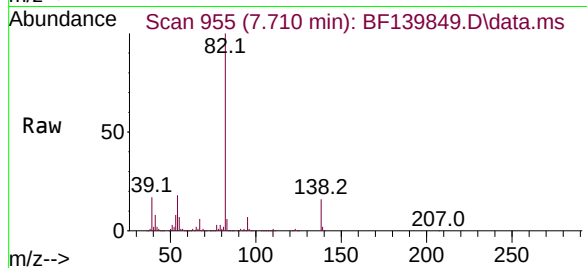
65 14.5 11.5 17.3





#25
Isophorone
Concen: 47.583 ng
RT: 7.710 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

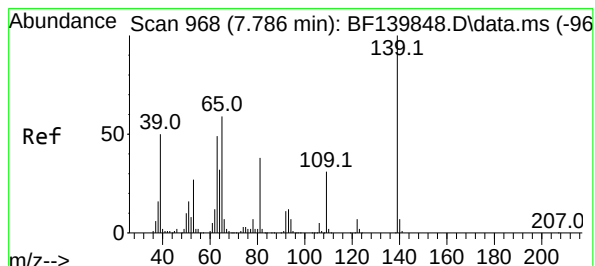
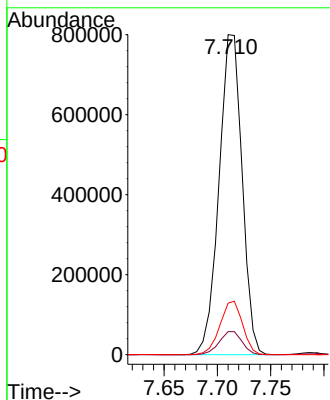
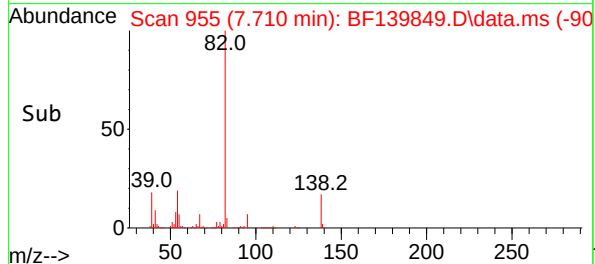
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion: 82 Resp: 120527
Ion Ratio Lower Upper
82 100
95 7.2 5.5 8.3
138 16.1 13.2 19.8

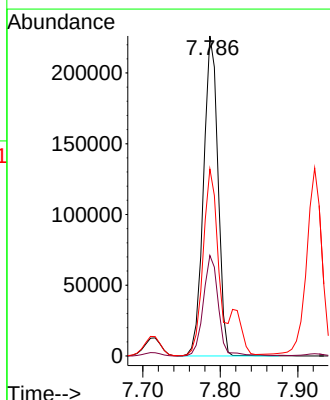
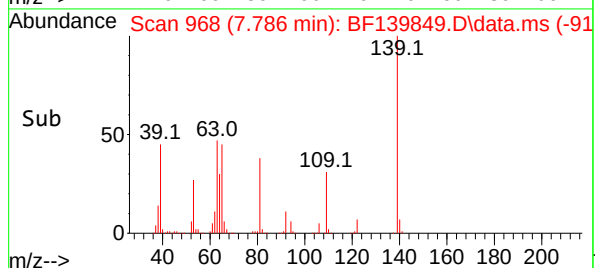
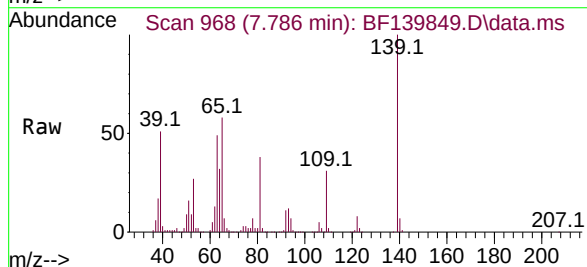
Manual Integrations
APPROVED

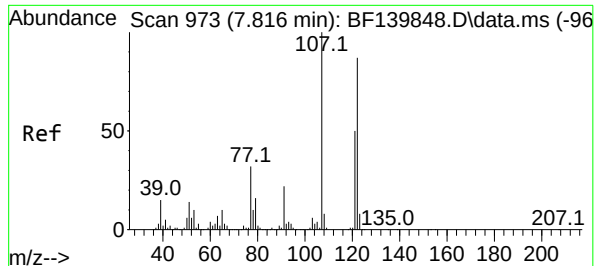
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#26
2-Nitrophenol
Concen: 53.013 ng
RT: 7.786 min Scan# 968
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:139 Resp: 292634
Ion Ratio Lower Upper
139 100
109 31.4 25.1 37.7
65 58.4 47.5 71.3





#27

2,4-Dimethylphenol

Concen: 47.699 ng

RT: 7.822 min Scan# 91

Delta R.T. 0.006 min

Lab File: BF139849.D

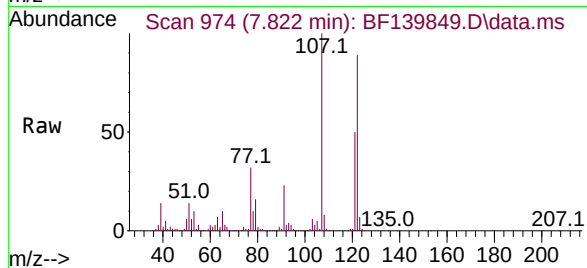
Acq: 18 Oct 2024 12:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC050



Tgt Ion:122 Resp: 439040

Ion Ratio Lower Upper

122 100

107 113.0 91.9 137.9

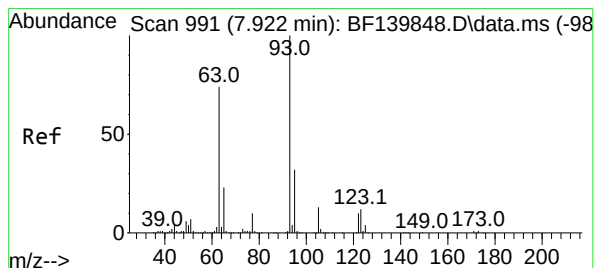
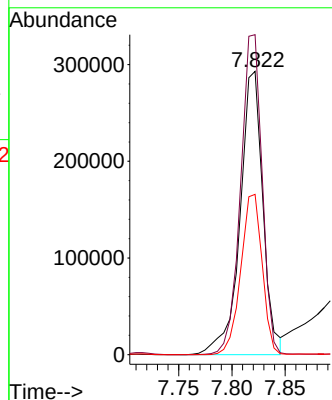
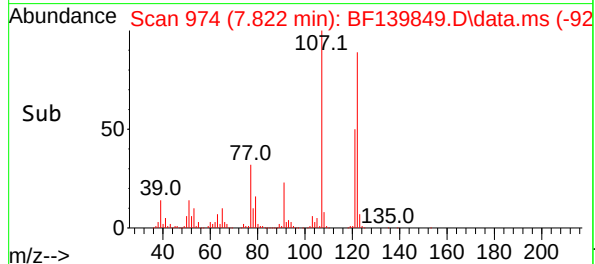
121 56.6 46.2 69.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#28

bis(2-Chloroethoxy)methane

Concen: 47.500 ng

RT: 7.922 min Scan# 991

Delta R.T. 0.000 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

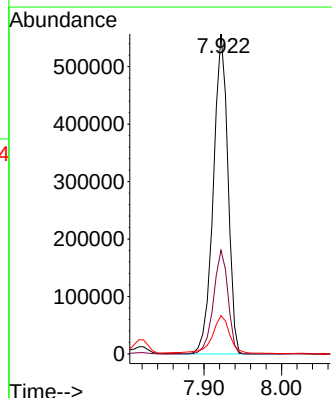
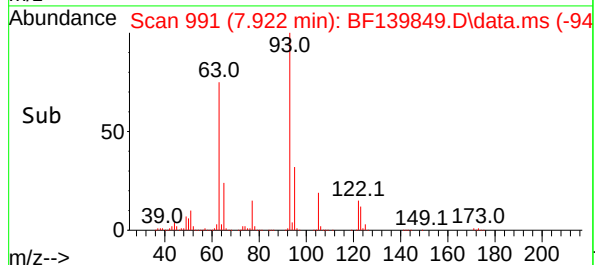
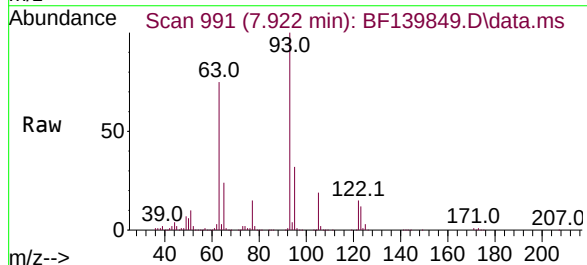
Tgt Ion: 93 Resp: 728968

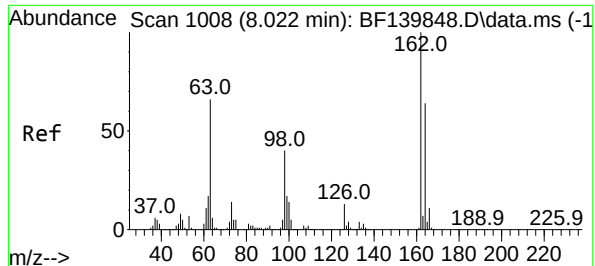
Ion Ratio Lower Upper

93 100

95 32.4 26.0 39.0

123 12.0 9.8 14.8





#29

2,4-Dichlorophenol

Concen: 47.971 ng

RT: 8.028 min Scan# 1008

Delta R.T. 0.006 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:162 Resp: 502930

Ion Ratio Lower Upper

162 100

164 65.3 43.9 83.9

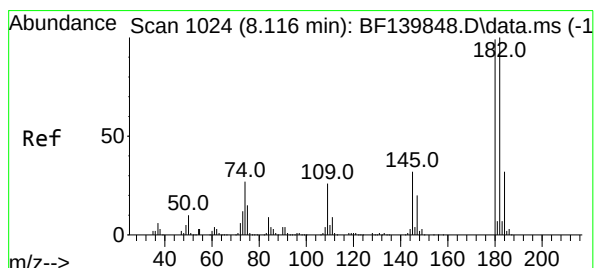
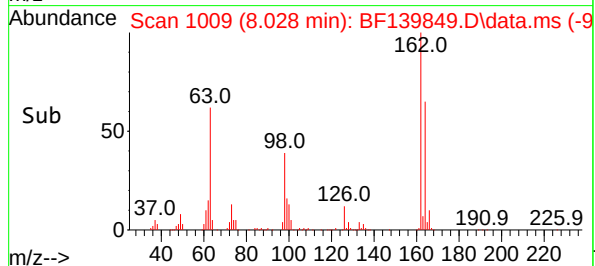
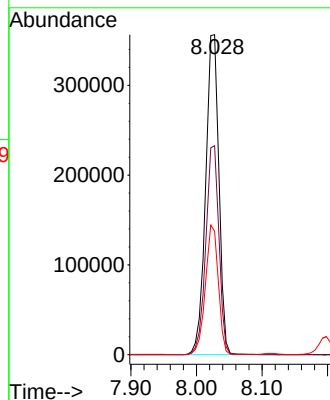
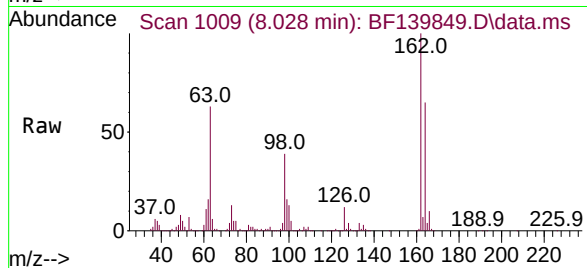
98 38.6 19.9 59.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#30

1,2,4-Trichlorobenzene

Concen: 47.476 ng

RT: 8.116 min Scan# 1024

Delta R.T. 0.000 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

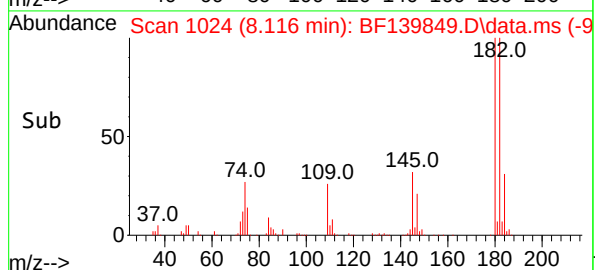
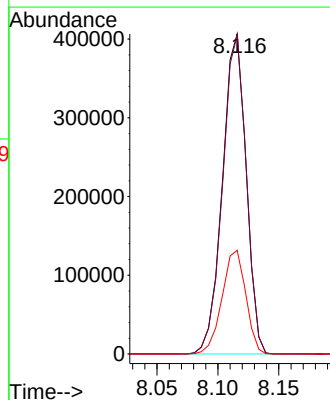
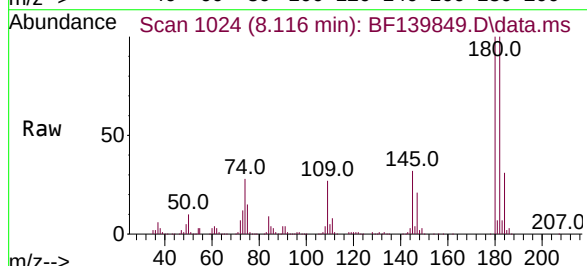
Tgt Ion:180 Resp: 550757

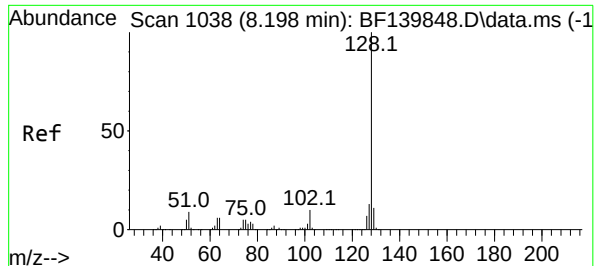
Ion Ratio Lower Upper

180 100

182 99.7 80.5 120.7

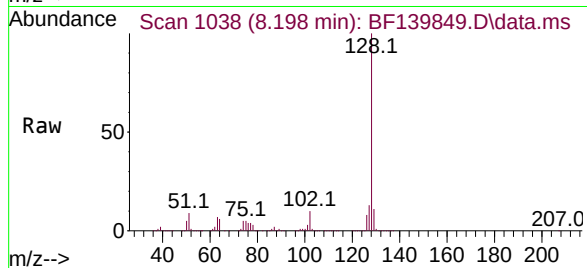
145 32.4 25.4 38.0





#31
Naphthalene
Concen: 46.415 ng
RT: 8.198 min Scan# 1038
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

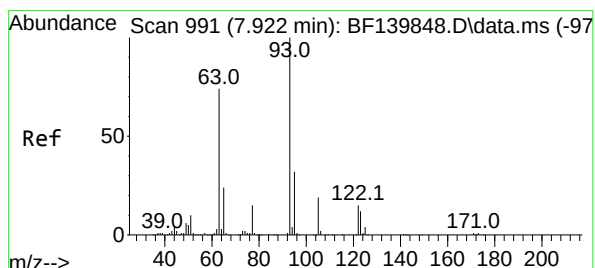
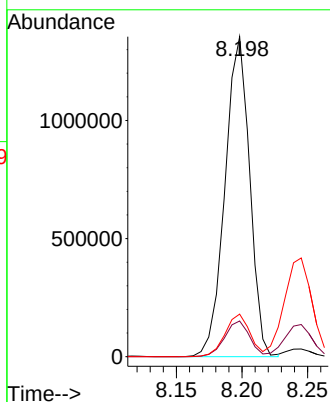
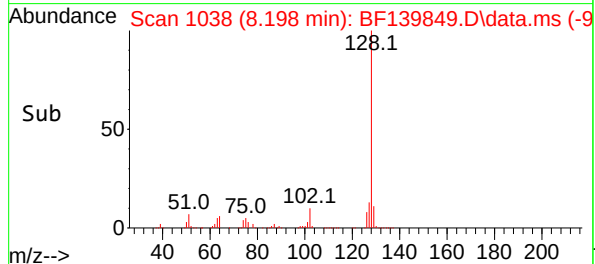
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:128 Resp: 1770610
Ion Ratio Lower Upper
128 100
129 11.2 8.9 13.3
127 13.3 10.6 16.0

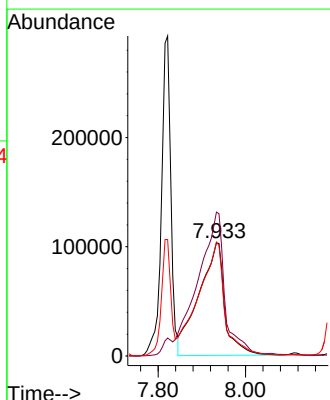
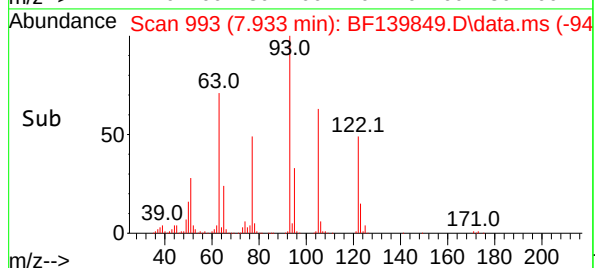
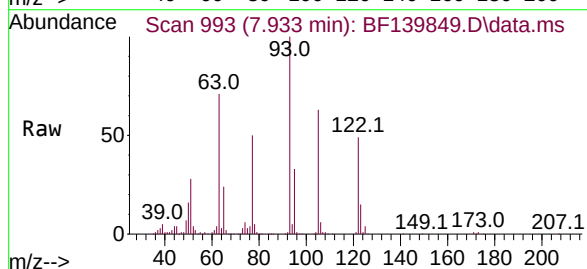
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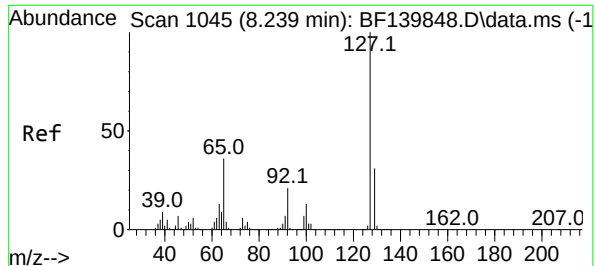
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#32
Benzoic acid
Concen: 53.131 ng
RT: 7.933 min Scan# 993
Delta R.T. 0.011 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

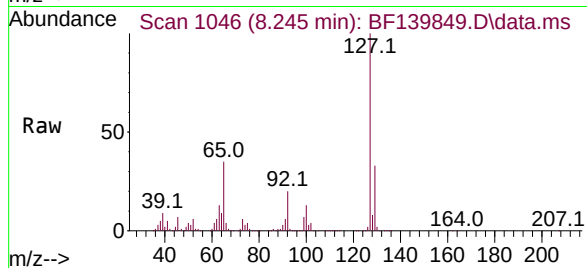
Tgt Ion:122 Resp: 426532
Ion Ratio Lower Upper
122 100
105 127.2 107.6 147.6
77 100.6 80.2 120.2





#33
4-Chloroaniline
Concen: 47.189 ng
RT: 8.245 min Scan# 1045
Delta R.T. 0.006 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

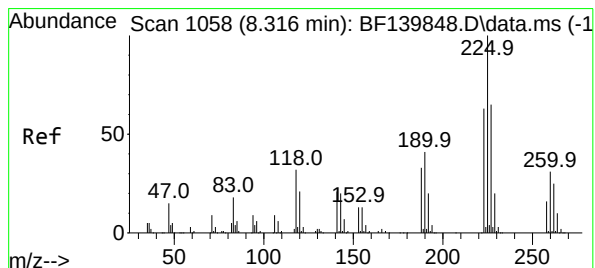
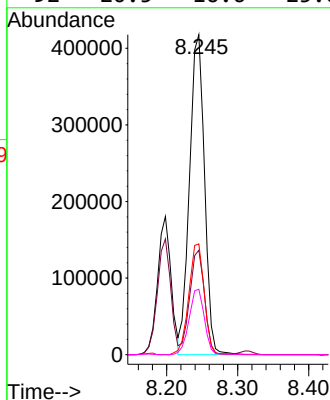
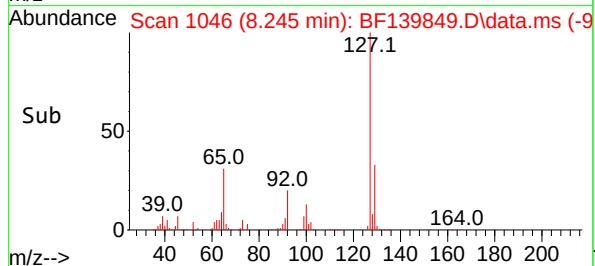
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:127 Resp: 61382
Ion Ratio Lower Upper
127 100
129 32.7 25.4 38.2
65 34.6 28.4 42.6
92 20.5 16.6 25.0

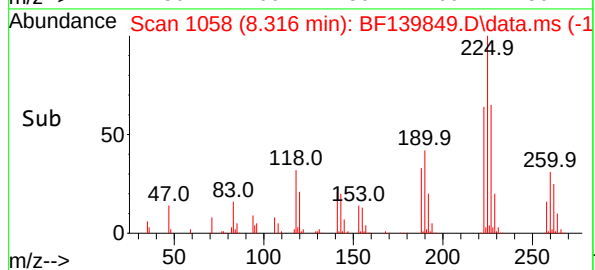
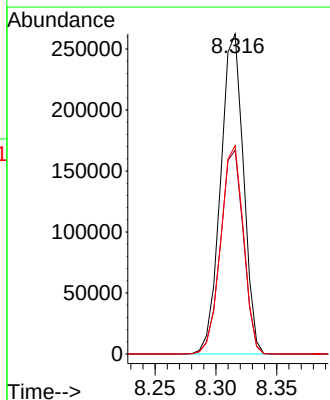
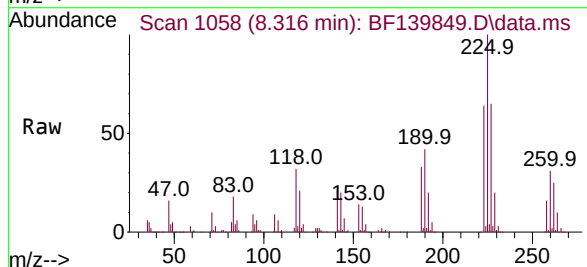
Manual Integrations
APPROVED

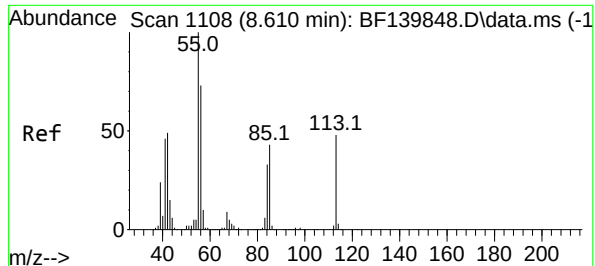
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#34
Hexachlorobutadiene
Concen: 47.058 ng
RT: 8.316 min Scan# 1058
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:225 Resp: 343002
Ion Ratio Lower Upper
225 100
223 63.7 50.6 76.0
227 65.1 51.8 77.8





#35

Caprolactam

Concen: 48.675 ng

RT: 8.616 min Scan# 1108

Delta R.T. 0.006 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:113 Resp: 162260

Ion Ratio Lower Upper

113 100

55 208.2 189.2 229.2

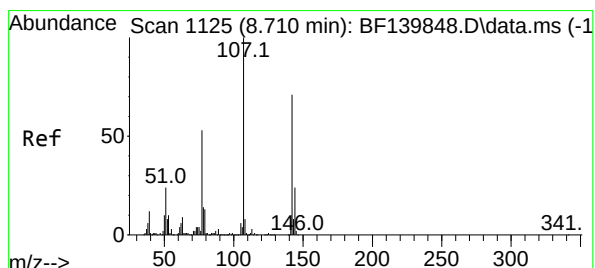
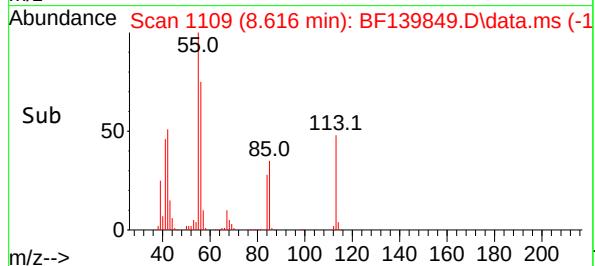
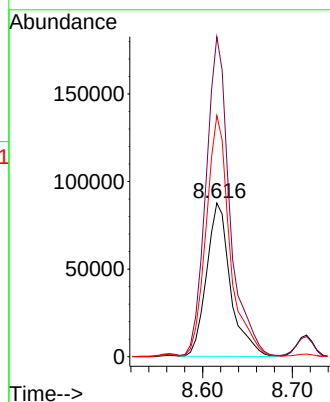
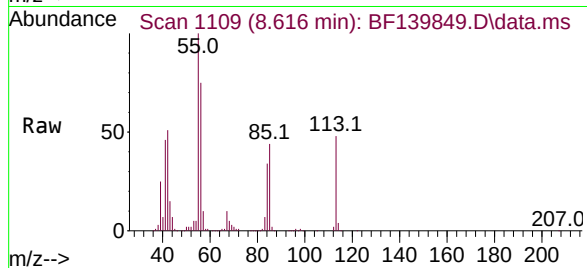
56 157.0 132.5 172.5

Manual Integrations

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Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#36

4-Chloro-3-methylphenol

Concen: 47.678 ng

RT: 8.716 min Scan# 1126

Delta R.T. 0.006 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

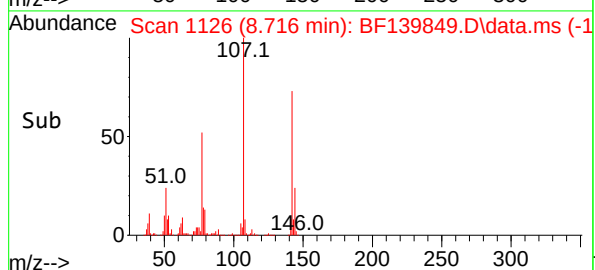
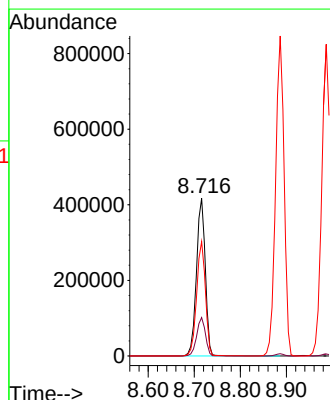
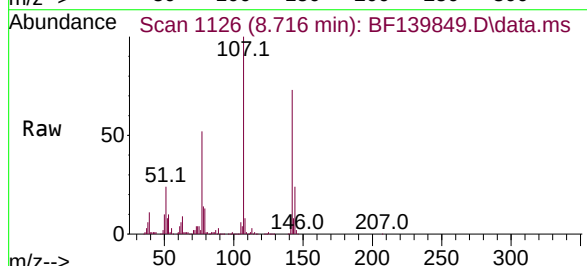
Tgt Ion:107 Resp: 553487

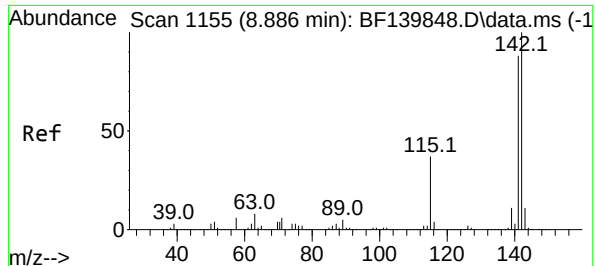
Ion Ratio Lower Upper

107 100

144 24.3 19.1 28.7

142 72.6 57.2 85.8





#37

2-Methylnaphthalene

Concen: 46.462 ng

RT: 8.886 min Scan# 1155

Delta R.T. 0.000 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:142 Resp: 108549

Ion Ratio Lower Upper

142 100

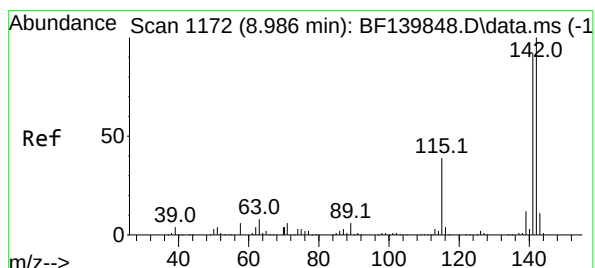
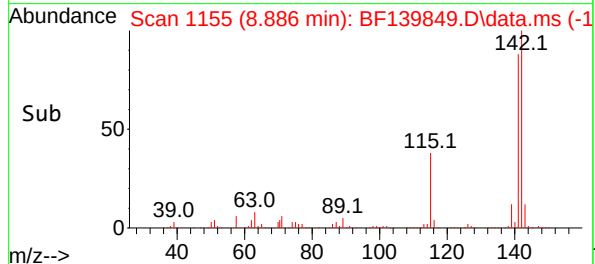
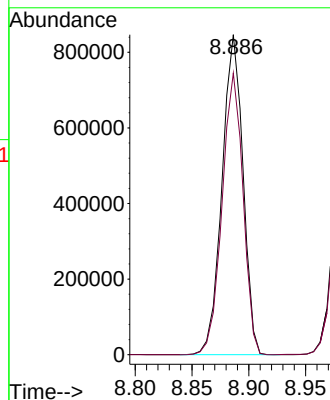
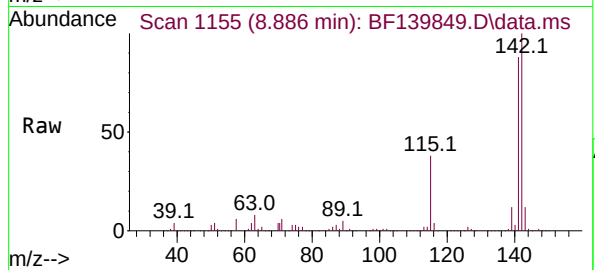
141 88.0 70.8 106.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#38

1-Methylnaphthalene

Concen: 45.933 ng

RT: 8.986 min Scan# 1172

Delta R.T. 0.000 min

Lab File: BF139849.D

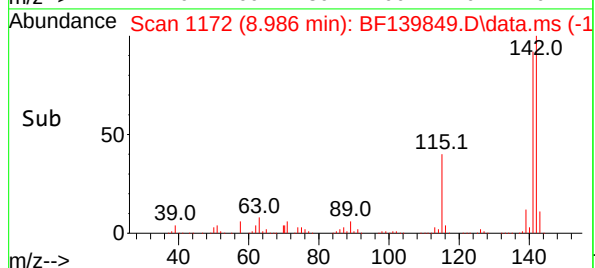
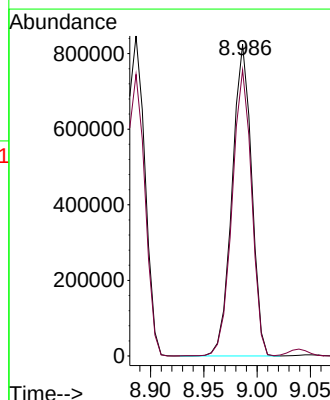
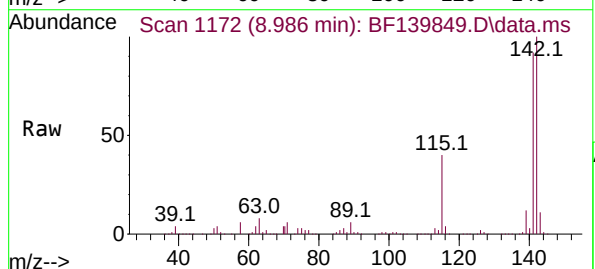
Acq: 18 Oct 2024 12:49

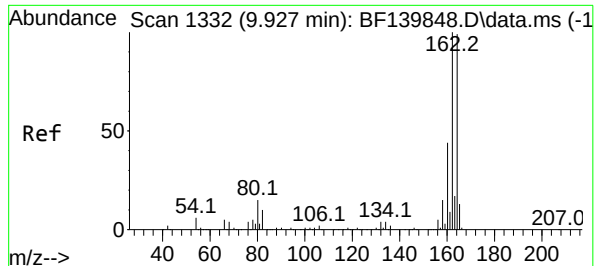
Tgt Ion:142 Resp: 1052879

Ion Ratio Lower Upper

142 100

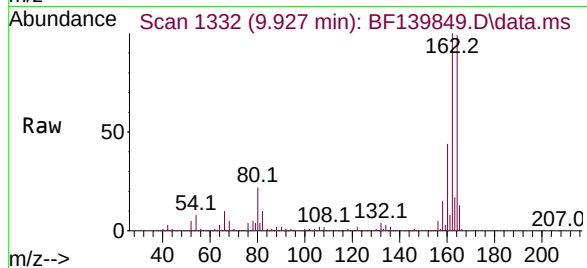
141 91.8 73.5 110.3





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.927 min Scan# 1132
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

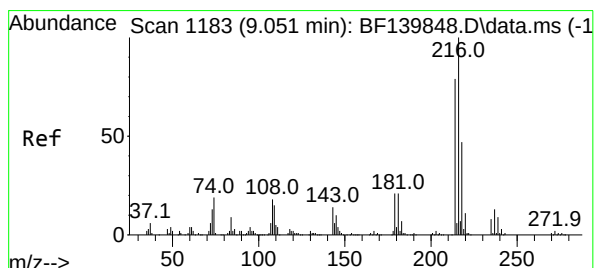
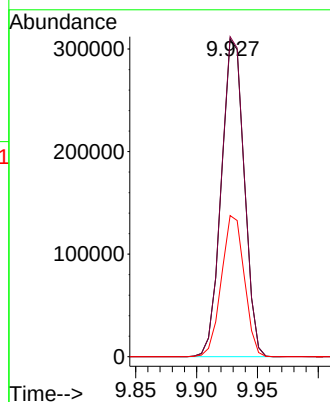
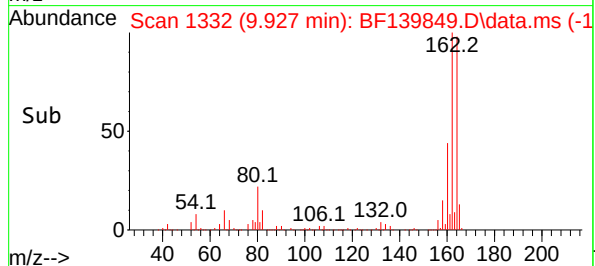
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:164 Resp: 405194
Ion Ratio Lower Upper
164 100
162 100.7 81.0 121.4
160 44.4 35.4 53.0

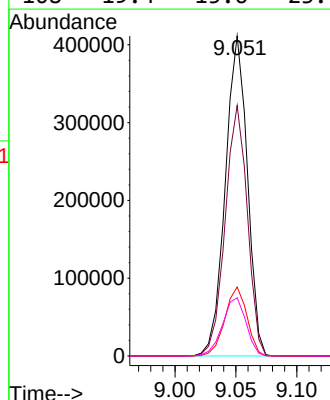
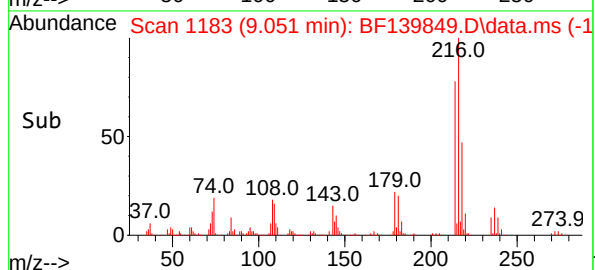
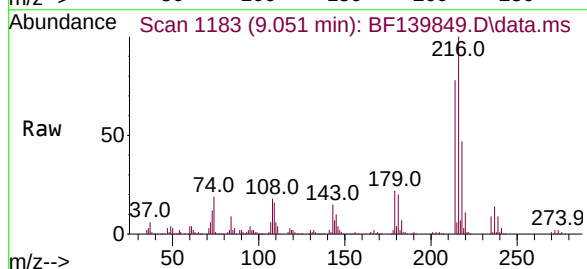
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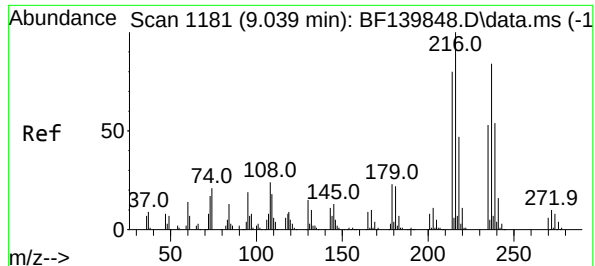
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#40
1,2,4,5-Tetrachlorobenzene
Concen: 47.474 ng
RT: 9.051 min Scan# 1183
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

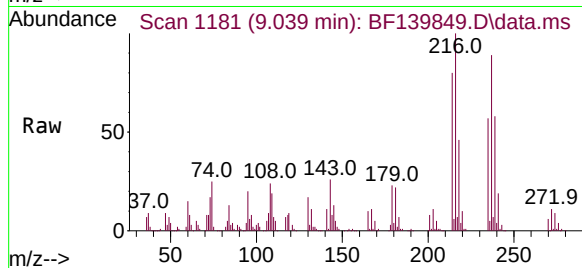
Tgt Ion:216 Resp: 518960
Ion Ratio Lower Upper
216 100
214 78.3 63.4 95.0
179 21.5 17.2 25.8
108 19.4 15.6 23.4





#41
Hexachlorocyclopentadiene
Concen: 49.488 ng
RT: 9.039 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

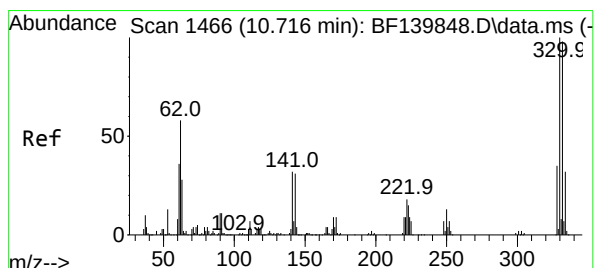
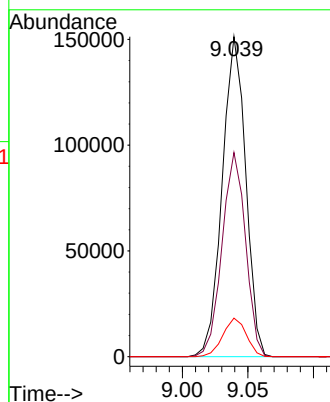
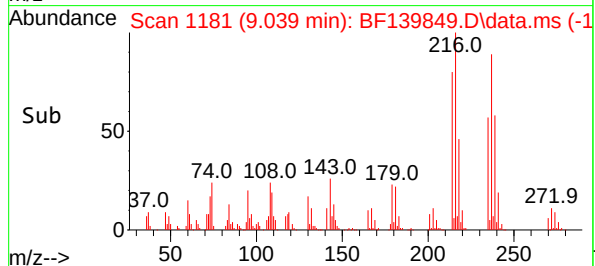
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



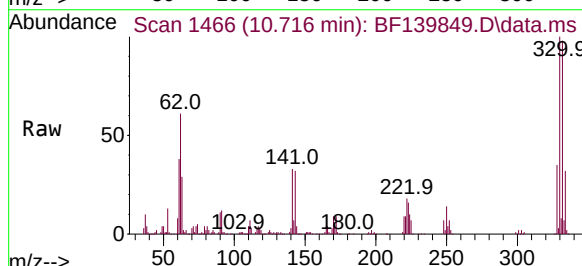
Tgt Ion: 237 Resp: 188234
Ion Ratio Lower Upper
237 100
235 63.8 42.9 82.9
272 12.0 0.0 32.3

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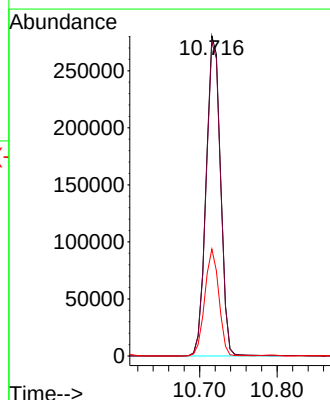
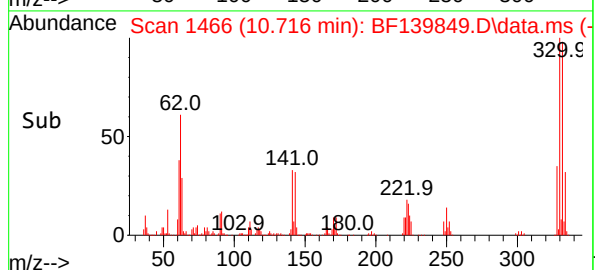
Reviewed By : Yogesh Patel 10/21/2024
Supervised By : mohammad ahmed 10/21/2024

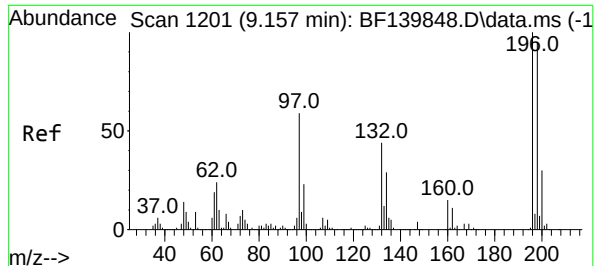


#42
2,4,6-Tribromophenol
Concen: 95.600 ng
RT: 10.716 min Scan# 1466
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49



Tgt Ion: 330 Resp: 362330
Ion Ratio Lower Upper
330 100
332 98.1 78.1 117.1
141 32.6 26.6 39.8





#43

2,4,6-Trichlorophenol

Concen: 47.468 ng

RT: 9.157 min Scan# 1201

Delta R.T. 0.000 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:196 Resp: 36737

Ion Ratio Lower Upper

196 100

198 94.5 76.2 114.2

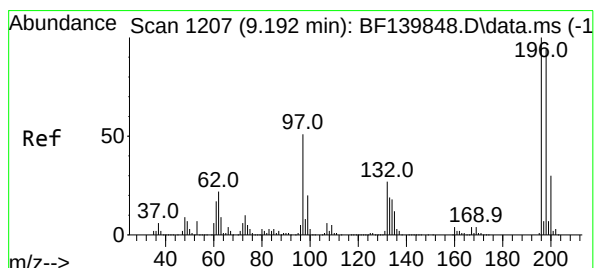
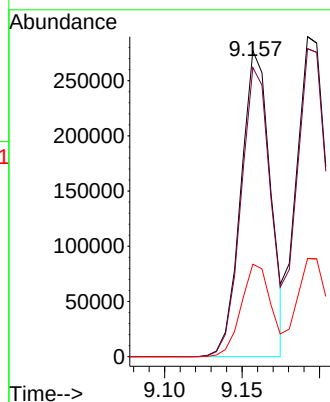
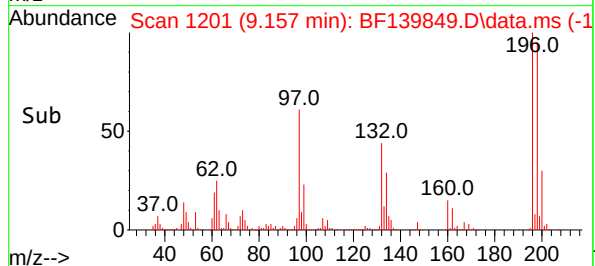
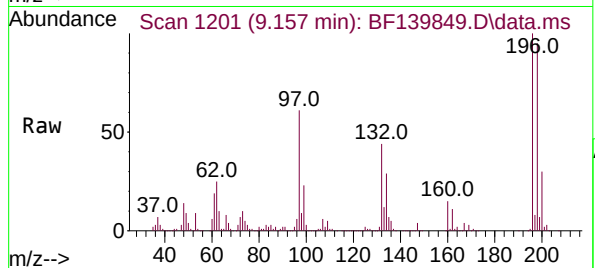
200 30.2 24.0 36.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#44

2,4,5-Trichlorophenol

Concen: 48.336 ng

RT: 9.192 min Scan# 1207

Delta R.T. 0.000 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

Tgt Ion:196 Resp: 385963

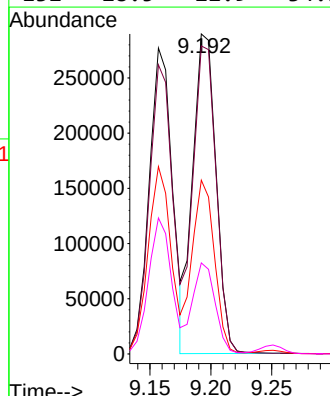
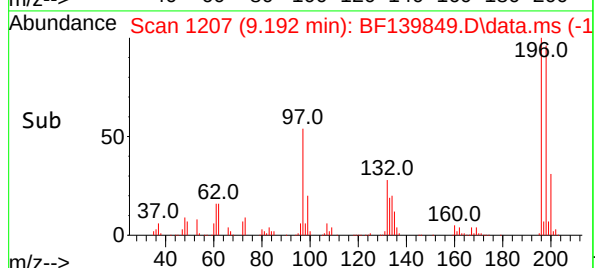
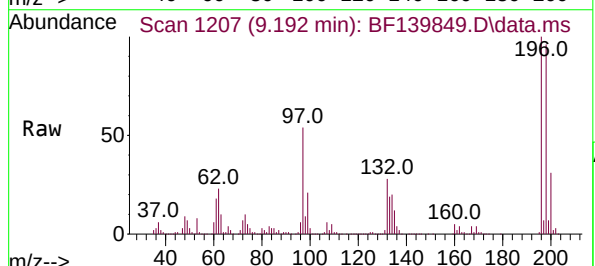
Ion Ratio Lower Upper

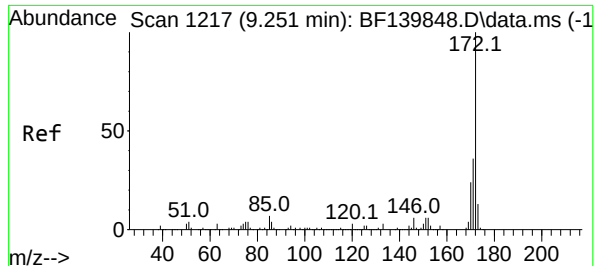
196 100

198 96.2 75.8 113.6

97 54.3 41.8 62.6

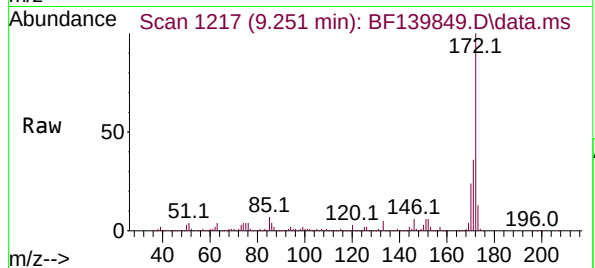
132 28.5 22.9 34.3





#45
2-Fluorobiphenyl
Concen: 89.915 ng
RT: 9.251 min Scan# 1217
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

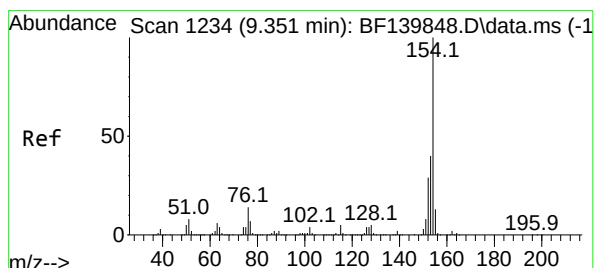
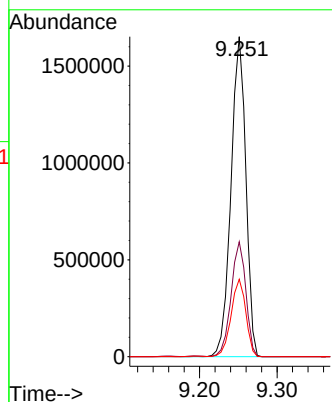
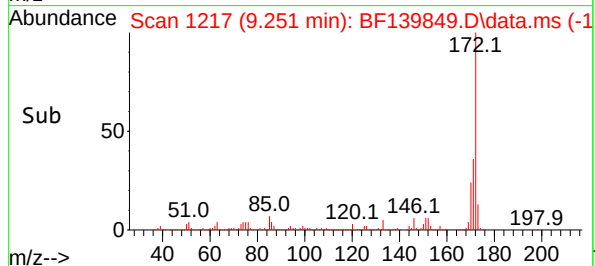
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:172 Resp: 2204460
Ion Ratio Lower Upper
172 100
171 35.9 28.6 43.0
170 24.2 19.1 28.7

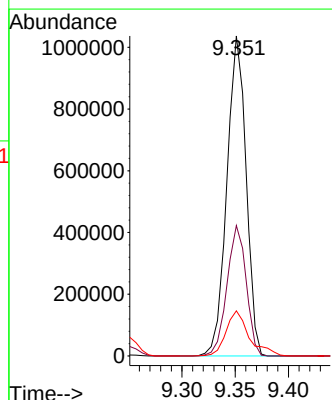
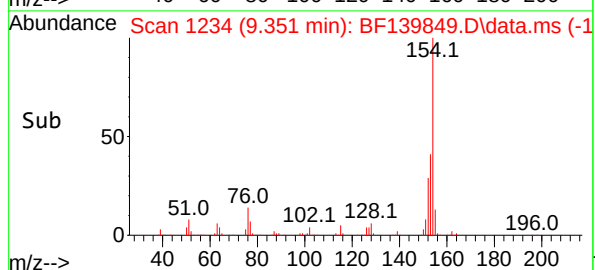
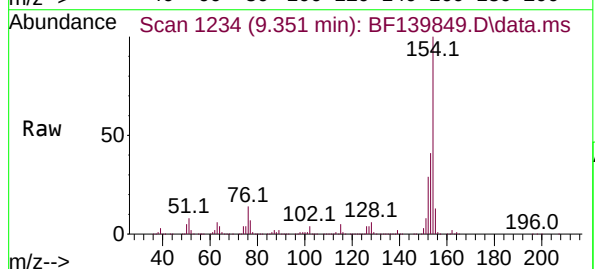
Manual Integrations
APPROVED

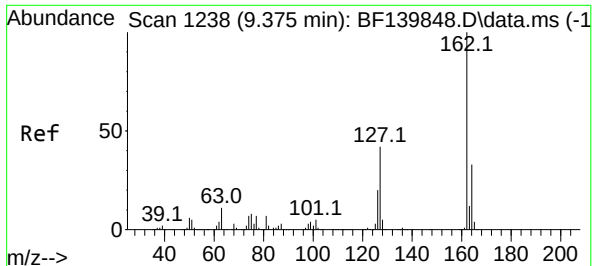
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#46
1,1'-Biphenyl
Concen: 46.143 ng
RT: 9.351 min Scan# 1234
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:154 Resp: 1301562
Ion Ratio Lower Upper
154 100
153 40.7 20.3 60.3
76 14.1 0.0 33.9





#47

2-Chloronaphthalene

Concen: 46.720 ng

RT: 9.375 min Scan# 1238

Delta R.T. 0.000 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:162 Resp: 106141

Ion Ratio Lower Upper

162 100

127 43.3 33.8 50.6

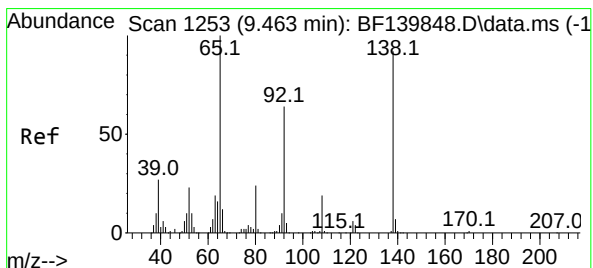
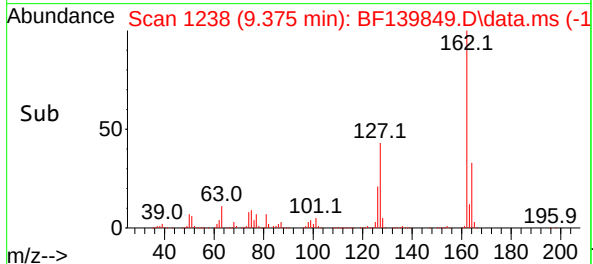
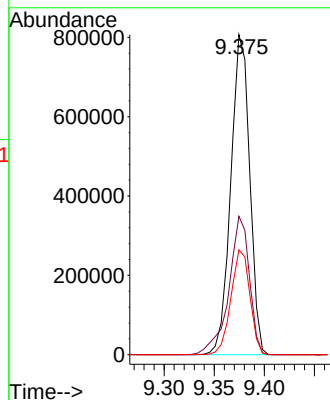
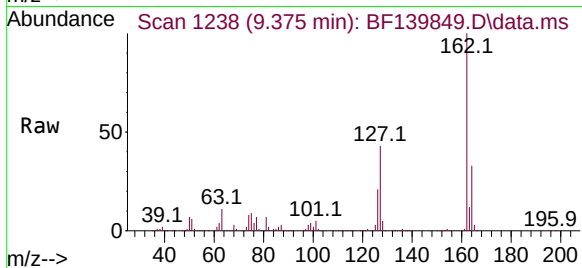
164 32.7 26.6 39.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#48

2-Nitroaniline

Concen: 51.564 ng

RT: 9.469 min Scan# 1254

Delta R.T. 0.006 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

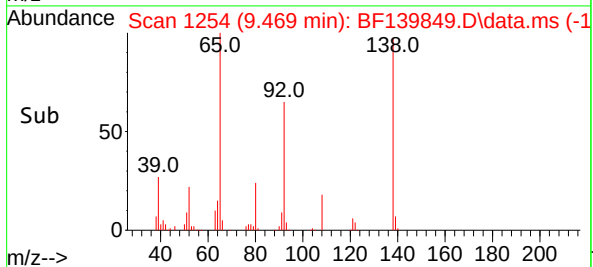
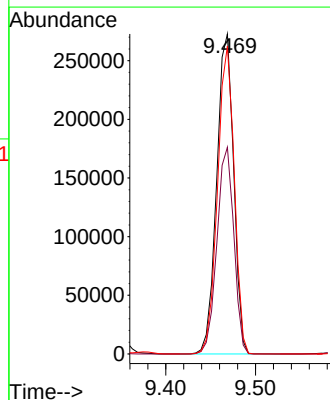
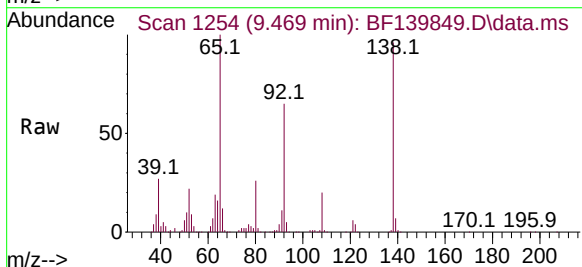
Tgt Ion: 65 Resp: 358283

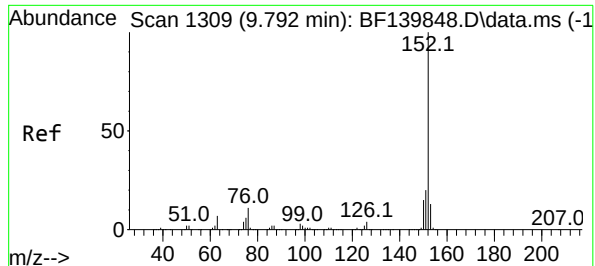
Ion Ratio Lower Upper

65 100

92 64.6 50.9 76.3

138 96.2 73.4 110.0





#49

Acenaphthylene

Concen: 46.479 ng

RT: 9.792 min Scan# 1309

Delta R.T. 0.000 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:152 Resp: 152658

Ion Ratio Lower Upper

152 100

151 20.4 15.9 23.9

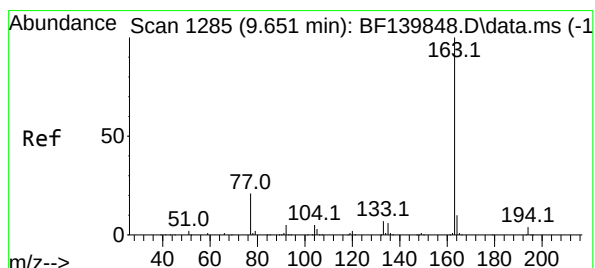
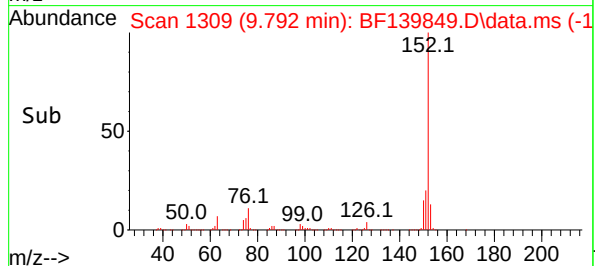
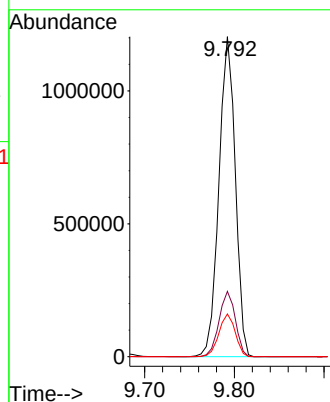
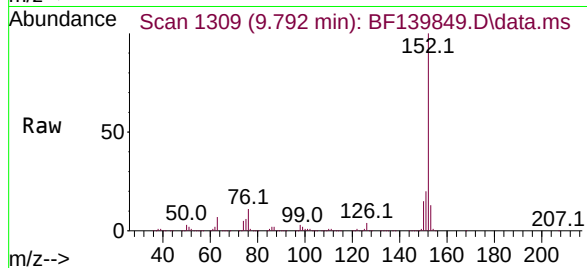
153 13.4 10.7 16.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#50

Dimethylphthalate

Concen: 47.050 ng

RT: 9.651 min Scan# 1285

Delta R.T. 0.000 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

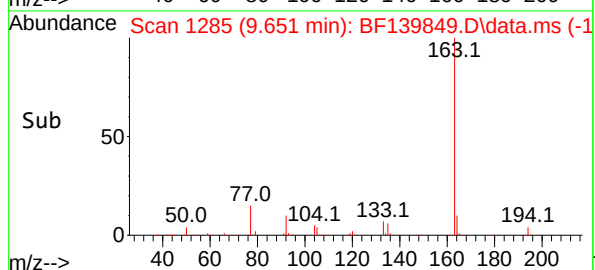
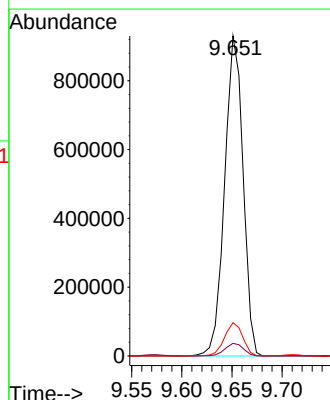
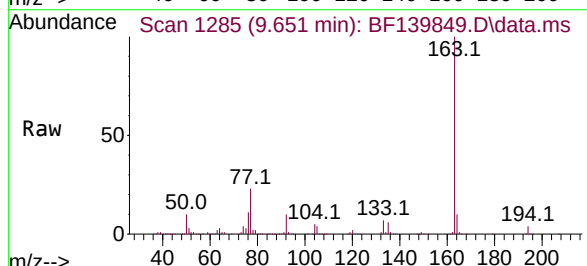
Tgt Ion:163 Resp: 1187472

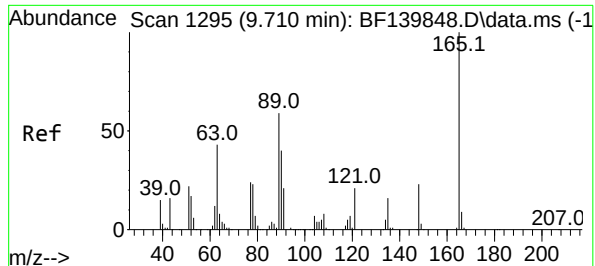
Ion Ratio Lower Upper

163 100

194 3.9 3.4 5.0

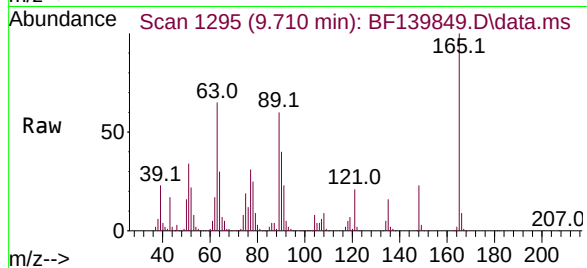
164 10.4 8.2 12.2





#51
2,6-Dinitrotoluene
Concen: 50.693 ng
RT: 9.710 min Scan# 1295
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

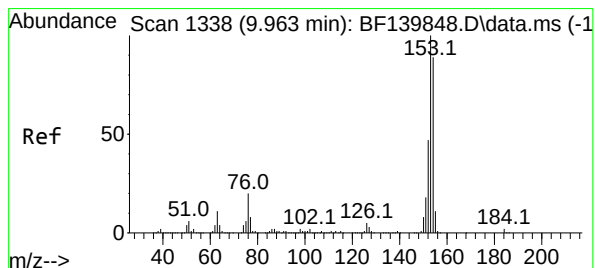
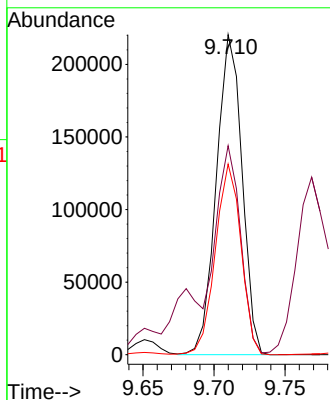
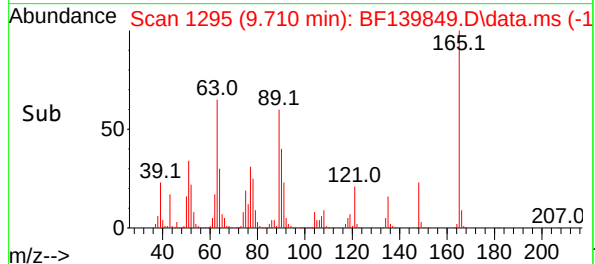
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:165 Resp: 27702
Ion Ratio Lower Upper
165 100
63 65.3 50.6 75.8
89 59.5 47.5 71.3

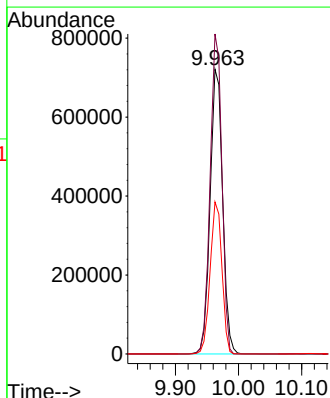
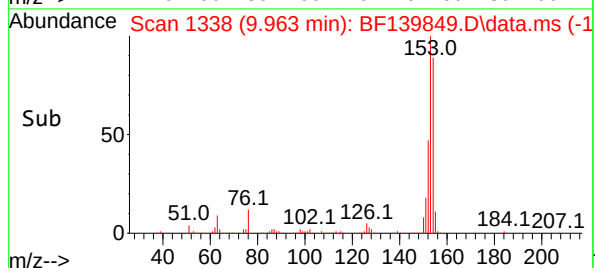
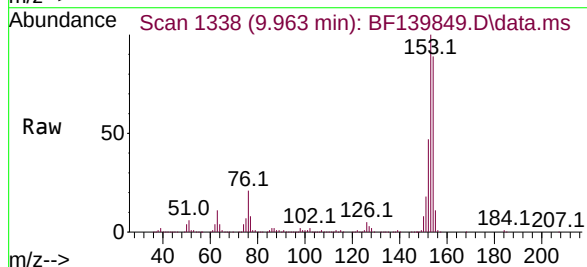
Manual Integrations
APPROVED

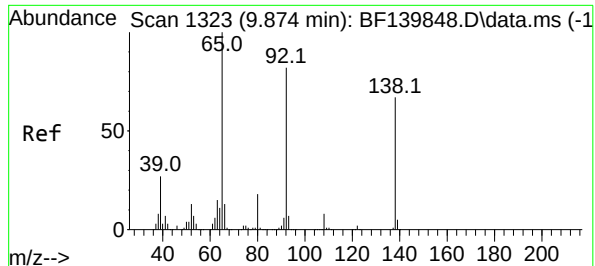
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#52
Acenaphthene
Concen: 46.576 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

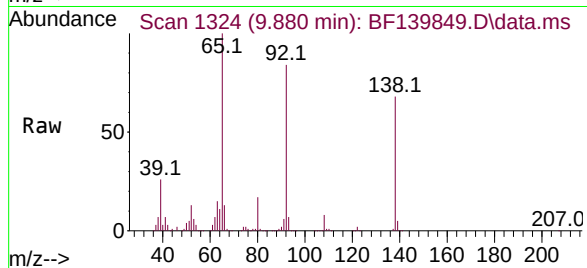
Tgt Ion:154 Resp: 989603
Ion Ratio Lower Upper
154 100
153 112.4 89.8 134.6
152 53.4 42.4 63.6





#53
3-Nitroaniline
Concen: 49.591 ng
RT: 9.880 min Scan# 1323
Delta R.T. 0.006 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

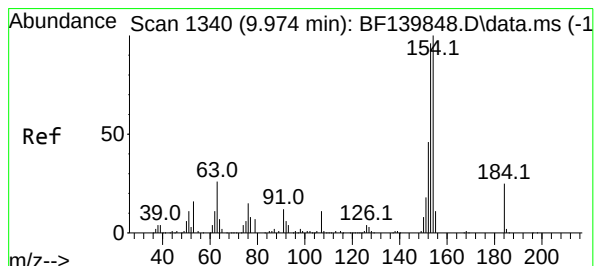
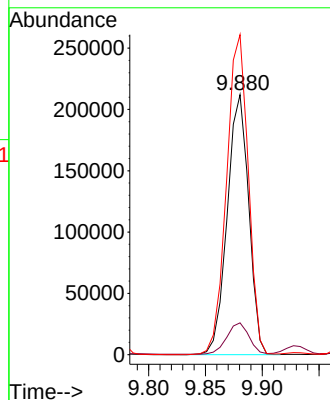
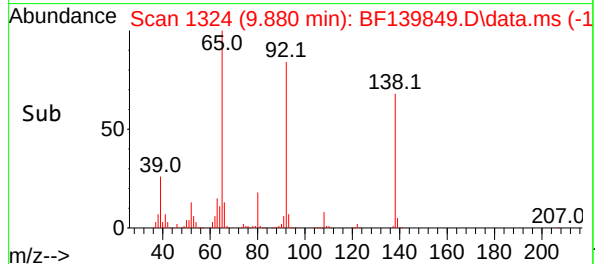
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:138 Resp: 27946
Ion Ratio Lower Upper
138 100
108 12.2 10.2 15.2
92 123.1 98.3 147.5

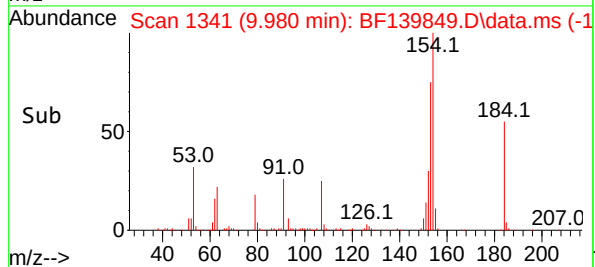
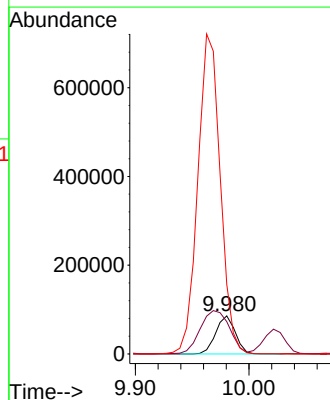
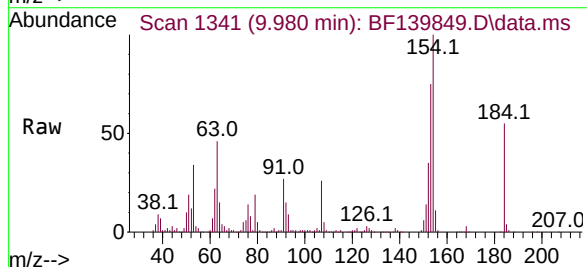
Manual Integrations
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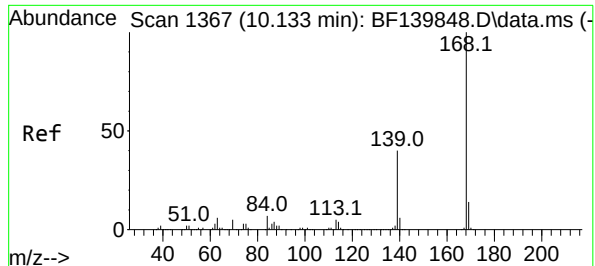
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#54
2,4-Dinitrophenol
Concen: 48.105 ng
RT: 9.980 min Scan# 1341
Delta R.T. 0.006 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

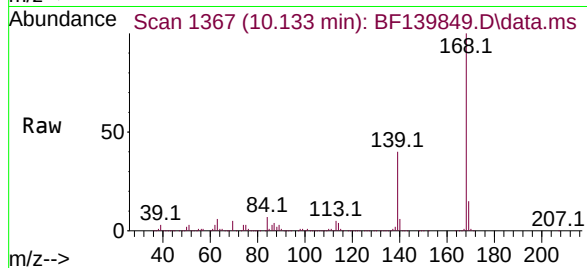
Tgt Ion:184 Resp: 102786
Ion Ratio Lower Upper
184 100
63 84.8 84.7 127.1
154 182.9 338.2 507.2#





#55
Dibenzenofuran
Concen: 46.162 ng
RT: 10.133 min Scan# 1367
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

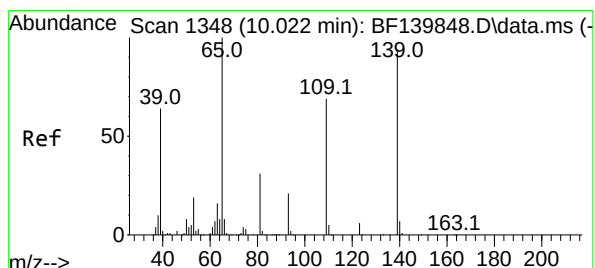
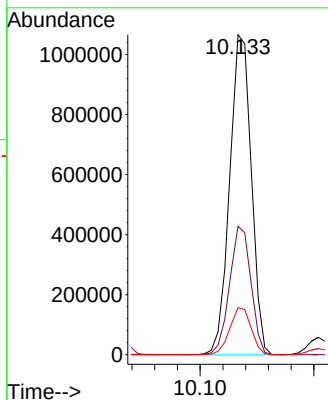
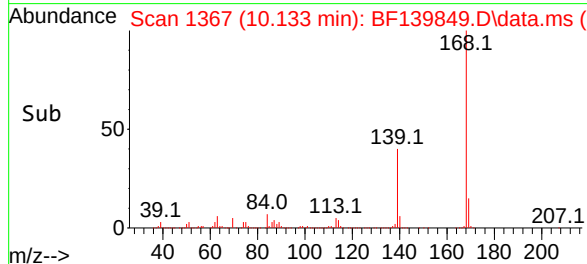
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:168 Resp: 140721
Ion Ratio Lower Upper
168 100
139 40.1 31.8 47.6
169 14.7 11.6 17.4

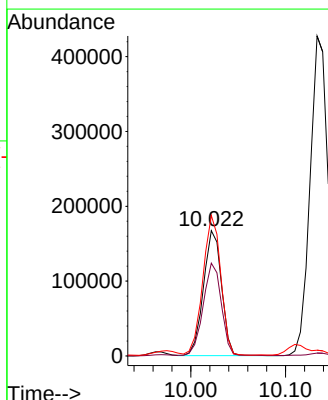
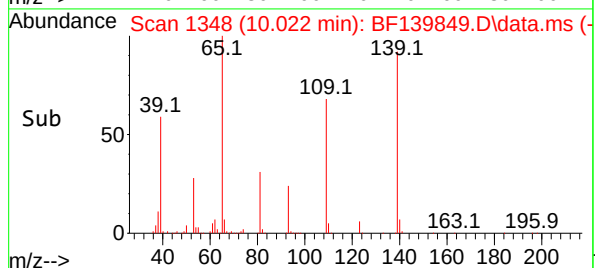
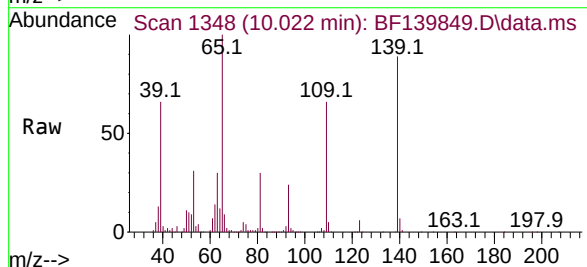
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APPROVED

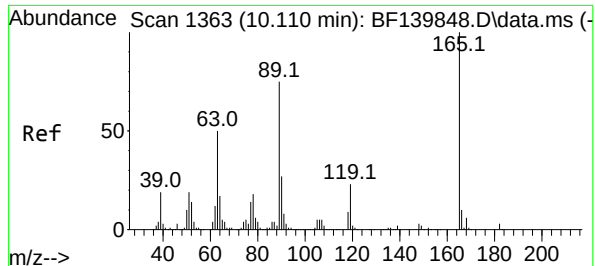
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#56
4-Nitrophenol
Concen: 51.068 ng
RT: 10.022 min Scan# 1348
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

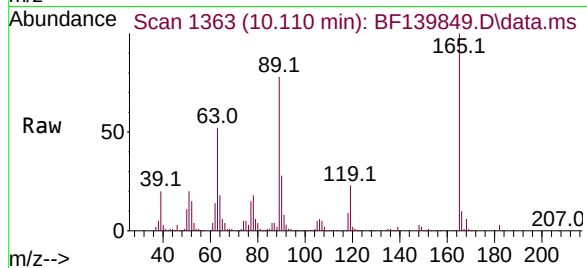
Tgt Ion:139 Resp: 221410
Ion Ratio Lower Upper
139 100
109 74.0 53.6 93.6
65 112.1 87.8 127.8





#57
2,4-Dinitrotoluene
Concen: 51.878 ng
RT: 10.110 min Scan# 1363
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

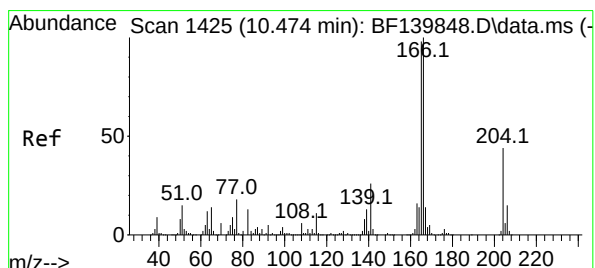
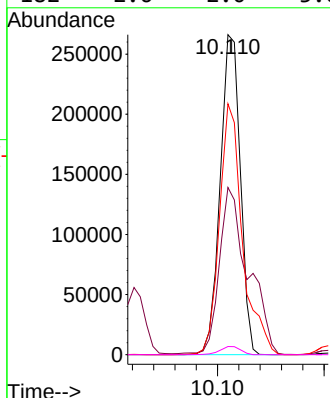
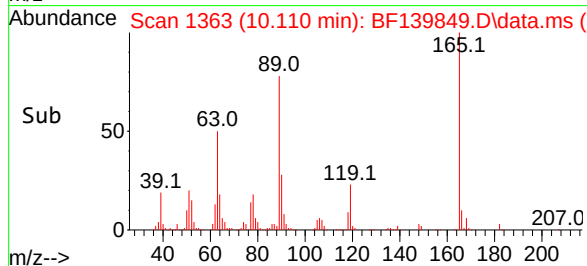
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



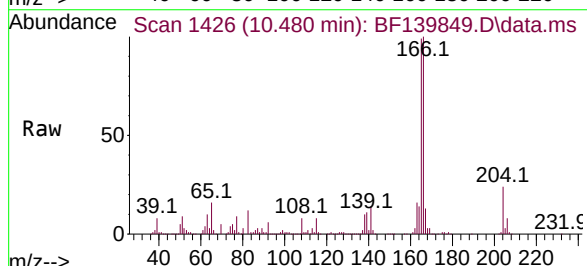
Tgt Ion:165 Resp: 348628
Ion Ratio Lower Upper
165 100
63 52.2 40.1 60.1
89 78.4 60.4 90.6
182 2.6 2.0 3.0

Manual Integrations
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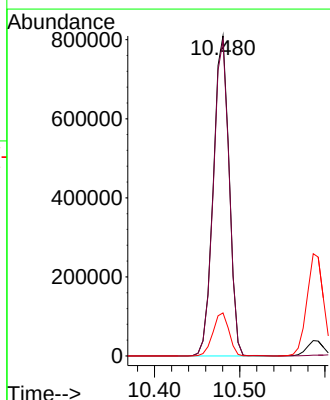
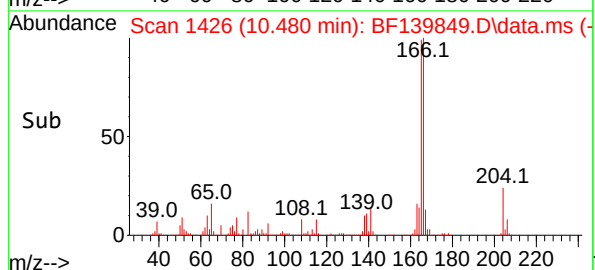
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

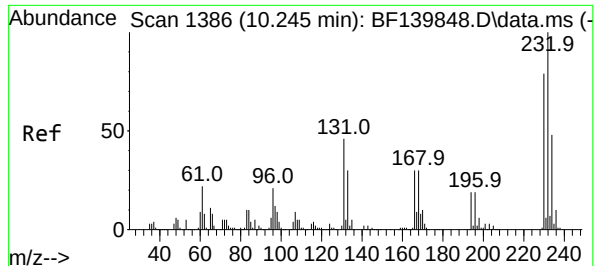


#58
Fluorene
Concen: 44.889 ng
RT: 10.480 min Scan# 1426
Delta R.T. 0.006 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49



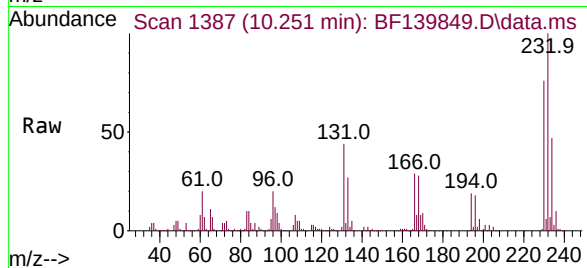
Tgt Ion:166 Resp: 1042268
Ion Ratio Lower Upper
166 100
165 98.6 78.5 117.7
167 13.5 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 47.975 ng
RT: 10.251 min Scan# 1387
Delta R.T. 0.006 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

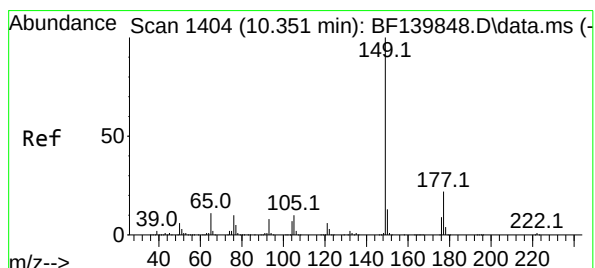
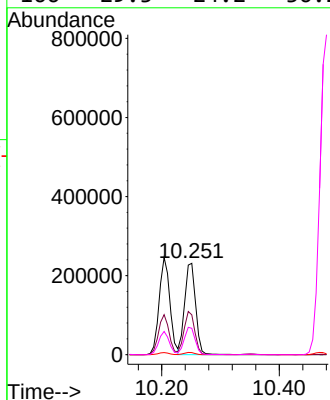
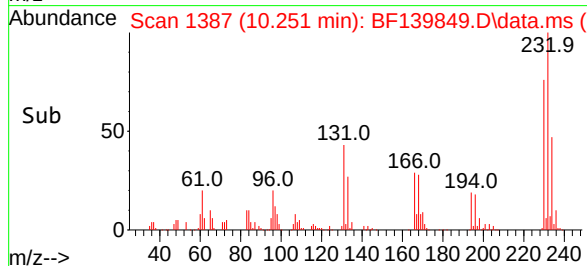
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:232 Resp: 300300
Ion Ratio Lower Upper
232 100
131 45.6 37.0 55.6
130 2.4 1.9 2.9
166 29.3 24.2 36.2

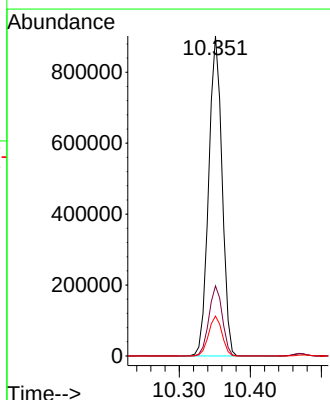
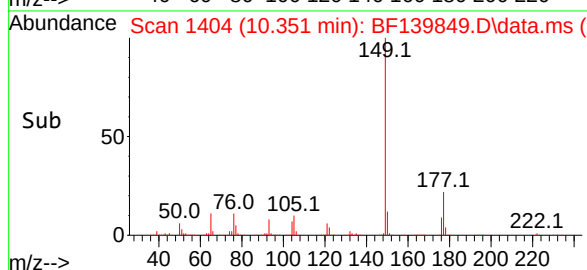
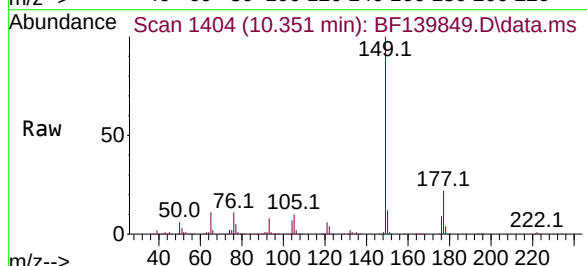
Manual Integrations
APPROVED

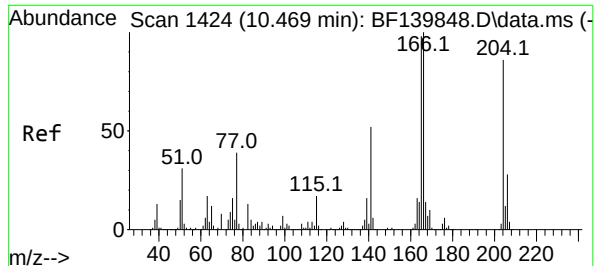
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#60
Diethylphthalate
Concen: 47.634 ng
RT: 10.351 min Scan# 1404
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:149 Resp: 1180411
Ion Ratio Lower Upper
149 100
177 21.9 17.9 26.9
150 12.5 10.1 15.1





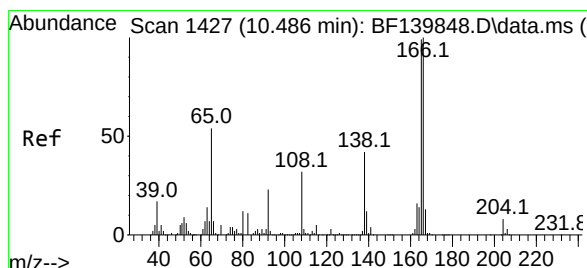
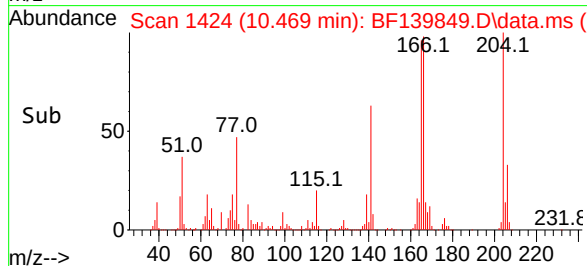
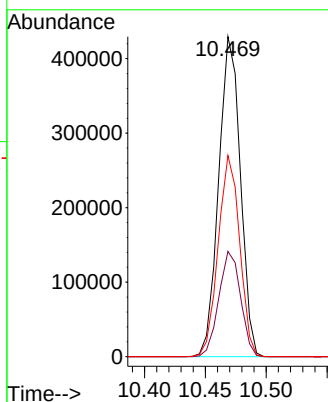
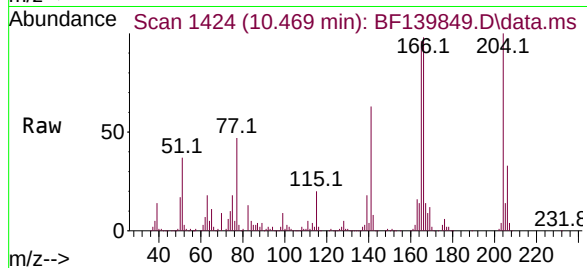
#61
4-Chlorophenyl-phenylether
Concen: 45.427 ng
RT: 10.469 min Scan# 1424
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:204 Resp: 532654
Ion Ratio Lower Upper
204 100
206 32.9 26.3 39.5
141 62.9 48.6 73.0

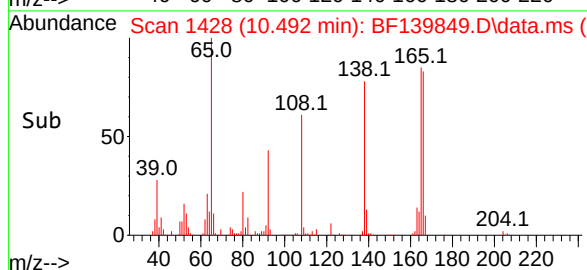
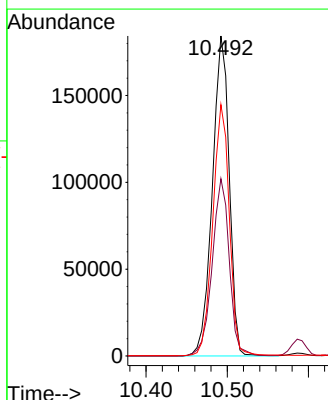
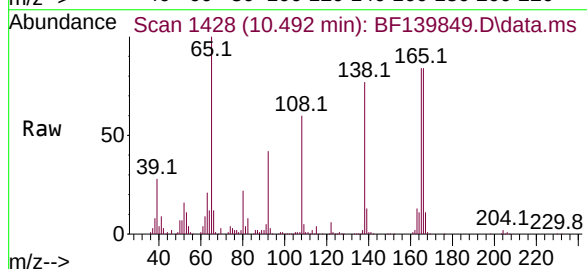
Manual Integrations
APPROVED

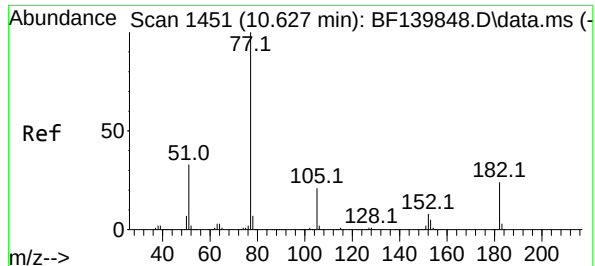
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#62
4-Nitroaniline
Concen: 50.037 ng
RT: 10.492 min Scan# 1428
Delta R.T. 0.006 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

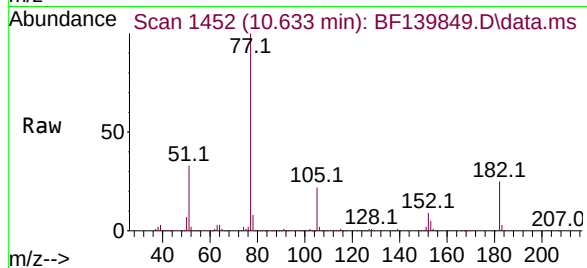
Tgt Ion:138 Resp: 266320
Ion Ratio Lower Upper
138 100
92 55.4 35.7 75.7
108 78.6 57.5 97.5





#63
Azobenzene
Concen: 46.881 ng
RT: 10.633 min Scan# 1451
Delta R.T. 0.006 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

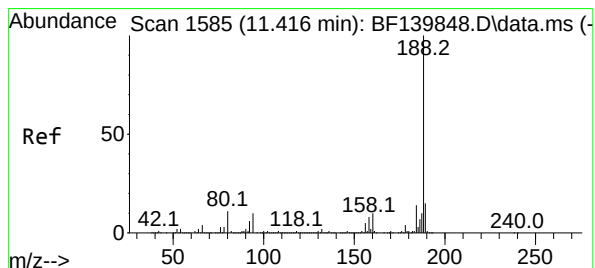
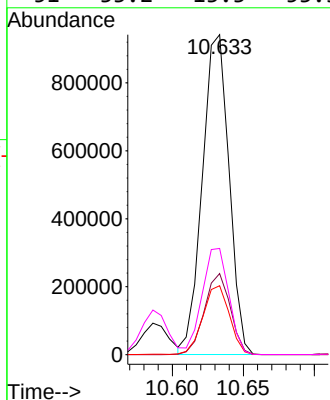
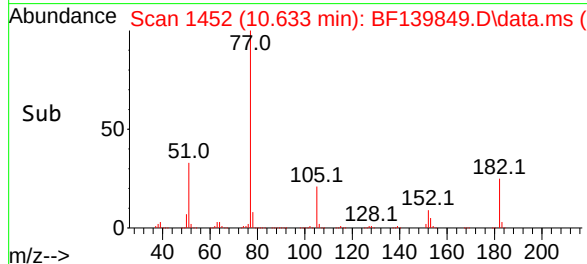
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion: 77 Resp: 123164
Ion Ratio Lower Upper
77 100
182 25.4 3.3 43.3
105 21.5 1.2 41.2
51 33.2 13.3 53.3

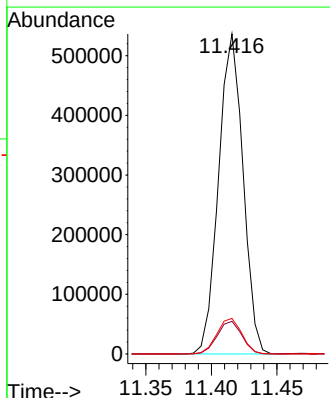
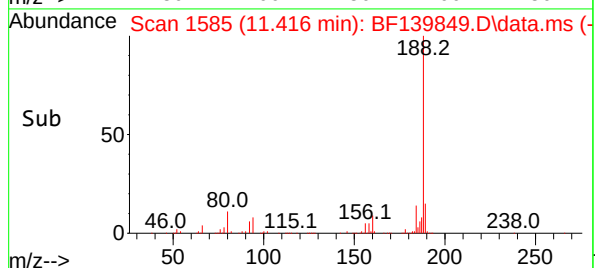
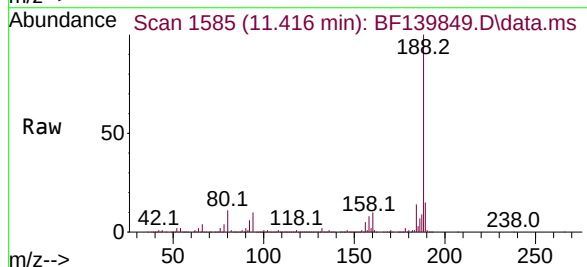
Manual Integrations
APPROVED

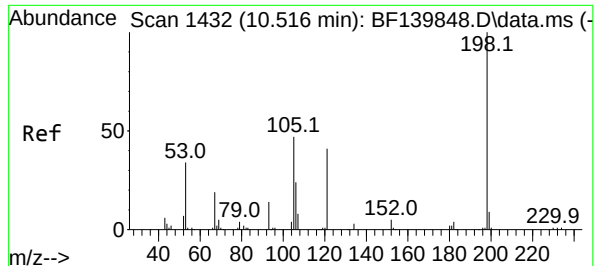
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:188 Resp: 694873
Ion Ratio Lower Upper
188 100
94 10.2 7.9 11.9
80 11.1 9.0 13.4





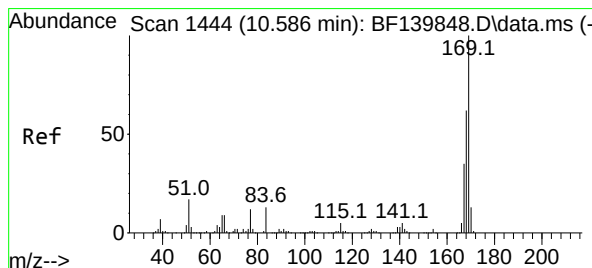
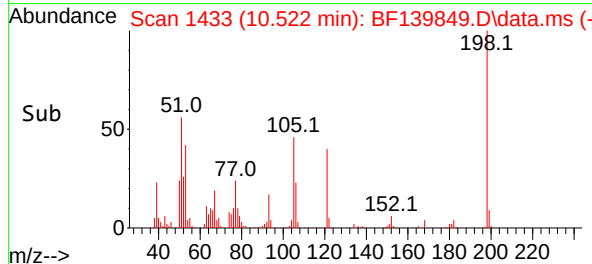
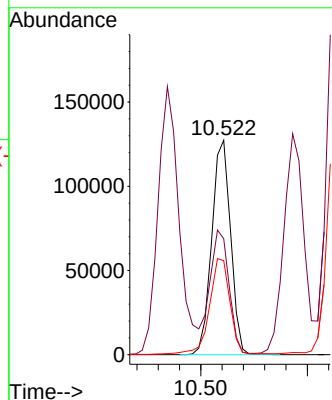
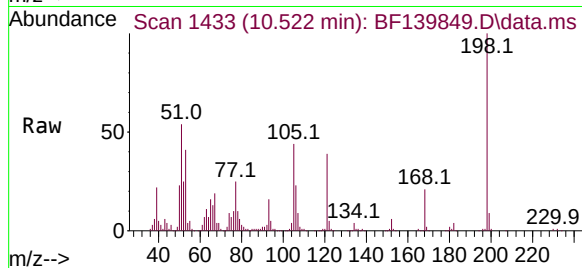
#65
4,6-Dinitro-2-methylphenol
Concen: 55.202 ng
RT: 10.522 min Scan# 1433
Delta R.T. 0.006 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:198 Resp: 15646
Ion Ratio Lower Upper
198 100
51 54.1 38.2 78.2
105 43.9 27.9 67.9

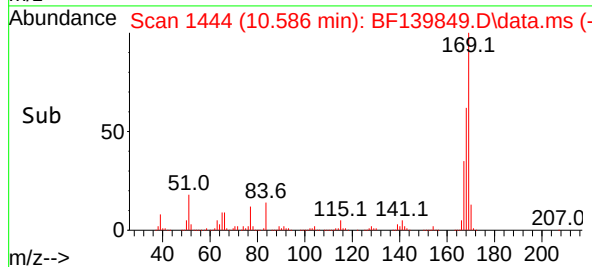
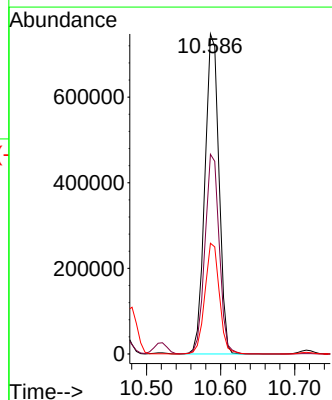
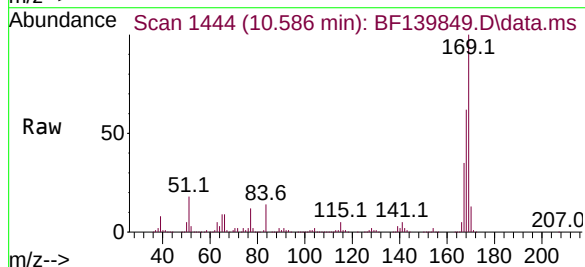
Manual Integrations
APPROVED

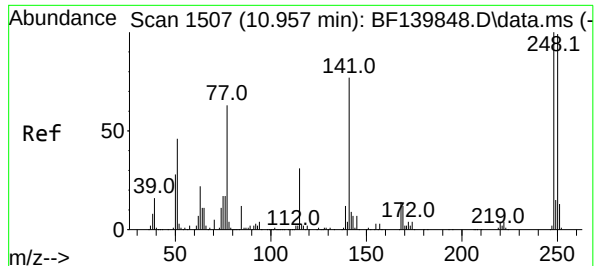
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#66
n-Nitrosodiphenylamine
Concen: 47.472 ng
RT: 10.586 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

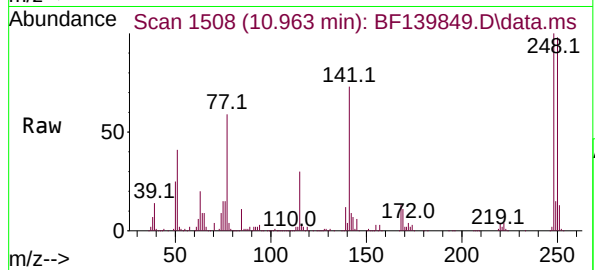
Tgt Ion:169 Resp: 987295
Ion Ratio Lower Upper
169 100
168 62.4 49.8 74.6
167 34.6 28.0 42.0





#67
4-Bromophenyl-phenylether
Concen: 47.746 ng
RT: 10.963 min Scan# 1508
Delta R.T. 0.006 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

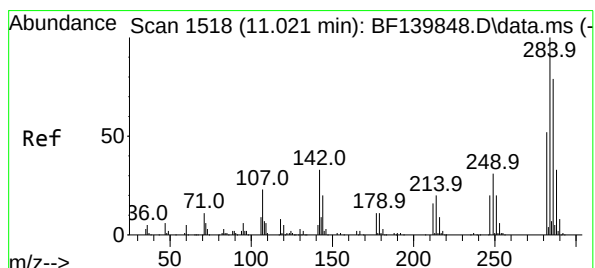
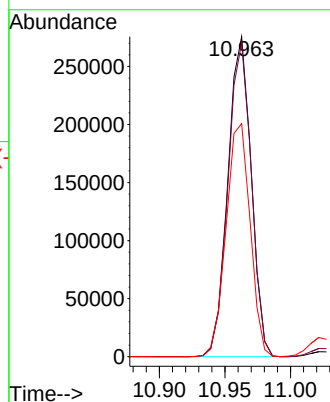
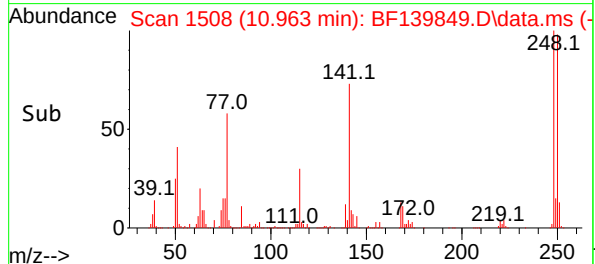
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:248 Resp: 341790
Ion Ratio Lower Upper
248 100
250 98.1 79.0 118.6
141 72.9 61.7 92.5

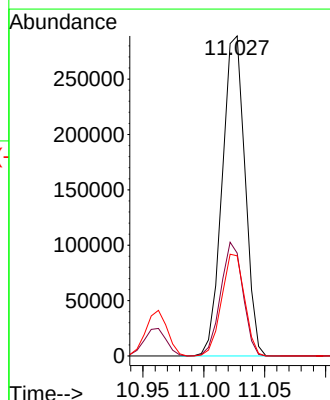
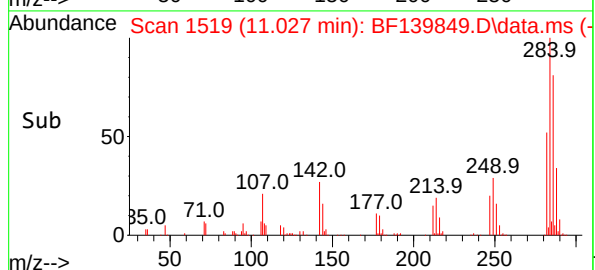
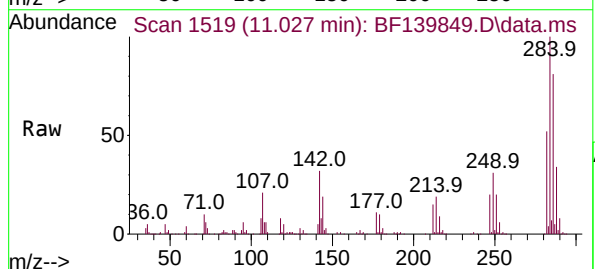
Manual Integrations
APPROVED

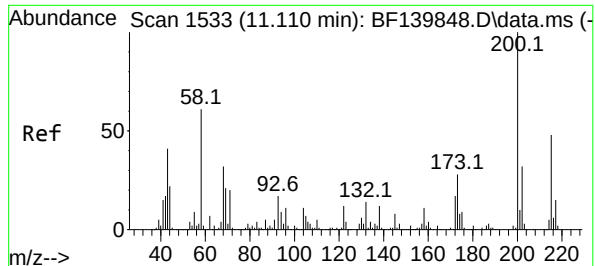
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#68
Hexachlorobenzene
Concen: 46.823 ng
RT: 11.027 min Scan# 1519
Delta R.T. 0.006 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:284 Resp: 376968
Ion Ratio Lower Upper
284 100
142 32.2 26.9 40.3
249 31.3 25.3 37.9





#69

Atrazine

Concen: 41.713 ng

RT: 11.110 min Scan# 1533

Delta R.T. 0.000 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

Instrument :

BNA_F

ClientSampleId :

SSTDIC050

Tgt Ion:200 Resp: 234998

Ion Ratio Lower Upper

200 100

173 27.4 7.7 47.7

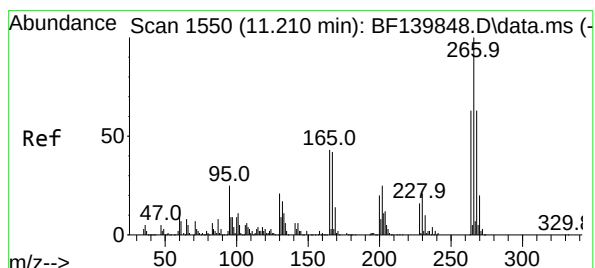
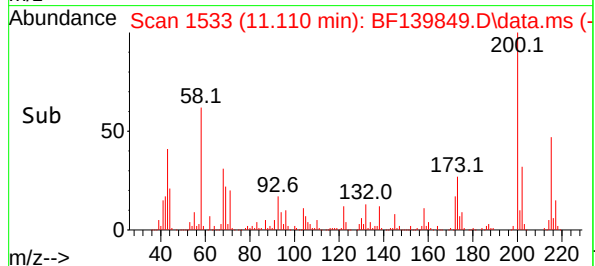
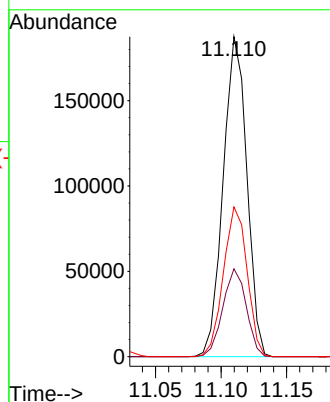
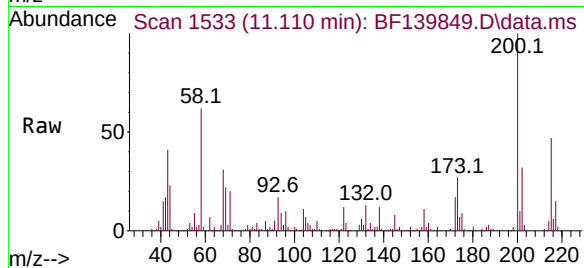
215 46.8 27.7 67.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#70

Pentachlorophenol

Concen: 51.587 ng

RT: 11.216 min Scan# 1551

Delta R.T. 0.006 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

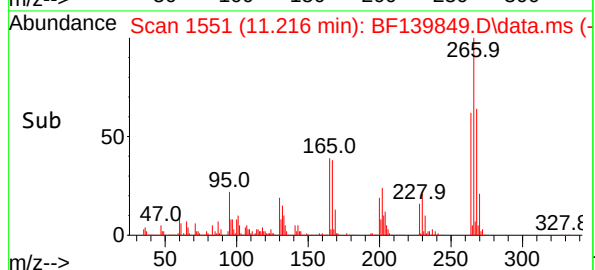
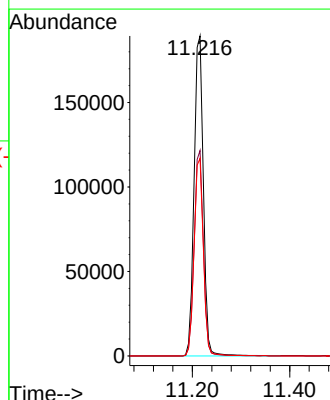
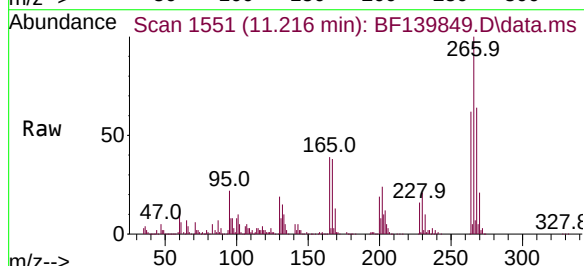
Tgt Ion:266 Resp: 252064

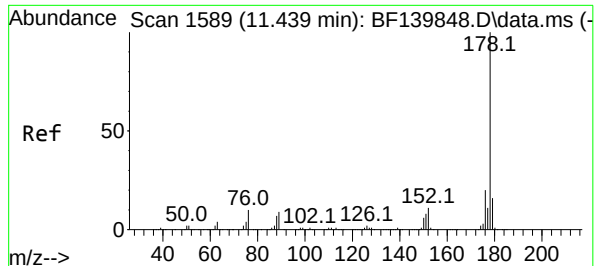
Ion Ratio Lower Upper

266 100

268 64.2 50.4 75.6

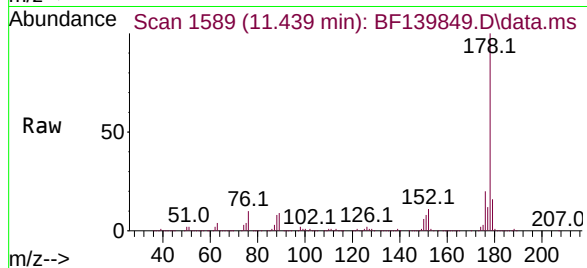
264 61.7 50.6 75.8





#71
Phenanthrene
Concen: 45.700 ng
RT: 11.439 min Scan# 1589
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

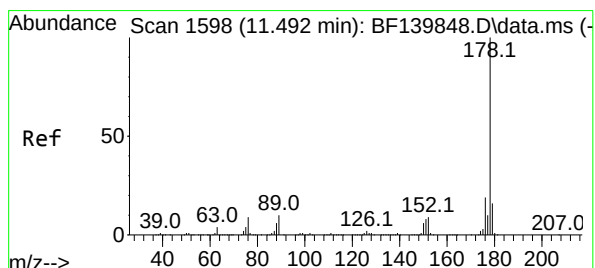
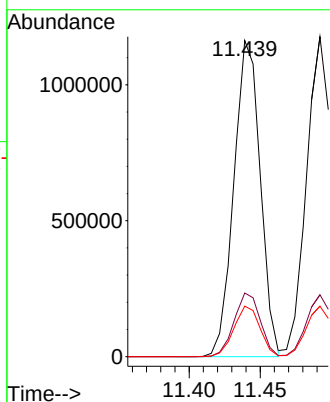
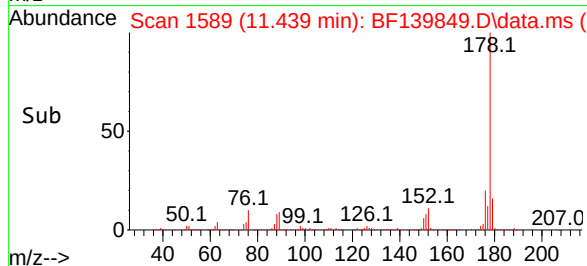
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



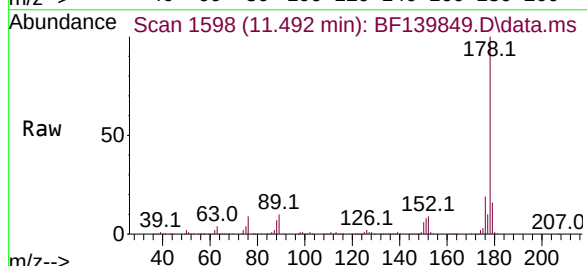
Tgt Ion:178 Resp: 1500010
Ion Ratio Lower Upper
178 100
176 20.1 15.8 23.6
179 16.0 12.6 18.8

Manual Integrations
APPROVED

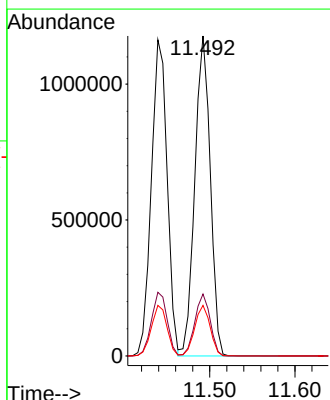
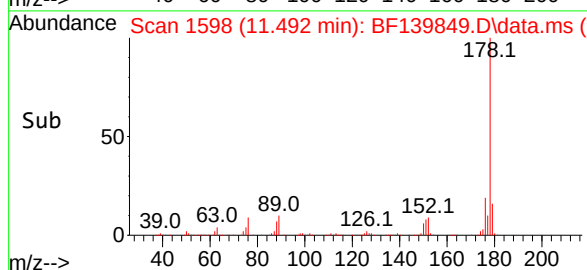
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

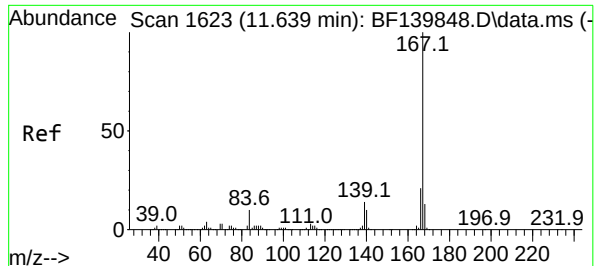


#72
Anthracene
Concen: 46.172 ng
RT: 11.492 min Scan# 1598
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49



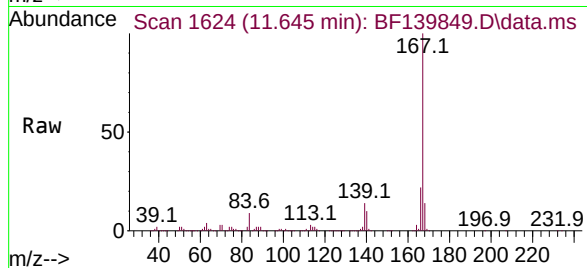
Tgt Ion:178 Resp: 1478655
Ion Ratio Lower Upper
178 100
176 19.3 15.3 22.9
179 15.8 12.4 18.6





#73
Carbazole
Concen: 45.263 ng
RT: 11.645 min Scan# 1624
Delta R.T. 0.006 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

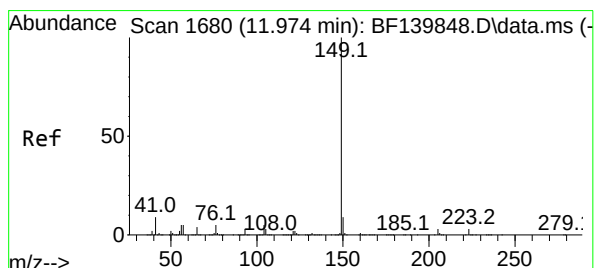
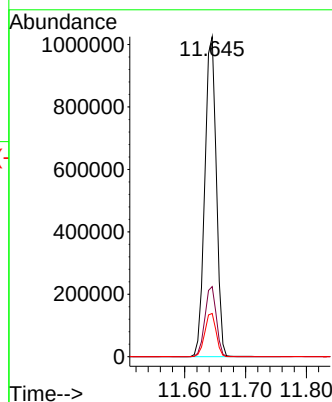
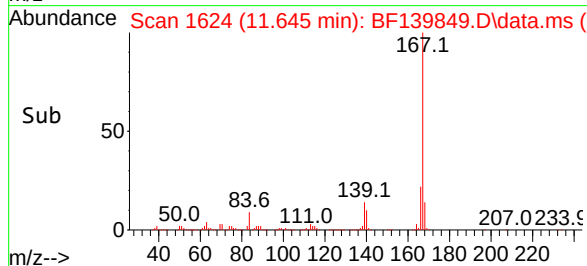
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



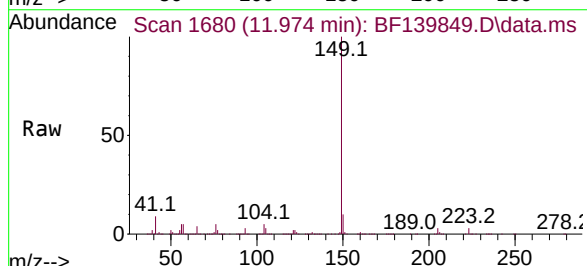
Tgt Ion:167 Resp: 1348098
Ion Ratio Lower Upper
167 100
166 21.9 17.0 25.6
139 13.5 10.8 16.2

Manual Integrations
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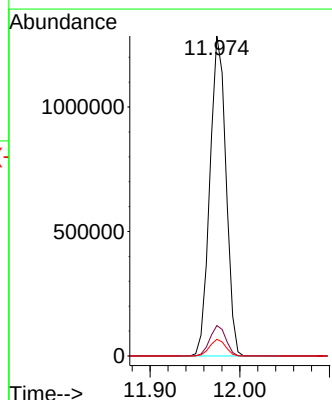
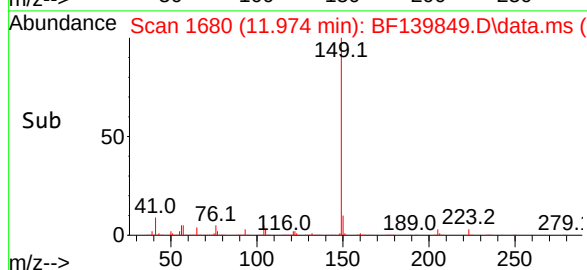
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

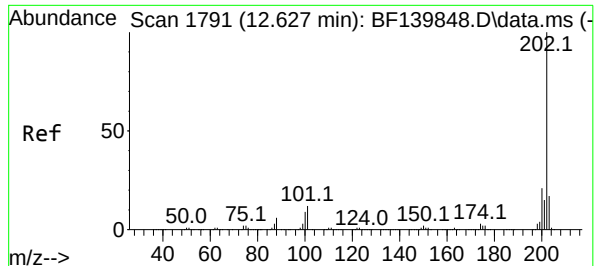


#74
Di-n-butylphthalate
Concen: 46.583 ng
RT: 11.974 min Scan# 1680
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49



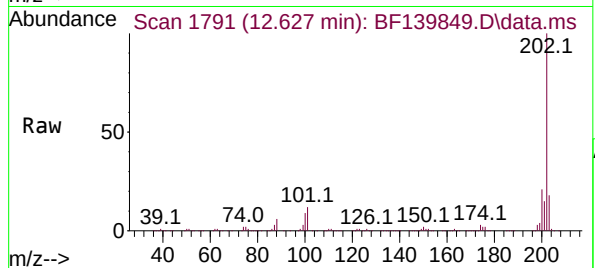
Tgt Ion:149 Resp: 1602928
Ion Ratio Lower Upper
149 100
150 9.5 7.5 11.3
104 5.2 4.1 6.1





#75
Fluoranthene
Concen: 44.089 ng
RT: 12.627 min Scan# 1791
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

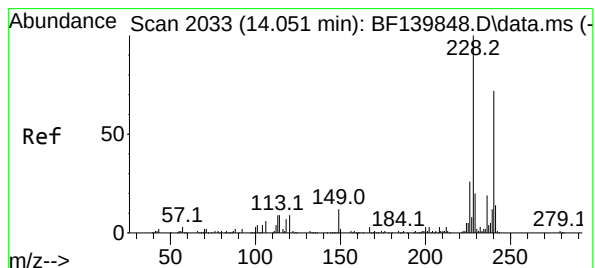
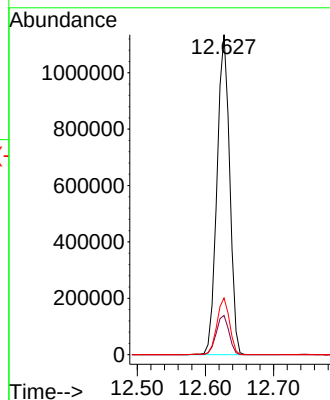
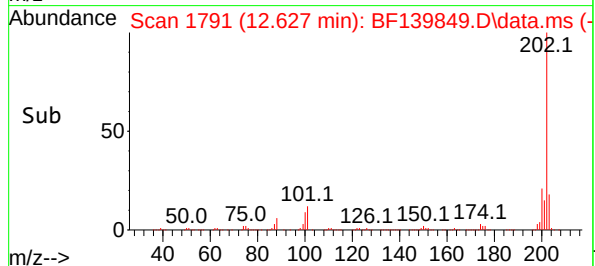
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:202 Resp: 1462930
Ion Ratio Lower Upper
202 100
101 12.2 0.0 31.9
203 17.7 0.0 37.5

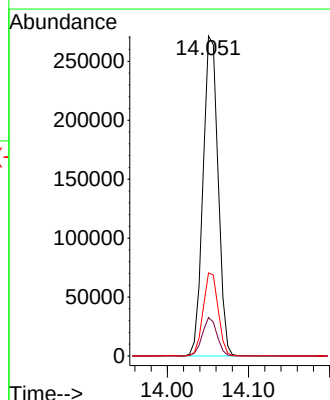
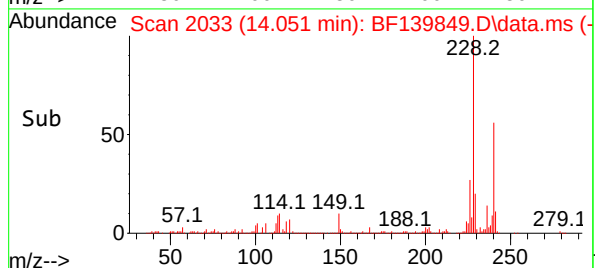
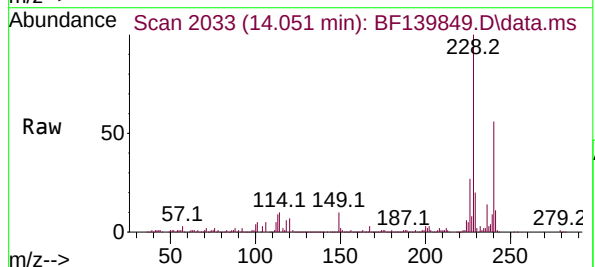
Manual Integrations
APPROVED

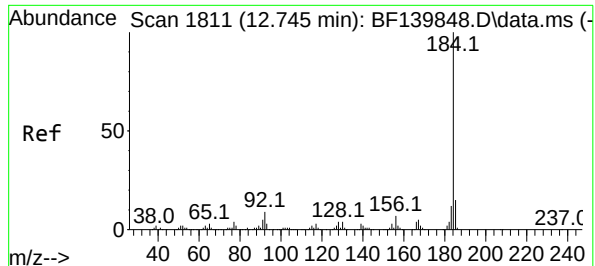
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

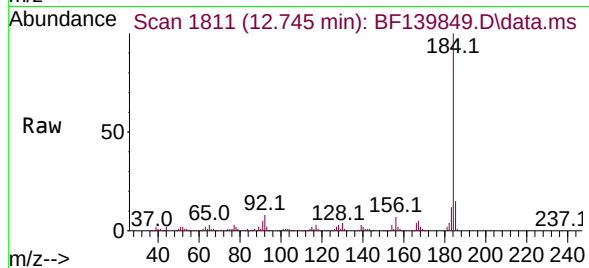
Tgt Ion:240 Resp: 349496
Ion Ratio Lower Upper
240 100
120 12.0 9.4 14.2
236 26.0 20.9 31.3





#77
Benzidine
Concen: 42.388 ng
RT: 12.745 min Scan# 1811
Delta R.T. -0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

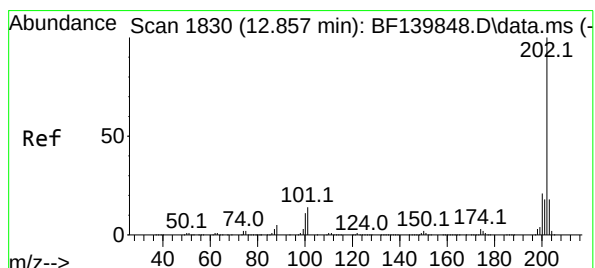
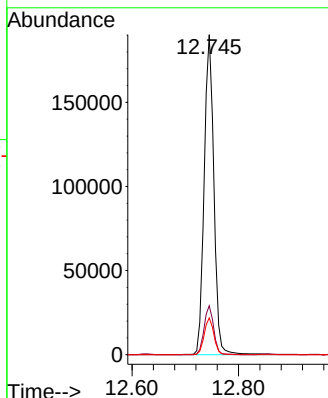
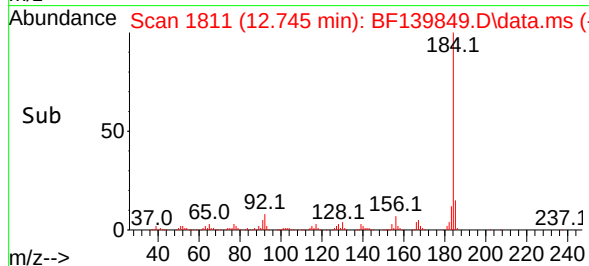
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:184 Resp: 240940
Ion Ratio Lower Upper
184 100
185 15.3 12.0 18.0
183 11.5 9.4 14.2

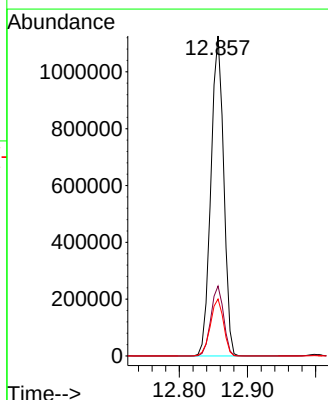
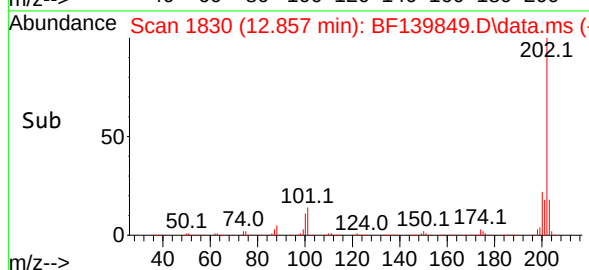
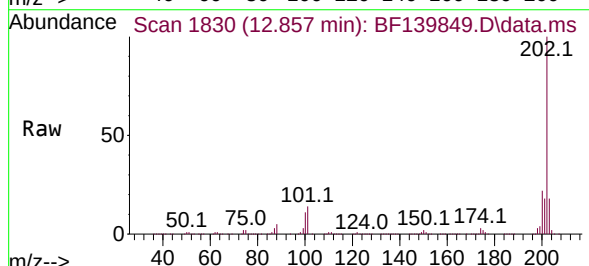
Manual Integrations
APPROVED

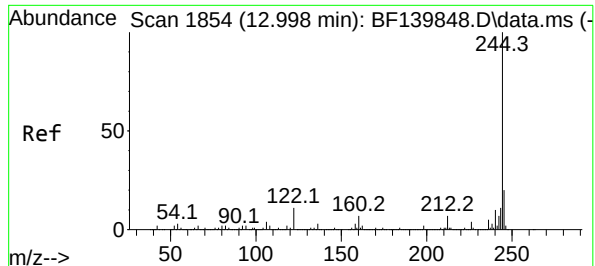
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#78
Pyrene
Concen: 48.113 ng
RT: 12.857 min Scan# 1830
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:202 Resp: 1471893
Ion Ratio Lower Upper
202 100
200 21.8 17.2 25.8
203 17.8 14.2 21.4





#79

Terphenyl-d14

Concen: 93.988 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.000 min

Lab File: BF139849.D

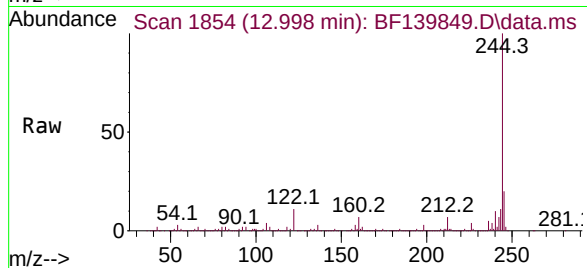
Acq: 18 Oct 2024 12:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC050



Tgt Ion:244 Resp: 2015874

Ion Ratio Lower Upper

244 100

212 7.1 5.7 8.5

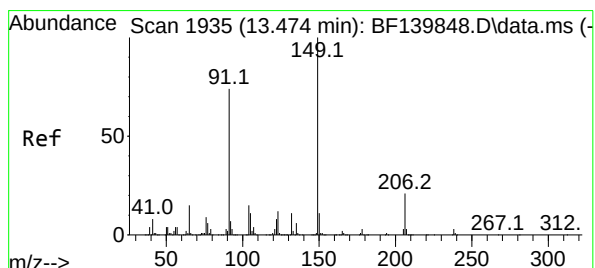
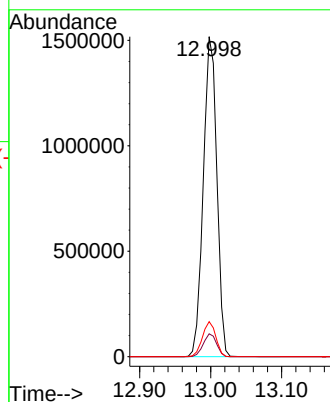
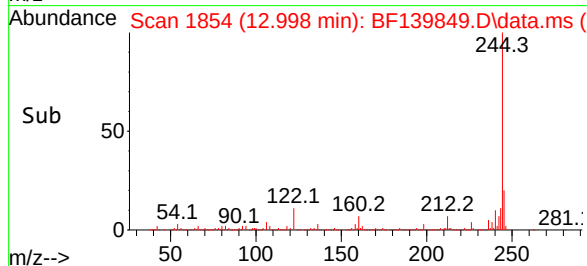
122 11.0 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#80

Butylbenzylphthalate

Concen: 50.944 ng

RT: 13.474 min Scan# 1935

Delta R.T. 0.000 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

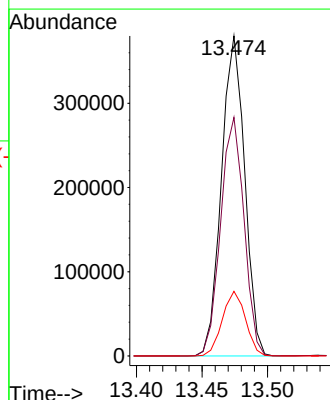
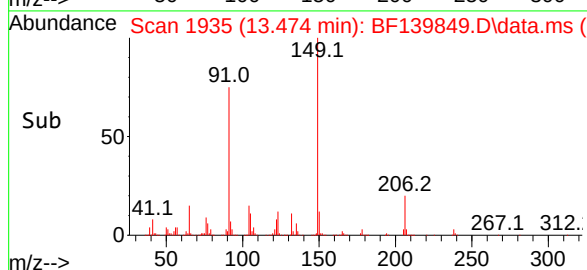
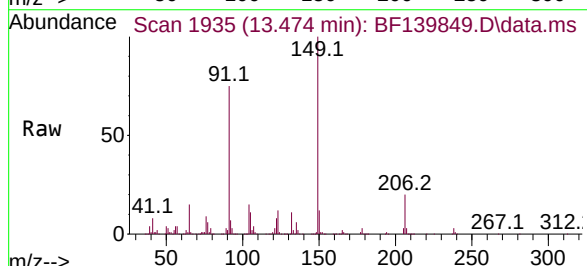
Tgt Ion:149 Resp: 467242

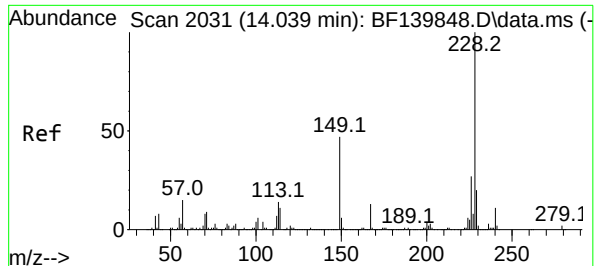
Ion Ratio Lower Upper

149 100

91 74.5 59.4 89.2

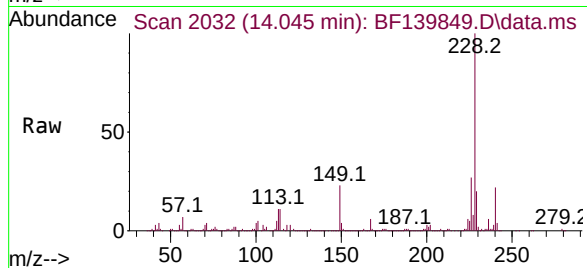
206 20.2 16.4 24.6





#81
Benzo(a)anthracene
Concen: 48.667 ng
RT: 14.045 min Scan# 2031
Delta R.T. 0.006 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

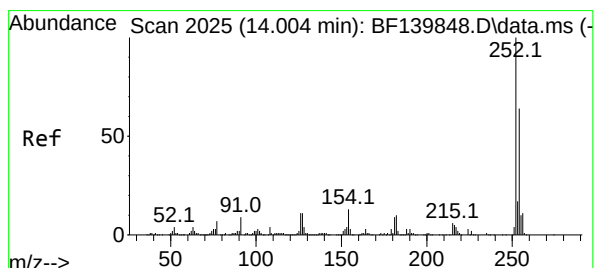
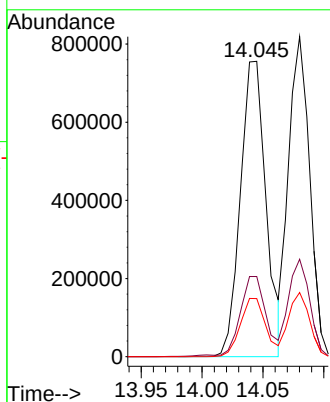
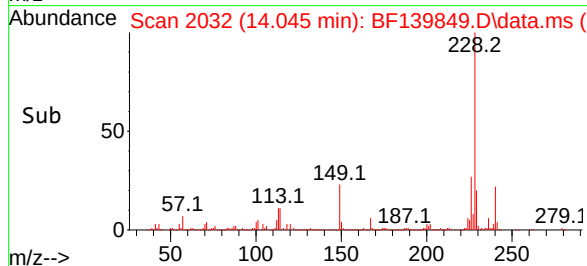
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



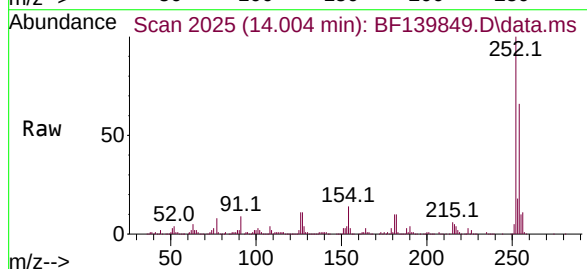
Tgt Ion:228 Resp: 1107235
Ion Ratio Lower Upper
228 100
226 27.1 21.6 32.4
229 19.7 16.1 24.1

Manual Integrations
APPROVED

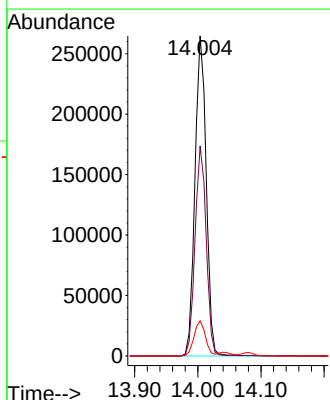
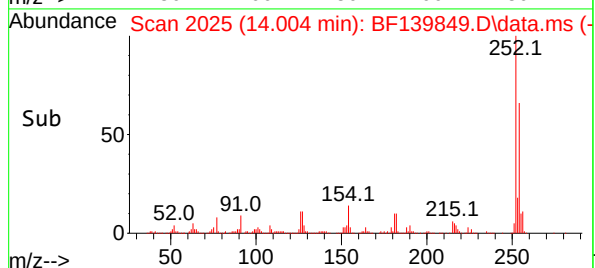
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

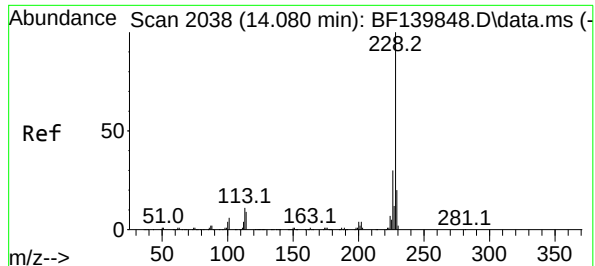


#82
3,3'-Dichlorobenzidine
Concen: 49.251 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49



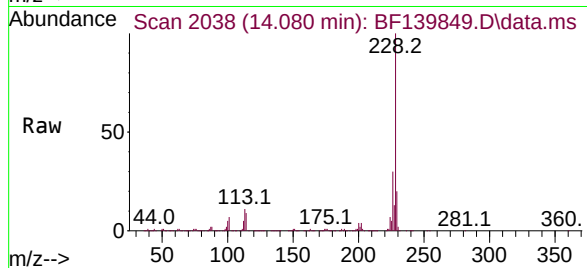
Tgt Ion:252 Resp: 326706
Ion Ratio Lower Upper
252 100
254 65.6 50.8 76.2
126 11.0 8.9 13.3





#83
Chrysene
Concen: 47.484 ng
RT: 14.080 min Scan# 2038
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

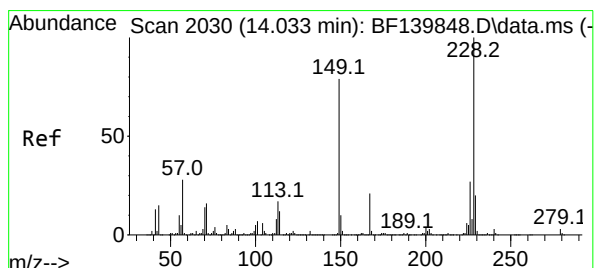
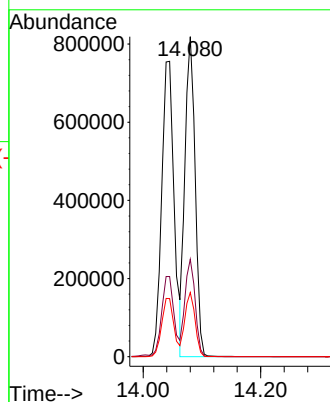
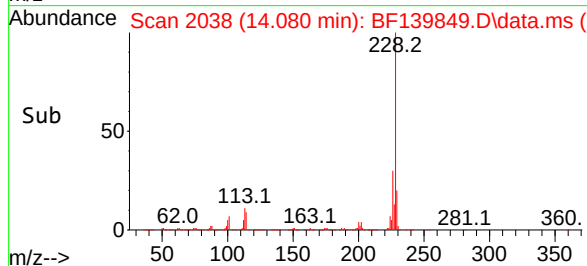
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:228 Resp: 990517
Ion Ratio Lower Upper
228 100
226 30.5 24.1 36.1
229 20.1 15.8 23.6

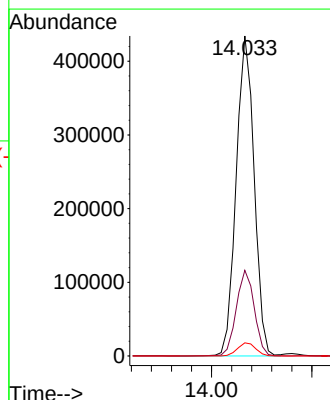
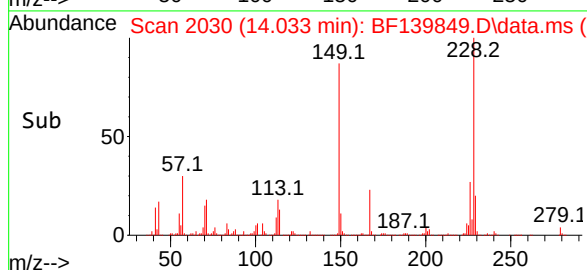
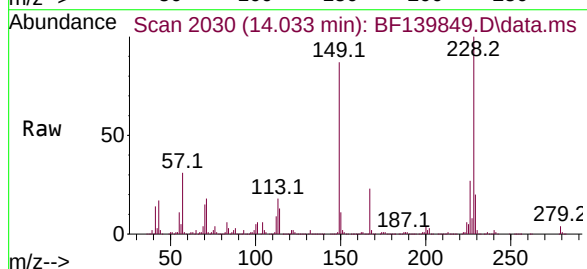
Manual Integrations
APPROVED

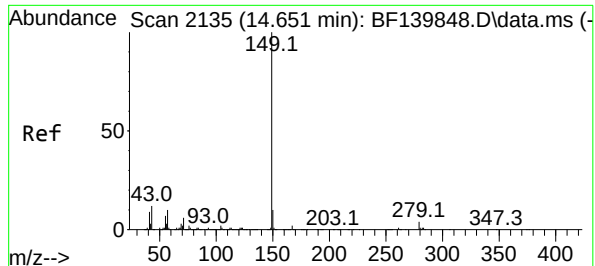
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#84
Bis(2-ethylhexyl)phthalate
Concen: 52.655 ng
RT: 14.033 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

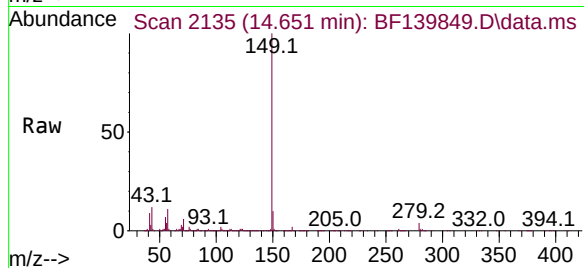
Tgt Ion:149 Resp: 541828
Ion Ratio Lower Upper
149 100
167 26.7 21.4 32.0
279 4.1 3.0 4.4





#85
Di-n-octyl phthalate
Concen: 55.195 ng
RT: 14.651 min Scan# 2135
Delta R.T. -0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

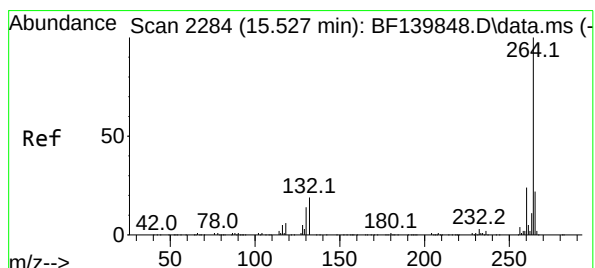
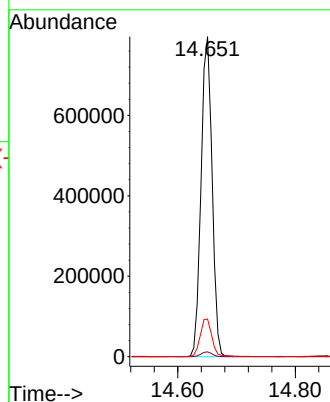
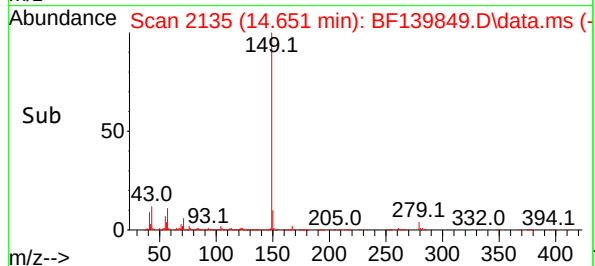
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:149 Resp: 1033054
Ion Ratio Lower Upper
149 100
167 1.5 1.2 1.8
43 12.4 9.8 14.6

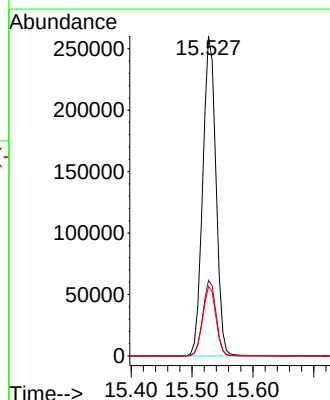
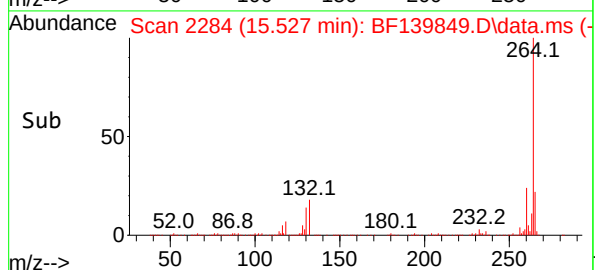
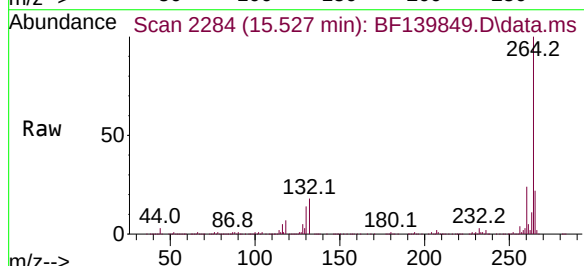
Manual Integrations
APPROVED

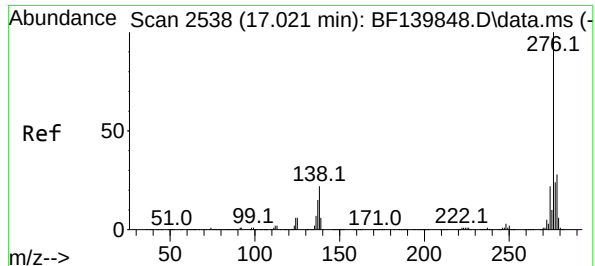
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2284
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:264 Resp: 390757
Ion Ratio Lower Upper
264 100
260 23.7 19.4 29.2
265 21.7 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 50.463 ng

RT: 17.027 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:276 Resp: 126855

Ion Ratio Lower Upper

276 100

138 25.2 20.4 30.6

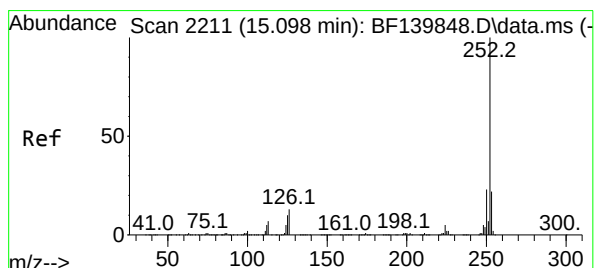
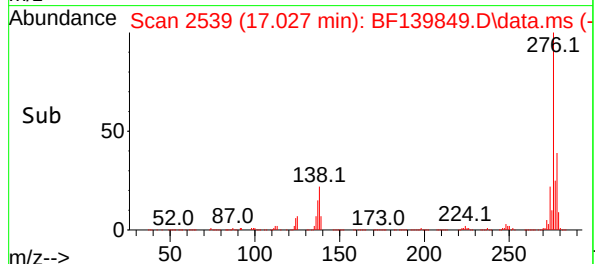
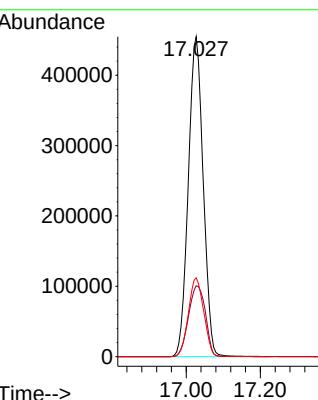
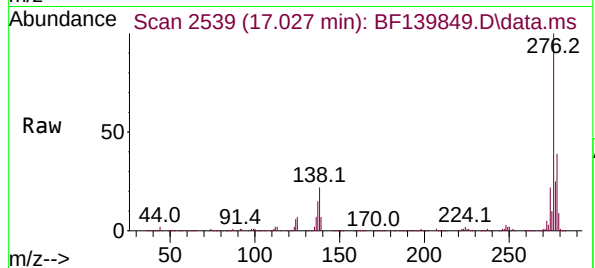
277 25.4 20.2 30.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#88

Benzo(b)fluoranthene

Concen: 45.369 ng

RT: 15.098 min Scan# 2211

Delta R.T. 0.000 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

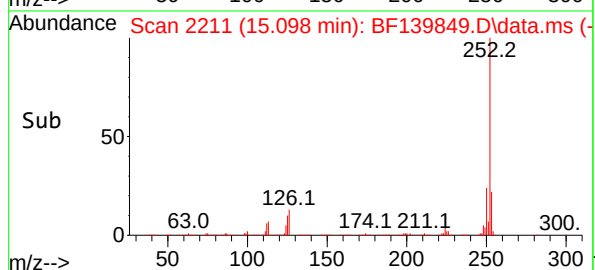
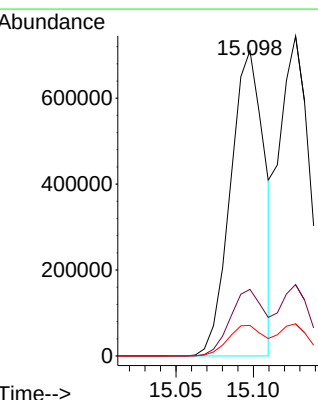
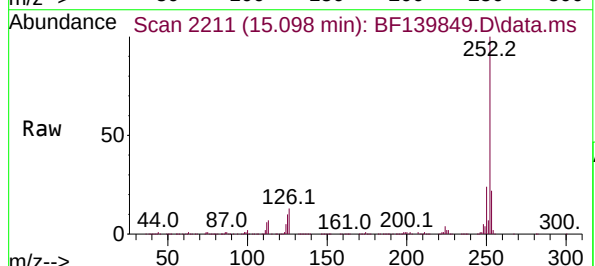
Tgt Ion:252 Resp: 1079928

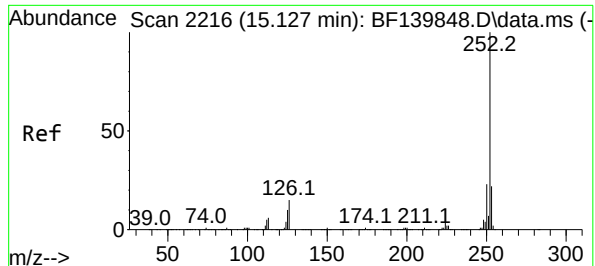
Ion Ratio Lower Upper

252 100

253 21.8 17.6 26.4

125 10.0 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 49.026 ng

RT: 15.127 min Scan# 2216

Delta R.T. 0.000 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:252 Resp: 100642

Ion Ratio Lower Upper

252 100

253 22.3 17.6 26.4

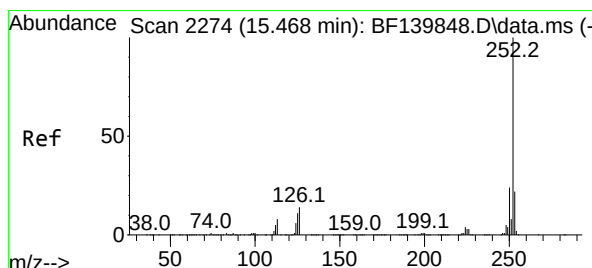
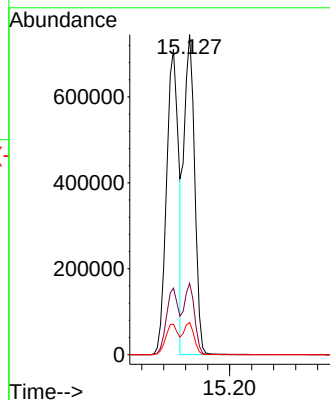
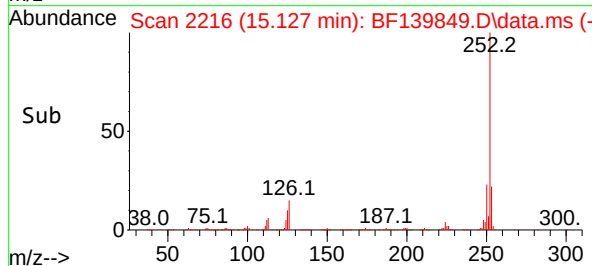
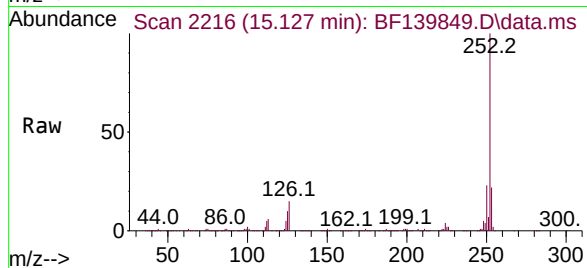
125 10.0 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#90

Benzo(a)pyrene

Concen: 48.573 ng

RT: 15.468 min Scan# 2274

Delta R.T. 0.000 min

Lab File: BF139849.D

Acq: 18 Oct 2024 12:49

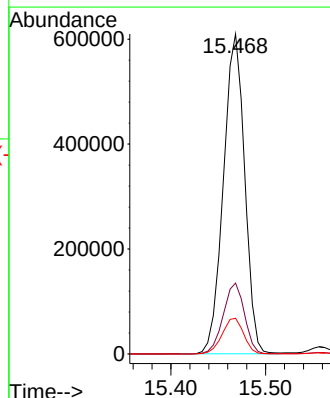
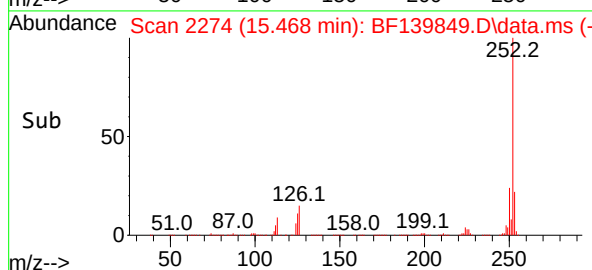
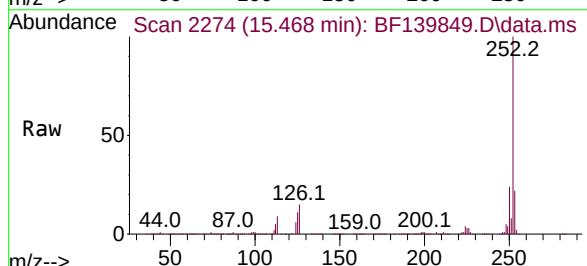
Tgt Ion:252 Resp: 951346

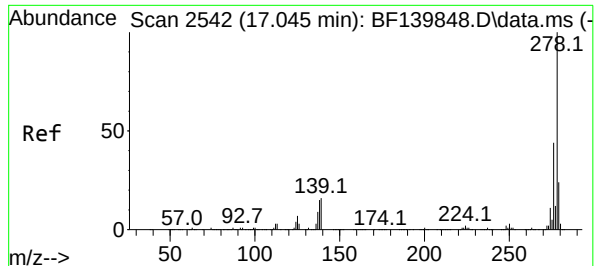
Ion Ratio Lower Upper

252 100

253 22.2 17.3 25.9

125 11.1 8.7 13.1





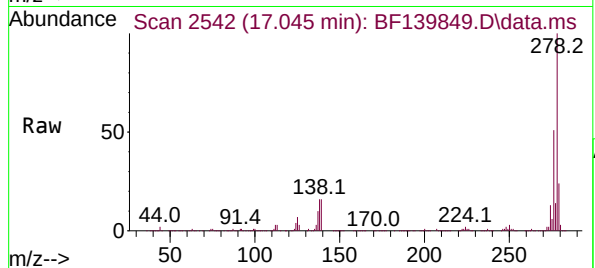
#91
Dibenzo(a,h)anthracene
Concen: 50.456 ng
RT: 17.045 min Scan# 2542
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

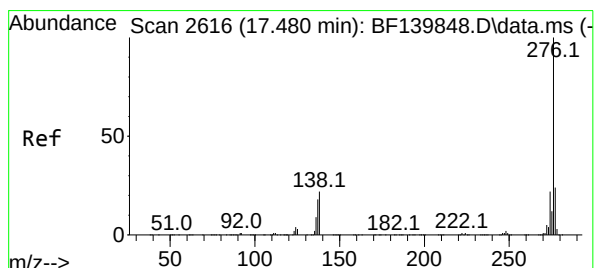
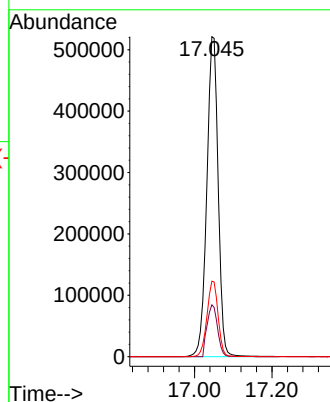
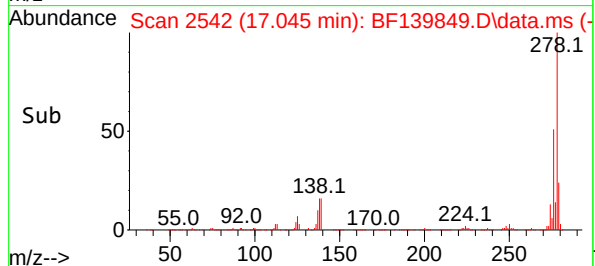


Tgt Ion:278 Resp: 1058119
Ion Ratio Lower Upper
278 100
139 16.2 13.1 19.7
279 23.6 19.0 28.4

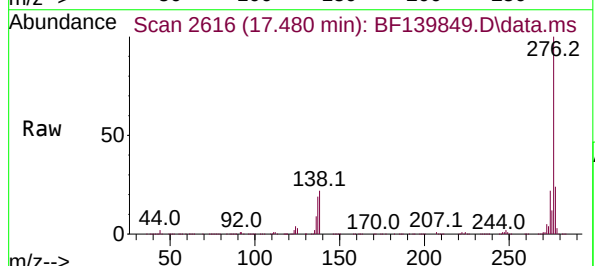
Manual Integrations

APPROVED

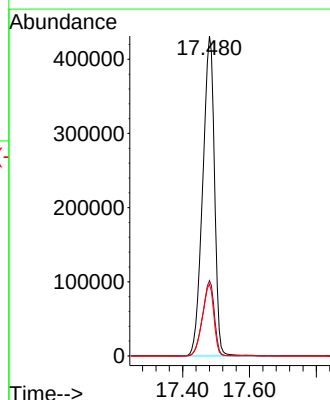
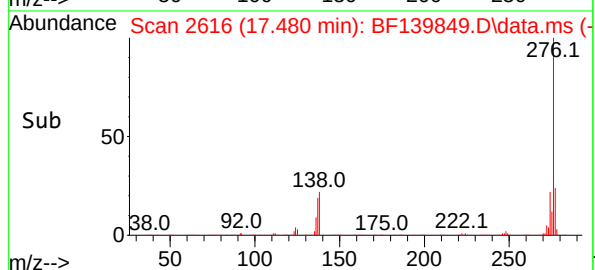
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#92
Benzo(g,h,i)perylene
Concen: 50.394 ng
RT: 17.480 min Scan# 2616
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49



Tgt Ion:276 Resp: 1055618
Ion Ratio Lower Upper
276 100
277 23.5 19.0 28.6
138 22.4 17.4 26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101824\
 Data File : BF139850.D
 Acq On : 18 Oct 2024 13:17
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/21/2024
 Supervised By :mohammad ahmed 10/21/2024

Quant Time: Oct 18 14:20:24 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 14:11:20 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	189346	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	712033	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	389299	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	667372	20.000	ng	0.00
76) Chrysene-d12	14.057	240	337032	20.000	ng	0.00
86) Perylene-d12	15.527	264	377203	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	1347774	111.432	ng	0.00
7) Phenol-d6	6.516	99	1748088	111.592	ng	0.00
23) Nitrobenzene-d5	7.457	82	1523975	118.624	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	420891	115.586	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	2475821	105.106	ng	0.00
79) Terphenyl-d14	13.004	244	2266127	109.563	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.687	88	330127	58.541	ng	98
3) Pyridine	3.446	79	798529	57.127	ng	99
4) n-Nitrosodimethylamine	3.410	42	451209	60.081	ng	98
6) Aniline	6.551	93	840113	57.544	ng	100
8) 2-Chlorophenol	6.675	128	693549	56.091	ng	96
9) Benzaldehyde	6.440	77	484510	54.980	ng	99
10) Phenol	6.528	94	909456m	55.317	ng	
11) bis(2-Chloroethyl)ether	6.628	93	709494	56.838	ng	99
12) 1,3-Dichlorobenzene	6.834	146	790296	55.679	ng	98
13) 1,4-Dichlorobenzene	6.910	146	790397	55.738	ng	99
14) 1,2-Dichlorobenzene	7.063	146	719470	54.363	ng	99
15) Benzyl Alcohol	7.028	79	650971	56.651	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.169	45	1201584	56.453	ng	99
17) 2-Methylphenol	7.134	107	603882	57.276	ng	99
18) Hexachloroethane	7.404	117	290250	57.398	ng	100
19) n-Nitroso-di-n-propyla...	7.310	70	526516	55.418	ng	99
20) 3+4-Methylphenols	7.293	107	738542	54.764	ng	93
22) Acetophenone	7.304	105	969975	55.618	ng	99
24) Nitrobenzene	7.475	77	828015	58.785	ng	98
25) Isophorone	7.716	82	1409786	57.816	ng	100
26) 2-Nitrophenol	7.787	139	344300	64.793	ng	100
27) 2,4-Dimethylphenol	7.822	122	500332	56.468	ng	99
28) bis(2-Chloroethoxy)met...	7.922	93	832755	56.369	ng	99
29) 2,4-Dichlorophenol	8.028	162	584871	57.952	ng	99
30) 1,2,4-Trichlorobenzene	8.116	180	635946	56.947	ng	99
31) Naphthalene	8.198	128	2016330	54.907	ng	99
32) Benzoic acid	7.945	122	502169	64.980	ng	98
33) 4-Chloroaniline	8.245	127	695566	55.548	ng	99
34) Hexachlorobutadiene	8.316	225	399483	56.934	ng	99
35) Caprolactam	8.622	113	188948	58.880	ng	97
36) 4-Chloro-3-methylphenol	8.716	107	646732	57.872	ng	100
37) 2-Methylnaphthalene	8.887	142	1245977	55.401	ng	99
38) 1-Methylnaphthalene	8.987	142	1211981	54.926	ng	100
40) 1,2,4,5-Tetrachloroben...	9.051	216	591461	56.315	ng	100
41) Hexachlorocyclopentadiene	9.039	237	216567	59.262	ng	100
43) 2,4,6-Trichlorophenol	9.157	196	447702	60.209	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101824\
 Data File : BF139850.D
 Acq On : 18 Oct 2024 13:17
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/21/2024
 Supervised By :mohammad ahmed 10/21/2024

Quant Time: Oct 18 14:20:24 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 14:11:20 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	431080	56.191	ng	99
46) 1,1'-Biphenyl	9.351	154	1474193	54.396	ng	99
47) 2-Chloronaphthalene	9.375	162	1214856	55.657	ng	98
48) 2-Nitroaniline	9.469	65	423080	63.375	ng	97
49) Acenaphthylene	9.792	152	1758248	55.718	ng	99
50) Dimethylphthalate	9.657	163	1358812	56.037	ng	100
51) 2,6-Dinitrotoluene	9.710	165	320076	60.963	ng	97
52) Acenaphthene	9.969	154	1148095	56.242	ng	98
53) 3-Nitroaniline	9.881	138	328790	60.726	ng	98
54) 2,4-Dinitrophenol	9.981	184	131611	61.938	ng #	29
55) Dibenzofuran	10.139	168	1605572	54.819	ng	100
56) 4-Nitrophenol	10.028	139	256728	61.631	ng	100
57) 2,4-Dinitrotoluene	10.116	165	410361	63.558	ng	99
58) Fluorene	10.481	166	1192018	53.435	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.251	232	342475	56.946	ng	99
60) Diethylphthalate	10.351	149	1355992	56.954	ng	99
61) 4-Chlorophenyl-phenyle...	10.469	204	606730	53.858	ng	98
62) 4-Nitroaniline	10.498	138	314525	61.507	ng	98
63) Azobenzene	10.633	77	1415762	56.090	ng	99
65) 4,6-Dinitro-2-methylph...	10.522	198	184974	67.951	ng	99
66) n-Nitrosodiphenylamine	10.592	169	1122831	56.214	ng	100
67) 4-Bromophenyl-phenylether	10.963	248	392570	57.100	ng	98
68) Hexachlorobenzene	11.028	284	442187	57.187	ng	98
69) Atrazine	11.116	200	307149	56.767	ng	99
70) Pentachlorophenol	11.216	266	289014	61.587	ng	99
71) Phenanthrene	11.439	178	1721763	54.618	ng	99
72) Anthracene	11.492	178	1667221	54.206	ng	99
73) Carbazole	11.645	167	1545085	54.015	ng	99
74) Di-n-butylphthalate	11.975	149	1819929	55.069	ng	100
75) Fluoranthene	12.627	202	1671405	52.448	ng	99
77) Benzidine	12.745	184	205548	37.499	ng	99
78) Pyrene	12.857	202	1667489	56.522	ng	99
80) Butylbenzylphthalate	13.474	149	537039	60.719	ng	98
81) Benzo(a)anthracene	14.045	228	1250382	56.992	ng	100
82) 3,3'-Dichlorobenzidine	14.004	252	386072	60.353	ng	99
83) Chrysene	14.080	228	1163808	57.855	ng	100
84) Bis(2-ethylhexyl)phtha...	14.033	149	632594	63.749	ng	100
85) Di-n-octyl phthalate	14.651	149	1220737	67.634	ng	100
87) Indeno(1,2,3-cd)pyrene	17.027	276	1500084	61.817	ng	99
88) Benzo(b)fluoranthene	15.098	252	1402395	61.033	ng	100
89) Benzo(k)fluoranthene	15.127	252	1051303	53.053	ng	100
90) Benzo(a)pyrene	15.468	252	1129942	59.764	ng	100
91) Dibenzo(a,h)anthracene	17.051	278	1228124	60.667	ng	99
92) Benzo(g,h,i)perylene	17.486	276	1238955	61.272	ng	100

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

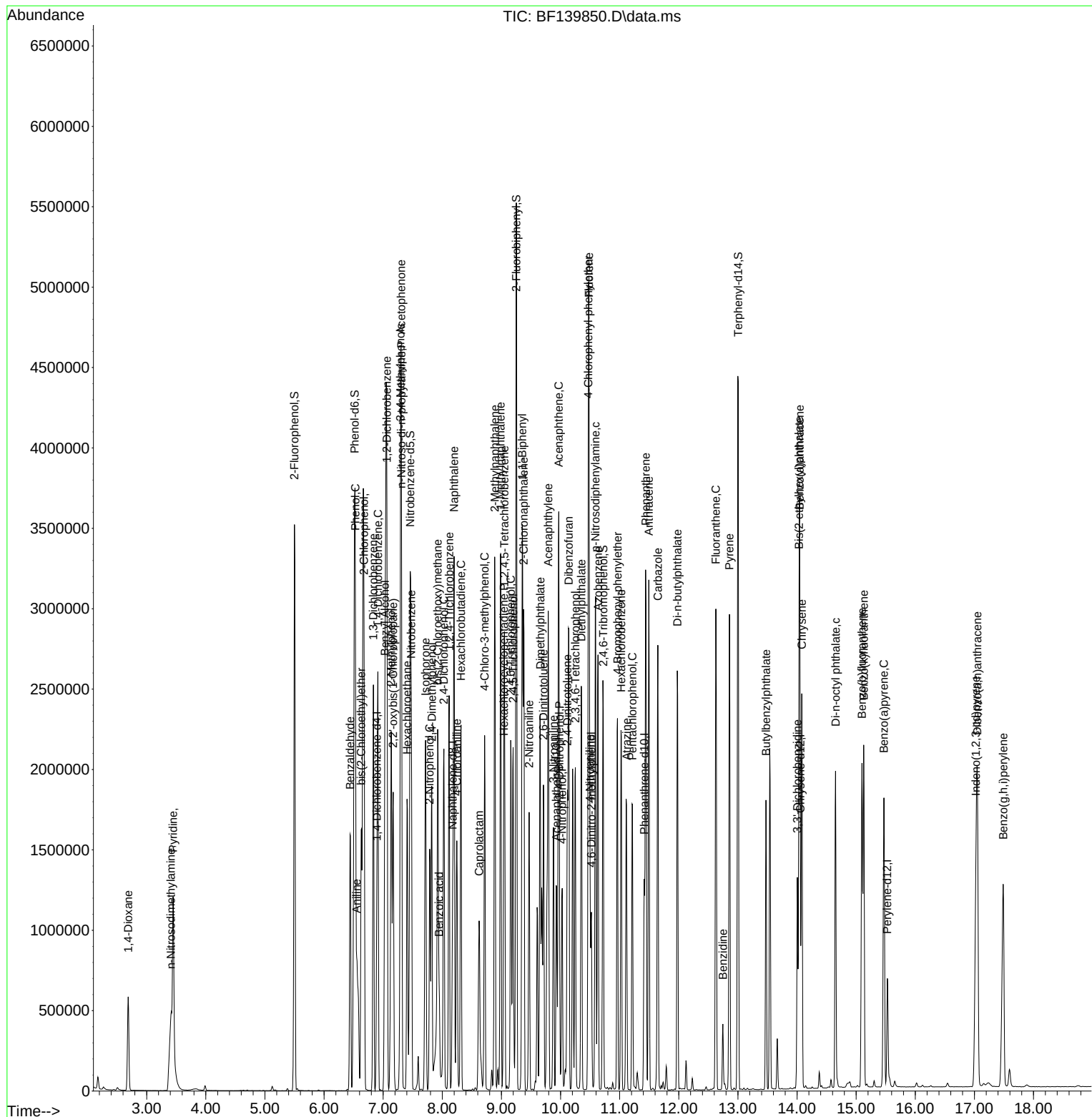
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101824\
Data File : BF139850.D
Acq On : 18 Oct 2024 13:17
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

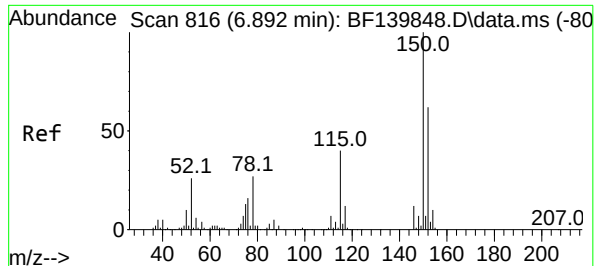
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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Supervised By :mohammad ahmed 10/21/2024

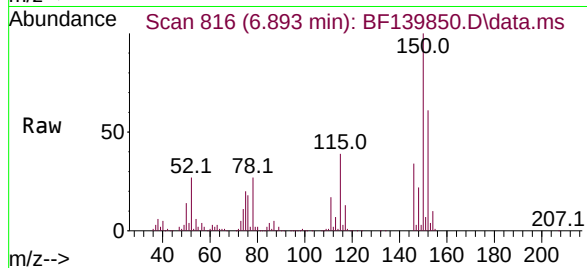
Quant Time: Oct 18 14:20:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 14:11:20 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 816
Delta R.T. 0.001 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

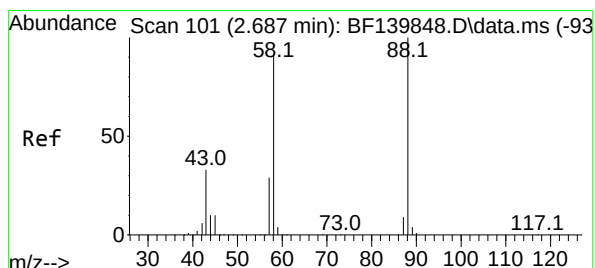
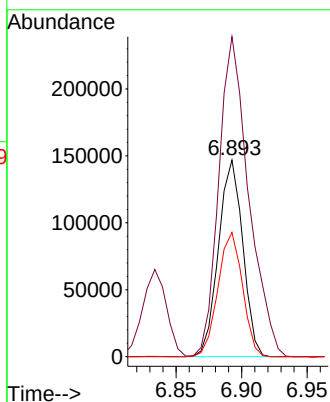
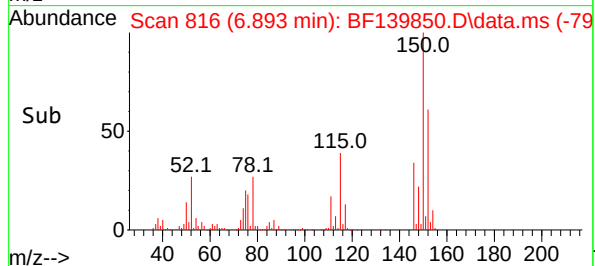
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:152 Resp: 189340
Ion Ratio Lower Upper
152 100
150 162.7 130.2 195.2
115 63.2 51.4 77.2

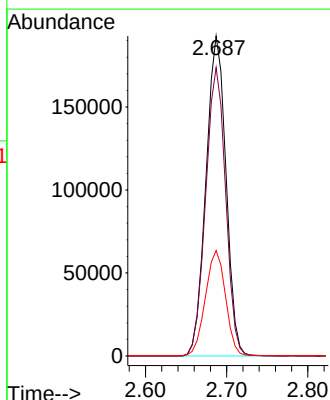
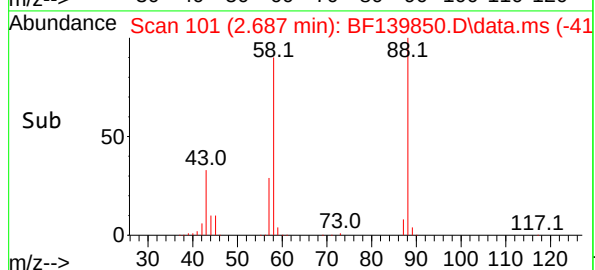
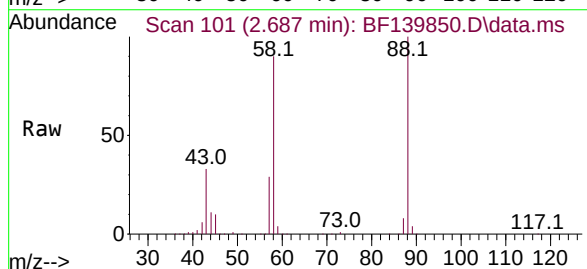
Manual Integrations
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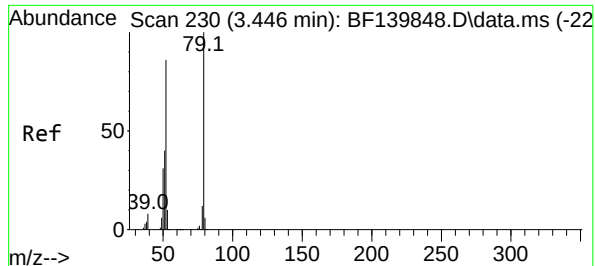
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#2
1,4-Dioxane
Concen: 58.541 ng
RT: 2.687 min Scan# 101
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion: 88 Resp: 330127
Ion Ratio Lower Upper
88 100
58 89.7 73.3 109.9
43 33.0 27.1 40.7





#3

Pyridine

Concen: 57.127 ng

RT: 3.446 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF139850.D

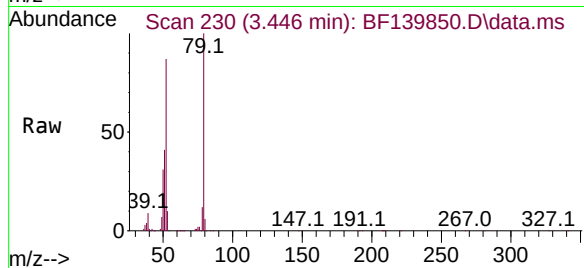
Acq: 18 Oct 2024 13:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC060



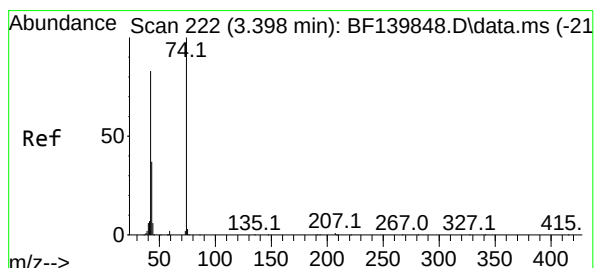
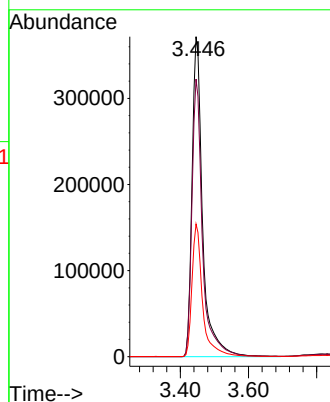
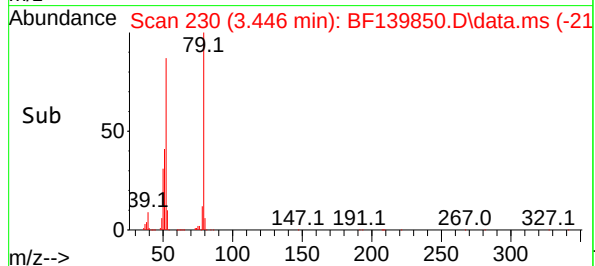
Tgt Ion:	79	Resp:	798529
Ion	Ratio	Lower	Upper
79	100		
52	86.8	68.5	102.7
51	41.4	32.3	48.5

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Supervised By :mohammad ahmed 10/21/2024



#4

n-Nitrosodimethylamine

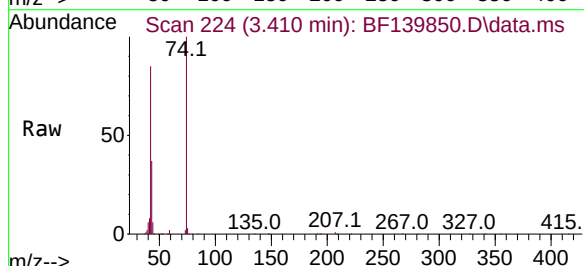
Concen: 60.081 ng

RT: 3.410 min Scan# 224

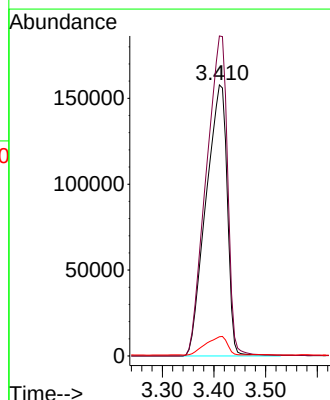
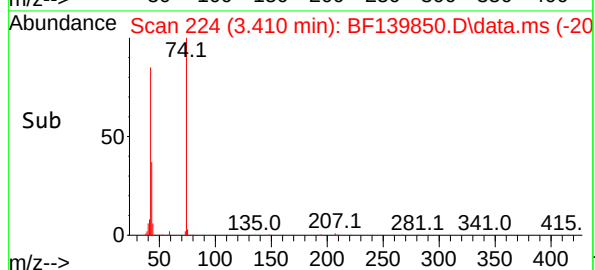
Delta R.T. 0.012 min

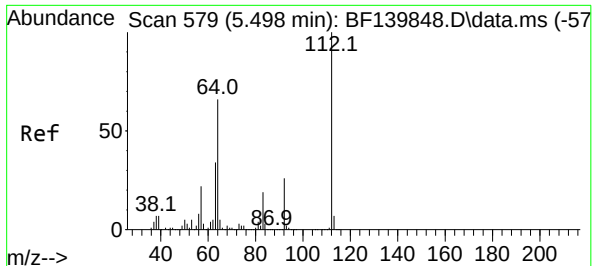
Lab File: BF139850.D

Acq: 18 Oct 2024 13:17



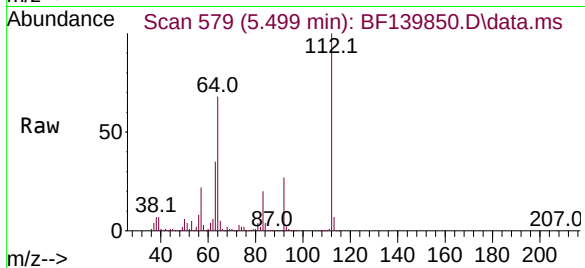
Tgt Ion:	42	Resp:	451209
Ion	Ratio	Lower	Upper
42	100		
74	118.0	96.2	144.4
44	7.1	6.2	9.2





#5
2-Fluorophenol
Concen: 111.432 ng
RT: 5.499 min Scan# 51
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

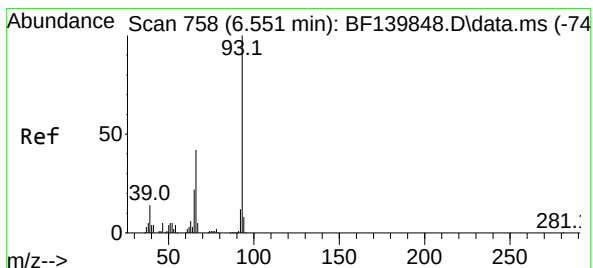
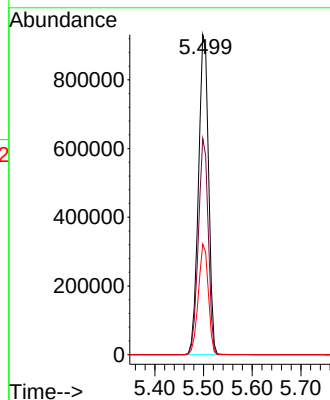
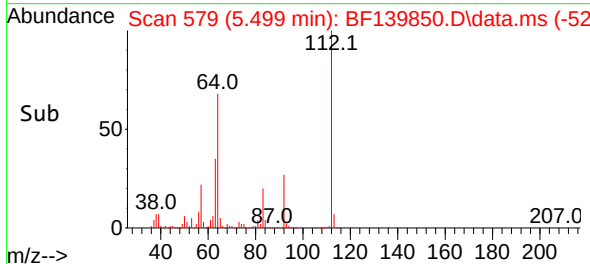
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion: 112 Resp: 1347774
Ion Ratio Lower Upper
112 100
64 67.5 53.0 79.6
63 34.5 27.0 40.4

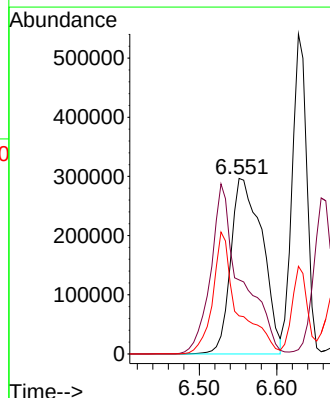
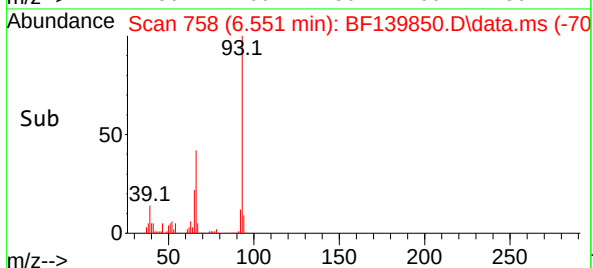
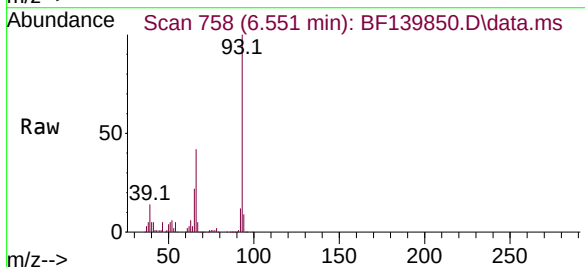
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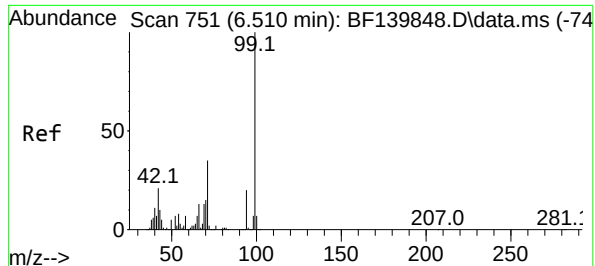
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#6
Aniline
Concen: 57.544 ng
RT: 6.551 min Scan# 758
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

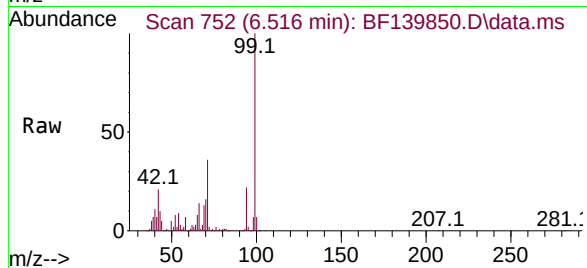
Tgt Ion: 93 Resp: 840113
Ion Ratio Lower Upper
93 100
66 42.2 34.0 51.0
65 21.7 17.4 26.0





#7
Phenol-d6
Concen: 111.592 ng
RT: 6.516 min Scan# 751
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

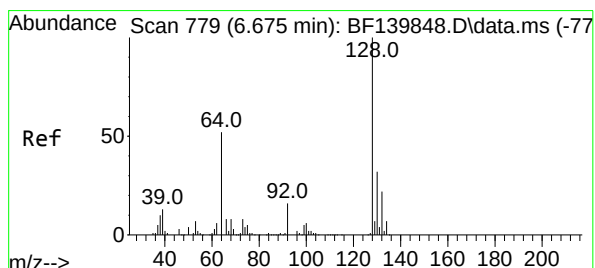
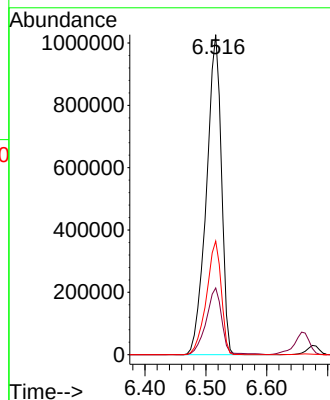
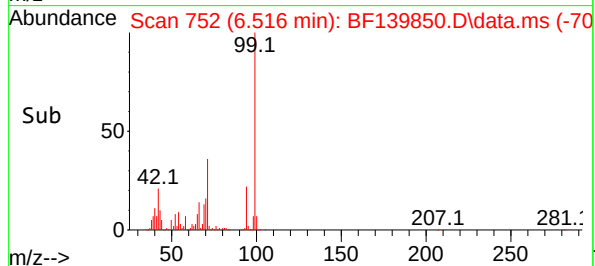
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion: 99 Resp: 174808
Ion Ratio Lower Upper
99 100
42 20.9 16.7 25.1
71 35.5 27.7 41.5

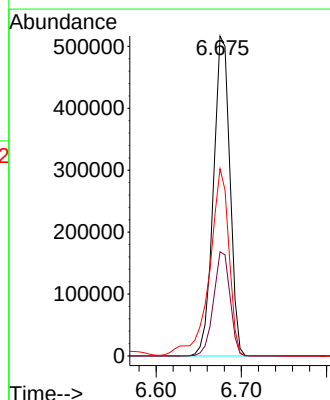
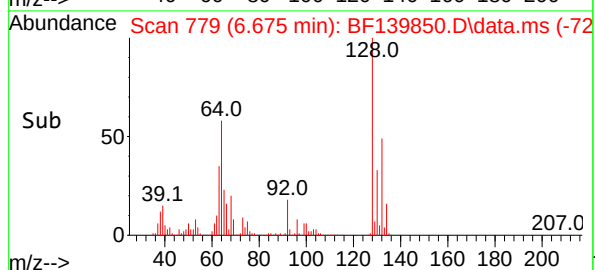
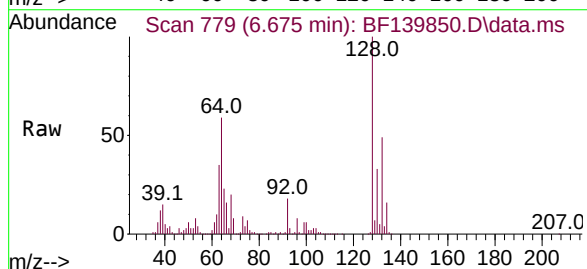
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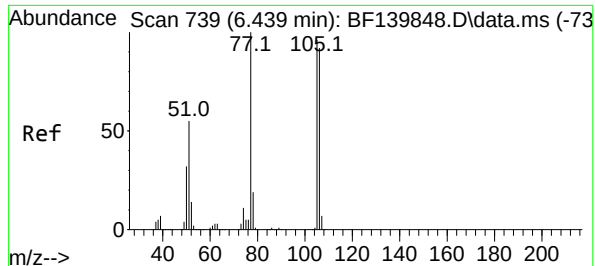
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#8
2-Chlorophenol
Concen: 56.091 ng
RT: 6.675 min Scan# 779
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:128 Resp: 693549
Ion Ratio Lower Upper
128 100
130 32.5 12.3 52.3
64 58.5 34.6 74.6





#9

Benzaldehyde

Concen: 54.980 ng

RT: 6.440 min Scan# 739

Delta R.T. 0.001 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion: 77 Resp: 484510

Ion Ratio Lower Upper

77 100

105 95.6 75.5 115.5

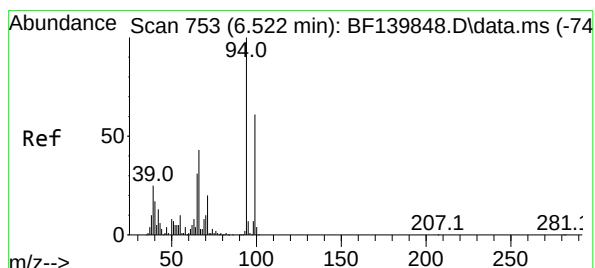
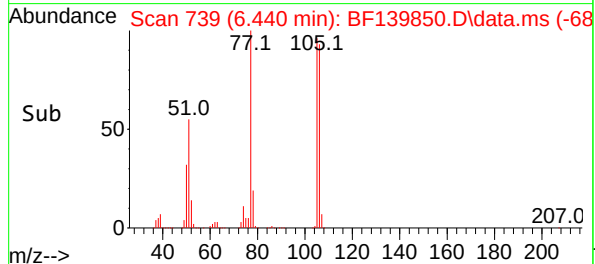
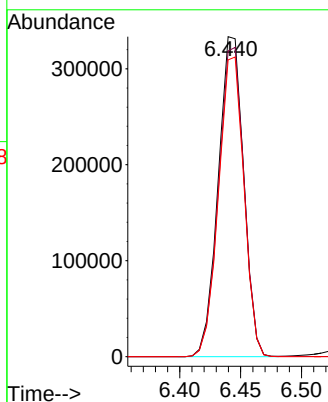
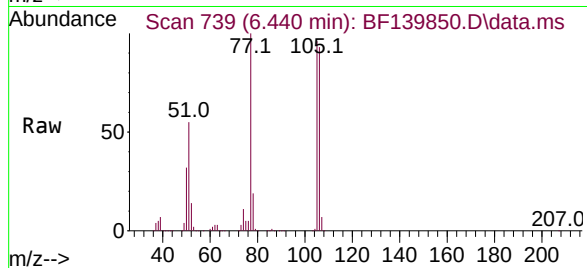
106 92.7 71.7 111.7

Manual Integrations

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Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#10

Phenol

Concen: 55.317 ng m

RT: 6.528 min Scan# 754

Delta R.T. 0.006 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

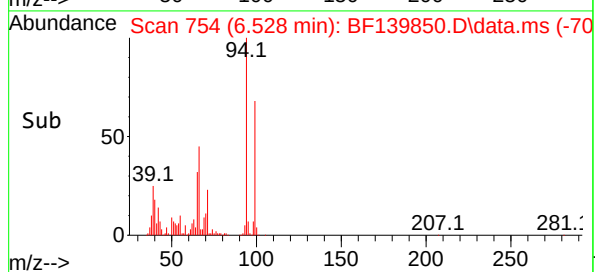
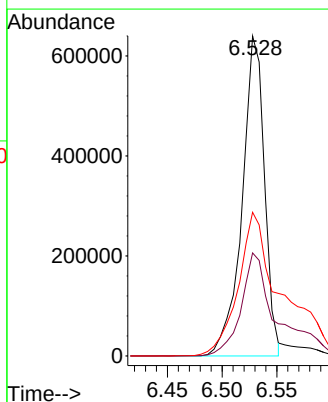
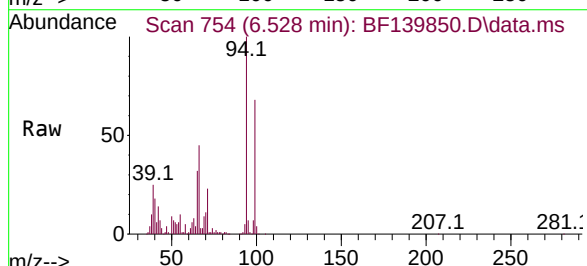
Tgt Ion: 94 Resp: 909456

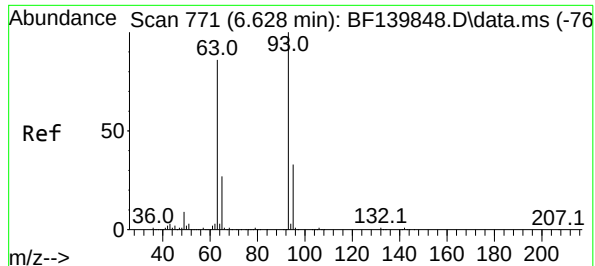
Ion Ratio Lower Upper

94 100

65 32.2 11.1 51.1

66 44.9 22.7 62.7





#11

bis(2-Chloroethyl)ether

Concen: 56.838 ng

RT: 6.628 min Scan# 771

Delta R.T. 0.000 min

Lab File: BF139850.D

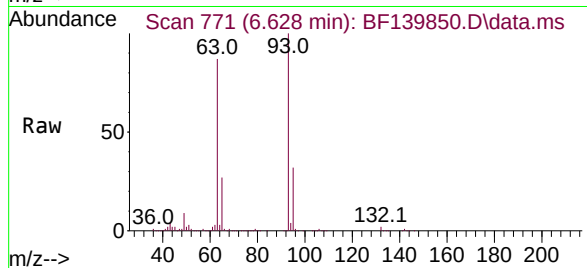
Acq: 18 Oct 2024 13:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC060



Tgt Ion: 93 Resp: 709494

Ion Ratio Lower Upper

93 100

63 86.7 65.0 105.0

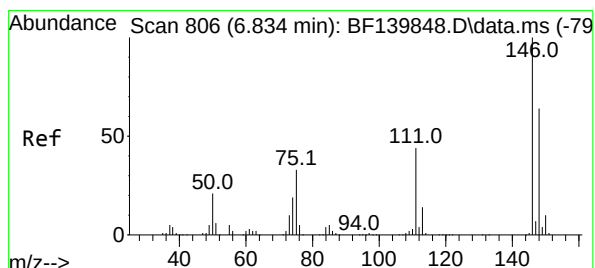
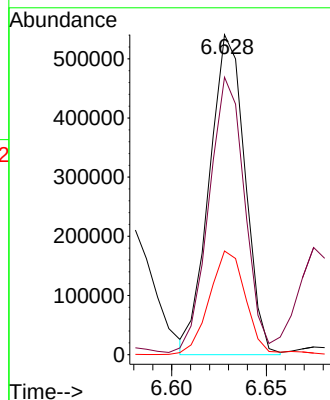
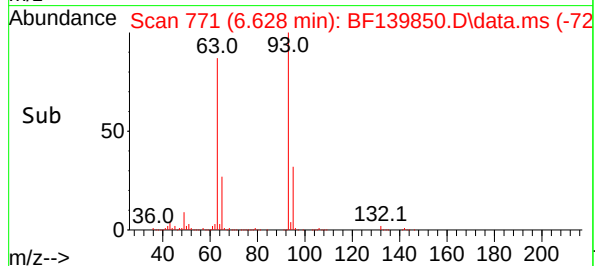
95 32.4 12.4 52.4

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Supervised By :mohammad ahmed 10/21/2024



#12

1,3-Dichlorobenzene

Concen: 55.679 ng

RT: 6.834 min Scan# 806

Delta R.T. 0.000 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

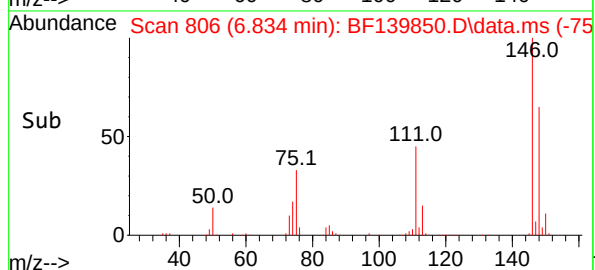
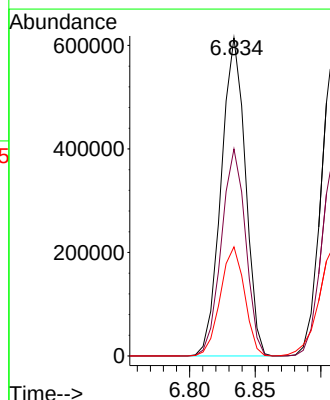
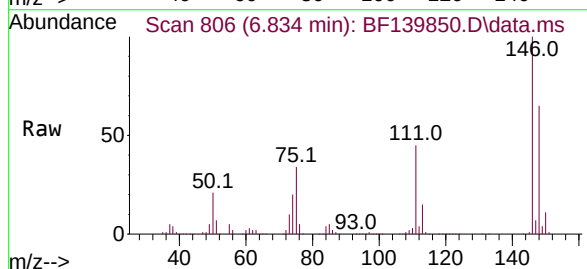
Tgt Ion:146 Resp: 790296

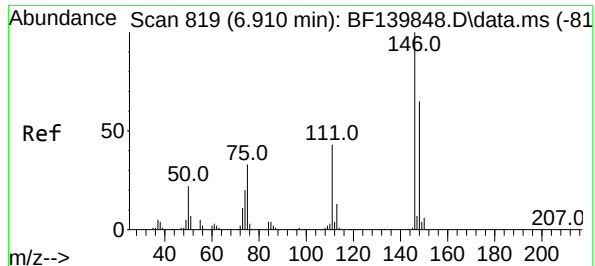
Ion Ratio Lower Upper

146 100

148 65.1 51.0 76.4

75 34.3 26.4 39.6





#13

1,4-Dichlorobenzene

Concen: 55.738 ng

RT: 6.910 min Scan# 819

Delta R.T. 0.000 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

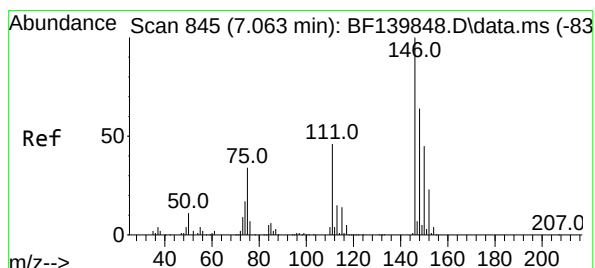
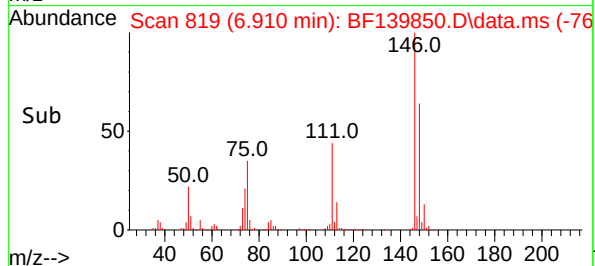
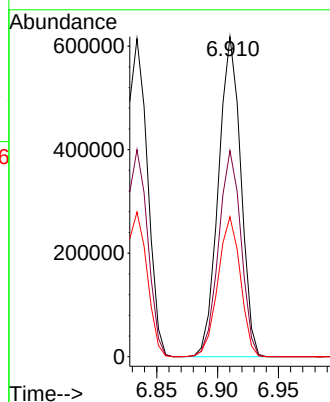
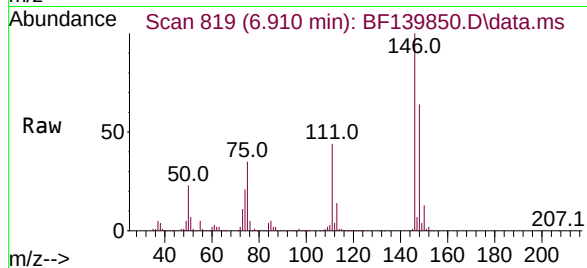
Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:146	Resp:	79039
Ion Ratio	Lower	Upper
146	100	
148	64.4	51.8 77.8
111	43.7	34.6 51.8

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Supervised By :mohammad ahmed 10/21/2024

#14

1,2-Dichlorobenzene

Concen: 54.363 ng

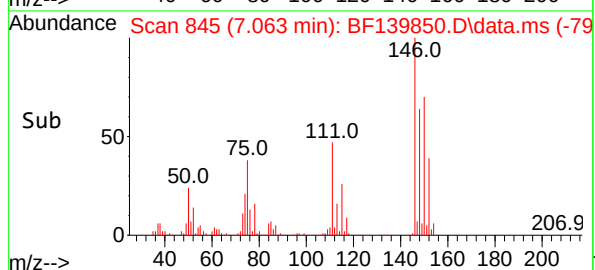
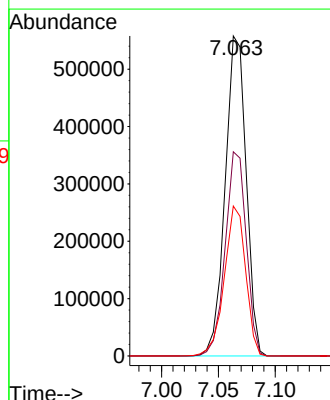
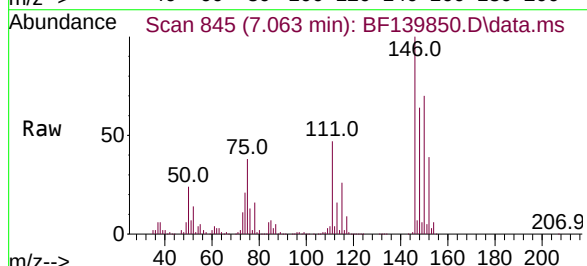
RT: 7.063 min Scan# 845

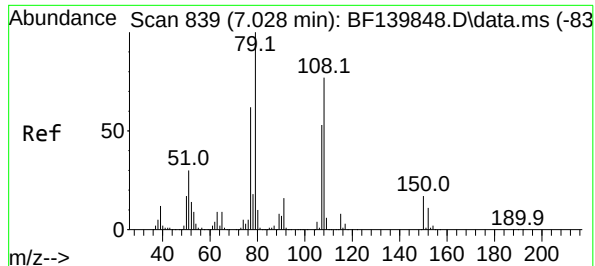
Delta R.T. 0.000 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

Tgt Ion:146	Resp:	719470
Ion Ratio	Lower	Upper
146	100	
148	63.8	51.4 77.2
111	46.8	36.7 55.1





#15

Benzyl Alcohol

Concen: 56.651 ng

RT: 7.028 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion: 79 Resp: 65097

Ion Ratio Lower Upper

79 100

108 74.3 61.4 92.0

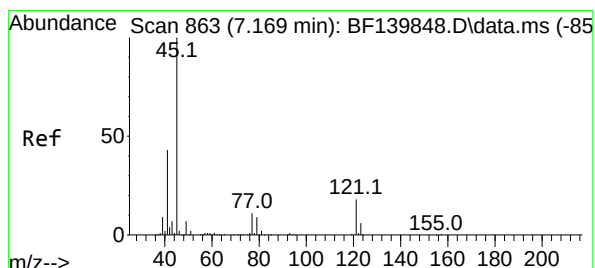
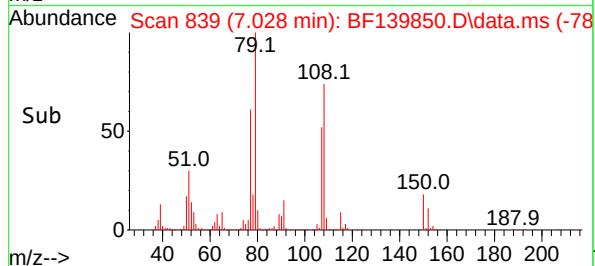
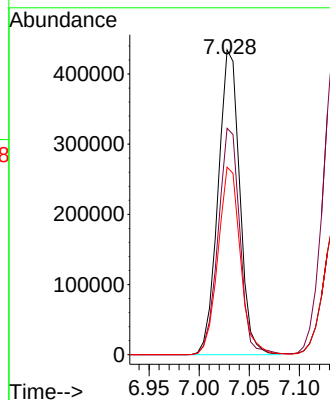
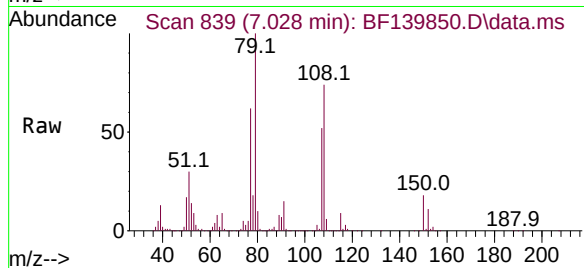
77 61.5 49.9 74.9

Manual Integrations

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Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#16

2,2'-oxybis(1-chloropropane)

Concen: 56.453 ng

RT: 7.169 min Scan# 863

Delta R.T. 0.000 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

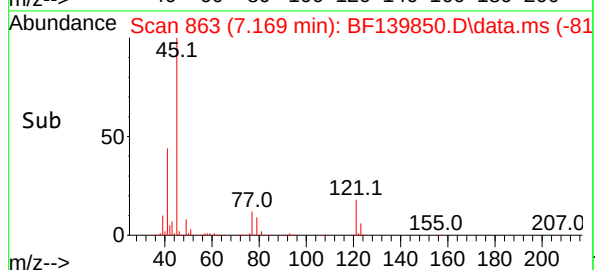
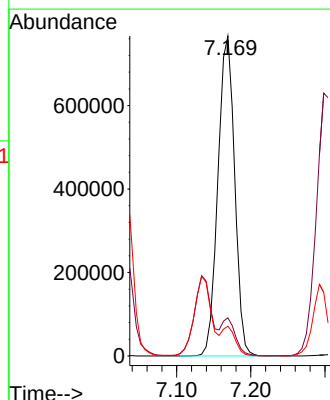
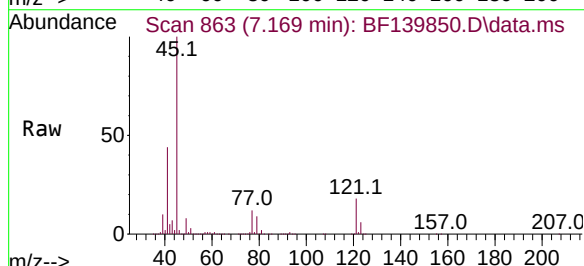
Tgt Ion: 45 Resp: 1201584

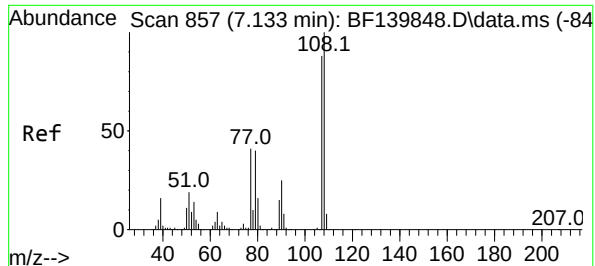
Ion Ratio Lower Upper

45 100

77 11.9 0.0 31.5

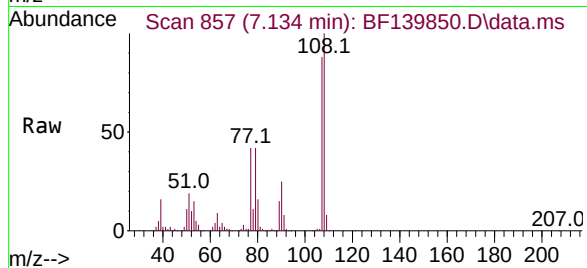
79 9.3 0.0 29.1





#17
2-Methylphenol
Concen: 57.276 ng
RT: 7.134 min Scan# 857
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

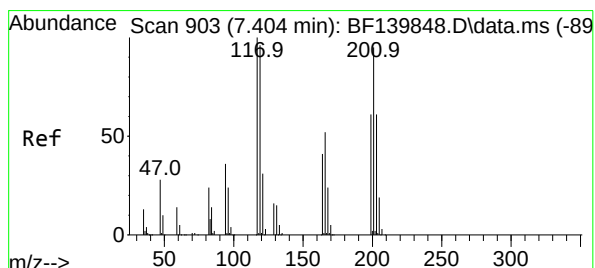
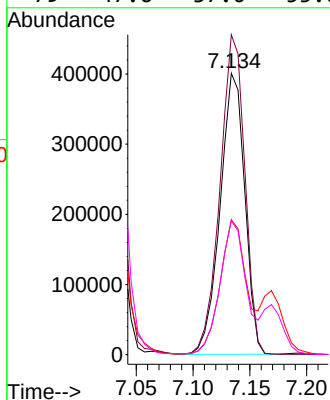
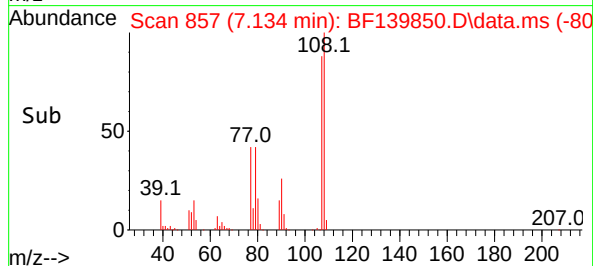
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:107 Resp: 60388
Ion Ratio Lower Upper
107 100
108 113.7 91.3 136.9
77 48.0 37.1 55.7
79 47.6 37.0 55.6

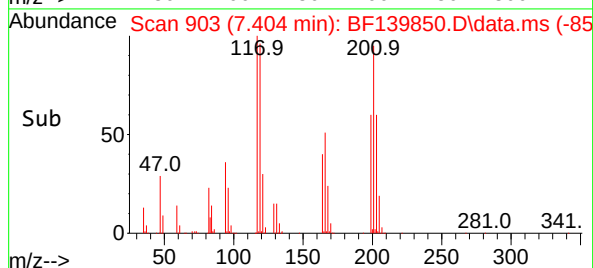
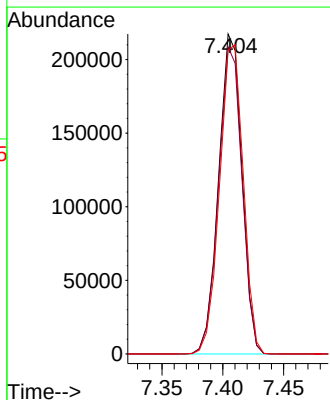
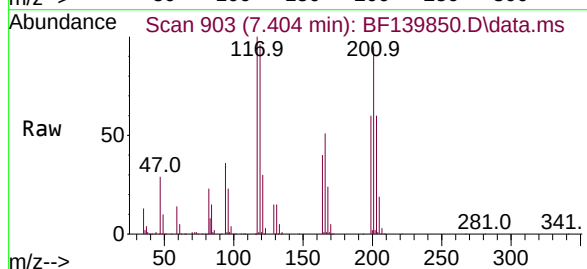
Manual Integrations
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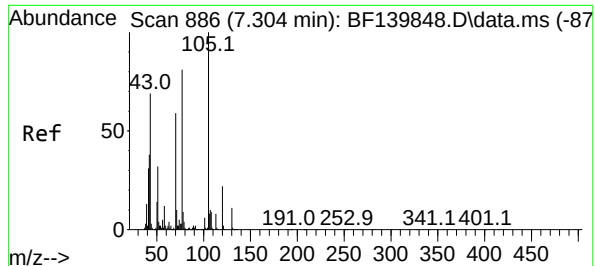
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#18
Hexachloroethane
Concen: 57.398 ng
RT: 7.404 min Scan# 903
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:117 Resp: 290250
Ion Ratio Lower Upper
117 100
119 96.0 77.0 115.4
201 94.9 76.2 114.4





#19

n-Nitroso-di-n-propylamine

Concen: 55.418 ng

RT: 7.310 min Scan# 886

Delta R.T. 0.006 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion: 70 Resp: 526510

Ion Ratio Lower Upper

70 100

42 63.7 51.5 77.3

101 9.7 7.5 11.3

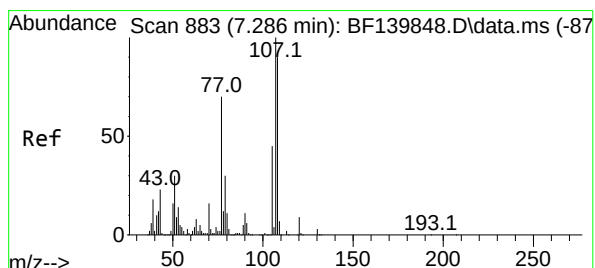
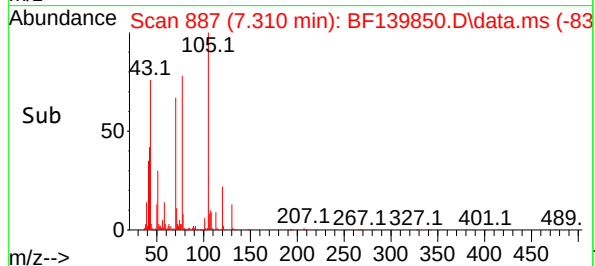
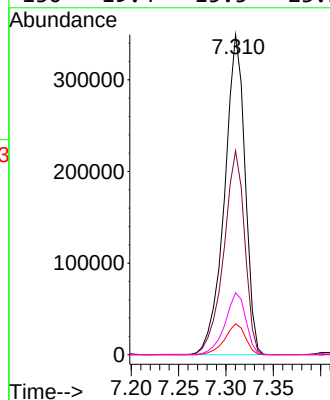
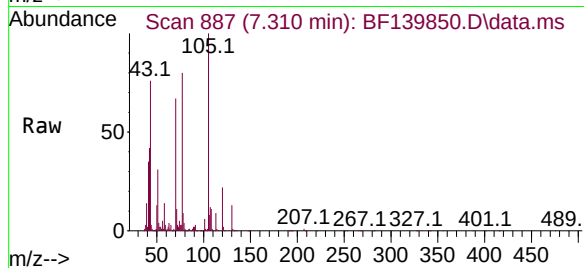
130 19.4 15.5 23.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#20

3+4-Methylphenols

Concen: 54.764 ng

RT: 7.293 min Scan# 884

Delta R.T. 0.006 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

Tgt Ion:107 Resp: 738542

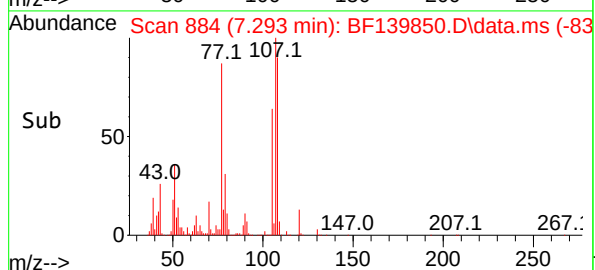
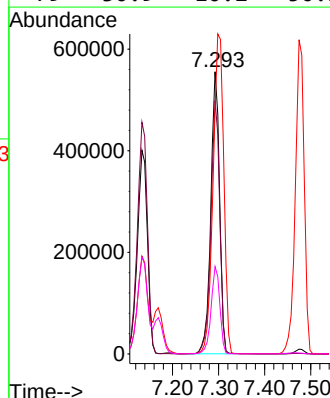
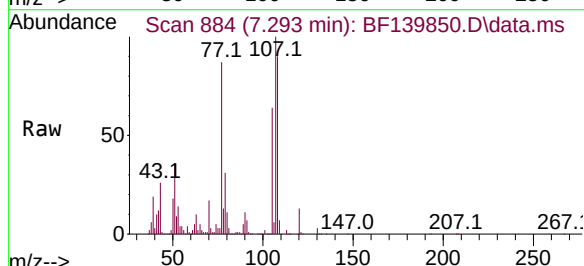
Ion Ratio Lower Upper

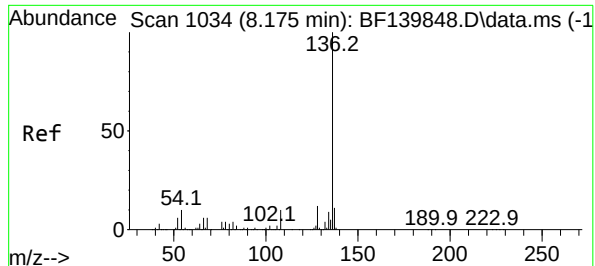
107 100

108 89.8 69.8 109.8

77 86.6 50.5 90.5

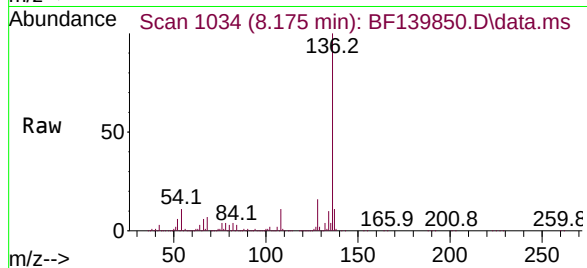
79 30.9 10.2 50.2





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1034
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

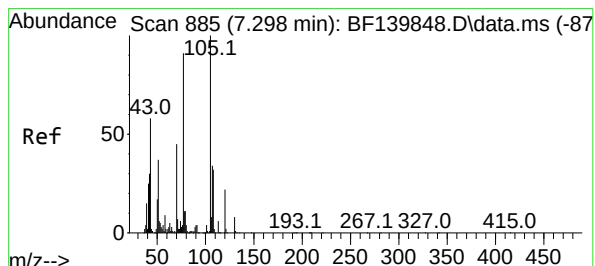
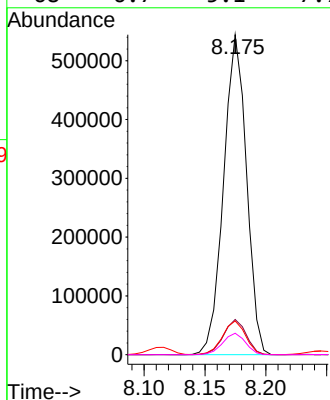
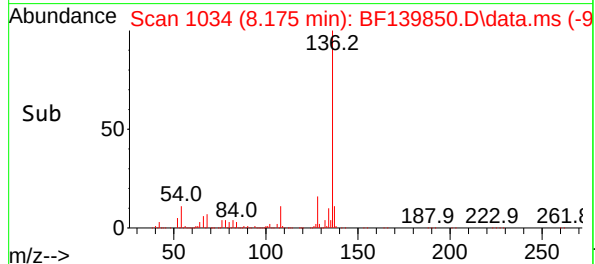
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:136 Resp: 712033
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 10.6 8.4 12.6
68 6.7 5.1 7.7

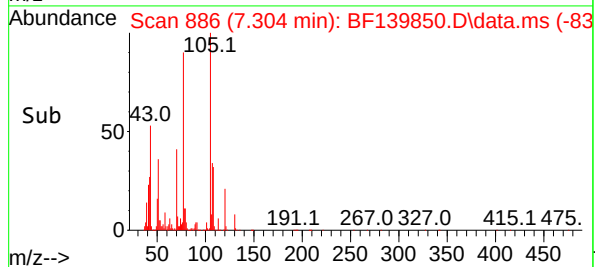
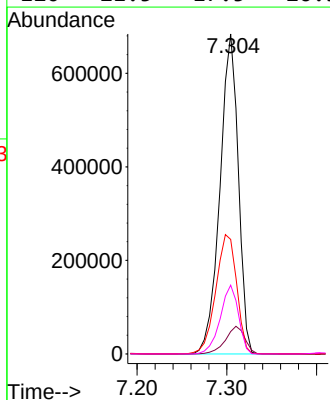
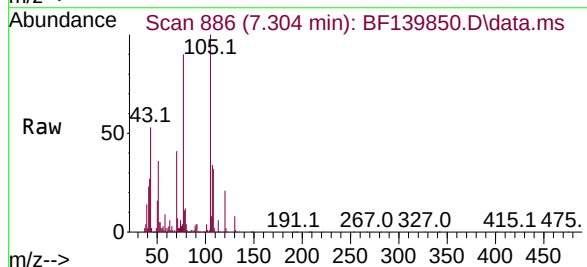
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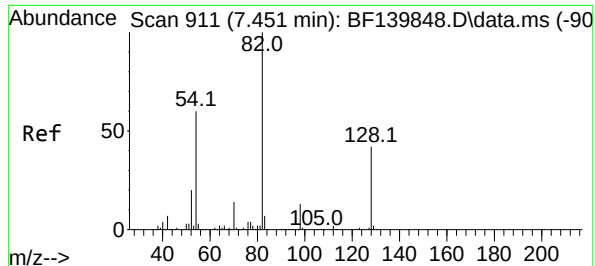
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#22
Acetophenone
Concen: 55.618 ng
RT: 7.304 min Scan# 886
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:105 Resp: 969975
Ion Ratio Lower Upper
105 100
71 7.0 5.9 8.9
51 35.8 29.4 44.2
120 21.5 17.5 26.3





#23

Nitrobenzene-d5

Concen: 118.624 ng

RT: 7.457 min Scan# 911

Delta R.T. 0.006 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion: 82 Resp: 152397

Ion Ratio Lower Upper

82 100

128 42.1 33.4 50.0

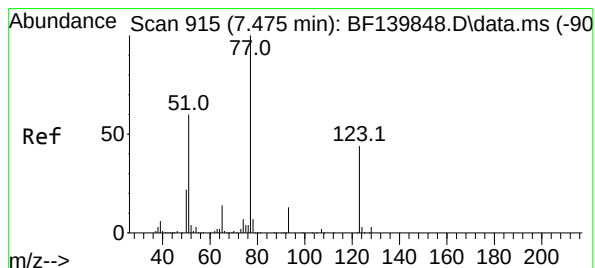
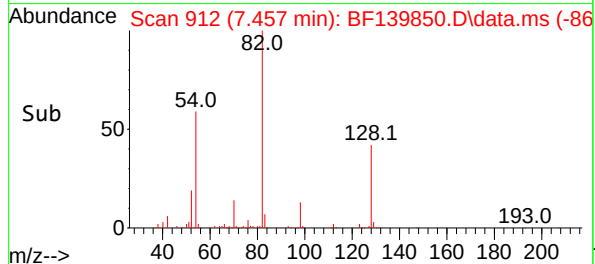
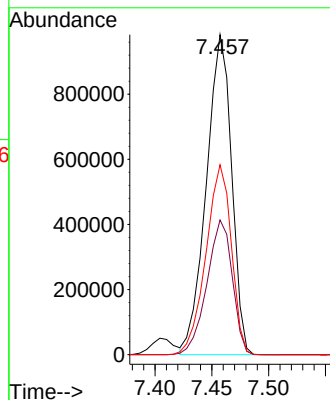
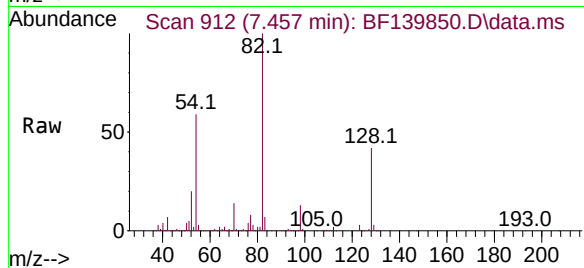
54 59.3 47.8 71.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#24

Nitrobenzene

Concen: 58.785 ng

RT: 7.475 min Scan# 915

Delta R.T. 0.000 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

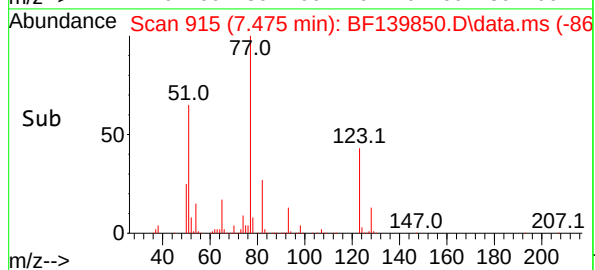
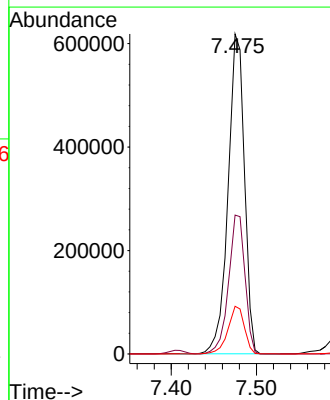
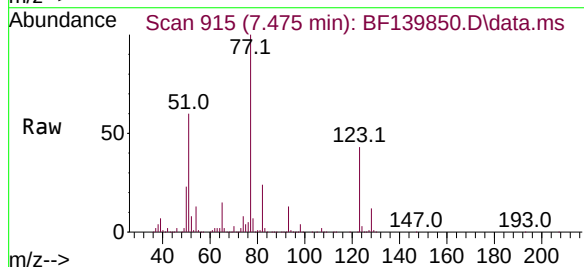
Tgt Ion: 77 Resp: 828015

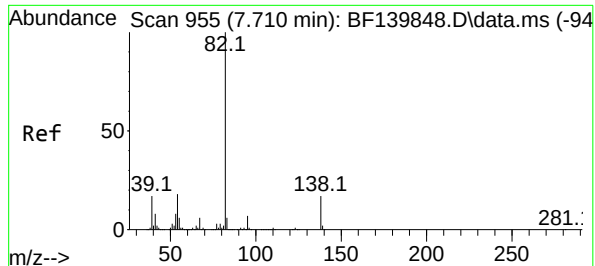
Ion Ratio Lower Upper

77 100

123 43.4 35.7 53.5

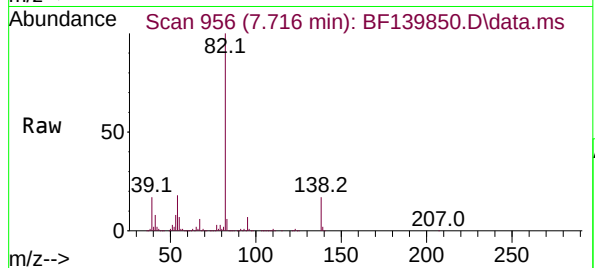
65 14.9 11.5 17.3





#25
Isophorone
Concen: 57.816 ng
RT: 7.716 min Scan# 955
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

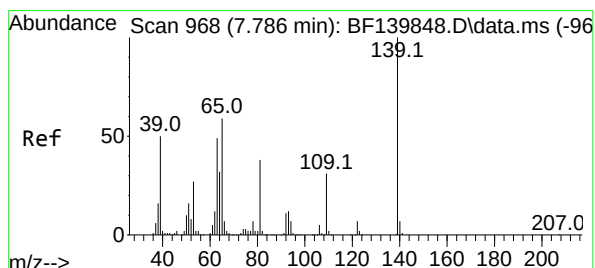
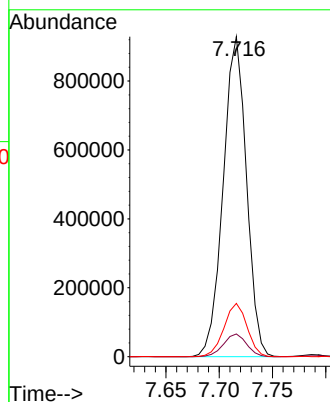
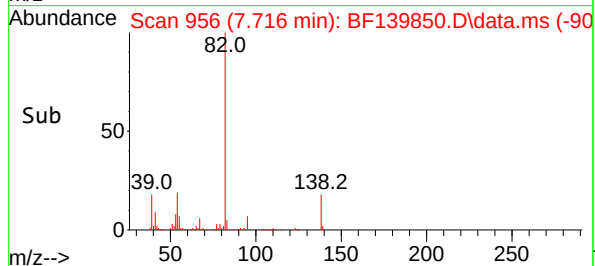
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion: 82 Resp: 1409780
Ion Ratio Lower Upper
82 100
95 7.1 5.5 8.3
138 16.7 13.2 19.8

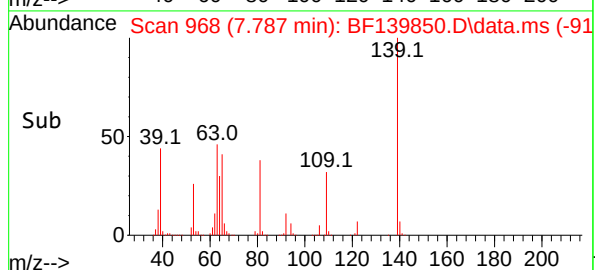
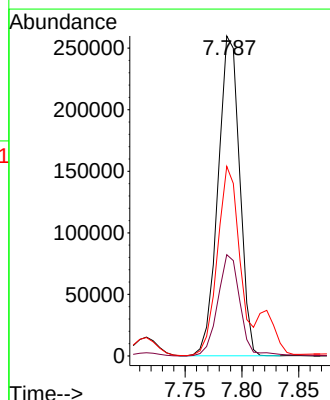
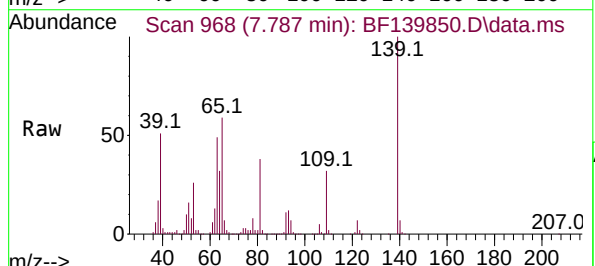
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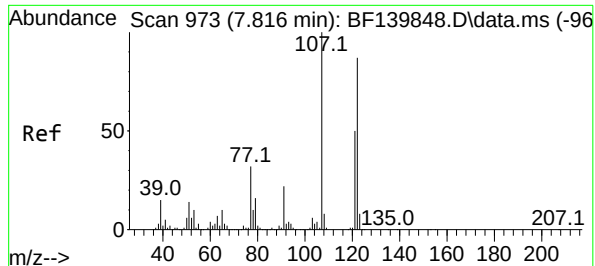
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#26
2-Nitrophenol
Concen: 64.793 ng
RT: 7.787 min Scan# 968
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:139 Resp: 344300
Ion Ratio Lower Upper
139 100
109 31.6 25.1 37.7
65 59.3 47.5 71.3





#27

2,4-Dimethylphenol

Concen: 56.468 ng

RT: 7.822 min Scan# 91

Delta R.T. 0.006 min

Lab File: BF139850.D

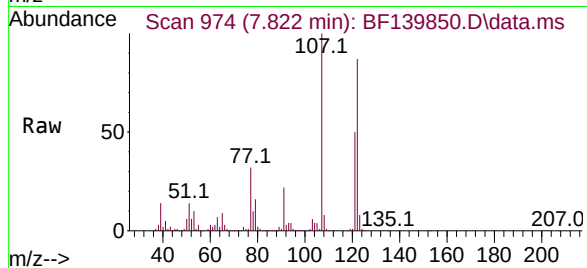
Acq: 18 Oct 2024 13:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC060



Tgt Ion:122 Resp: 50033

Ion Ratio Lower Upper

122 100

107 115.6 91.9 137.9

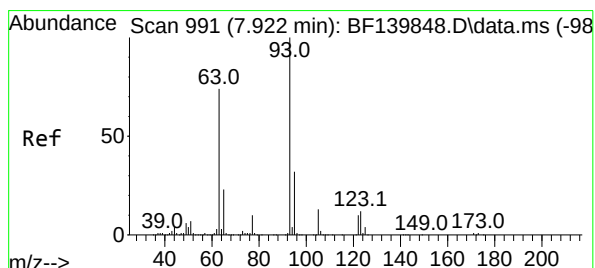
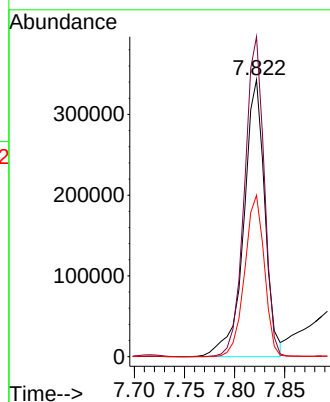
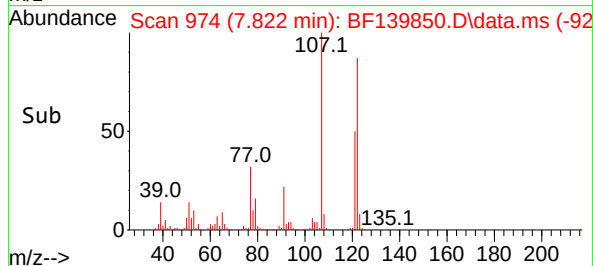
121 58.3 46.2 69.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#28

bis(2-Chloroethoxy)methane

Concen: 56.369 ng

RT: 7.922 min Scan# 991

Delta R.T. 0.000 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

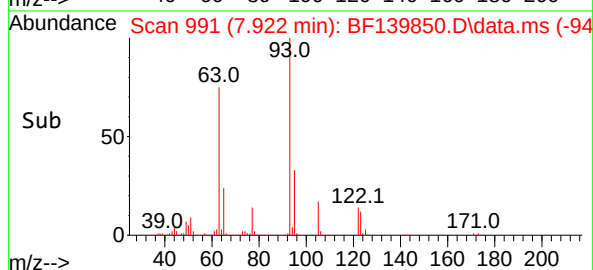
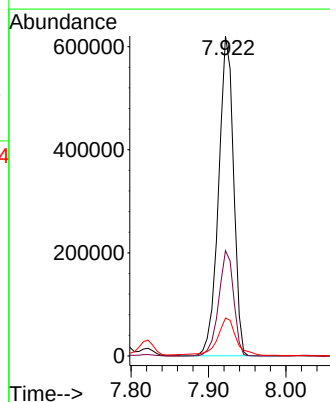
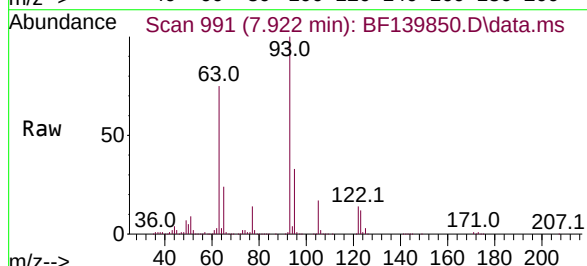
Tgt Ion: 93 Resp: 832755

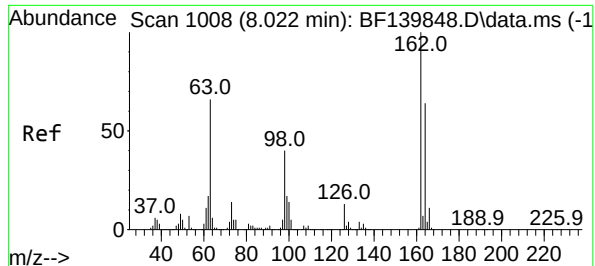
Ion Ratio Lower Upper

93 100

95 32.9 26.0 39.0

123 11.8 9.8 14.8





#29

2,4-Dichlorophenol

Concen: 57.952 ng

RT: 8.028 min Scan# 1008

Delta R.T. 0.006 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:162 Resp: 58487

Ion Ratio Lower Upper

162 100

164 63.9 43.9 83.9

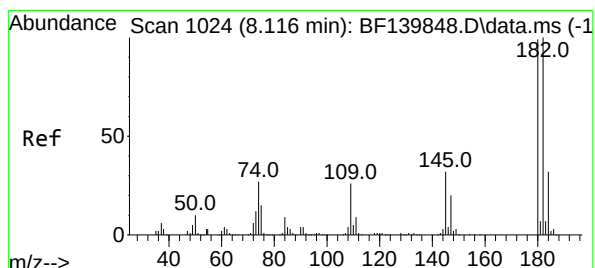
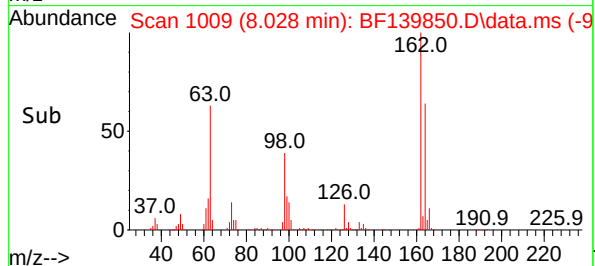
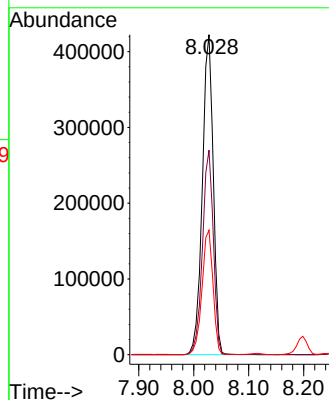
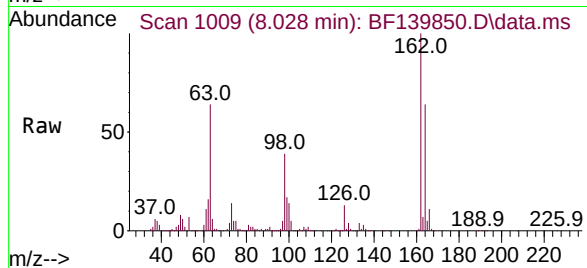
98 38.9 19.9 59.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#30

1,2,4-Trichlorobenzene

Concen: 56.947 ng

RT: 8.116 min Scan# 1024

Delta R.T. 0.000 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

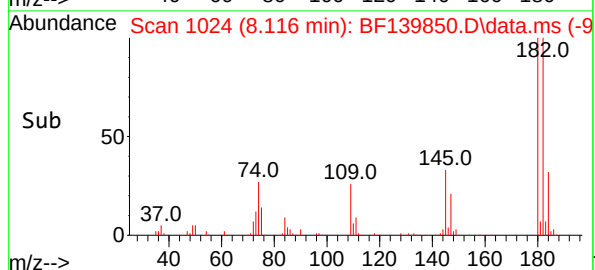
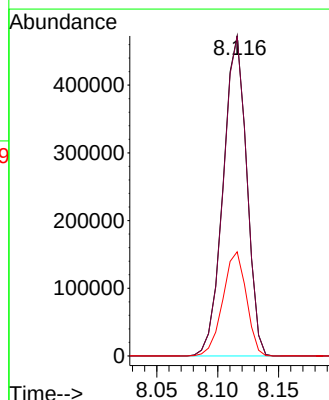
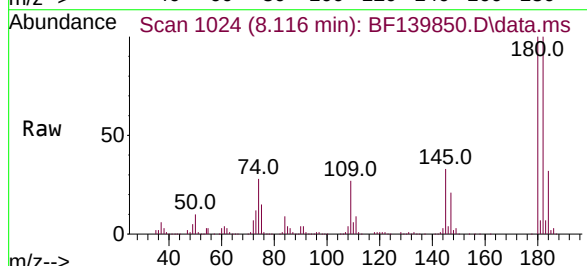
Tgt Ion:180 Resp: 635946

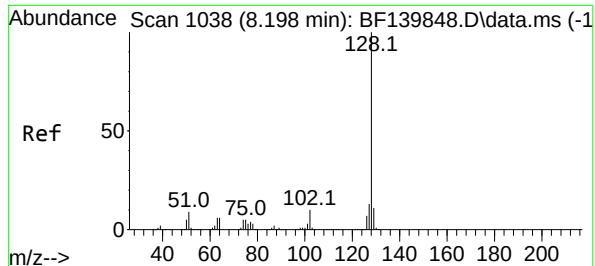
Ion Ratio Lower Upper

180 100

182 99.7 80.5 120.7

145 32.6 25.4 38.0





#31

Naphthalene

Concen: 54.907 ng

RT: 8.198 min Scan# 1038

Delta R.T. 0.000 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:128 Resp: 2016330

Ion Ratio Lower Upper

128 100

129 11.5 8.9 13.3

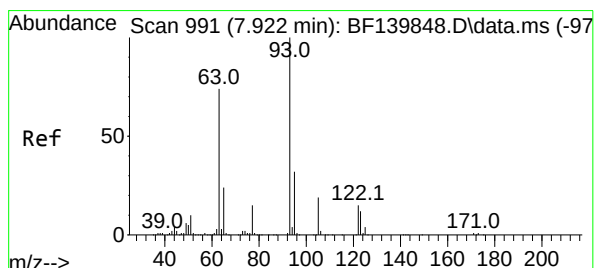
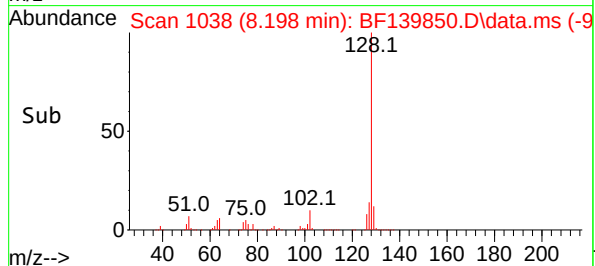
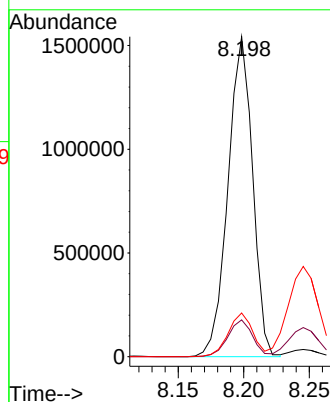
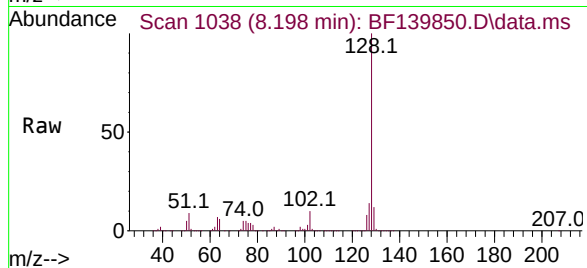
127 13.7 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#32

Benzoic acid

Concen: 64.980 ng

RT: 7.945 min Scan# 995

Delta R.T. 0.023 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

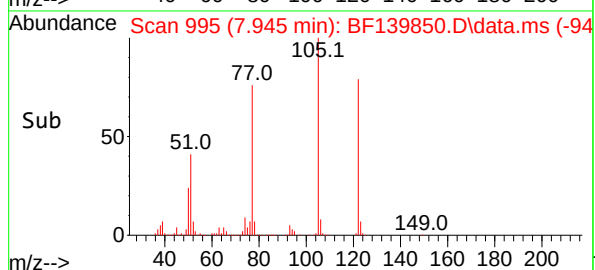
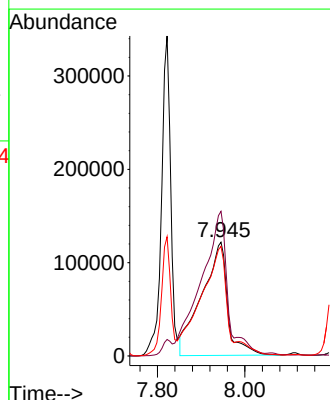
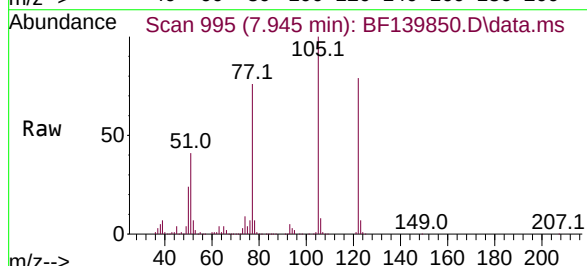
Tgt Ion:122 Resp: 502169

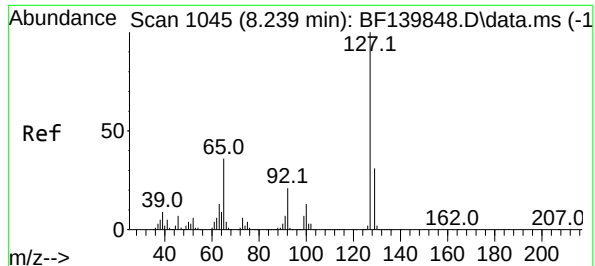
Ion Ratio Lower Upper

122 100

105 127.1 107.6 147.6

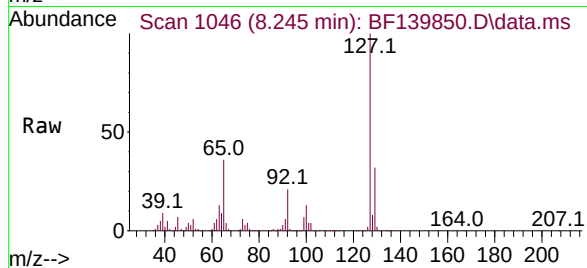
77 96.2 80.2 120.2





#33
4-Chloroaniline
Concen: 55.548 ng
RT: 8.245 min Scan# 1045
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

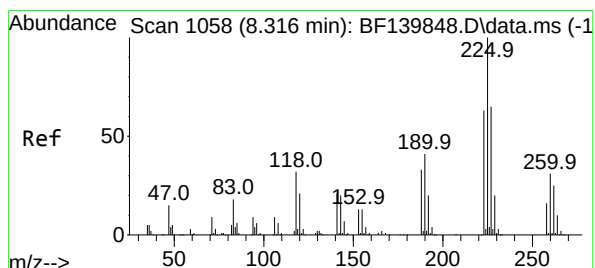
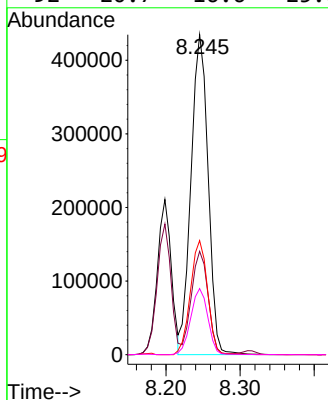
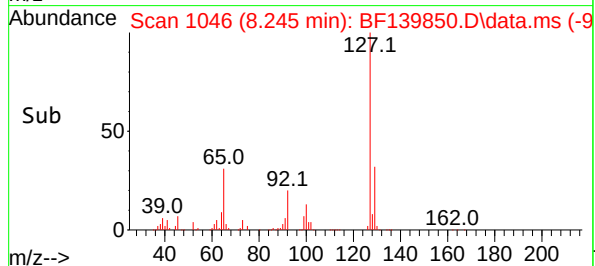
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:127 Resp: 695560
Ion Ratio Lower Upper
127 100
129 32.3 25.4 38.2
65 35.7 28.4 42.6
92 20.7 16.6 25.0

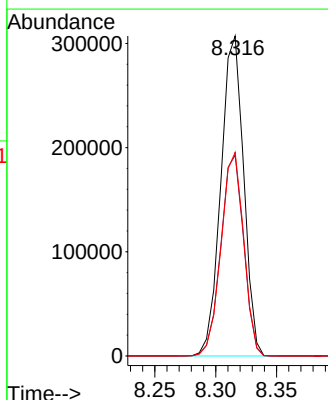
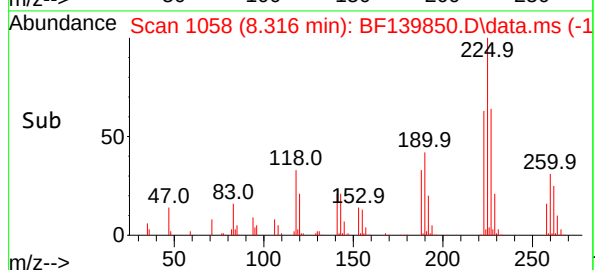
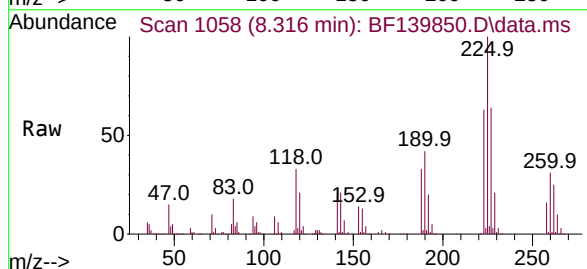
Manual Integrations
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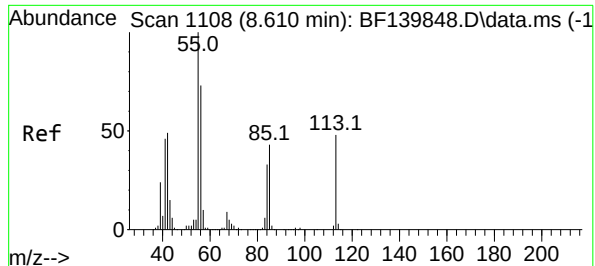
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#34
Hexachlorobutadiene
Concen: 56.934 ng
RT: 8.316 min Scan# 1058
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

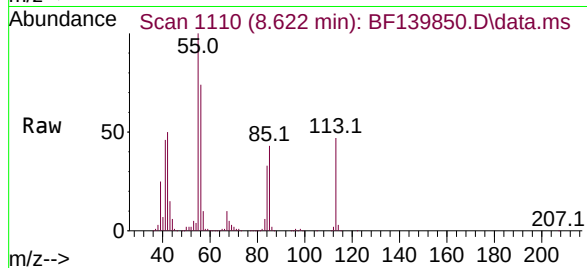
Tgt Ion:225 Resp: 399483
Ion Ratio Lower Upper
225 100
223 62.8 50.6 76.0
227 63.6 51.8 77.8





#35
Caprolactam
Concen: 58.880 ng
RT: 8.622 min Scan# 1110
Delta R.T. 0.012 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

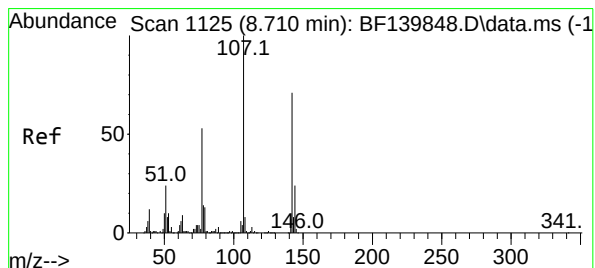
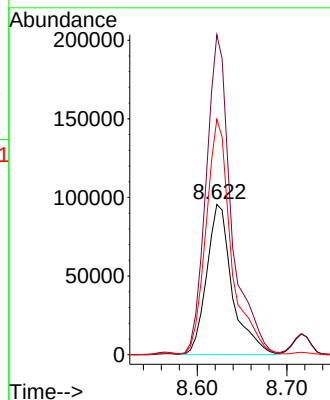
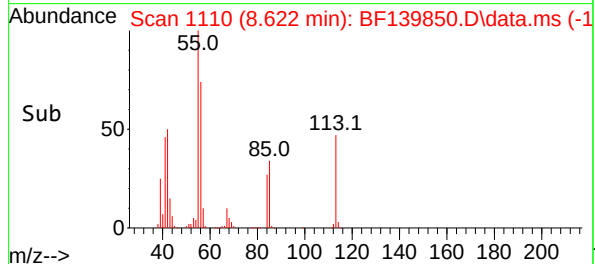
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:113 Resp: 188948
Ion Ratio Lower Upper
113 100
55 213.0 189.2 229.2
56 156.6 132.5 172.5

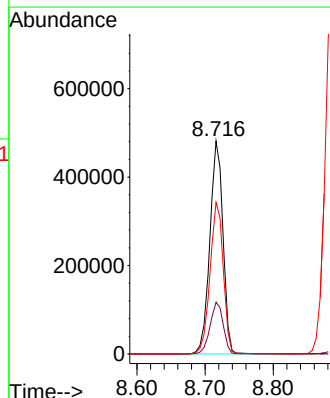
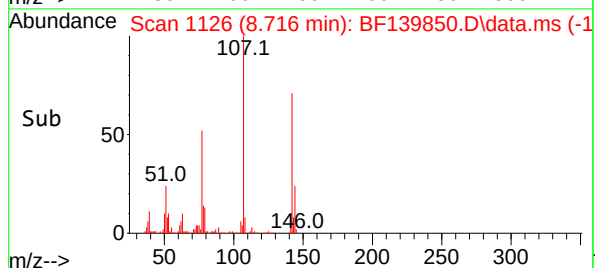
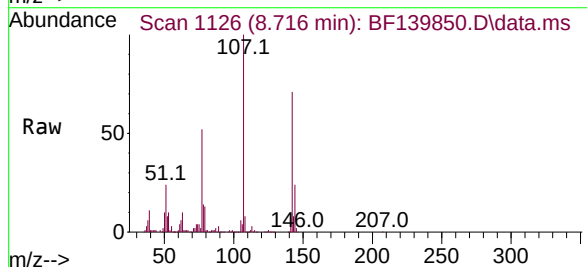
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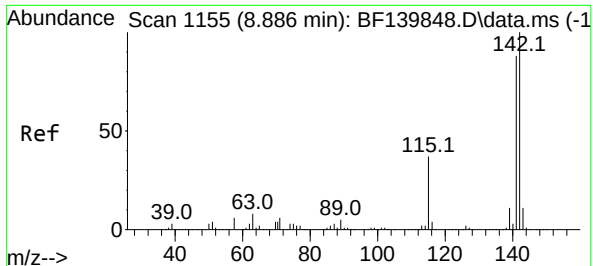
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#36
4-Chloro-3-methylphenol
Concen: 57.872 ng
RT: 8.716 min Scan# 1126
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:107 Resp: 646732
Ion Ratio Lower Upper
107 100
144 24.3 19.1 28.7
142 71.2 57.2 85.8





#37

2-Methylnaphthalene

Concen: 55.401 ng

RT: 8.887 min Scan# 1155

Delta R.T. 0.000 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:142 Resp: 124597

Ion Ratio Lower Upper

142 100

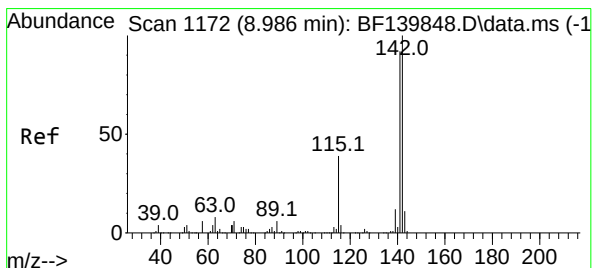
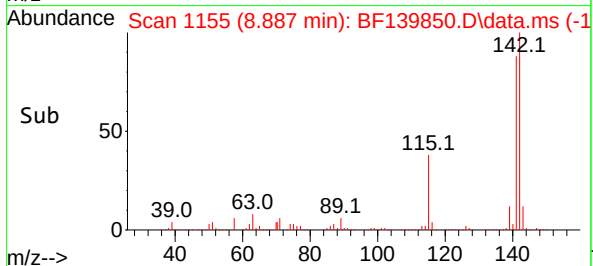
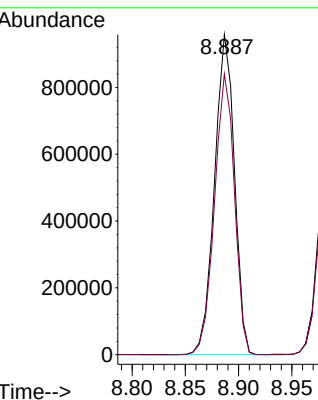
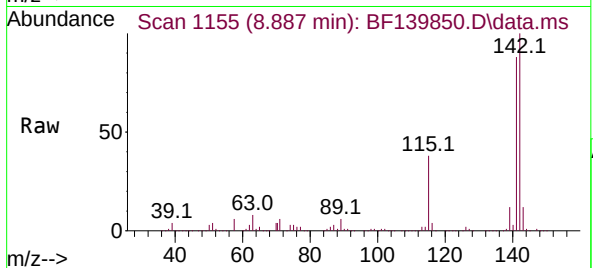
141 87.7 70.8 106.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#38

1-Methylnaphthalene

Concen: 54.926 ng

RT: 8.987 min Scan# 1172

Delta R.T. 0.000 min

Lab File: BF139850.D

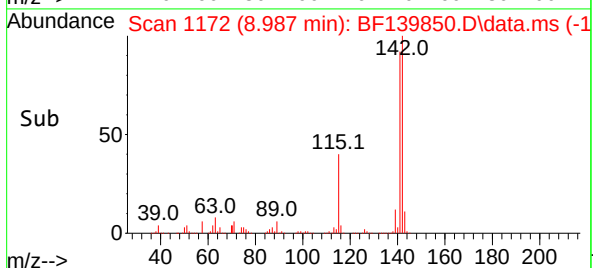
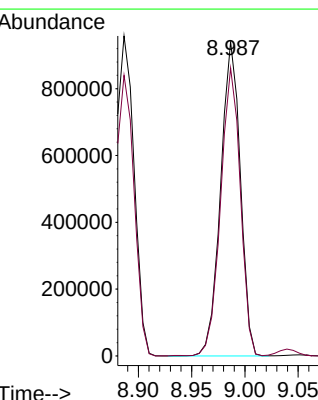
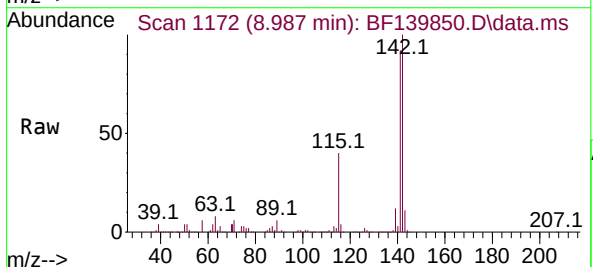
Acq: 18 Oct 2024 13:17

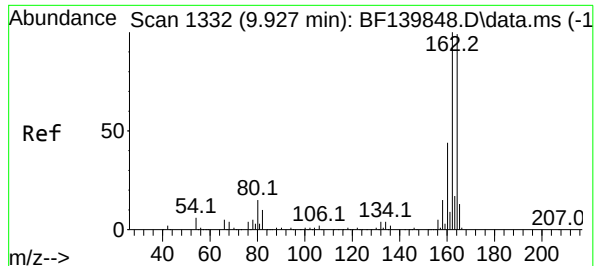
Tgt Ion:142 Resp: 1211981

Ion Ratio Lower Upper

142 100

141 91.6 73.5 110.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 11

Delta R.T. 0.001 min

Lab File: BF139850.D

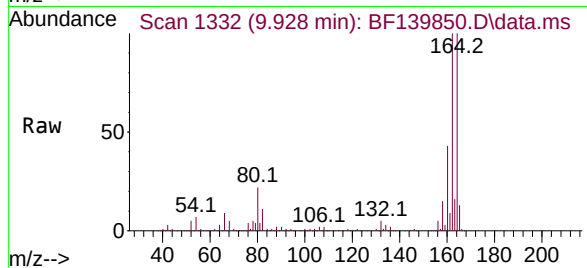
Acq: 18 Oct 2024 13:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC060



Tgt Ion:164 Resp: 389299

Ion Ratio Lower Upper

164 100

162 100.1 81.0 121.4

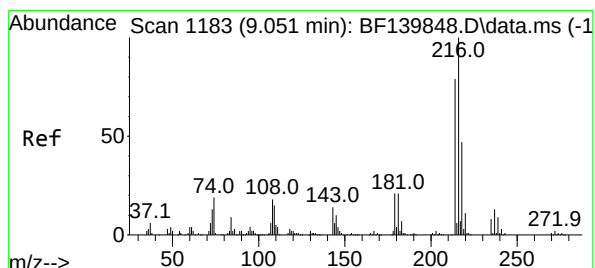
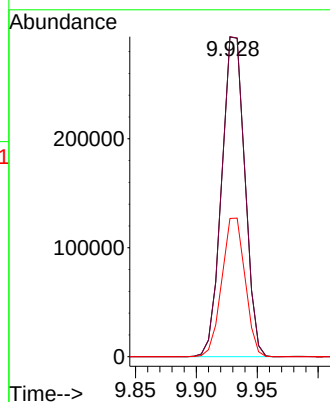
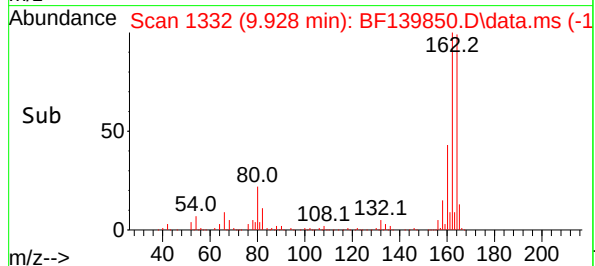
160 43.3 35.4 53.0

Manual Integrations

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Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#40

1,2,4,5-Tetrachlorobenzene

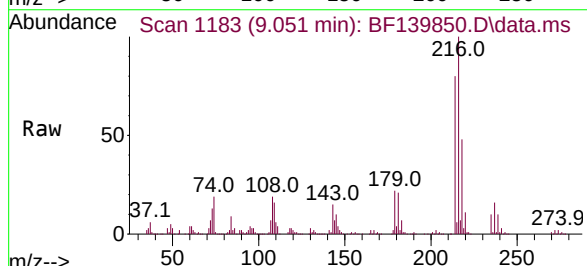
Concen: 56.315 ng

RT: 9.051 min Scan# 1183

Delta R.T. 0.000 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17



Tgt Ion:216 Resp: 591461

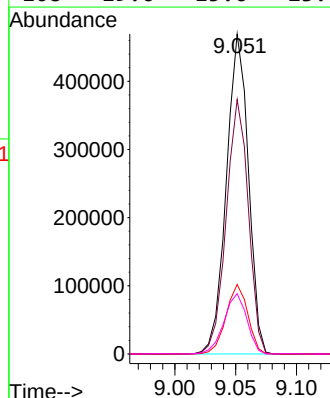
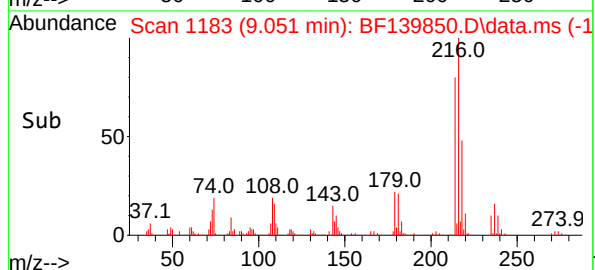
Ion Ratio Lower Upper

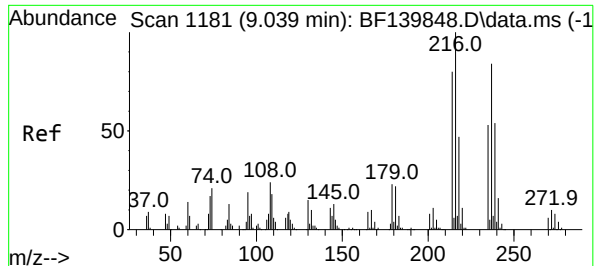
216 100

214 79.6 63.4 95.0

179 21.5 17.2 25.8

108 19.6 15.6 23.4





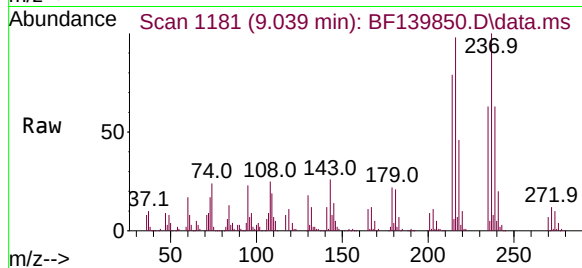
#41
Hexachlorocyclopentadiene
Concen: 59.262 ng
RT: 9.039 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

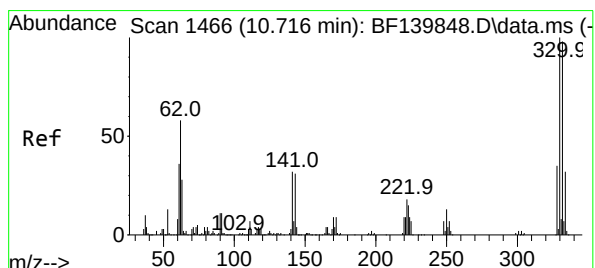
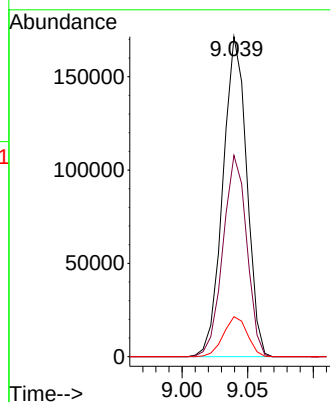
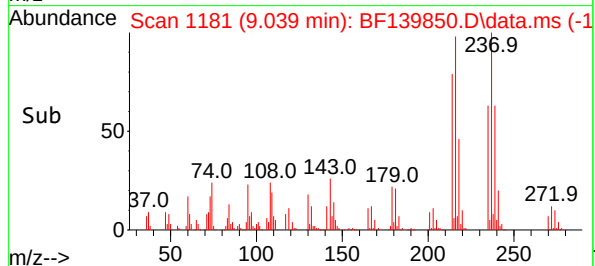


Tgt Ion:237 Resp: 21656
Ion Ratio Lower Upper
237 100
235 62.9 42.9 82.9
272 12.5 0.0 32.3

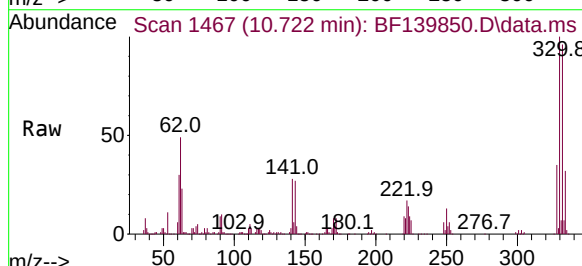
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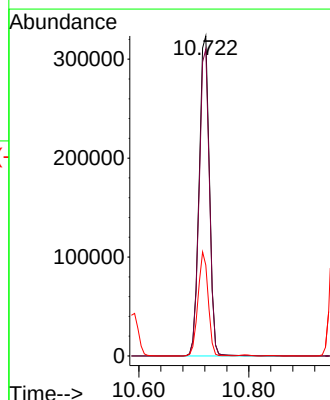
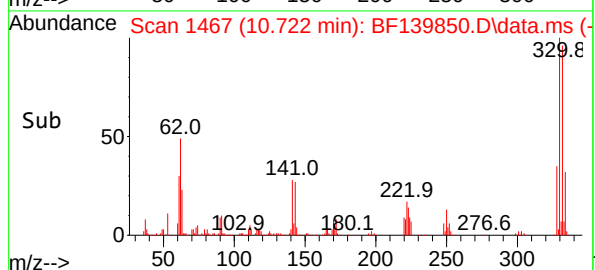
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

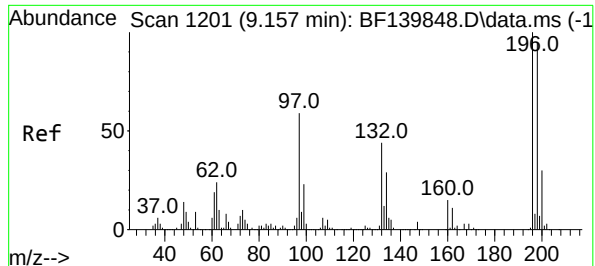


#42
2,4,6-Tribromophenol
Concen: 115.586 ng
RT: 10.722 min Scan# 1467
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17



Tgt Ion:330 Resp: 420891
Ion Ratio Lower Upper
330 100
332 95.9 78.1 117.1
141 32.0 26.6 39.8





#43

2,4,6-Trichlorophenol

Concen: 60.209 ng

RT: 9.157 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:196 Resp: 447702

Ion Ratio Lower Upper

196 100

198 94.1 76.2 114.2

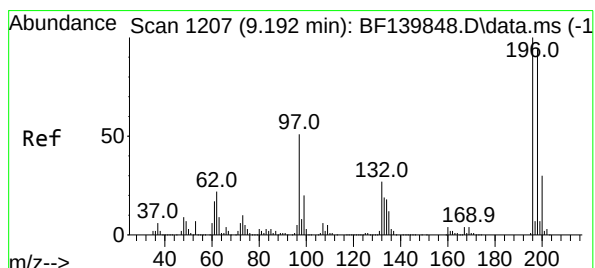
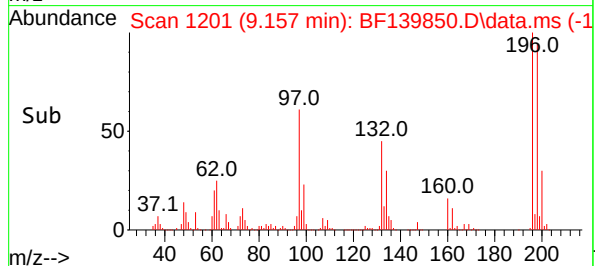
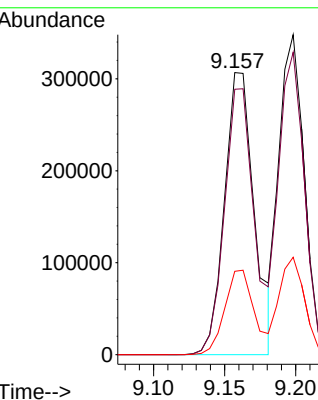
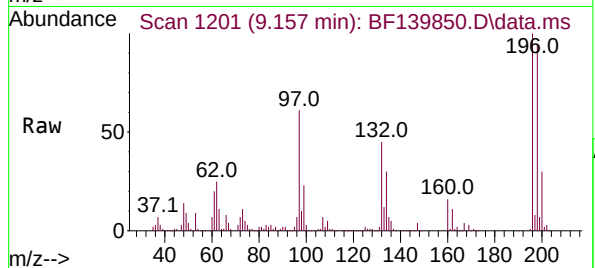
200 29.6 24.0 36.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#44

2,4,5-Trichlorophenol

Concen: 56.191 ng

RT: 9.198 min Scan# 1208

Delta R.T. 0.006 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

Tgt Ion:196 Resp: 431080

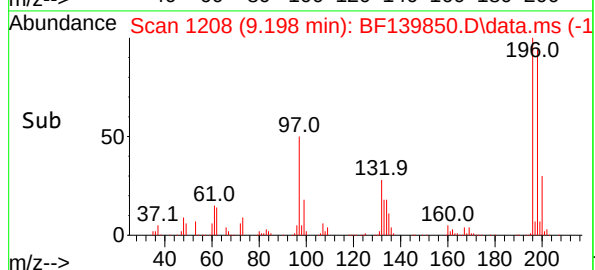
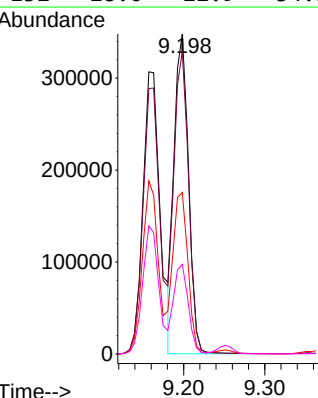
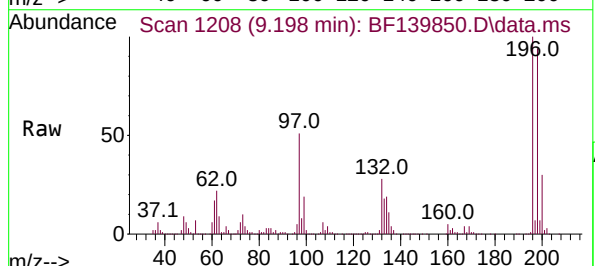
Ion Ratio Lower Upper

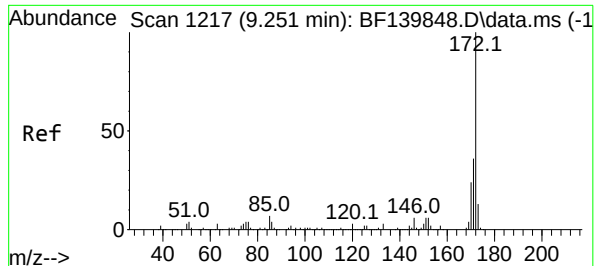
196 100

198 94.5 75.8 113.6

97 50.5 41.8 62.6

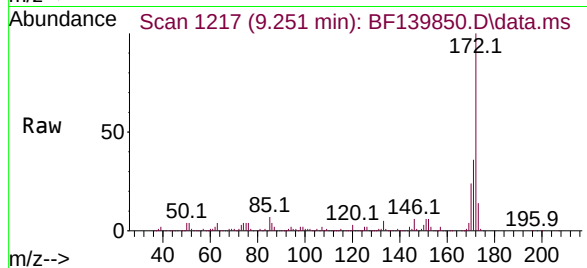
132 28.0 22.9 34.3





#45
2-Fluorobiphenyl
Concen: 105.106 ng
RT: 9.251 min Scan# 1217
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

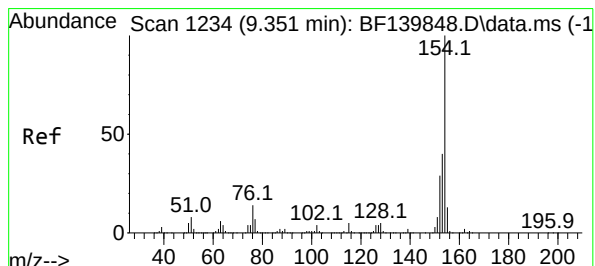
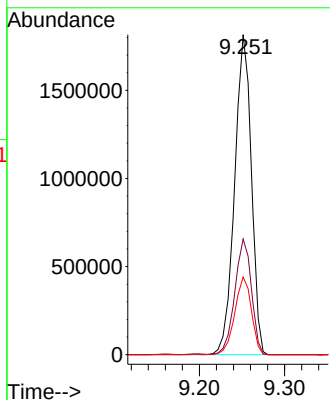
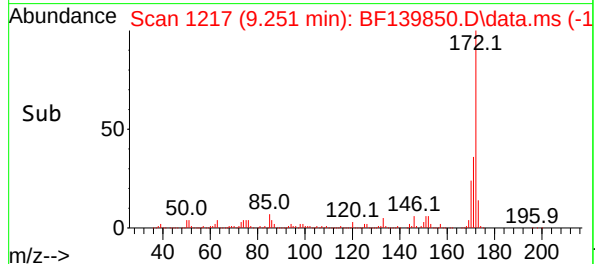
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:172 Resp: 247582
Ion Ratio Lower Upper
172 100
171 36.2 28.6 43.0
170 24.3 19.1 28.7

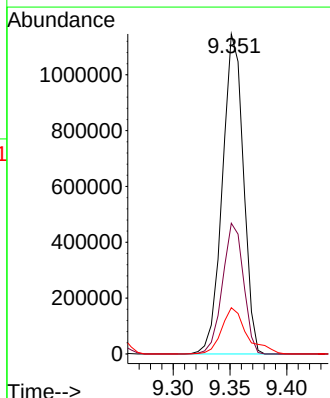
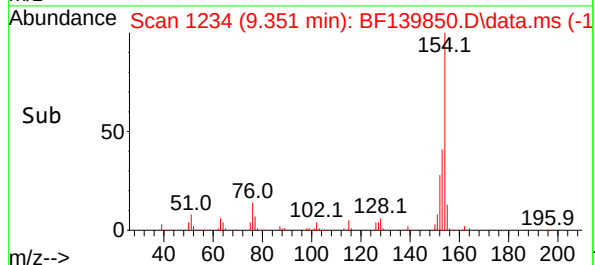
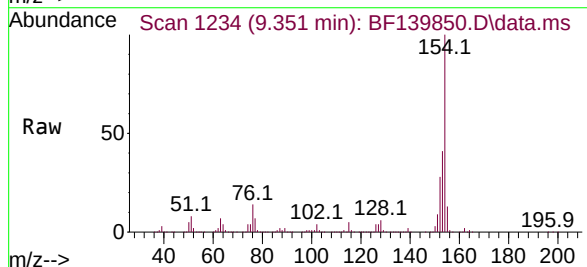
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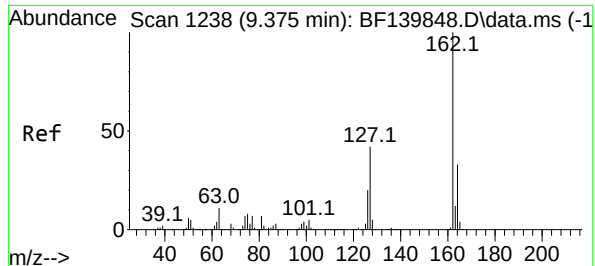
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#46
1,1'-Biphenyl
Concen: 54.396 ng
RT: 9.351 min Scan# 1234
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

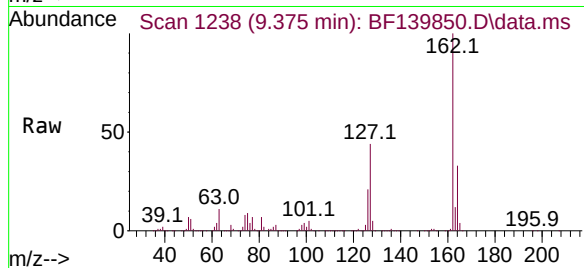
Tgt Ion:154 Resp: 1474193
Ion Ratio Lower Upper
154 100
153 40.9 20.3 60.3
76 14.5 0.0 33.9





#47
2-Chloronaphthalene
Concen: 55.657 ng
RT: 9.375 min Scan# 1238
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

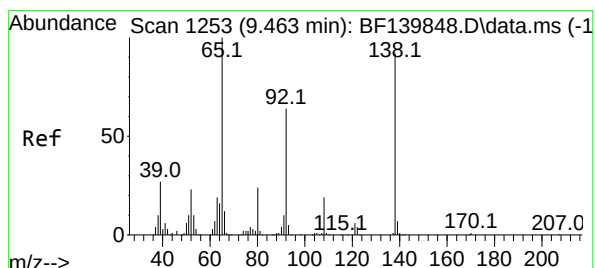
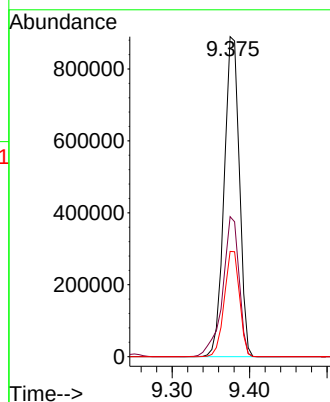
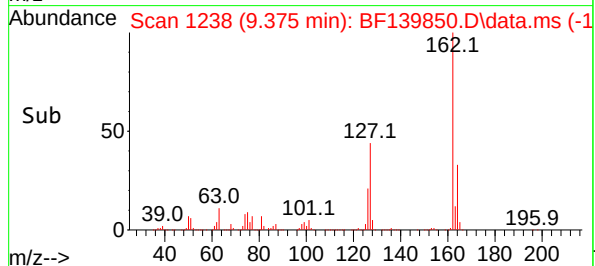
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:162 Resp: 1214850
Ion Ratio Lower Upper
162 100
127 43.7 33.8 50.6
164 32.9 26.6 39.8

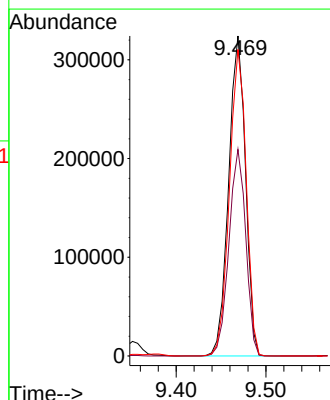
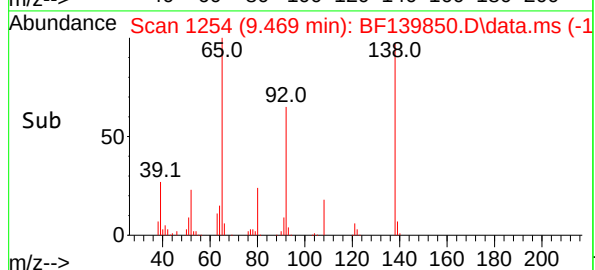
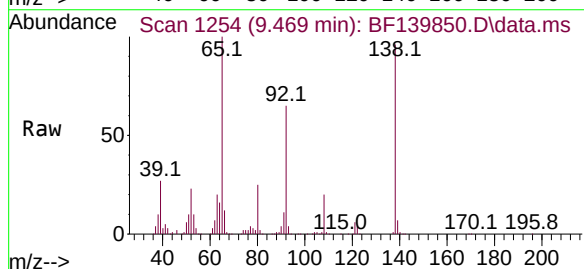
Manual Integrations
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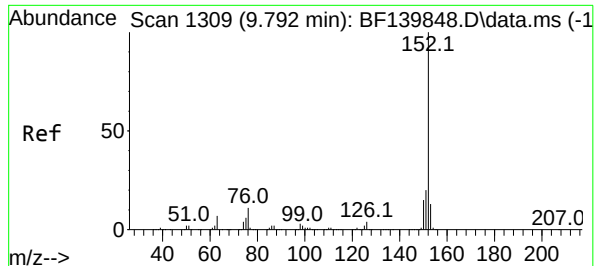
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#48
2-Nitroaniline
Concen: 63.375 ng
RT: 9.469 min Scan# 1254
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion: 65 Resp: 423080
Ion Ratio Lower Upper
65 100
92 64.6 50.9 76.3
138 95.8 73.4 110.0





#49

Acenaphthylene

Concen: 55.718 ng

RT: 9.792 min Scan# 1309

Delta R.T. 0.000 min

Lab File: BF139850.D

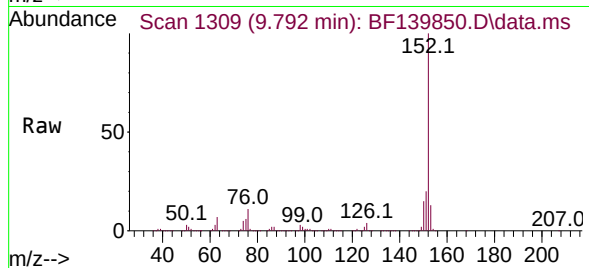
Acq: 18 Oct 2024 13:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC060



Tgt Ion:152 Resp: 175824

Ion Ratio Lower Upper

152 100

151 20.5 15.9 23.9

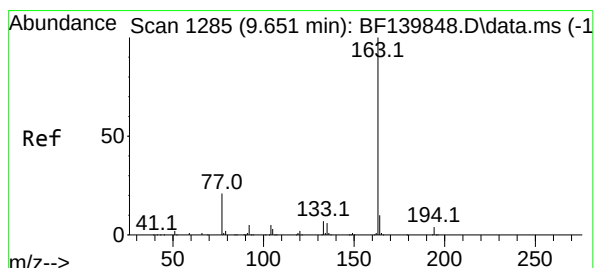
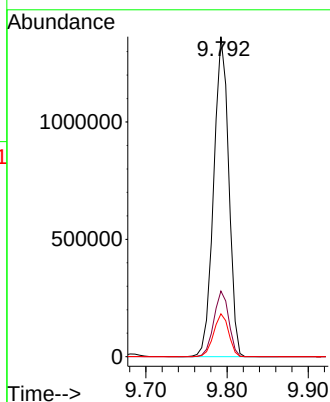
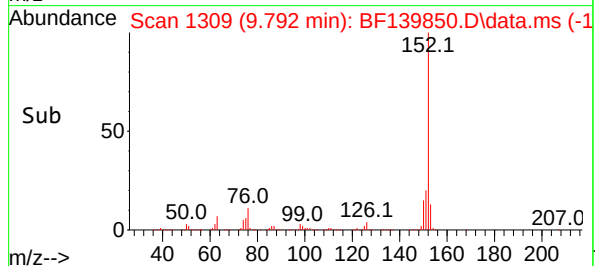
153 13.4 10.7 16.1

Manual Integrations

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Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#50

Dimethylphthalate

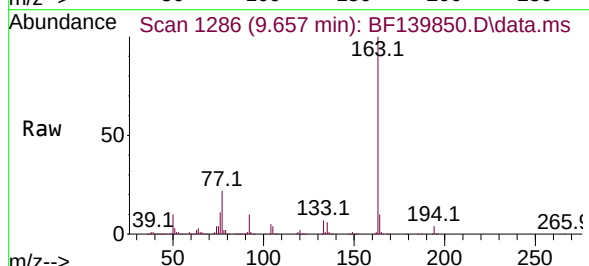
Concen: 56.037 ng

RT: 9.657 min Scan# 1286

Delta R.T. 0.006 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17



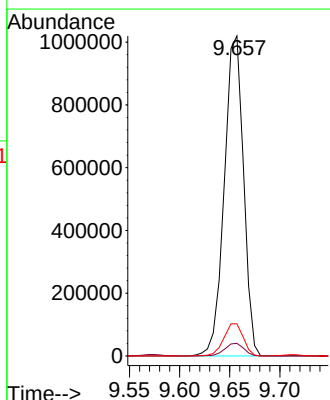
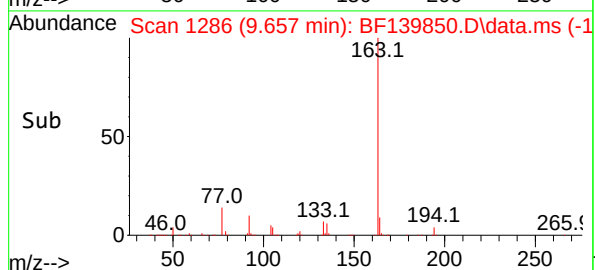
Tgt Ion:163 Resp: 1358812

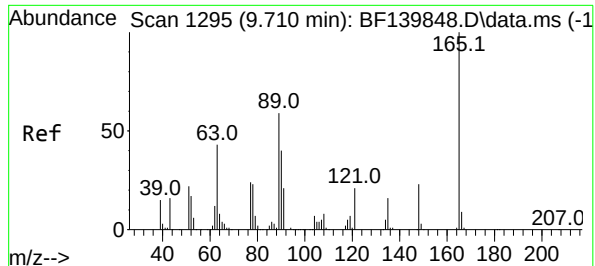
Ion Ratio Lower Upper

163 100

194 4.0 3.4 5.0

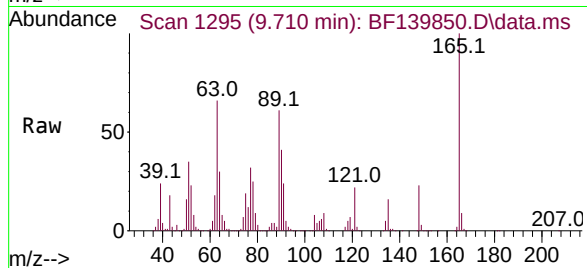
164 10.1 8.2 12.2





#51
2,6-Dinitrotoluene
Concen: 60.963 ng
RT: 9.710 min Scan# 1295
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

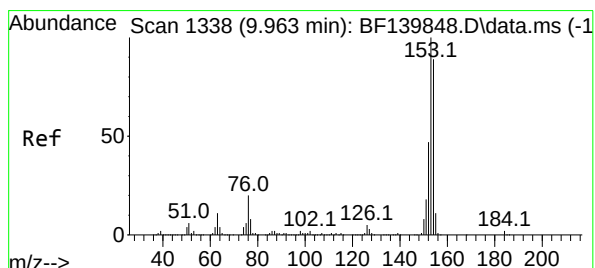
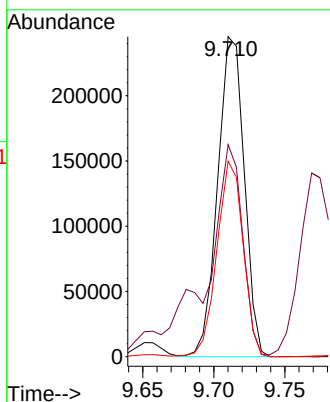
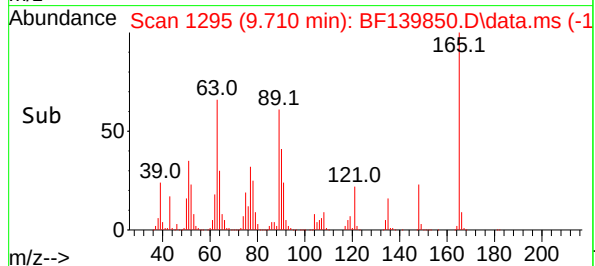
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:165 Resp: 320070
Ion Ratio Lower Upper
165 100
63 66.3 50.6 75.8
89 61.0 47.5 71.3

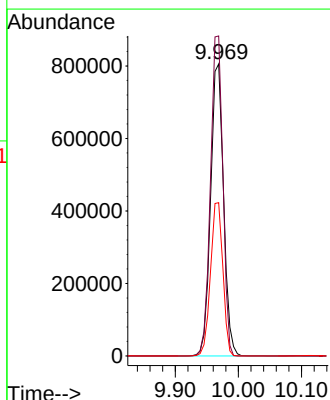
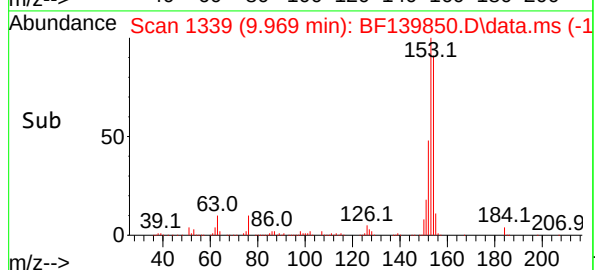
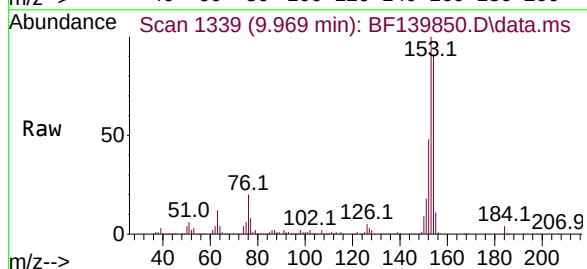
Manual Integrations
APPROVED

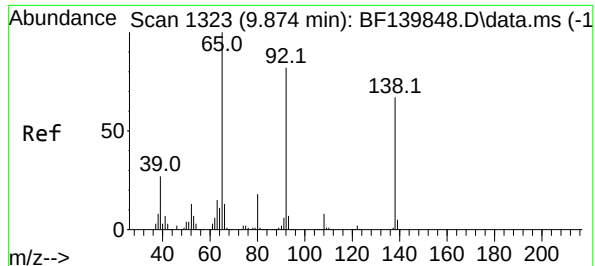
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#52
Acenaphthene
Concen: 56.242 ng
RT: 9.969 min Scan# 1339
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

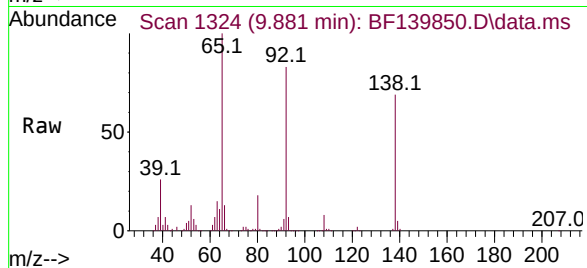
Tgt Ion:154 Resp: 1148095
Ion Ratio Lower Upper
154 100
153 109.6 89.8 134.6
152 52.5 42.4 63.6





#53
3-Nitroaniline
Concen: 60.726 ng
RT: 9.881 min Scan# 1323
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

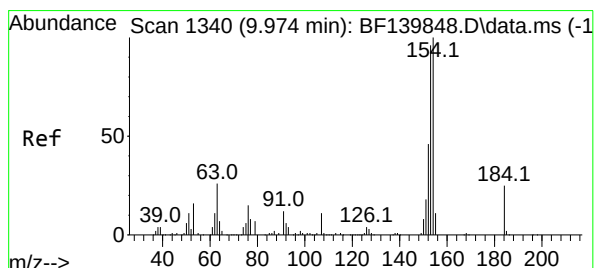
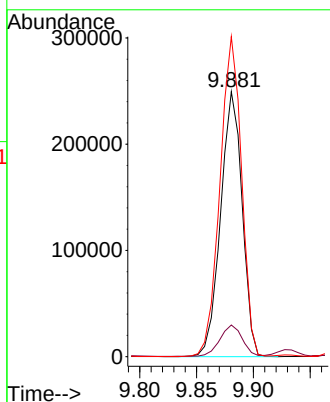
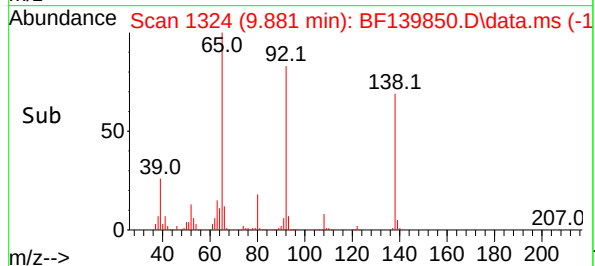
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:138 Resp: 328790
Ion Ratio Lower Upper
138 100
108 12.0 10.2 15.2
92 120.8 98.3 147.5

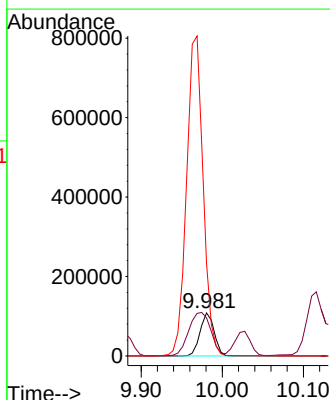
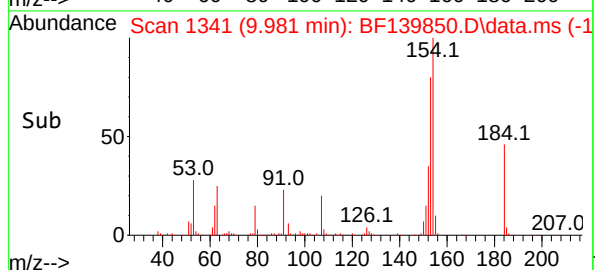
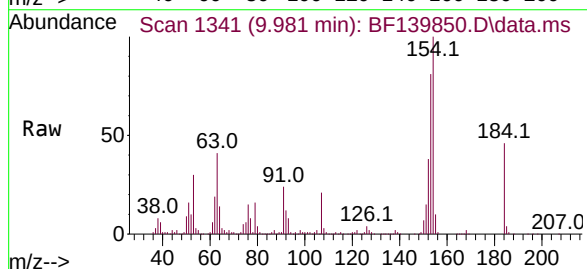
Manual Integrations
APPROVED

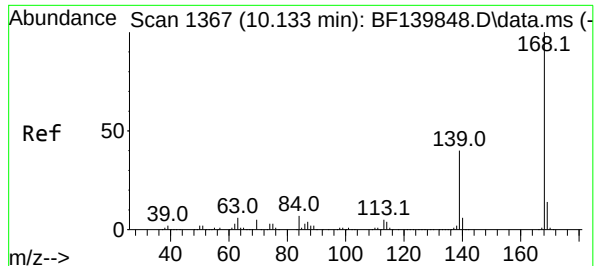
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#54
2,4-Dinitrophenol
Concen: 61.938 ng
RT: 9.981 min Scan# 1341
Delta R.T. 0.007 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:184 Resp: 131611
Ion Ratio Lower Upper
184 100
63 88.4 84.7 127.1
154 215.7 338.2 507.2#





#55

Dibenzofuran

Concen: 54.819 ng

RT: 10.139 min Scan# 1367

Delta R.T. 0.006 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:168 Resp: 160557

Ion Ratio Lower Upper

168 100

139 39.7 31.8 47.6

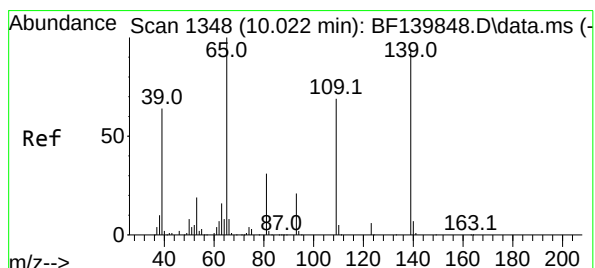
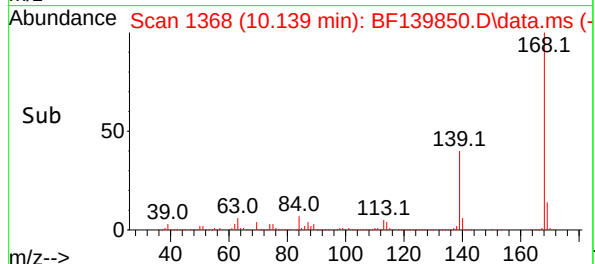
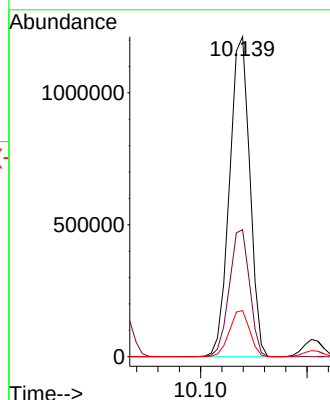
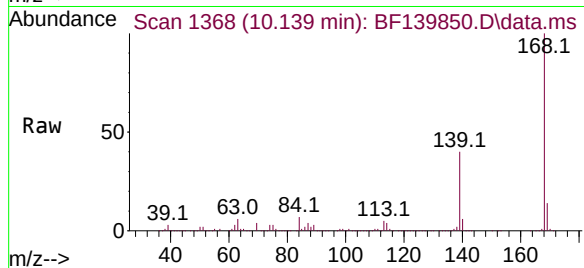
169 14.4 11.6 17.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#56

4-Nitrophenol

Concen: 61.631 ng

RT: 10.028 min Scan# 1349

Delta R.T. 0.006 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

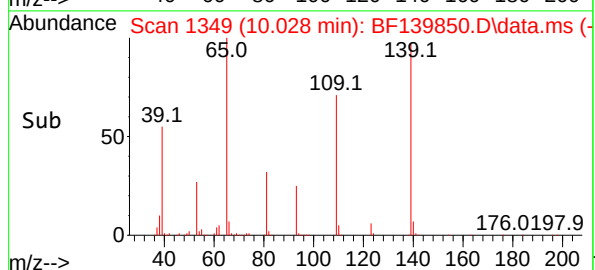
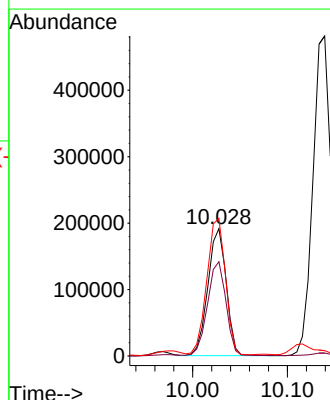
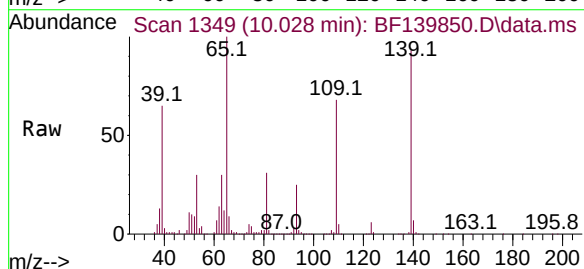
Tgt Ion:139 Resp: 256728

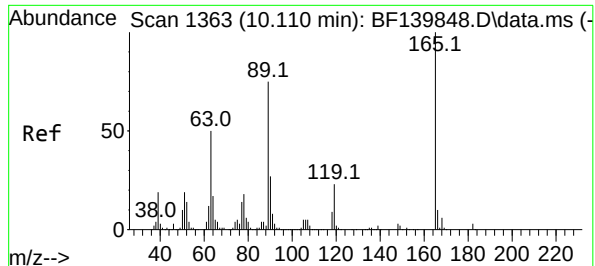
Ion Ratio Lower Upper

139 100

109 74.0 53.6 93.6

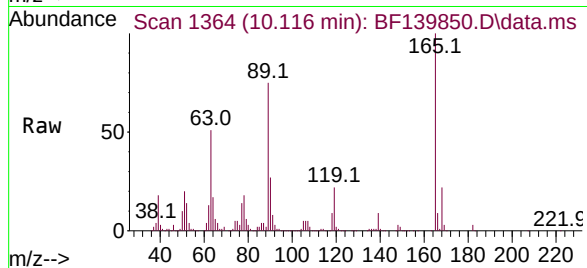
65 108.1 87.8 127.8





#57
2,4-Dinitrotoluene
Concen: 63.558 ng
RT: 10.116 min Scan# 1363
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

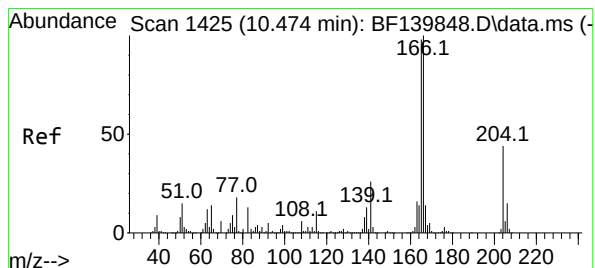
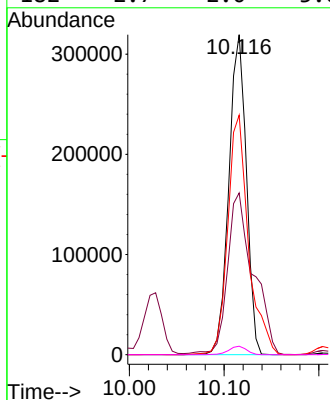
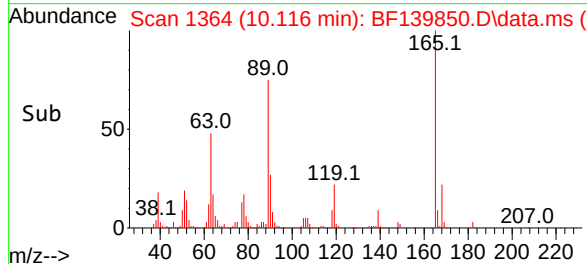
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:165 Resp: 41036
Ion Ratio Lower Upper
165 100
63 50.6 40.1 60.1
89 74.9 60.4 90.6
182 2.7 2.0 3.0

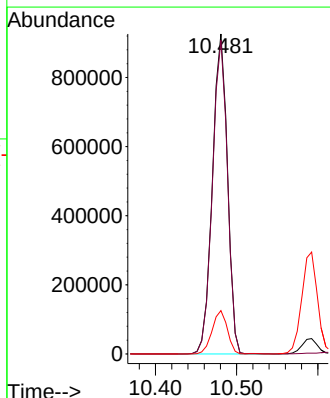
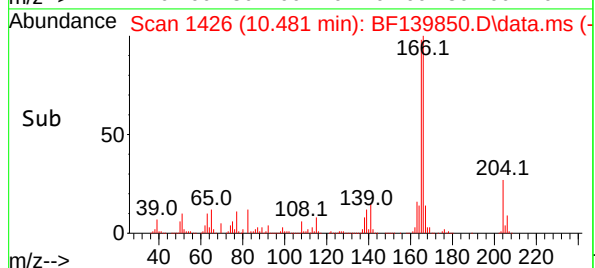
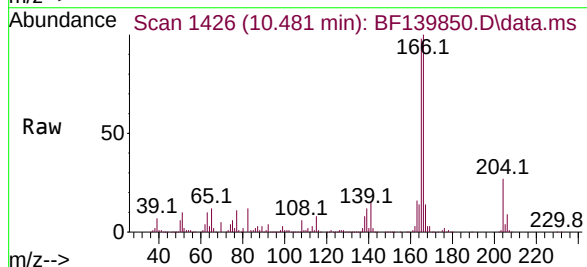
Manual Integrations
APPROVED

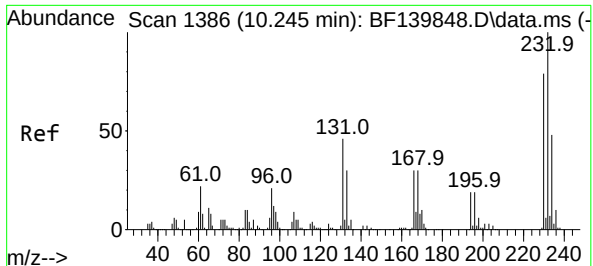
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#58
Fluorene
Concen: 53.435 ng
RT: 10.481 min Scan# 1426
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

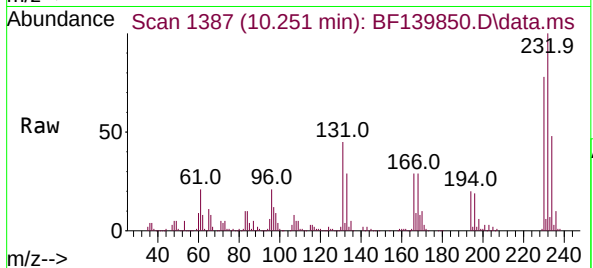
Tgt Ion:166 Resp: 1192018
Ion Ratio Lower Upper
166 100
165 98.0 78.5 117.7
167 13.5 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 56.946 ng
RT: 10.251 min Scan# 1386
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

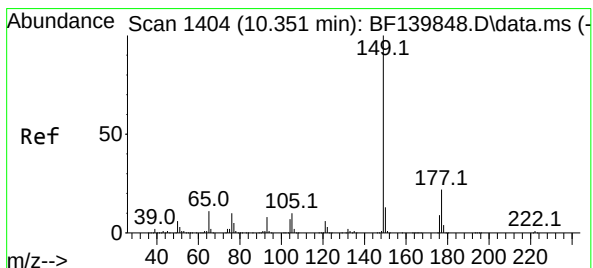
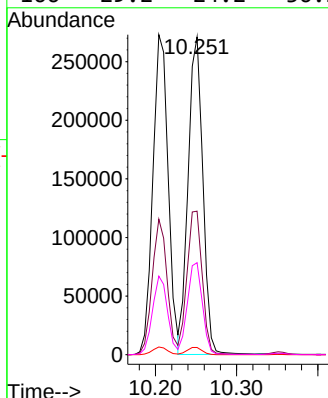
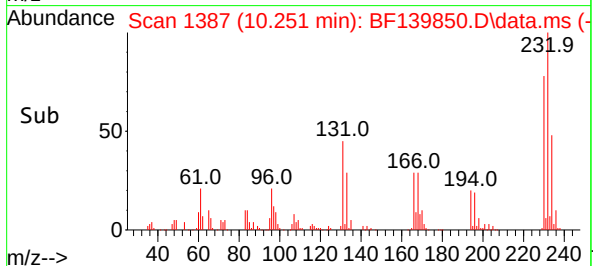
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:232 Resp: 342475
Ion Ratio Lower Upper
232 100
131 46.7 37.0 55.6
130 2.4 1.9 2.9
166 29.2 24.2 36.2

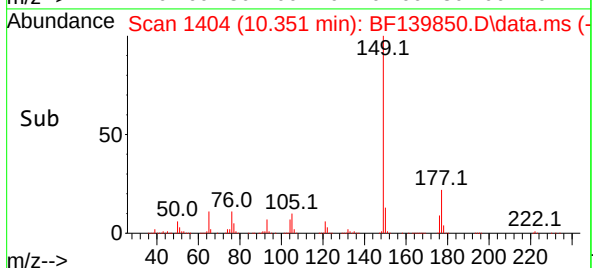
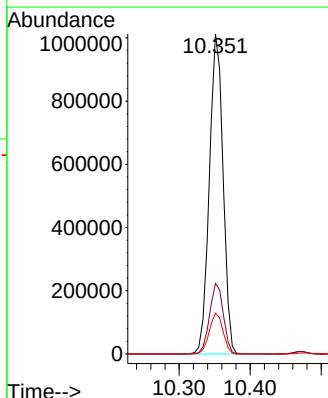
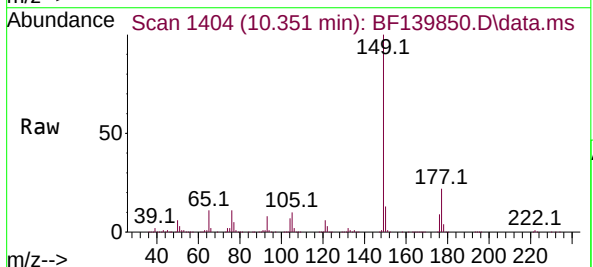
Manual Integrations
APPROVED

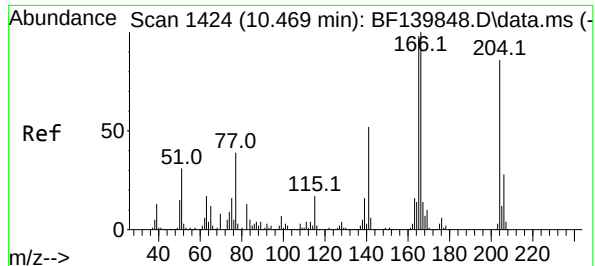
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#60
Diethylphthalate
Concen: 56.954 ng
RT: 10.351 min Scan# 1404
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:149 Resp: 1355992
Ion Ratio Lower Upper
149 100
177 22.0 17.9 26.9
150 12.8 10.1 15.1





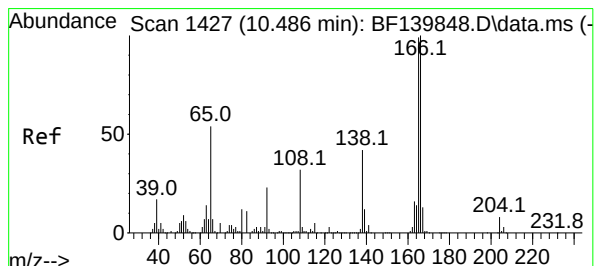
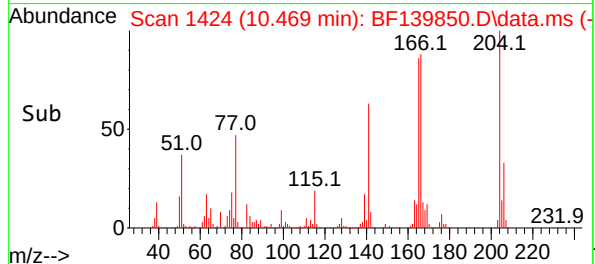
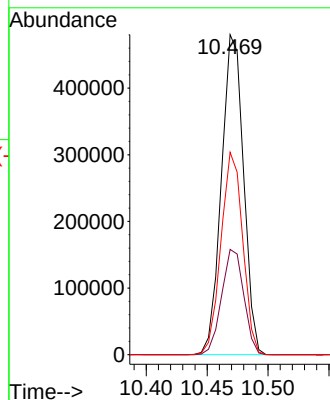
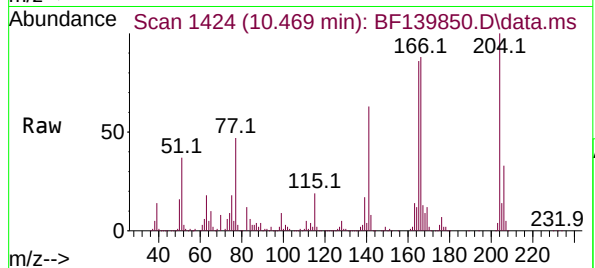
#61
4-Chlorophenyl-phenylether
Concen: 53.858 ng
RT: 10.469 min Scan# 1424
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:204 Resp: 606730
Ion Ratio Lower Upper
204 100
206 32.9 26.3 39.5
141 63.3 48.6 73.0

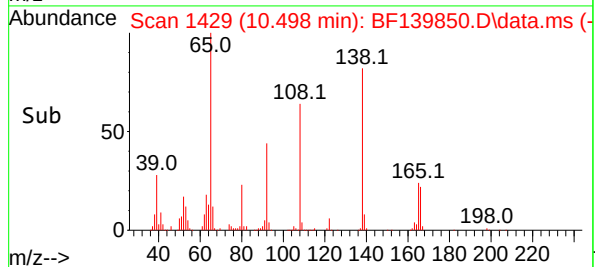
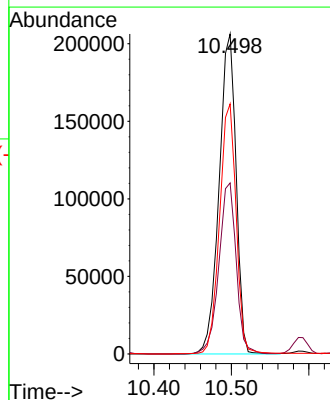
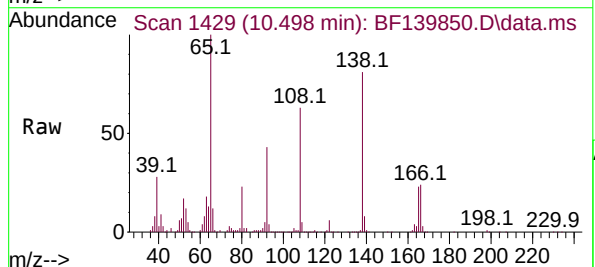
Manual Integrations
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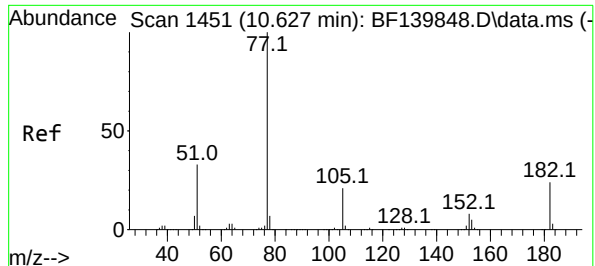
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#62
4-Nitroaniline
Concen: 61.507 ng
RT: 10.498 min Scan# 1429
Delta R.T. 0.012 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

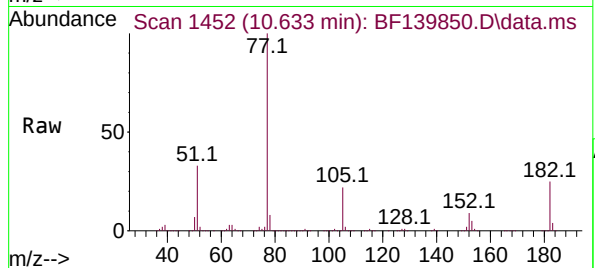
Tgt Ion:138 Resp: 314525
Ion Ratio Lower Upper
138 100
92 53.4 35.7 75.7
108 78.2 57.5 97.5





#63
Azobenzene
Concen: 56.090 ng
RT: 10.633 min Scan# 1452
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

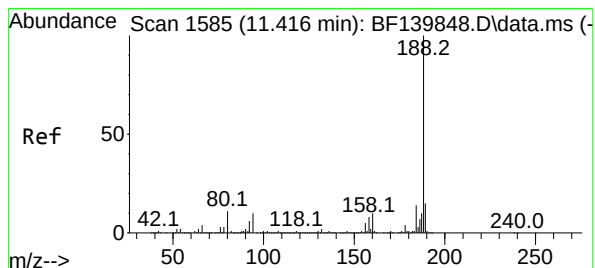
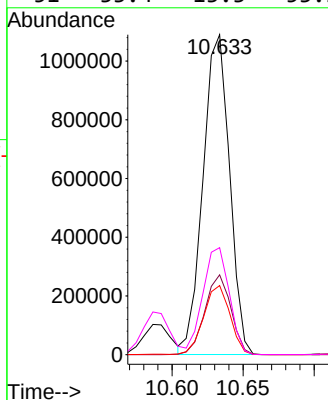
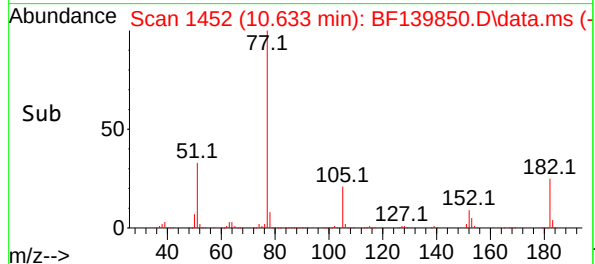
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion: 77 Resp: 1415762
Ion Ratio Lower Upper
77 100
182 24.9 3.3 43.3
105 21.6 1.2 41.2
51 33.4 13.3 53.3

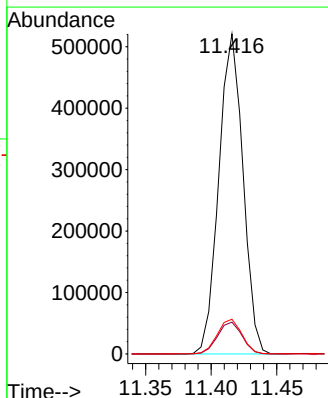
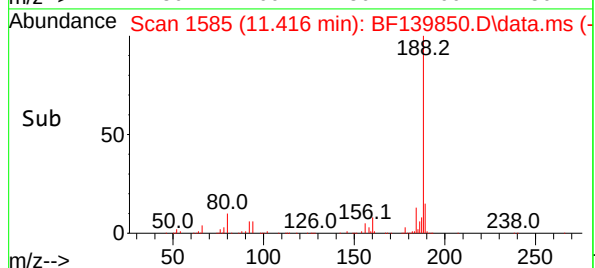
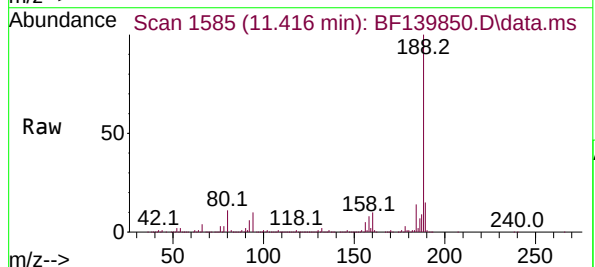
Manual Integrations
APPROVED

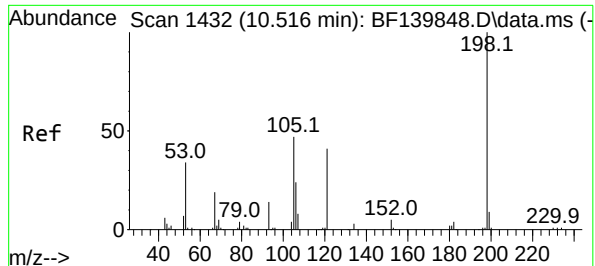
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:188 Resp: 667372
Ion Ratio Lower Upper
188 100
94 10.0 7.9 11.9
80 10.9 9.0 13.4





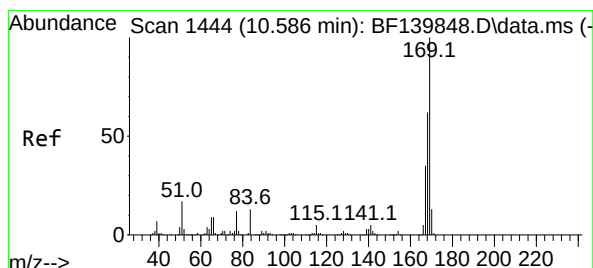
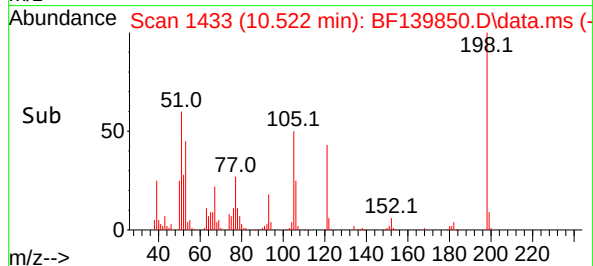
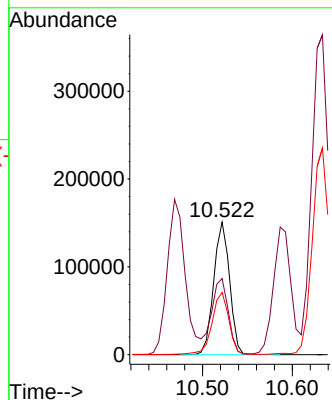
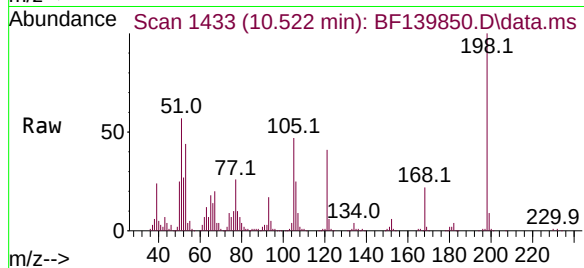
#65
4,6-Dinitro-2-methylphenol
Concen: 67.951 ng
RT: 10.522 min Scan# 1433
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:198 Resp: 184974
Ion Ratio Lower Upper
198 100
51 57.4 38.2 78.2
105 47.0 27.9 67.9

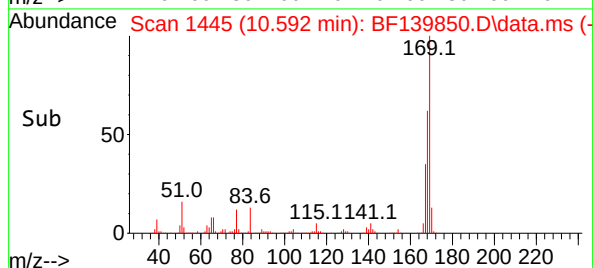
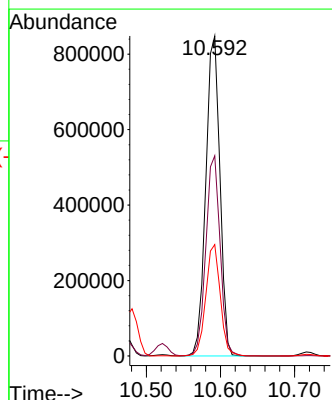
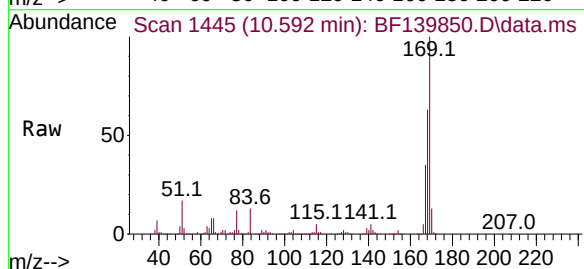
Manual Integrations
APPROVED

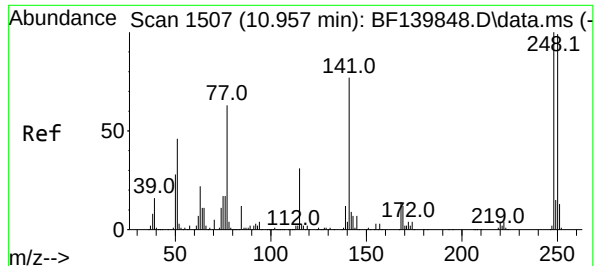
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#66
n-Nitrosodiphenylamine
Concen: 56.214 ng
RT: 10.592 min Scan# 1445
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

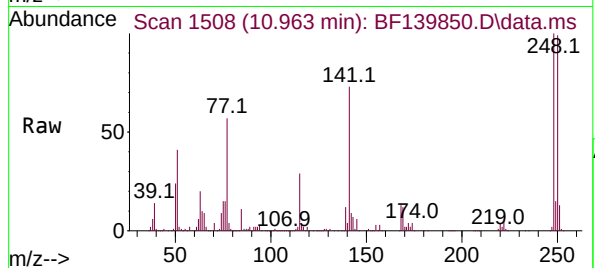
Tgt Ion:169 Resp: 1122831
Ion Ratio Lower Upper
169 100
168 62.5 49.8 74.6
167 34.8 28.0 42.0





#67
4-Bromophenyl-phenylether
Concen: 57.100 ng
RT: 10.963 min Scan# 1508
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

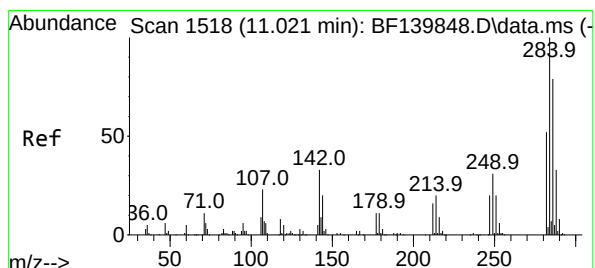
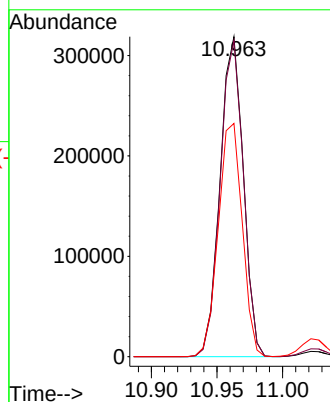
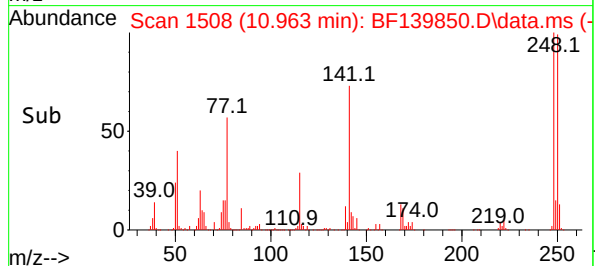
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:248 Resp: 392570
Ion Ratio Lower Upper
248 100
250 98.7 79.0 118.6
141 72.9 61.7 92.5

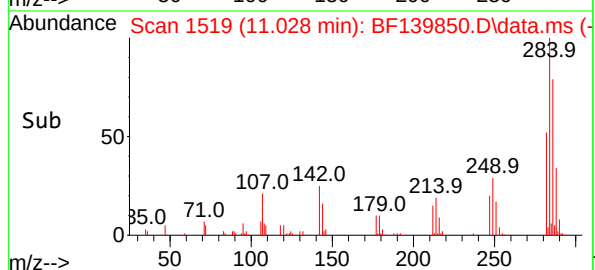
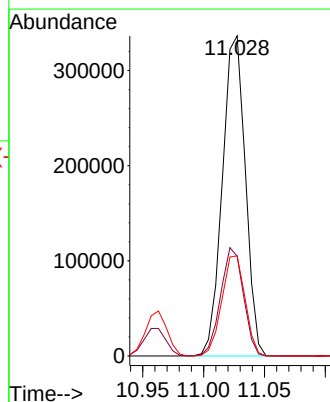
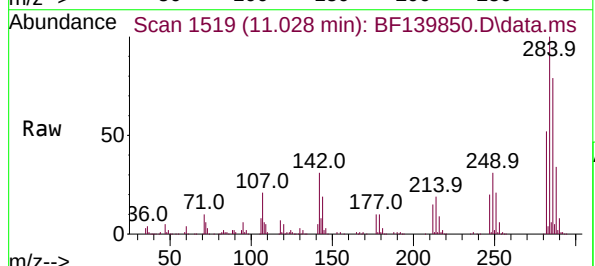
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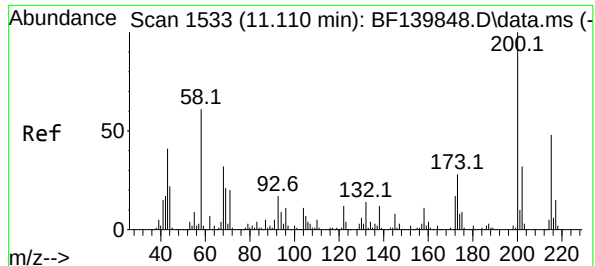
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#68
Hexachlorobenzene
Concen: 57.187 ng
RT: 11.028 min Scan# 1519
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:284 Resp: 442187
Ion Ratio Lower Upper
284 100
142 31.2 26.9 40.3
249 31.3 25.3 37.9





#69

Atrazine

Concen: 56.767 ng

RT: 11.116 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:200 Resp: 307149

Ion Ratio Lower Upper

200 100

173 27.1 7.7 47.7

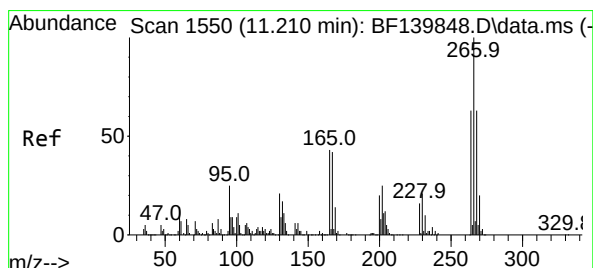
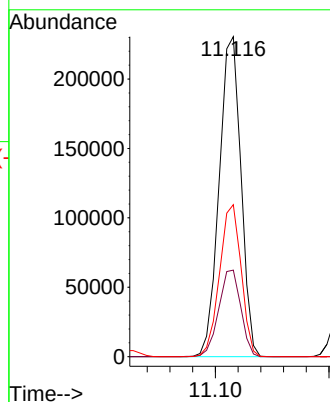
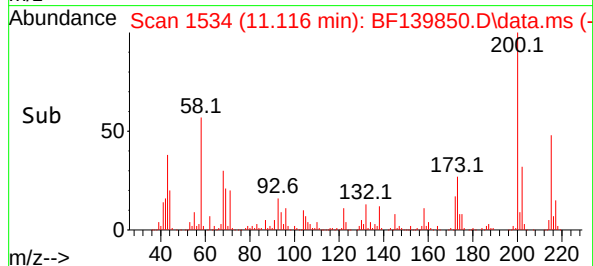
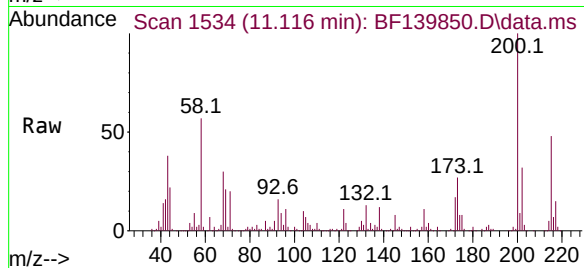
215 47.5 27.7 67.7

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Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#70

Pentachlorophenol

Concen: 61.587 ng

RT: 11.216 min Scan# 1551

Delta R.T. 0.006 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

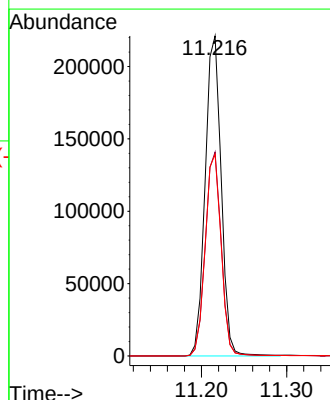
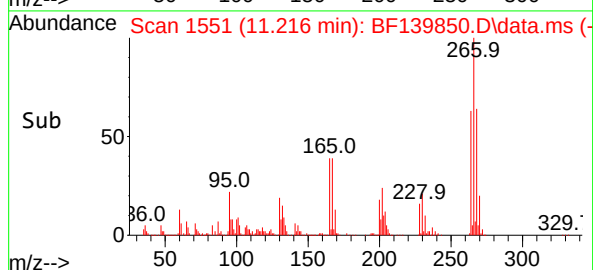
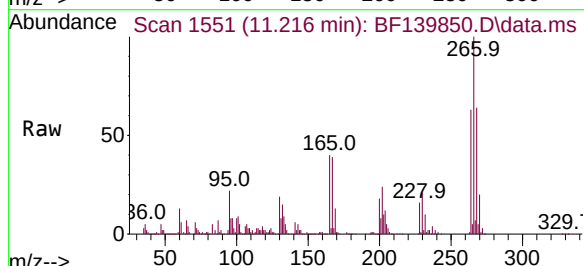
Tgt Ion:266 Resp: 289014

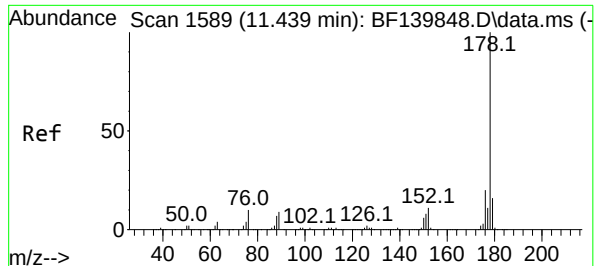
Ion Ratio Lower Upper

266 100

268 63.7 50.4 75.6

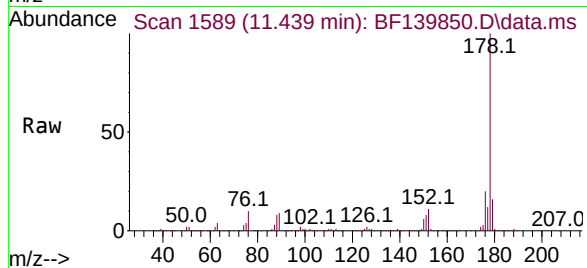
264 63.0 50.6 75.8





#71
Phenanthrene
Concen: 54.618 ng
RT: 11.439 min Scan# 1589
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

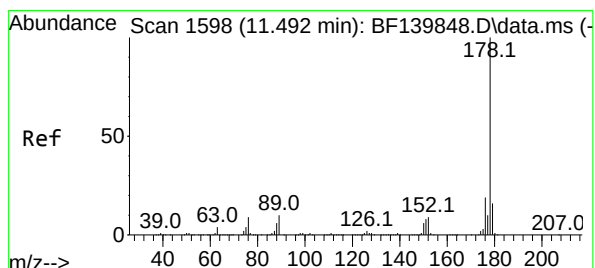
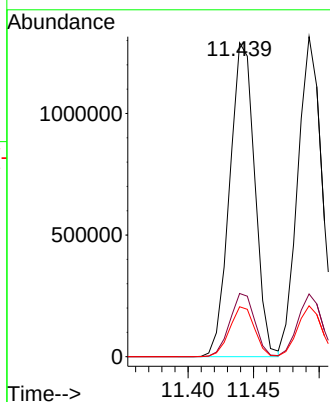
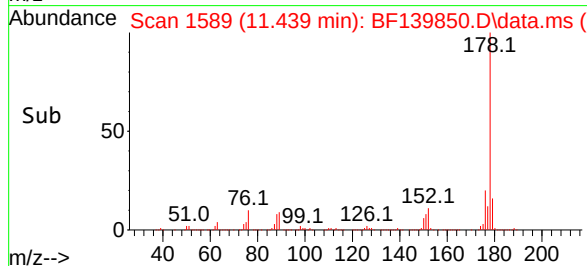
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



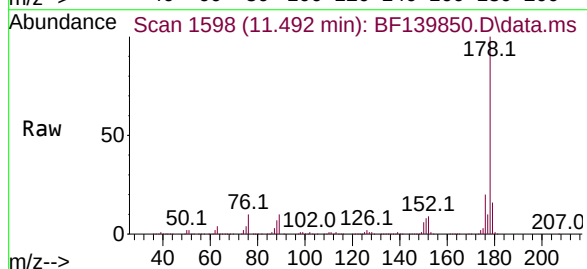
Tgt Ion:178 Resp: 172176
Ion Ratio Lower Upper
178 100
176 20.1 15.8 23.6
179 15.9 12.6 18.8

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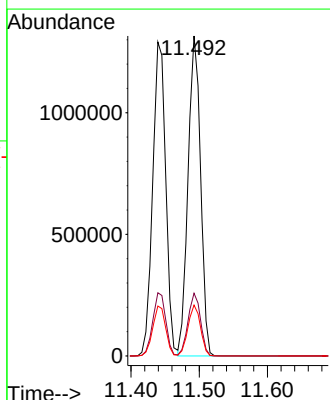
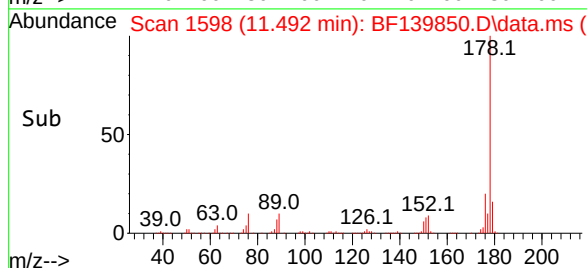
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

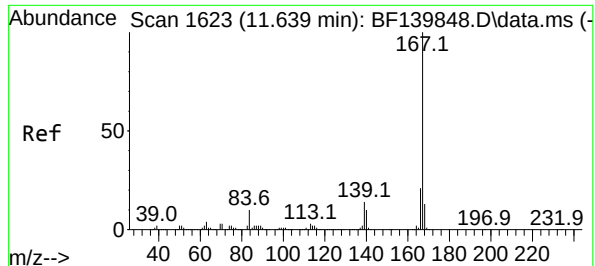


#72
Anthracene
Concen: 54.206 ng
RT: 11.492 min Scan# 1598
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17



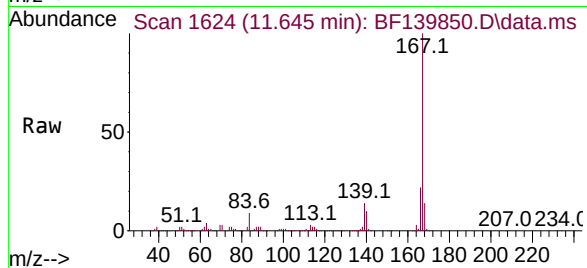
Tgt Ion:178 Resp: 1667221
Ion Ratio Lower Upper
178 100
176 19.6 15.3 22.9
179 15.9 12.4 18.6





#73
Carbazole
Concen: 54.015 ng
RT: 11.645 min Scan# 1623
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

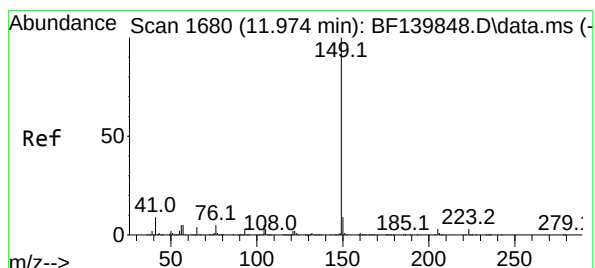
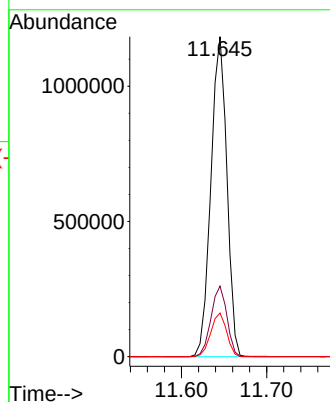
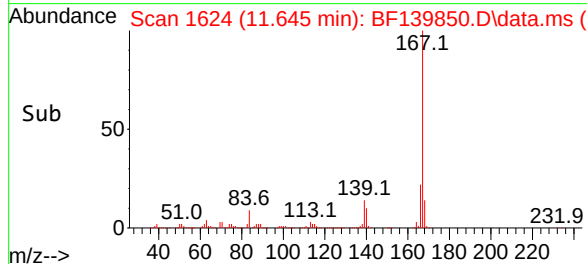
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



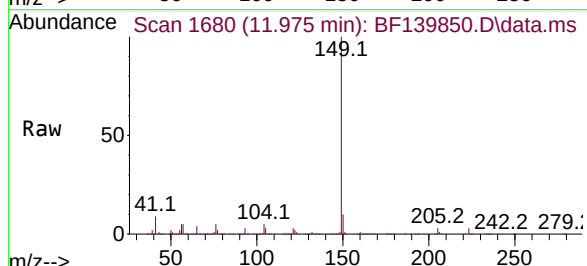
Tgt Ion:167 Resp: 1545085
Ion Ratio Lower Upper
167 100
166 22.1 17.0 25.6
139 13.7 10.8 16.2

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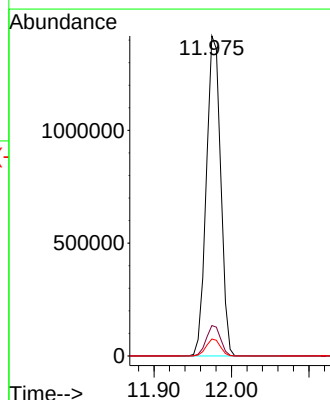
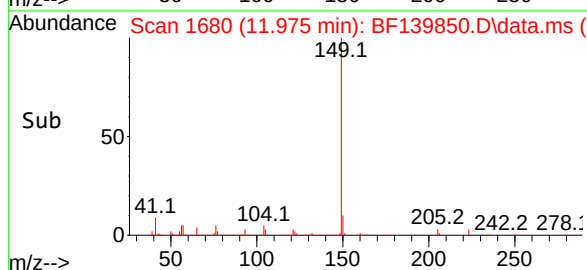
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

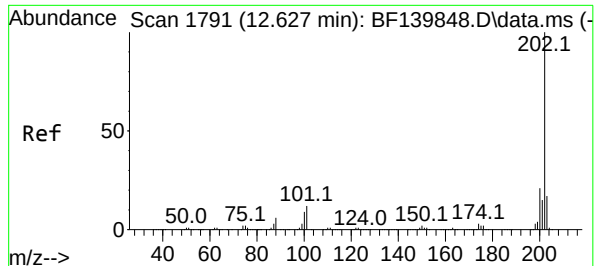


#74
Di-n-butylphthalate
Concen: 55.069 ng
RT: 11.975 min Scan# 1680
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17



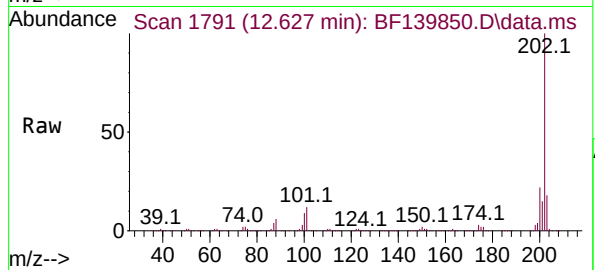
Tgt Ion:149 Resp: 1819929
Ion Ratio Lower Upper
149 100
150 9.5 7.5 11.3
104 5.3 4.1 6.1





#75
Fluoranthene
Concen: 52.448 ng
RT: 12.627 min Scan# 1791
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

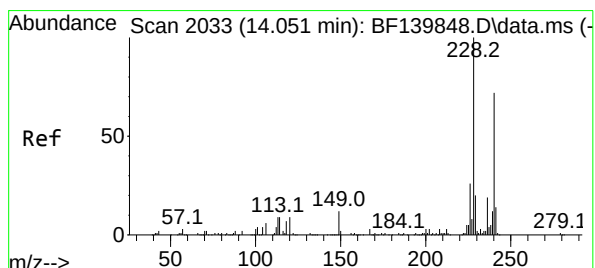
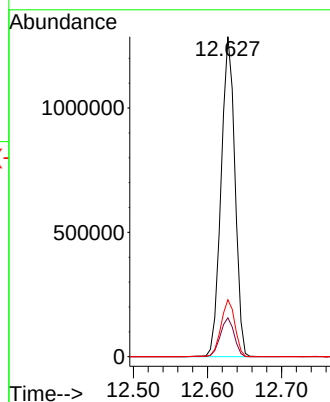
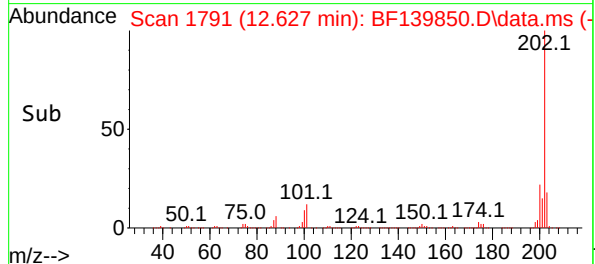
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:202 Resp: 1671408
Ion Ratio Lower Upper
202 100
101 12.1 0.0 31.9
203 17.8 0.0 37.5

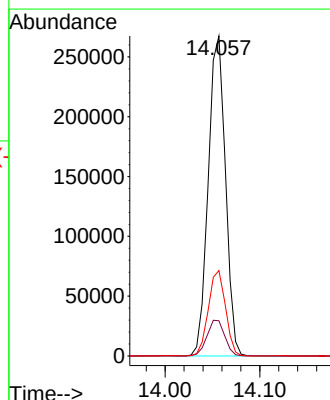
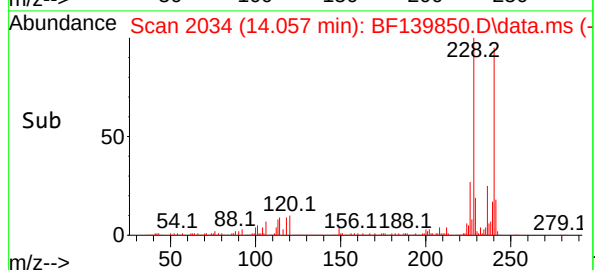
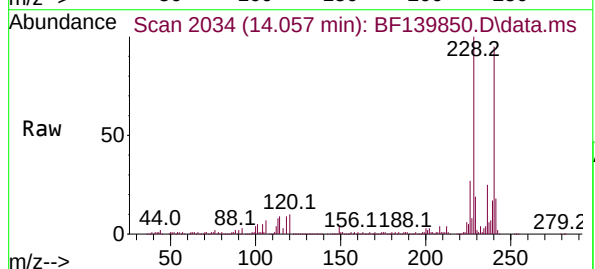
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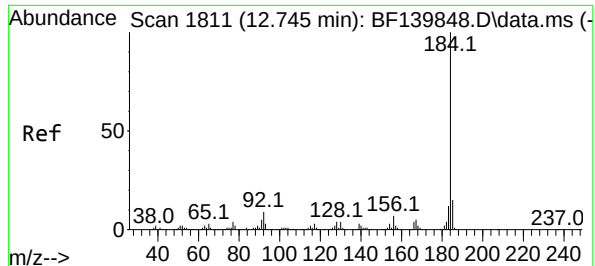
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

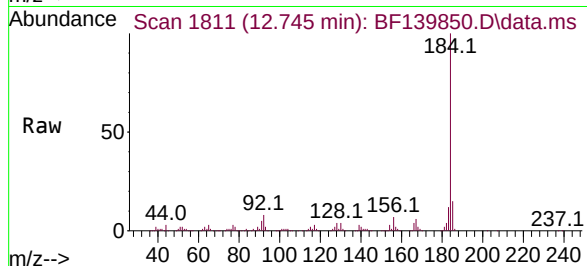
Tgt Ion:240 Resp: 337032
Ion Ratio Lower Upper
240 100
120 11.0 9.4 14.2
236 26.7 20.9 31.3





#77
Benzidine
Concen: 37.499 ng
RT: 12.745 min Scan# 1811
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

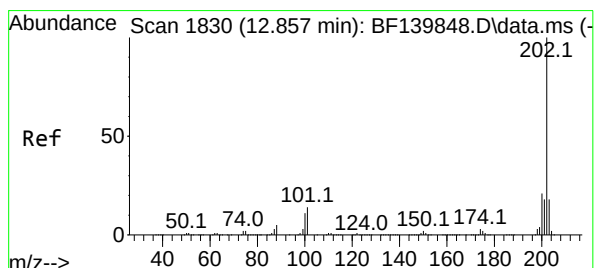
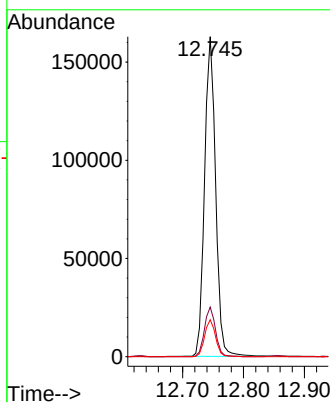
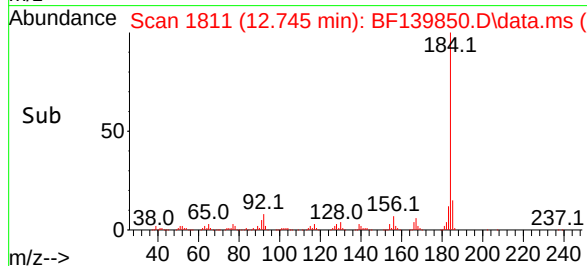
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



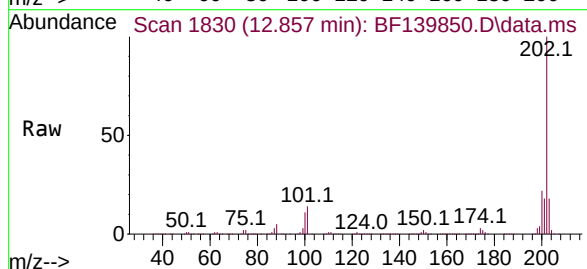
Tgt Ion:184 Resp: 205548
Ion Ratio Lower Upper
184 100
185 15.5 12.0 18.0
183 11.5 9.4 14.2

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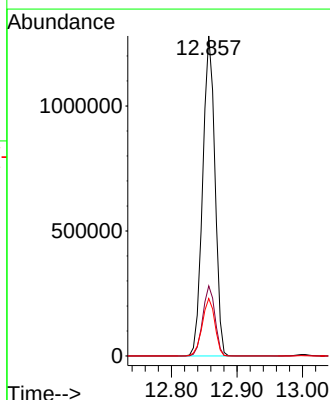
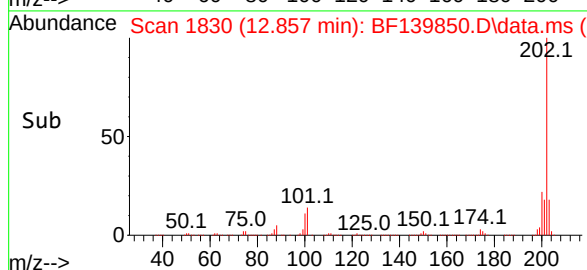
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

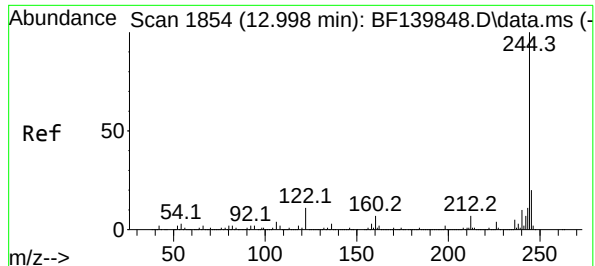


#78
Pyrene
Concen: 56.522 ng
RT: 12.857 min Scan# 1830
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17



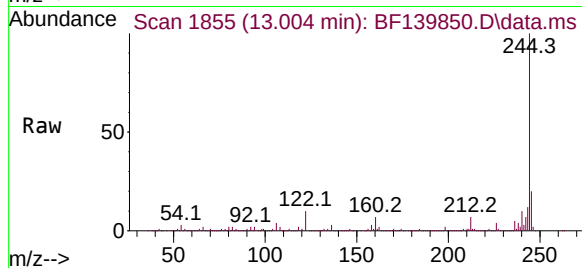
Tgt Ion:202 Resp: 1667489
Ion Ratio Lower Upper
202 100
200 21.9 17.2 25.8
203 18.0 14.2 21.4





#79
Terphenyl-d14
Concen: 109.563 ng
RT: 13.004 min Scan# 1855
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

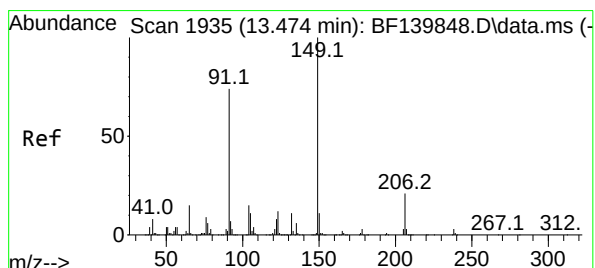
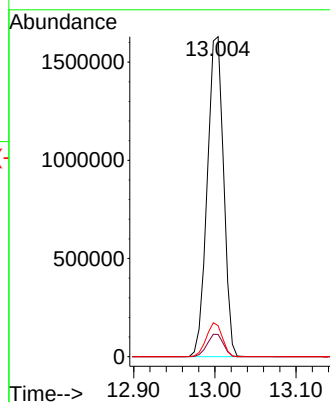
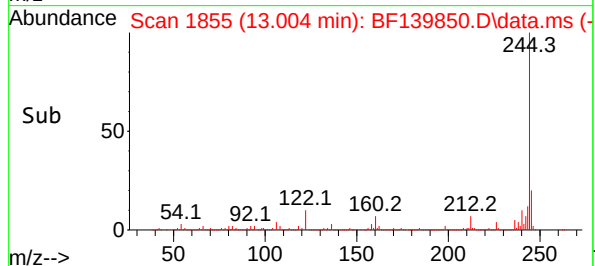
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:244 Resp: 226612
Ion Ratio Lower Upper
244 100
212 7.0 5.7 8.5
122 9.7 8.6 13.0

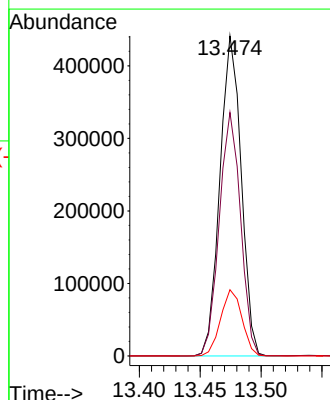
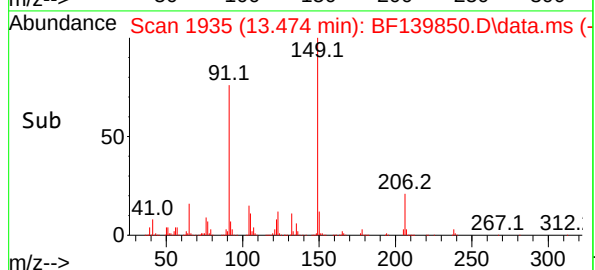
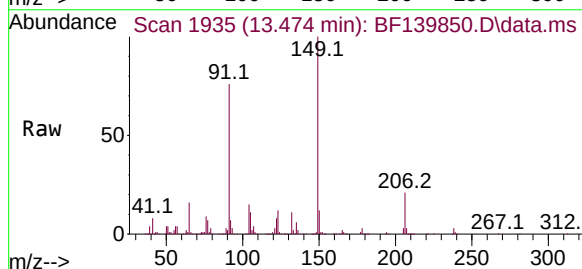
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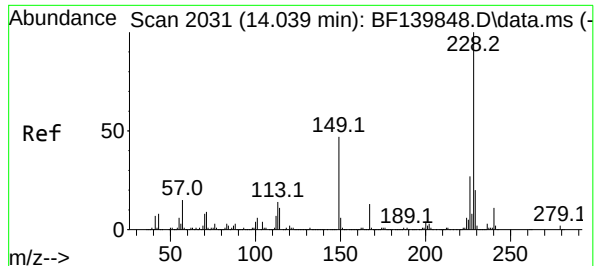
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#80
Butylbenzylphthalate
Concen: 60.719 ng
RT: 13.474 min Scan# 1935
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

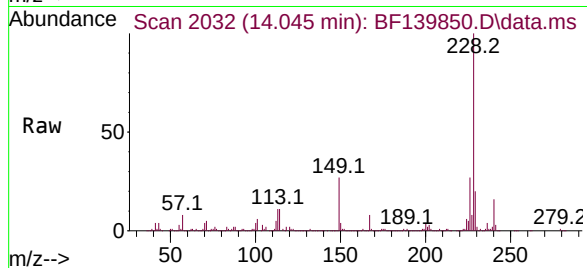
Tgt Ion:149 Resp: 537039
Ion Ratio Lower Upper
149 100
91 76.1 59.4 89.2
206 20.7 16.4 24.6





#81
Benzo(a)anthracene
Concen: 56.992 ng
RT: 14.045 min Scan# 2031
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

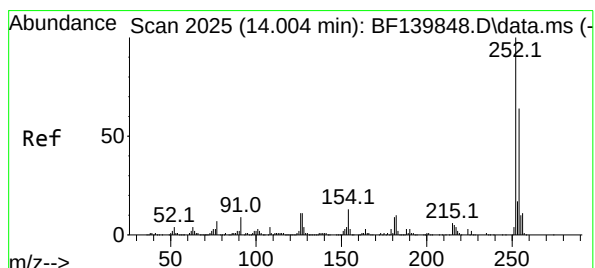
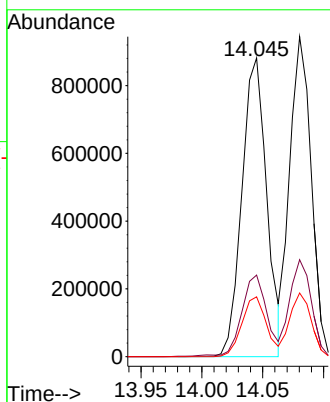
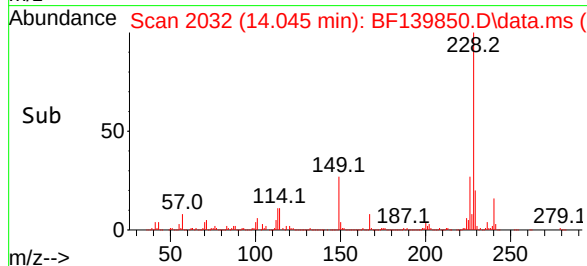
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



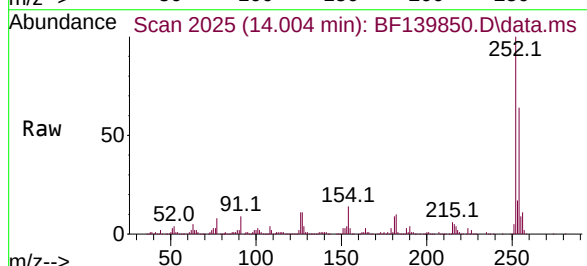
Tgt Ion:228 Resp: 125038
Ion Ratio Lower Upper
228 100
226 27.3 21.6 32.4
229 20.0 16.1 24.1

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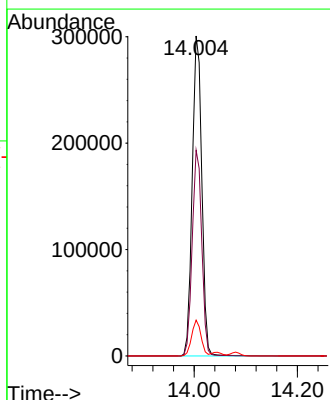
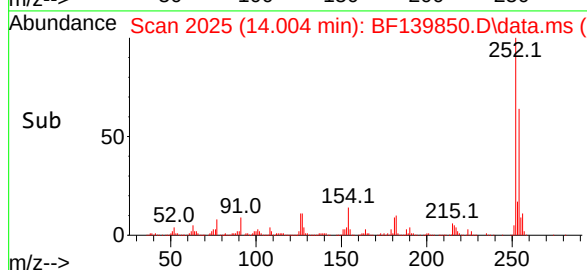
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

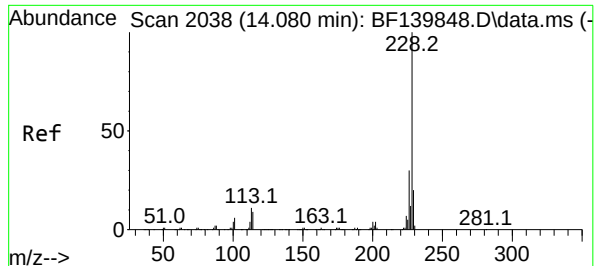


#82
3,3'-Dichlorobenzidine
Concen: 60.353 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17



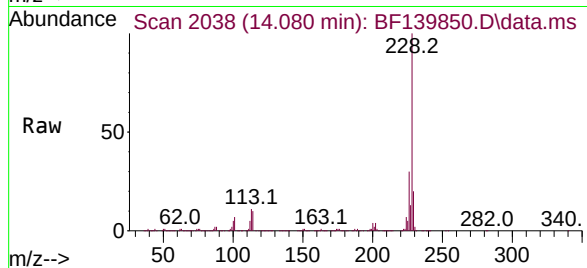
Tgt Ion:252 Resp: 386072
Ion Ratio Lower Upper
252 100
254 64.3 50.8 76.2
126 11.2 8.9 13.3





#83
Chrysene
Concen: 57.855 ng
RT: 14.080 min Scan# 2038
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

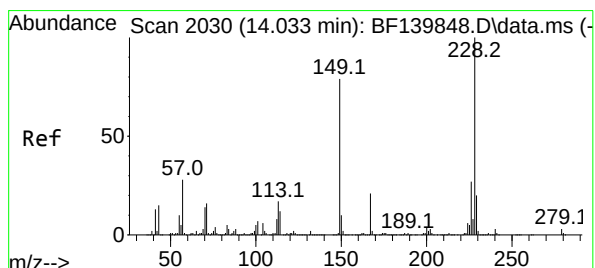
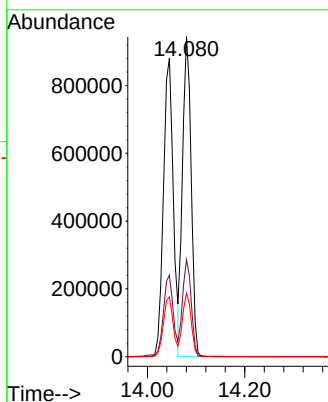
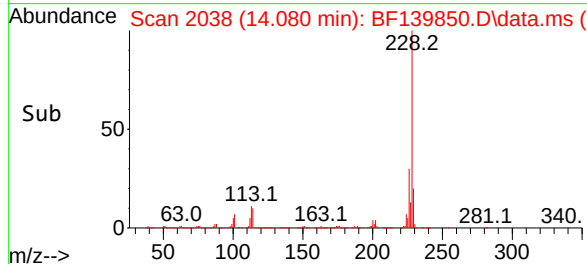
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:228 Resp: 1163808
Ion Ratio Lower Upper
228 100
226 30.3 24.1 36.1
229 19.9 15.8 23.6

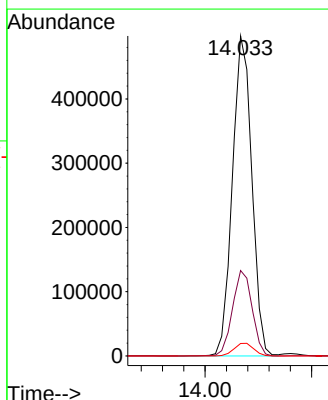
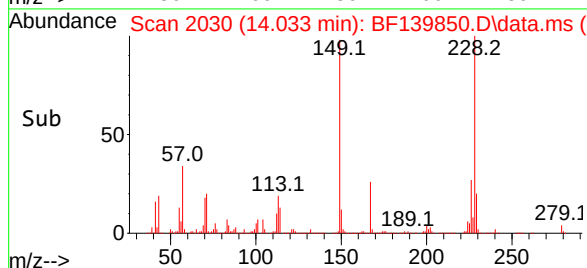
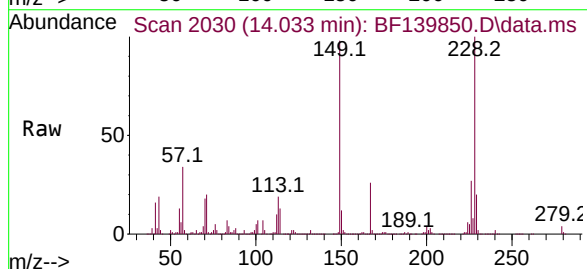
Manual Integrations
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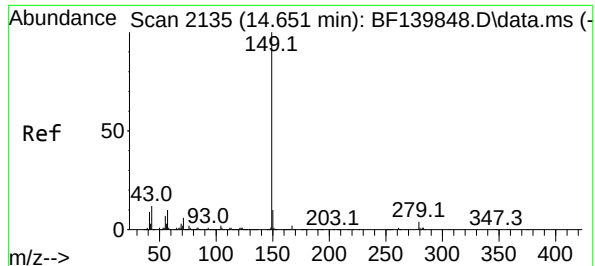
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#84
Bis(2-ethylhexyl)phthalate
Concen: 63.749 ng
RT: 14.033 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

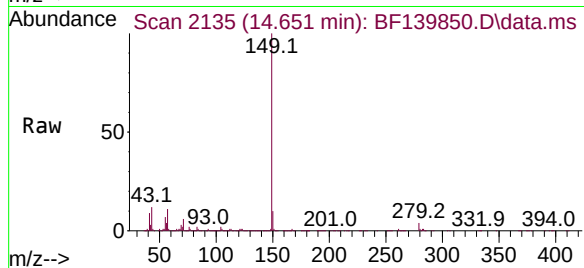
Tgt Ion:149 Resp: 632594
Ion Ratio Lower Upper
149 100
167 26.7 21.4 32.0
279 3.9 3.0 4.4





#85
Di-n-octyl phthalate
Concen: 67.634 ng
RT: 14.651 min Scan# 2135
Delta R.T. -0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

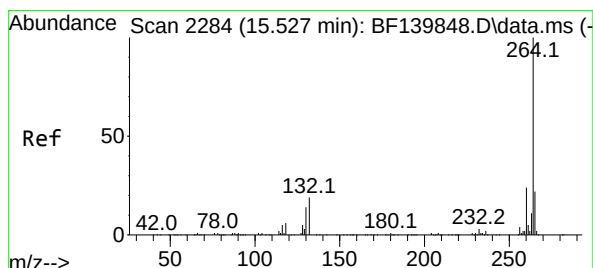
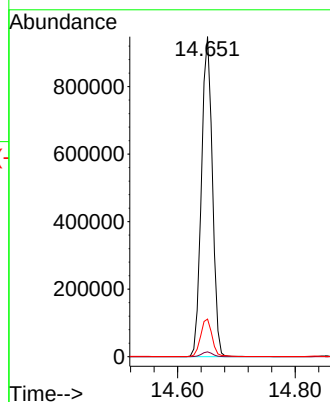
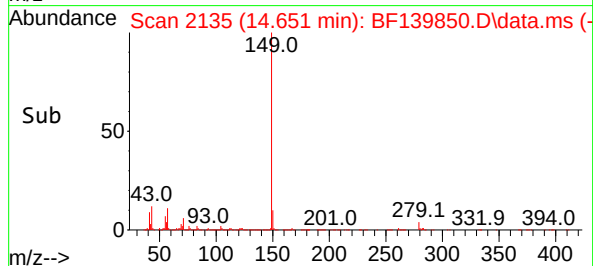
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:149 Resp: 122073
Ion Ratio Lower Upper
149 100
167 1.5 1.2 1.8
43 12.3 9.8 14.6

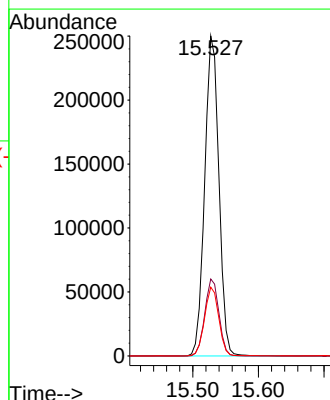
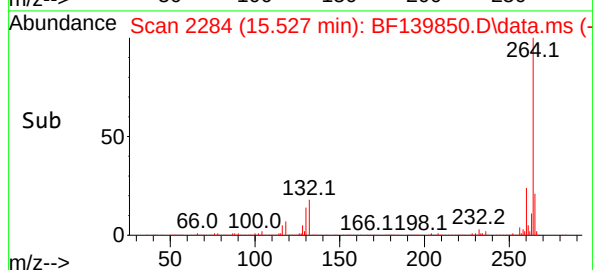
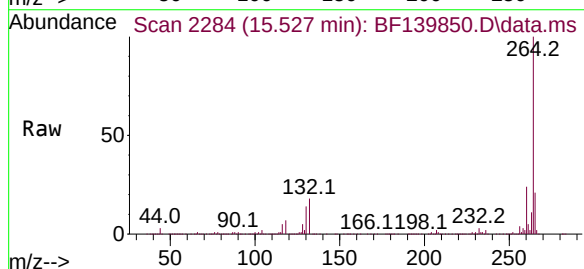
Manual Integrations
APPROVED

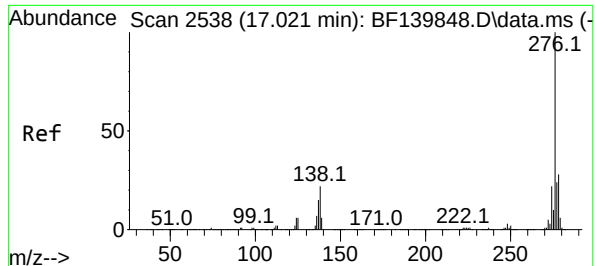
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2284
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:264 Resp: 377203
Ion Ratio Lower Upper
264 100
260 24.1 19.4 29.2
265 21.5 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 61.817 ng

RT: 17.027 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:276 Resp: 1500084

Ion Ratio Lower Upper

276 100

138 25.0 20.4 30.6

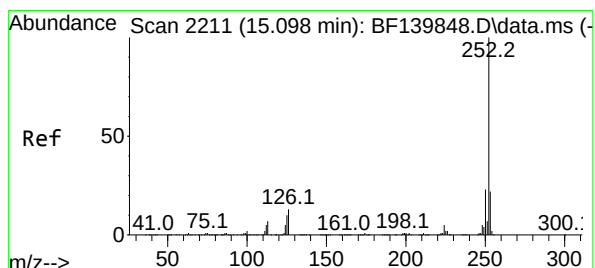
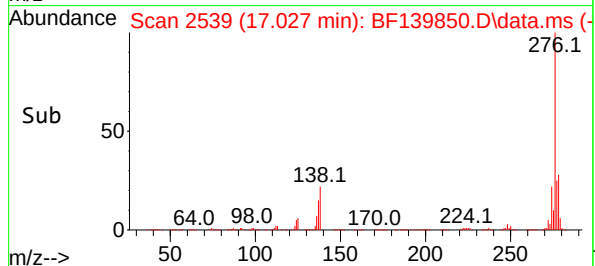
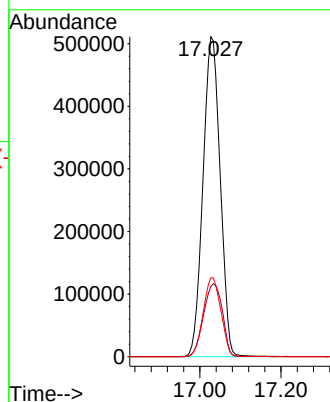
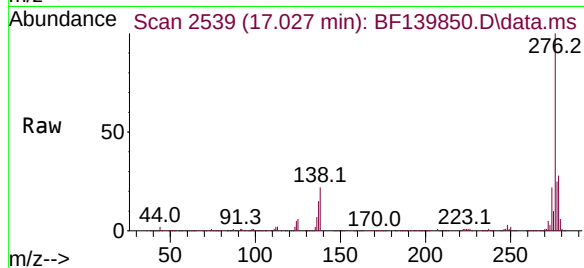
277 25.4 20.2 30.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#88

Benzo(b)fluoranthene

Concen: 61.033 ng

RT: 15.098 min Scan# 2211

Delta R.T. 0.000 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

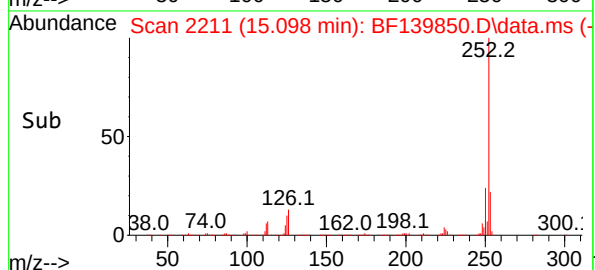
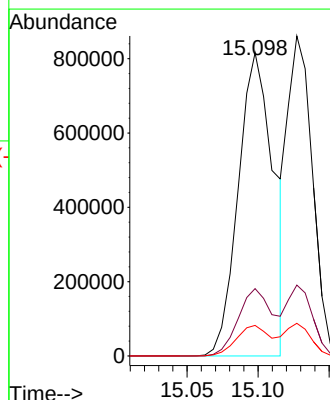
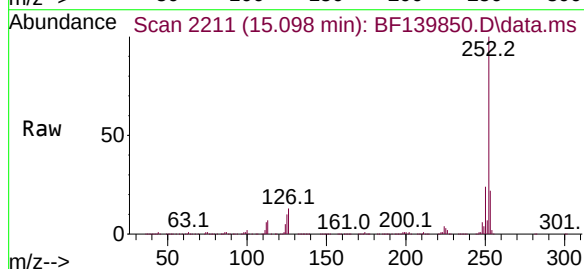
Tgt Ion:252 Resp: 1402395

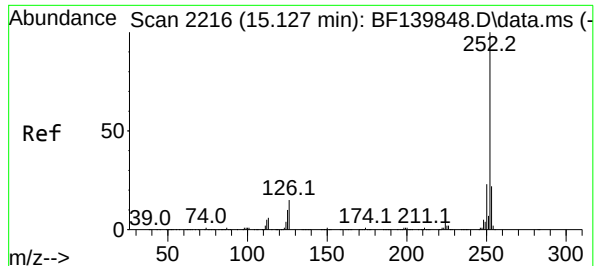
Ion Ratio Lower Upper

252 100

253 22.2 17.6 26.4

125 10.1 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 53.053 ng

RT: 15.127 min Scan# 2216

Delta R.T. 0.000 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:252 Resp: 105130

Ion Ratio Lower Upper

252 100

253 22.2 17.6 26.4

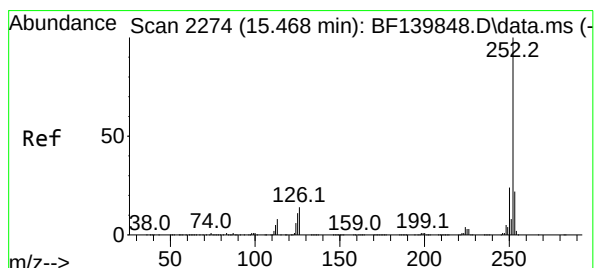
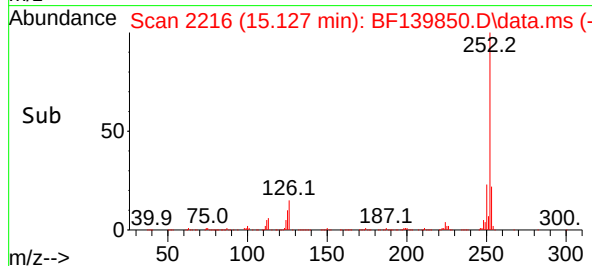
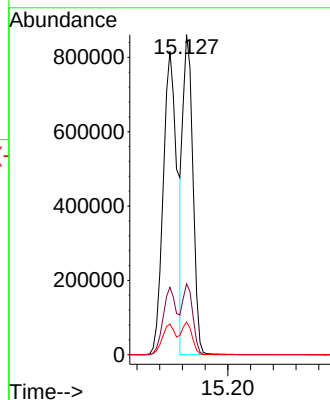
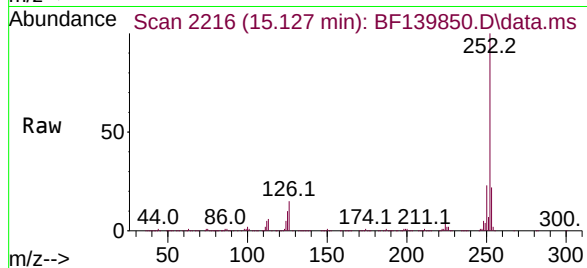
125 10.2 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#90

Benzo(a)pyrene

Concen: 59.764 ng

RT: 15.468 min Scan# 2274

Delta R.T. 0.000 min

Lab File: BF139850.D

Acq: 18 Oct 2024 13:17

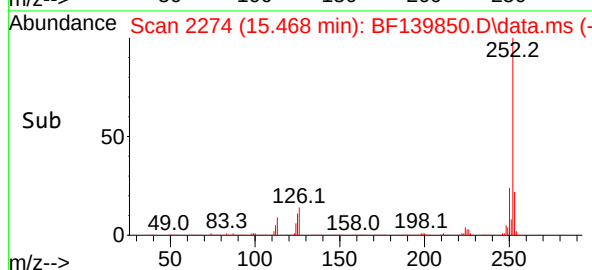
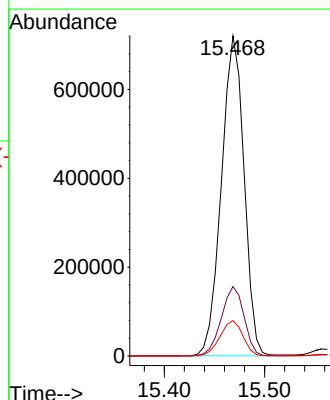
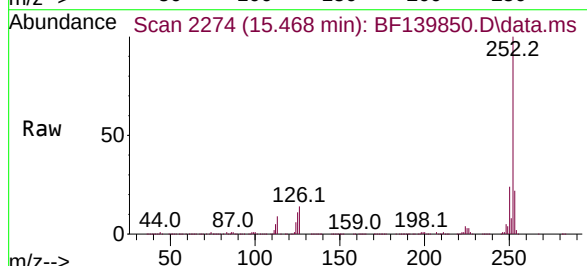
Tgt Ion:252 Resp: 1129942

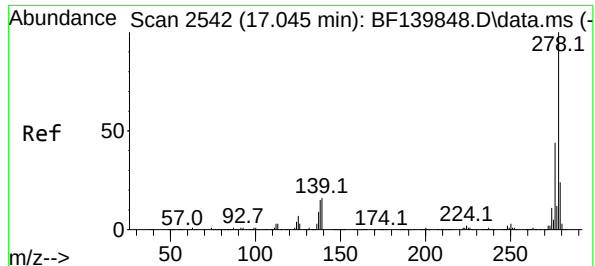
Ion Ratio Lower Upper

252 100

253 21.7 17.3 25.9

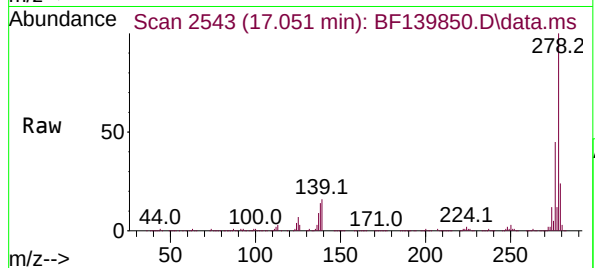
125 11.0 8.7 13.1





#91
Dibenzo(a,h)anthracene
Concen: 60.667 ng
RT: 17.051 min Scan# 2543
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

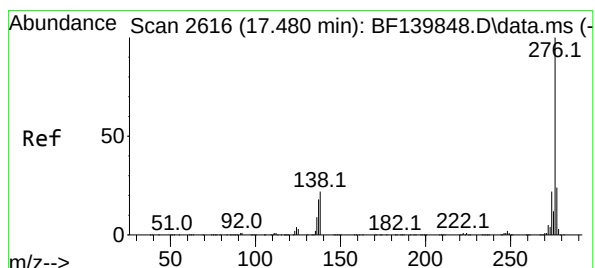
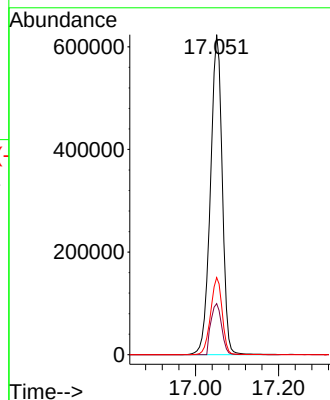
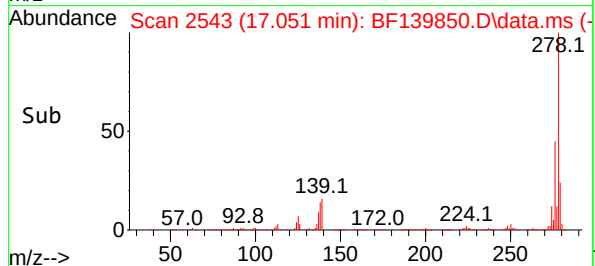
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:278 Resp: 1228124
Ion Ratio Lower Upper
278 100
139 16.0 13.1 19.7
279 24.1 19.0 28.4

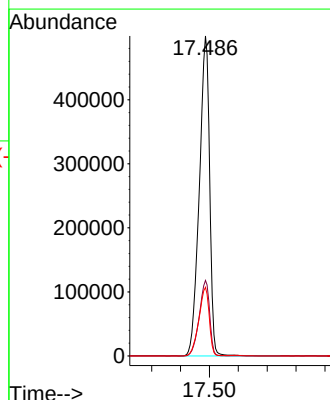
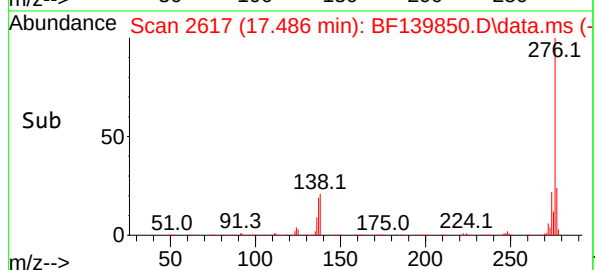
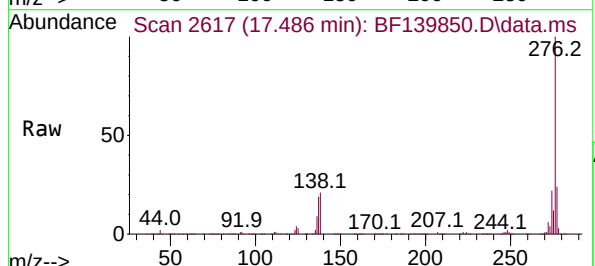
Manual Integrations
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Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#92
Benzo(g,h,i)perylene
Concen: 61.272 ng
RT: 17.486 min Scan# 2617
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:276 Resp: 1238955
Ion Ratio Lower Upper
276 100
277 23.6 19.0 28.6
138 21.4 17.4 26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101824\
 Data File : BF139851.D
 Acq On : 18 Oct 2024 13:46
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC080

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/21/2024
 Supervised By :mohammad ahmed 10/21/2024

Quant Time: Oct 18 14:21:12 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 14:11:20 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	187399	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	693285	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	377723	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	633721	20.000	ng	0.00
76) Chrysene-d12	14.057	240	323513	20.000	ng	0.00
86) Perylene-d12	15.533	264	374491	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	1657822	138.491	ng	0.00
7) Phenol-d6	6.522	99	2147173	138.492	ng	0.01
23) Nitrobenzene-d5	7.463	82	1897374	151.683	ng	0.01
42) 2,4,6-Tribromophenol	10.722	330	522350	147.845	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	2941186	128.689	ng	0.00
79) Terphenyl-d14	13.004	244	2634676	132.704	ng	0.00
Target Compounds						
2) 1,4-Dioxane	2.693	88	410806	73.604	ng	Qvalue
3) Pyridine	3.452	79	993777	71.834	ng	99
4) n-Nitrosodimethylamine	3.422	42	567647	76.370	ng	98
6) Aniline	6.598	93	992375m	68.680	ng	
8) 2-Chlorophenol	6.681	128	836233	68.333	ng	98
9) Benzaldehyde	6.445	77	554983	63.632	ng	99
10) Phenol	6.534	94	1125558	69.172	ng	95
11) bis(2-Chloroethyl)ether	6.634	93	886786	71.780	ng	99
12) 1,3-Dichlorobenzene	6.834	146	969627	69.024	ng	98
13) 1,4-Dichlorobenzene	6.910	146	968088	68.978	ng	99
14) 1,2-Dichlorobenzene	7.069	146	861333	65.758	ng	99
15) Benzyl Alcohol	7.034	79	803101	70.616	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.169	45	1472196	69.886	ng	99
17) 2-Methylphenol	7.140	107	752459	72.109	ng	99
18) Hexachloroethane	7.410	117	357637	71.459	ng	97
19) n-Nitroso-di-n-propyla...	7.316	70	651048	69.238	ng	99
20) 3+4-Methylphenols	7.298	107	878987	65.856	ng	# 85
22) Acetophenone	7.310	105	1149288	67.682	ng	98
24) Nitrobenzene	7.481	77	1025571	74.779	ng	99
25) Isophorone	7.722	82	1767234	74.436	ng	100
26) 2-Nitrophenol	7.792	139	434755	84.029	ng	99
27) 2,4-Dimethylphenol	7.822	122	619136	71.765	ng	99
28) bis(2-Chloroethoxy)met...	7.928	93	1022457	71.081	ng	100
29) 2,4-Dichlorophenol	8.028	162	711892	72.445	ng	99
30) 1,2,4-Trichlorobenzene	8.116	180	774108	71.194	ng	99
31) Naphthalene	8.198	128	2427578	67.894	ng	99
32) Benzoic acid	7.963	122	651887	86.634	ng	99
33) 4-Chloroaniline	8.251	127	849601	69.684	ng	99
34) Hexachlorobutadiene	8.316	225	490203	71.753	ng	99
35) Caprolactam	8.634	113	239184	76.550	ng	99
36) 4-Chloro-3-methylphenol	8.722	107	794640	73.031	ng	99
37) 2-Methylnaphthalene	8.886	142	1487841	67.944	ng	100
38) 1-Methylnaphthalene	8.986	142	1457890	67.858	ng	99
40) 1,2,4,5-Tetrachloroben...	9.051	216	712936	69.962	ng	100
41) Hexachlorocyclopentadiene	9.039	237	256007	72.201	ng	100
43) 2,4,6-Trichlorophenol	9.163	196	535533	74.228	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101824\
 Data File : BF139851.D
 Acq On : 18 Oct 2024 13:46
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC080

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/21/2024
 Supervised By :mohammad ahmed 10/21/2024

Quant Time: Oct 18 14:21:12 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 14:11:20 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	542663	72.904	ng	99
46) 1,1'-Biphenyl	9.357	154	1753952	66.703	ng	99
47) 2-Chloronaphthalene	9.381	162	1470012	69.411	ng	99
48) 2-Nitroaniline	9.469	65	527552	81.447	ng	99
49) Acenaphthylene	9.792	152	2106357	68.796	ng	99
50) Dimethylphthalate	9.657	163	1676969	71.277	ng	99
51) 2,6-Dinitrotoluene	9.716	165	393234	77.193	ng	99
52) Acenaphthene	9.969	154	1378724	69.610	ng	99
53) 3-Nitroaniline	9.886	138	387157	73.697	ng	96
54) 2,4-Dinitrophenol	9.986	184	169167	79.932	ng	# 1
55) Dibenzofuran	10.139	168	1930402	67.930	ng	99
56) 4-Nitrophenol	10.033	139	314170	77.732	ng	99
57) 2,4-Dinitrotoluene	10.116	165	510703	81.523	ng	97
58) Fluorene	10.480	166	1426794	65.920	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.251	232	424598	72.764	ng	99
60) Diethylphthalate	10.357	149	1631842	70.641	ng	100
61) 4-Chlorophenyl-phenyle...	10.475	204	730565	66.837	ng	100
62) 4-Nitroaniline	10.504	138	383383	77.270	ng	98
63) Azobenzene	10.633	77	1727533	70.539	ng	99
65) 4,6-Dinitro-2-methylph...	10.528	198	235323	91.037	ng	98
66) n-Nitrosodiphenylamine	10.592	169	1350839	71.220	ng	99
67) 4-Bromophenyl-phenylether	10.963	248	477995	73.216	ng	99
68) Hexachlorobenzene	11.028	284	536511	73.070	ng	98
69) Atrazine	11.116	200	382294	74.406	ng	99
70) Pentachlorophenol	11.216	266	354105	79.464	ng	99
71) Phenanthrene	11.445	178	2045577	68.336	ng	100
72) Anthracene	11.492	178	1995750	68.333	ng	99
73) Carbazole	11.645	167	1818340	66.943	ng	99
74) Di-n-butylphthalate	11.980	149	2153517	68.623	ng	100
75) Fluoranthene	12.627	202	1955847	64.632	ng	99
77) Benzidine	12.745	184	318678	60.567	ng	99
78) Pyrene	12.857	202	1935829	68.360	ng	99
80) Butylbenzylphthalate	13.474	149	664532	78.274	ng	98
81) Benzo(a)anthracene	14.045	228	1512920	71.840	ng	99
82) 3,3'-Dichlorobenzidine	14.010	252	496976	80.937	ng	98
83) Chrysene	14.080	228	1424522	73.774	ng	99
84) Bis(2-ethylhexyl)phtha...	14.033	149	794387	83.399	ng	99
85) Di-n-octyl phthalate	14.651	149	1534331	88.561	ng	100
87) Indeno(1,2,3-cd)pyrene	17.033	276	1877616	77.935	ng	99
88) Benzo(b)fluoranthene	15.098	252	1664856	72.980	ng	99
89) Benzo(k)fluoranthene	15.133	252	1419158	72.134	ng	99
90) Benzo(a)pyrene	15.474	252	1419026	75.598	ng	100
91) Dibenzo(a,h)anthracene	17.057	278	1552091	77.226	ng	99
92) Benzo(g,h,i)perylene	17.492	276	1550622	77.240	ng	100

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

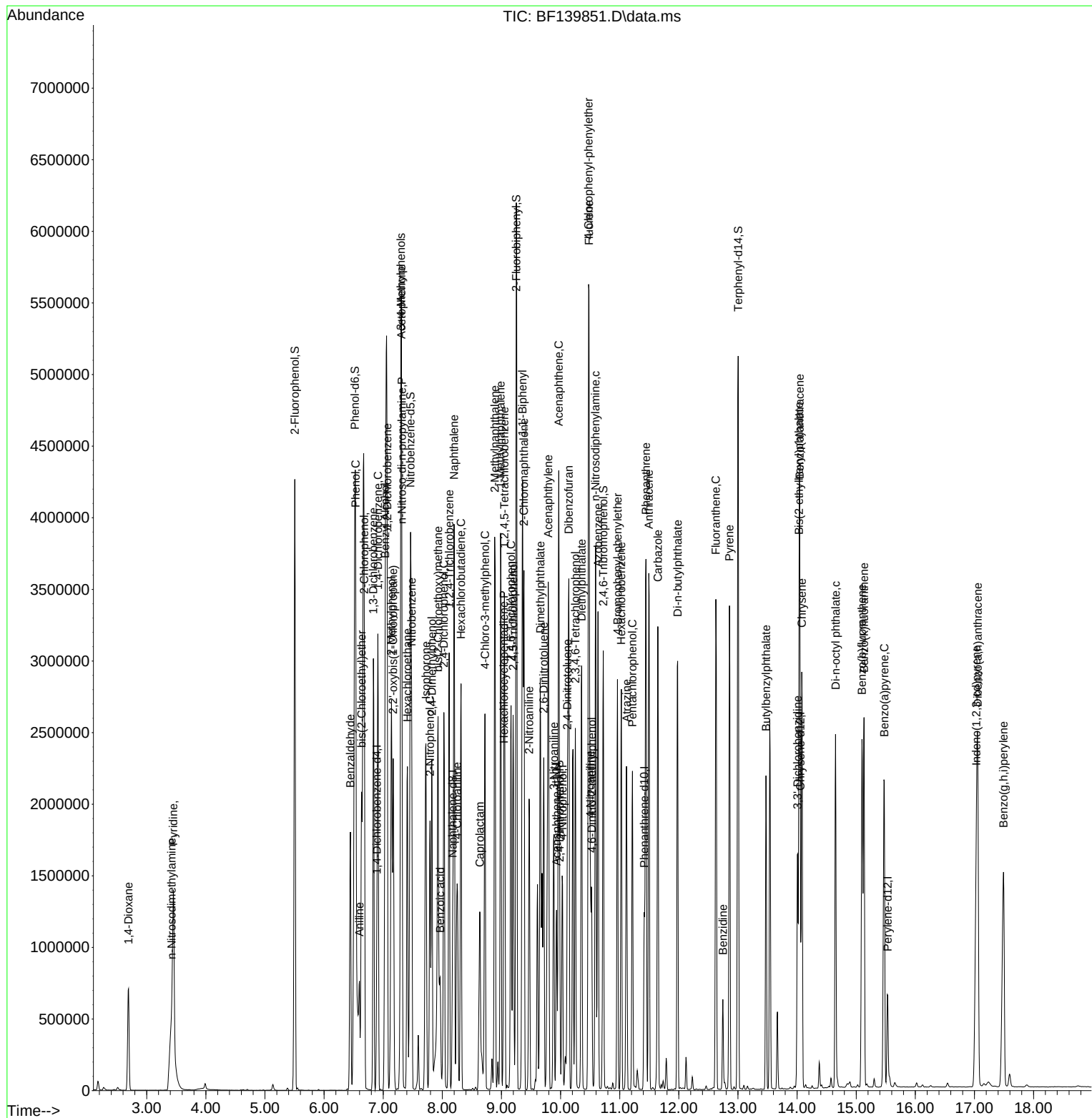
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101824\
Data File : BF139851.D
Acq On : 18 Oct 2024 13:46
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

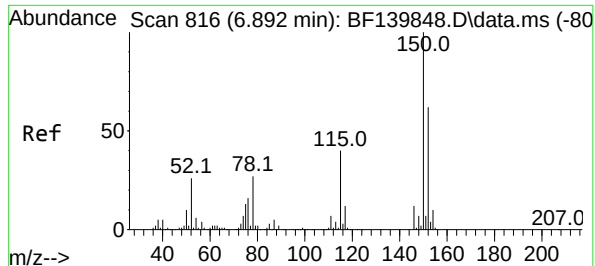
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

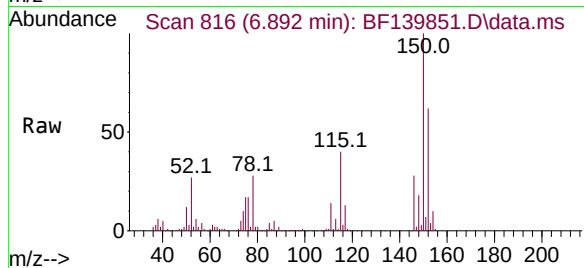
Quant Time: Oct 18 14:21:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 14:11:20 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 816
Delta R.T. 0.000 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

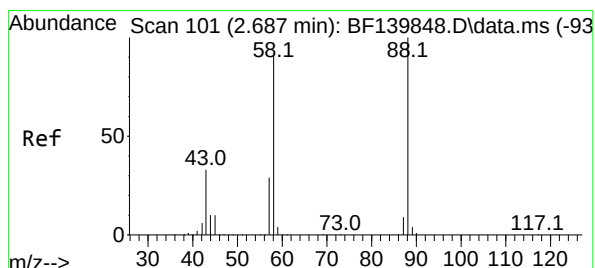
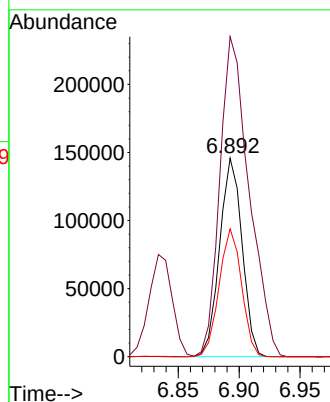
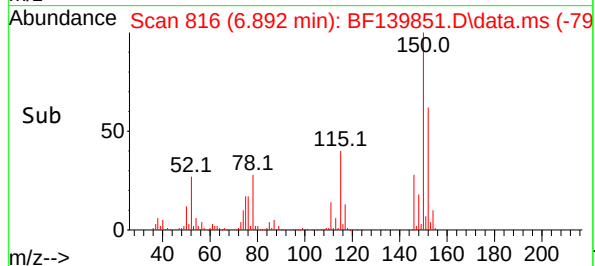
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:152 Resp: 187399
Ion Ratio Lower Upper
152 100
150 161.2 130.2 195.2
115 64.4 51.4 77.2

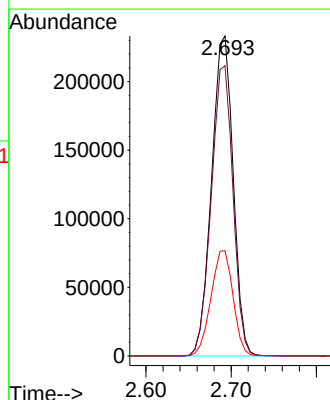
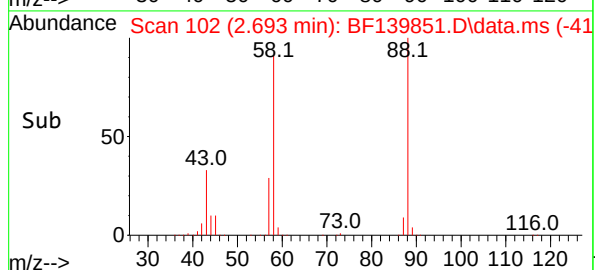
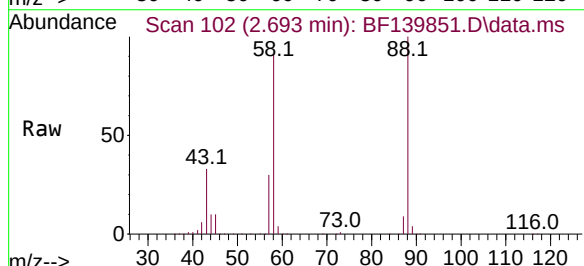
Manual Integrations
APPROVED

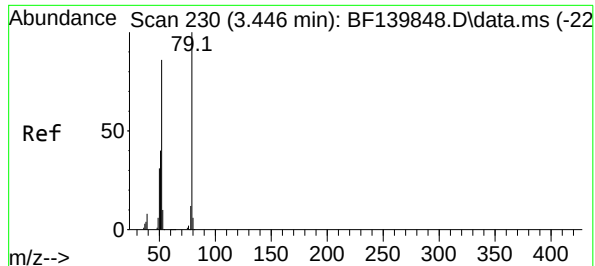
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#2
1,4-Dioxane
Concen: 73.604 ng
RT: 2.693 min Scan# 102
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion: 88 Resp: 410806
Ion Ratio Lower Upper
88 100
58 91.2 73.3 109.9
43 33.5 27.1 40.7





#3

Pyridine

Concen: 71.834 ng

RT: 3.452 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion: 79 Resp: 99377

Ion Ratio Lower Upper

79 100

52 86.1 68.5 102.7

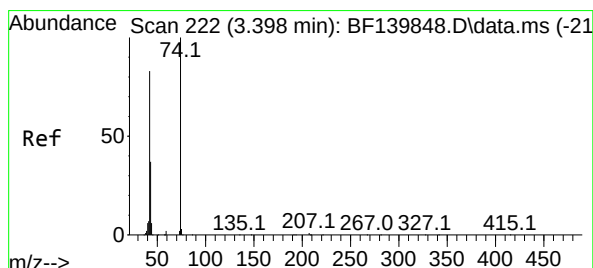
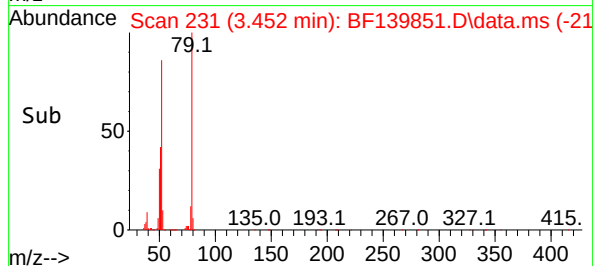
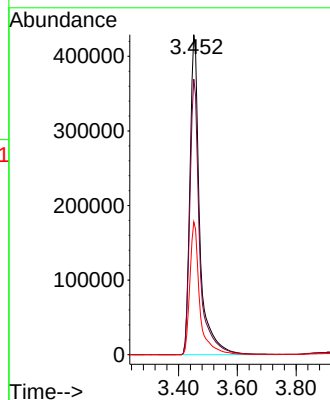
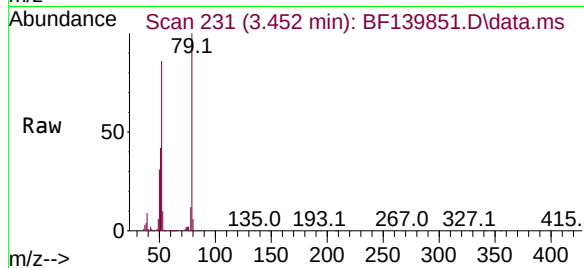
51 41.5 32.3 48.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#4

n-Nitrosodimethylamine

Concen: 76.370 ng

RT: 3.422 min Scan# 226

Delta R.T. 0.024 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46

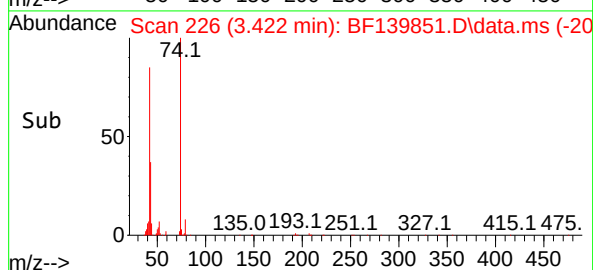
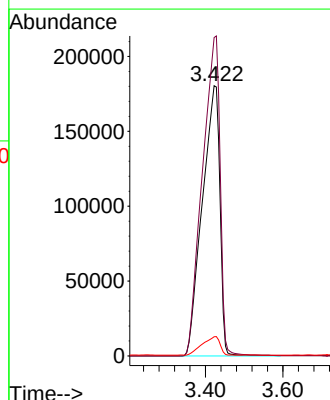
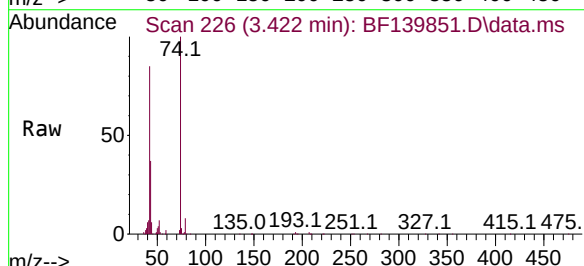
Tgt Ion: 42 Resp: 567647

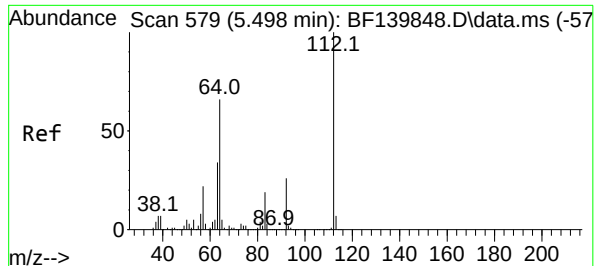
Ion Ratio Lower Upper

42 100

74 117.8 96.2 144.4

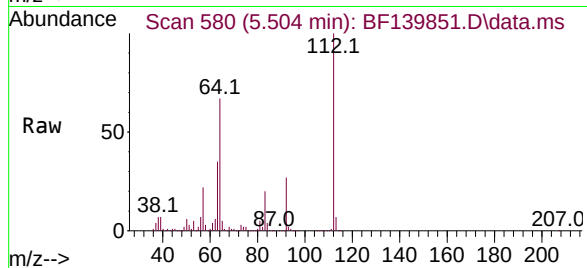
44 7.1 6.2 9.2





#5
2-Fluorophenol
Concen: 138.491 ng
RT: 5.504 min Scan# 51
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

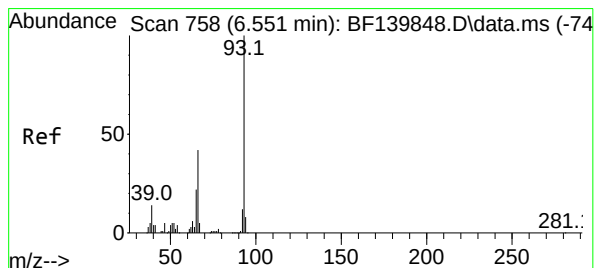
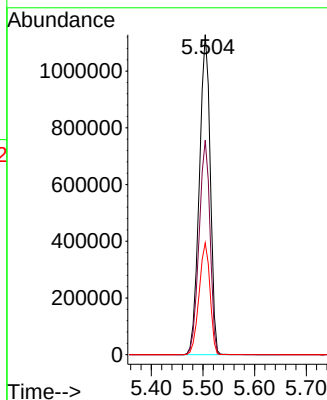
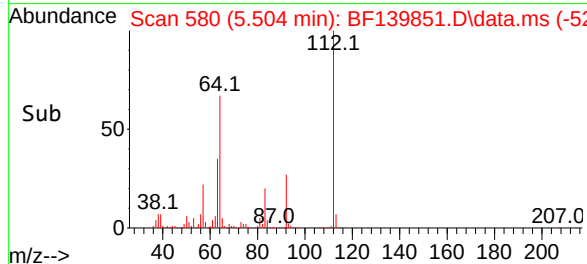
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion: 112 Resp: 165782
Ion Ratio Lower Upper
112 100
64 67.0 53.0 79.6
63 35.0 27.0 40.4

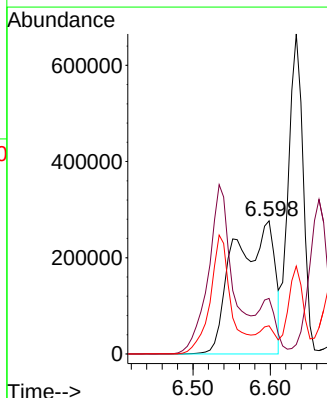
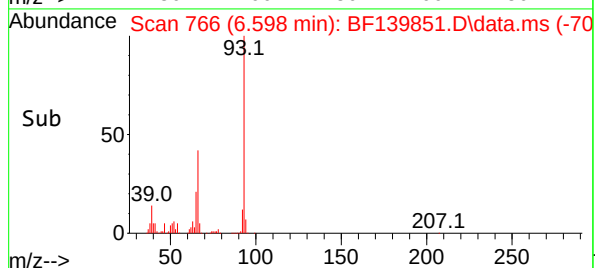
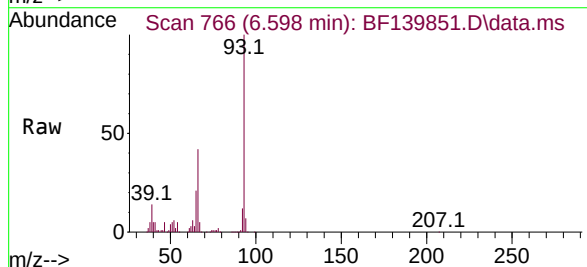
Manual Integrations
APPROVED

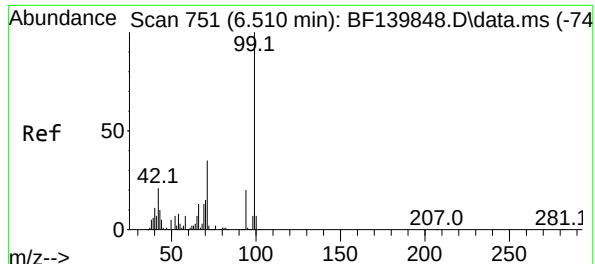
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#6
Aniline
Concen: 68.680 ng m
RT: 6.598 min Scan# 766
Delta R.T. 0.047 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion: 93 Resp: 992375
Ion Ratio Lower Upper
93 100
66 41.8 34.0 51.0
65 21.1 17.4 26.0





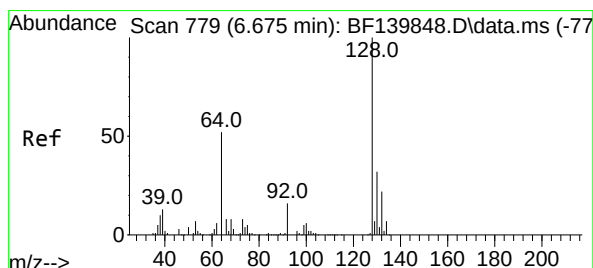
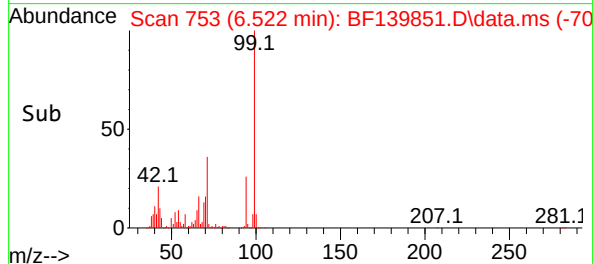
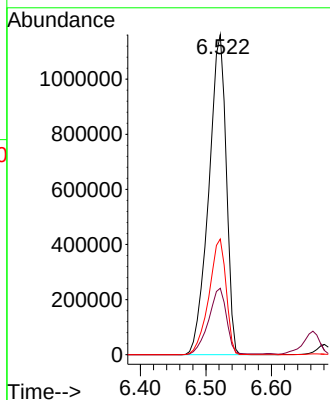
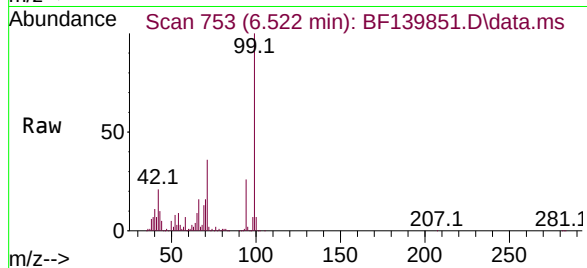
#7
Phenol-d6
Concen: 138.492 ng
RT: 6.522 min Scan# 751
Delta R.T. 0.012 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 99 Resp: 214717
Ion Ratio Lower Upper
99 100
42 20.8 16.7 25.1
71 36.1 27.7 41.5

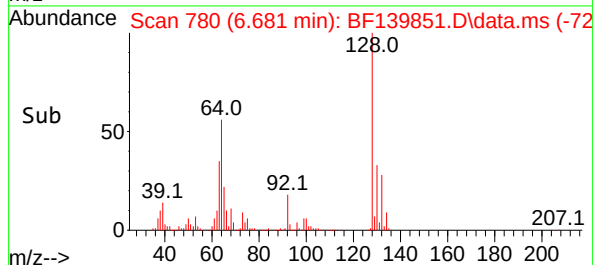
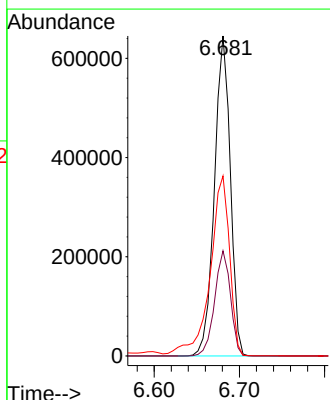
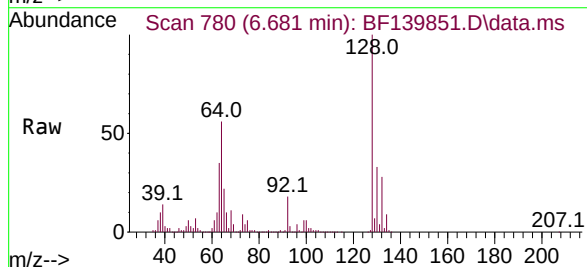
Manual Integrations
APPROVED

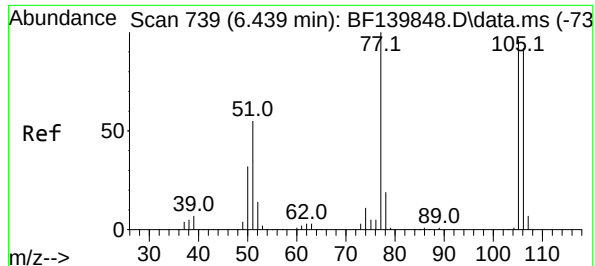
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#8
2-Chlorophenol
Concen: 68.333 ng
RT: 6.681 min Scan# 780
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion:128 Resp: 836233
Ion Ratio Lower Upper
128 100
130 32.8 12.3 52.3
64 56.2 34.6 74.6





#9

Benzaldehyde

Concen: 63.632 ng

RT: 6.445 min Scan# 740

Delta R.T. 0.006 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion: 77 Resp: 55498

Ion Ratio Lower Upper

77 100

105 96.4 75.5 115.5

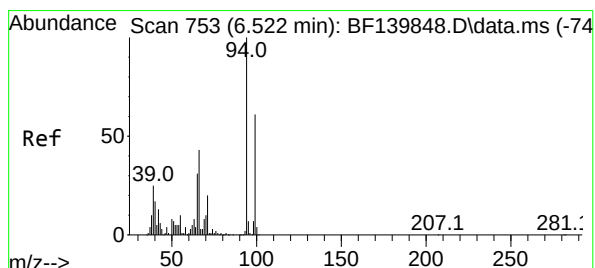
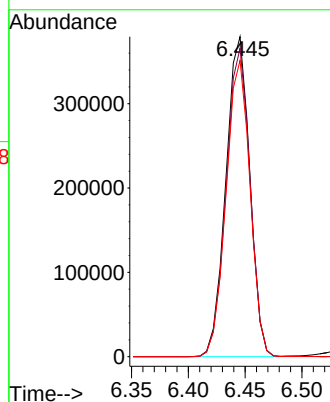
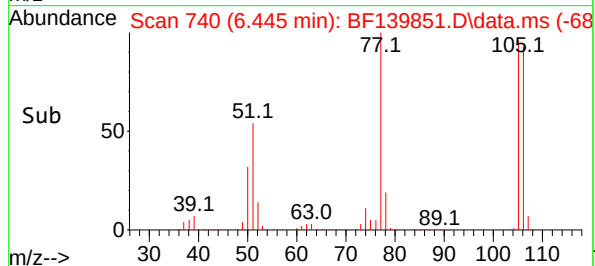
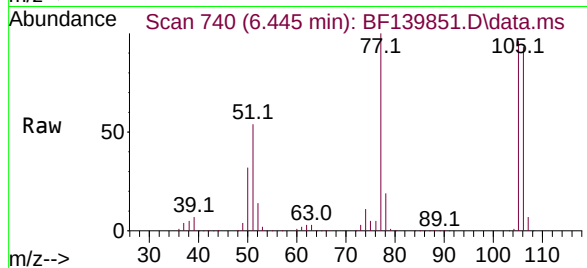
106 92.6 71.7 111.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#10

Phenol

Concen: 69.172 ng

RT: 6.534 min Scan# 755

Delta R.T. 0.012 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46

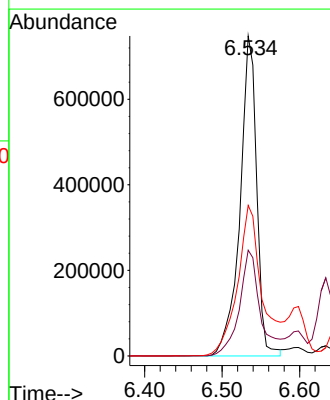
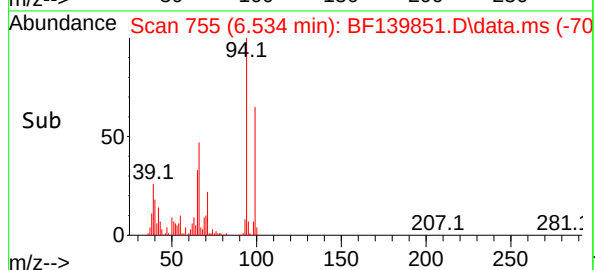
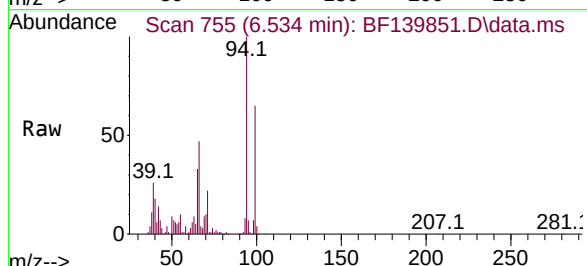
Tgt Ion: 94 Resp: 1125558

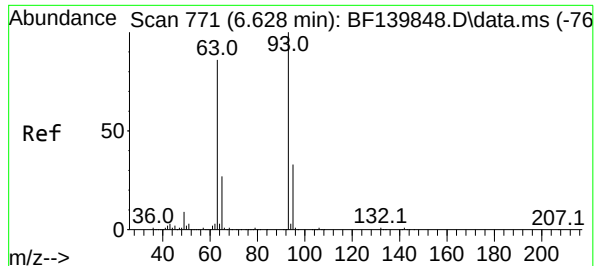
Ion Ratio Lower Upper

94 100

65 33.1 11.1 51.1

66 47.1 22.7 62.7





#11

bis(2-Chloroethyl)ether

Concen: 71.780 ng

RT: 6.634 min Scan# 771

Delta R.T. 0.006 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion: 93 Resp: 886780

Ion Ratio Lower Upper

93 100

63 85.6 65.0 105.0

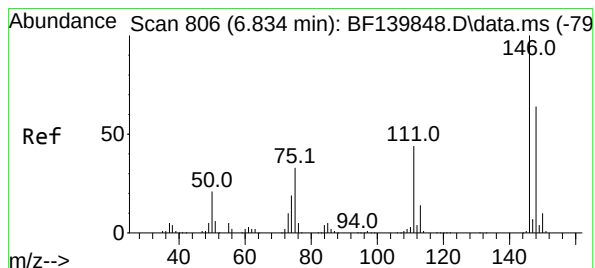
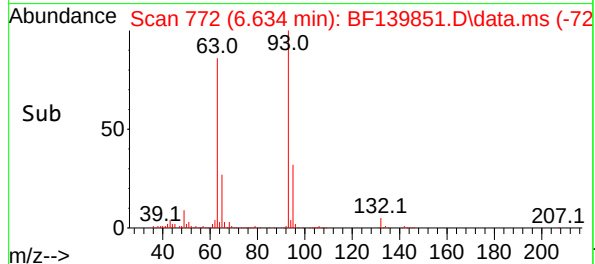
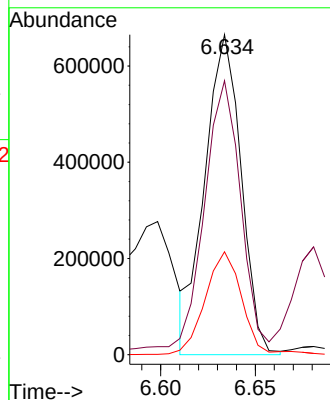
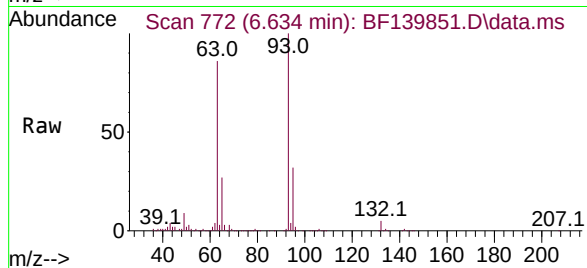
95 32.2 12.4 52.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#12

1,3-Dichlorobenzene

Concen: 69.024 ng

RT: 6.834 min Scan# 806

Delta R.T. 0.000 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46

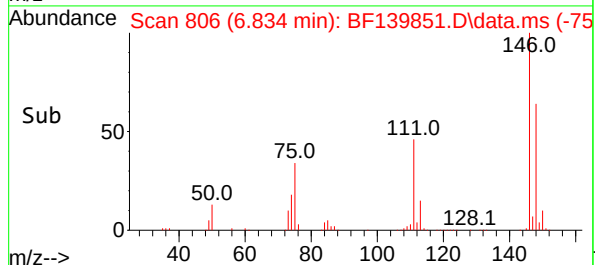
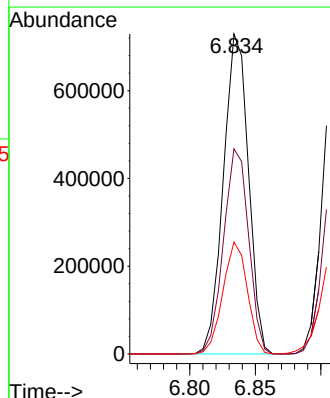
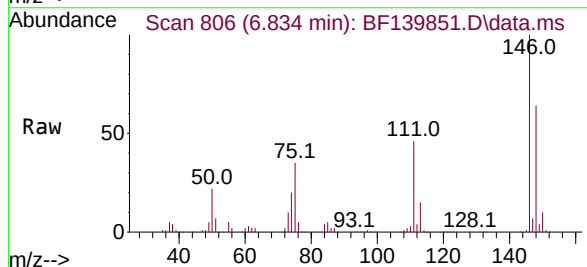
Tgt Ion:146 Resp: 969627

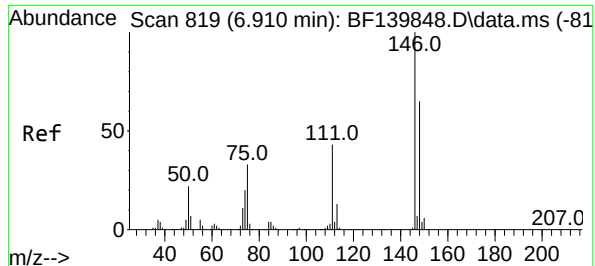
Ion Ratio Lower Upper

146 100

148 64.1 51.0 76.4

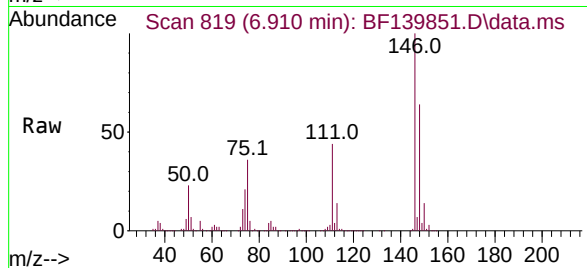
75 35.0 26.4 39.6





#13
1,4-Dichlorobenzene
Concen: 68.978 ng
RT: 6.910 min Scan# 819
Delta R.T. 0.000 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

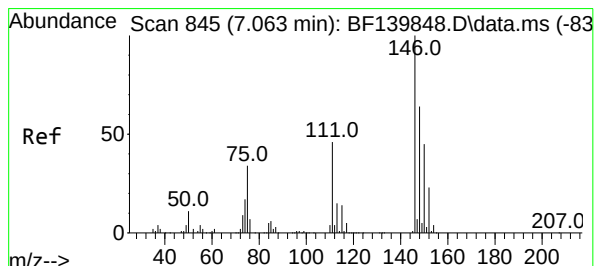
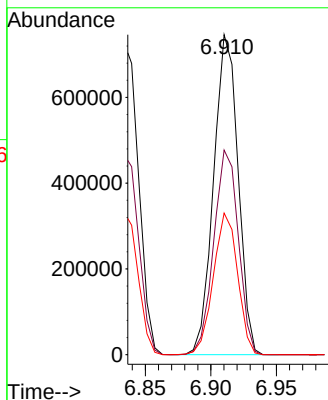
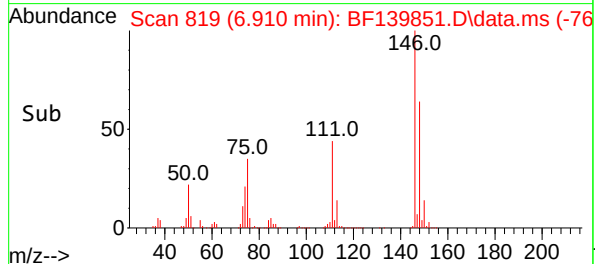
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



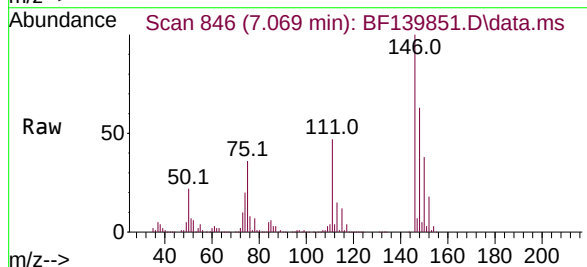
Tgt Ion:146 Resp: 96808
Ion Ratio Lower Upper
146 100
148 64.0 51.8 77.8
111 44.3 34.6 51.8

Manual Integrations
APPROVED

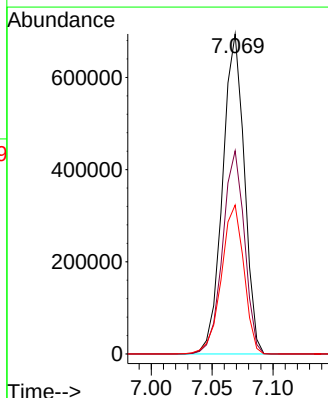
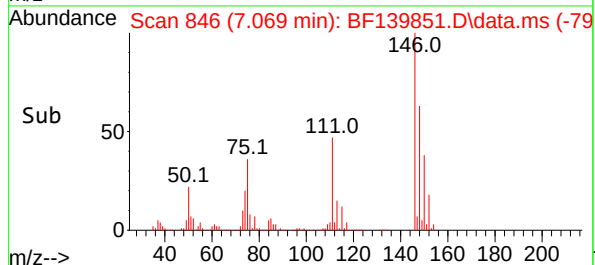
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

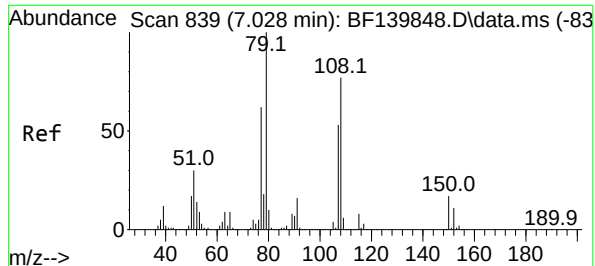


#14
1,2-Dichlorobenzene
Concen: 65.758 ng
RT: 7.069 min Scan# 846
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46



Tgt Ion:146 Resp: 861333
Ion Ratio Lower Upper
146 100
148 63.5 51.4 77.2
111 46.5 36.7 55.1





#15

Benzyl Alcohol

Concen: 70.616 ng

RT: 7.034 min Scan# 840

Delta R.T. 0.006 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion: 79 Resp: 80310

Ion Ratio Lower Upper

79 100

108 74.0 61.4 92.0

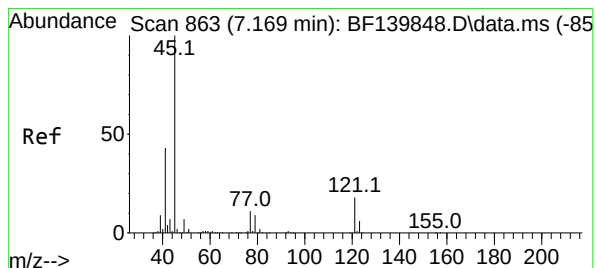
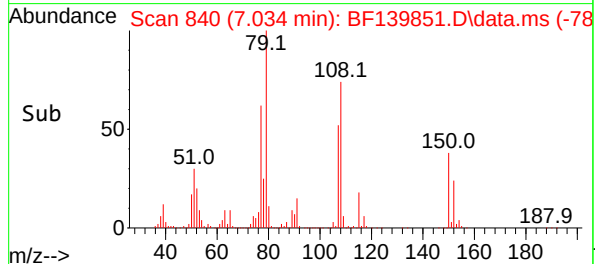
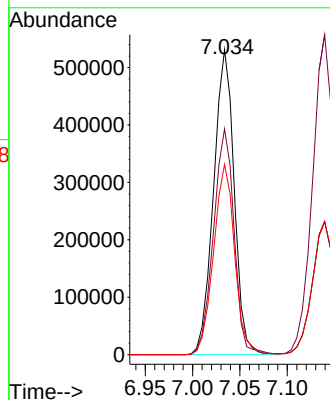
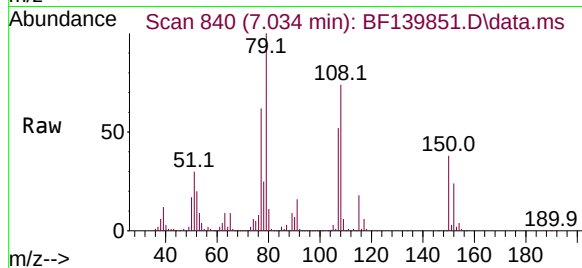
77 62.3 49.9 74.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#16

2,2'-oxybis(1-Chloropropane)

Concen: 69.886 ng

RT: 7.169 min Scan# 863

Delta R.T. 0.000 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46

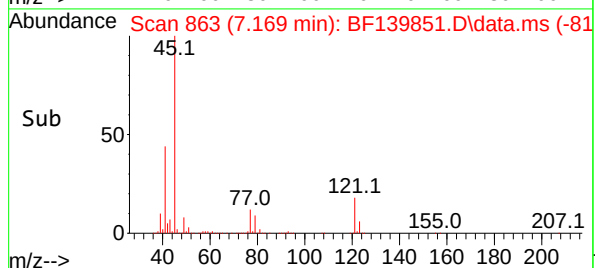
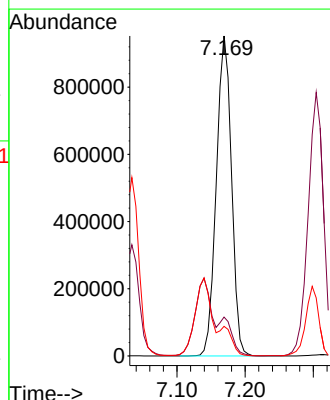
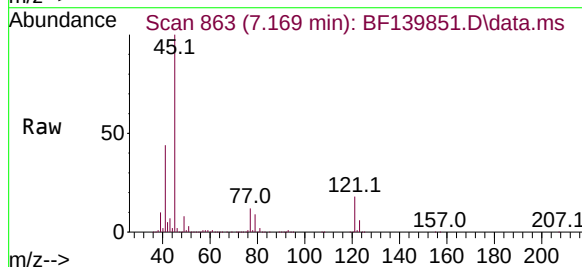
Tgt Ion: 45 Resp: 1472196

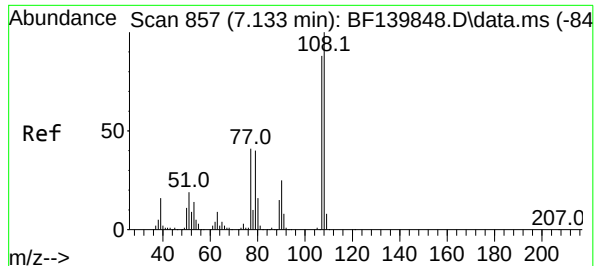
Ion Ratio Lower Upper

45 100

77 12.2 0.0 31.5

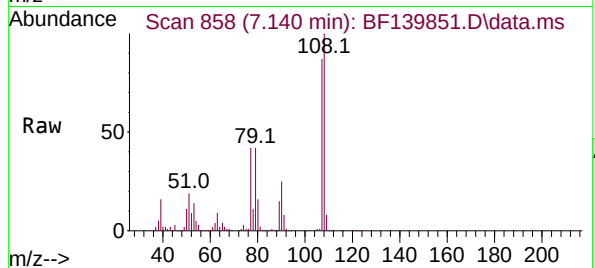
79 9.2 0.0 29.1





#17
2-Methylphenol
Concen: 72.109 ng
RT: 7.140 min Scan# 857
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

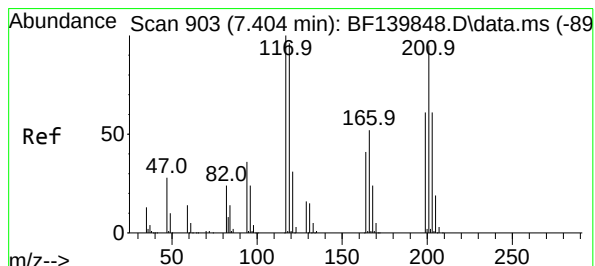
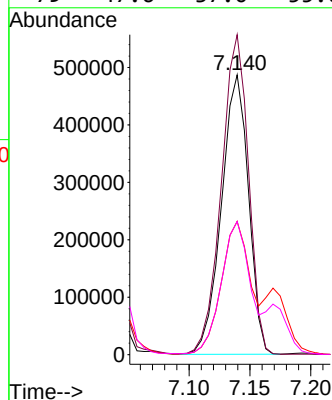
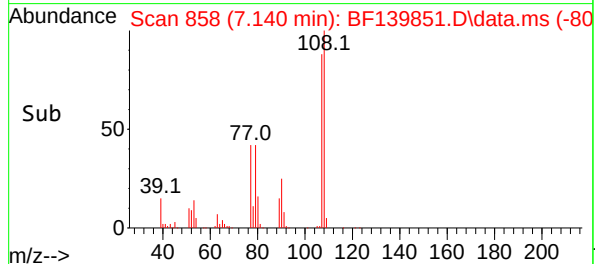
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:107 Resp: 752459
Ion Ratio Lower Upper
107 100
108 114.3 91.3 136.9
77 47.6 37.1 55.7
79 47.6 37.0 55.6

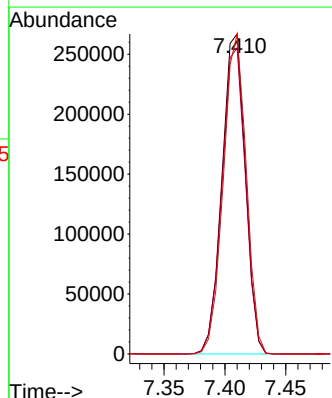
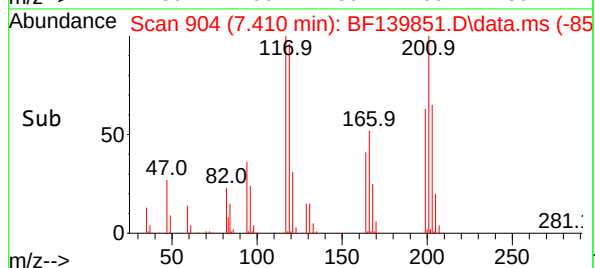
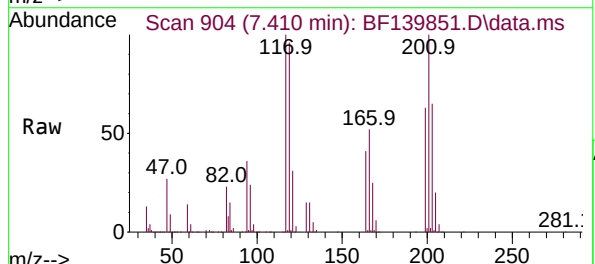
Manual Integrations
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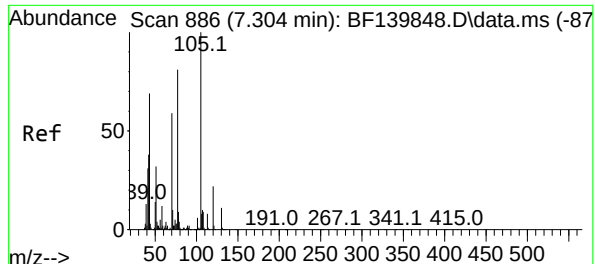
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#18
Hexachloroethane
Concen: 71.459 ng
RT: 7.410 min Scan# 904
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

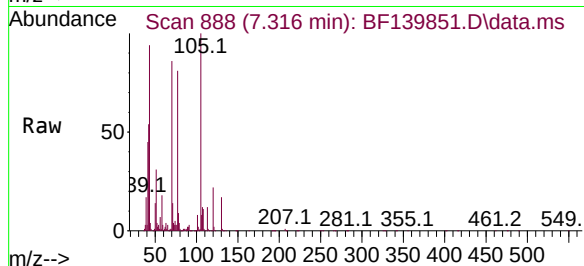
Tgt Ion:117 Resp: 357637
Ion Ratio Lower Upper
117 100
119 95.6 77.0 115.4
201 99.9 76.2 114.4





#19
n-Nitroso-di-n-propylamine
Concen: 69.238 ng
RT: 7.316 min Scan# 887
Delta R.T. 0.012 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

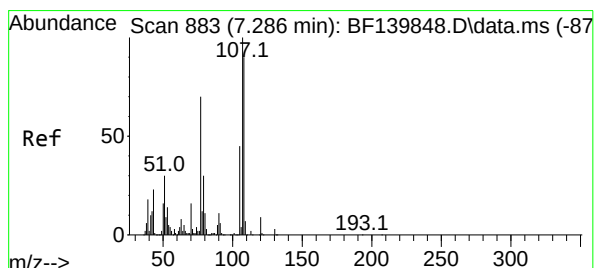
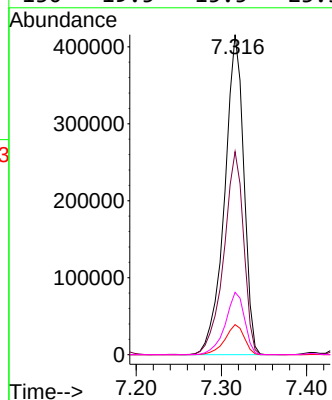
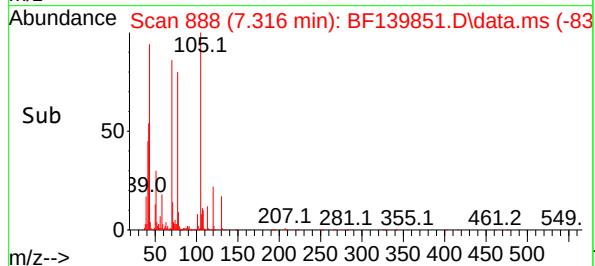
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion: 70 Resp: 651044
Ion Ratio Lower Upper
70 100
42 63.4 51.5 77.3
101 9.4 7.5 11.3
130 19.5 15.5 23.3

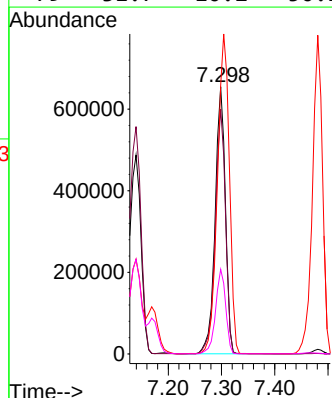
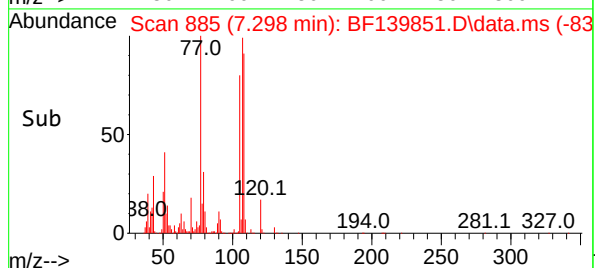
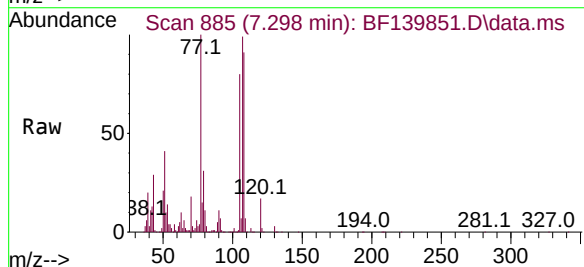
Manual Integrations
APPROVED

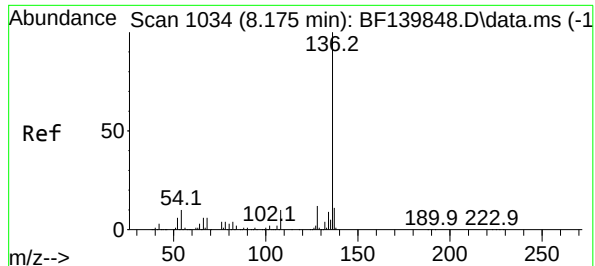
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#20
3+4-Methylphenols
Concen: 65.856 ng
RT: 7.298 min Scan# 885
Delta R.T. 0.012 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

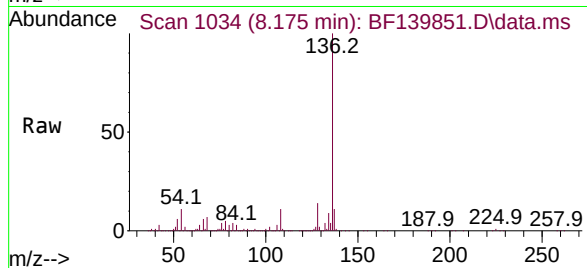
Tgt Ion:107 Resp: 878987
Ion Ratio Lower Upper
107 100
108 91.7 69.8 109.8
77 100.5 50.5 90.5#
79 31.7 10.2 50.2





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1034
Delta R.T. 0.000 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

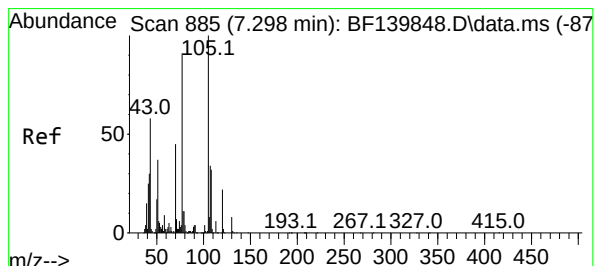
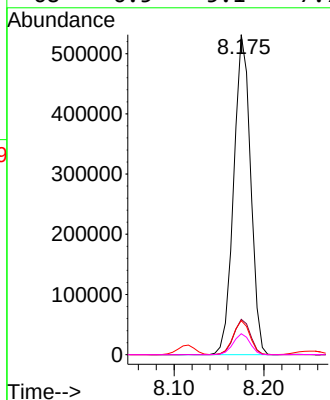
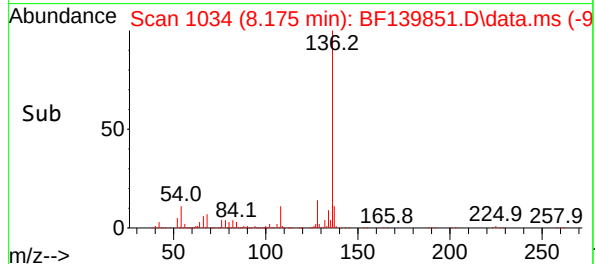
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:136 Resp: 693285
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 10.6 8.4 12.6
68 6.5 5.1 7.7

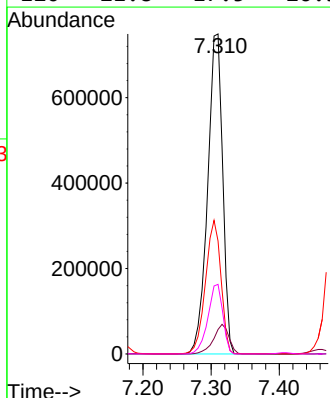
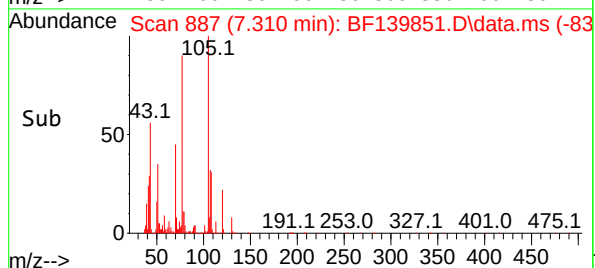
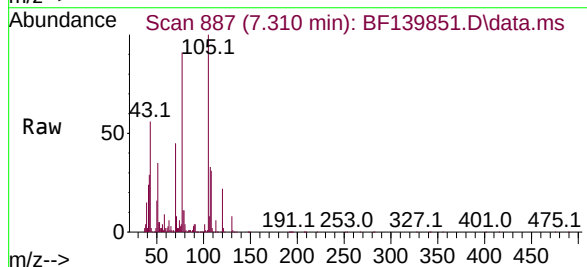
Manual Integrations
APPROVED

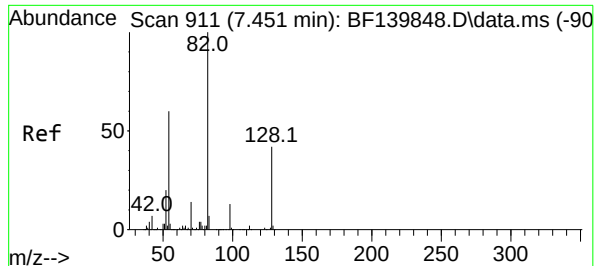
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#22
Acetophenone
Concen: 67.682 ng
RT: 7.310 min Scan# 887
Delta R.T. 0.012 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion:105 Resp: 1149288
Ion Ratio Lower Upper
105 100
71 7.6 5.9 8.9
51 35.3 29.4 44.2
120 21.8 17.5 26.3





#23

Nitrobenzene-d5

Concen: 151.683 ng

RT: 7.463 min Scan# 911

Delta R.T. 0.012 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion: 82 Resp: 1897374

Ion Ratio Lower Upper

82 100

128 42.6 33.4 50.0

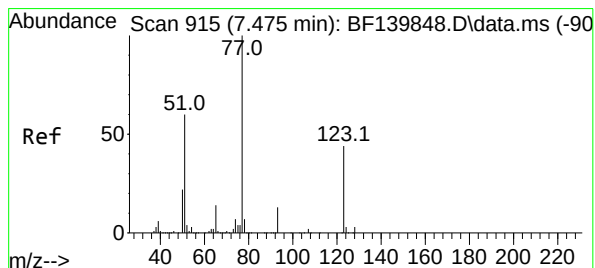
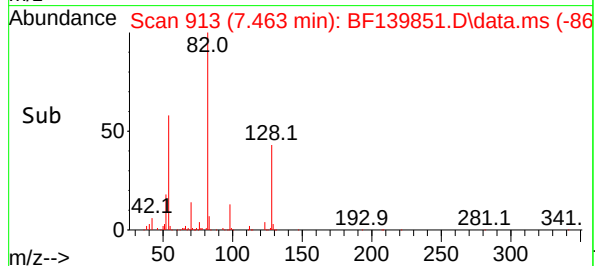
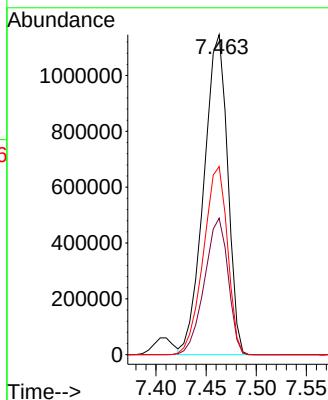
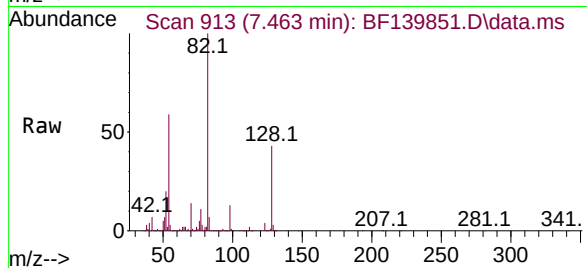
54 58.8 47.8 71.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#24

Nitrobenzene

Concen: 74.779 ng

RT: 7.481 min Scan# 916

Delta R.T. 0.006 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46

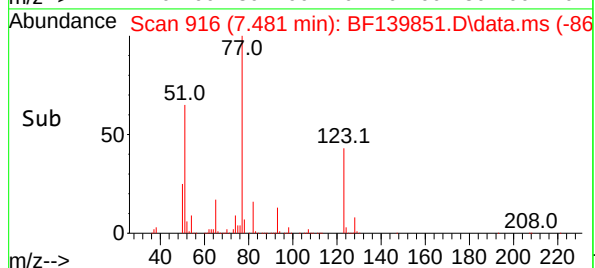
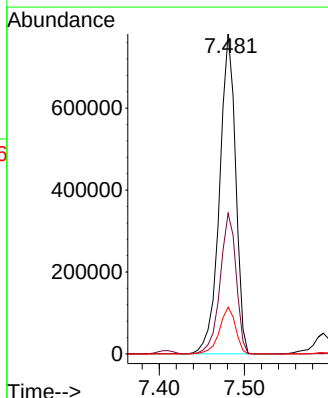
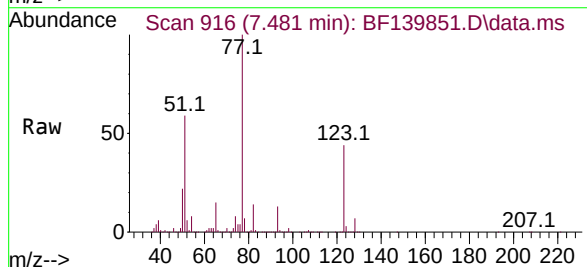
Tgt Ion: 77 Resp: 1025571

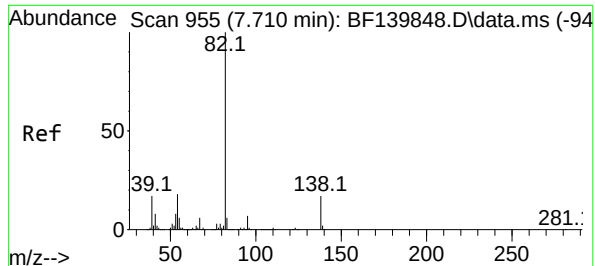
Ion Ratio Lower Upper

77 100

123 44.0 35.7 53.5

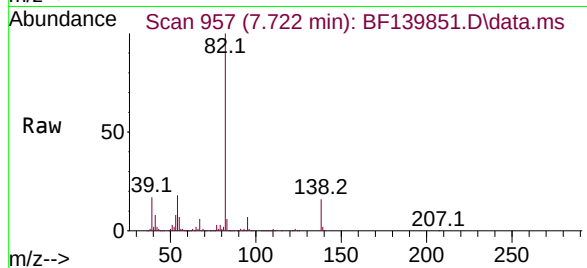
65 14.6 11.5 17.3





#25
Isophorone
Concen: 74.436 ng
RT: 7.722 min Scan# 91
Delta R.T. 0.012 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

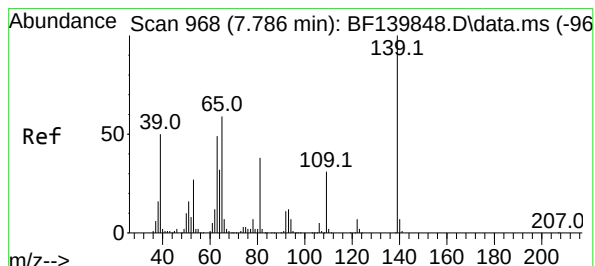
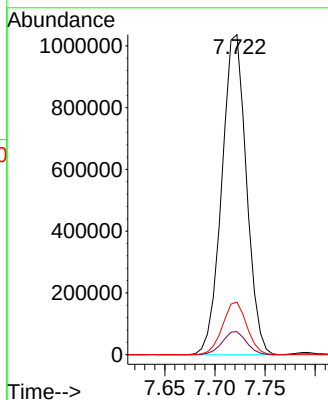
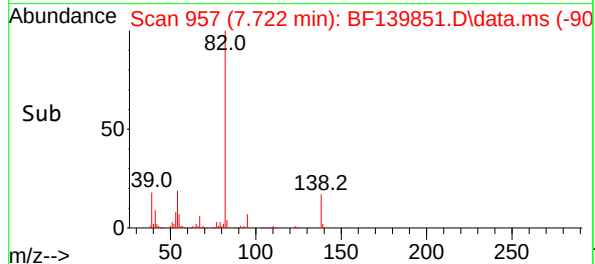
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion: 82 Resp: 1767234
Ion Ratio Lower Upper
82 100
95 7.2 5.5 8.3
138 16.5 13.2 19.8

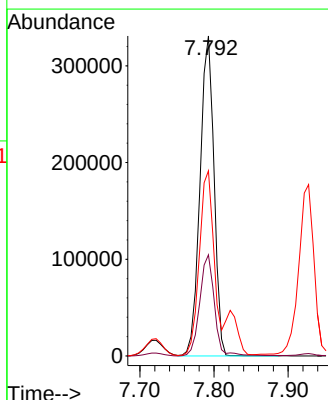
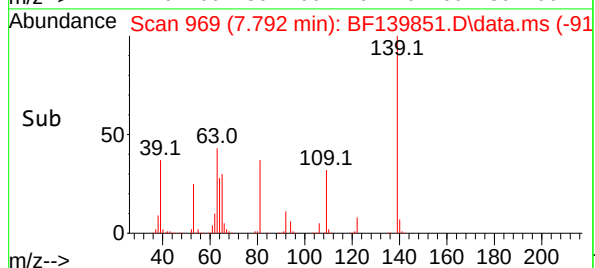
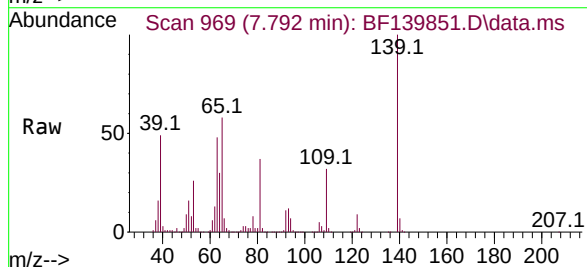
Manual Integrations
APPROVED

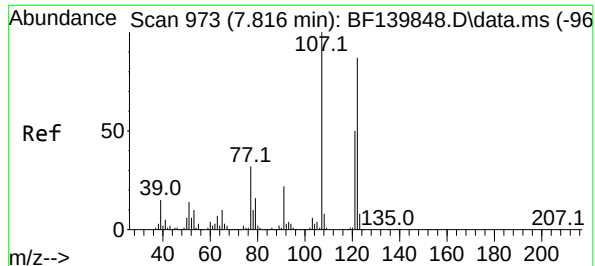
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#26
2-Nitrophenol
Concen: 84.029 ng
RT: 7.792 min Scan# 969
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion:139 Resp: 434755
Ion Ratio Lower Upper
139 100
109 31.6 25.1 37.7
65 57.8 47.5 71.3





#27

2,4-Dimethylphenol

Concen: 71.765 ng

RT: 7.822 min Scan# 91

Delta R.T. 0.006 min

Lab File: BF139851.D

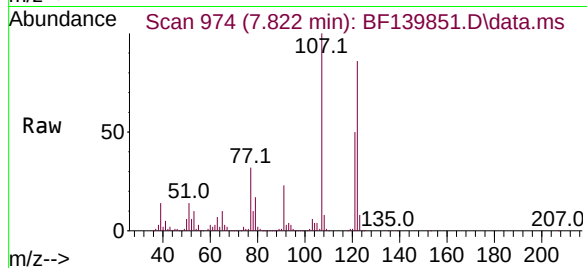
Acq: 18 Oct 2024 13:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC080



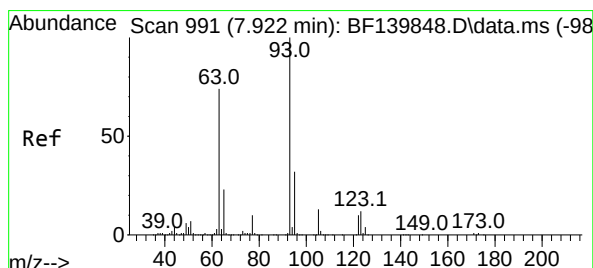
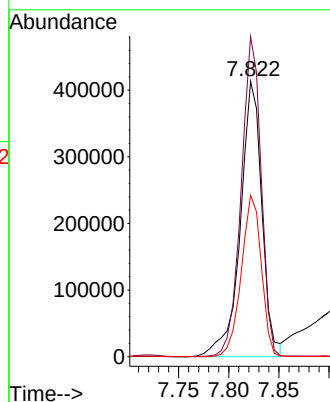
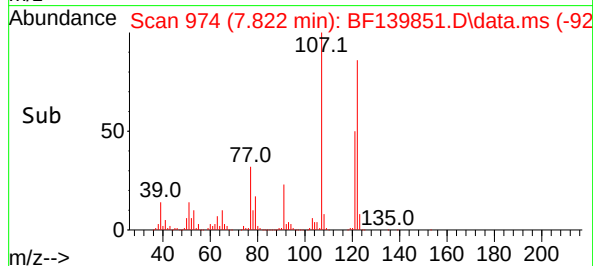
Tgt Ion:	122	Resp:	619130
Ion	Ratio	Lower	Upper
122	100		
107	116.2	91.9	137.9
121	58.6	46.2	69.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#28

bis(2-Chloroethoxy)methane

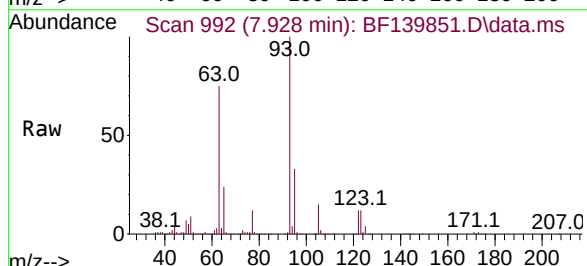
Concen: 71.081 ng

RT: 7.928 min Scan# 992

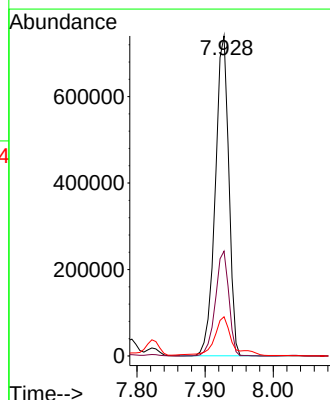
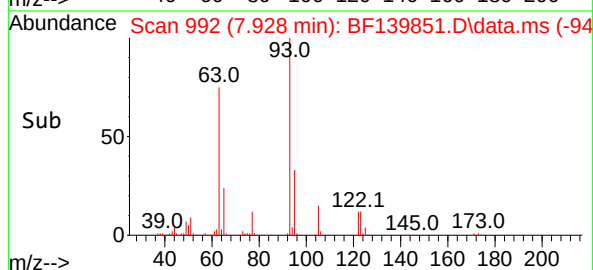
Delta R.T. 0.006 min

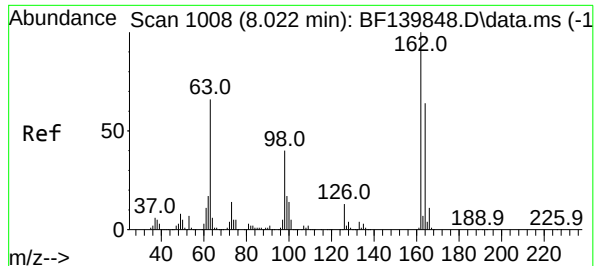
Lab File: BF139851.D

Acq: 18 Oct 2024 13:46



Tgt Ion:	93	Resp:	1022457
Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.0	39.0
123	12.2	9.8	14.8





#29

2,4-Dichlorophenol

Concen: 72.445 ng

RT: 8.028 min Scan# 1008

Delta R.T. 0.006 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:162 Resp: 71189

Ion Ratio Lower Upper

162 100

164 64.5 43.9 83.9

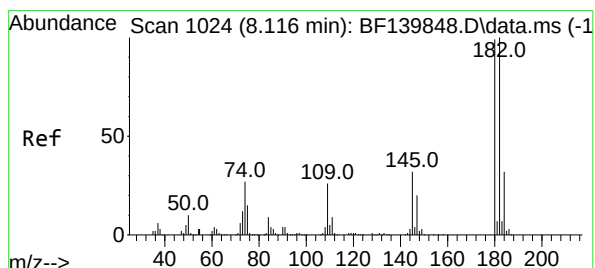
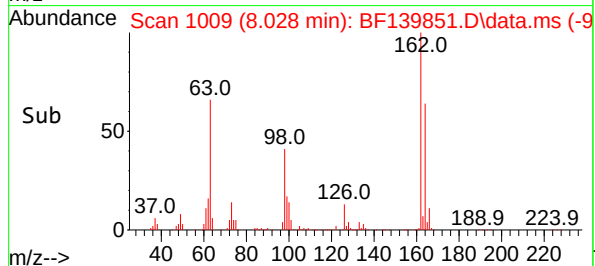
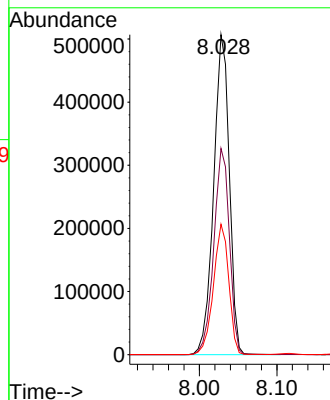
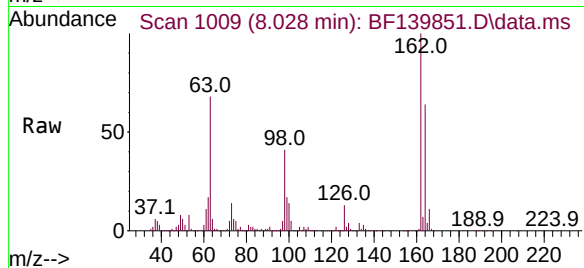
98 40.8 19.9 59.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#30

1,2,4-Trichlorobenzene

Concen: 71.194 ng

RT: 8.116 min Scan# 1024

Delta R.T. 0.000 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46

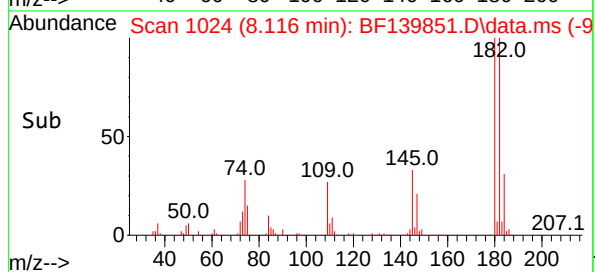
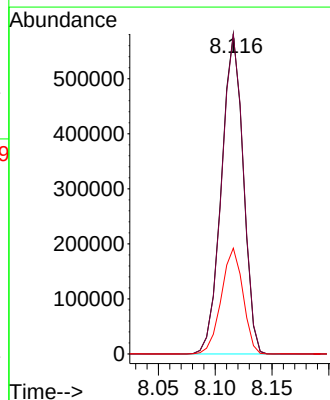
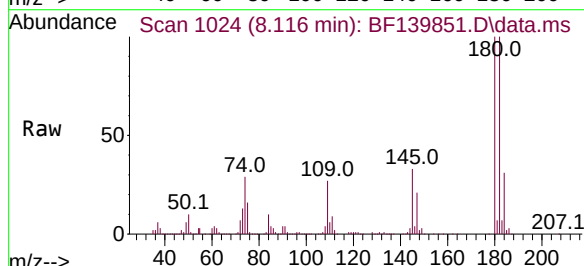
Tgt Ion:180 Resp: 774108

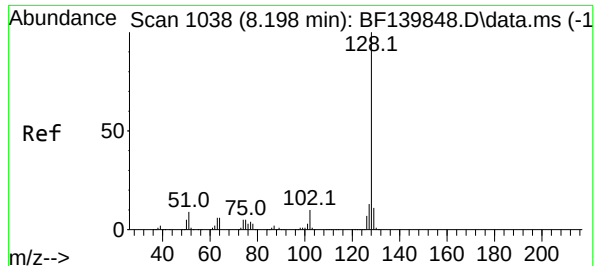
Ion Ratio Lower Upper

180 100

182 99.8 80.5 120.7

145 33.0 25.4 38.0





#31

Naphthalene

Concen: 67.894 ng

RT: 8.198 min Scan# 1038

Delta R.T. 0.000 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:128 Resp: 2427578

Ion Ratio Lower Upper

128 100

129 11.7 8.9 13.3

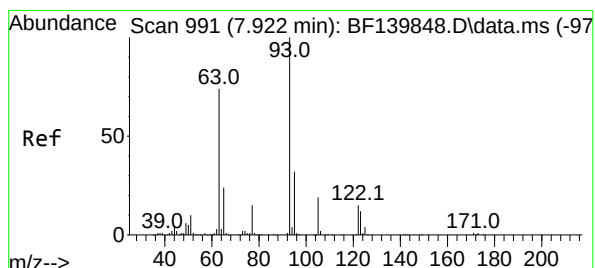
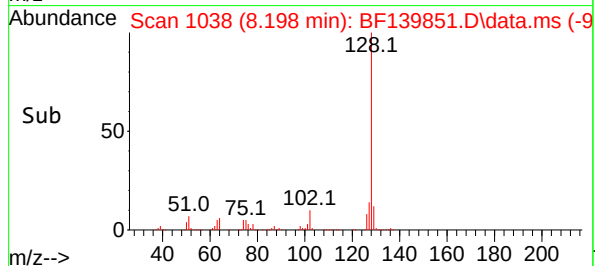
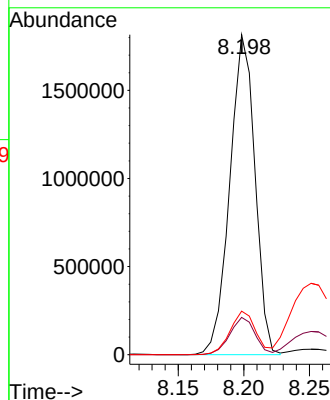
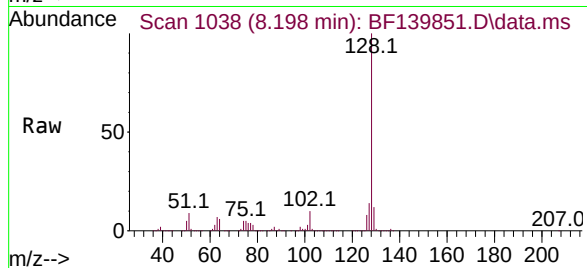
127 13.6 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#32

Benzoic acid

Concen: 86.634 ng

RT: 7.963 min Scan# 998

Delta R.T. 0.041 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46

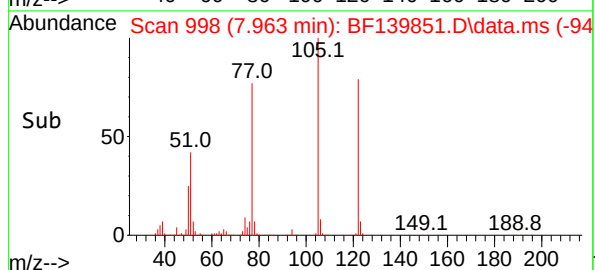
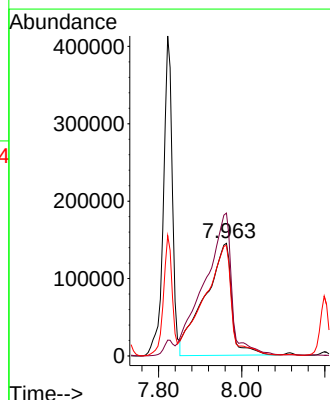
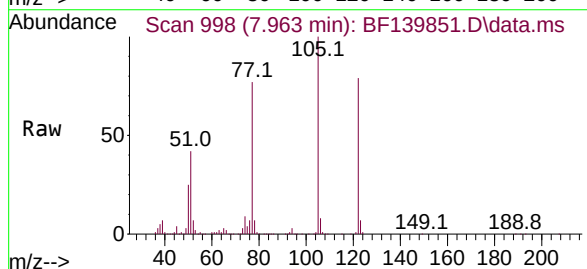
Tgt Ion:122 Resp: 651887

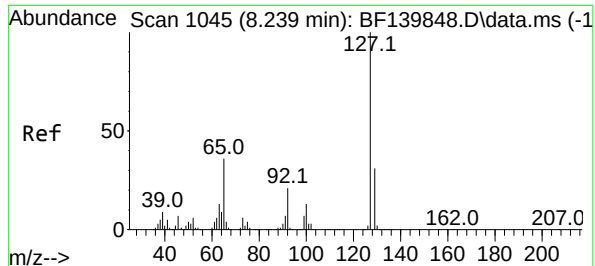
Ion Ratio Lower Upper

122 100

105 126.8 107.6 147.6

77 98.1 80.2 120.2





#33
4-Chloroaniline
Concen: 69.684 ng
RT: 8.251 min Scan# 1047
Delta R.T. 0.012 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Instrument :

BNA_F

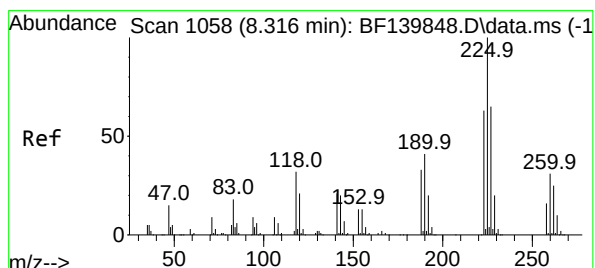
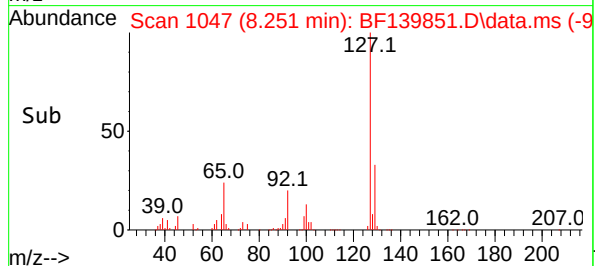
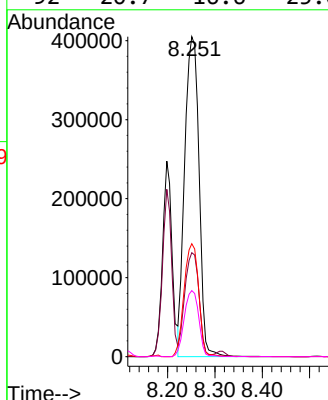
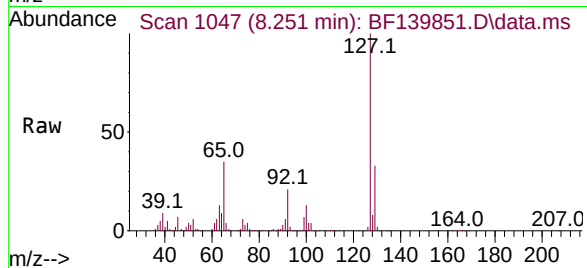
ClientSampleId :

SSTDICC080

Tgt Ion	Ratio	Lower	Upper
127	100		
129	32.5	25.4	38.2
65	35.3	28.4	42.6
92	20.7	16.6	25.0

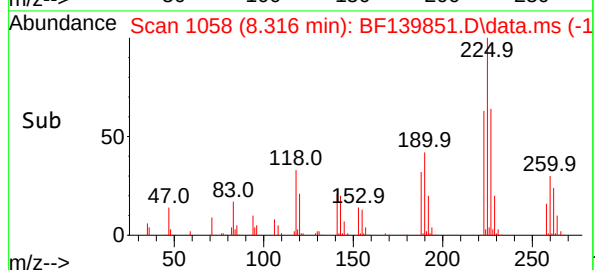
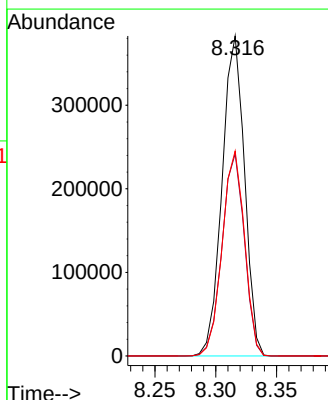
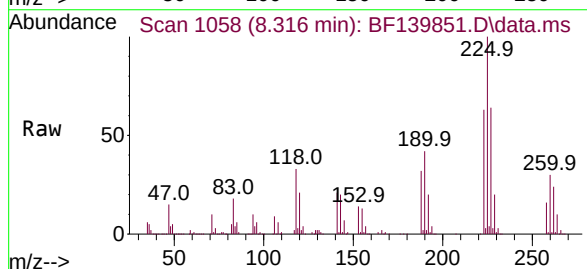
Manual Integrations
APPROVED

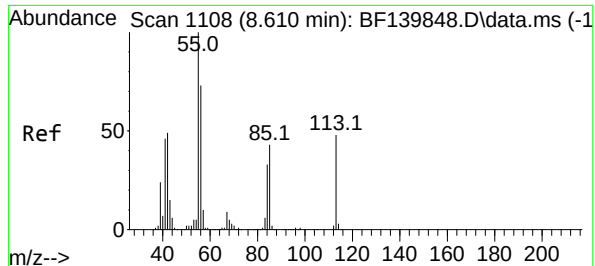
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#34
Hexachlorobutadiene
Concen: 71.753 ng
RT: 8.316 min Scan# 1058
Delta R.T. 0.000 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	50.6	76.0
227	64.0	51.8	77.8





#35

Caprolactam

Concen: 76.550 ng

RT: 8.634 min Scan# 1108

Delta R.T. 0.024 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46

Instrument :

BNA_F

ClientSampleId :

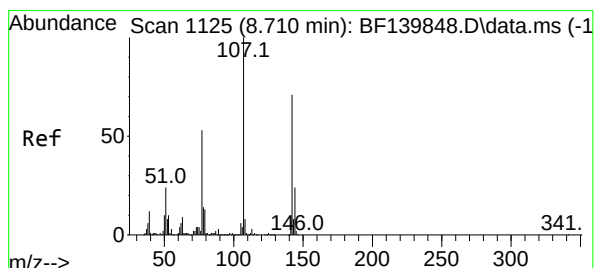
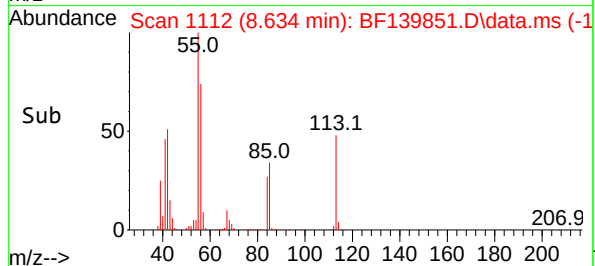
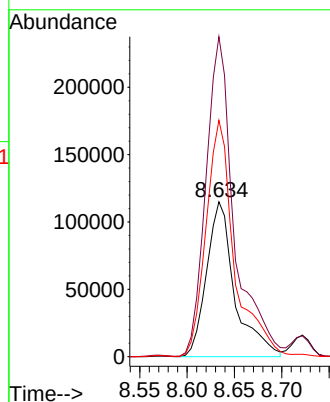
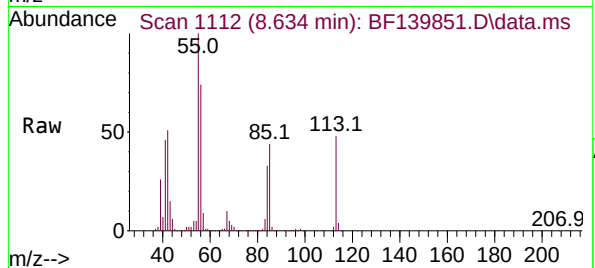
SSTDICC080

Tgt Ion:113 Resp: 239184
Ion Ratio Lower Upper
113 100
55 206.7 189.2 229.2
56 152.7 132.5 172.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#36

4-Chloro-3-methylphenol

Concen: 73.031 ng

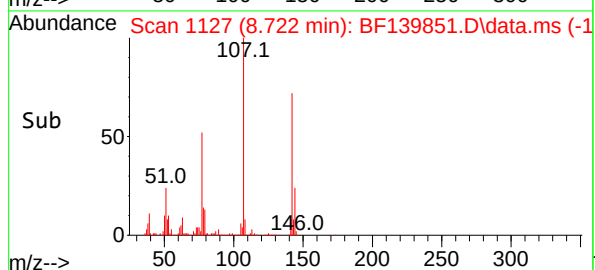
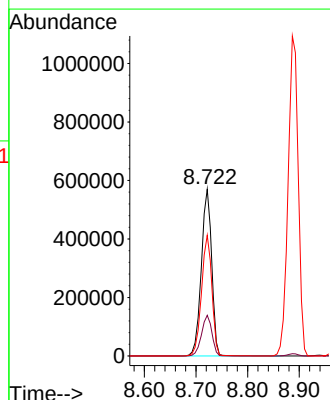
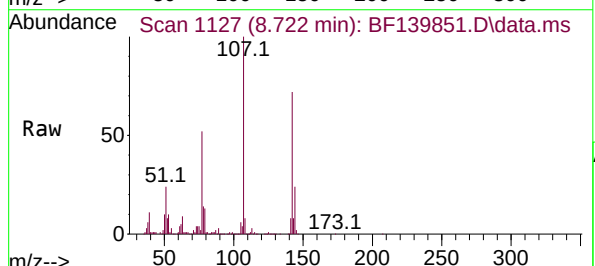
RT: 8.722 min Scan# 1127

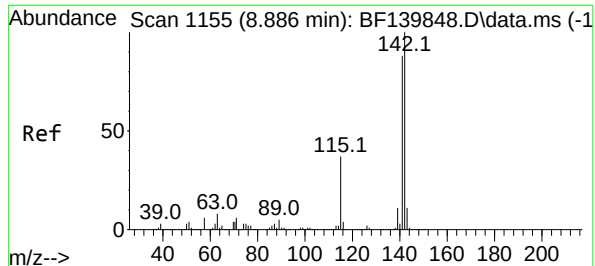
Delta R.T. 0.012 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46

Tgt Ion:107 Resp: 794640
Ion Ratio Lower Upper
107 100
144 24.4 19.1 28.7
142 72.3 57.2 85.8





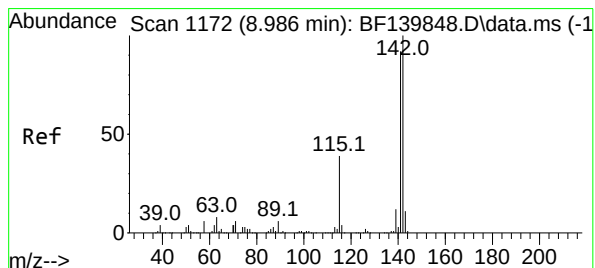
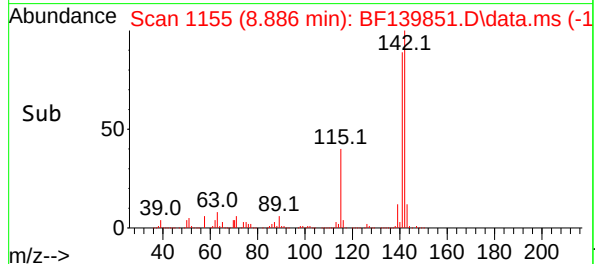
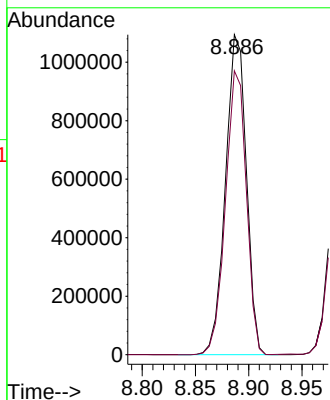
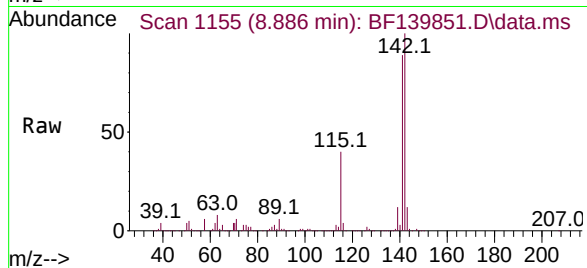
#37
2-Methylnaphthalene
Concen: 67.944 ng
RT: 8.886 min Scan# 1155
Delta R.T. 0.000 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:142 Resp: 148784
Ion Ratio Lower Upper
142 100
141 88.7 70.8 106.2

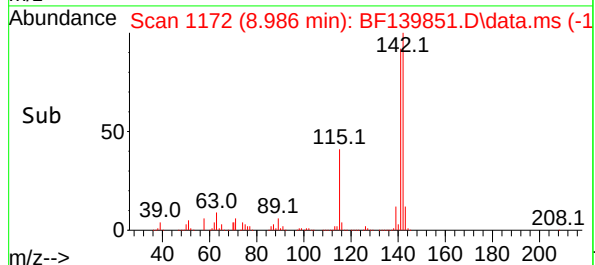
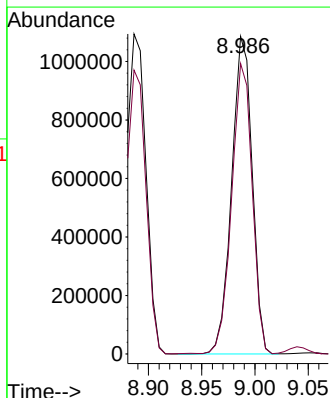
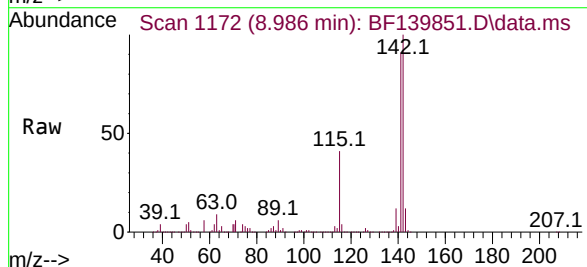
Manual Integrations
APPROVED

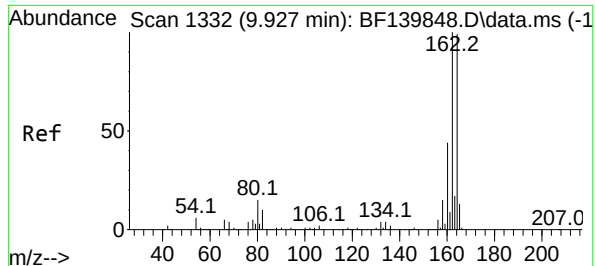
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#38
1-Methylnaphthalene
Concen: 67.858 ng
RT: 8.986 min Scan# 1172
Delta R.T. 0.000 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

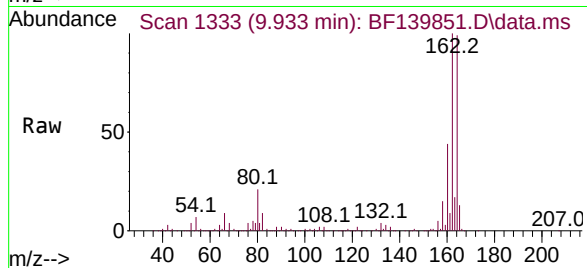
Tgt Ion:142 Resp: 1457890
Ion Ratio Lower Upper
142 100
141 91.4 73.5 110.3





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1183
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

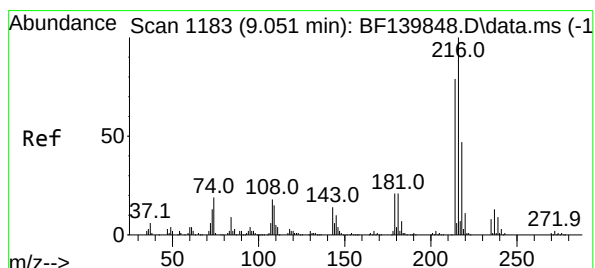
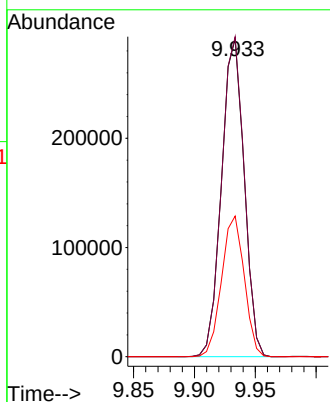
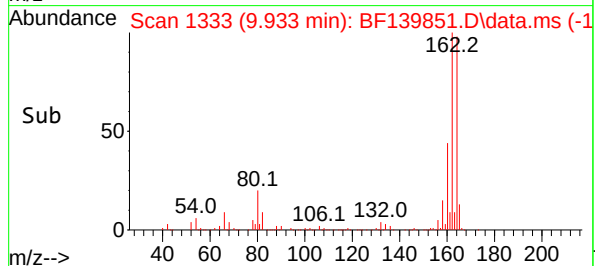
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:164 Resp: 37772
Ion Ratio Lower Upper
164 100
162 100.7 81.0 121.4
160 44.3 35.4 53.0

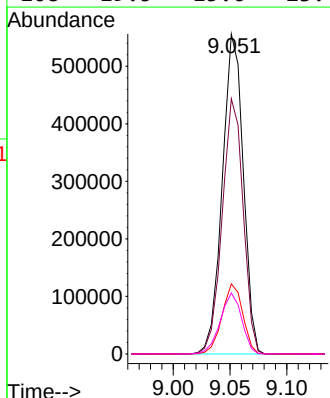
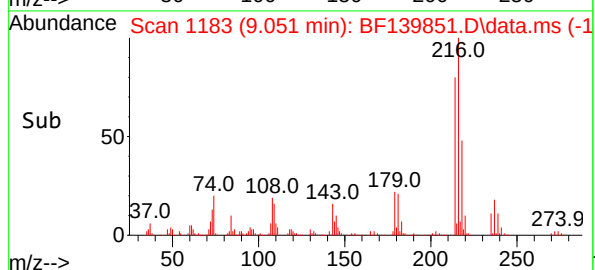
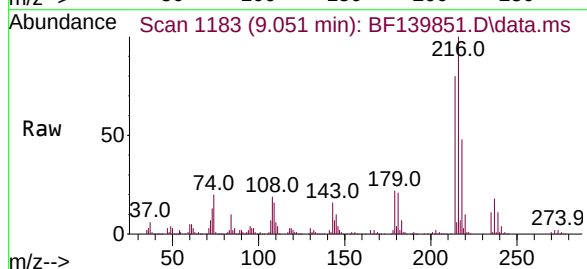
Manual Integrations
APPROVED

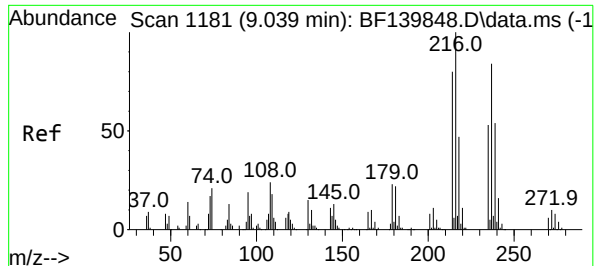
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#40
1,2,4,5-Tetrachlorobenzene
Concen: 69.962 ng
RT: 9.051 min Scan# 1183
Delta R.T. 0.000 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

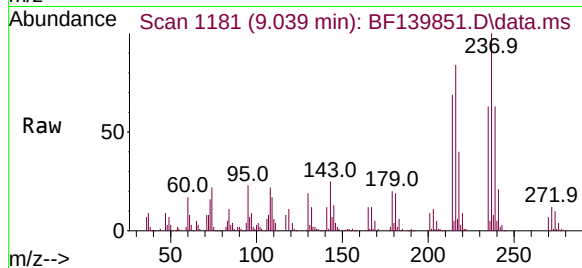
Tgt Ion:216 Resp: 712936
Ion Ratio Lower Upper
216 100
214 79.7 63.4 95.0
179 21.7 17.2 25.8
108 19.5 15.6 23.4





#41
Hexachlorocyclopentadiene
Concen: 72.201 ng
RT: 9.039 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

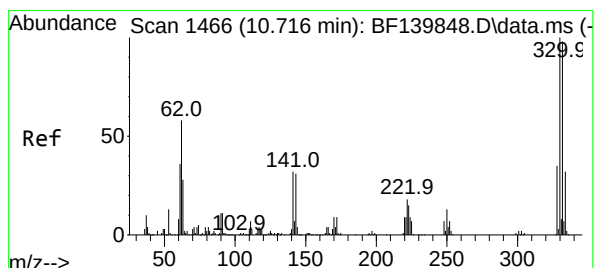
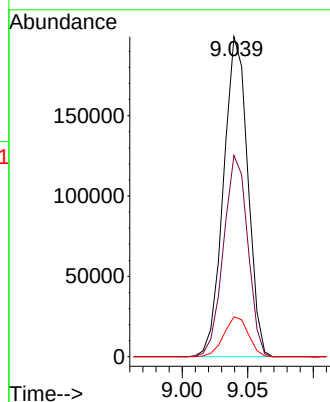
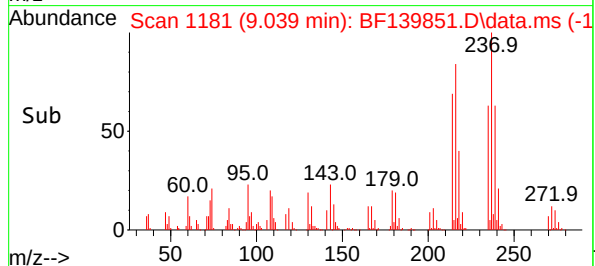
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:237 Resp: 25600
Ion Ratio Lower Upper
237 100
235 62.9 42.9 82.9
272 12.5 0.0 32.3

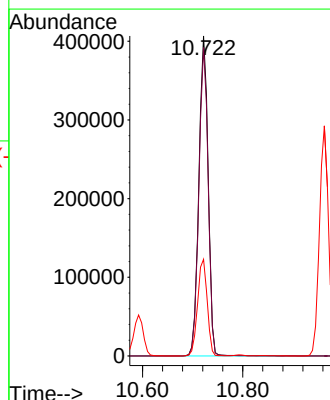
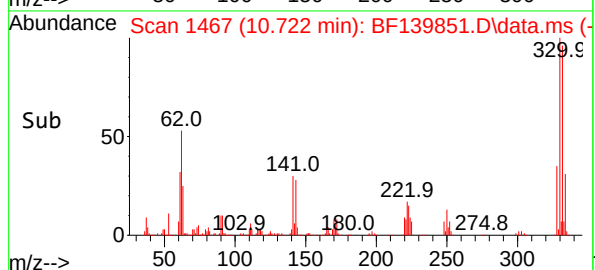
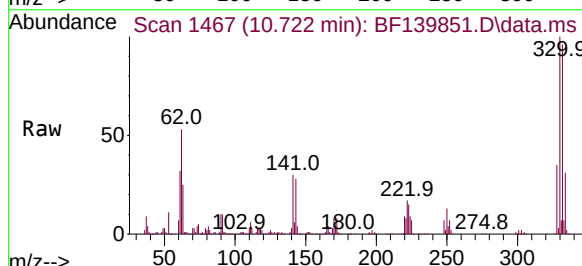
Manual Integrations
APPROVED

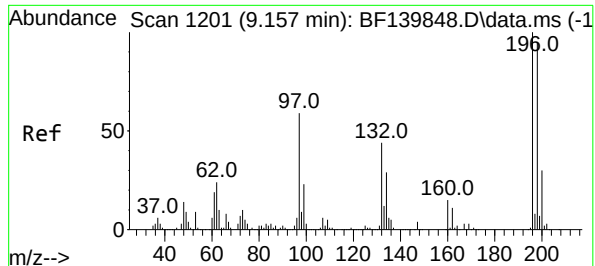
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#42
2,4,6-Tribromophenol
Concen: 147.845 ng
RT: 10.722 min Scan# 1467
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion:330 Resp: 522350
Ion Ratio Lower Upper
330 100
332 96.0 78.1 117.1
141 31.2 26.6 39.8





#43

2,4,6-Trichlorophenol

Concen: 74.228 ng

RT: 9.163 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF139851.D

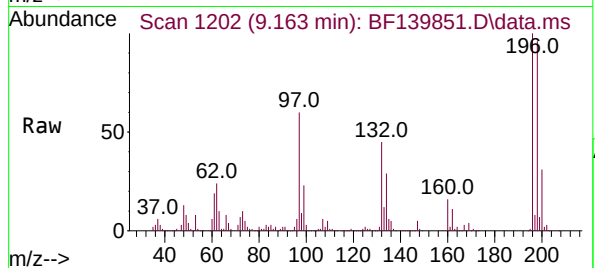
Acq: 18 Oct 2024 13:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC080



Tgt Ion:196 Resp: 53553

Ion Ratio Lower Upper

196 100

198 96.0 76.2 114.2

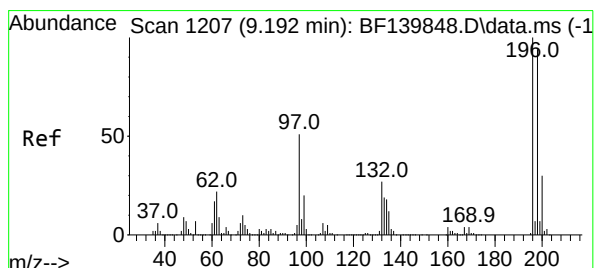
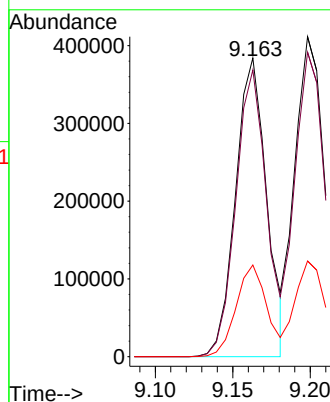
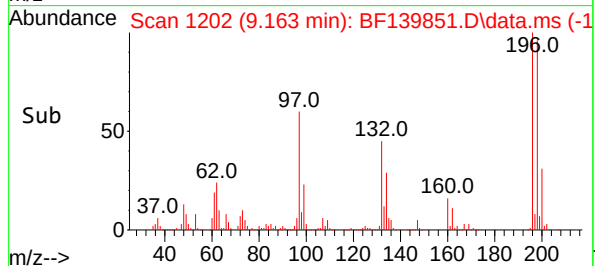
200 30.7 24.0 36.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#44

2,4,5-Trichlorophenol

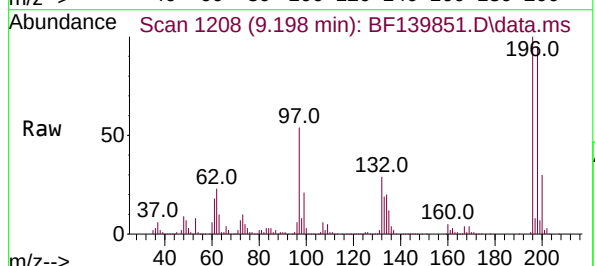
Concen: 72.904 ng

RT: 9.198 min Scan# 1208

Delta R.T. 0.006 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46



Tgt Ion:196 Resp: 542663

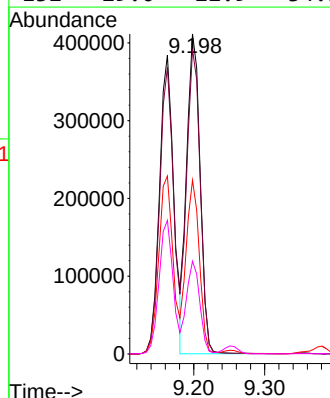
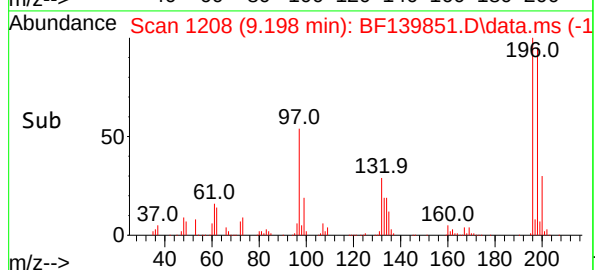
Ion Ratio Lower Upper

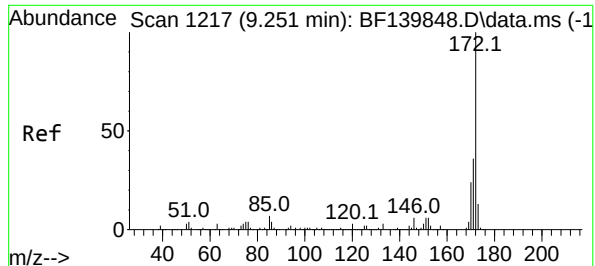
196 100

198 95.2 75.8 113.6

97 54.3 41.8 62.6

132 29.0 22.9 34.3





#45

2-Fluorobiphenyl

Concen: 128.689 ng

RT: 9.251 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF139851.D

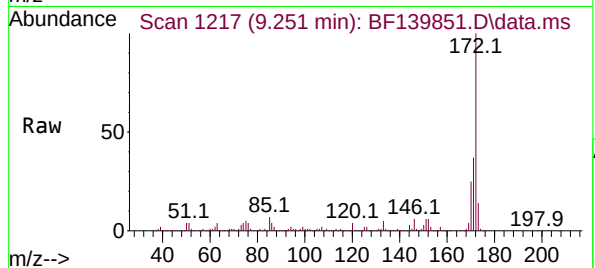
Acq: 18 Oct 2024 13:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC080



Tgt Ion:172 Resp: 294118

Ion Ratio Lower Upper

172 100

171 36.6 28.6 43.0

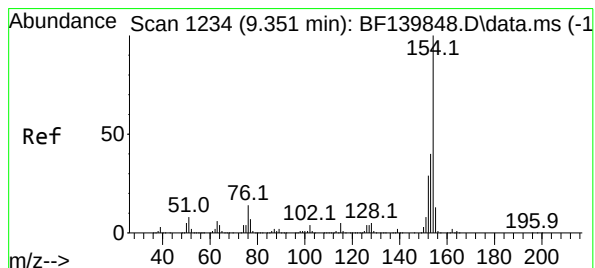
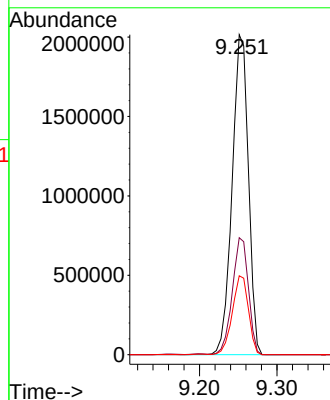
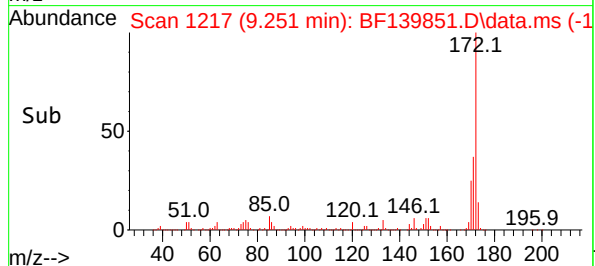
170 24.7 19.1 28.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#46

1,1'-Biphenyl

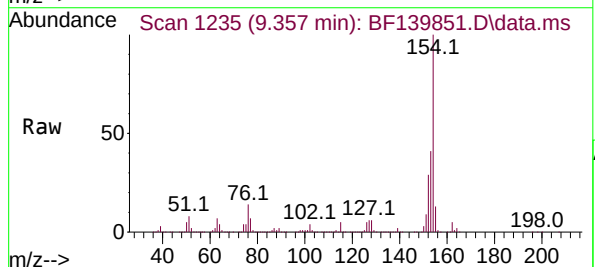
Concen: 66.703 ng

RT: 9.357 min Scan# 1235

Delta R.T. 0.006 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46



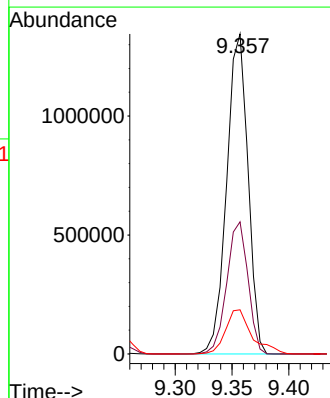
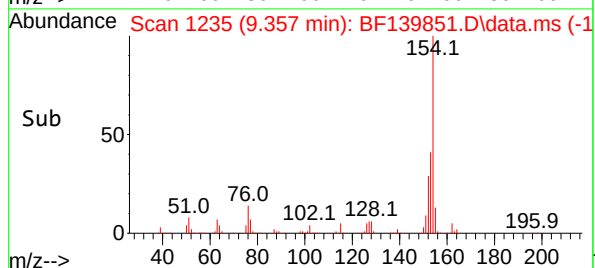
Tgt Ion:154 Resp: 1753952

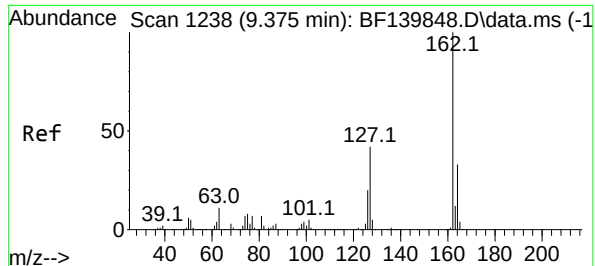
Ion Ratio Lower Upper

154 100

153 41.3 20.3 60.3

76 13.8 0.0 33.9





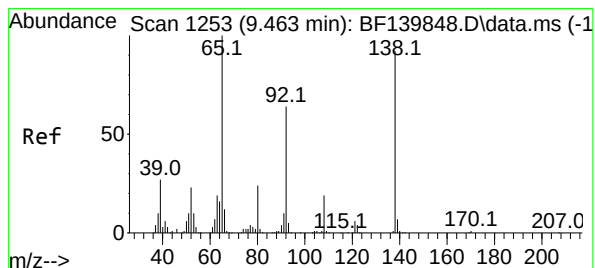
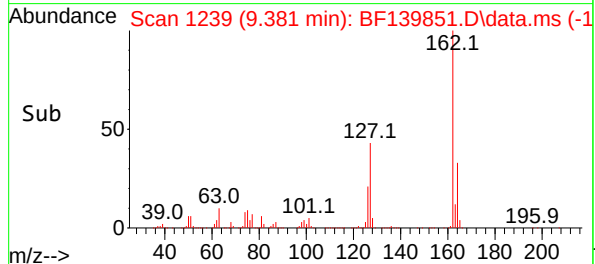
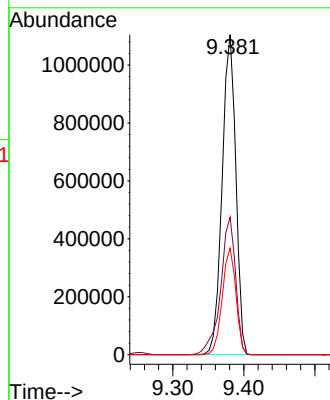
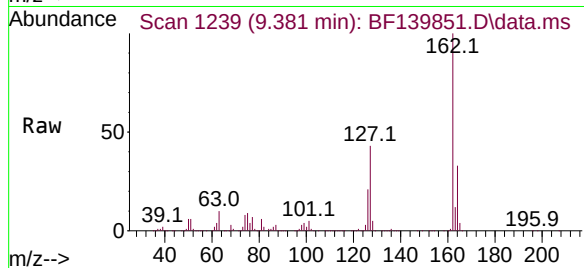
#47
2-Chloronaphthalene
Concen: 69.411 ng
RT: 9.381 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:162 Resp: 147001
Ion Ratio Lower Upper
162 100
127 43.0 33.8 50.6
164 33.3 26.6 39.8

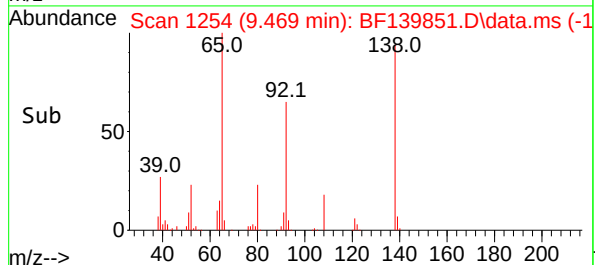
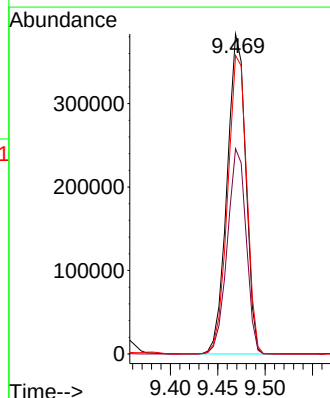
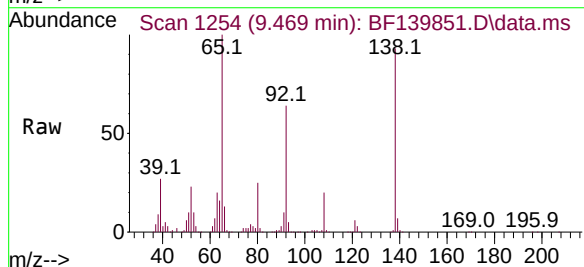
Manual Integrations
APPROVED

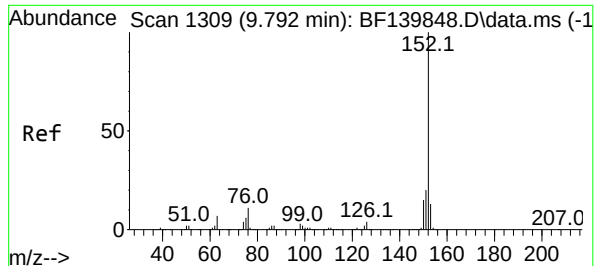
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#48
2-Nitroaniline
Concen: 81.447 ng
RT: 9.469 min Scan# 1254
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion: 65 Resp: 527552
Ion Ratio Lower Upper
65 100
92 64.1 50.9 76.3
138 93.3 73.4 110.0





#49

Acenaphthylene

Concen: 68.796 ng

RT: 9.792 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF139851.D

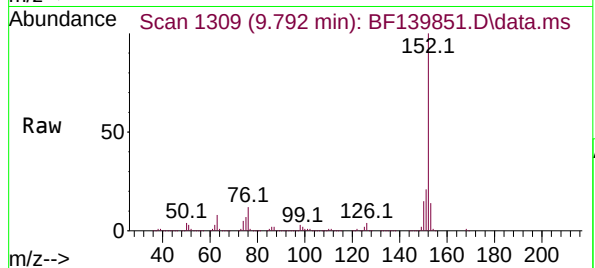
Acq: 18 Oct 2024 13:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC080



Tgt Ion:152 Resp: 210635

Ion Ratio Lower Upper

152 100

151 20.5 15.9 23.9

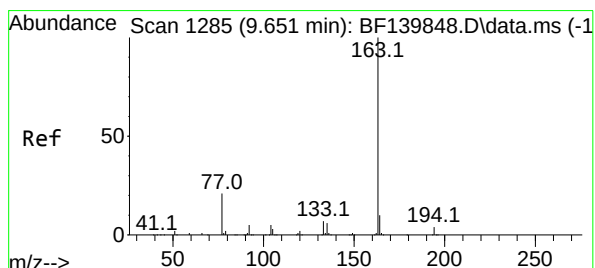
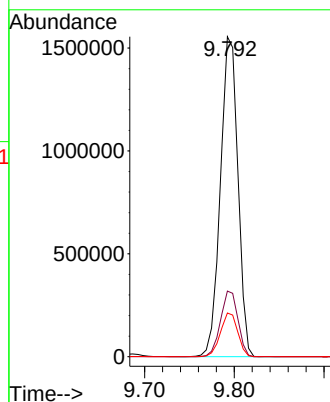
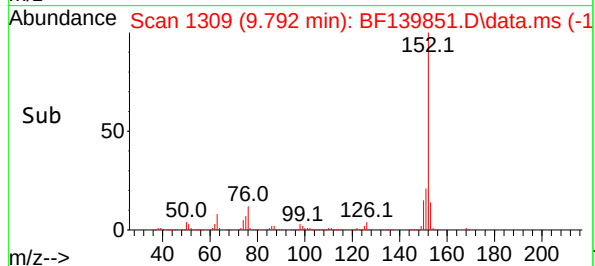
153 13.7 10.7 16.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#50

Dimethylphthalate

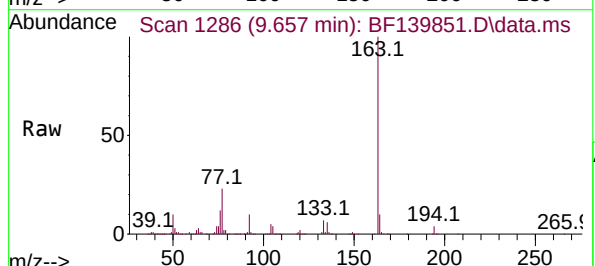
Concen: 71.277 ng

RT: 9.657 min Scan# 1286

Delta R.T. 0.006 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46



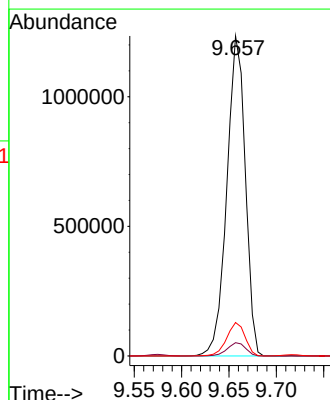
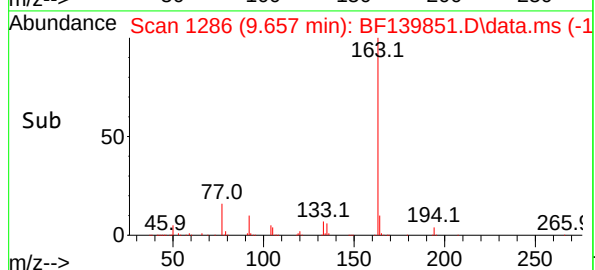
Tgt Ion:163 Resp: 1676969

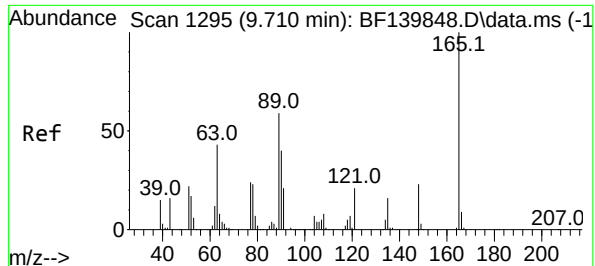
Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.0

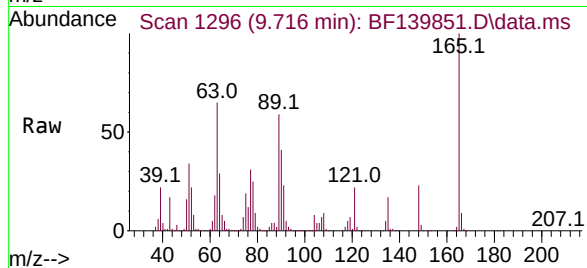
164 10.5 8.2 12.2





#51
2,6-Dinitrotoluene
Concen: 77.193 ng
RT: 9.716 min Scan# 1295
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

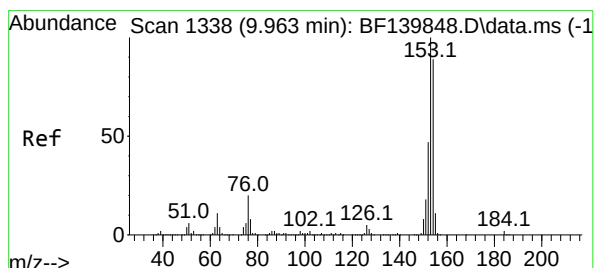
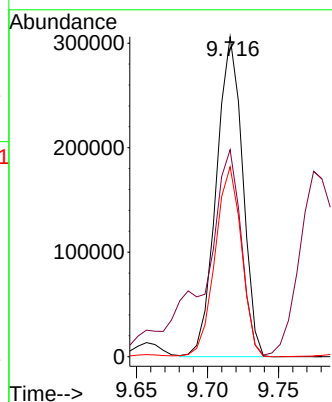
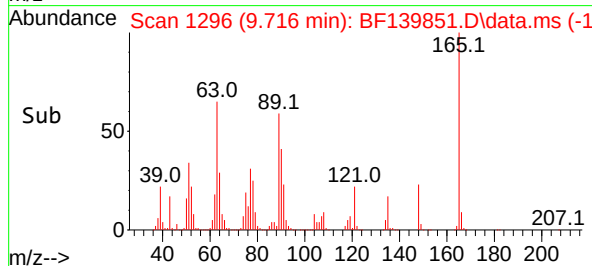
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:165 Resp: 393234
Ion Ratio Lower Upper
165 100
63 64.7 50.6 75.8
89 59.4 47.5 71.3

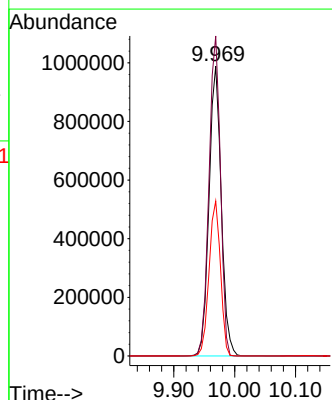
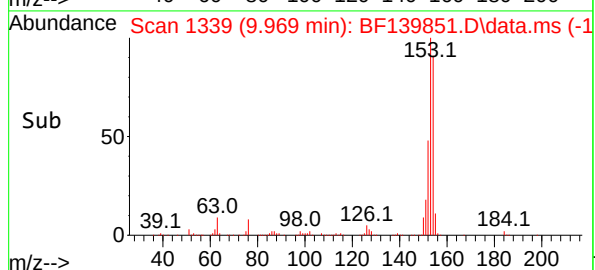
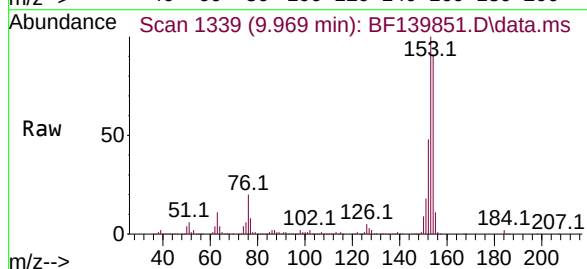
Manual Integrations
APPROVED

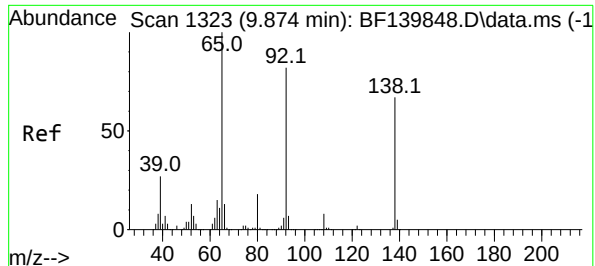
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#52
Acenaphthene
Concen: 69.610 ng
RT: 9.969 min Scan# 1339
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

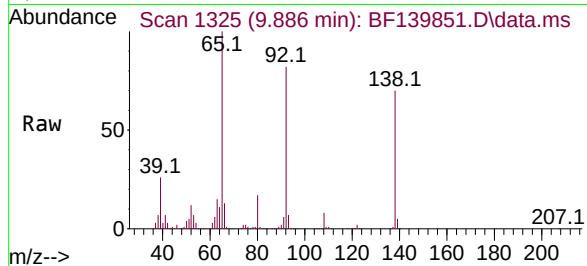
Tgt Ion:154 Resp: 1378724
Ion Ratio Lower Upper
154 100
153 110.4 89.8 134.6
152 53.4 42.4 63.6





#53
3-Nitroaniline
Concen: 73.697 ng
RT: 9.886 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

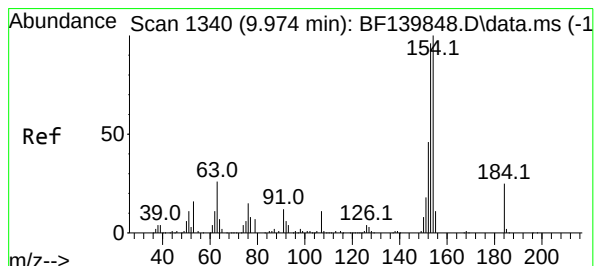
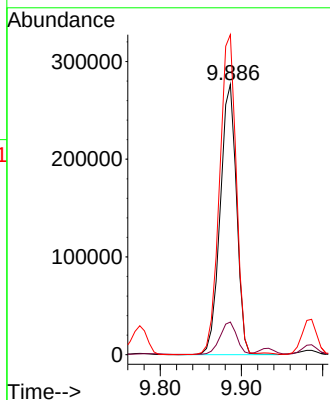
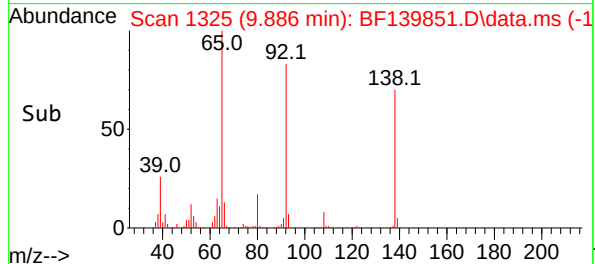
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:138 Resp: 38715
Ion Ratio Lower Upper
138 100
108 12.1 10.2 15.2
92 118.4 98.3 147.5

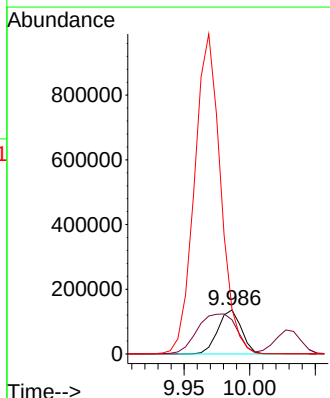
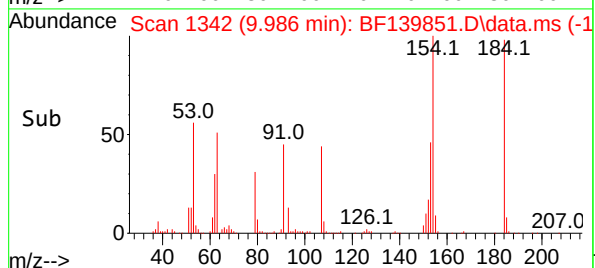
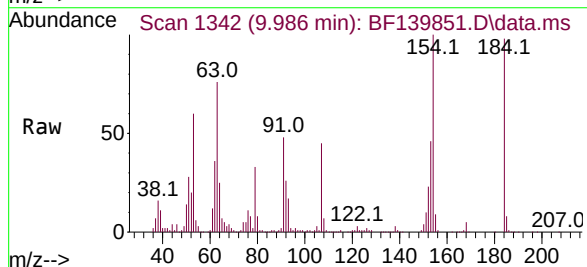
Manual Integrations
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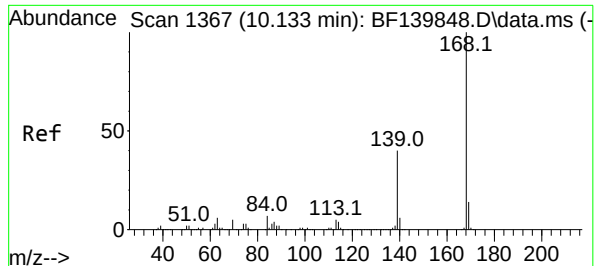
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#54
2,4-Dinitrophenol
Concen: 79.932 ng
RT: 9.986 min Scan# 1342
Delta R.T. 0.012 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

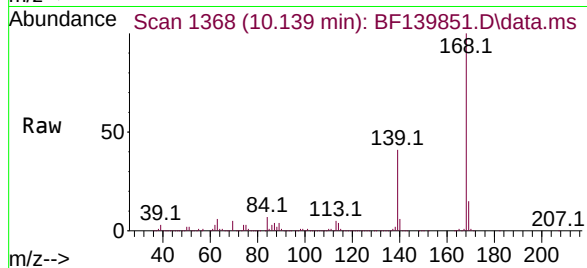
Tgt Ion:184 Resp: 169167
Ion Ratio Lower Upper
184 100
63 77.7 84.7 127.1#
154 102.0 338.2 507.2#





#55
Dibenzenofuran
Concen: 67.930 ng
RT: 10.139 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

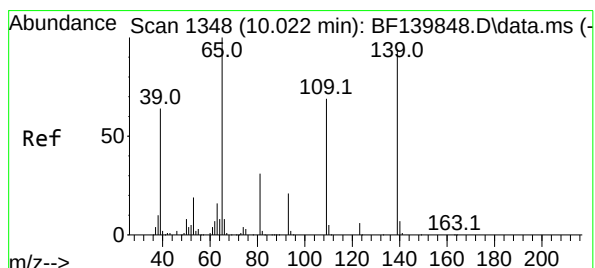
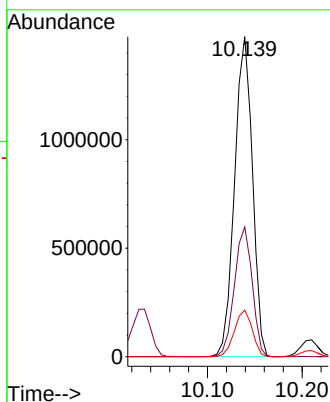
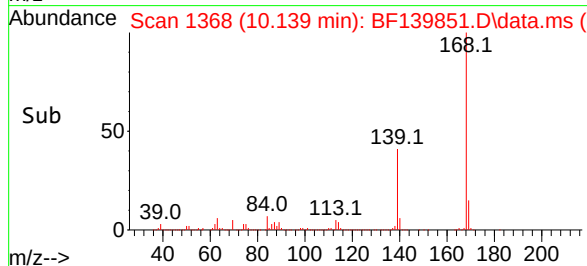
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:168 Resp: 193040
Ion Ratio Lower Upper
168 100
139 40.6 31.8 47.6
169 14.6 11.6 17.4

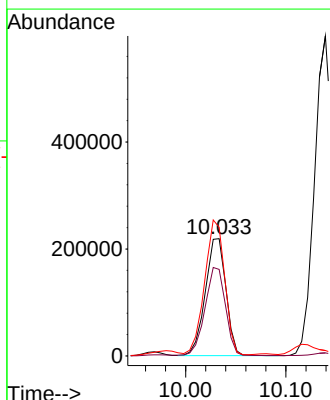
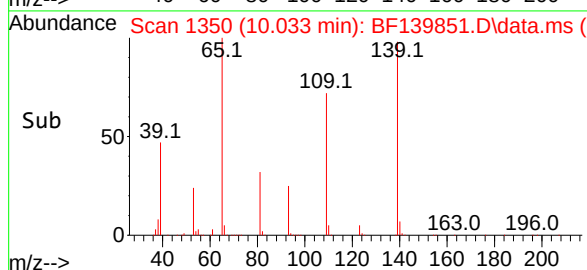
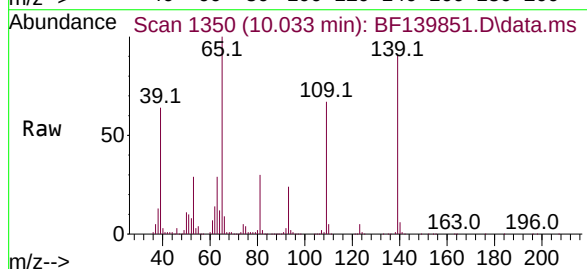
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APPROVED

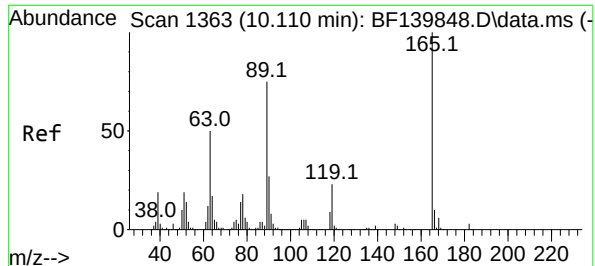
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#56
4-Nitrophenol
Concen: 77.732 ng
RT: 10.033 min Scan# 1350
Delta R.T. 0.012 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

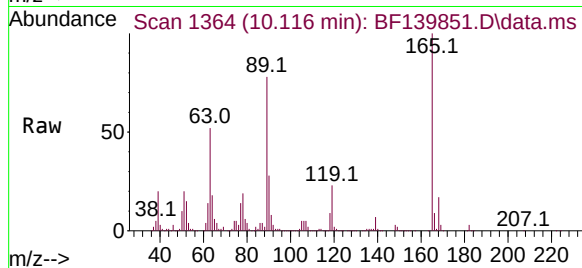
Tgt Ion:139 Resp: 314170
Ion Ratio Lower Upper
139 100
109 73.7 53.6 93.6
65 109.6 87.8 127.8





#57
2,4-Dinitrotoluene
Concen: 81.523 ng
RT: 10.116 min Scan# 1364
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

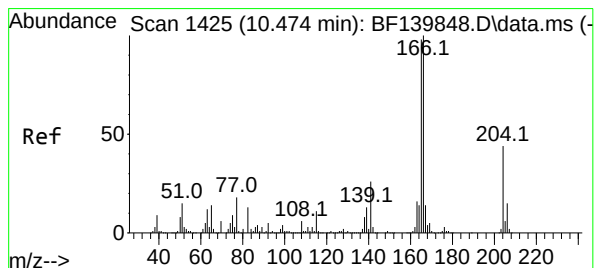
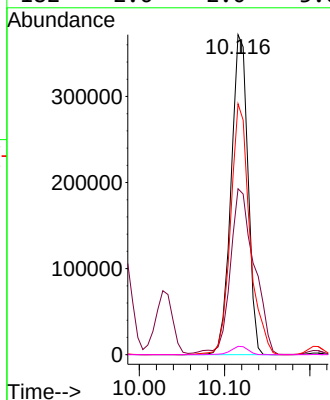
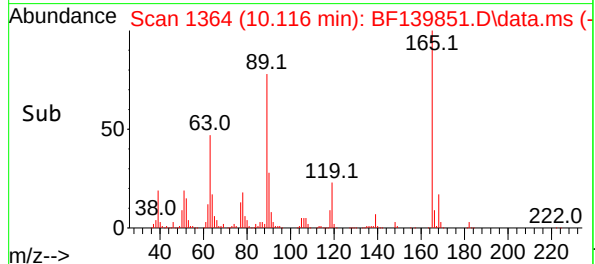
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:165 Resp: 51070
Ion Ratio Lower Upper
165 100
63 51.9 40.1 60.1
89 78.4 60.4 90.6
182 2.6 2.0 3.0

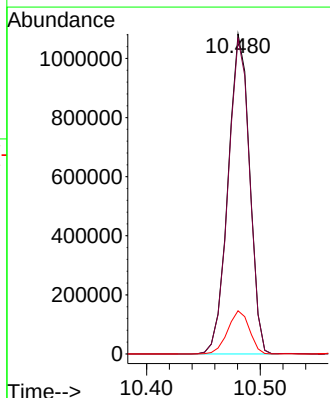
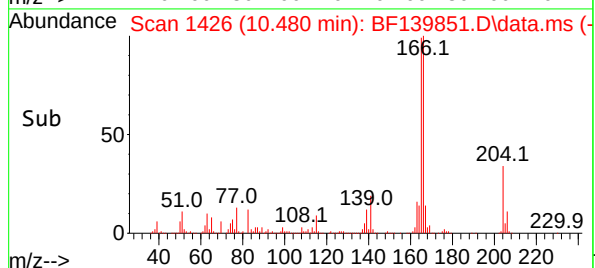
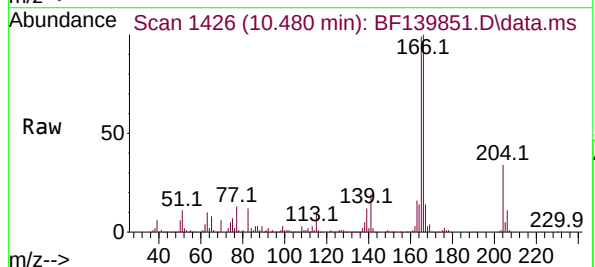
Manual Integrations
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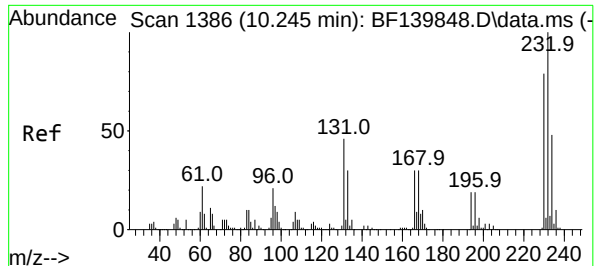
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#58
Fluorene
Concen: 65.920 ng
RT: 10.480 min Scan# 1426
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

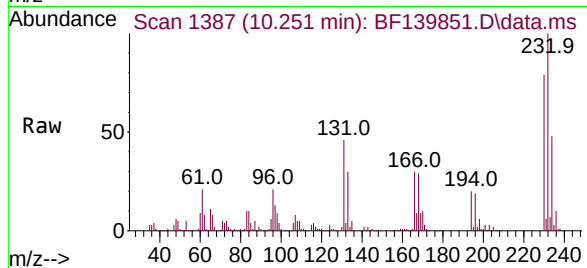
Tgt Ion:166 Resp: 1426794
Ion Ratio Lower Upper
166 100
165 98.6 78.5 117.7
167 13.5 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 72.764 ng
RT: 10.251 min Scan# 1387
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

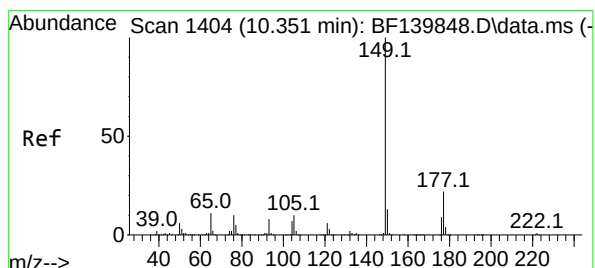
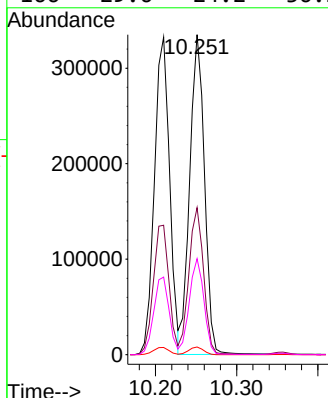
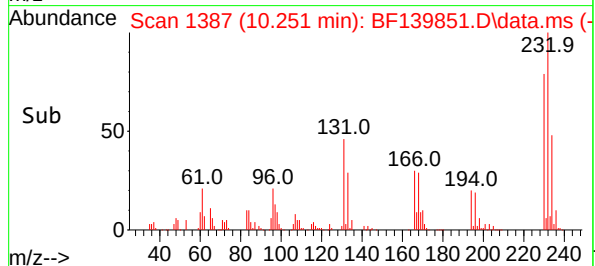
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



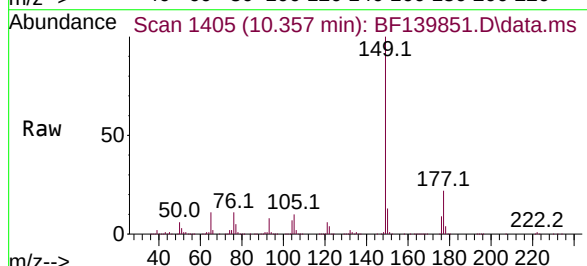
Tgt Ion:232 Resp: 424598
Ion Ratio Lower Upper
232 100
131 45.6 37.0 55.6
130 2.4 1.9 2.9
166 29.6 24.2 36.2

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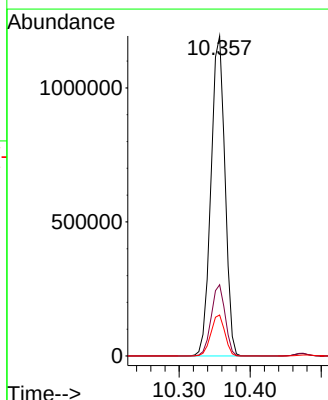
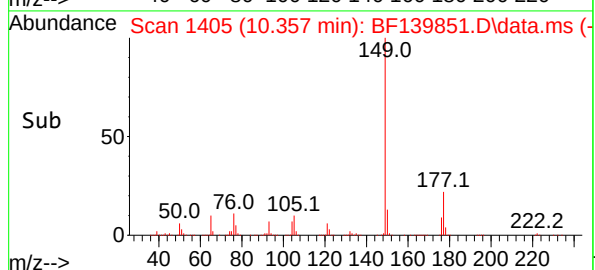
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

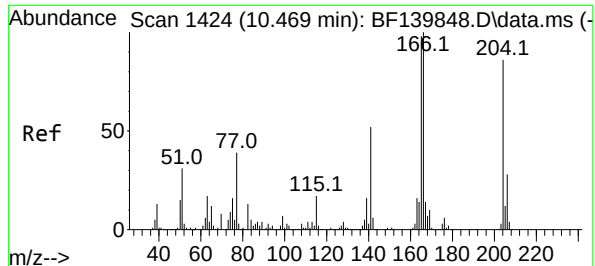


#60
Diethylphthalate
Concen: 70.641 ng
RT: 10.357 min Scan# 1405
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46



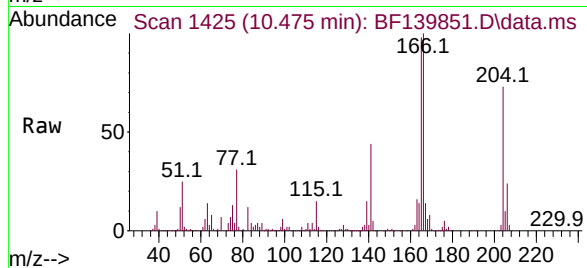
Tgt Ion:149 Resp: 1631842
Ion Ratio Lower Upper
149 100
177 22.2 17.9 26.9
150 12.8 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 66.837 ng
RT: 10.475 min Scan# 1425
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

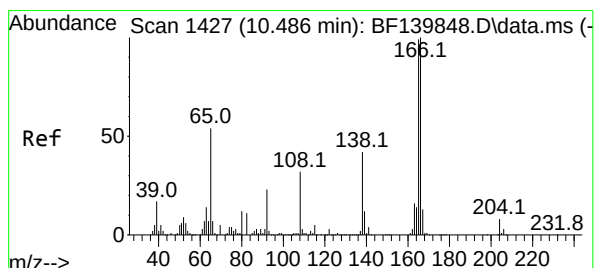
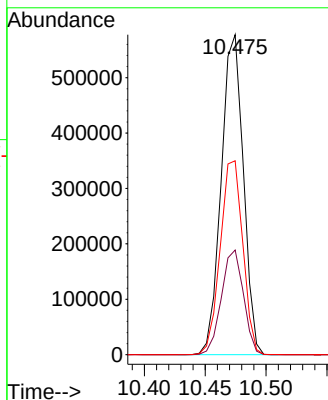
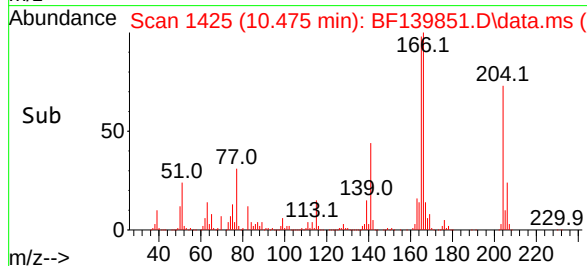
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



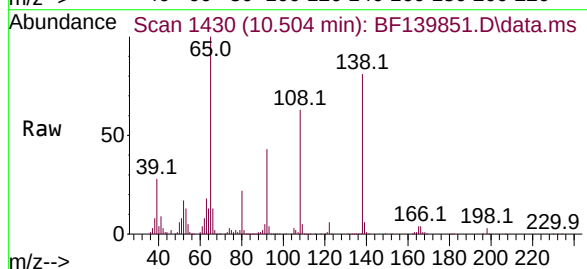
Tgt Ion:204 Resp: 73056
Ion Ratio Lower Upper
204 100
206 32.7 26.3 39.5
141 60.6 48.6 73.0

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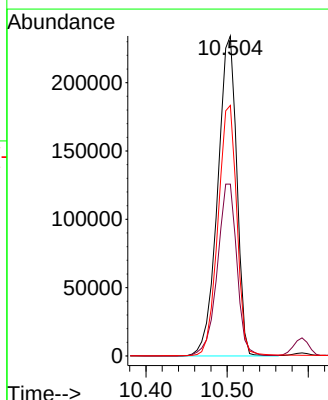
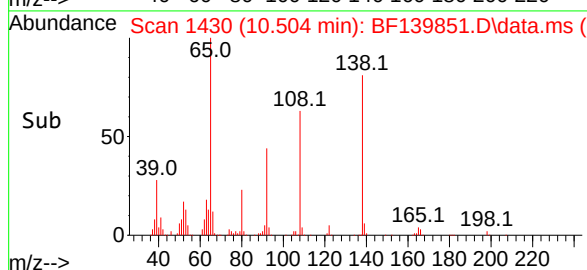
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

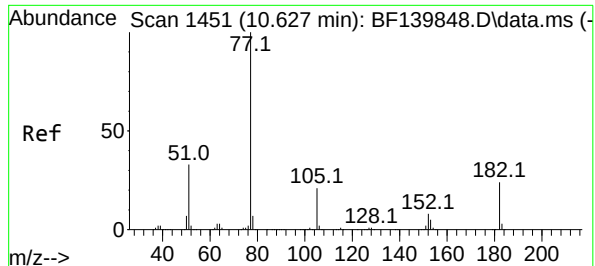


#62
4-Nitroaniline
Concen: 77.270 ng
RT: 10.504 min Scan# 1430
Delta R.T. 0.018 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46



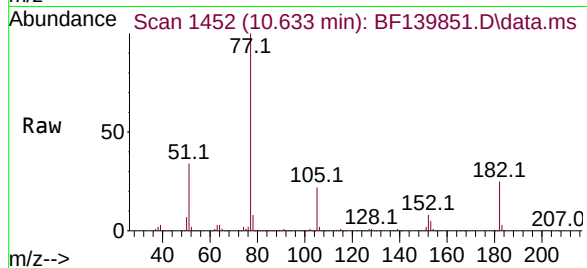
Tgt Ion:138 Resp: 383383
Ion Ratio Lower Upper
138 100
92 53.7 35.7 75.7
108 78.3 57.5 97.5





#63
Azobenzene
Concen: 70.539 ng
RT: 10.633 min Scan# 1451
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

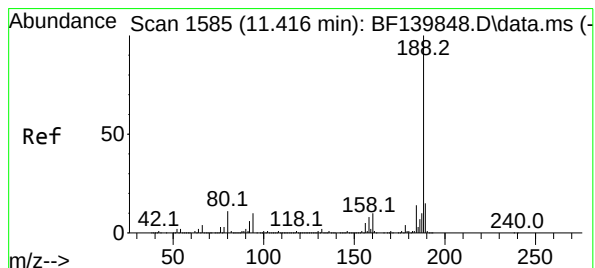
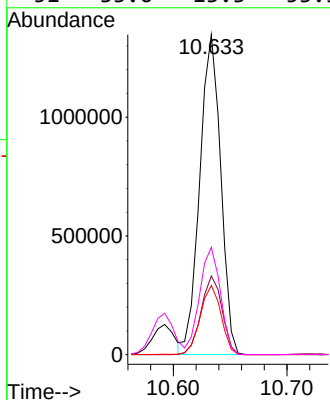
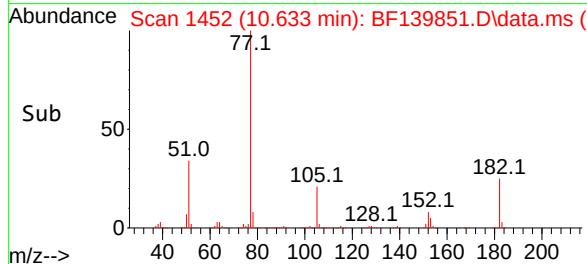
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion: 77 Resp: 172753
Ion Ratio Lower Upper
77 100
182 24.6 3.3 43.3
105 21.6 1.2 41.2
51 33.6 13.3 53.3

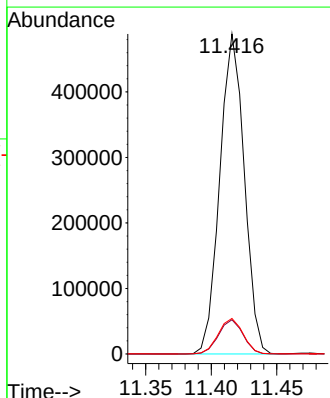
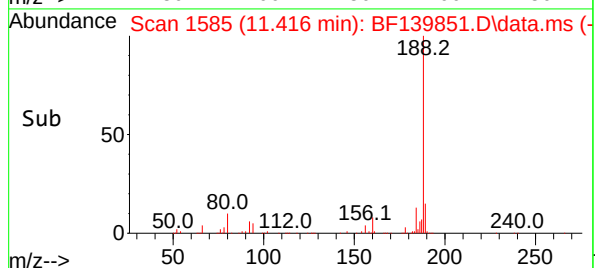
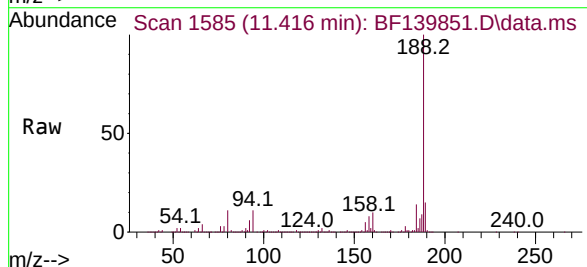
Manual Integrations
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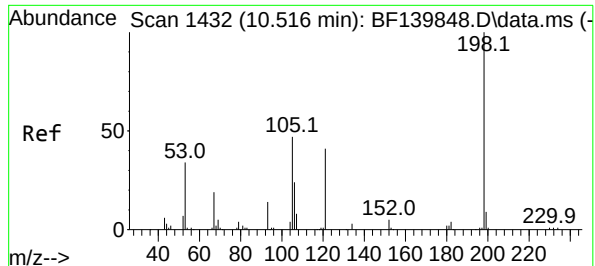
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion:188 Resp: 633721
Ion Ratio Lower Upper
188 100
94 10.7 7.9 11.9
80 11.1 9.0 13.4





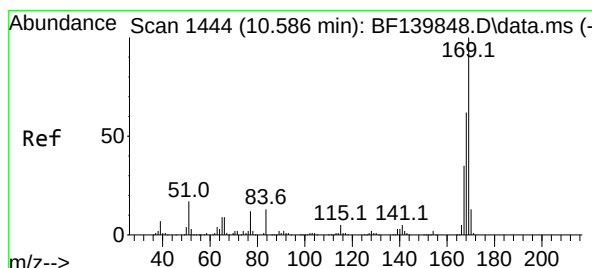
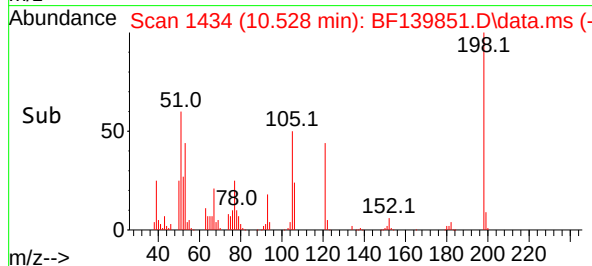
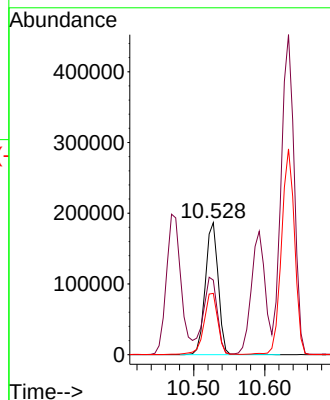
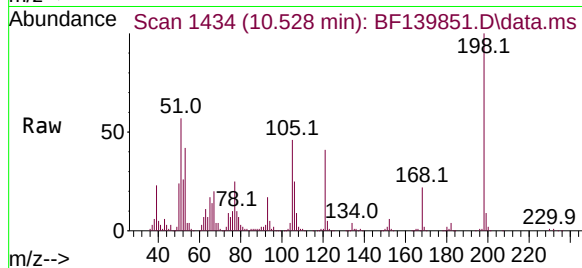
#65
4,6-Dinitro-2-methylphenol
Concen: 91.037 ng
RT: 10.528 min Scan# 1432
Delta R.T. 0.012 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:198 Resp: 23532
Ion Ratio Lower Upper
198 100
51 56.5 38.2 78.2
105 46.4 27.9 67.9

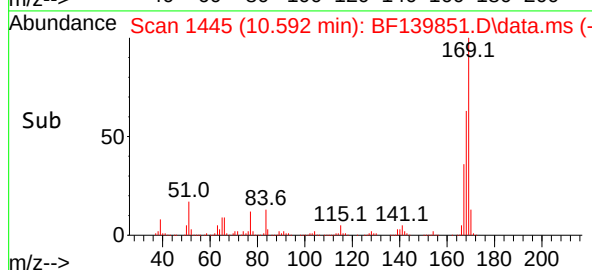
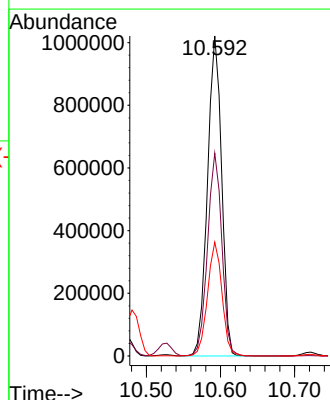
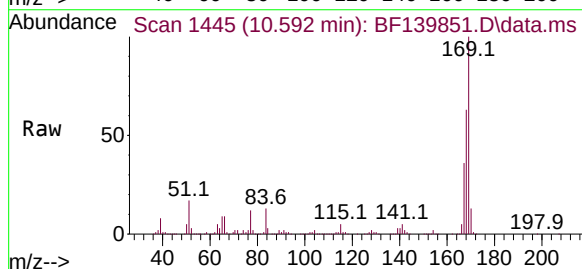
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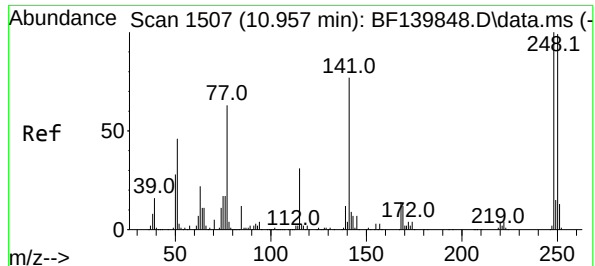
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#66
n-Nitrosodiphenylamine
Concen: 71.220 ng
RT: 10.592 min Scan# 1445
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

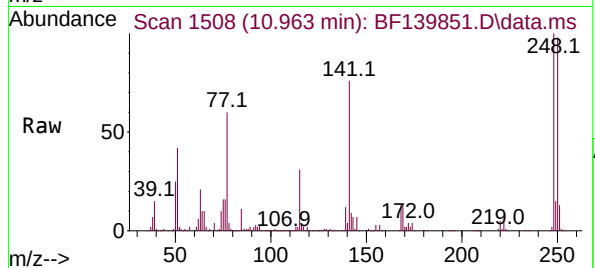
Tgt Ion:169 Resp: 1350839
Ion Ratio Lower Upper
169 100
168 63.4 49.8 74.6
167 35.5 28.0 42.0





#67
4-Bromophenyl-phenylether
Concen: 73.216 ng
RT: 10.963 min Scan# 1508
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

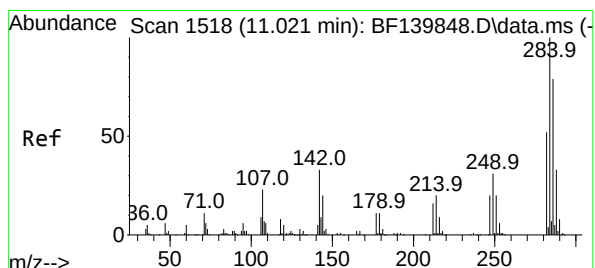
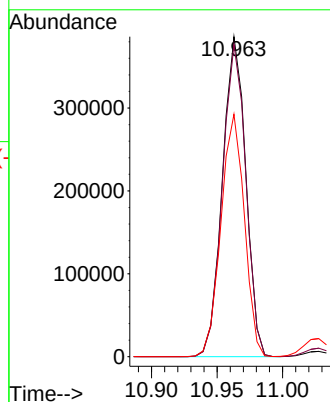
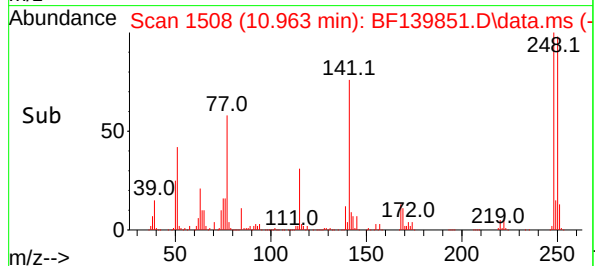
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



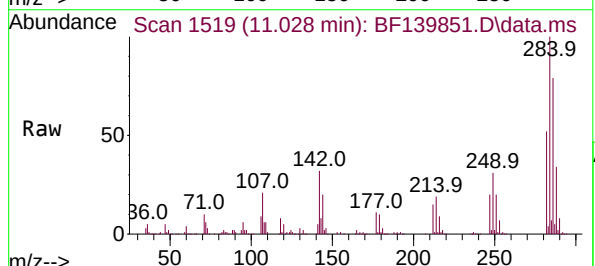
Tgt Ion:248 Resp: 477998
Ion Ratio Lower Upper
248 100
250 97.5 79.0 118.6
141 75.7 61.7 92.5

Manual Integrations
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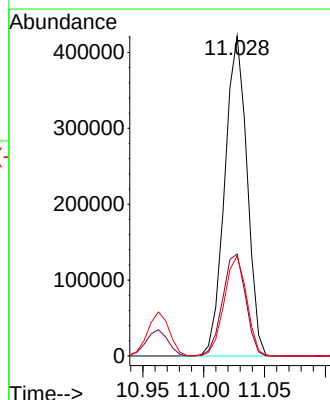
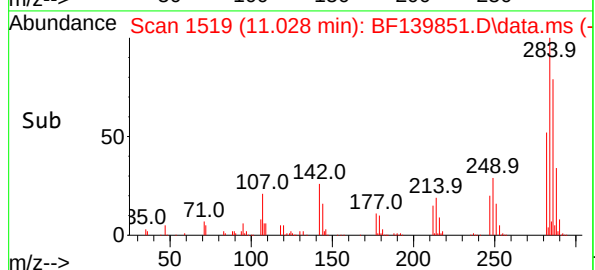
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

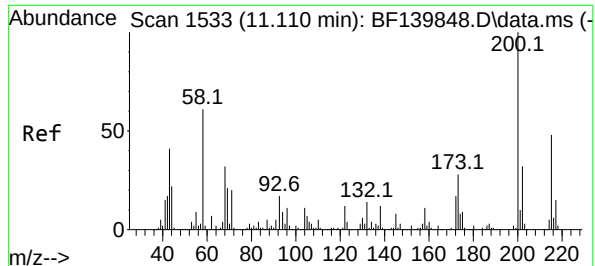


#68
Hexachlorobenzene
Concen: 73.070 ng
RT: 11.028 min Scan# 1519
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46



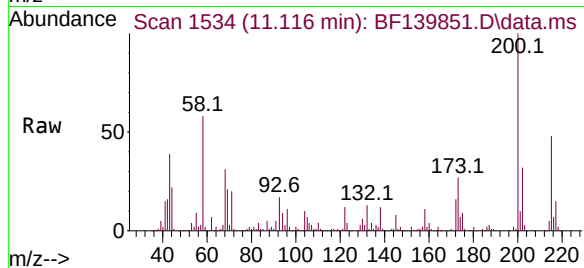
Tgt Ion:284 Resp: 536511
Ion Ratio Lower Upper
284 100
142 31.9 26.9 40.3
249 31.3 25.3 37.9





#69
Atrazine
Concen: 74.406 ng
RT: 11.116 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

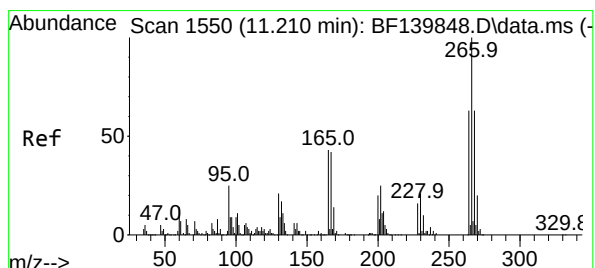
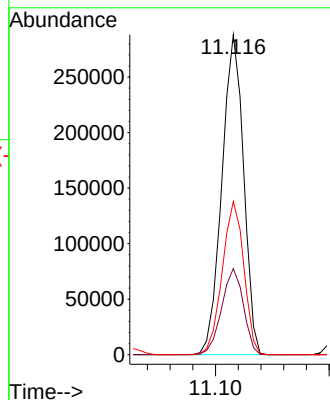
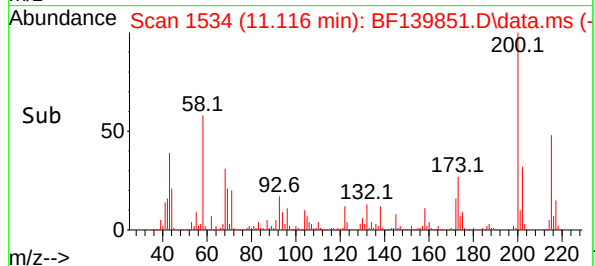
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



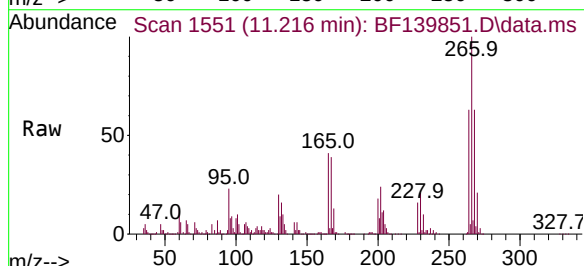
Tgt Ion:200 Resp: 382294
Ion Ratio Lower Upper
200 100
173 26.9 7.7 47.7
215 47.9 27.7 67.7

Manual Integrations
APPROVED

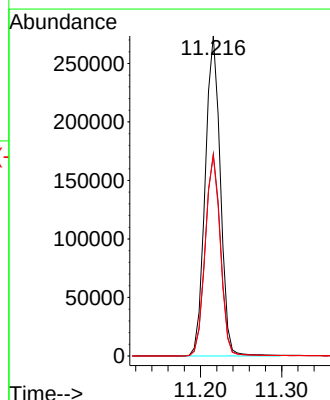
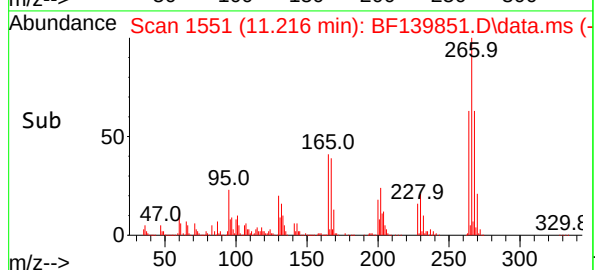
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

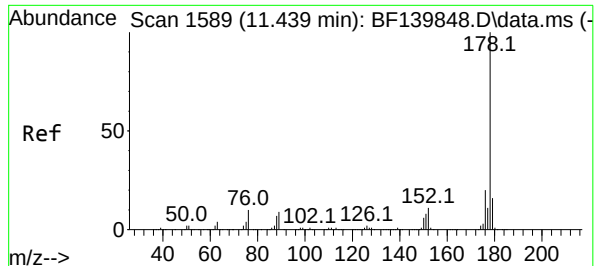


#70
Pentachlorophenol
Concen: 79.464 ng
RT: 11.216 min Scan# 1551
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46



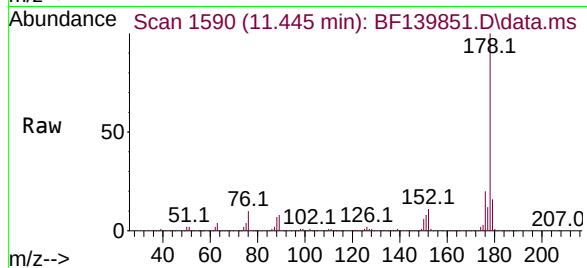
Tgt Ion:266 Resp: 354105
Ion Ratio Lower Upper
266 100
268 63.1 50.4 75.6
264 62.5 50.6 75.8





#71
Phenanthrene
Concen: 68.336 ng
RT: 11.445 min Scan# 1590
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

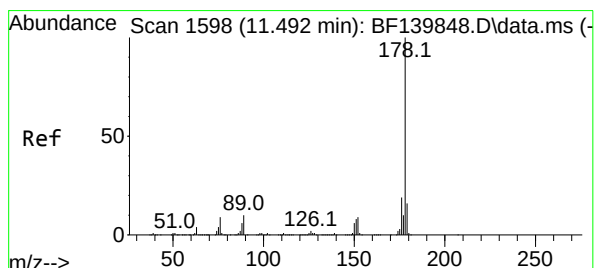
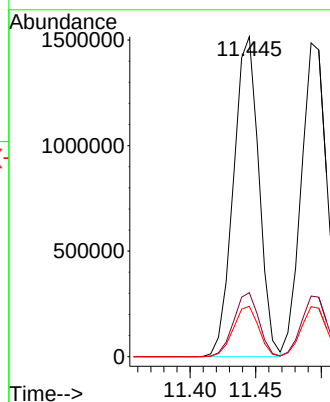
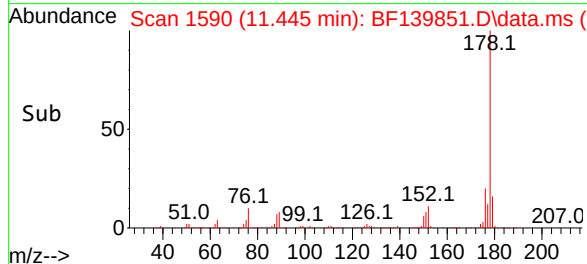
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:178 Resp: 204557
Ion Ratio Lower Upper
178 100
176 20.0 15.8 23.6
179 15.7 12.6 18.8

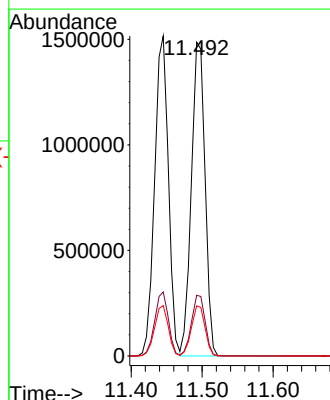
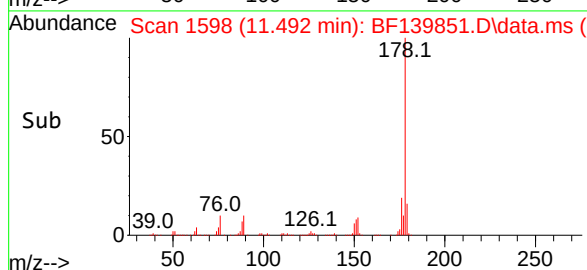
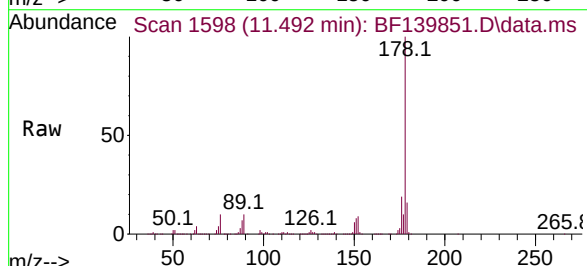
Manual Integrations
APPROVED

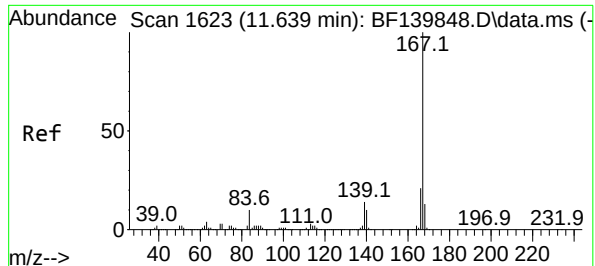
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#72
Anthracene
Concen: 68.333 ng
RT: 11.492 min Scan# 1598
Delta R.T. 0.000 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

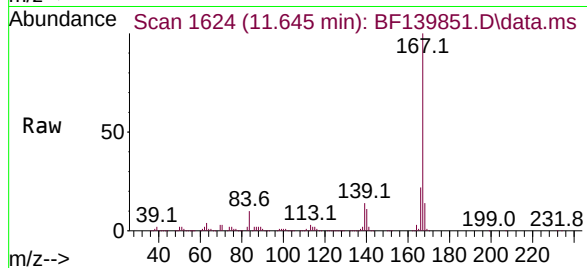
Tgt Ion:178 Resp: 1995750
Ion Ratio Lower Upper
178 100
176 19.3 15.3 22.9
179 16.0 12.4 18.6





#73
Carbazole
Concen: 66.943 ng
RT: 11.645 min Scan# 1624
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

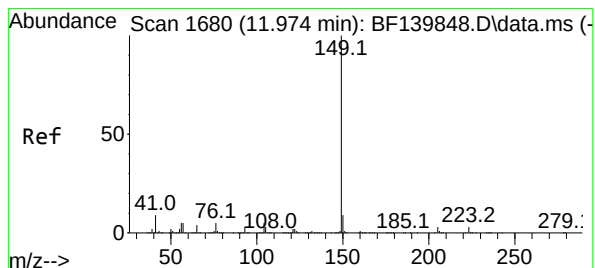
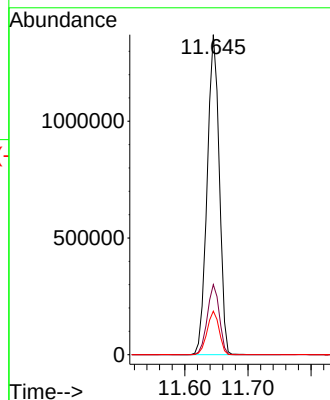
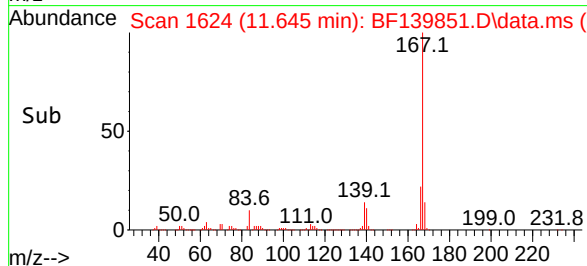
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:167 Resp: 1818340
Ion Ratio Lower Upper
167 100
166 21.9 17.0 25.6
139 13.6 10.8 16.2

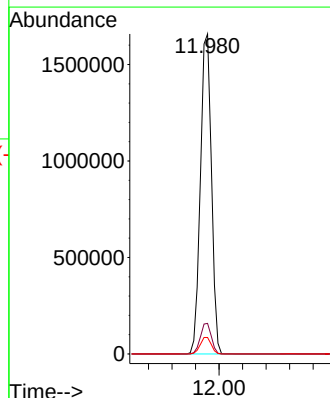
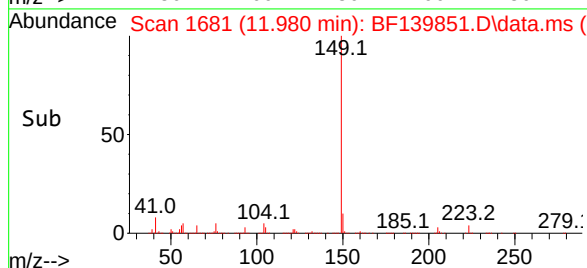
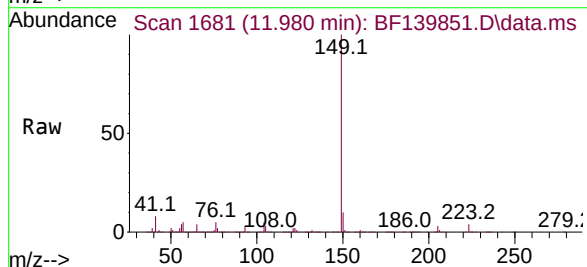
Manual Integrations
APPROVED

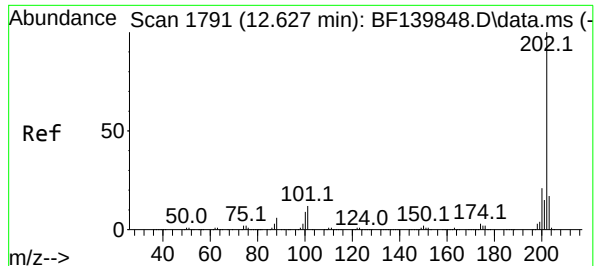
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#74
Di-n-butylphthalate
Concen: 68.623 ng
RT: 11.980 min Scan# 1681
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

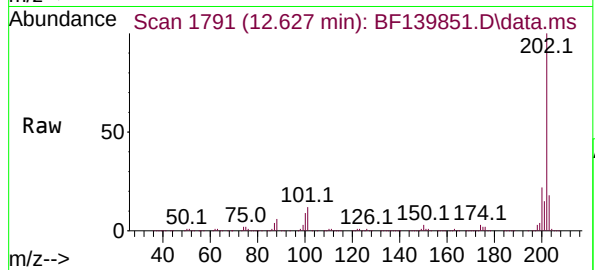
Tgt Ion:149 Resp: 2153517
Ion Ratio Lower Upper
149 100
150 9.5 7.5 11.3
104 5.2 4.1 6.1





#75
Fluoranthene
Concen: 64.632 ng
RT: 12.627 min Scan# 1791
Delta R.T. 0.000 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

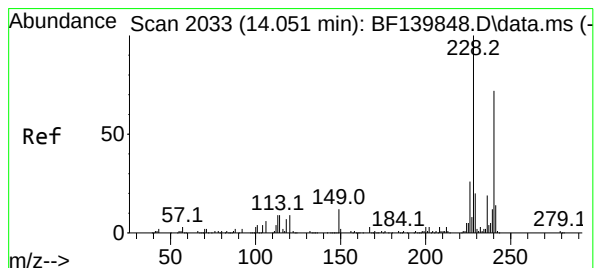
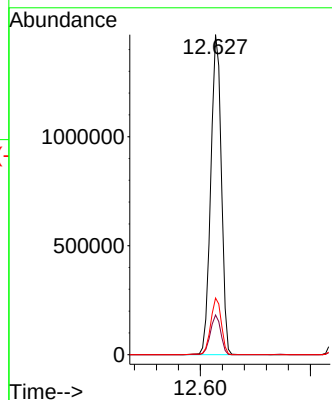
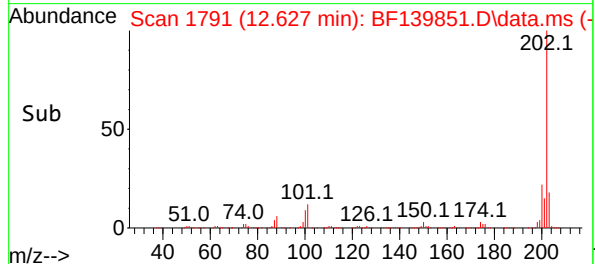
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



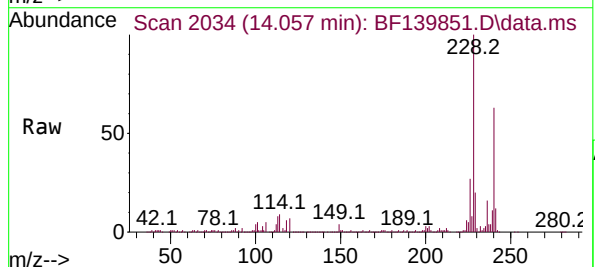
Tgt Ion:202 Resp: 195584
Ion Ratio Lower Upper
202 100
101 12.4 0.0 31.9
203 17.7 0.0 37.5

Manual Integrations
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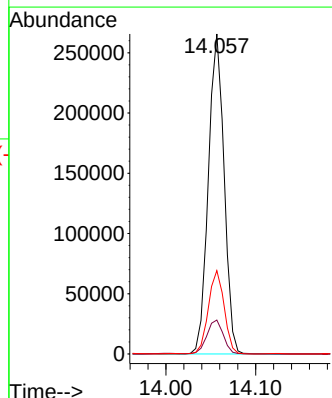
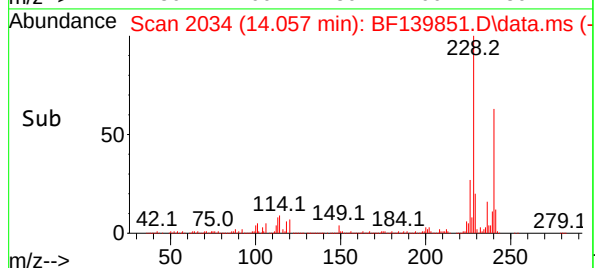
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

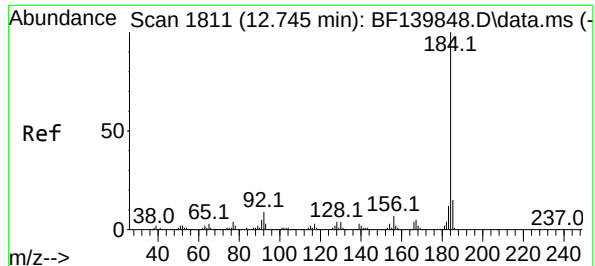


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46



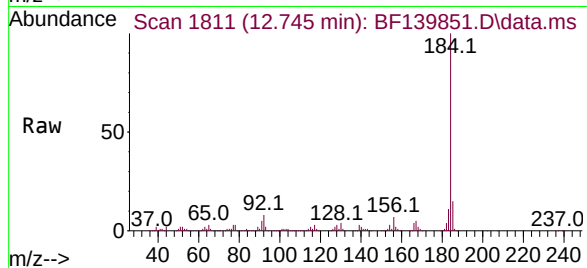
Tgt Ion:240 Resp: 323513
Ion Ratio Lower Upper
240 100
120 10.6 9.4 14.2
236 26.1 20.9 31.3





#77
Benzidine
Concen: 60.567 ng
RT: 12.745 min Scan# 1811
Delta R.T. 0.000 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

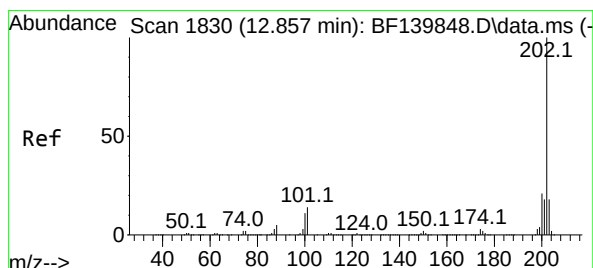
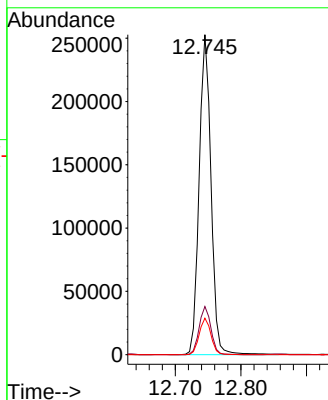
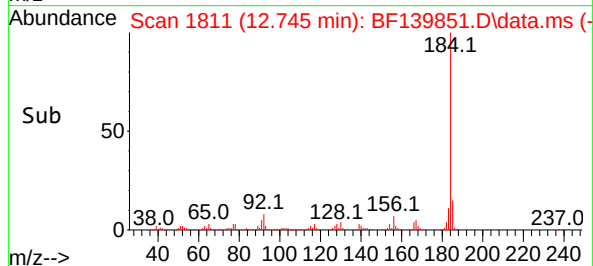
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:184 Resp: 318678
Ion Ratio Lower Upper
184 100
185 15.1 12.0 18.0
183 11.4 9.4 14.2

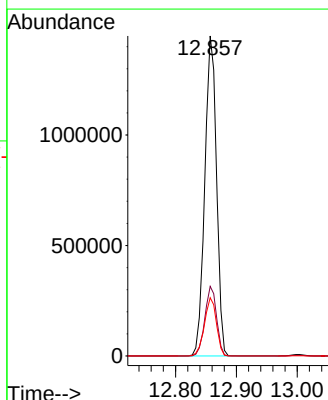
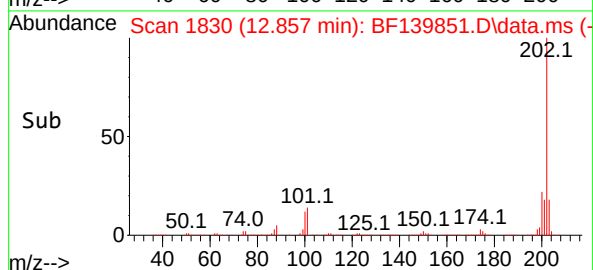
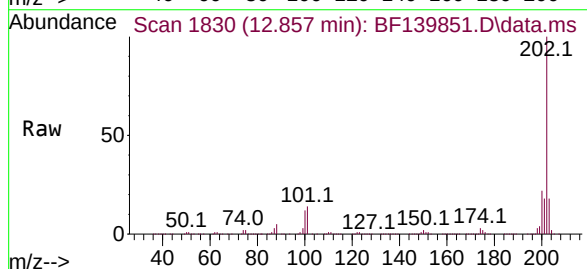
Manual Integrations
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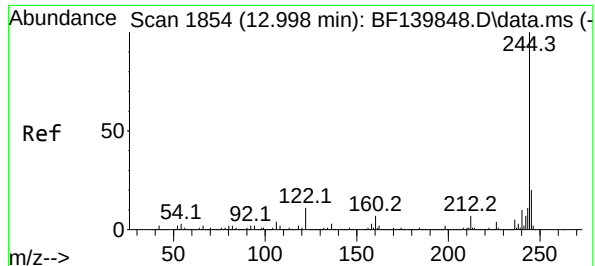
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#78
Pyrene
Concen: 68.360 ng
RT: 12.857 min Scan# 1830
Delta R.T. 0.000 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion:202 Resp: 1935829
Ion Ratio Lower Upper
202 100
200 21.7 17.2 25.8
203 18.2 14.2 21.4





#79

Terphenyl-d14

Concen: 132.704 ng

RT: 13.004 min Scan# 1855

Delta R.T. 0.006 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:244 Resp: 2634670

Ion Ratio Lower Upper

244 100

212 7.1 5.7 8.5

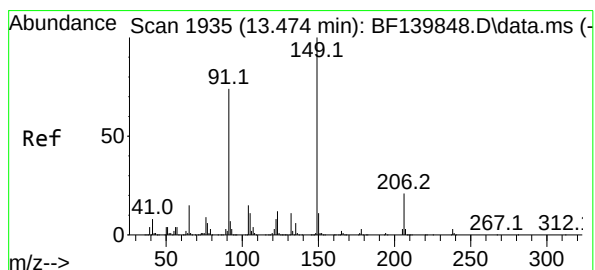
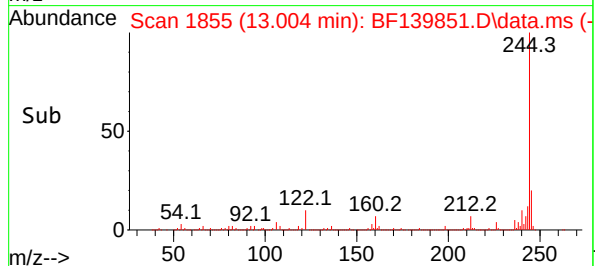
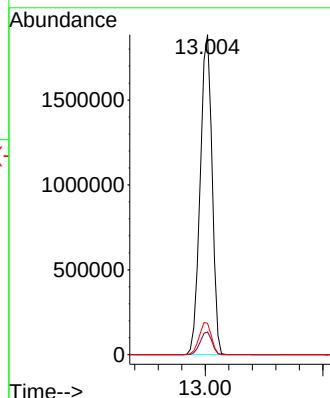
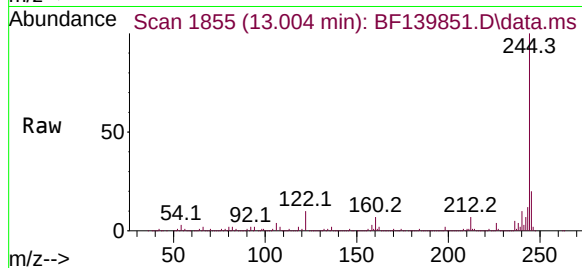
122 9.8 8.6 13.0

Manual Integrations

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Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#80

Butylbenzylphthalate

Concen: 78.274 ng

RT: 13.474 min Scan# 1935

Delta R.T. 0.000 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46

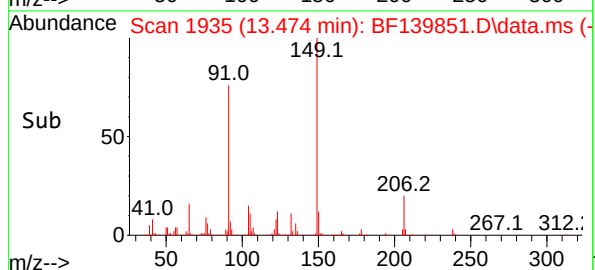
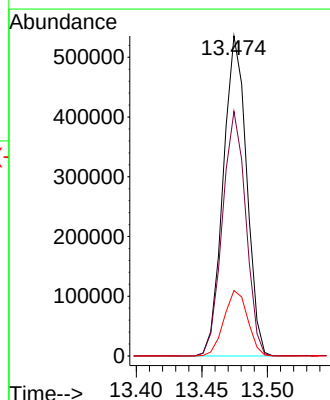
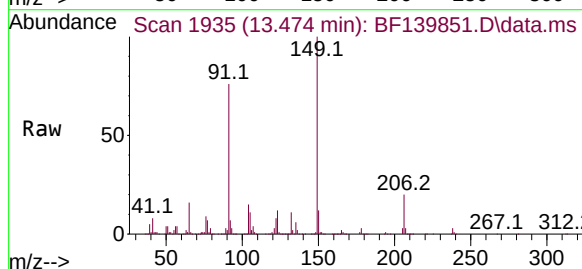
Tgt Ion:149 Resp: 664532

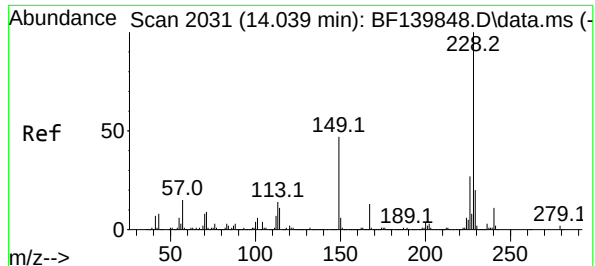
Ion Ratio Lower Upper

149 100

91 76.5 59.4 89.2

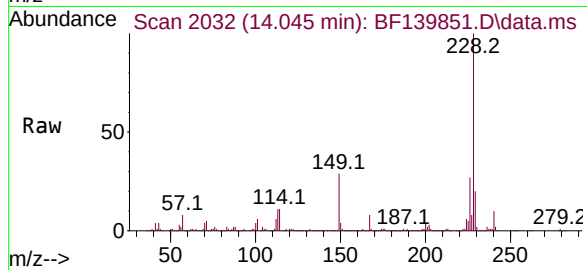
206 20.5 16.4 24.6





#81
Benzo(a)anthracene
Concen: 71.840 ng
RT: 14.045 min Scan# 2031
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

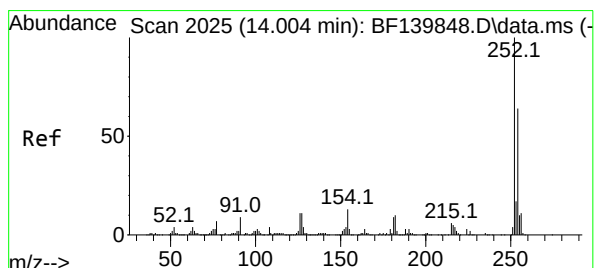
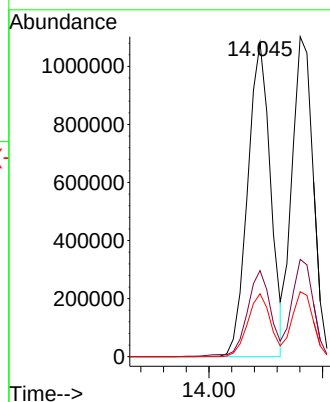
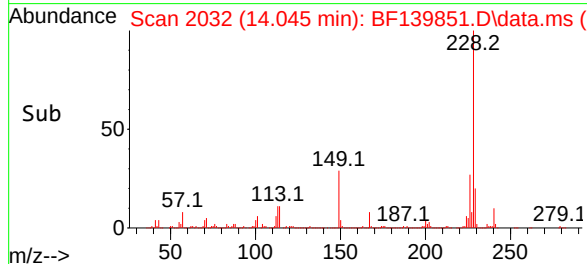
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



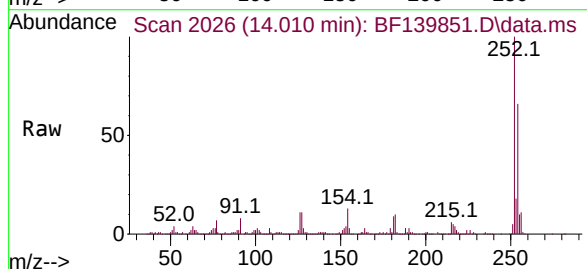
Tgt Ion:228 Resp: 1512920
Ion Ratio Lower Upper
228 100
226 27.4 21.6 32.4
229 20.0 16.1 24.1

Manual Integrations
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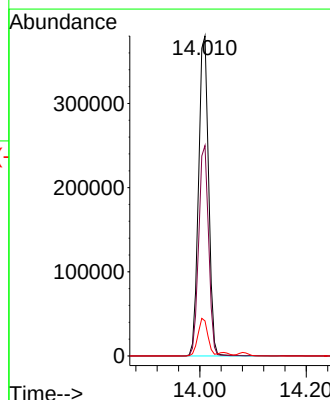
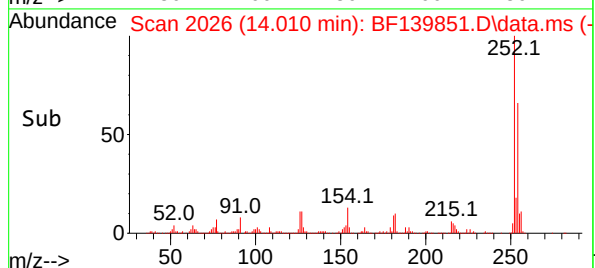
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

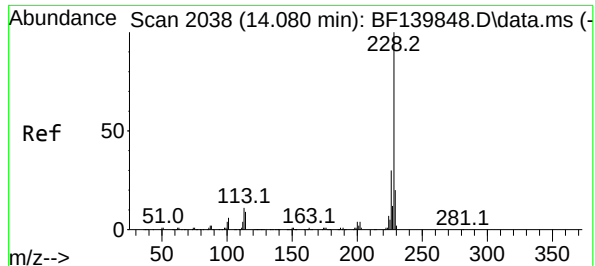


#82
3,3'-Dichlorobenzidine
Concen: 80.937 ng
RT: 14.010 min Scan# 2026
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46



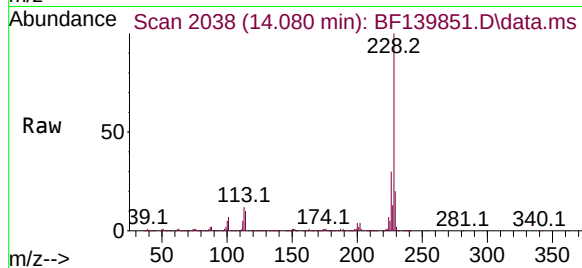
Tgt Ion:252 Resp: 496976
Ion Ratio Lower Upper
252 100
254 65.7 50.8 76.2
126 11.0 8.9 13.3





#83
Chrysene
Concen: 73.774 ng
RT: 14.080 min Scan# 2038
Delta R.T. 0.000 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

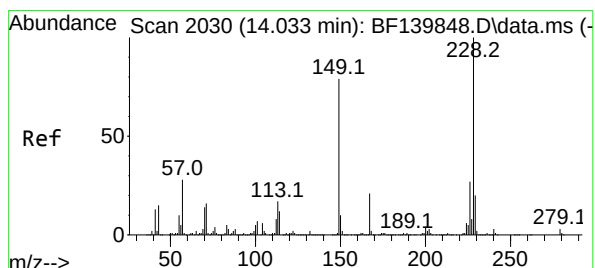
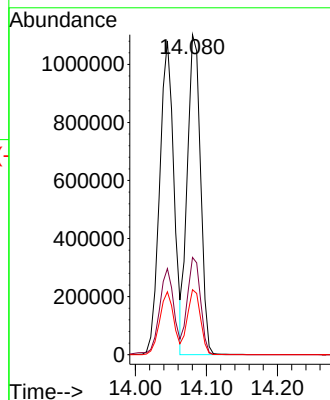
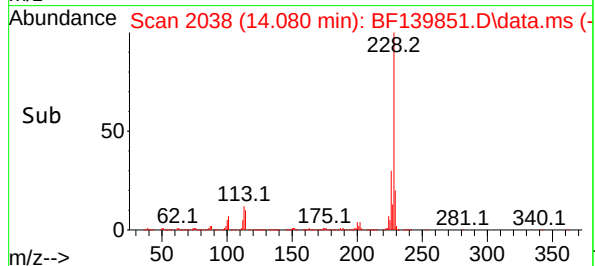
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:228 Resp: 142452
Ion Ratio Lower Upper
228 100
226 30.4 24.1 36.1
229 20.3 15.8 23.6

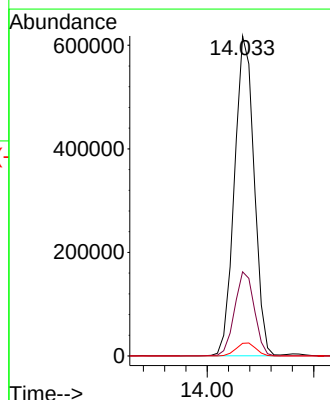
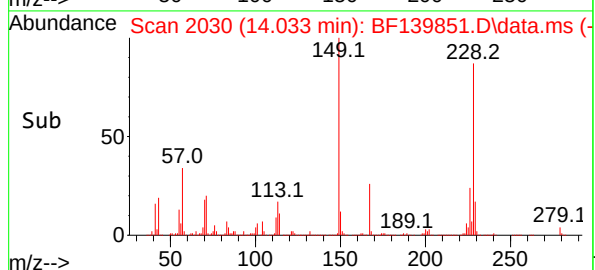
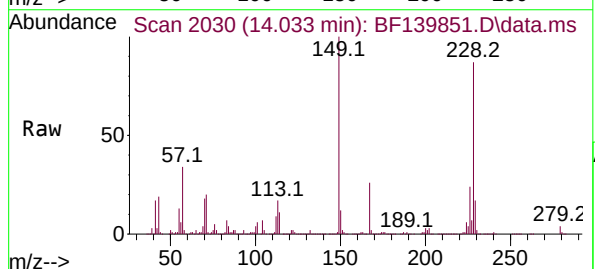
Manual Integrations
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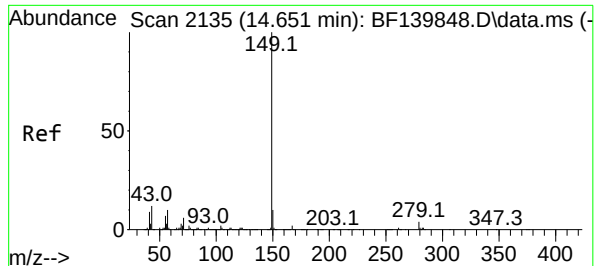
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#84
Bis(2-ethylhexyl)phthalate
Concen: 83.399 ng
RT: 14.033 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

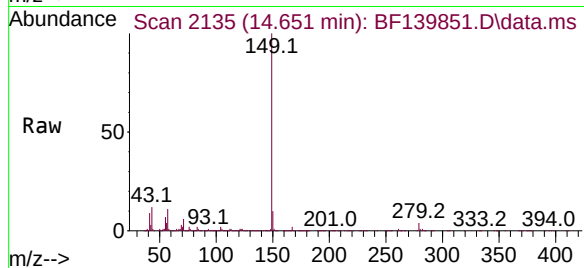
Tgt Ion:149 Resp: 794387
Ion Ratio Lower Upper
149 100
167 26.3 21.4 32.0
279 4.0 3.0 4.4





#85
Di-n-octyl phthalate
Concen: 88.561 ng
RT: 14.651 min Scan# 2135
Delta R.T. -0.000 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

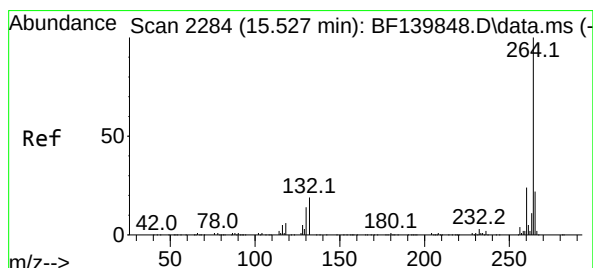
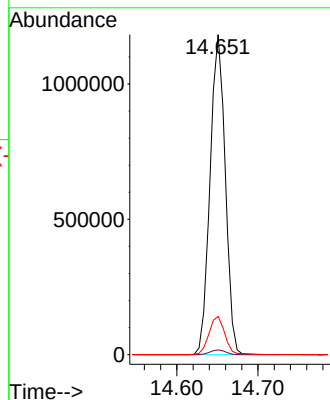
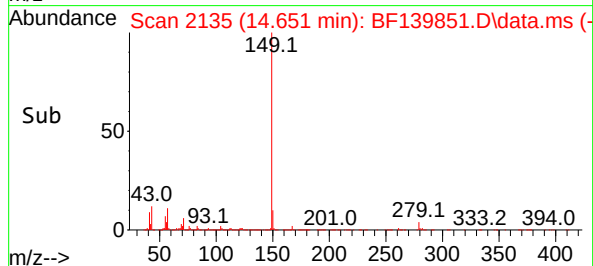
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:149 Resp: 153433
Ion Ratio Lower Upper
149 100
167 1.5 1.2 1.8
43 12.4 9.8 14.6

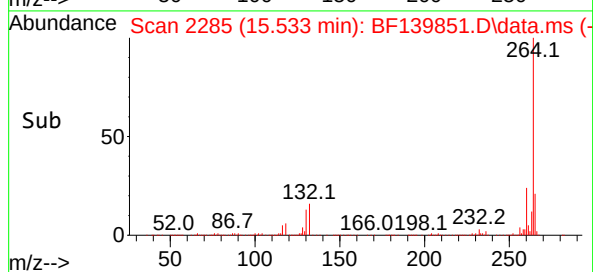
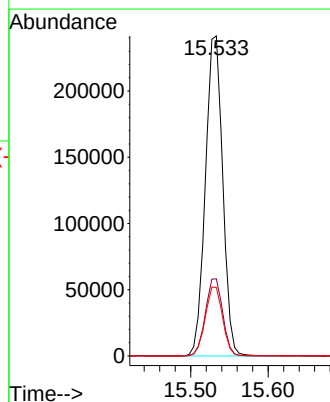
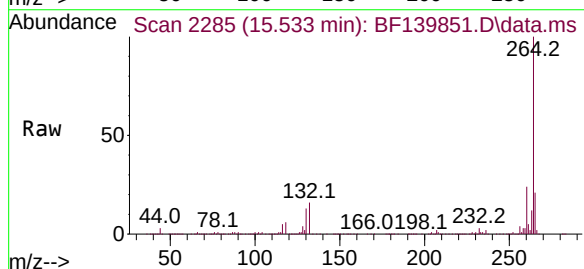
Manual Integrations
APPROVED

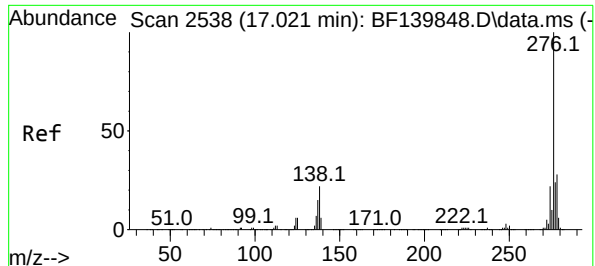
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2285
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion:264 Resp: 374491
Ion Ratio Lower Upper
264 100
260 24.1 19.4 29.2
265 21.4 17.4 26.0





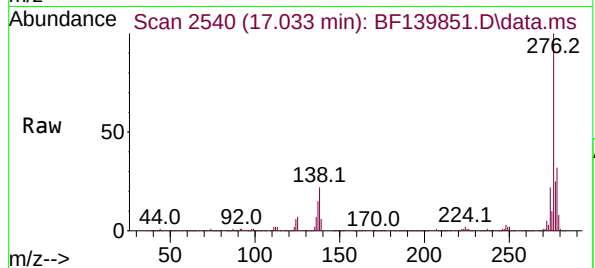
#87
Indeno(1,2,3-cd)pyrene
Concen: 77.935 ng
RT: 17.033 min Scan# 2150
Delta R.T. 0.012 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC080



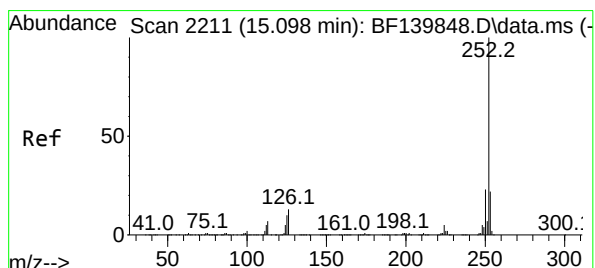
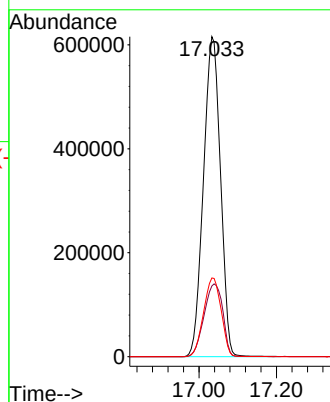
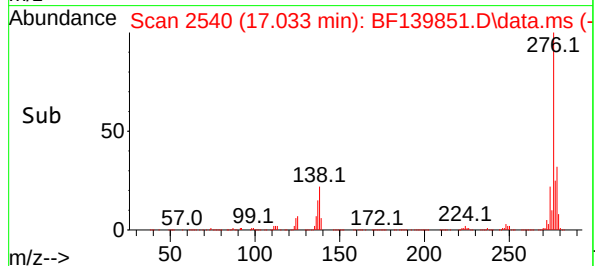
Tgt Ion:276 Resp: 1877610
Ion Ratio Lower Upper
276 100
138 25.1 20.4 30.6
277 25.4 20.2 30.4

Manual Integrations

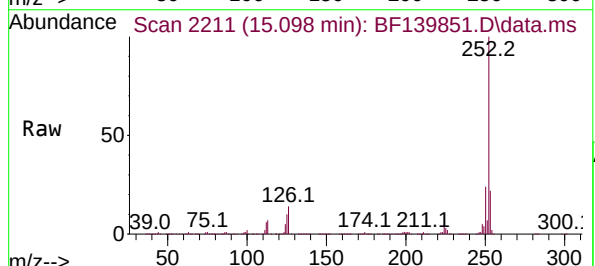
APPROVED

Reviewed By :Yogesh Patel 10/21/2024

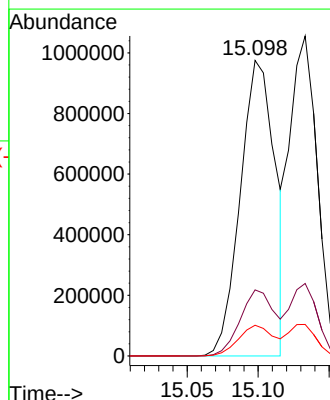
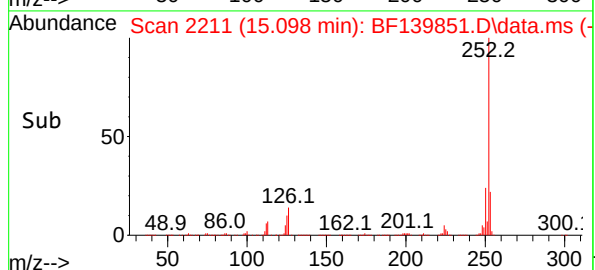
Supervised By :mohammad ahmed 10/21/2024

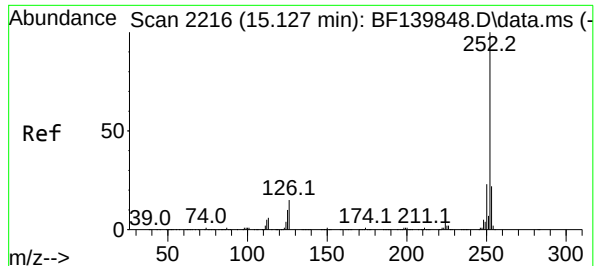


#88
Benzo(b)fluoranthene
Concen: 72.980 ng
RT: 15.098 min Scan# 2211
Delta R.T. 0.000 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46



Tgt Ion:252 Resp: 1664856
Ion Ratio Lower Upper
252 100
253 22.4 17.6 26.4
125 10.4 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 72.134 ng

RT: 15.133 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:252 Resp: 1419158

Ion Ratio Lower Upper

252 100

253 22.7 17.6 26.4

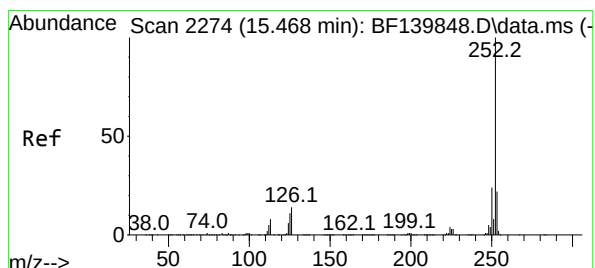
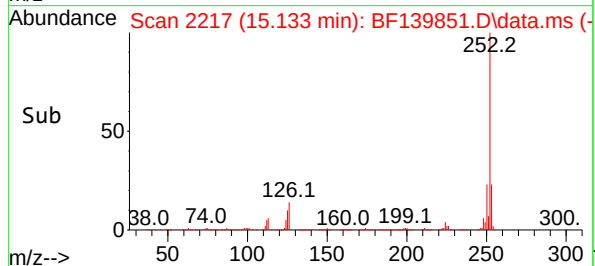
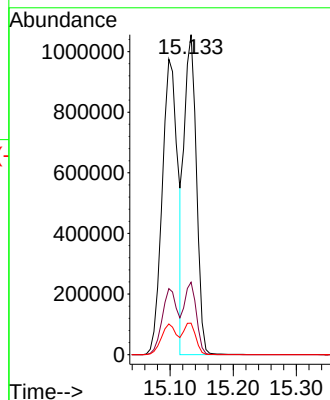
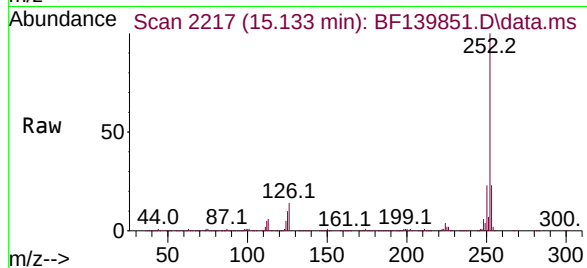
125 9.9 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#90

Benzo(a)pyrene

Concen: 75.598 ng

RT: 15.474 min Scan# 2275

Delta R.T. 0.006 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46

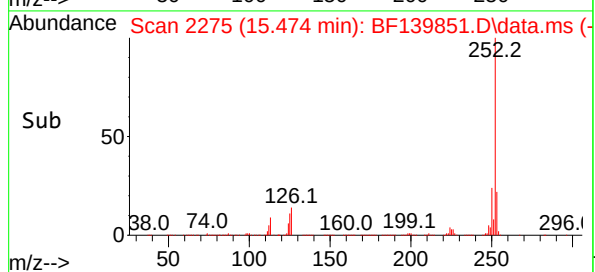
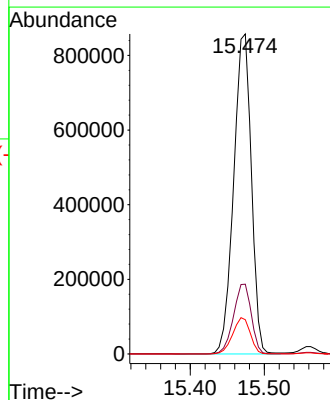
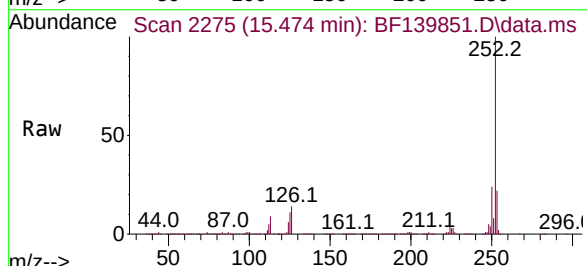
Tgt Ion:252 Resp: 1419026

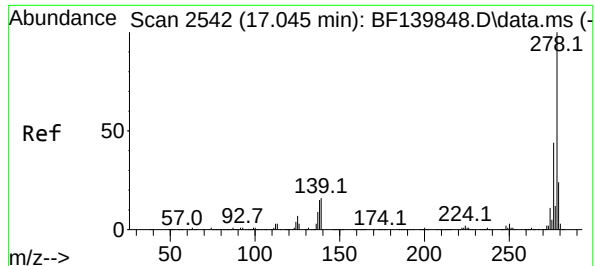
Ion Ratio Lower Upper

252 100

253 21.8 17.3 25.9

125 10.7 8.7 13.1





#91

Dibenzo(a,h)anthracene

Concen: 77.226 ng

RT: 17.057 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:278 Resp: 155209

Ion Ratio Lower Upper

278 100

139 15.6 13.1 19.7

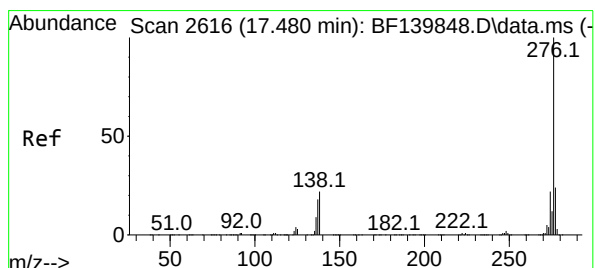
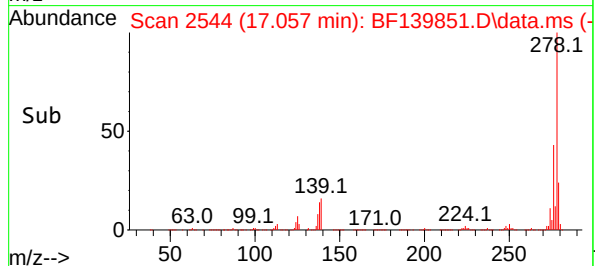
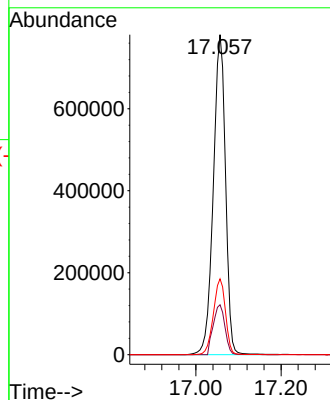
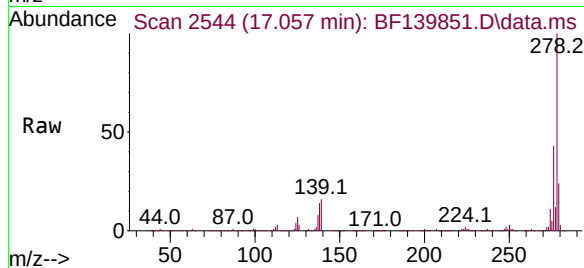
279 23.7 19.0 28.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#92

Benzo(g,h,i)perylene

Concen: 77.240 ng

RT: 17.492 min Scan# 2618

Delta R.T. 0.012 min

Lab File: BF139851.D

Acq: 18 Oct 2024 13:46

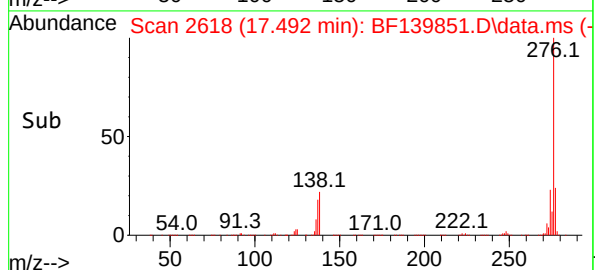
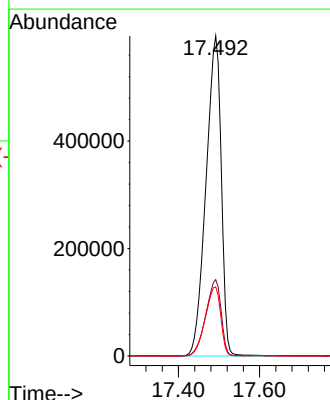
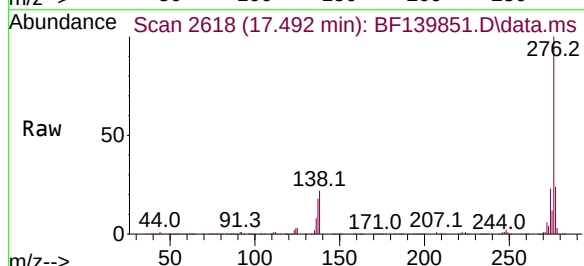
Tgt Ion:276 Resp: 1550622

Ion Ratio Lower Upper

276 100

277 23.9 19.0 28.6

138 21.6 17.4 26.0





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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: SCHE03

Lab Code: CHEM Case No.: P4385 SAS No.: P4385 SDG No.: P4385

Instrument ID: BNA_F Calibration Date/Time: 10/21/2024 09:57

Lab File ID: BF139892.D Init. Calib. Date(s): 10/18/2024 10/18/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:27 13:46

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.278	1.253		-2.0	
Benzaldehyde	0.931	0.814		-12.6	
Phenol-d6	1.655	1.618		-2.2	
Phenol	1.706	1.701		-0.3	20.0
bis(2-Chloroethyl)ether	1.319	1.298		-1.6	
2-Chlorophenol	1.306	1.302		-0.3	
2-Methylphenol	1.114	1.099		-1.3	
2,2-oxybis(1-Chloropropane)	2.248	2.201		-2.1	
Acetophenone	0.490	0.481		-1.8	
3+4-Methylphenols	1.424	1.398		-1.8	
n-Nitroso-di-n-propylamine	1.004	0.965	0.050	-3.9	
Nitrobenzene-d5	0.361	0.370		2.5	
Hexachloroethane	0.534	0.539		0.9	
Nitrobenzene	0.396	0.395		-0.3	
Isophorone	0.685	0.677		-1.2	
2-Nitrophenol	0.149	0.157		5.4	20.0
2,4-Dimethylphenol	0.249	0.243		-2.4	
bis(2-Chloroethoxy)methane	0.415	0.418		0.7	
2,4-Dichlorophenol	0.283	0.286		1.1	20.0
Naphthalene	1.031	1.026		-0.5	
4-Chloroaniline	0.352	0.354		0.6	
Hexachlorobutadiene	0.197	0.202		2.5	20.0
Caprolactam	0.090	0.085		-5.6	
4-Chloro-3-methylphenol	0.314	0.311		-1.0	20.0
2-Methylnaphthalene	0.632	0.627		-0.8	
Hexachlorocyclopentadiene	0.188	0.209	0.050	11.2	
2,4,6-Trichlorophenol	0.382	0.378		-1.0	20.0
2-Fluorobiphenyl	1.210	1.182		-2.3	
2,4,5-Trichlorophenol	0.394	0.415		5.3	
1,1-Biphenyl	1.392	1.400		0.6	
2-Chloronaphthalene	1.121	1.125		0.4	
2-Nitroaniline	0.343	0.354		3.2	
Dimethylphthalate	1.246	1.237		-0.7	
Acenaphthylene	1.621	1.614		-0.4	
2,6-Dinitrotoluene	0.270	0.275		1.9	
3-Nitroaniline	0.278	0.282		1.4	
Acenaphthene	1.049	1.050		0.1	20.0
2,4-Dinitrophenol	0.093	0.104	0.050	11.8	
4-Nitrophenol	0.214	0.218	0.050	1.9	



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Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: SCHE03

Lab Code: CHEM Case No.: P4385 SAS No.: P4385 SDG No.: P4385

Instrument ID: BNA_F Calibration Date/Time: 10/21/2024 09:57

Lab File ID: BF139892.D Init. Calib. Date(s): 10/18/2024 10/18/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:27 13:46

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.505	1.506		0.1	
2,4-Dinitrotoluene	0.332	0.343		3.3	
Diethylphthalate	1.223	1.206		-1.4	
4-Chlorophenyl-phenylether	0.579	0.575		-0.7	
Fluorene	1.146	1.118		-2.4	
4-Nitroaniline	0.263	0.269		2.3	
4,6-Dinitro-2-methylphenol	0.082	0.091		11.0	
n-Nitrosodiphenylamine	0.599	0.601		0.3	20.0
2,4,6-Tribromophenol	0.187	0.195		4.3	
4-Bromophenyl-phenylether	0.206	0.215		4.4	
Hexachlorobenzene	0.232	0.240		3.4	
Atrazine	0.162	0.162		0.0	
Pentachlorophenol	0.141	0.155		9.9	20.0
Phenanthrene	0.945	0.931		-1.5	
Anthracene	0.922	0.920		-0.2	
Carbazole	0.857	0.827		-3.5	
Di-n-butylphthalate	0.990	0.946		-4.4	
Fluoranthene	0.955	0.907		-5.0	20.0
Pyrene	1.751	1.911		9.1	
Terphenyl-d14	1.227	1.303		6.2	
Butylbenzylphthalate	0.525	0.537		2.3	
3,3-Dichlorobenzidine	0.380	0.390		2.6	
Benzo (a) anthracene	1.302	1.326		1.8	
Chrysene	1.194	1.209		1.3	
Bis(2-ethylhexyl)phthalate	0.589	0.666		13.1	
Di-n-octyl phthalate	1.071	1.261		17.7	20.0
Benzo (b) fluoranthene	1.218	1.234		1.3	
Benzo (k) fluoranthene	1.051	0.938		-10.8	
Benzo (a) pyrene	1.002	1.009		0.7	20.0
Indeno (1,2,3-cd) pyrene	1.287	1.495		16.2	
Dibenzo (a,h) anthracene	1.073	1.250		16.5	
Benzo (g,h,i) perylene	1.072	1.278		19.2	
1,2,4,5-Tetrachlorobenzene	0.540	0.552		2.2	
1,4-Dioxane	0.596	0.584		-2.0	20.0
2,3,4,6-Tetrachlorophenol	0.309	0.313		1.3	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102124\
 Data File : BF139892.D
 Acq On : 21 Oct 2024 09:57
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/23/2024

Quant Time: Oct 21 17:36:14 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Oct 18 15:07:50 2024

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	170135	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	645389	20.000	ng	0.00
39) Acenaphthene-d10	9.927	164	355580	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	607097	20.000	ng	0.00
76) Chrysene-d12	14.057	240	292847	20.000	ng	0.00
86) Perylene-d12	15.533	264	323975	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	852833	78.473	ng	0.00
7) Phenol-d6	6.510	99	1101025	78.222	ng	0.00
23) Nitrobenzene-d5	7.451	82	956226	82.117	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	276916	83.258	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	1681335	78.147	ng	0.00
79) Terphenyl-d14	12.998	244	1526835	84.957	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.669	88	198660	39.206	ng	97
3) Pyridine	3.434	79	486923	38.768	ng	99
4) n-Nitrosodimethylamine	3.381	42	259266	38.421	ng	98
6) Aniline	6.557	93	525691	40.073	ng	98
8) 2-Chlorophenol	6.675	128	442965	39.870	ng	99
9) Benzaldehyde	6.439	77	277125	34.998	ng	99
10) Phenol	6.522	94	578952m	39.897	ng	
11) bis(2-Chloroethyl)ether	6.628	93	441519	39.365	ng	99
12) 1,3-Dichlorobenzene	6.834	146	511517	40.108	ng	99
13) 1,4-Dichlorobenzene	6.910	146	508709	39.925	ng	99
14) 1,2-Dichlorobenzene	7.063	146	474456	39.898	ng	99
15) Benzyl Alcohol	7.028	79	413380	40.037	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.169	45	748982	39.162	ng	99
17) 2-Methylphenol	7.133	107	374026	39.480	ng	99
18) Hexachloroethane	7.404	117	183296	40.341	ng	99
19) n-Nitroso-di-n-propyla...	7.304	70	328439	38.473	ng	98
20) 3+4-Methylphenols	7.286	107	475818	39.267	ng	99
22) Acetophenone	7.298	105	621128	39.293	ng	99
24) Nitrobenzene	7.475	77	509579	39.913	ng	99
25) Isophorone	7.710	82	873343	39.515	ng	100
26) 2-Nitrophenol	7.786	139	202148	41.970	ng	99
27) 2,4-Dimethylphenol	7.816	122	313417	39.025	ng	99
28) bis(2-Chloroethoxy)met...	7.922	93	539718	40.306	ng	100
29) 2,4-Dichlorophenol	8.022	162	369566	40.400	ng	99
30) 1,2,4-Trichlorobenzene	8.116	180	408787	40.386	ng	100
31) Naphthalene	8.198	128	1323858	39.773	ng	100
32) Benzoic acid	7.922	122	286875	40.954	ng	96
33) 4-Chloroaniline	8.239	127	457382	40.298	ng	99
34) Hexachlorobutadiene	8.316	225	261109	41.056	ng	100
35) Caprolactam	8.610	113	110005	37.820	ng	94
36) 4-Chloro-3-methylphenol	8.710	107	401252	39.613	ng	99
37) 2-Methylnaphthalene	8.886	142	808847	39.678	ng	100
38) 1-Methylnaphthalene	8.986	142	792930	39.646	ng	100
40) 1,2,4,5-Tetrachloroben...	9.051	216	392227	40.887	ng	100
41) Hexachlorocyclopentadiene	9.039	237	148729	44.558	ng	98
43) 2,4,6-Trichlorophenol	9.157	196	268594	39.547	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102124\
 Data File : BF139892.D
 Acq On : 21 Oct 2024 09:57
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/22/2024
 Supervised By :mohammad ahmed 10/23/2024

Quant Time: Oct 21 17:36:14 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	295085	42.112	ng	99
46) 1,1'-Biphenyl	9.351	154	995589	40.220	ng	100
47) 2-Chloronaphthalene	9.375	162	799914	40.122	ng	100
48) 2-Nitroaniline	9.469	65	251607	41.264	ng	94
49) Acenaphthylene	9.792	152	1148104	39.833	ng	99
50) Dimethylphthalate	9.651	163	879827	39.724	ng	100
51) 2,6-Dinitrotoluene	9.710	165	195500	40.767	ng	99
52) Acenaphthene	9.963	154	746612	40.043	ng	99
53) 3-Nitroaniline	9.874	138	200727	40.589	ng	100
54) 2,4-Dinitrophenol	9.980	184	74172	40.717	ng	# 8
55) Dibenzofuran	10.133	168	1071125	40.040	ng	99
56) 4-Nitrophenol	10.022	139	155361	40.833	ng	99
57) 2,4-Dinitrotoluene	10.110	165	244072	41.387	ng	99
58) Fluorene	10.480	166	794988	39.017	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	222700	40.541	ng	98
60) Diethylphthalate	10.351	149	857886	39.449	ng	100
61) 4-Chlorophenyl-phenyle...	10.469	204	409196	39.768	ng	99
62) 4-Nitroaniline	10.486	138	191601	41.022	ng	96
63) Azobenzene	10.627	77	899920	39.034	ng	99
65) 4,6-Dinitro-2-methylph...	10.516	198	110117	44.468	ng	96
66) n-Nitrosodiphenylamine	10.586	169	730047	40.178	ng	99
67) 4-Bromophenyl-phenylether	10.963	248	260610	41.669	ng	95
68) Hexachlorobenzene	11.027	284	291695	41.470	ng	95
69) Atrazine	11.110	200	197008	40.026	ng	99
70) Pentachlorophenol	11.216	266	188257	44.099	ng	98
71) Phenanthrene	11.439	178	1130558	39.424	ng	99
72) Anthracene	11.492	178	1117198	39.929	ng	100
73) Carbazole	11.645	167	1004203	38.591	ng	99
74) Di-n-butylphthalate	11.974	149	1148788	38.212	ng	99
75) Fluoranthene	12.627	202	1100841	37.973	ng	99
77) Benzidine	12.745	184	191523	39.773	ng	98
78) Pyrene	12.857	202	1119226	43.662	ng	100
80) Butylbenzylphthalate	13.474	149	314526	40.927	ng	99
81) Benzo(a)anthracene	14.045	228	776819	40.749	ng	99
82) 3,3'-Dichlorobenzidine	14.004	252	228522	41.114	ng	99
83) Chrysene	14.080	228	708340	40.526	ng	99
84) Bis(2-ethylhexyl)phtha...	14.033	149	390286	45.265	ng	99
85) Di-n-octyl phthalate	14.651	149	738371	47.081	ng	99
87) Indeno(1,2,3-cd)pyrene	17.027	276	968452	46.466	ng	99
88) Benzo(b)fluoranthene	15.098	252	799312	40.502	ng	100
89) Benzo(k)fluoranthene	15.127	252	607856	35.714	ng	100
90) Benzo(a)pyrene	15.468	252	653872	40.266	ng	99
91) Dibenzo(a,h)anthracene	17.051	278	809776	46.574	ng	99
92) Benzo(g,h,i)perylene	17.486	276	828102	47.682	ng	99

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

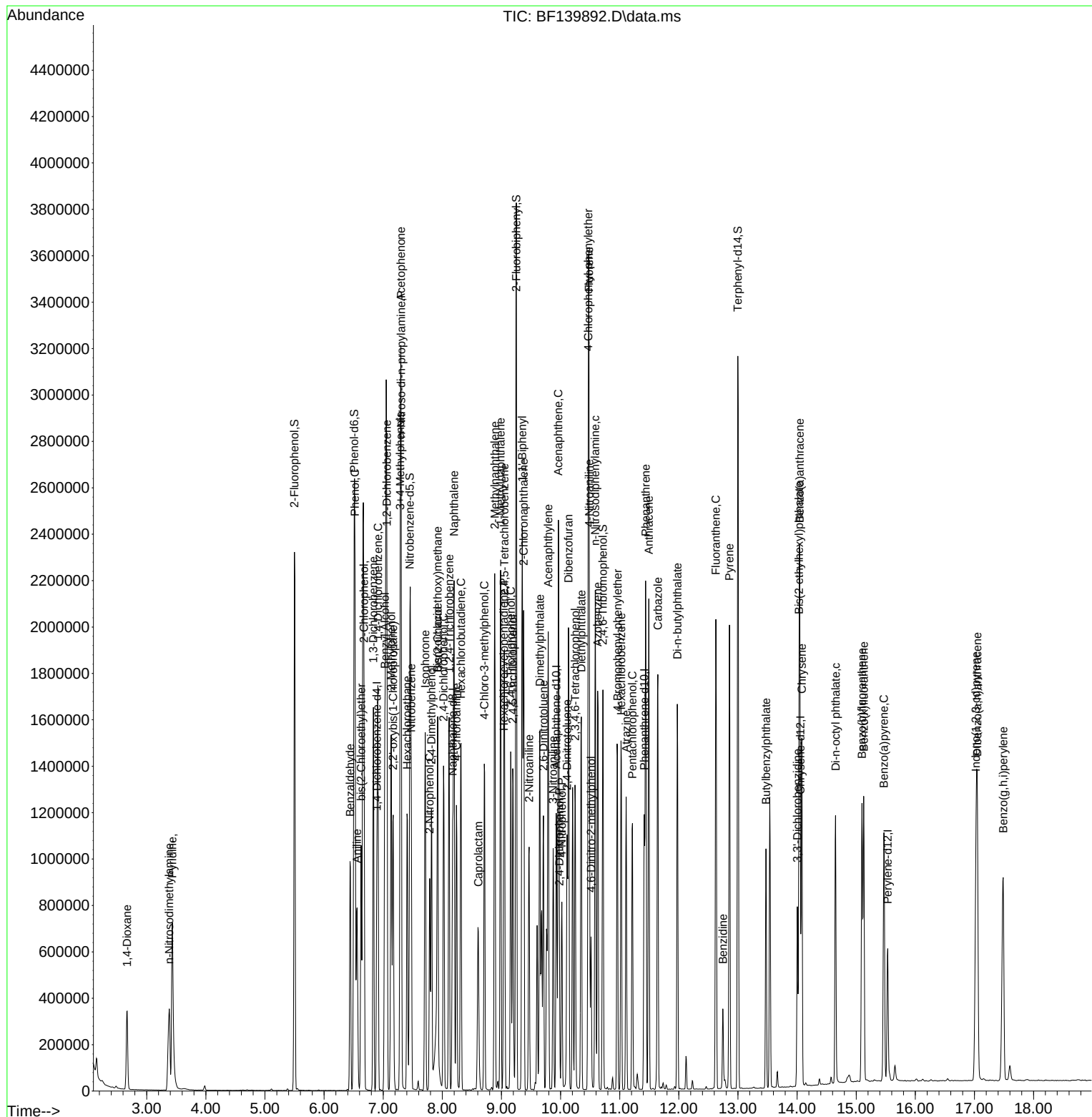
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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102124\  
Data File : BF139892.D  
Acq On    : 21 Oct 2024  09:57  
Operator  : RC/JU  
Sample    : SSTDCCC040  
Misc      :  
ALS Vial  : 2    Sample Multiplier: 1
```

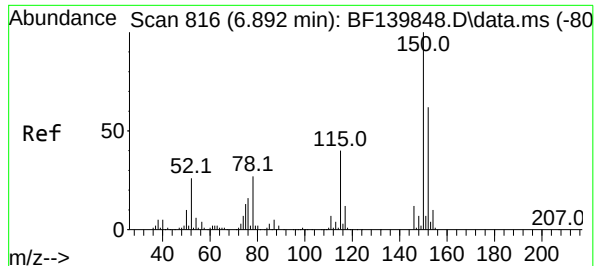
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations

Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024

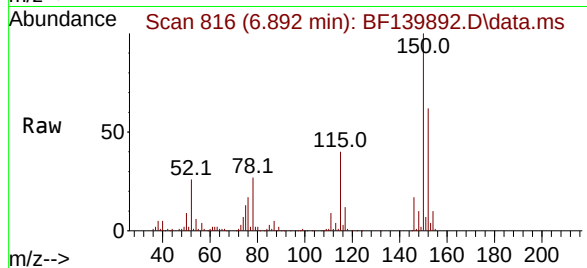
Quant Time: Oct 21 17:36:14 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 816
Delta R.T. 0.000 min
Lab File: BF139892.D
Acq: 21 Oct 2024 09:57

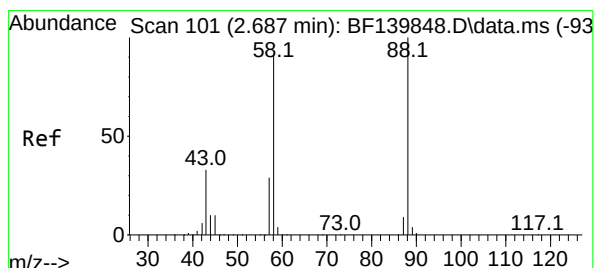
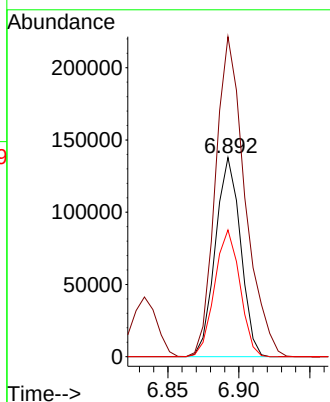
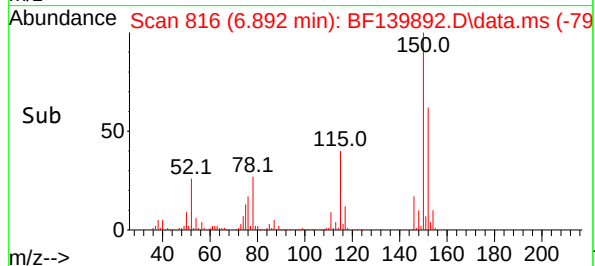
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:152 Resp: 170135
Ion Ratio Lower Upper
152 100
150 160.6 130.2 195.2
115 63.6 51.4 77.2

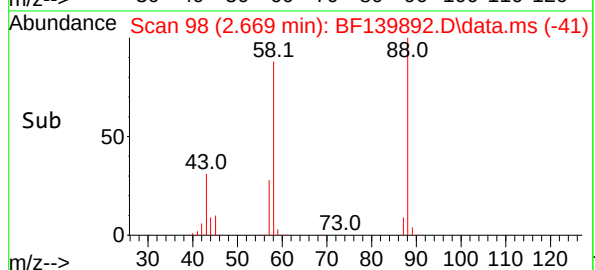
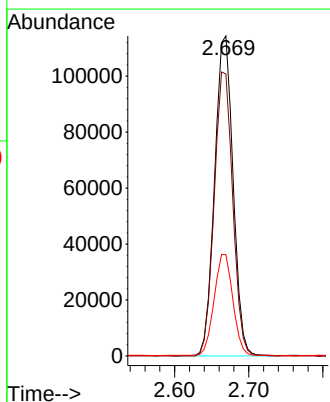
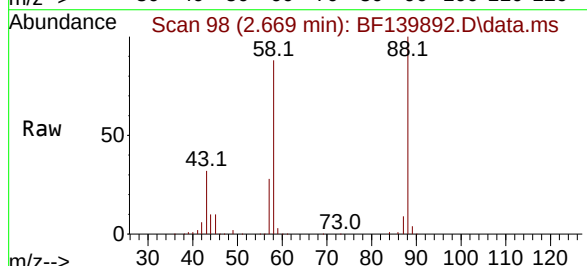
Manual Integrations
APPROVED

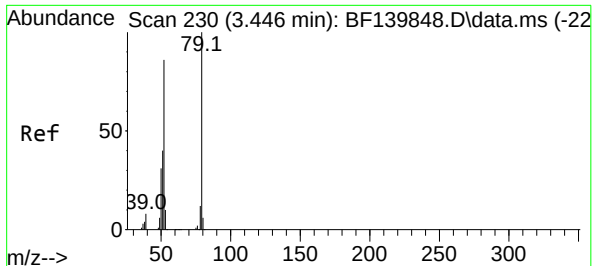
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



#2
1,4-Dioxane
Concen: 39.206 ng
RT: 2.669 min Scan# 98
Delta R.T. -0.018 min
Lab File: BF139892.D
Acq: 21 Oct 2024 09:57

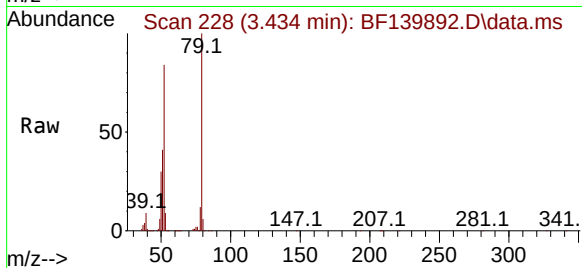
Tgt Ion: 88 Resp: 198660
Ion Ratio Lower Upper
88 100
58 88.7 73.3 109.9
43 32.8 27.1 40.7





#3
Pyridine
Concen: 38.768 ng
RT: 3.434 min Scan# 219
Delta R.T. -0.012 min
Lab File: BF139892.D
Acq: 21 Oct 2024 09:57

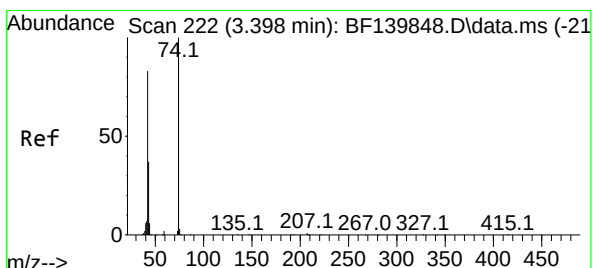
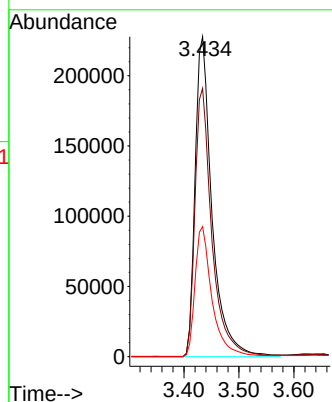
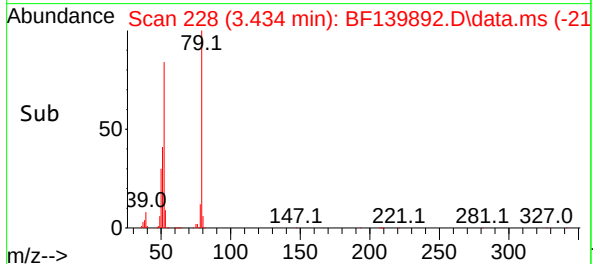
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion: 79 Resp: 48692
Ion Ratio Lower Upper
79 100
52 83.8 68.5 102.7
51 40.7 32.3 48.5

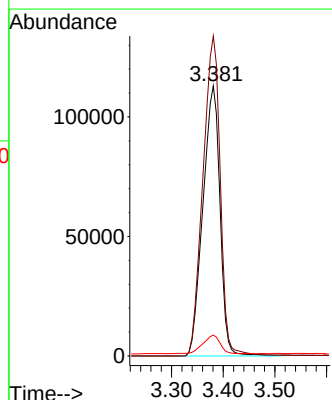
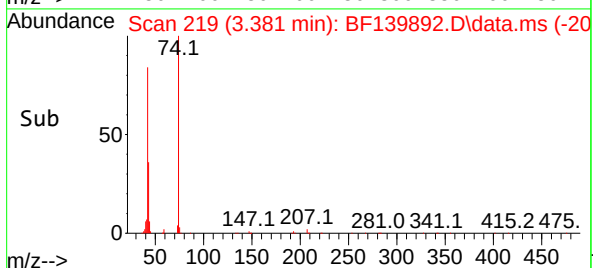
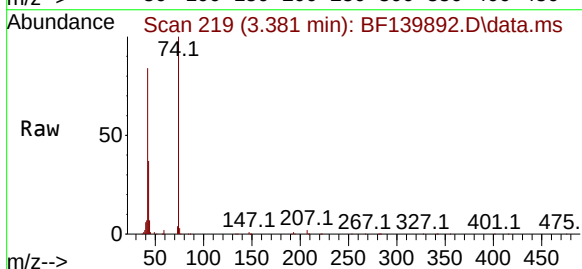
Manual Integrations
APPROVED

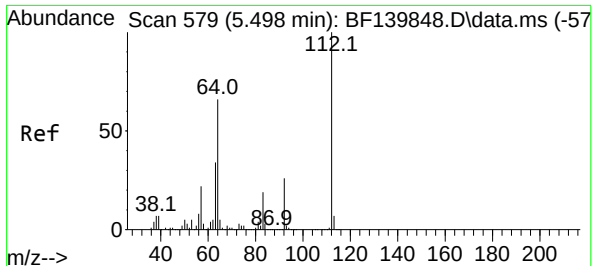
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



#4
n-Nitrosodimethylamine
Concen: 38.421 ng
RT: 3.381 min Scan# 219
Delta R.T. -0.018 min
Lab File: BF139892.D
Acq: 21 Oct 2024 09:57

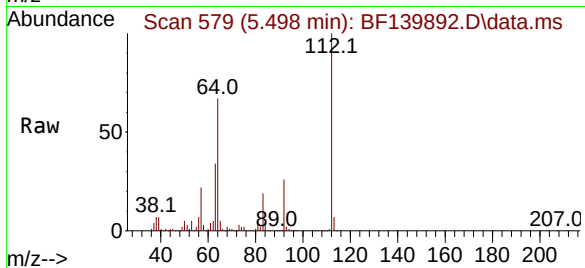
Tgt Ion: 42 Resp: 259266
Ion Ratio Lower Upper
42 100
74 118.5 96.2 144.4
44 7.7 6.2 9.2





#5
2-Fluorophenol
Concen: 78.473 ng
RT: 5.498 min Scan# 511
Delta R.T. 0.000 min
Lab File: BF139892.D
Acq: 21 Oct 2024 09:57

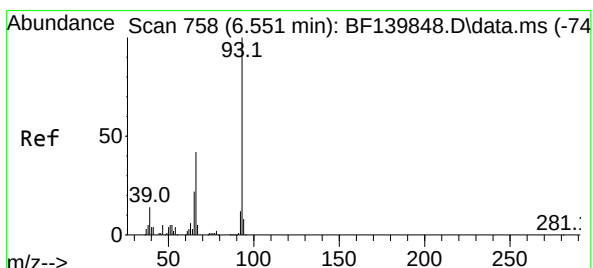
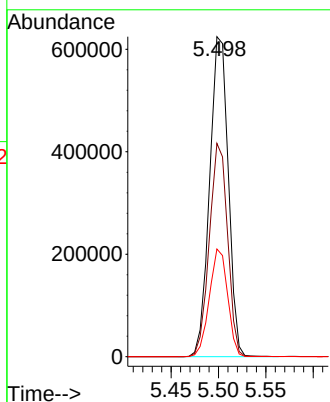
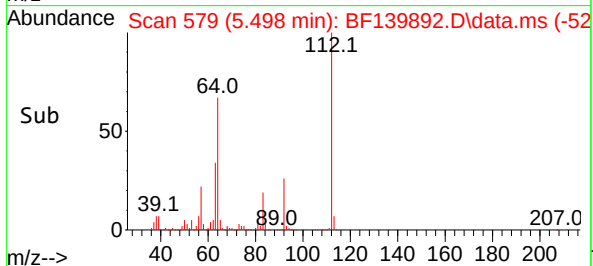
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion: 112 Resp: 85283
Ion Ratio Lower Upper
112 100
64 66.7 53.0 79.6
63 33.6 27.0 40.4

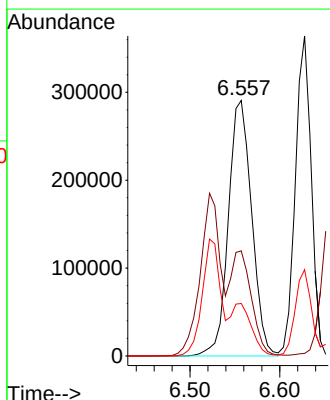
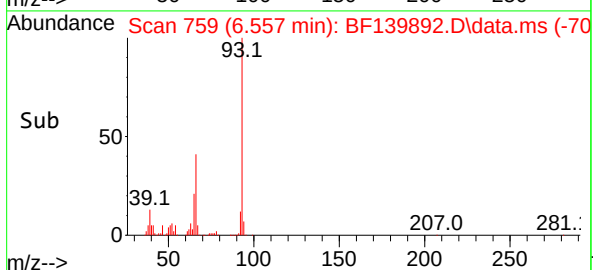
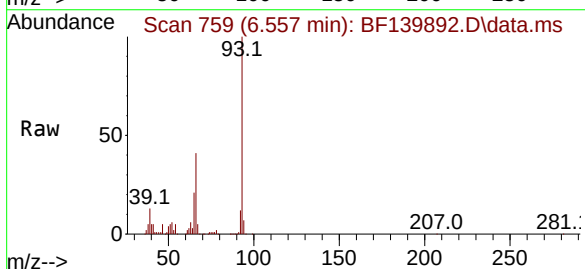
Manual Integrations
APPROVED

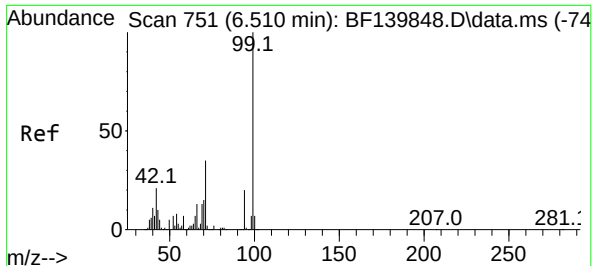
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



#6
Aniline
Concen: 40.073 ng
RT: 6.557 min Scan# 759
Delta R.T. 0.006 min
Lab File: BF139892.D
Acq: 21 Oct 2024 09:57

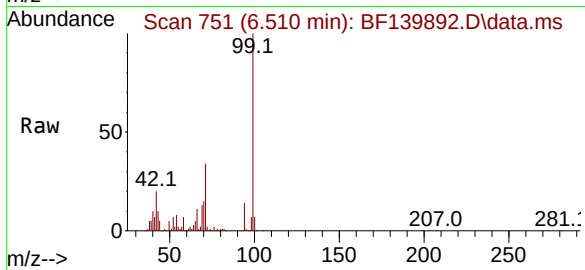
Tgt Ion: 93 Resp: 525691
Ion Ratio Lower Upper
93 100
66 41.1 34.0 51.0
65 20.5 17.4 26.0





#7
Phenol-d6
Concen: 78.222 ng
RT: 6.510 min Scan# 751
Delta R.T. 0.000 min
Lab File: BF139892.D
Acq: 21 Oct 2024 09:57

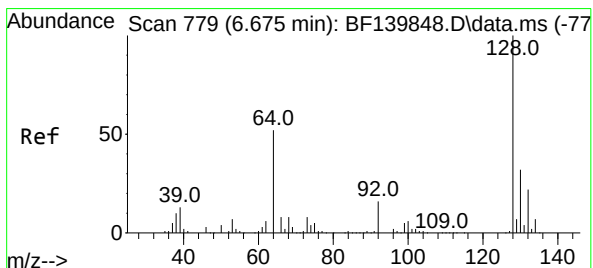
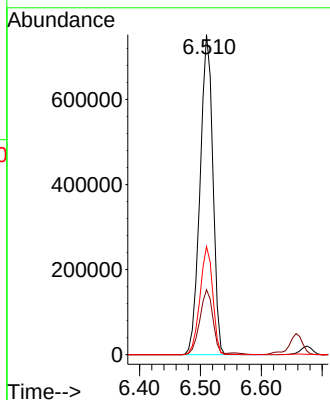
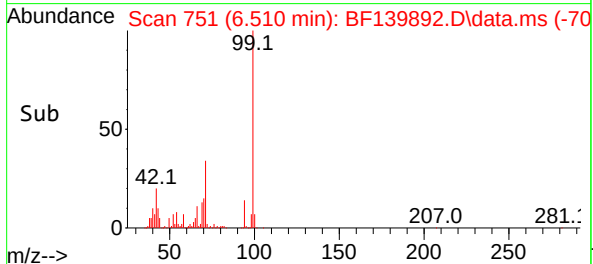
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion: 99 Resp: 1101025
Ion Ratio Lower Upper
99 100
42 20.3 16.7 25.1
71 33.8 27.7 41.5

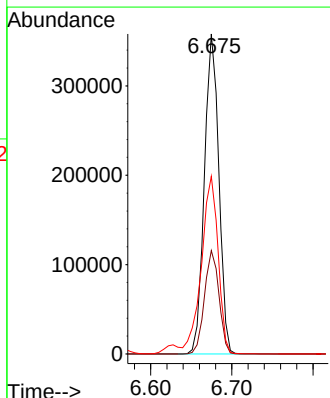
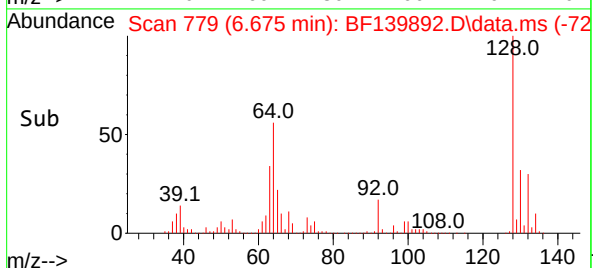
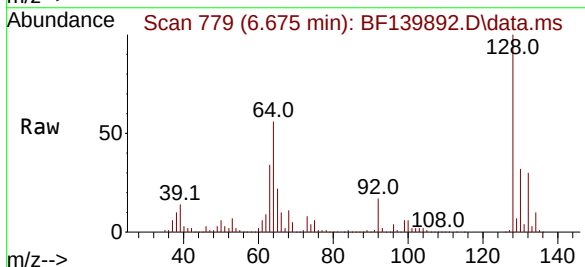
Manual Integrations
APPROVED

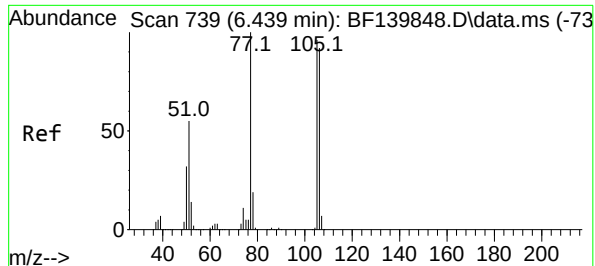
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



#8
2-Chlorophenol
Concen: 39.870 ng
RT: 6.675 min Scan# 779
Delta R.T. 0.000 min
Lab File: BF139892.D
Acq: 21 Oct 2024 09:57

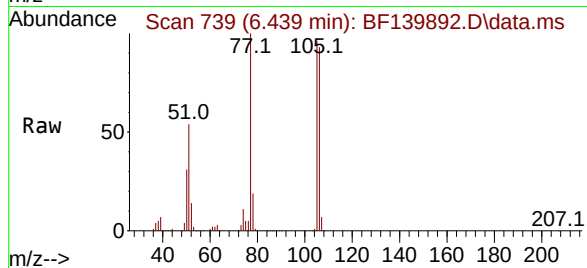
Tgt Ion:128 Resp: 442965
Ion Ratio Lower Upper
128 100
130 32.3 12.3 52.3
64 55.5 34.6 74.6





#9
Benzaldehyde
Concen: 34.998 ng
RT: 6.439 min Scan# 712
Delta R.T. 0.000 min
Lab File: BF139892.D
Acq: 21 Oct 2024 09:57

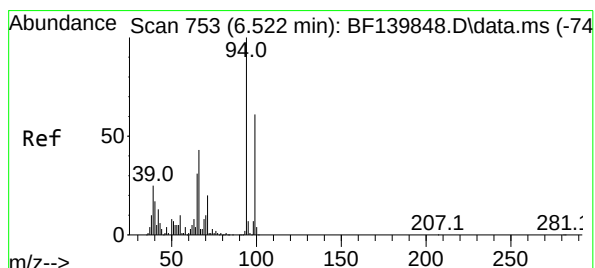
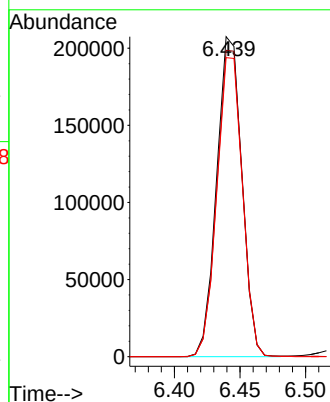
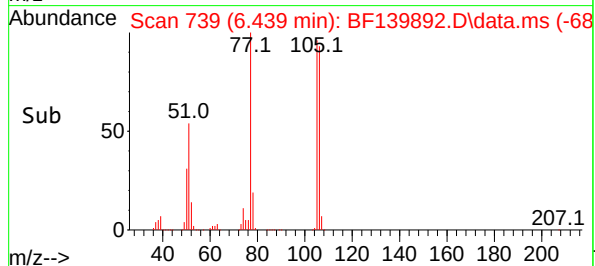
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion: 77 Resp: 277125
Ion Ratio Lower Upper
77 100
105 95.7 75.5 115.5
106 93.4 71.7 111.7

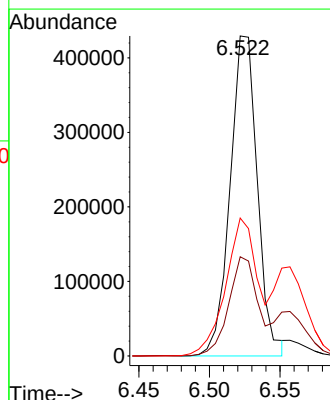
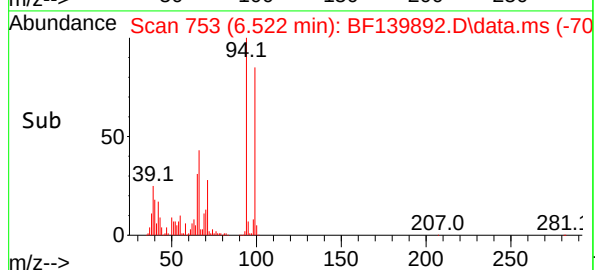
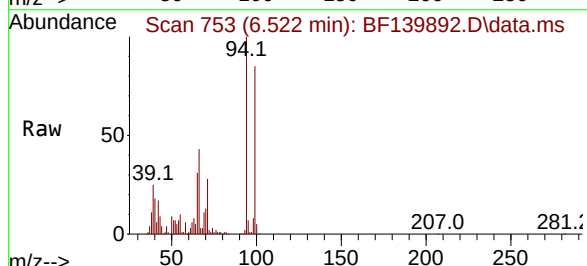
Manual Integrations
APPROVED

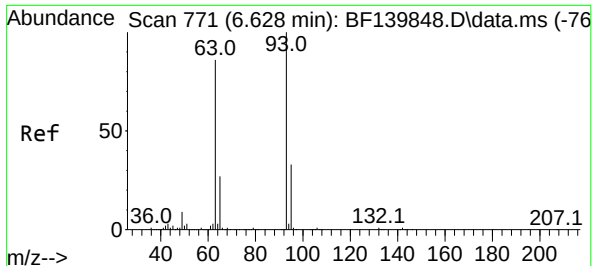
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



#10
Phenol
Concen: 39.897 ng m
RT: 6.522 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF139892.D
Acq: 21 Oct 2024 09:57

Tgt Ion: 94 Resp: 578952
Ion Ratio Lower Upper
94 100
65 31.0 11.1 51.1
66 43.1 22.7 62.7





#11

bis(2-Chloroethyl)ether

Concen: 39.365 ng

RT: 6.628 min Scan# 771

Delta R.T. 0.000 min

Lab File: BF139892.D

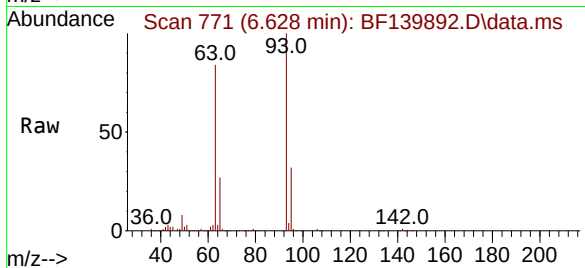
Acq: 21 Oct 2024 09:57

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion: 93 Resp: 441519

Ion Ratio Lower Upper

93 100

63 84.3 65.0 105.0

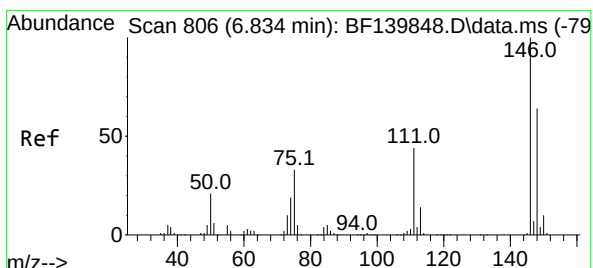
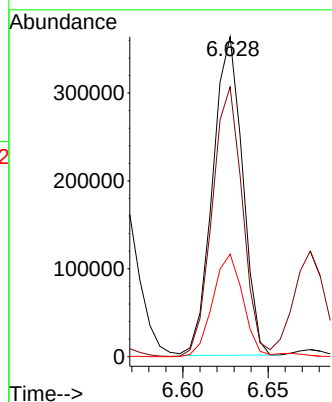
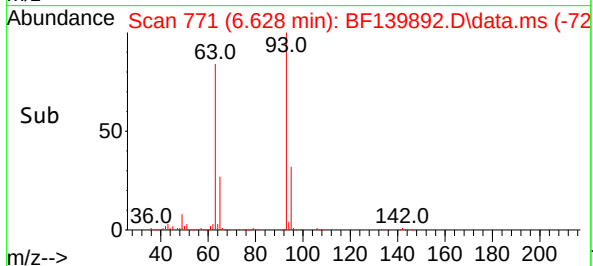
95 32.1 12.4 52.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/23/2024



#12

1,3-Dichlorobenzene

Concen: 40.108 ng

RT: 6.834 min Scan# 806

Delta R.T. 0.000 min

Lab File: BF139892.D

Acq: 21 Oct 2024 09:57

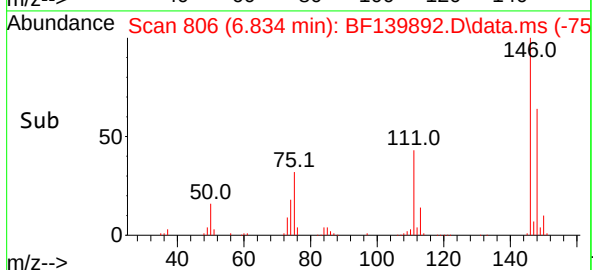
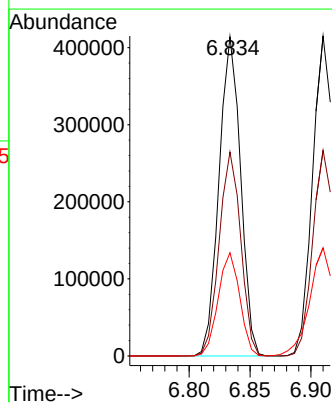
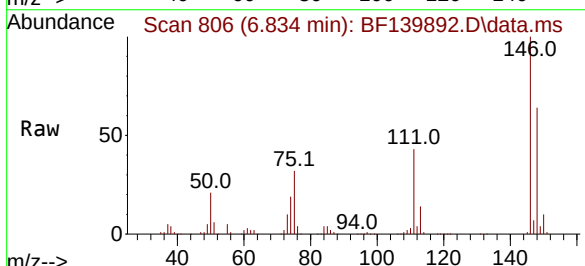
Tgt Ion:146 Resp: 511517

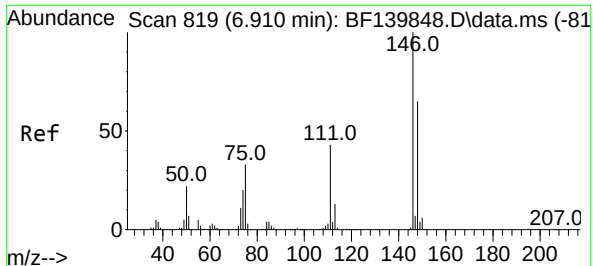
Ion Ratio Lower Upper

146 100

148 63.9 51.0 76.4

75 32.3 26.4 39.6





#13

1,4-Dichlorobenzene

Concen: 39.925 ng

RT: 6.910 min Scan# 819

Delta R.T. 0.000 min

Lab File: BF139892.D

Acq: 21 Oct 2024 09:57

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:146 Resp: 508709

Ion Ratio Lower Upper

146 100

148 64.3 51.8 77.8

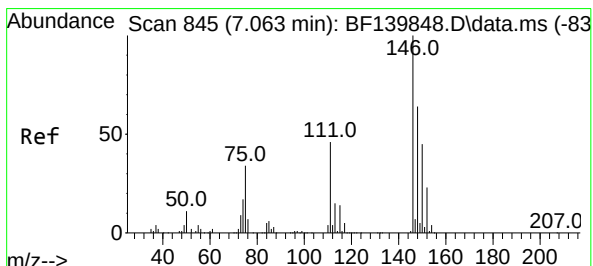
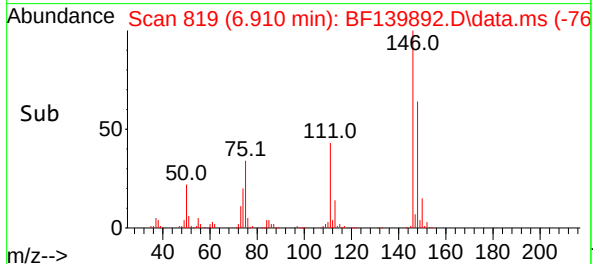
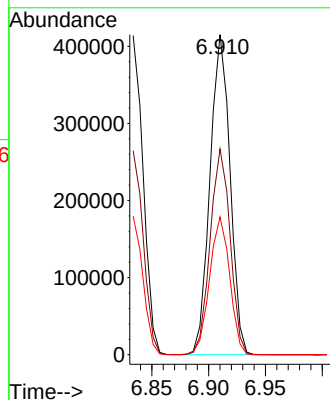
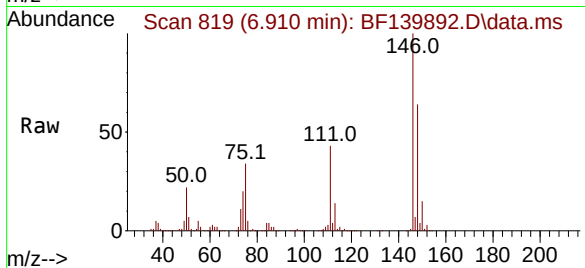
111 43.0 34.6 51.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/23/2024



#14

1,2-Dichlorobenzene

Concen: 39.898 ng

RT: 7.063 min Scan# 845

Delta R.T. 0.000 min

Lab File: BF139892.D

Acq: 21 Oct 2024 09:57

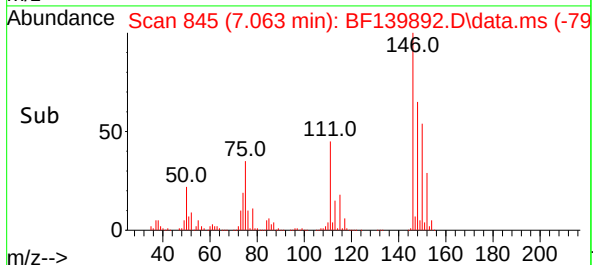
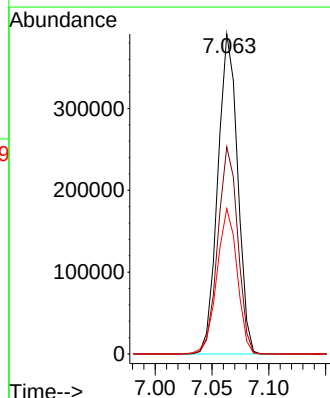
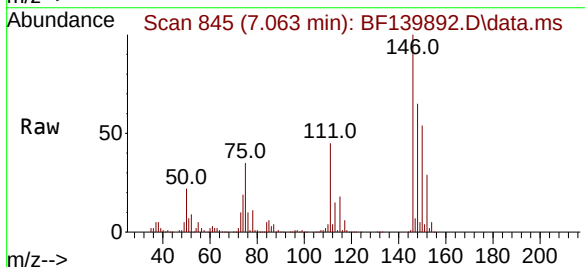
Tgt Ion:146 Resp: 474456

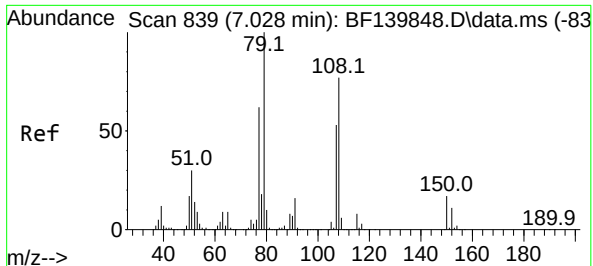
Ion Ratio Lower Upper

146 100

148 64.7 51.4 77.2

111 45.4 36.7 55.1





#15

Benzyl Alcohol

Concen: 40.037 ng

RT: 7.028 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF139892.D

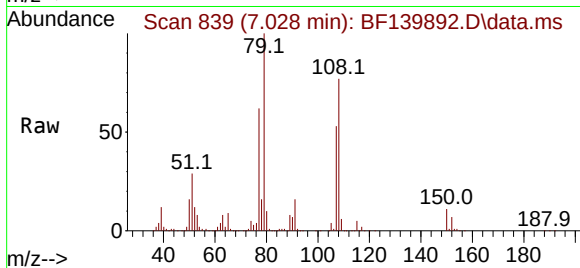
Acq: 21 Oct 2024 09:57

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

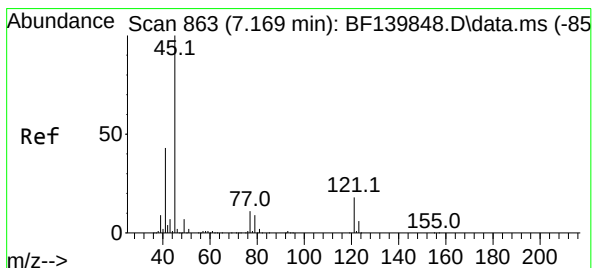
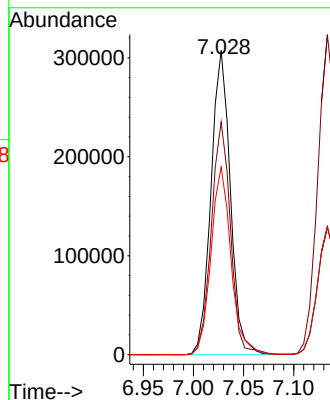
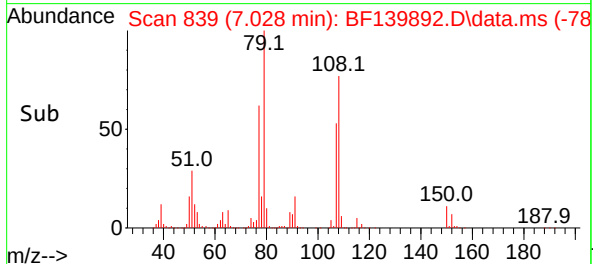


Tgt Ion: 79	Resp: 413380
Ion Ratio	Lower Upper
79 100	
108 76.6	61.4 92.0
77 61.7	49.9 74.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



#16

2,2'-oxybis(1-Chloropropane)

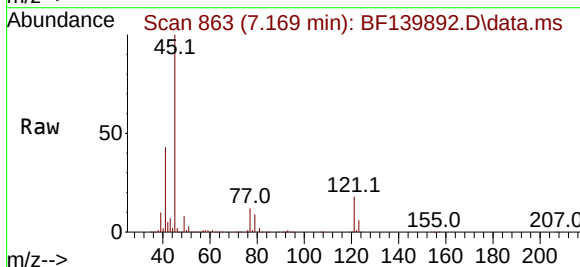
Concen: 39.162 ng

RT: 7.169 min Scan# 863

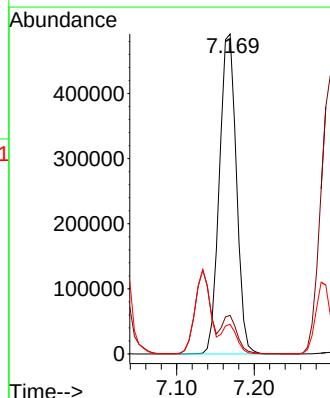
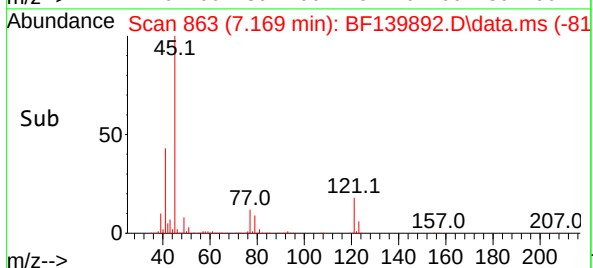
Delta R.T. 0.000 min

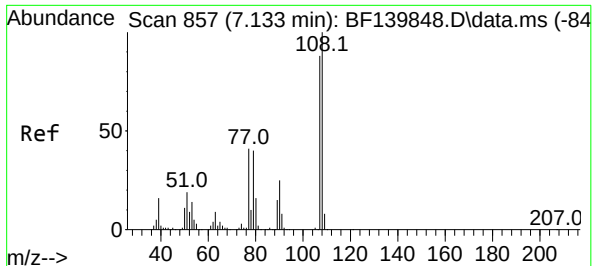
Lab File: BF139892.D

Acq: 21 Oct 2024 09:57



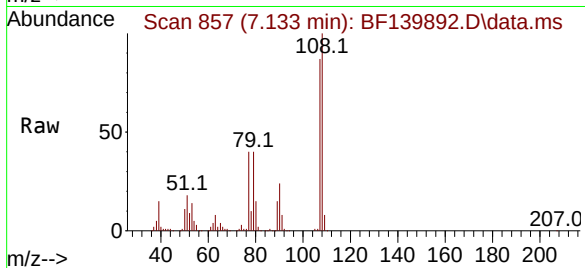
Tgt Ion: 45	Resp: 748982
Ion Ratio	Lower Upper
45 100	
77 12.0	0.0 31.5
79 9.3	0.0 29.1





#17
2-Methylphenol
Concen: 39.480 ng
RT: 7.133 min Scan# 857
Delta R.T. 0.000 min
Lab File: BF139892.D
Acq: 21 Oct 2024 09:57

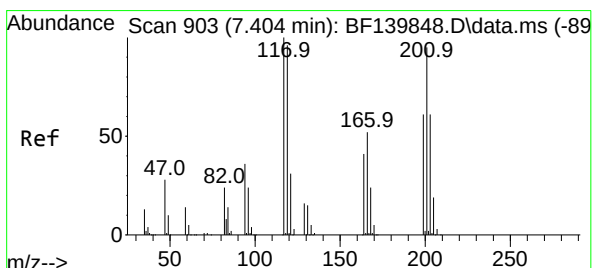
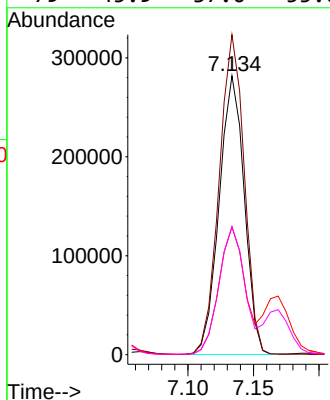
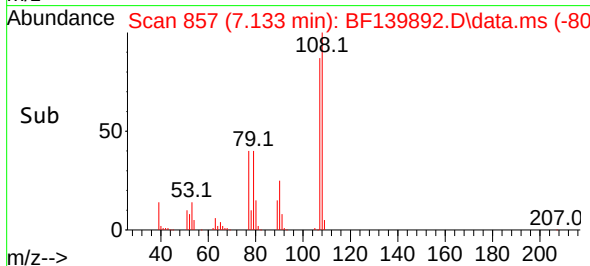
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:107 Resp: 374020
Ion Ratio Lower Upper
107 100
108 114.7 91.3 136.9
77 45.8 37.1 55.7
79 45.9 37.0 55.6

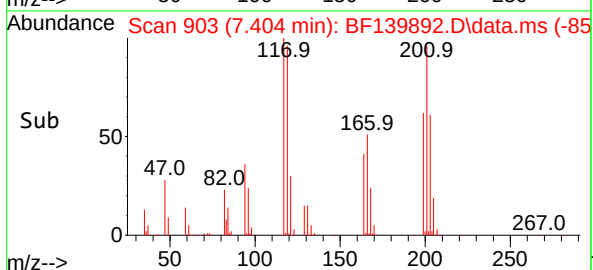
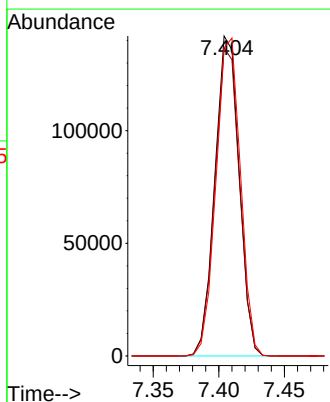
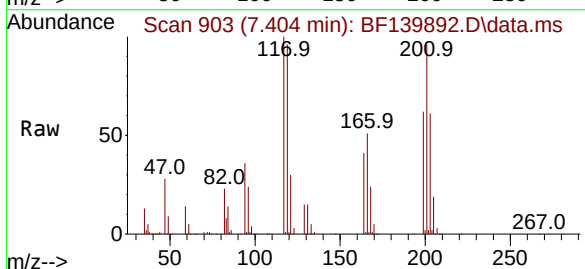
Manual Integrations
APPROVED

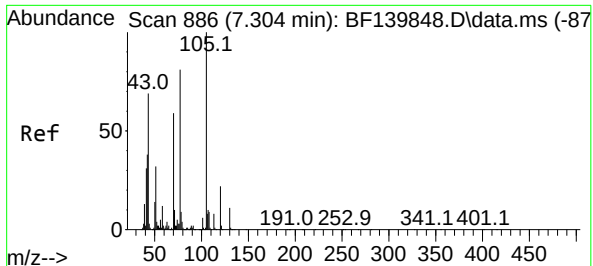
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



#18
Hexachloroethane
Concen: 40.341 ng
RT: 7.404 min Scan# 903
Delta R.T. 0.000 min
Lab File: BF139892.D
Acq: 21 Oct 2024 09:57

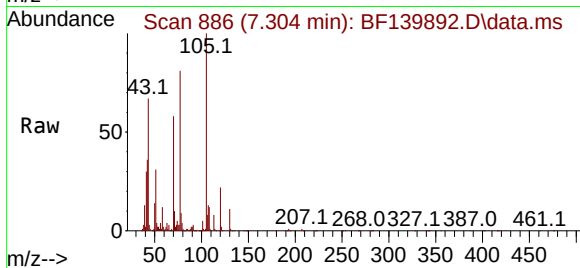
Tgt Ion:117 Resp: 183296
Ion Ratio Lower Upper
117 100
119 96.3 77.0 115.4
201 96.3 76.2 114.4





#19
n-Nitroso-di-n-propylamine
Concen: 38.473 ng
RT: 7.304 min Scan# 886
Delta R.T. 0.000 min
Lab File: BF139892.D
Acq: 21 Oct 2024 09:57

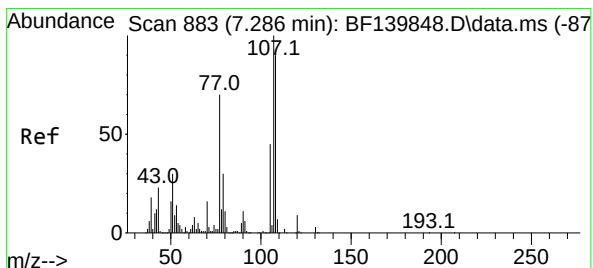
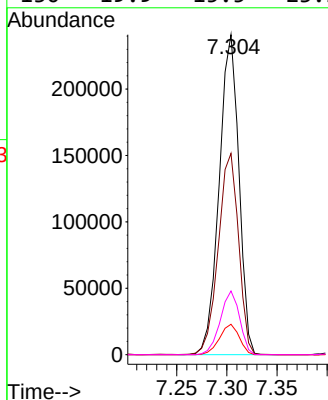
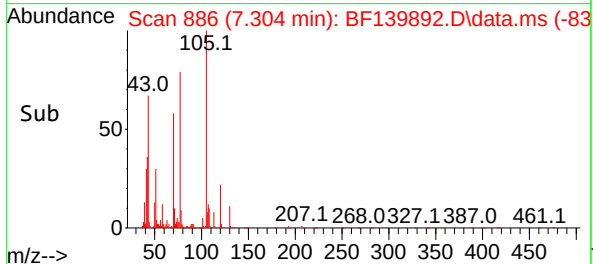
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion: 70 Resp: 328439
Ion Ratio Lower Upper
70 100
42 62.9 51.5 77.3
101 9.5 7.5 11.3
130 19.9 15.5 23.3

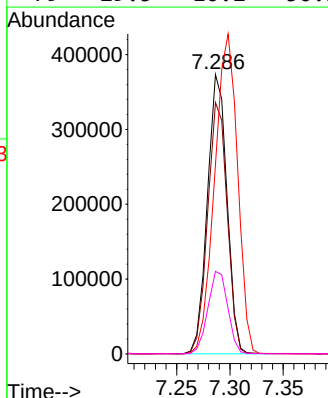
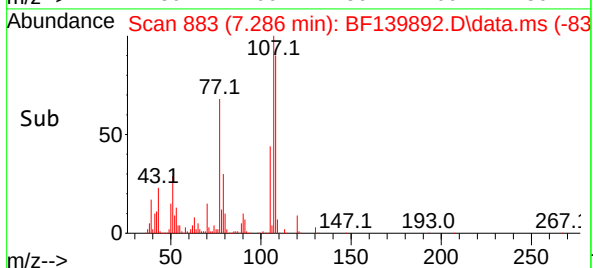
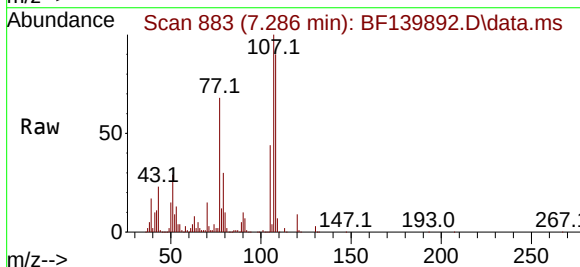
Manual Integrations
APPROVED

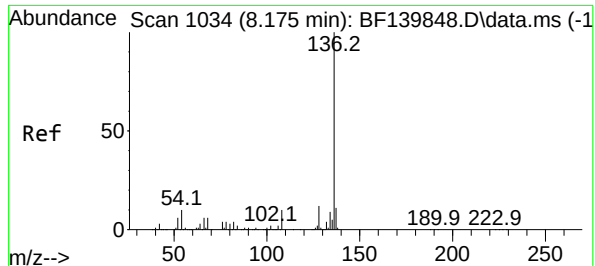
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



#20
3+4-Methylphenols
Concen: 39.267 ng
RT: 7.286 min Scan# 883
Delta R.T. 0.000 min
Lab File: BF139892.D
Acq: 21 Oct 2024 09:57

Tgt Ion:107 Resp: 475818
Ion Ratio Lower Upper
107 100
108 89.9 69.8 109.8
77 67.8 50.5 90.5
79 29.5 10.2 50.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.175 min Scan# 1034

Delta R.T. 0.000 min

Lab File: BF139892.D

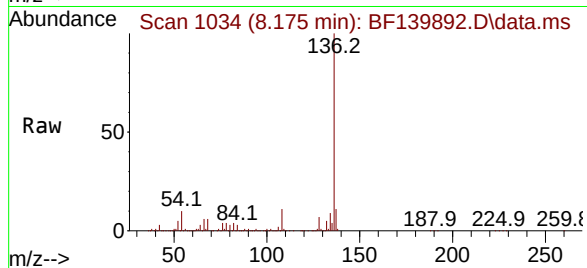
Acq: 21 Oct 2024 09:57

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:136 Resp: 645389

Ion Ratio Lower Upper

136 100

137 10.8 8.6 12.8

54 10.4 8.4 12.6

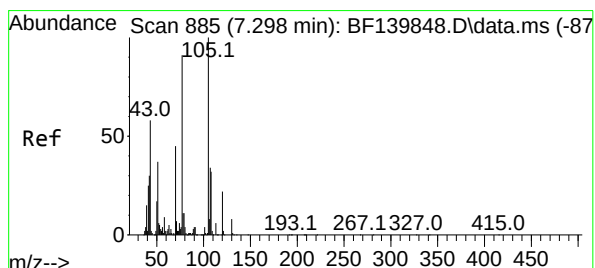
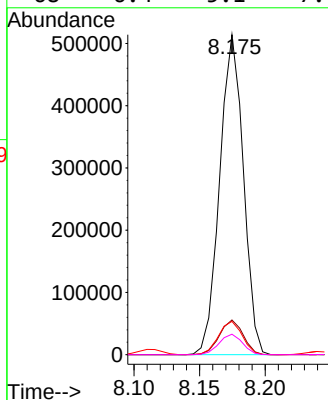
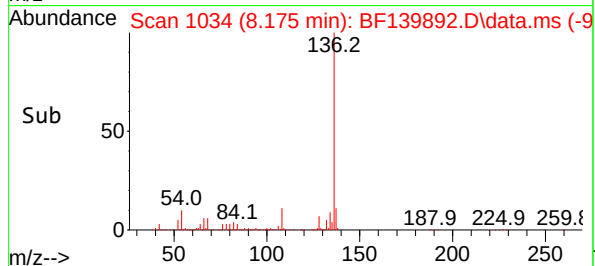
68 6.4 5.1 7.7

Manual Integrations

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Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/23/2024



#22

Acetophenone

Concen: 39.293 ng

RT: 7.298 min Scan# 885

Delta R.T. 0.000 min

Lab File: BF139892.D

Acq: 21 Oct 2024 09:57

Tgt Ion:105 Resp: 621128

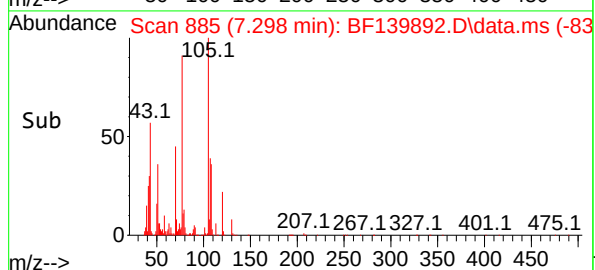
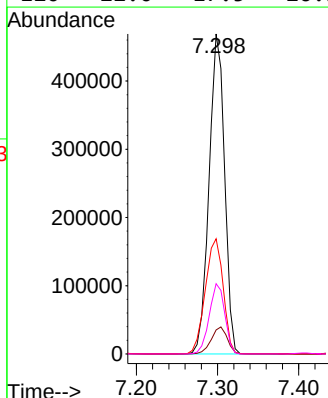
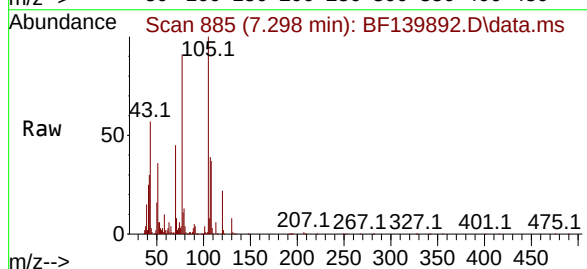
Ion Ratio Lower Upper

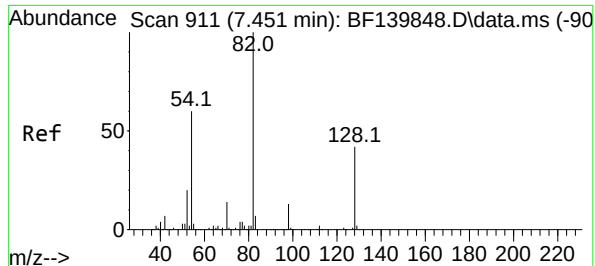
105 100

71 7.5 5.9 8.9

51 36.0 29.4 44.2

120 22.0 17.5 26.3





#23

Nitrobenzene-d5

Concen: 82.117 ng

RT: 7.451 min Scan# 911

Delta R.T. 0.000 min

Lab File: BF139892.D

Acq: 21 Oct 2024 09:57

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 82 Resp: 956220

Ion Ratio Lower Upper

82 100

128 41.3 33.4 50.0

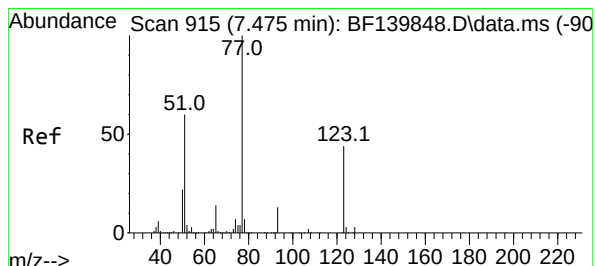
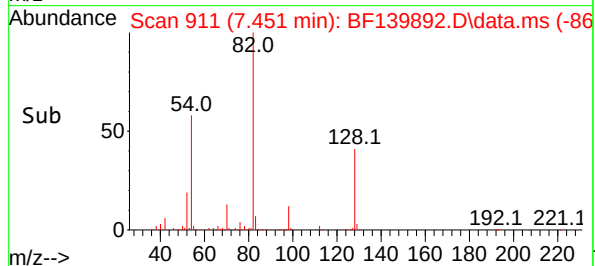
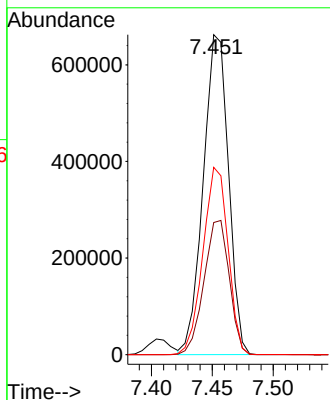
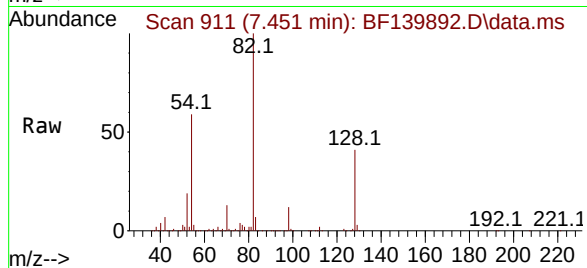
54 58.6 47.8 71.8

Manual Integrations

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Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/23/2024



#24

Nitrobenzene

Concen: 39.913 ng

RT: 7.475 min Scan# 915

Delta R.T. 0.000 min

Lab File: BF139892.D

Acq: 21 Oct 2024 09:57

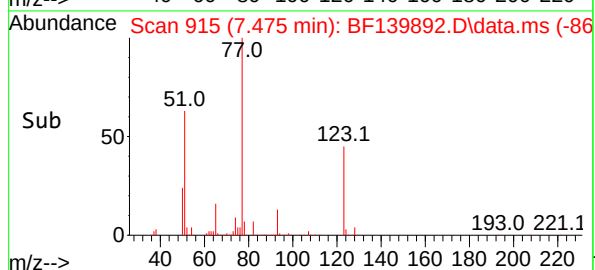
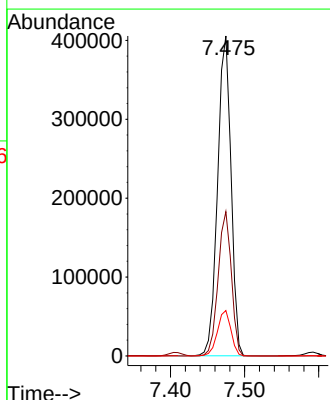
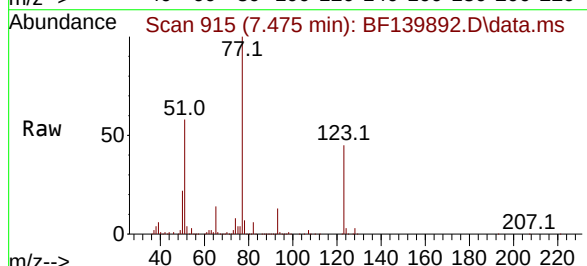
Tgt Ion: 77 Resp: 509579

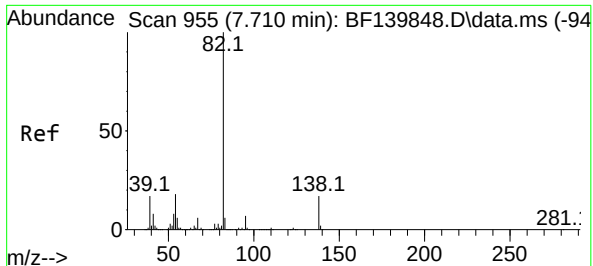
Ion Ratio Lower Upper

77 100

123 45.1 35.7 53.5

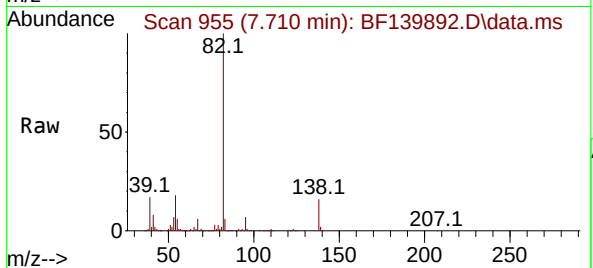
65 14.2 11.5 17.3





#25
Isophorone
Concen: 39.515 ng
RT: 7.710 min Scan# 955
Delta R.T. 0.000 min
Lab File: BF139892.D
Acq: 21 Oct 2024 09:57

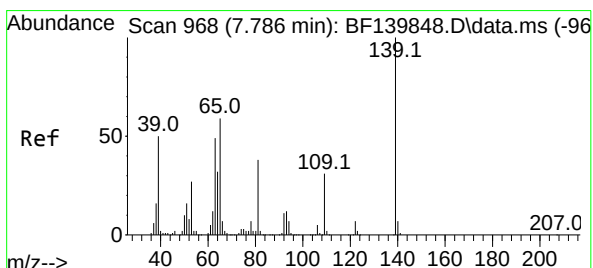
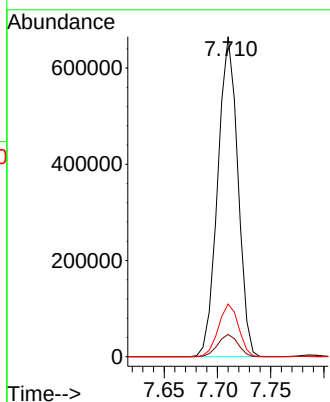
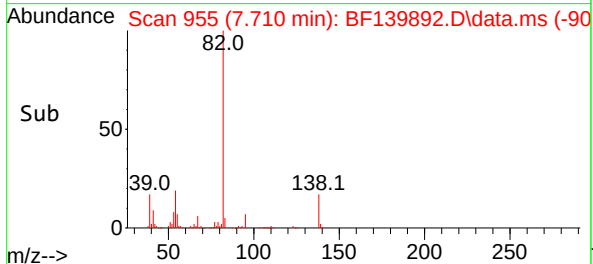
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion: 82 Resp: 87334
Ion Ratio Lower Upper
82 100
95 7.0 5.5 8.3
138 16.5 13.2 19.8

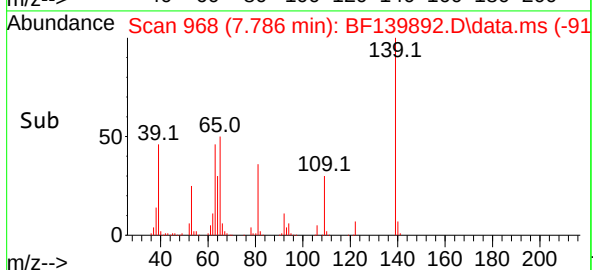
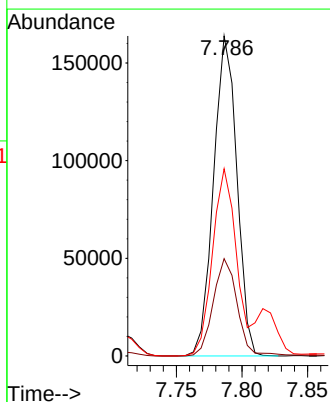
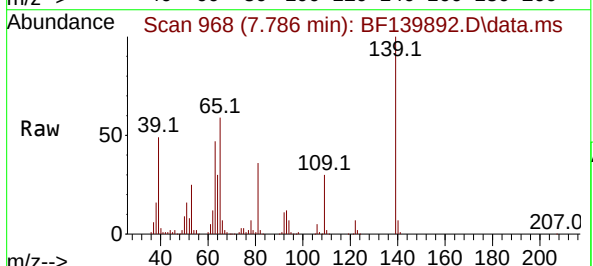
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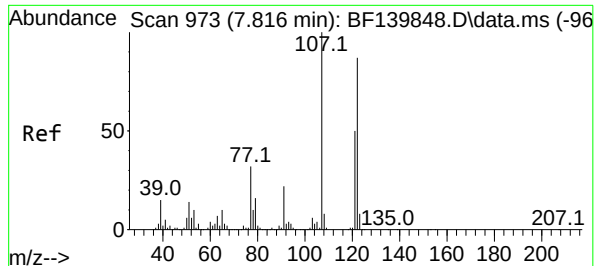
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



#26
2-Nitrophenol
Concen: 41.970 ng
RT: 7.786 min Scan# 968
Delta R.T. 0.000 min
Lab File: BF139892.D
Acq: 21 Oct 2024 09:57

Tgt Ion:139 Resp: 202148
Ion Ratio Lower Upper
139 100
109 30.4 25.1 37.7
65 58.5 47.5 71.3





#27

2,4-Dimethylphenol

Concen: 39.025 ng

RT: 7.816 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF139892.D

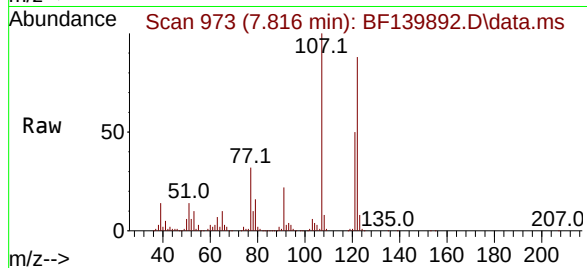
Acq: 21 Oct 2024 09:57

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:122 Resp: 31341

Ion Ratio Lower Upper

122 100

107 114.2 91.9 137.9

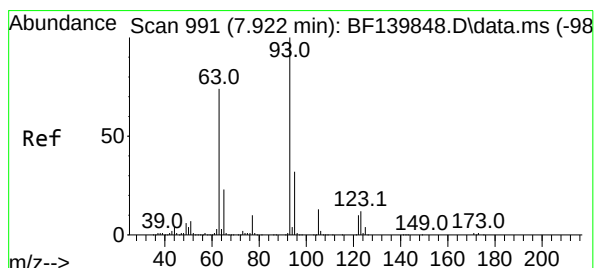
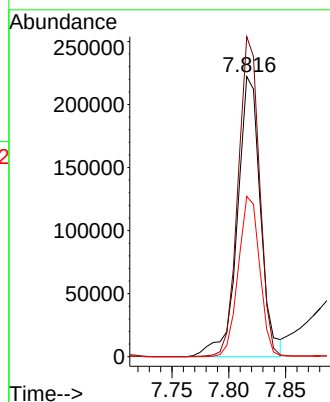
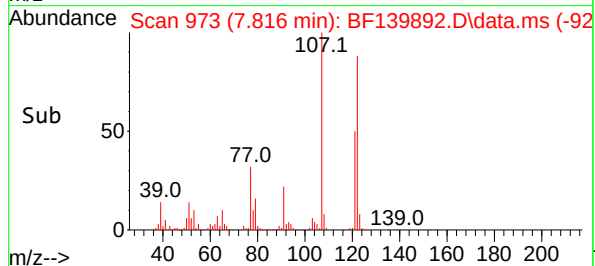
121 57.2 46.2 69.4

Manual Integrations

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Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/23/2024



#28

bis(2-Chloroethoxy)methane

Concen: 40.306 ng

RT: 7.922 min Scan# 991

Delta R.T. 0.000 min

Lab File: BF139892.D

Acq: 21 Oct 2024 09:57

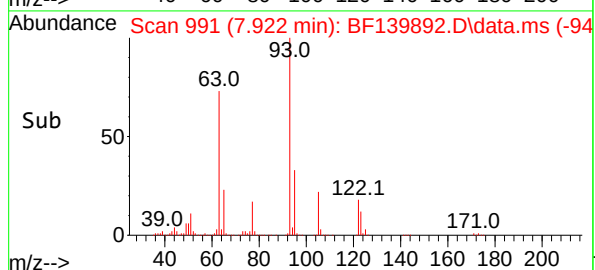
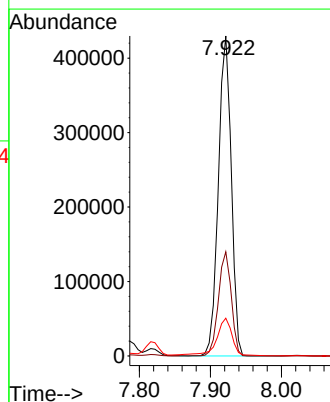
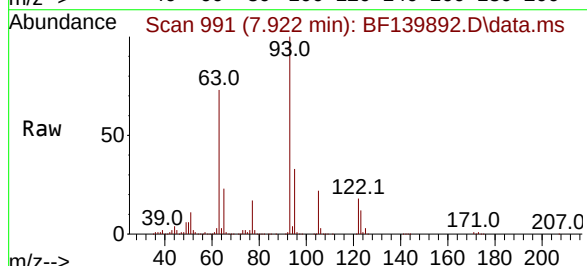
Tgt Ion: 93 Resp: 539718

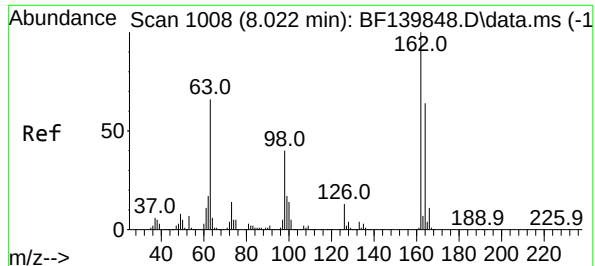
Ion Ratio Lower Upper

93 100

95 32.5 26.0 39.0

123 11.8 9.8 14.8





#29

2,4-Dichlorophenol

Concen: 40.400 ng

RT: 8.022 min Scan# 1008

Delta R.T. 0.000 min

Lab File: BF139892.D

Acq: 21 Oct 2024 09:57

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:162 Resp: 369560

Ion Ratio Lower Upper

162 100

164 63.3 43.9 83.9

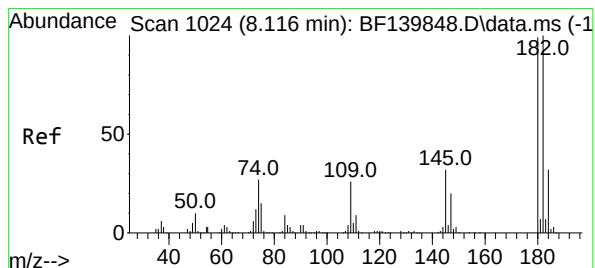
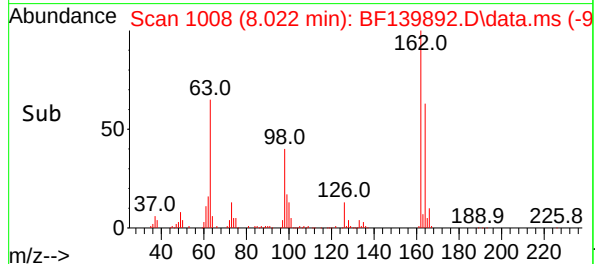
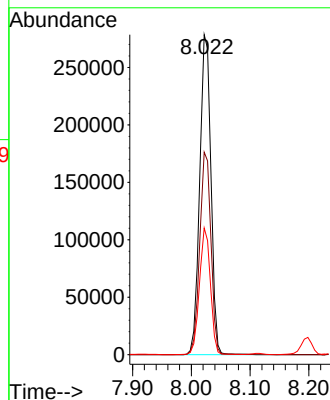
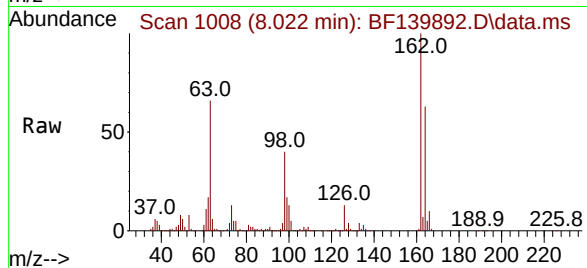
98 39.6 19.9 59.9

Manual Integrations

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Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/23/2024



#30

1,2,4-Trichlorobenzene

Concen: 40.386 ng

RT: 8.116 min Scan# 1024

Delta R.T. 0.000 min

Lab File: BF139892.D

Acq: 21 Oct 2024 09:57

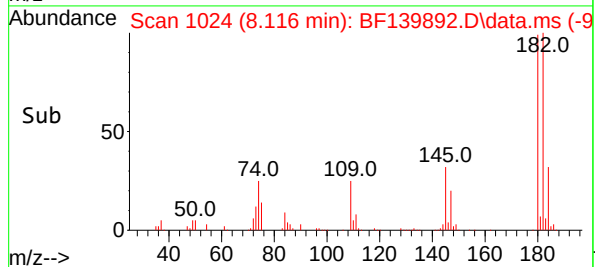
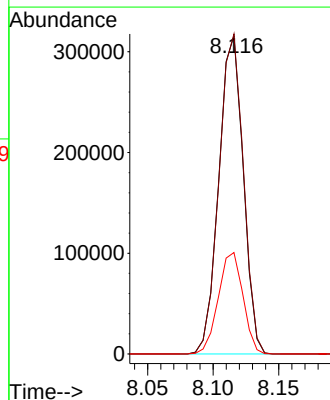
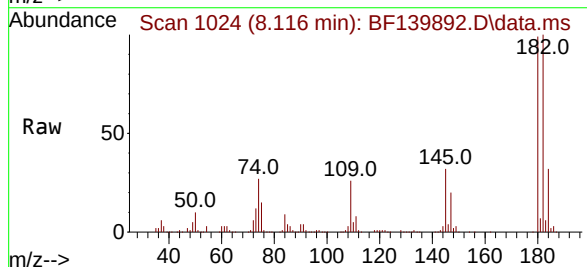
Tgt Ion:180 Resp: 408787

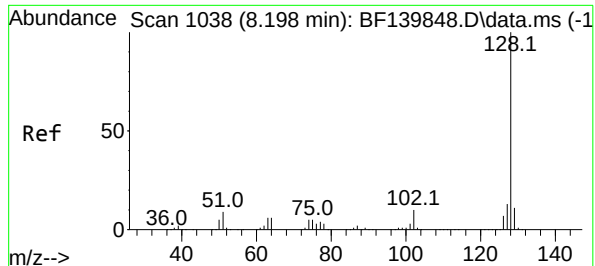
Ion Ratio Lower Upper

180 100

182 100.5 80.5 120.7

145 31.9 25.4 38.0





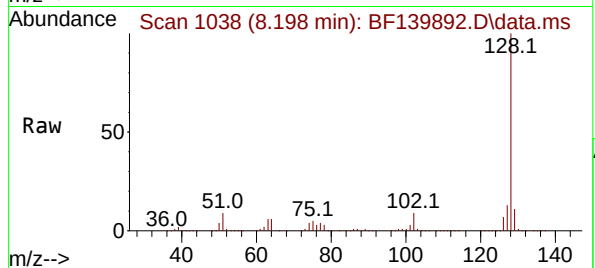
#31
Naphthalene
Concen: 39.773 ng
RT: 8.198 min Scan# 1038
Delta R.T. 0.000 min
Lab File: BF139892.D
Acq: 21 Oct 2024 09:57

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

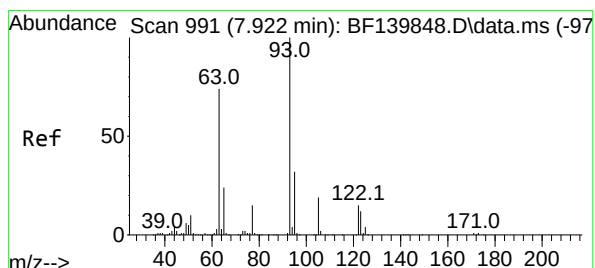
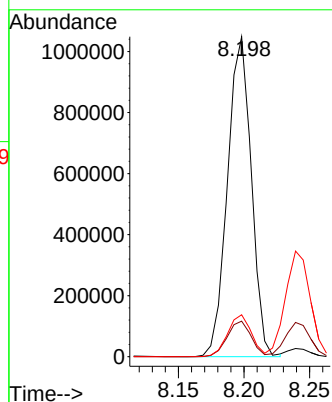
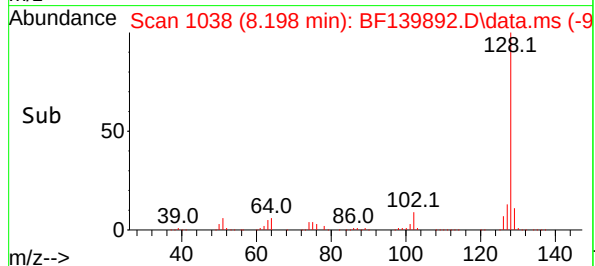


Tgt Ion:128 Resp: 132385
Ion Ratio Lower Upper
128 100
129 11.1 8.9 13.3
127 13.1 10.6 16.0

Manual Integrations

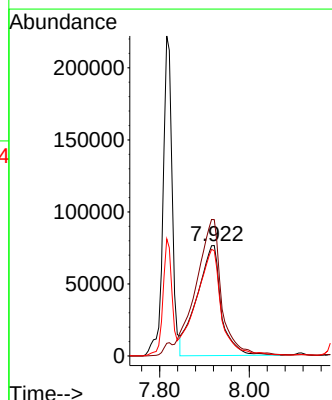
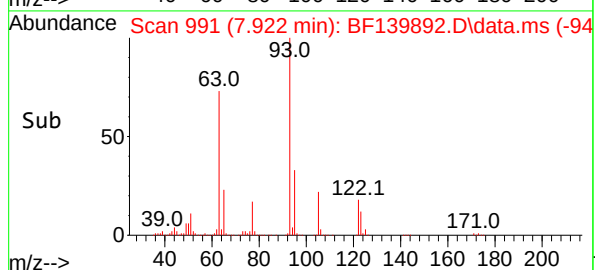
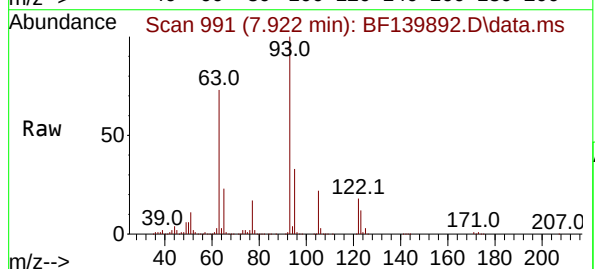
APPROVED

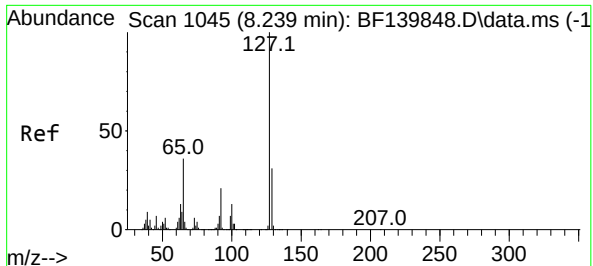
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



#32
Benzoic acid
Concen: 40.954 ng
RT: 7.922 min Scan# 991
Delta R.T. -0.000 min
Lab File: BF139892.D
Acq: 21 Oct 2024 09:57

Tgt Ion:122 Resp: 286875
Ion Ratio Lower Upper
122 100
105 123.5 107.6 147.6
77 95.3 80.2 120.2





#33

4-Chloroaniline

Concen: 40.298 ng

RT: 8.239 min Scan# 1045

Delta R.T. 0.000 min

Lab File: BF139892.D

Acq: 21 Oct 2024 09:57

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:127 Resp: 45738

Ion Ratio Lower Upper

127 100

129 32.5 25.4 38.2

65 35.6 28.4 42.6

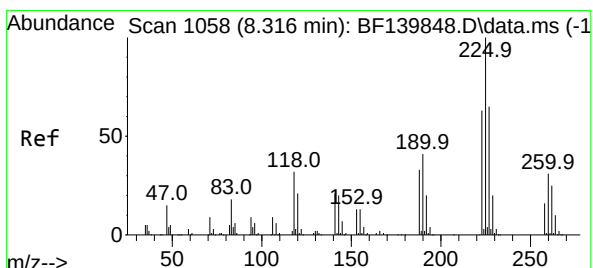
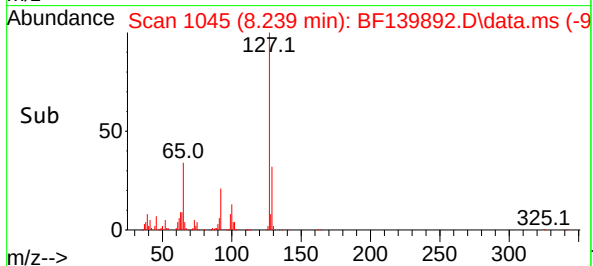
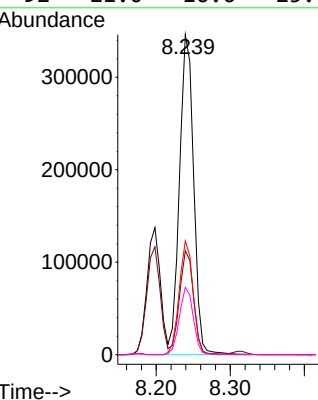
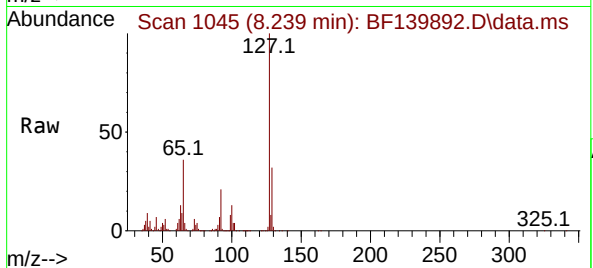
92 21.0 16.6 25.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/23/2024



#34

Hexachlorobutadiene

Concen: 41.056 ng

RT: 8.316 min Scan# 1058

Delta R.T. 0.000 min

Lab File: BF139892.D

Acq: 21 Oct 2024 09:57

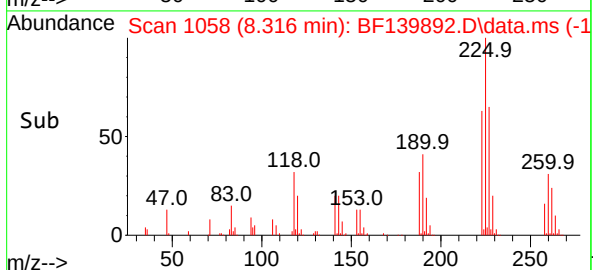
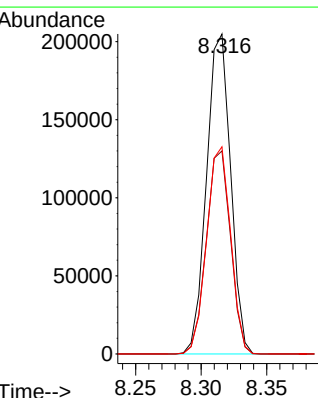
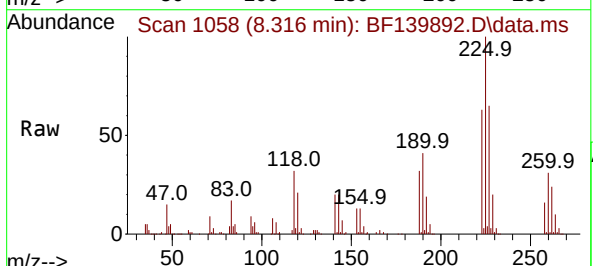
Tgt Ion:225 Resp: 261109

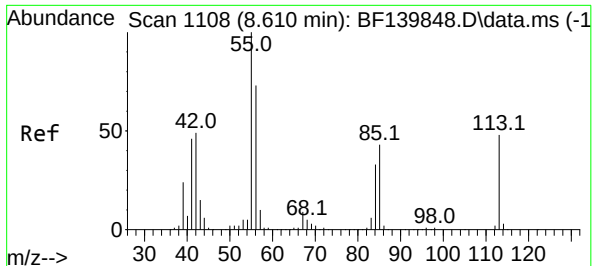
Ion Ratio Lower Upper

225 100

223 63.4 50.6 76.0

227 64.8 51.8 77.8





#35

Caprolactam

Concen: 37.820 ng

RT: 8.610 min Scan# 1108

Delta R.T. 0.000 min

Lab File: BF139892.D

Acq: 21 Oct 2024 09:57

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:113 Resp: 110000

Ion Ratio Lower Upper

113 100

55 196.8 189.2 229.2

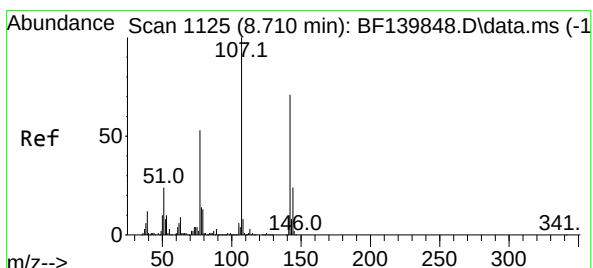
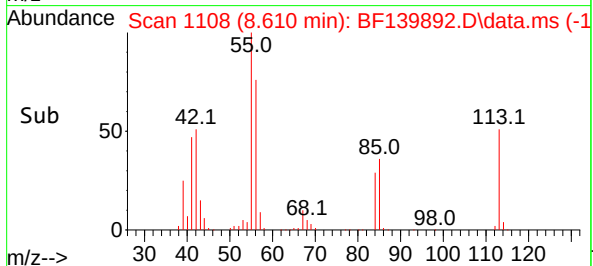
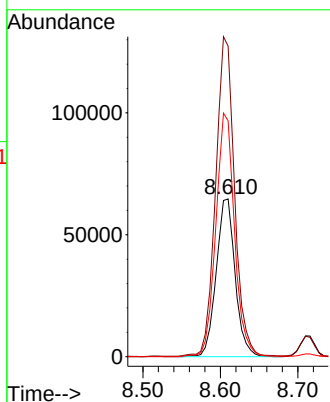
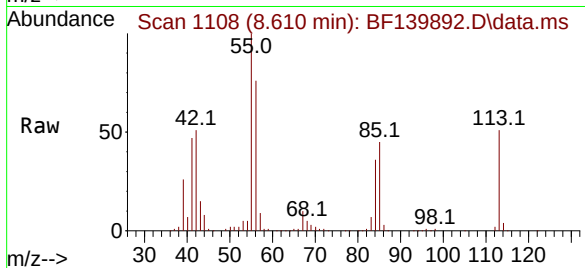
56 149.5 132.5 172.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/23/2024



#36

4-Chloro-3-methylphenol

Concen: 39.613 ng

RT: 8.710 min Scan# 1125

Delta R.T. 0.000 min

Lab File: BF139892.D

Acq: 21 Oct 2024 09:57

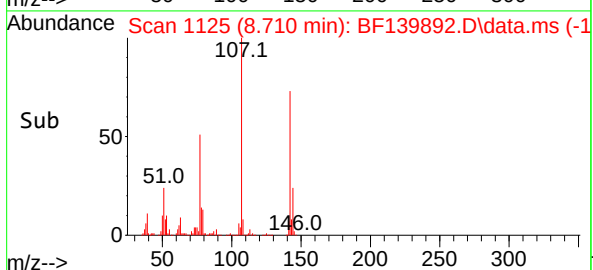
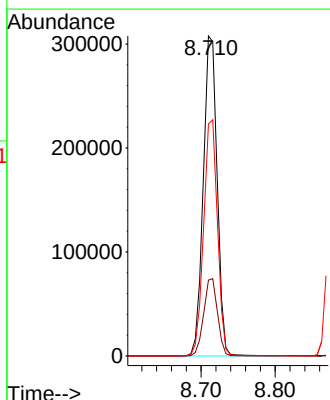
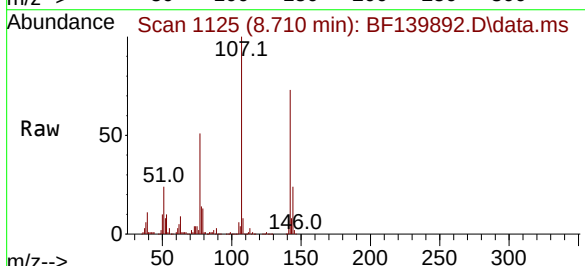
Tgt Ion:107 Resp: 401252

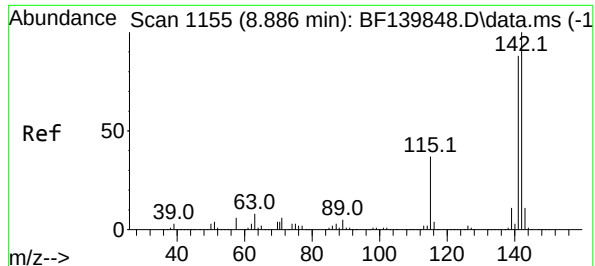
Ion Ratio Lower Upper

107 100

144 23.7 19.1 28.7

142 72.5 57.2 85.8





#37

2-Methylnaphthalene

Concen: 39.678 ng

RT: 8.886 min Scan# 1155

Delta R.T. 0.000 min

Lab File: BF139892.D

Acq: 21 Oct 2024 09:57

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:142 Resp: 80884

Ion Ratio Lower Upper

142 100

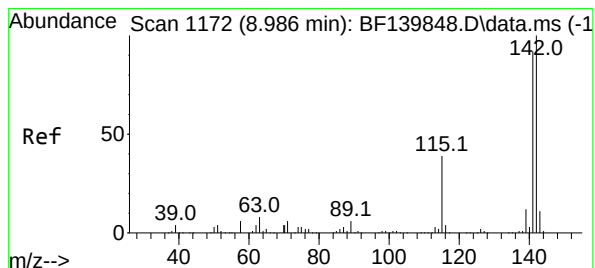
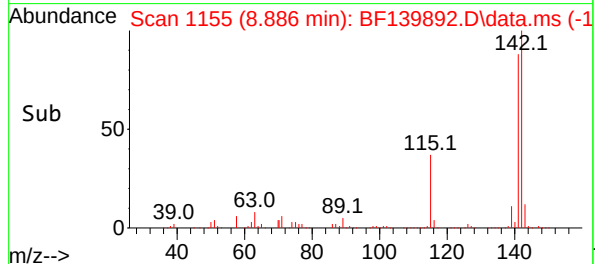
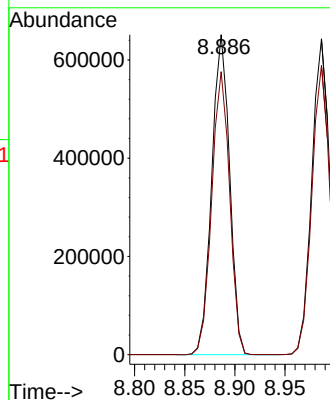
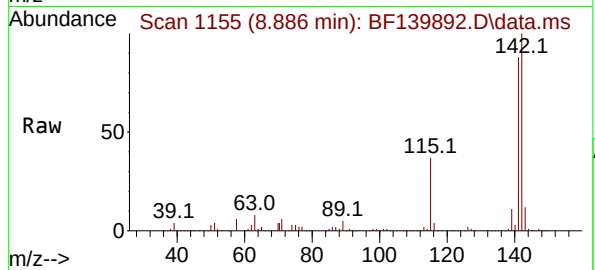
141 88.4 70.8 106.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/23/2024



#38

1-Methylnaphthalene

Concen: 39.646 ng

RT: 8.986 min Scan# 1172

Delta R.T. 0.000 min

Lab File: BF139892.D

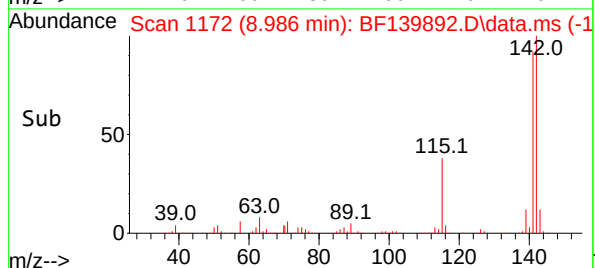
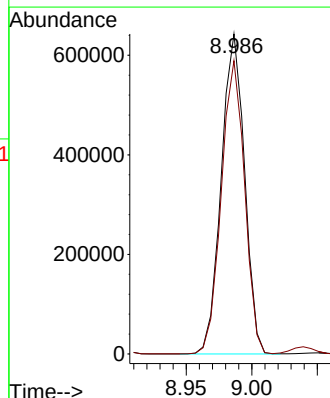
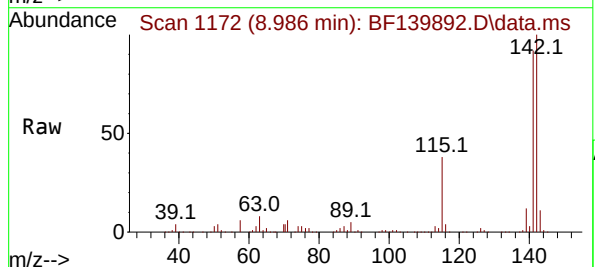
Acq: 21 Oct 2024 09:57

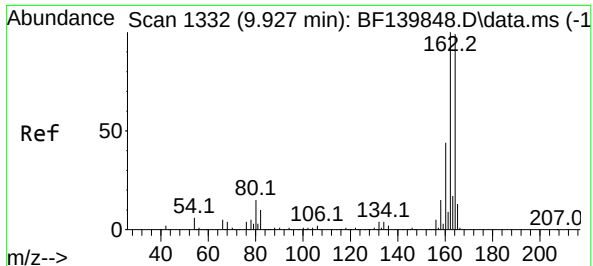
Tgt Ion:142 Resp: 792930

Ion Ratio Lower Upper

142 100

141 91.7 73.5 110.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.927 min Scan# 1183

Delta R.T. 0.000 min

Lab File: BF139892.D

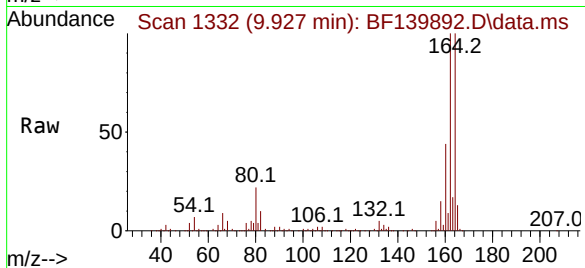
Acq: 21 Oct 2024 09:57

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:164 Resp: 355580

Ion Ratio Lower Upper

164 100

162 99.5 81.0 121.4

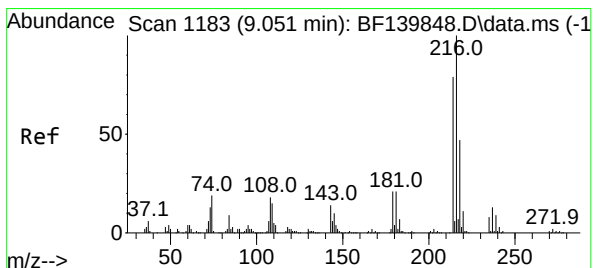
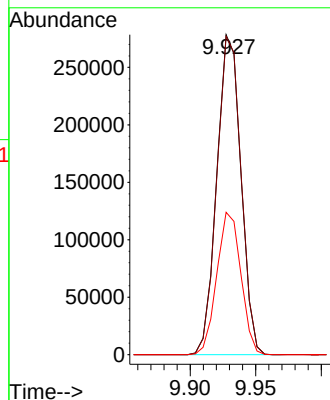
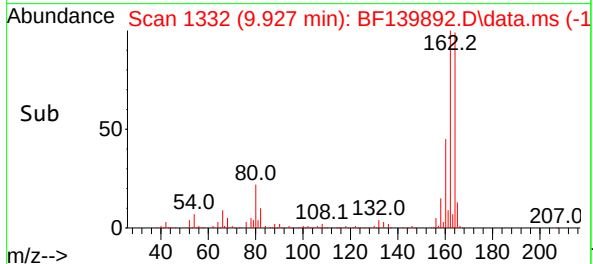
160 44.5 35.4 53.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/23/2024



#40

1,2,4,5-Tetrachlorobenzene

Concen: 40.887 ng

RT: 9.051 min Scan# 1183

Delta R.T. 0.000 min

Lab File: BF139892.D

Acq: 21 Oct 2024 09:57

Tgt Ion:216 Resp: 392227

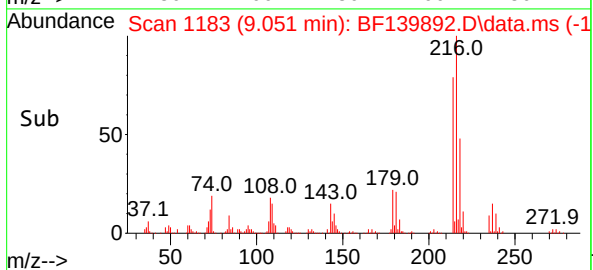
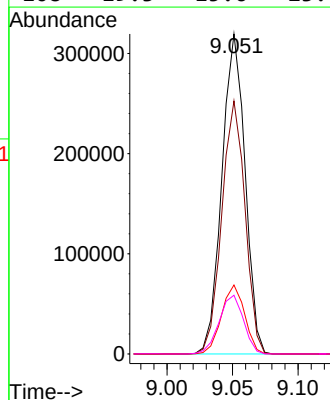
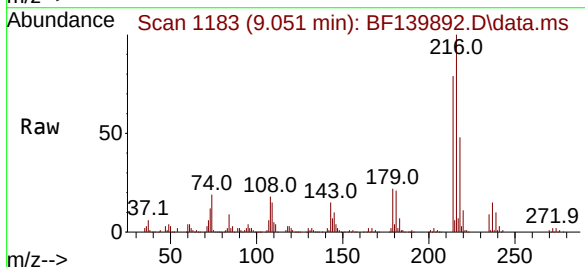
Ion Ratio Lower Upper

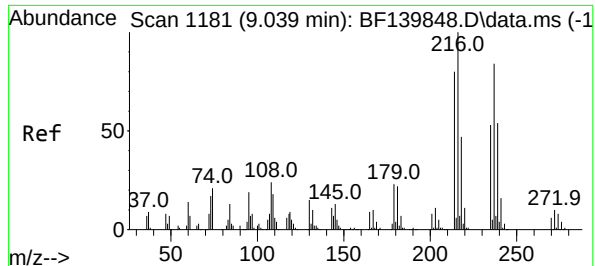
216 100

214 79.1 63.4 95.0

179 21.6 17.2 25.8

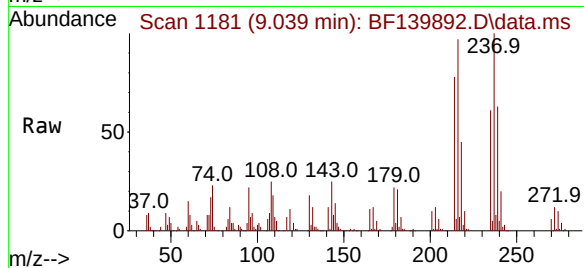
108 19.3 15.6 23.4





#41
Hexachlorocyclopentadiene
Concen: 44.558 ng
RT: 9.039 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BF139892.D
Acq: 21 Oct 2024 09:57

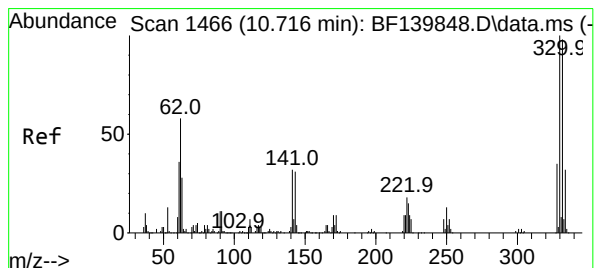
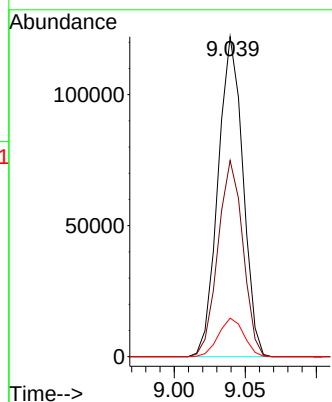
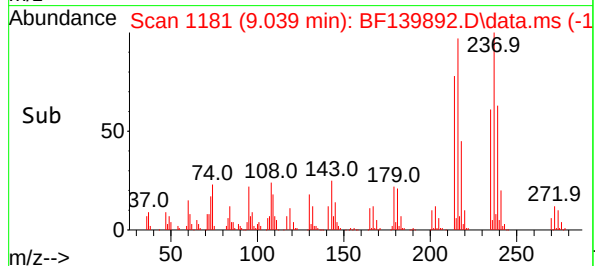
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



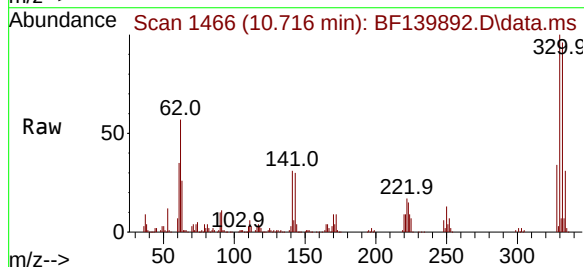
Tgt Ion: 237 Resp: 148729
Ion Ratio Lower Upper
237 100
235 61.3 42.9 82.9
272 12.0 0.0 32.3

Manual Integrations
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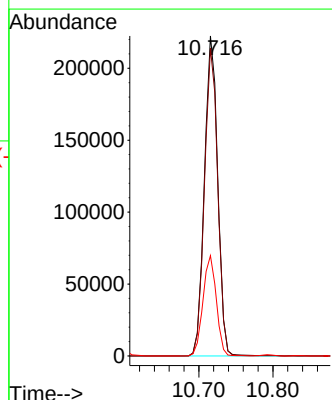
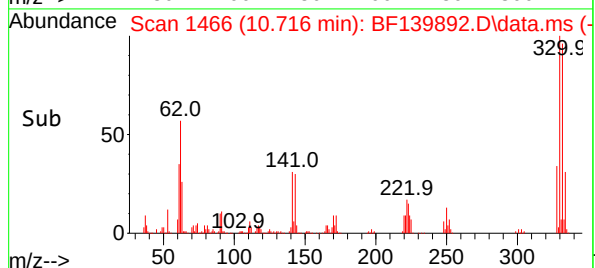
Reviewed By : Yogesh Patel 10/22/2024
Supervised By : mohammad ahmed 10/23/2024

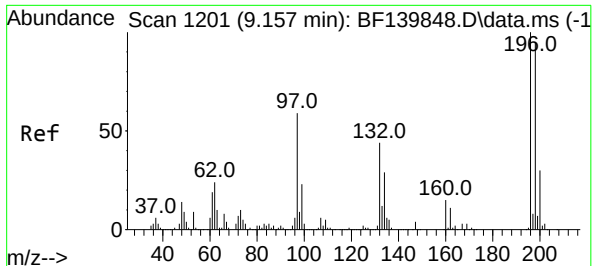


#42
2,4,6-Tribromophenol
Concen: 83.258 ng
RT: 10.716 min Scan# 1466
Delta R.T. 0.000 min
Lab File: BF139892.D
Acq: 21 Oct 2024 09:57



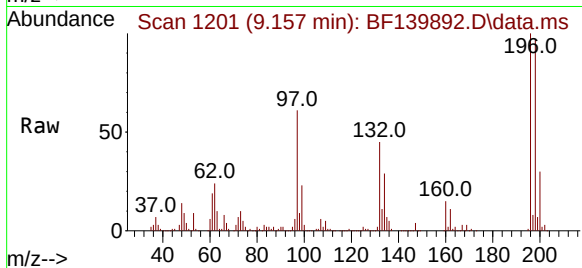
Tgt Ion: 330 Resp: 276916
Ion Ratio Lower Upper
330 100
332 96.3 78.1 117.1
141 31.5 26.6 39.8





#43
2,4,6-Trichlorophenol
Concen: 39.547 ng
RT: 9.157 min Scan# 1201
Delta R.T. 0.000 min
Lab File: BF139892.D
Acq: 21 Oct 2024 09:57

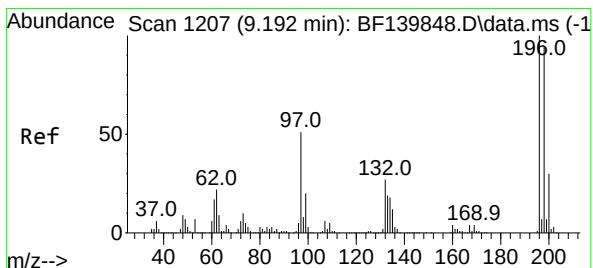
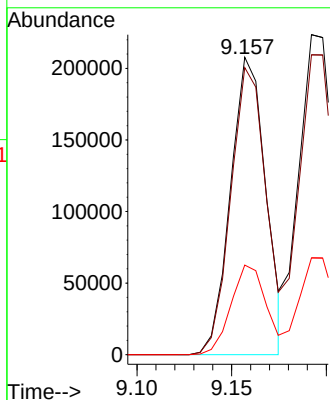
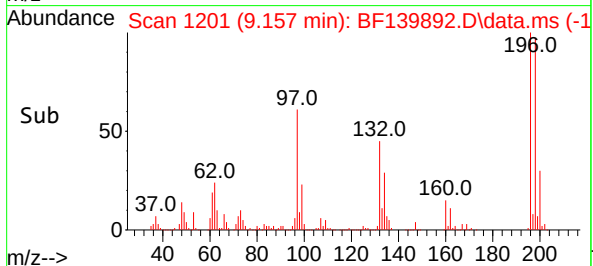
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:196 Resp: 268594
Ion Ratio Lower Upper
196 100
198 96.5 76.2 114.2
200 30.1 24.0 36.0

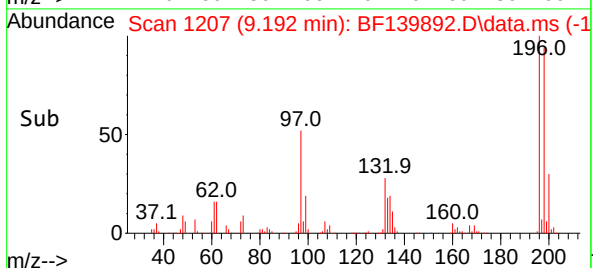
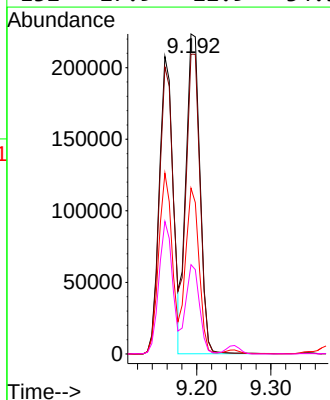
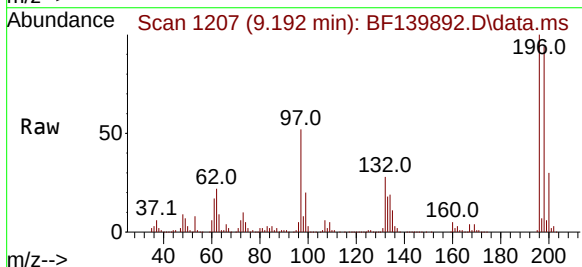
Manual Integrations
APPROVED

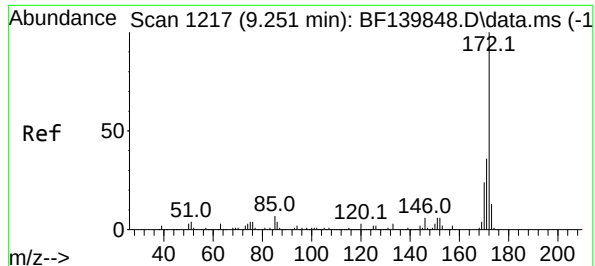
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



#44
2,4,5-Trichlorophenol
Concen: 42.112 ng
RT: 9.192 min Scan# 1207
Delta R.T. 0.000 min
Lab File: BF139892.D
Acq: 21 Oct 2024 09:57

Tgt Ion:196 Resp: 295085
Ion Ratio Lower Upper
196 100
198 93.7 75.8 113.6
97 51.8 41.8 62.6
132 27.9 22.9 34.3





#45

2-Fluorobiphenyl

Concen: 78.147 ng

RT: 9.251 min Scan# 1217

Delta R.T. 0.000 min

Lab File: BF139892.D

Acq: 21 Oct 2024 09:57

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:172 Resp: 168133

Ion Ratio Lower Upper

172 100

171 35.9 28.6 43.0

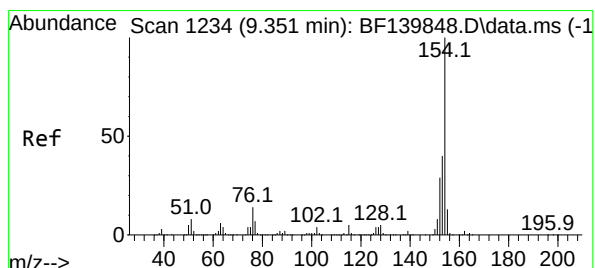
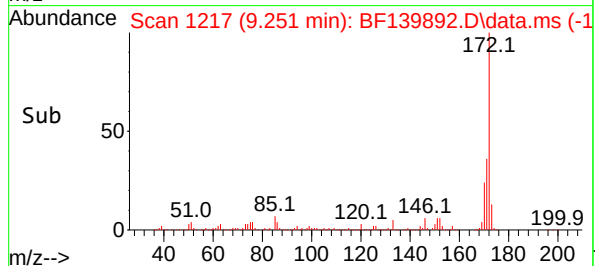
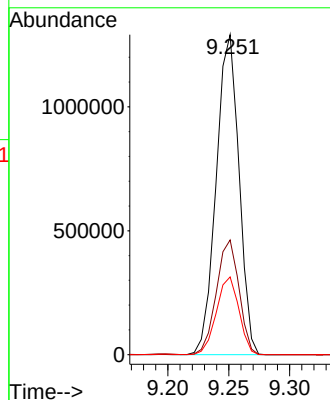
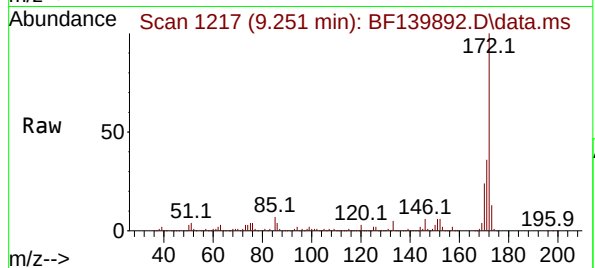
170 24.3 19.1 28.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/23/2024



#46

1,1'-Biphenyl

Concen: 40.220 ng

RT: 9.351 min Scan# 1234

Delta R.T. 0.000 min

Lab File: BF139892.D

Acq: 21 Oct 2024 09:57

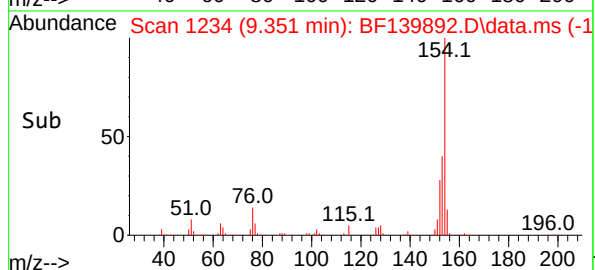
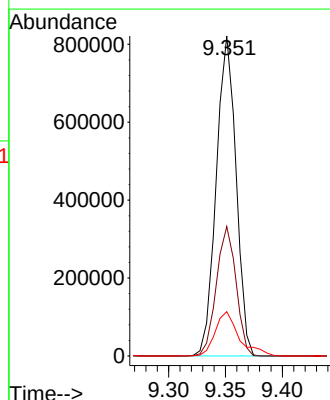
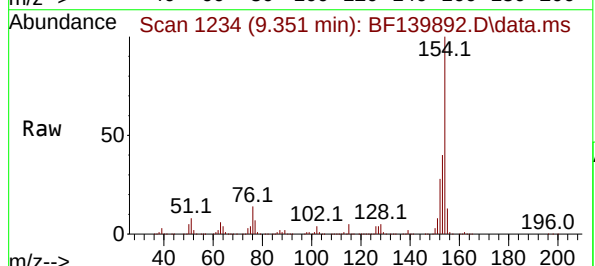
Tgt Ion:154 Resp: 995589

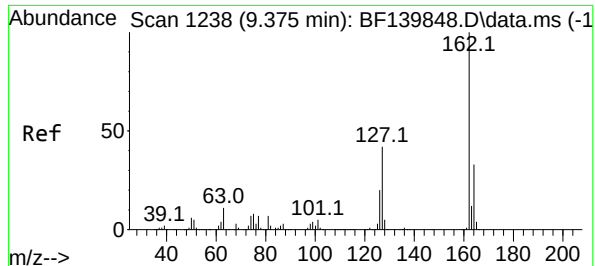
Ion Ratio Lower Upper

154 100

153 40.4 20.3 60.3

76 13.9 0.0 33.9





#47

2-Chloronaphthalene

Concen: 40.122 ng

RT: 9.375 min Scan# 1238

Delta R.T. 0.000 min

Lab File: BF139892.D

Acq: 21 Oct 2024 09:57

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:162 Resp: 799914

Ion Ratio Lower Upper

162 100

127 42.3 33.8 50.6

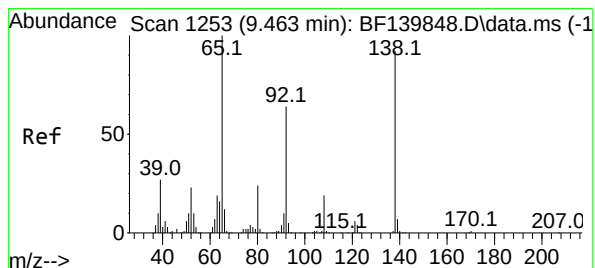
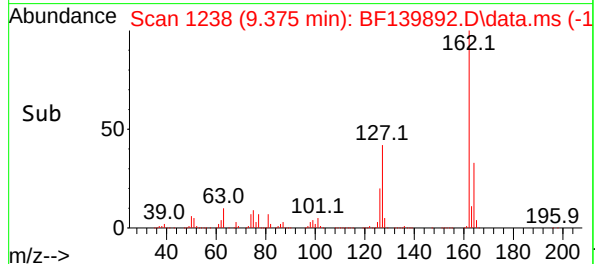
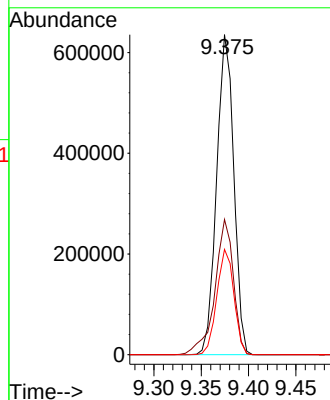
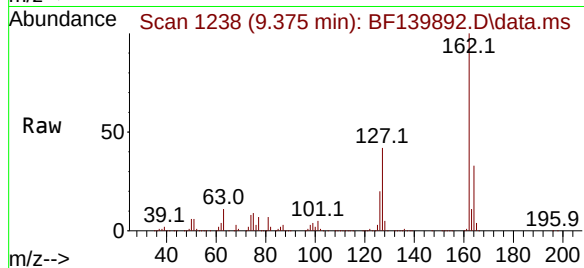
164 32.9 26.6 39.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/23/2024



#48

2-Nitroaniline

Concen: 41.264 ng

RT: 9.469 min Scan# 1254

Delta R.T. 0.006 min

Lab File: BF139892.D

Acq: 21 Oct 2024 09:57

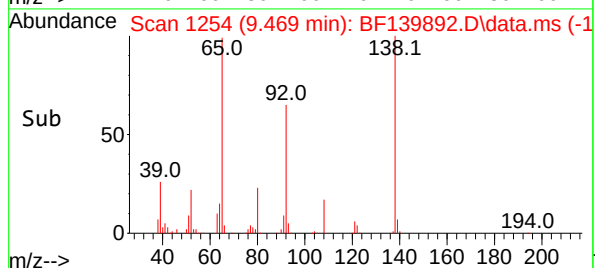
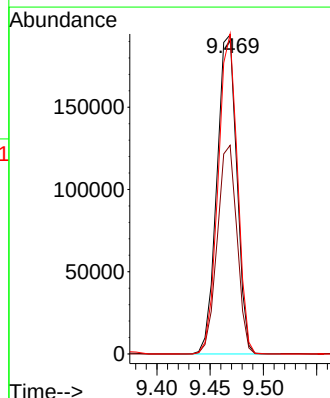
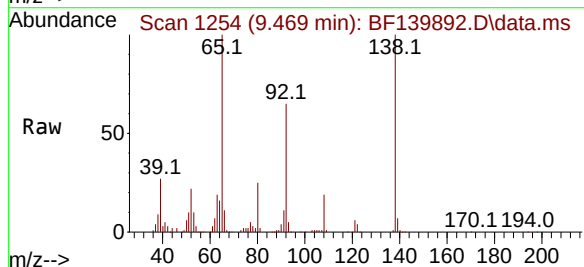
Tgt Ion: 65 Resp: 251607

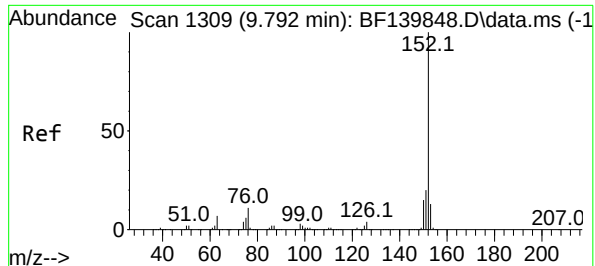
Ion Ratio Lower Upper

65 100

92 65.3 50.9 76.3

138 100.2 73.4 110.0





#49

Acenaphthylene

Concen: 39.833 ng

RT: 9.792 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF139892.D

Acq: 21 Oct 2024 09:57

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:152 Resp: 1148104

Ion Ratio Lower Upper

152 100

151 20.3 15.9 23.9

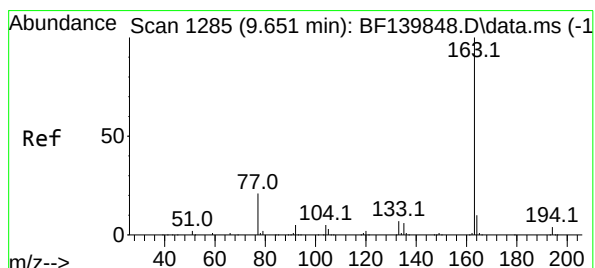
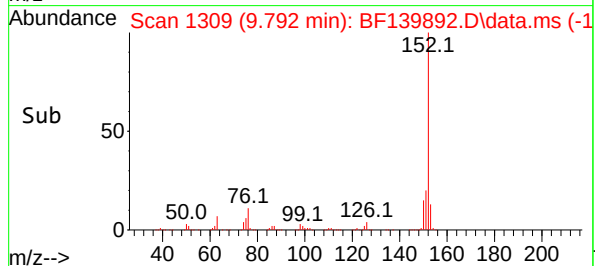
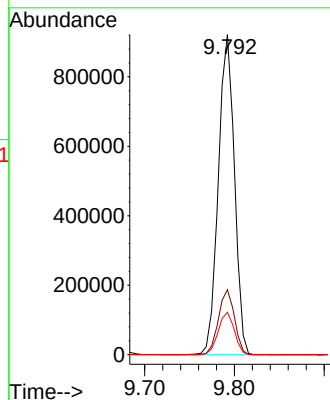
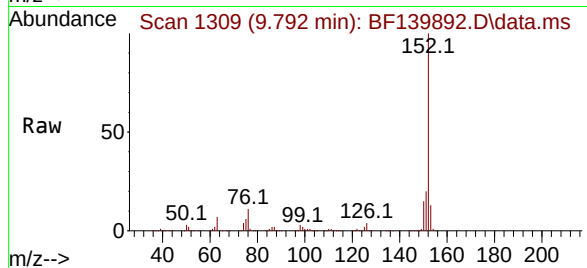
153 13.2 10.7 16.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/23/2024



#50

Dimethylphthalate

Concen: 39.724 ng

RT: 9.651 min Scan# 1285

Delta R.T. 0.000 min

Lab File: BF139892.D

Acq: 21 Oct 2024 09:57

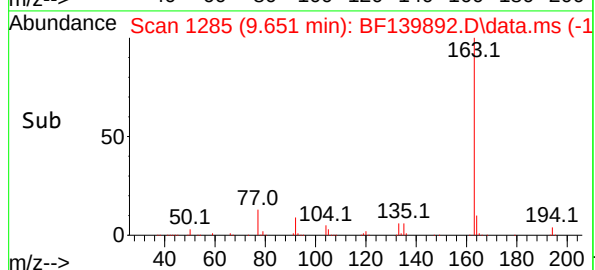
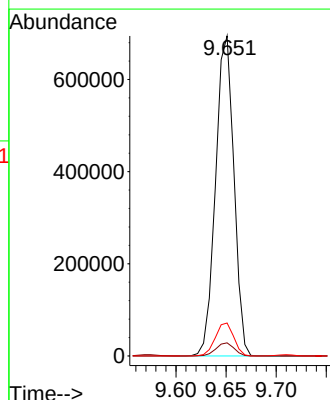
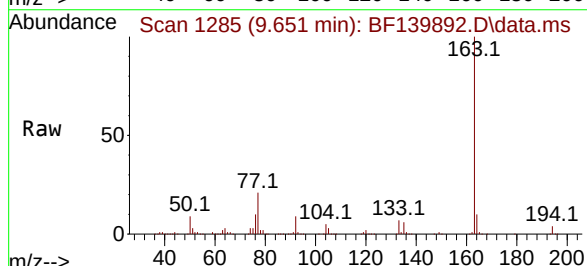
Tgt Ion:163 Resp: 879827

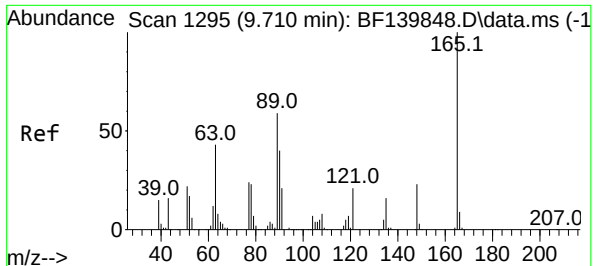
Ion Ratio Lower Upper

163 100

194 4.1 3.4 5.0

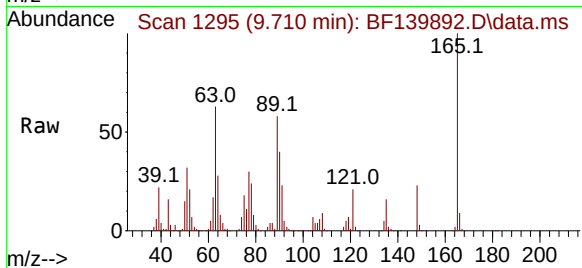
164 10.3 8.2 12.2





#51
2,6-Dinitrotoluene
Concen: 40.767 ng
RT: 9.710 min Scan# 1295
Delta R.T. 0.000 min
Lab File: BF139892.D
Acq: 21 Oct 2024 09:57

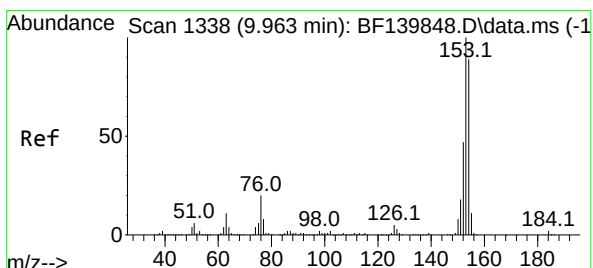
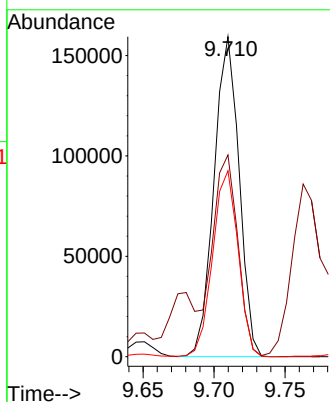
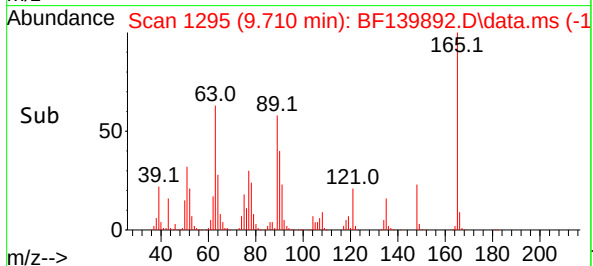
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:165 Resp: 195500
Ion Ratio Lower Upper
165 100
63 63.1 50.6 75.8
89 58.1 47.5 71.3

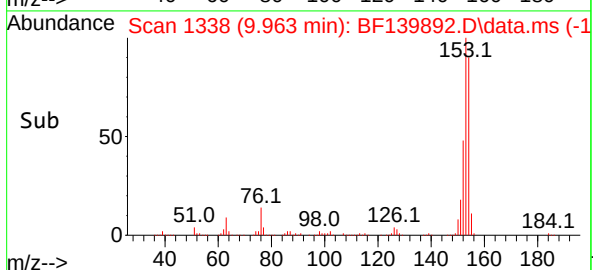
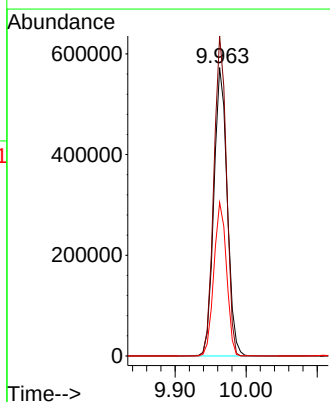
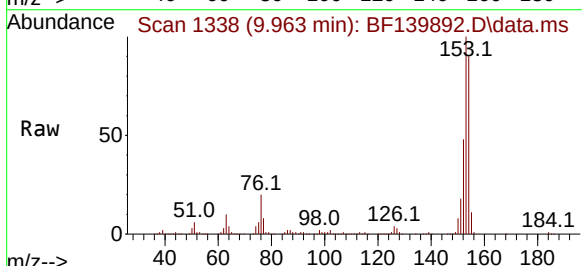
Manual Integrations
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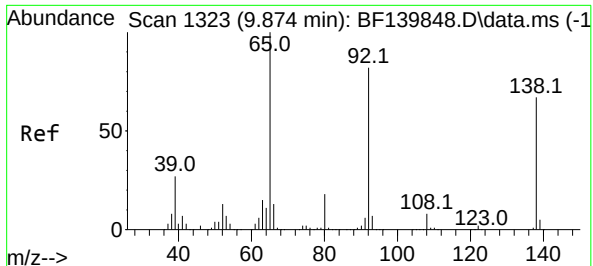
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



#52
Acenaphthene
Concen: 40.043 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.000 min
Lab File: BF139892.D
Acq: 21 Oct 2024 09:57

Tgt Ion:154 Resp: 746612
Ion Ratio Lower Upper
154 100
153 111.0 89.8 134.6
152 53.2 42.4 63.6





#53

3-Nitroaniline

Concen: 40.589 ng

RT: 9.874 min Scan# 1323

Delta R.T. 0.000 min

Lab File: BF139892.D

Acq: 21 Oct 2024 09:57

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:138 Resp: 20072

Ion Ratio Lower Upper

138 100

108 12.1 10.2 15.2

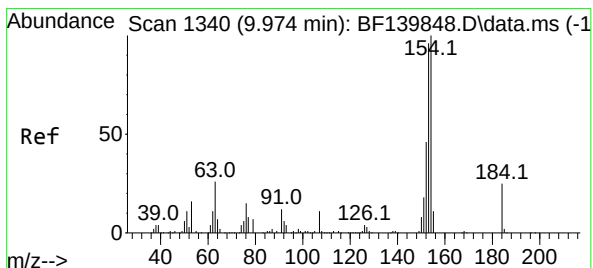
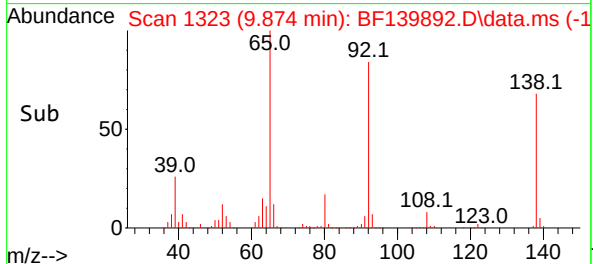
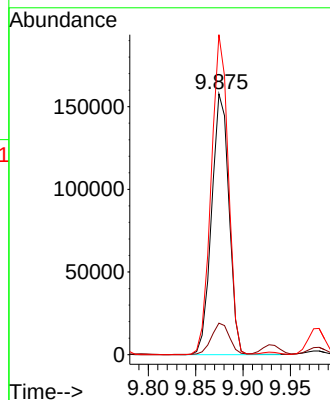
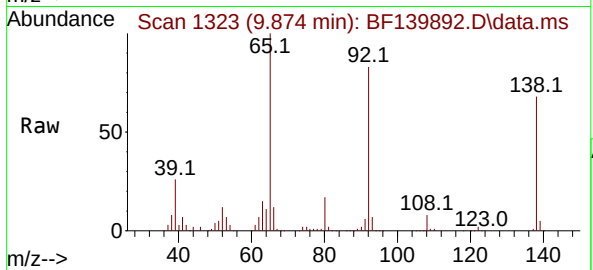
92 122.7 98.3 147.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/23/2024



#54

2,4-Dinitrophenol

Concen: 40.717 ng

RT: 9.980 min Scan# 1341

Delta R.T. 0.006 min

Lab File: BF139892.D

Acq: 21 Oct 2024 09:57

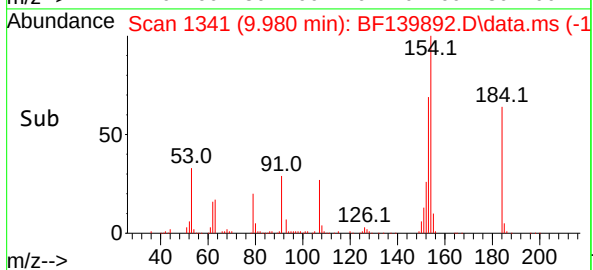
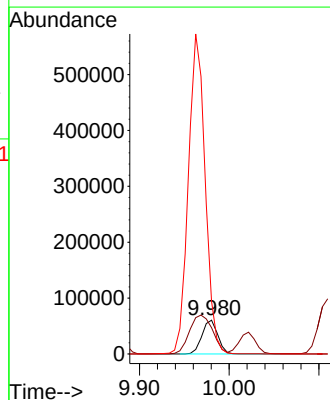
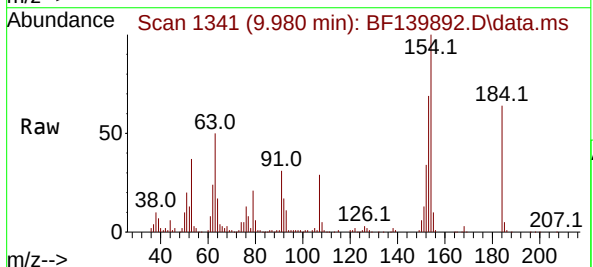
Tgt Ion:184 Resp: 74172

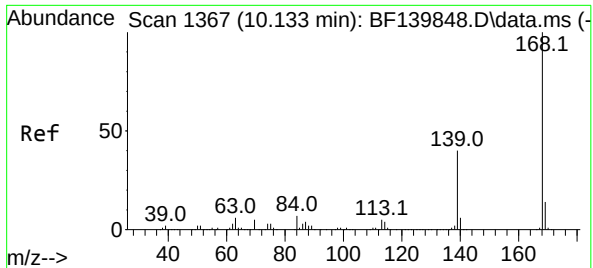
Ion Ratio Lower Upper

184 100

63 78.0 84.7 127.1#

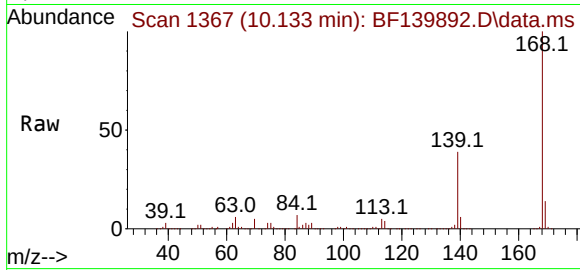
154 155.9 338.2 507.2#





#55
Dibenzenofuran
Concen: 40.040 ng
RT: 10.133 min Scan# 1367
Delta R.T. 0.000 min
Lab File: BF139892.D
Acq: 21 Oct 2024 09:57

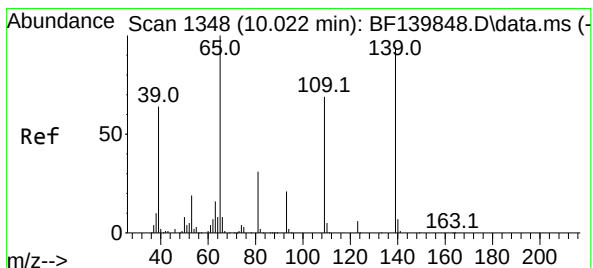
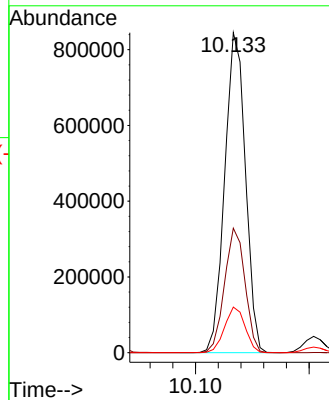
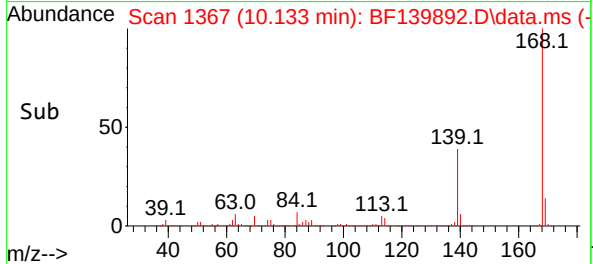
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:168 Resp: 1071125
Ion Ratio Lower Upper
168 100
139 38.9 31.8 47.6
169 14.2 11.6 17.4

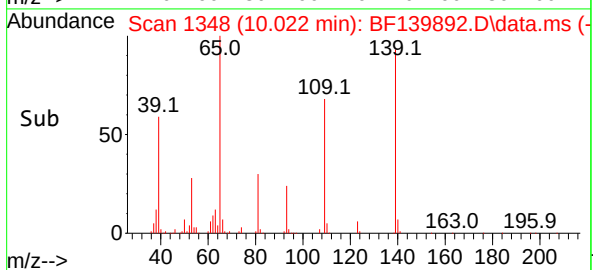
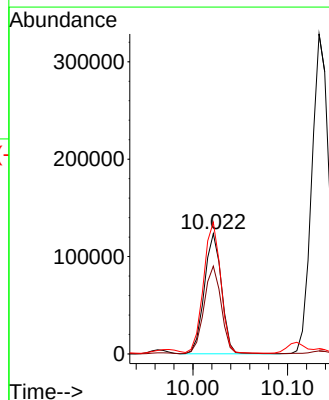
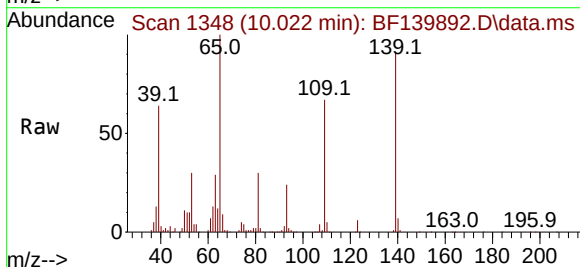
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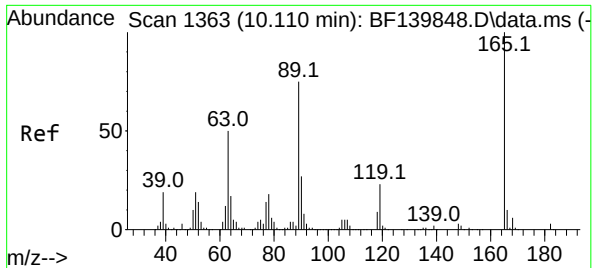
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



#56
4-Nitrophenol
Concen: 40.833 ng
RT: 10.022 min Scan# 1348
Delta R.T. 0.000 min
Lab File: BF139892.D
Acq: 21 Oct 2024 09:57

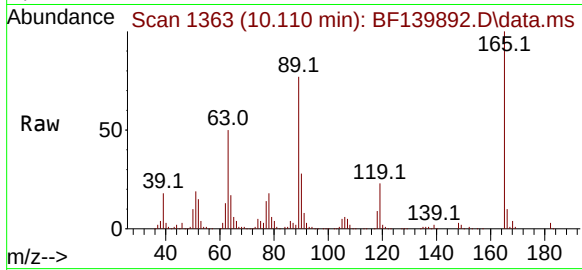
Tgt Ion:139 Resp: 155361
Ion Ratio Lower Upper
139 100
109 73.0 53.6 93.6
65 109.5 87.8 127.8





#57
2,4-Dinitrotoluene
Concen: 41.387 ng
RT: 10.110 min Scan# 1363
Delta R.T. 0.000 min
Lab File: BF139892.D
Acq: 21 Oct 2024 09:57

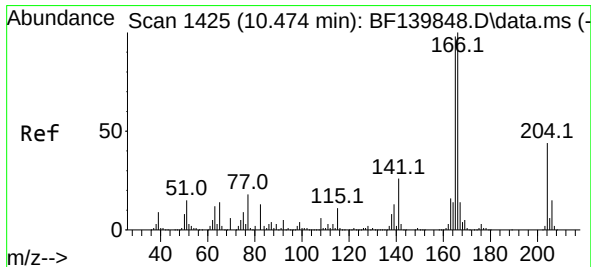
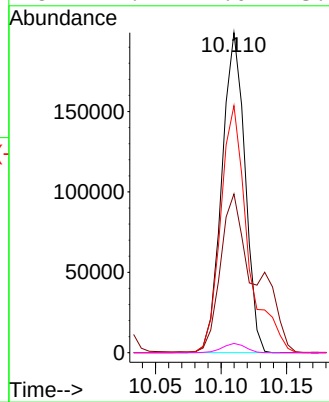
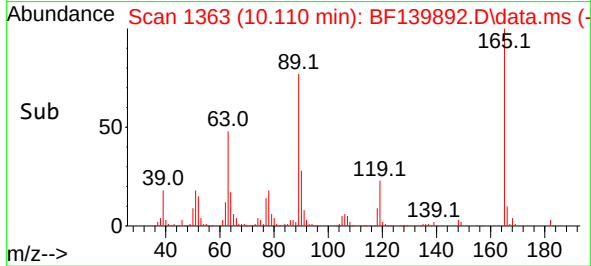
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:165 Resp: 244072
Ion Ratio Lower Upper
165 100
63 49.6 40.1 60.1
89 77.2 60.4 90.6
182 2.9 2.0 3.0

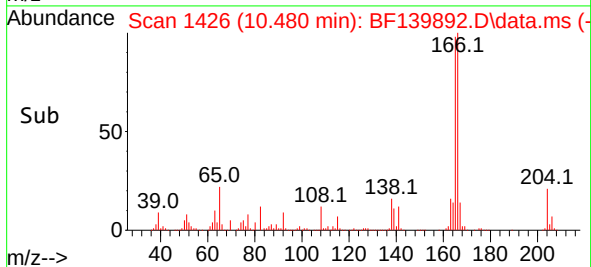
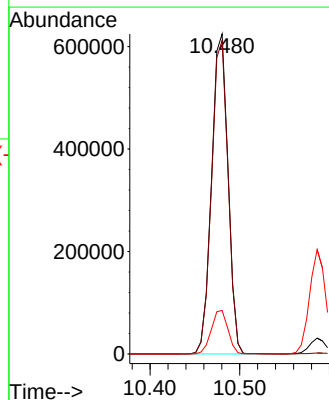
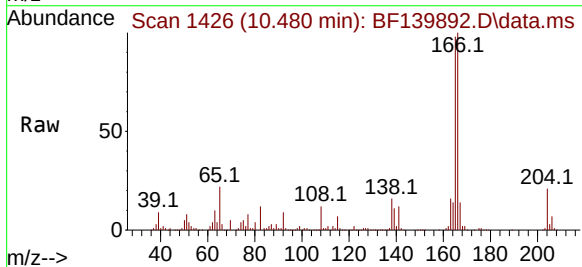
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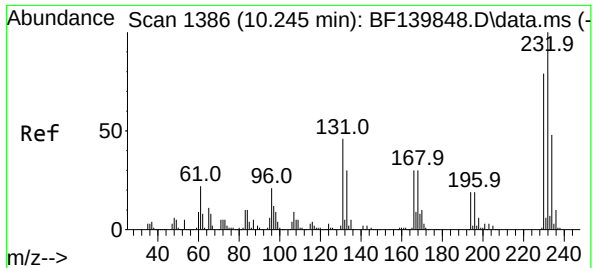
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



#58
Fluorene
Concen: 39.017 ng
RT: 10.480 min Scan# 1426
Delta R.T. 0.006 min
Lab File: BF139892.D
Acq: 21 Oct 2024 09:57

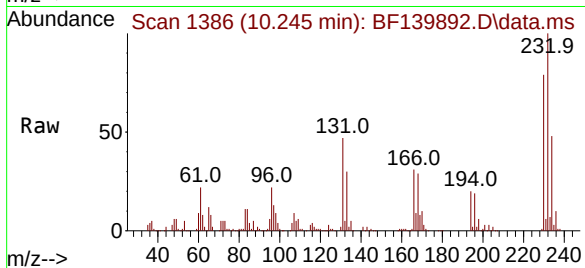
Tgt Ion:166 Resp: 794988
Ion Ratio Lower Upper
166 100
165 98.0 78.5 117.7
167 13.6 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 40.541 ng
RT: 10.245 min Scan# 1386
Delta R.T. 0.000 min
Lab File: BF139892.D
Acq: 21 Oct 2024 09:57

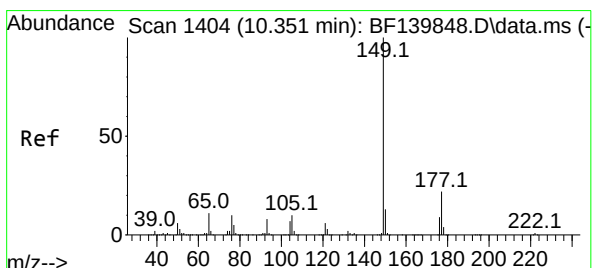
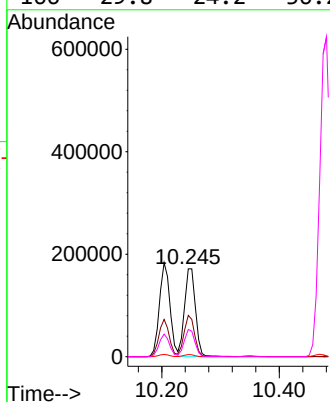
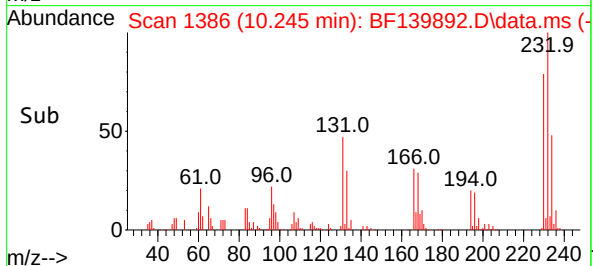
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:232 Resp: 222700
Ion Ratio Lower Upper
232 100
131 44.4 37.0 55.6
130 2.3 1.9 2.9
166 29.8 24.2 36.2

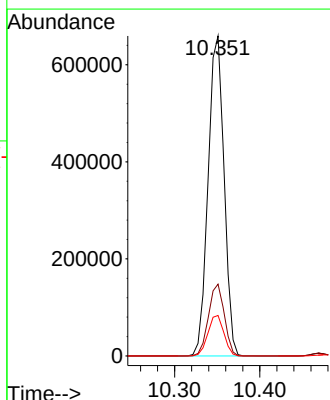
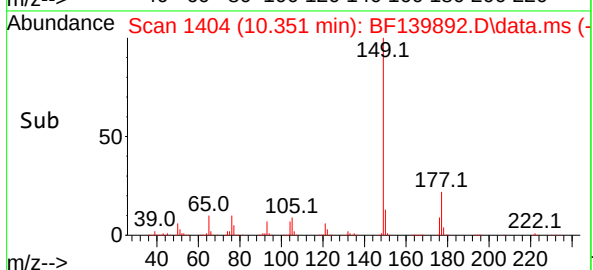
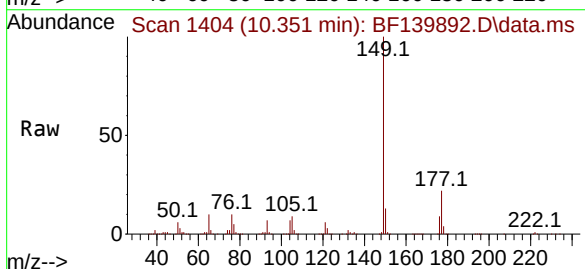
Manual Integrations
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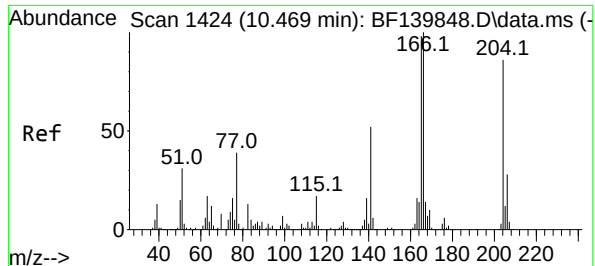
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



#60
Diethylphthalate
Concen: 39.449 ng
RT: 10.351 min Scan# 1404
Delta R.T. 0.000 min
Lab File: BF139892.D
Acq: 21 Oct 2024 09:57

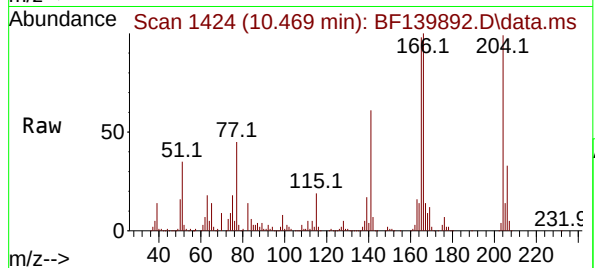
Tgt Ion:149 Resp: 857886
Ion Ratio Lower Upper
149 100
177 22.4 17.9 26.9
150 12.6 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 39.768 ng
RT: 10.469 min Scan# 1424
Delta R.T. 0.000 min
Lab File: BF139892.D
Acq: 21 Oct 2024 09:57

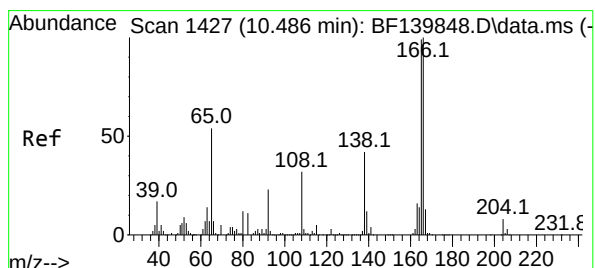
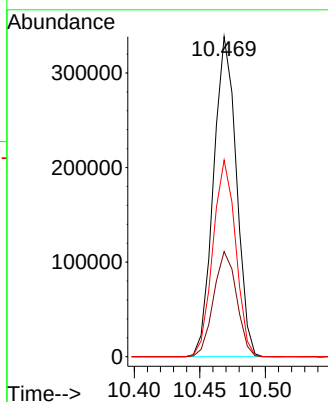
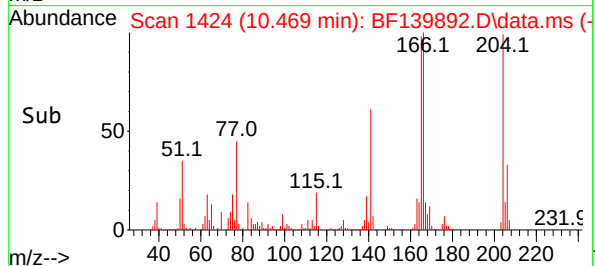
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



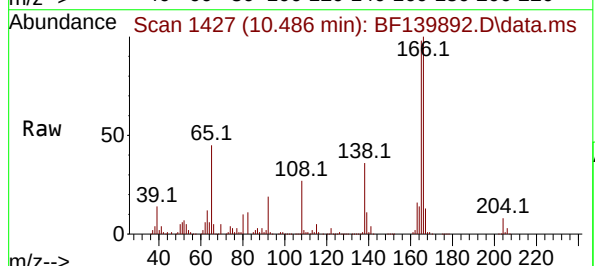
Tgt Ion:204 Resp: 409190
Ion Ratio Lower Upper
204 100
206 32.9 26.3 39.5
141 61.4 48.6 73.0

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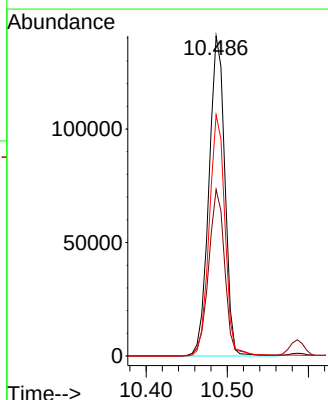
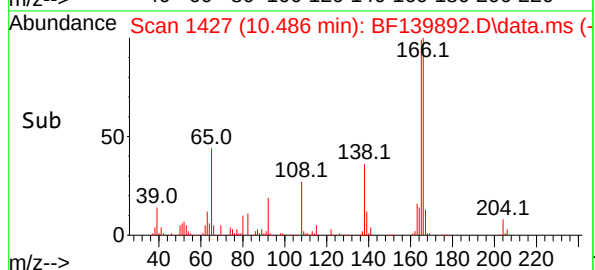
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024

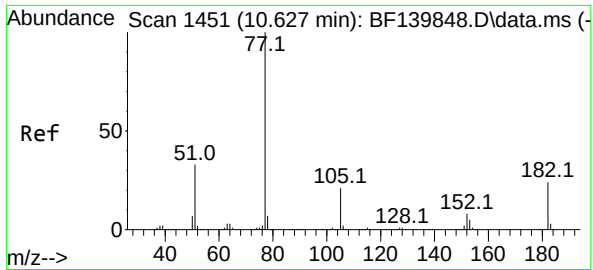


#62
4-Nitroaniline
Concen: 41.022 ng
RT: 10.486 min Scan# 1427
Delta R.T. 0.000 min
Lab File: BF139892.D
Acq: 21 Oct 2024 09:57



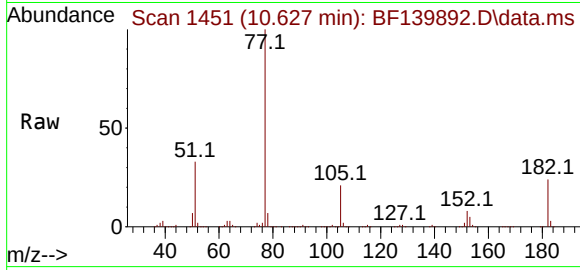
Tgt Ion:138 Resp: 191601
Ion Ratio Lower Upper
138 100
92 52.0 35.7 75.7
108 75.4 57.5 97.5





#63
Azobenzene
Concen: 39.034 ng
RT: 10.627 min Scan# 1451
Delta R.T. 0.000 min
Lab File: BF139892.D
Acq: 21 Oct 2024 09:57

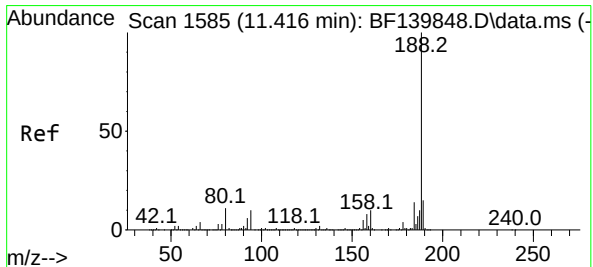
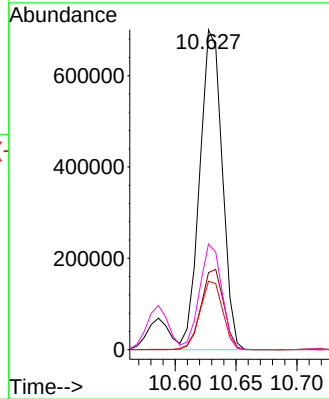
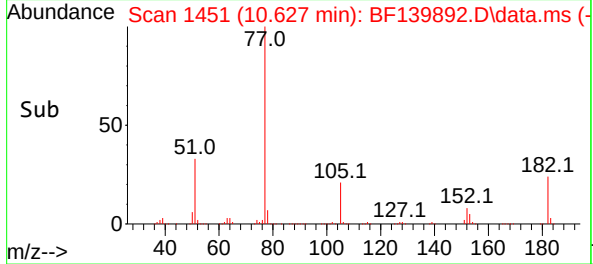
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion: 77 Resp: 899920
Ion Ratio Lower Upper
77 100
182 24.1 3.3 43.3
105 21.4 1.2 41.2
51 33.1 13.3 53.3

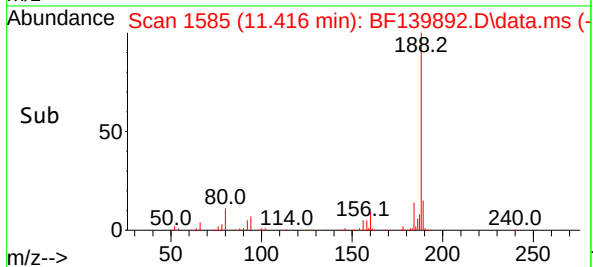
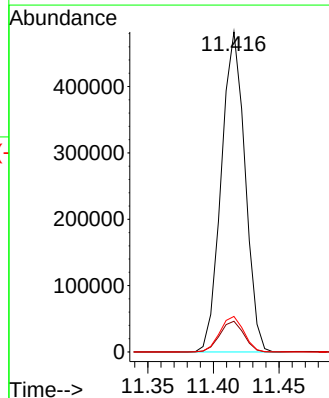
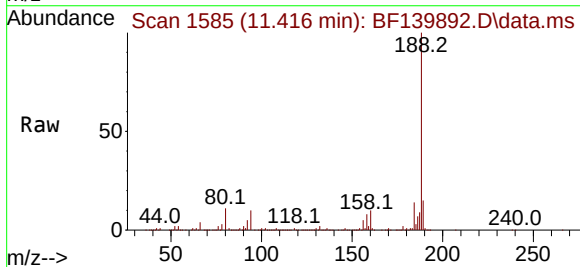
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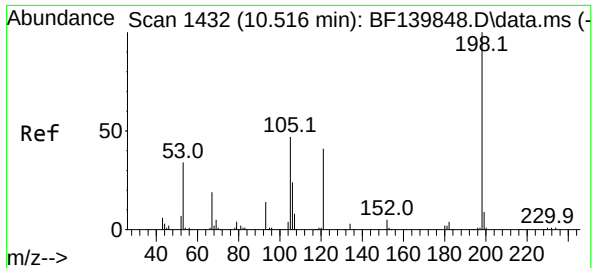
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BF139892.D
Acq: 21 Oct 2024 09:57

Tgt Ion:188 Resp: 607097
Ion Ratio Lower Upper
188 100
94 9.6 7.9 11.9
80 11.1 9.0 13.4





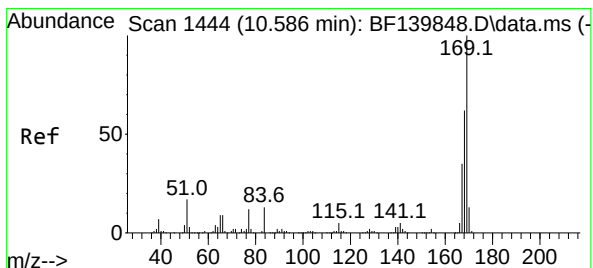
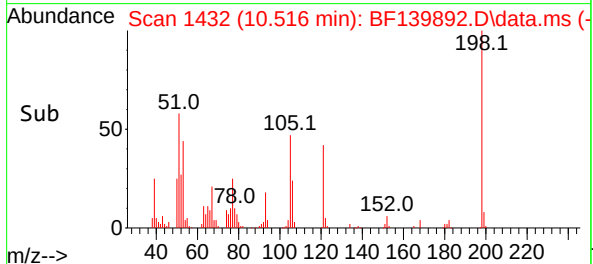
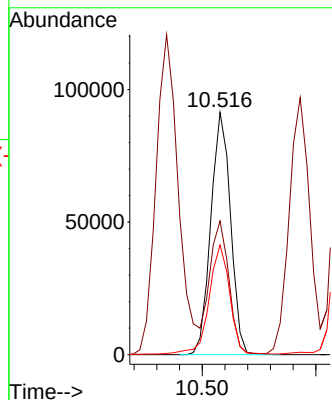
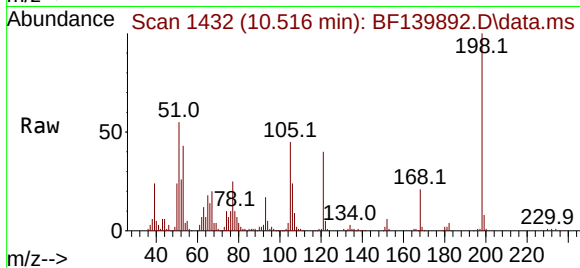
#65
4,6-Dinitro-2-methylphenol
Concen: 44.468 ng
RT: 10.516 min Scan# 1432
Delta R.T. -0.000 min
Lab File: BF139892.D
Acq: 21 Oct 2024 09:57

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 11011
Ion Ratio Lower Upper
198 100
51 55.2 38.2 78.2
105 45.2 27.9 67.9

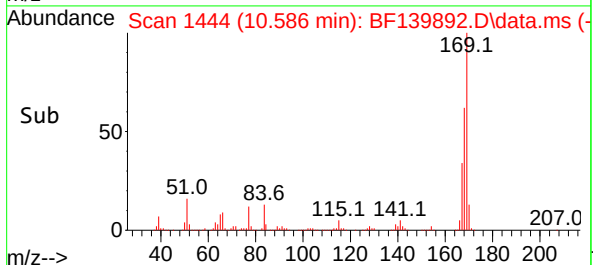
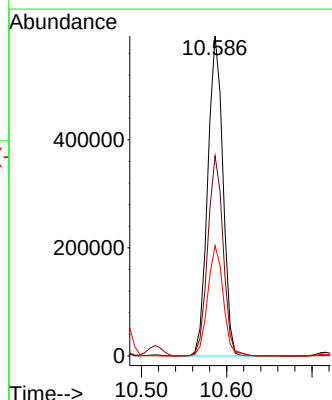
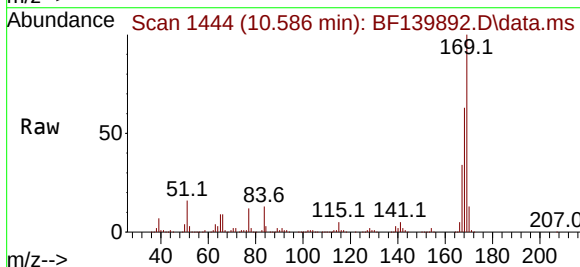
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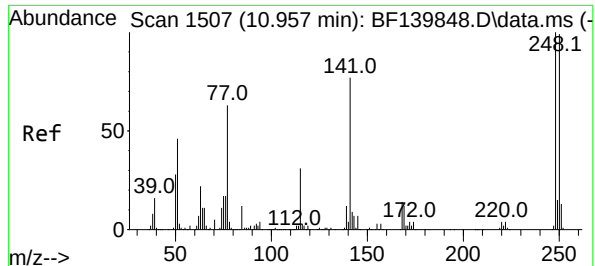
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



#66
n-Nitrosodiphenylamine
Concen: 40.178 ng
RT: 10.586 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BF139892.D
Acq: 21 Oct 2024 09:57

Tgt Ion:169 Resp: 730047
Ion Ratio Lower Upper
169 100
168 62.5 49.8 74.6
167 34.5 28.0 42.0





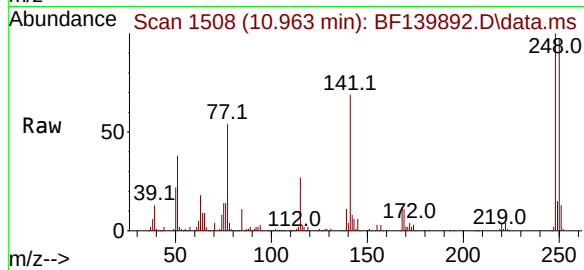
#67
4-Bromophenyl-phenylether
Concen: 41.669 ng
RT: 10.963 min Scan# 1508
Delta R.T. 0.006 min
Lab File: BF139892.D
Acq: 21 Oct 2024 09:57

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

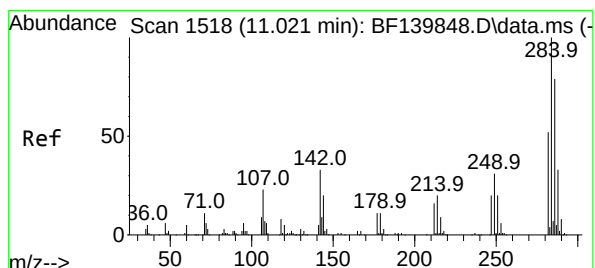
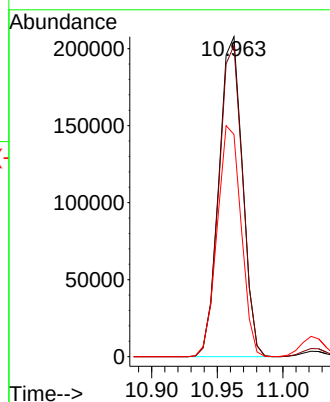
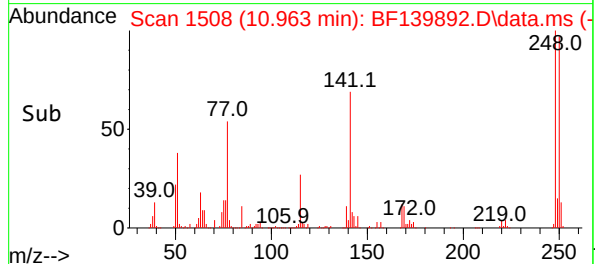


Tgt Ion:248 Resp: 260610
Ion Ratio Lower Upper
248 100
250 97.2 79.0 118.6
141 69.5 61.7 92.5

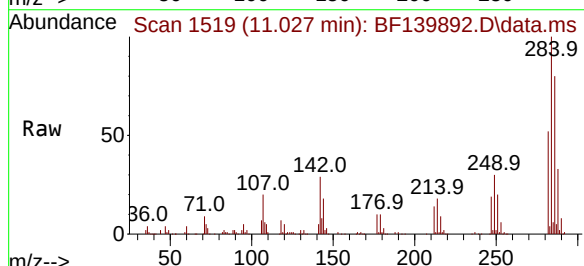
Manual Integrations

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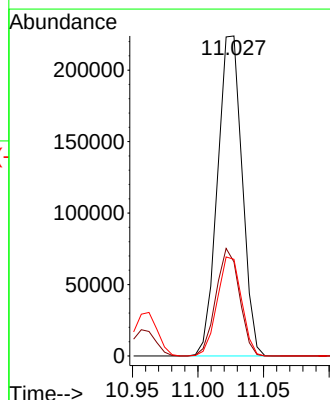
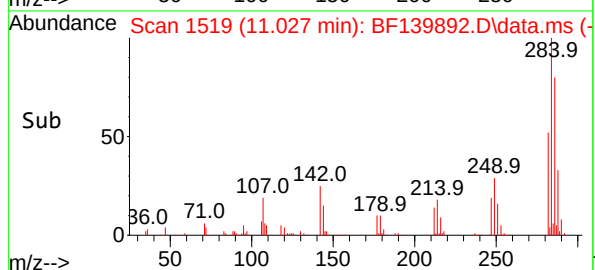
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024

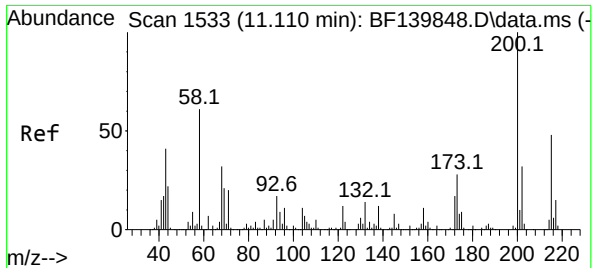


#68
Hexachlorobenzene
Concen: 41.470 ng
RT: 11.027 min Scan# 1519
Delta R.T. 0.006 min
Lab File: BF139892.D
Acq: 21 Oct 2024 09:57



Tgt Ion:284 Resp: 291695
Ion Ratio Lower Upper
284 100
142 29.4 26.9 40.3
249 30.2 25.3 37.9





#69

Atrazine

Concen: 40.026 ng

RT: 11.110 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF139892.D

Acq: 21 Oct 2024 09:57

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:200 Resp: 197000

Ion Ratio Lower Upper

200 100

173 27.2 7.7 47.7

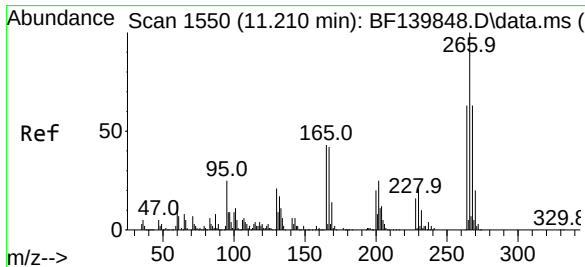
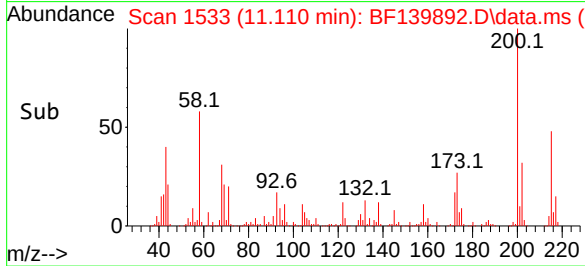
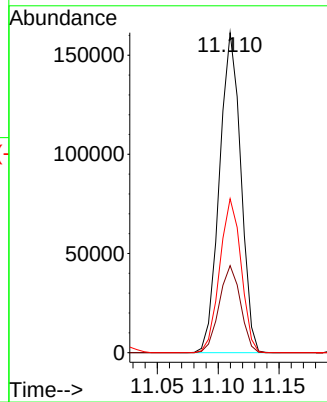
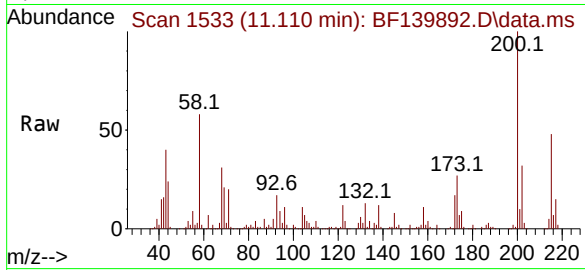
215 48.1 27.7 67.7

Manual Integrations

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Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/23/2024



#70

Pentachlorophenol

Concen: 44.099 ng

RT: 11.216 min Scan# 1551

Delta R.T. 0.006 min

Lab File: BF139892.D

Acq: 21 Oct 2024 09:57

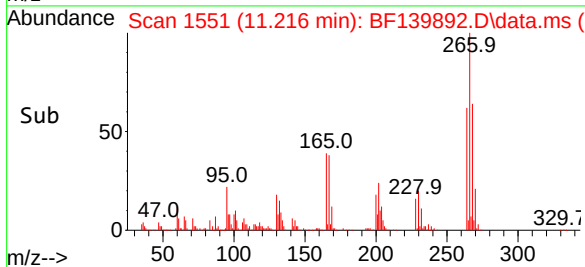
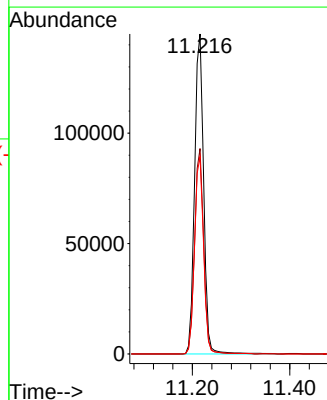
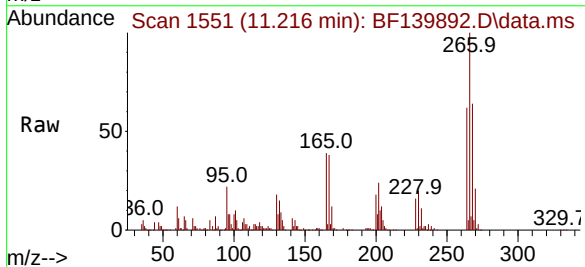
Tgt Ion:266 Resp: 188257

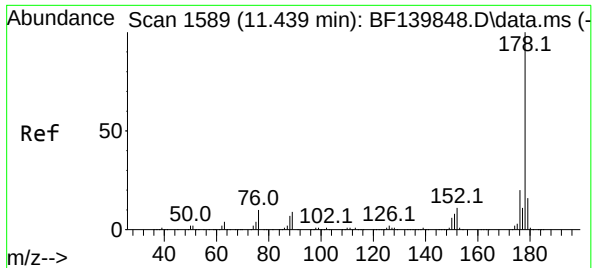
Ion Ratio Lower Upper

266 100

268 64.2 50.4 75.6

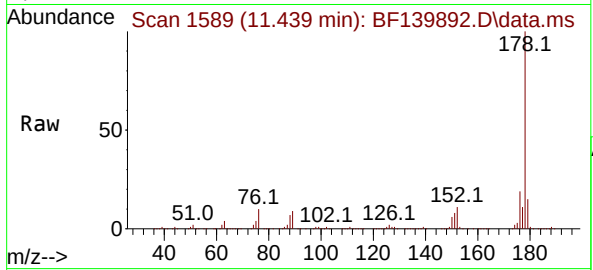
264 61.7 50.6 75.8





#71
Phenanthrene
Concen: 39.424 ng
RT: 11.439 min Scan# 1589
Delta R.T. 0.000 min
Lab File: BF139892.D
Acq: 21 Oct 2024 09:57

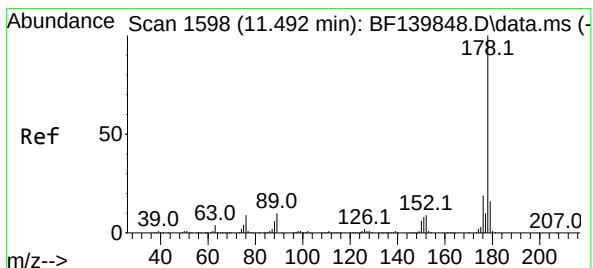
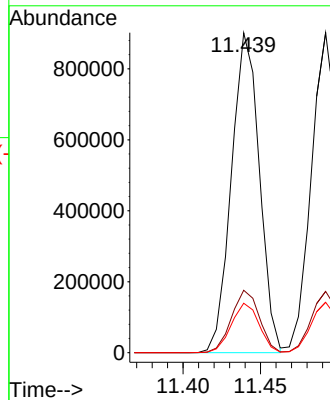
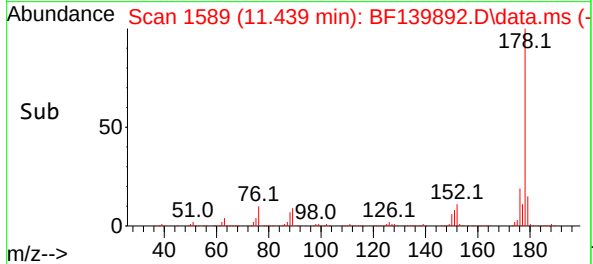
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



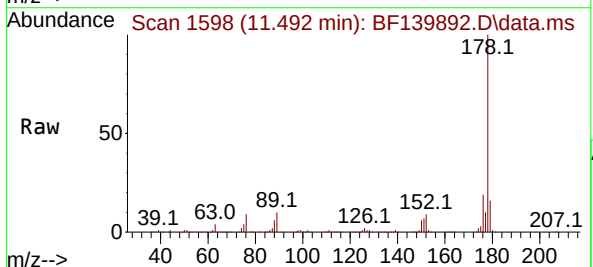
Tgt Ion:178 Resp: 1130558
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.6
179 15.4 12.6 18.8

Manual Integrations
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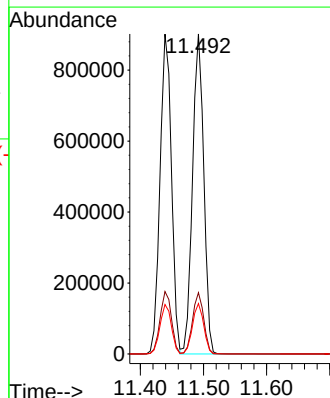
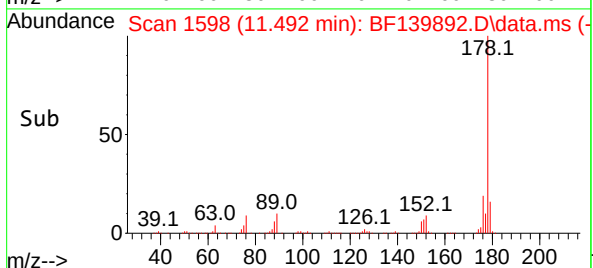
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024

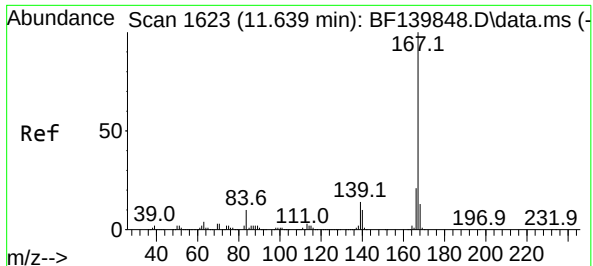


#72
Anthracene
Concen: 39.929 ng
RT: 11.492 min Scan# 1598
Delta R.T. 0.000 min
Lab File: BF139892.D
Acq: 21 Oct 2024 09:57



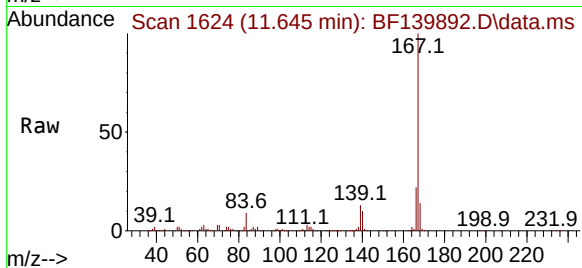
Tgt Ion:178 Resp: 1117198
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.8 12.4 18.6





#73
Carbazole
Concen: 38.591 ng
RT: 11.645 min Scan# 1623
Delta R.T. 0.006 min
Lab File: BF139892.D
Acq: 21 Oct 2024 09:57

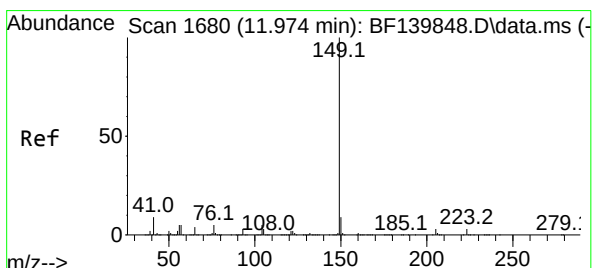
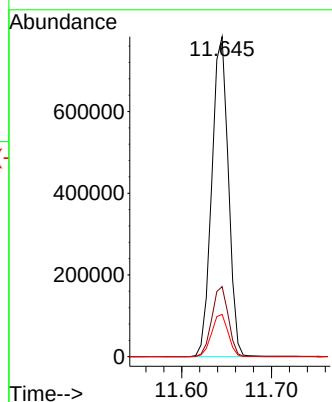
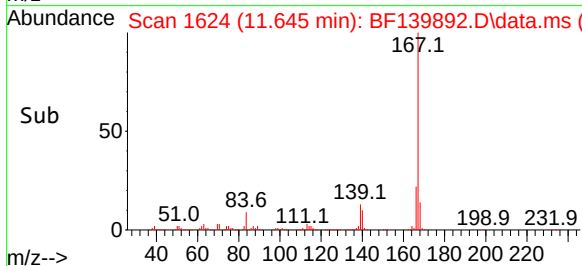
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



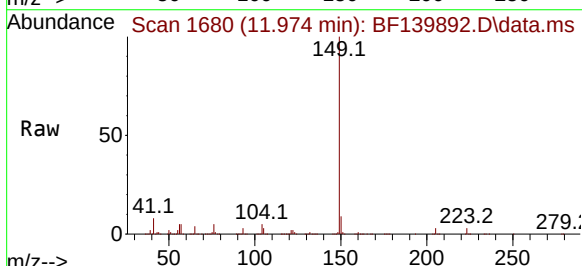
Tgt Ion:167 Resp: 100420
Ion Ratio Lower Upper
167 100
166 21.9 17.0 25.6
139 13.2 10.8 16.2

Manual Integrations
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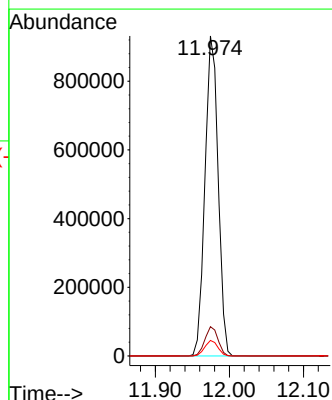
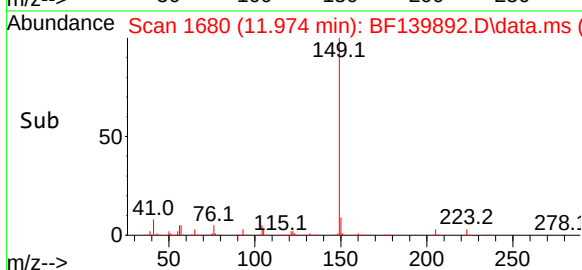
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024

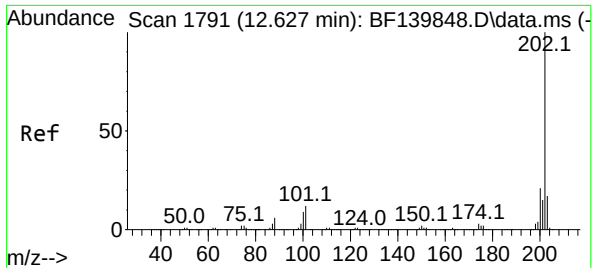


#74
Di-n-butylphthalate
Concen: 38.212 ng
RT: 11.974 min Scan# 1680
Delta R.T. 0.000 min
Lab File: BF139892.D
Acq: 21 Oct 2024 09:57



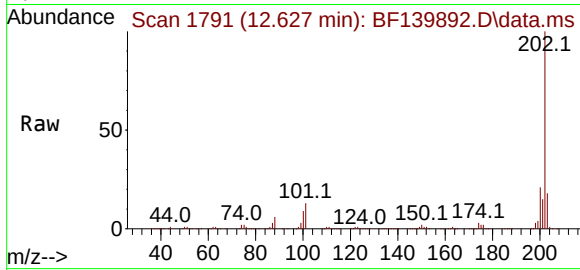
Tgt Ion:149 Resp: 1148788
Ion Ratio Lower Upper
149 100
150 9.2 7.5 11.3
104 4.9 4.1 6.1





#75
Fluoranthene
Concen: 37.973 ng
RT: 12.627 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF139892.D
Acq: 21 Oct 2024 09:57

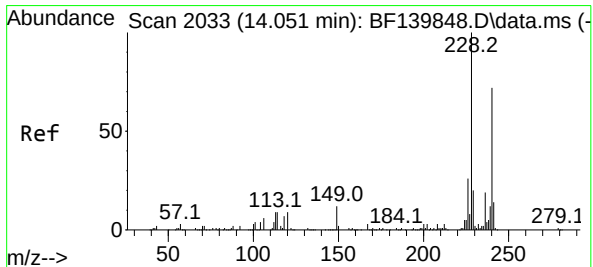
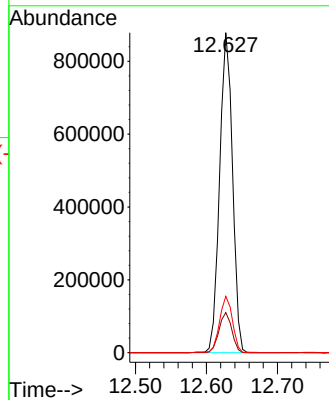
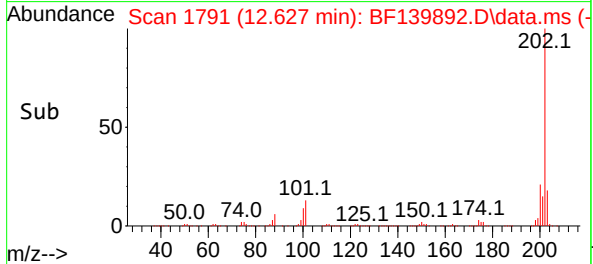
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



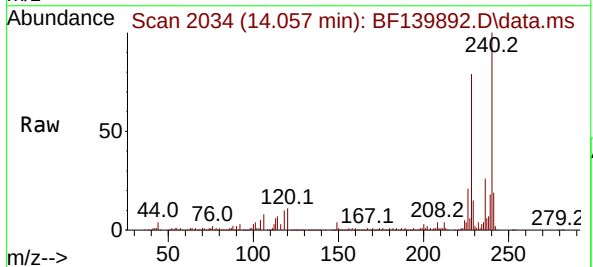
Tgt Ion:202 Resp: 110084
Ion Ratio Lower Upper
202 100
101 12.5 0.0 31.9
203 17.6 0.0 37.5

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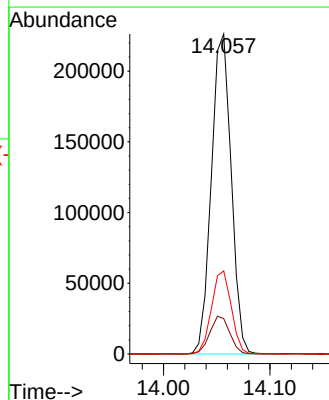
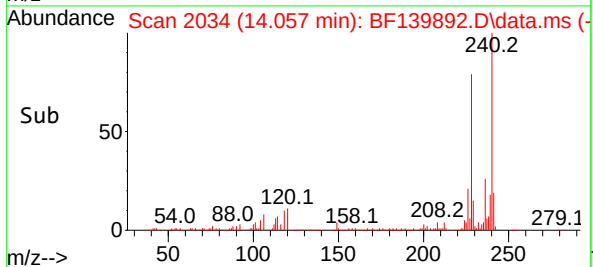
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024

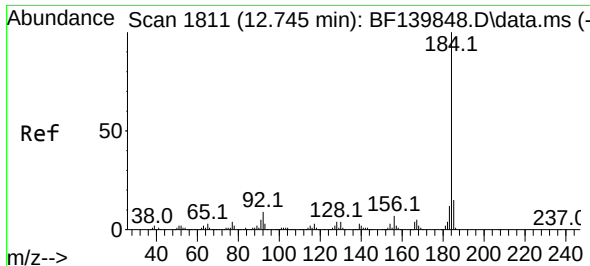


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. 0.006 min
Lab File: BF139892.D
Acq: 21 Oct 2024 09:57



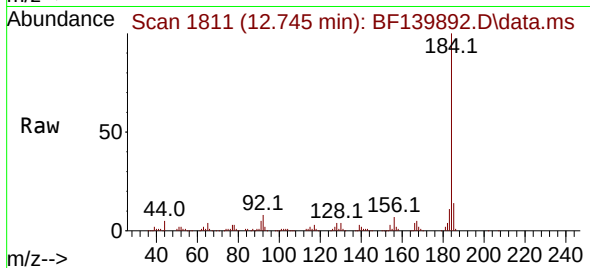
Tgt Ion:240 Resp: 292847
Ion Ratio Lower Upper
240 100
120 11.1 9.4 14.2
236 26.0 20.9 31.3





#77
Benzidine
Concen: 39.773 ng
RT: 12.745 min Scan# 1811
Delta R.T. -0.000 min
Lab File: BF139892.D
Acq: 21 Oct 2024 09:57

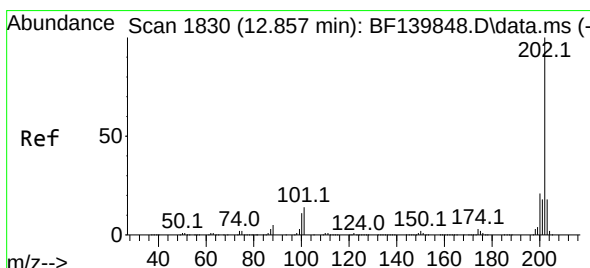
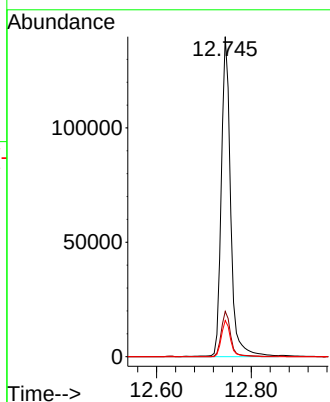
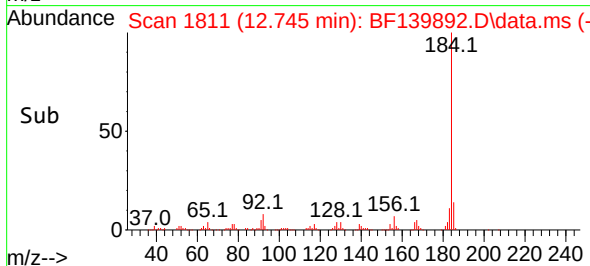
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



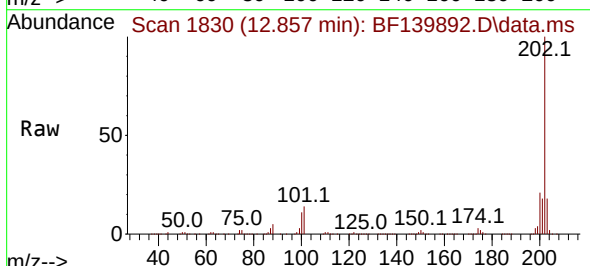
Tgt Ion:184 Resp: 19152
Ion Ratio Lower Upper
184 100
185 14.1 12.0 18.0
183 11.3 9.4 14.2

Manual Integrations
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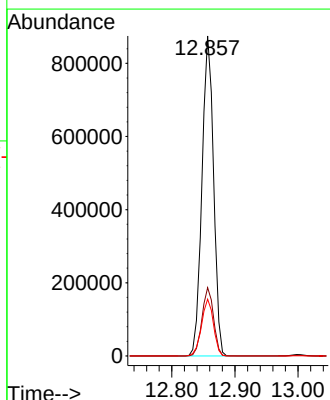
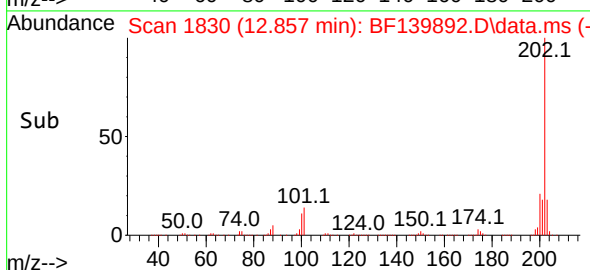
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024

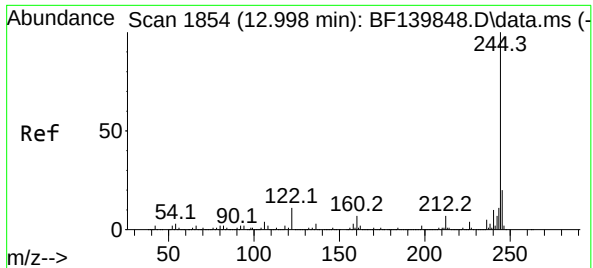


#78
Pyrene
Concen: 43.662 ng
RT: 12.857 min Scan# 1830
Delta R.T. 0.000 min
Lab File: BF139892.D
Acq: 21 Oct 2024 09:57



Tgt Ion:202 Resp: 1119226
Ion Ratio Lower Upper
202 100
200 21.4 17.2 25.8
203 17.8 14.2 21.4





#79

Terphenyl-d14

Concen: 84.957 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.000 min

Lab File: BF139892.D

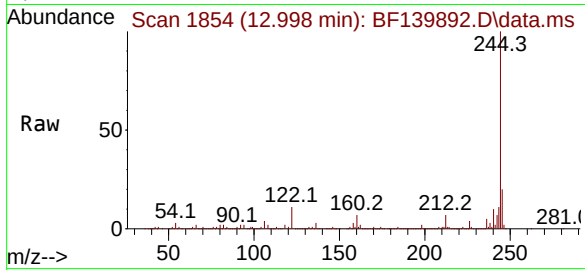
Acq: 21 Oct 2024 09:57

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:244 Resp: 152683

Ion Ratio Lower Upper

244 100

212 6.8 5.7 8.5

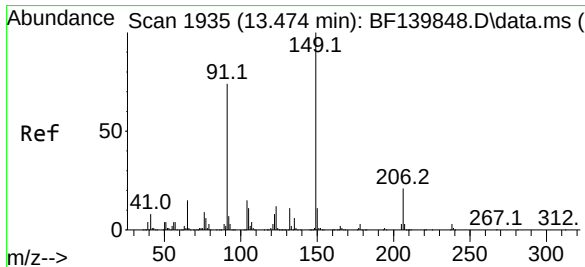
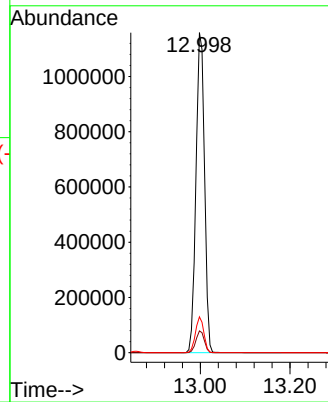
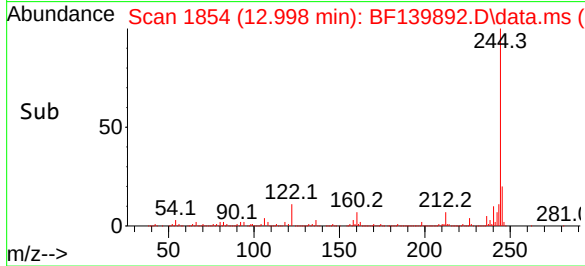
122 11.2 8.6 13.0

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Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/23/2024



#80

Butylbenzylphthalate

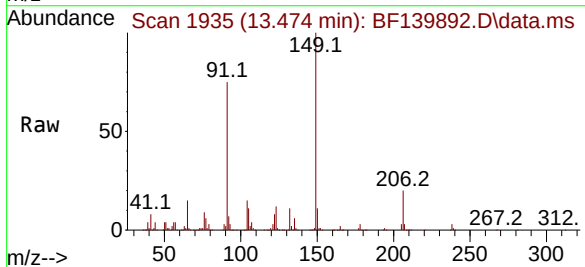
Concen: 40.927 ng

RT: 13.474 min Scan# 1935

Delta R.T. 0.000 min

Lab File: BF139892.D

Acq: 21 Oct 2024 09:57



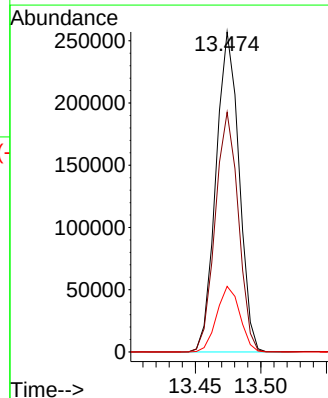
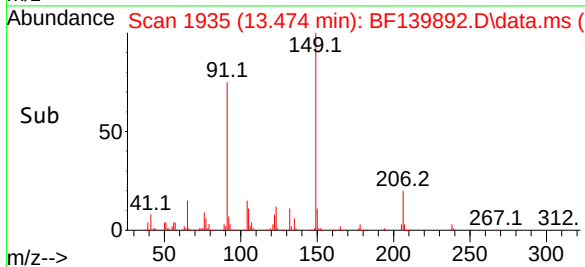
Tgt Ion:149 Resp: 314526

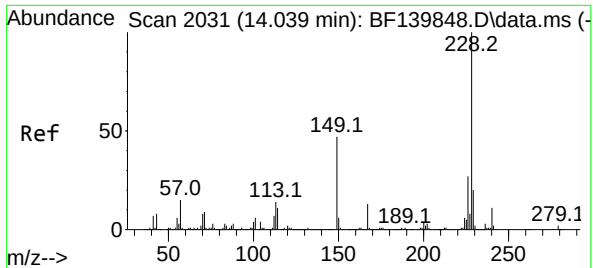
Ion Ratio Lower Upper

149 100

91 74.9 59.4 89.2

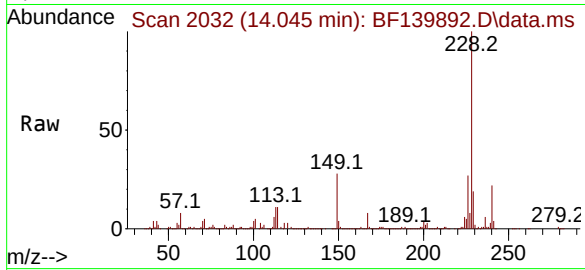
206 20.5 16.4 24.6





#81
Benzo(a)anthracene
Concen: 40.749 ng
RT: 14.045 min Scan# 2031
Delta R.T. 0.006 min
Lab File: BF139892.D
Acq: 21 Oct 2024 09:57

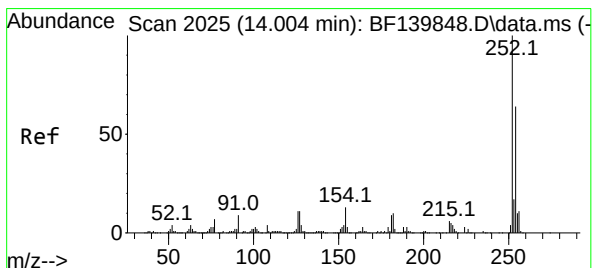
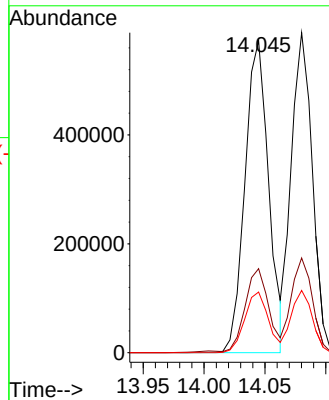
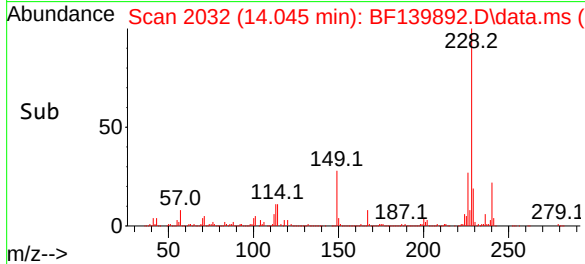
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



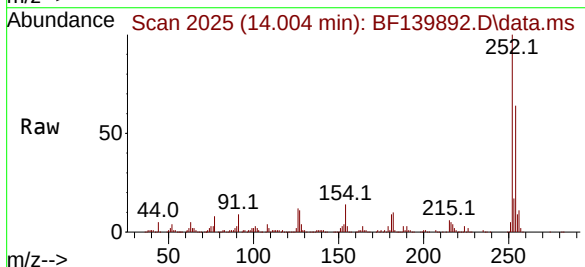
Tgt Ion:228 Resp: 776819
Ion Ratio Lower Upper
228 100
226 26.9 21.6 32.4
229 19.4 16.1 24.1

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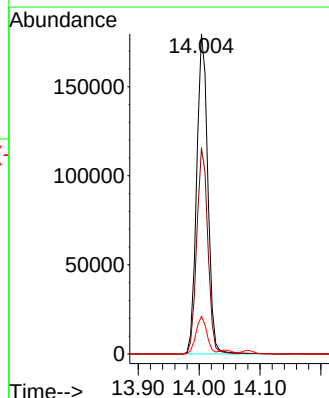
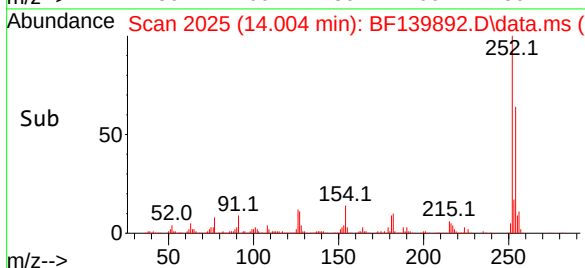
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024

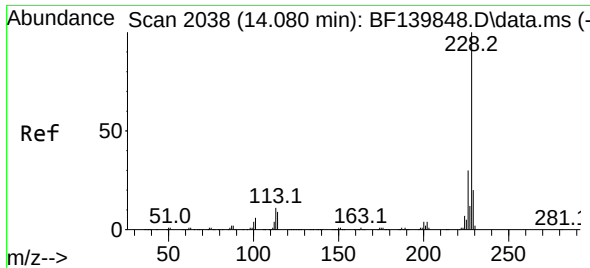


#82
3,3'-Dichlorobenzidine
Concen: 41.114 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF139892.D
Acq: 21 Oct 2024 09:57



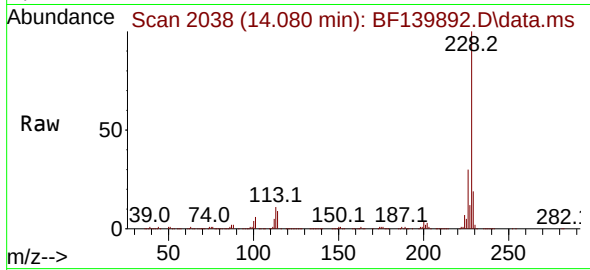
Tgt Ion:252 Resp: 228522
Ion Ratio Lower Upper
252 100
254 64.4 50.8 76.2
126 11.7 8.9 13.3





#83
Chrysene
Concen: 40.526 ng
RT: 14.080 min Scan# 2038
Delta R.T. 0.000 min
Lab File: BF139892.D
Acq: 21 Oct 2024 09:57

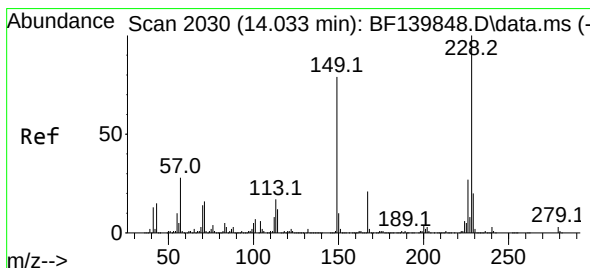
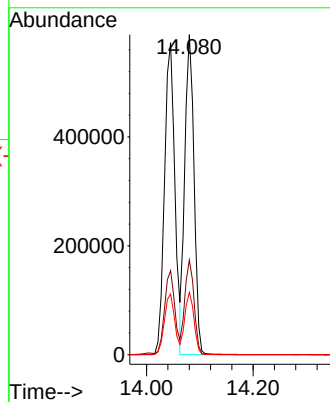
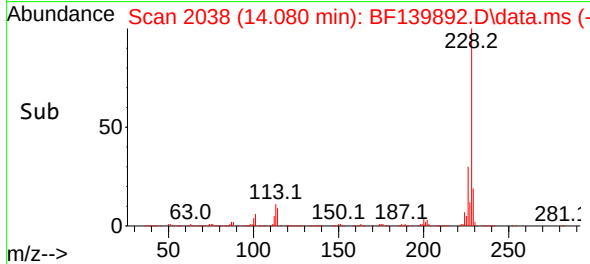
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:228 Resp: 708340
Ion Ratio Lower Upper
228 100
226 29.6 24.1 36.1
229 19.5 15.8 23.6

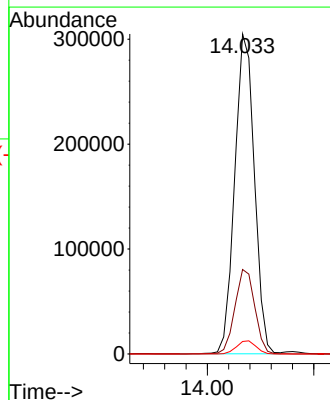
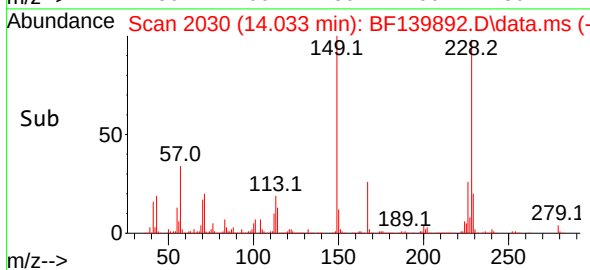
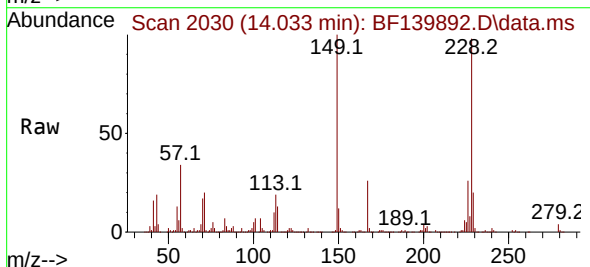
Manual Integrations
APPROVED

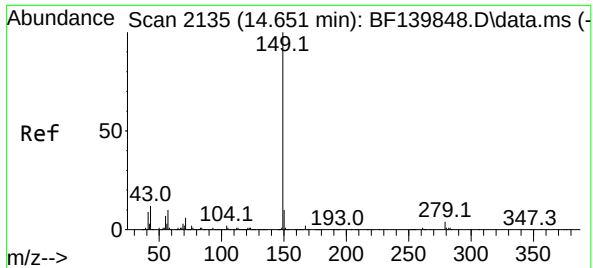
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



#84
Bis(2-ethylhexyl)phthalate
Concen: 45.265 ng
RT: 14.033 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF139892.D
Acq: 21 Oct 2024 09:57

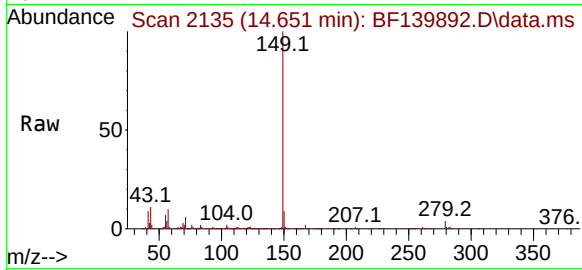
Tgt Ion:149 Resp: 390286
Ion Ratio Lower Upper
149 100
167 26.4 21.4 32.0
279 3.9 3.0 4.4





#85
Di-n-octyl phthalate
Concen: 47.081 ng
RT: 14.651 min Scan# 2135
Delta R.T. -0.000 min
Lab File: BF139892.D
Acq: 21 Oct 2024 09:57

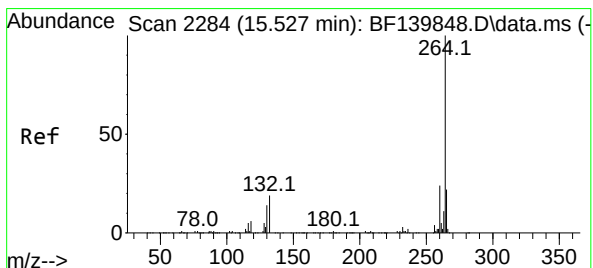
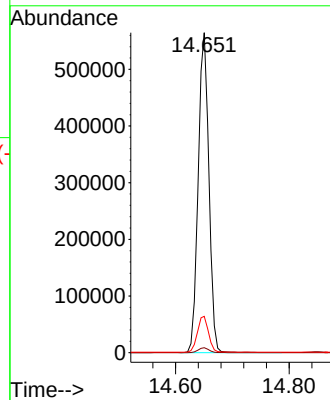
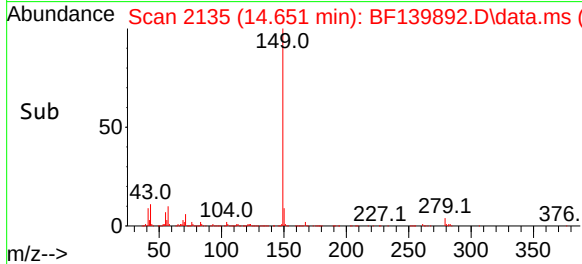
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:149 Resp: 73837
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 11.7 9.8 14.6

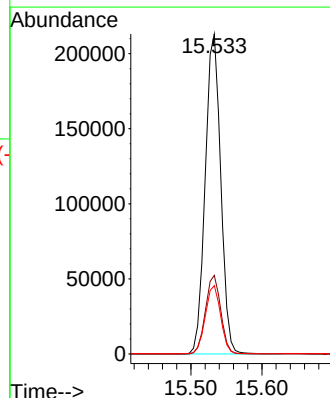
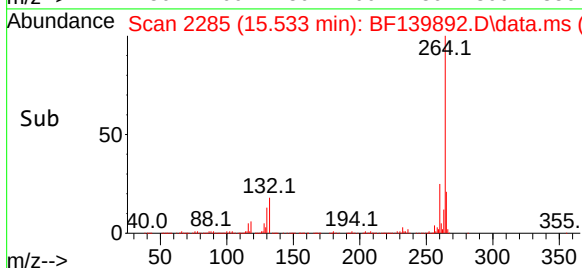
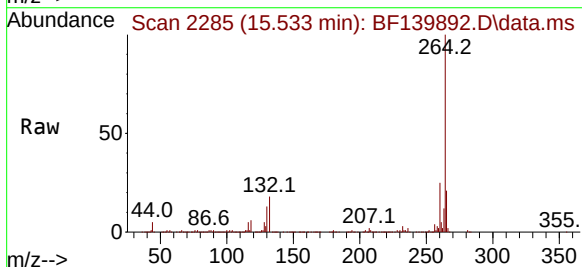
Manual Integrations
APPROVED

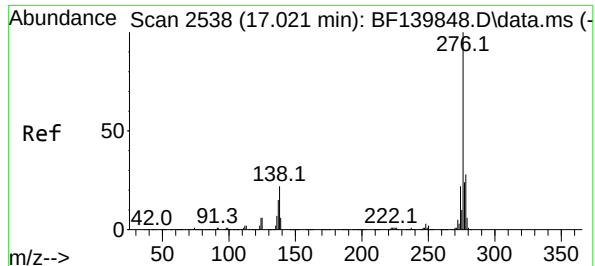
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2285
Delta R.T. 0.006 min
Lab File: BF139892.D
Acq: 21 Oct 2024 09:57

Tgt Ion:264 Resp: 323975
Ion Ratio Lower Upper
264 100
260 24.6 19.4 29.2
265 21.3 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 46.466 ng

RT: 17.027 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF139892.D

Acq: 21 Oct 2024 09:57

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:276 Resp: 96845

Ion Ratio Lower Upper

276 100

138 24.7 20.4 30.6

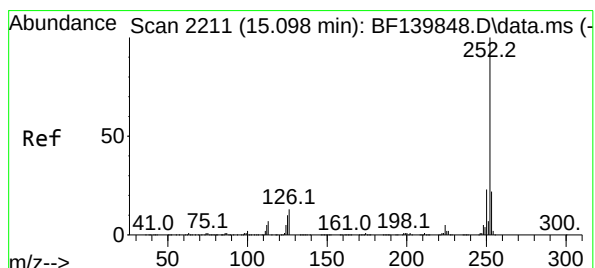
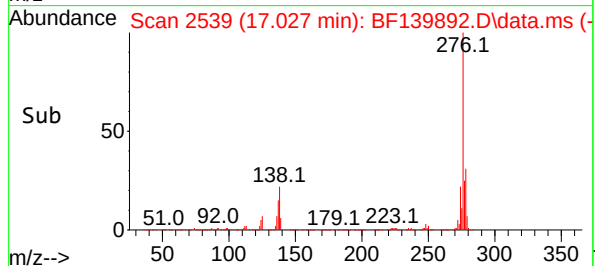
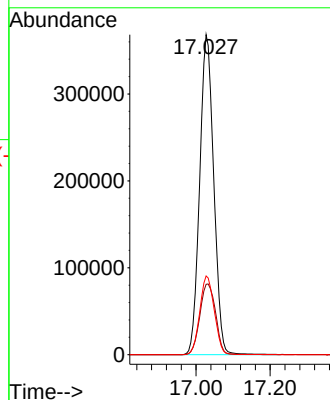
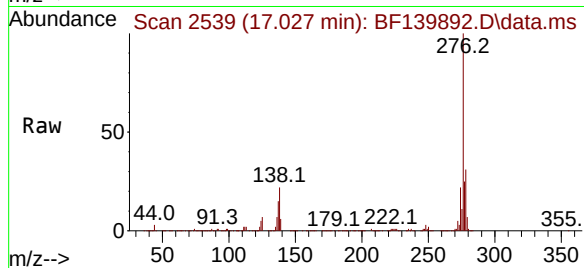
277 25.4 20.2 30.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/23/2024



#88

Benzo(b)fluoranthene

Concen: 40.502 ng

RT: 15.098 min Scan# 2211

Delta R.T. 0.000 min

Lab File: BF139892.D

Acq: 21 Oct 2024 09:57

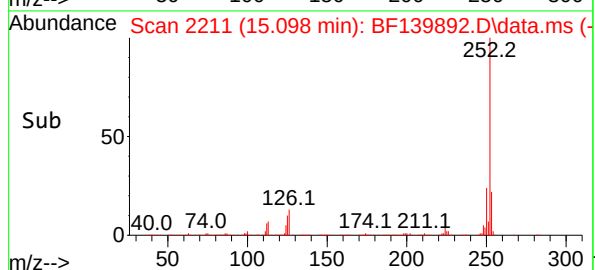
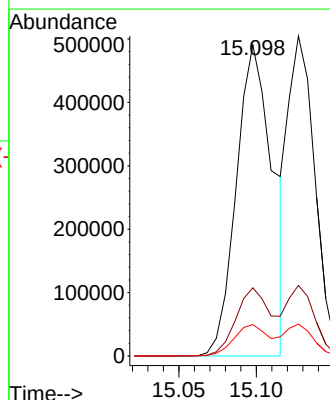
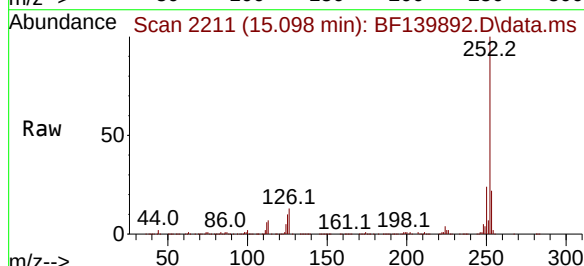
Tgt Ion:252 Resp: 799312

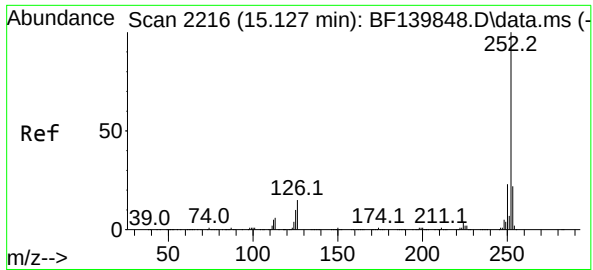
Ion Ratio Lower Upper

252 100

253 21.9 17.6 26.4

125 10.1 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 35.714 ng

RT: 15.127 min Scan# 2216

Delta R.T. 0.000 min

Lab File: BF139892.D

Acq: 21 Oct 2024 09:57

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:252 Resp: 607850

Ion Ratio Lower Upper

252 100

253 22.0 17.6 26.4

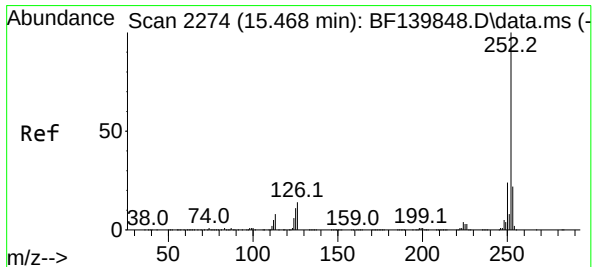
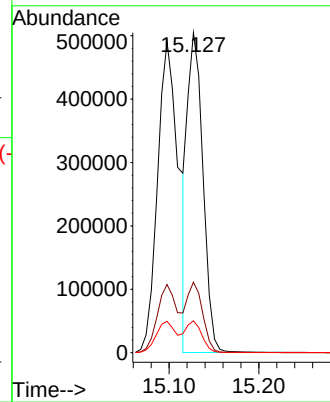
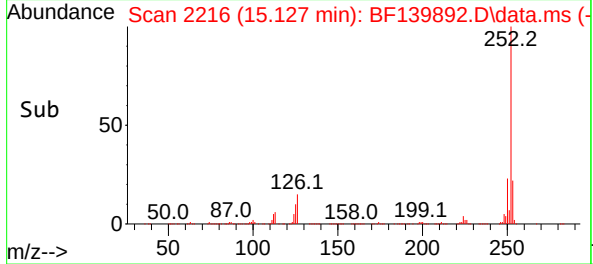
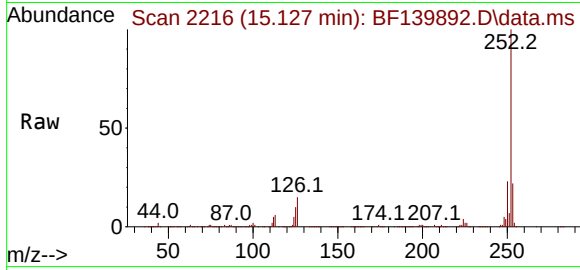
125 10.0 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/23/2024



#90

Benzo(a)pyrene

Concen: 40.266 ng

RT: 15.468 min Scan# 2274

Delta R.T. 0.000 min

Lab File: BF139892.D

Acq: 21 Oct 2024 09:57

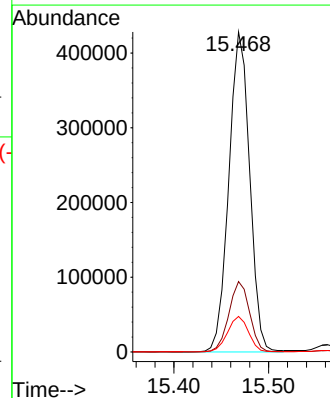
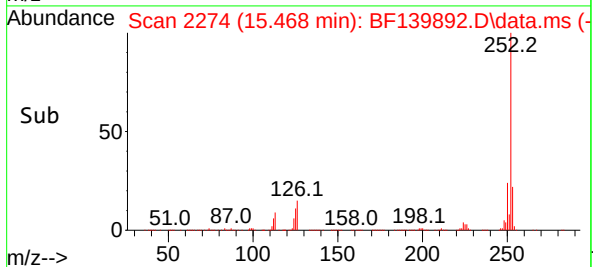
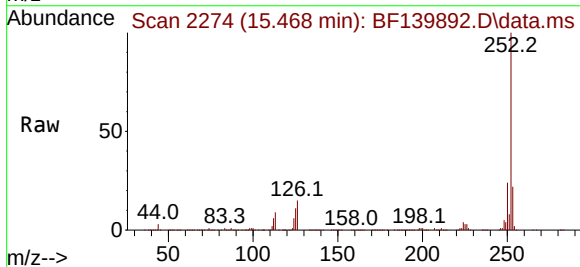
Tgt Ion:252 Resp: 653872

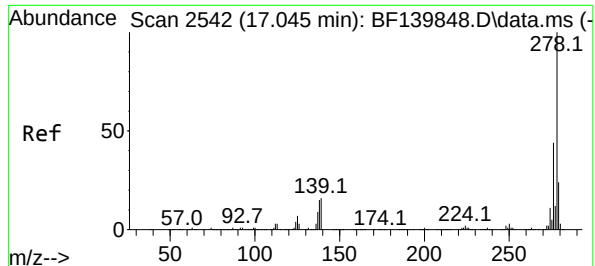
Ion Ratio Lower Upper

252 100

253 22.0 17.3 25.9

125 11.1 8.7 13.1





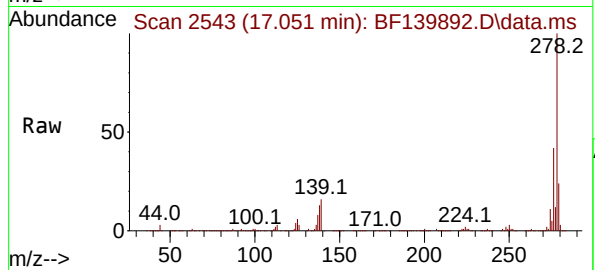
#91
Dibenzo(a,h)anthracene
Concen: 46.574 ng
RT: 17.051 min Scan# 2543
Delta R.T. 0.006 min
Lab File: BF139892.D
Acq: 21 Oct 2024 09:57

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

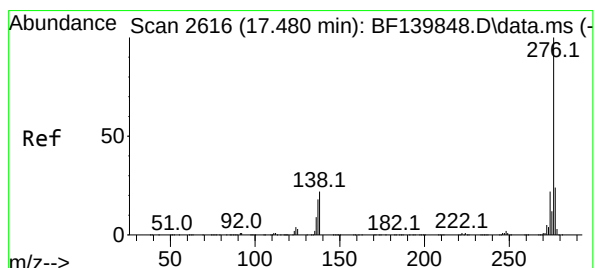
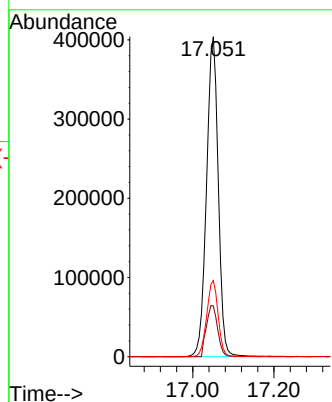
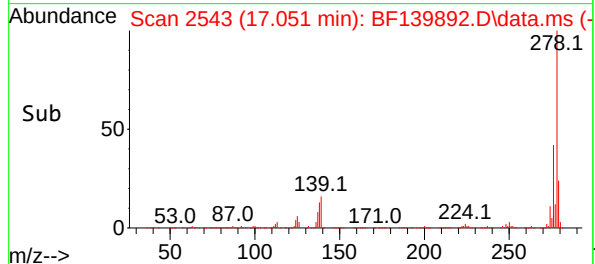


Tgt Ion:278 Resp: 809770
Ion Ratio Lower Upper
278 100
139 15.8 13.1 19.7
279 23.8 19.0 28.4

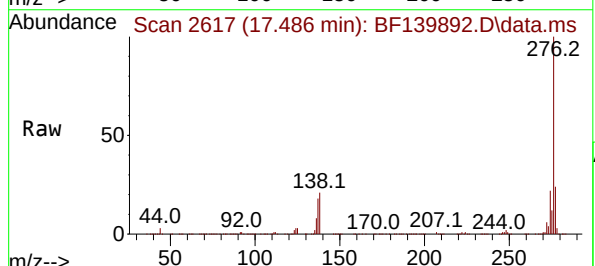
Manual Integrations

APPROVED

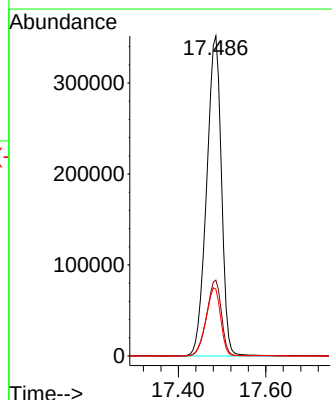
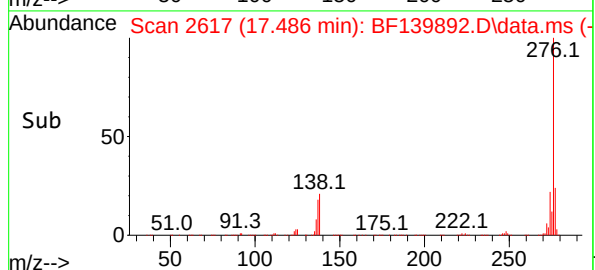
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



#92
Benzo(g,h,i)perylene
Concen: 47.682 ng
RT: 17.486 min Scan# 2617
Delta R.T. 0.006 min
Lab File: BF139892.D
Acq: 21 Oct 2024 09:57



Tgt Ion:276 Resp: 828102
Ion Ratio Lower Upper
276 100
277 23.7 19.0 28.6
138 20.9 17.4 26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102124\
 Data File : BF139892.D
 Acq On : 21 Oct 2024 09:57
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Oct 21 17:36:14 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	94	0.00
2	1,4-Dioxane	0.596	0.584	2.0	92	-0.02
3	Pyridine	1.476	1.431	3.0	89	-0.01
4	n-Nitrosodimethylamine	0.793	0.762	3.9	88	-0.02
5 S	2-Fluorophenol	1.278	1.253	2.0	92	0.00
6	Aniline	1.542	1.545	-0.2	91	0.00
7 S	Phenol-d6	1.655	1.618	2.2	92	0.00
8	2-Chlorophenol	1.306	1.302	0.3	93	0.00
9	Benzaldehyde	0.931	0.814	12.6	81	0.00
10 C	Phenol	1.706	1.701	0.3	93	0.00
11	bis(2-Chloroethyl)ether	1.319	1.298	1.6	94	0.00
12	1,3-Dichlorobenzene	1.499	1.503	-0.3	94	0.00
13 C	1,4-Dichlorobenzene	1.498	1.495	0.2	94	0.00
14	1,2-Dichlorobenzene	1.398	1.394	0.3	95	0.00
15	Benzyl Alcohol	1.214	1.215	-0.1	94	0.00
16	2,2'-oxybis(1-Chloropropane	2.248	2.201	2.1	91	0.00
17	2-Methylphenol	1.114	1.099	1.3	92	0.00
18	Hexachloroethane	0.534	0.539	-0.9	93	0.00
19 P	n-Nitroso-di-n-propylamine	1.004	0.965	3.9	93	0.00
20	3+4-Methylphenols	1.424	1.398	1.8	92	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	94	0.00
22	Acetophenone	0.490	0.481	1.8	94	0.00
23 S	Nitrobenzene-d5	0.361	0.370	-2.5	94	0.00
24	Nitrobenzene	0.396	0.395	0.3	92	0.00
25	Isophorone	0.685	0.677	1.2	93	0.00
26 C	2-Nitrophenol	0.149	0.157	-5.4	93	0.00
27	2,4-Dimethylphenol	0.249	0.243	2.4	92	0.00
28	bis(2-Chloroethoxy)methane	0.415	0.418	-0.7	95	0.00
29 C	2,4-Dichlorophenol	0.283	0.286	-1.1	95	0.00
30	1,2,4-Trichlorobenzene	0.314	0.317	-1.0	94	0.00
31	Naphthalene	1.031	1.026	0.5	94	0.00
32	Benzoic acid	0.217	0.222	-2.3	95	0.00
33	4-Chloroaniline	0.352	0.354	-0.6	95	0.00
34 C	Hexachlorobutadiene	0.197	0.202	-2.5	96	0.00
35	Caprolactam	0.090	0.085	5.6	87	0.00
36 C	4-Chloro-3-methylphenol	0.314	0.311	1.0	93	0.00
37	2-Methylnaphthalene	0.632	0.627	0.8	94	0.00
38	1-Methylnaphthalene	0.620	0.614	1.0	94	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	94	0.00
40	1,2,4,5-Tetrachlorobenzene	0.540	0.552	-2.2	96	0.00
41 P	Hexachlorocyclopentadiene	0.188	0.209	-11.2	99	0.00
42 S	2,4,6-Tribromophenol	0.187	0.195	-4.3	97	0.00
43 C	2,4,6-Trichlorophenol	0.382	0.378	1.0	91	0.00
44	2,4,5-Trichlorophenol	0.394	0.415	-5.3	97	0.00
45 S	2-Fluorobiphenyl	1.210	1.182	2.3	95	0.00
46	1,1'-Biphenyl	1.392	1.400	-0.6	95	0.00
47	2-Chloronaphthalene	1.121	1.125	-0.4	95	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102124\
 Data File : BF139892.D
 Acq On : 21 Oct 2024 09:57
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Oct 21 17:36:14 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	2-Nitroaniline	0.343	0.354	-3.2	91	0.00
49	Acenaphthylene	1.621	1.614	0.4	94	0.00
50	Dimethylphthalate	1.246	1.237	0.7	94	0.00
51	2,6-Dinitrotoluene	0.270	0.275	-1.9	92	0.00
52 C	Acenaphthene	1.049	1.050	-0.1	94	0.00
53	3-Nitroaniline	0.278	0.282	-1.4	90	0.00
54 P	2,4-Dinitrophenol	0.093	0.104	-11.8	96	0.00
55	Dibenzofuran	1.505	1.506	-0.1	95	0.00
56 P	4-Nitrophenol	0.214	0.218	-1.9	88	0.00
57	2,4-Dinitrotoluene	0.332	0.343	-3.3	90	0.00
58	Fluorene	1.146	1.118	2.4	94	0.00
59	2,3,4,6-Tetrachlorophenol	0.309	0.313	-1.3	95	0.00
60	Diethylphthalate	1.223	1.206	1.4	93	0.00
61	4-Chlorophenyl-phenylether	0.579	0.575	0.7	95	0.00
62	4-Nitroaniline	0.263	0.269	-2.3	92	0.00
63	Azobenzene	1.297	1.265	2.5	91	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	92	0.00
65	4,6-Dinitro-2-methylphenol	0.082	0.091	-11.0	95	0.00
66 c	n-Nitrosodiphenylamine	0.599	0.601	-0.3	92	0.00
67	4-Bromophenyl-phenylether	0.206	0.215	-4.4	97	0.00
68	Hexachlorobenzene	0.232	0.240	-3.4	95	0.00
69	Atrazine	0.162	0.162	0.0	85	0.00
70 C	Pentachlorophenol	0.141	0.155	-9.9	93	0.00
71	Phenanthrene	0.945	0.931	1.5	91	0.00
72	Anthracene	0.922	0.920	0.2	92	0.00
73	Carbazole	0.857	0.827	3.5	89	0.00
74	Di-n-butylphthalate	0.990	0.946	4.4	85	0.00
75 C	Fluoranthene	0.955	0.907	5.0	88	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	85	0.00
77	Benzydine	0.329	0.327	0.6	76	0.00
78	Pyrene	1.751	1.911	-9.1	90	0.00
79 S	Terphenyl-d14	1.227	1.303	-6.2	89	0.00
80	Butylbenzylphthalate	0.525	0.537	-2.3	82	0.00
81	Benzo(a)anthracene	1.302	1.326	-1.8	84	0.00
82	3,3'-Dichlorobenzidine	0.380	0.390	-2.6	85	0.00
83	Chrysene	1.194	1.209	-1.3	88	0.00
84	Bis(2-ethylhexyl)phthalate	0.589	0.666	-13.1	90	0.00
85 c	Di-n-octyl phthalate	1.071	1.261	-17.7	94	0.00
86 I	Perylene-d12	1.000	1.000	0.0	89	0.00
87	Indeno(1,2,3-cd)pyrene	1.287	1.495	-16.2	98	0.00
88	Benzo(b)fluoranthene	1.218	1.234	-1.3	92	0.00
89	Benzo(k)fluoranthene	1.051	0.938	10.8	78	0.00
90 C	Benzo(a)pyrene	1.002	1.009	-0.7	87	0.00
91	Dibenzo(a,h)anthracene	1.073	1.250	-16.5	99	0.00
92	Benzo(g,h,i)perylene	1.072	1.278	-19.2	101	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102124\
Data File : BF139892.D
Acq On : 21 Oct 2024 09:57
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 21 17:36:14 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev Area	% Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102124\
 Data File : BF139892.D
 Acq On : 21 Oct 2024 09:57
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Oct 21 17:36:14 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	94	0.00
2	1,4-Dioxane	40.000	39.206	2.0	92	-0.02
3	Pyridine	40.000	38.768	3.1	89	-0.01
4	n-Nitrosodimethylamine	40.000	38.421	3.9	88	-0.02
5 S	2-Fluorophenol	80.000	78.473	1.9	92	0.00
6	Aniline	40.000	40.073	-0.2	91	0.00
7 S	Phenol-d6	80.000	78.222	2.2	92	0.00
8	2-Chlorophenol	40.000	39.870	0.3	93	0.00
9	Benzaldehyde	40.000	34.998	12.5	81	0.00
10 C	Phenol	40.000	39.897	0.3	93	0.00
11	bis(2-Chloroethyl)ether	40.000	39.365	1.6	94	0.00
12	1,3-Dichlorobenzene	40.000	40.108	-0.3	94	0.00
13 C	1,4-Dichlorobenzene	40.000	39.925	0.2	94	0.00
14	1,2-Dichlorobenzene	40.000	39.898	0.3	95	0.00
15	Benzyl Alcohol	40.000	40.037	-0.1	94	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	39.162	2.1	91	0.00
17	2-Methylphenol	40.000	39.480	1.3	92	0.00
18	Hexachloroethane	40.000	40.341	-0.9	93	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	38.473	3.8	93	0.00
20	3+4-Methylphenols	40.000	39.267	1.8	92	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	94	0.00
22	Acetophenone	40.000	39.293	1.8	94	0.00
23 S	Nitrobenzene-d5	80.000	82.117	-2.6	94	0.00
24	Nitrobenzene	40.000	39.913	0.2	92	0.00
25	Isophorone	40.000	39.515	1.2	93	0.00
26 C	2-Nitrophenol	40.000	41.970	-4.9	93	0.00
27	2,4-Dimethylphenol	40.000	39.025	2.4	92	0.00
28	bis(2-Chloroethoxy)methane	40.000	40.306	-0.8	95	0.00
29 C	2,4-Dichlorophenol	40.000	40.400	-1.0	95	0.00
30	1,2,4-Trichlorobenzene	40.000	40.386	-1.0	94	0.00
31	Naphthalene	40.000	39.773	0.6	94	0.00
32	Benzoic acid	40.000	40.954	-2.4	95	0.00
33	4-Chloroaniline	40.000	40.298	-0.7	95	0.00
34 C	Hexachlorobutadiene	40.000	41.056	-2.6	96	0.00
35	Caprolactam	40.000	37.820	5.4	87	0.00
36 C	4-Chloro-3-methylphenol	40.000	39.613	1.0	93	0.00
37	2-Methylnaphthalene	40.000	39.678	0.8	94	0.00
38	1-Methylnaphthalene	40.000	39.646	0.9	94	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	94	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	40.887	-2.2	96	0.00
41 P	Hexachlorocyclopentadiene	40.000	44.558	-11.4	99	0.00
42 S	2,4,6-Tribromophenol	80.000	83.258	-4.1	97	0.00
43 C	2,4,6-Trichlorophenol	40.000	39.547	1.1	91	0.00
44	2,4,5-Trichlorophenol	40.000	42.112	-5.3	97	0.00
45 S	2-Fluorobiphenyl	80.000	78.147	2.3	95	0.00
46	1,1'-Biphenyl	40.000	40.220	-0.5	95	0.00
47	2-Chloronaphthalene	40.000	40.122	-0.3	95	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102124\
 Data File : BF139892.D
 Acq On : 21 Oct 2024 09:57
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Oct 21 17:36:14 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	41.264	-3.2	91	0.00
49	Acenaphthylene	40.000	39.833	0.4	94	0.00
50	Dimethylphthalate	40.000	39.724	0.7	94	0.00
51	2,6-Dinitrotoluene	40.000	40.767	-1.9	92	0.00
52 C	Acenaphthene	40.000	40.043	-0.1	94	0.00
53	3-Nitroaniline	40.000	40.589	-1.5	90	0.00
54 P	2,4-Dinitrophenol	40.000	40.717	-1.8	96	0.00
55	Dibenzofuran	40.000	40.040	-0.1	95	0.00
56 P	4-Nitrophenol	40.000	40.833	-2.1	88	0.00
57	2,4-Dinitrotoluene	40.000	41.387	-3.5	90	0.00
58	Fluorene	40.000	39.017	2.5	94	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	40.541	-1.4	95	0.00
60	Diethylphthalate	40.000	39.449	1.4	93	0.00
61	4-Chlorophenyl-phenylether	40.000	39.768	0.6	95	0.00
62	4-Nitroaniline	40.000	41.022	-2.6	92	0.00
63	Azobenzene	40.000	39.034	2.4	91	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	92	0.00
65	4,6-Dinitro-2-methylphenol	40.000	44.468	-11.2	95	0.00
66 c	n-Nitrosodiphenylamine	40.000	40.178	-0.4	92	0.00
67	4-Bromophenyl-phenylether	40.000	41.669	-4.2	97	0.00
68	Hexachlorobenzene	40.000	41.470	-3.7	95	0.00
69	Atrazine	40.000	40.026	-0.1	85	0.00
70 C	Pentachlorophenol	40.000	44.099	-10.2	93	0.00
71	Phenanthrene	40.000	39.424	1.4	91	0.00
72	Anthracene	40.000	39.929	0.2	92	0.00
73	Carbazole	40.000	38.591	3.5	89	0.00
74	Di-n-butylphthalate	40.000	38.212	4.5	85	0.00
75 C	Fluoranthene	40.000	37.973	5.1	88	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	85	0.00
77	Benzydine	40.000	39.773	0.6	76	0.00
78	Pyrene	40.000	43.662	-9.2	90	0.00
79 S	Terphenyl-d14	80.000	84.957	-6.2	89	0.00
80	Butylbenzylphthalate	40.000	40.927	-2.3	82	0.00
81	Benzo(a)anthracene	40.000	40.749	-1.9	84	0.00
82	3,3'-Dichlorobenzidine	40.000	41.114	-2.8	85	0.00
83	Chrysene	40.000	40.526	-1.3	88	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	45.265	-13.2	90	0.00
85 c	Di-n-octyl phthalate	40.000	47.081	-17.7	94	0.00
86 I	Perylene-d12	20.000	20.000	0.0	89	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	46.466	-16.2	98	0.00
88	Benzo(b)fluoranthene	40.000	40.502	-1.3	92	0.00
89	Benzo(k)fluoranthene	40.000	35.714	10.7	78	0.00
90 C	Benzo(a)pyrene	40.000	40.266	-0.7	87	0.00
91	Dibenzo(a,h)anthracene	40.000	46.574	-16.4	99	0.00
92	Benzo(g,h,i)perylene	40.000	47.682	-19.2	101	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102124\
Data File : BF139892.D
Acq On : 21 Oct 2024 09:57
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 21 17:36:14 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range

SPCC's out = 0 CCC's out = 0



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: SCHE03

Lab Code: CHEM Case No.: P4385 SAS No.: P4385 SDG No.: P4385

Instrument ID: BNA_F Calibration Date/Time: 10/22/2024 09:39

Lab File ID: BF139917.D Init. Calib. Date(s): 10/18/2024 10/18/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:27 13:46

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.278	1.261		-1.3	
Benzaldehyde	0.931	0.912		-2.0	
Phenol-d6	1.655	1.609		-2.8	
Phenol	1.706	1.663		-2.5	20.0
bis(2-Chloroethyl)ether	1.319	1.282		-2.8	
2-Chlorophenol	1.306	1.309		0.2	
2-Methylphenol	1.114	1.094		-1.8	
2,2-oxybis(1-Chloropropane)	2.248	2.110		-6.1	
Acetophenone	0.490	0.478		-2.4	
3+4-Methylphenols	1.424	1.403		-1.5	
n-Nitroso-di-n-propylamine	1.004	0.945	0.050	-5.9	
Nitrobenzene-d5	0.361	0.380		5.3	
Hexachloroethane	0.534	0.540		1.1	
Nitrobenzene	0.396	0.402		1.5	
Isophorone	0.685	0.670		-2.2	
2-Nitrophenol	0.149	0.173		16.1	20.0
2,4-Dimethylphenol	0.249	0.244		-2.0	
bis(2-Chloroethoxy)methane	0.415	0.406		-2.2	
2,4-Dichlorophenol	0.283	0.288		1.8	20.0
Naphthalene	1.031	1.032		0.1	
4-Chloroaniline	0.352	0.351		-0.3	
Hexachlorobutadiene	0.197	0.204		3.6	20.0
Caprolactam	0.090	0.089		-1.1	
4-Chloro-3-methylphenol	0.314	0.312		-0.6	20.0
2-Methylnaphthalene	0.632	0.628		-0.6	
Hexachlorocyclopentadiene	0.188	0.217	0.050	15.4	
2,4,6-Trichlorophenol	0.382	0.408		6.8	20.0
2-Fluorobiphenyl	1.210	1.182		-2.3	
2,4,5-Trichlorophenol	0.394	0.398		1.0	
1,1-Biphenyl	1.392	1.379		-0.9	
2-Chloronaphthalene	1.121	1.123		0.2	
2-Nitroaniline	0.343	0.368		7.3	
Dimethylphthalate	1.246	1.243		-0.2	
Acenaphthylene	1.621	1.606		-0.9	
2,6-Dinitrotoluene	0.270	0.288		6.7	
3-Nitroaniline	0.278	0.290		4.3	
Acenaphthene	1.049	1.063		1.3	20.0
2,4-Dinitrophenol	0.093	0.135	0.050	45.2	
4-Nitrophenol	0.214	0.236	0.050	10.3	



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: SCHE03

Lab Code: CHEM Case No.: P4385 SAS No.: P4385 SDG No.: P4385

Instrument ID: BNA_F Calibration Date/Time: 10/22/2024 09:39

Lab File ID: BF139917.D Init. Calib. Date(s): 10/18/2024 10/18/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:27 13:46

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.505	1.486		-1.3	
2,4-Dinitrotoluene	0.332	0.383		15.4	
Diethylphthalate	1.223	1.207		-1.3	
4-Chlorophenyl-phenylether	0.579	0.588		1.6	
Fluorene	1.146	1.131		-1.3	
4-Nitroaniline	0.263	0.284		8.0	
4,6-Dinitro-2-methylphenol	0.082	0.110		34.1	
n-Nitrosodiphenylamine	0.599	0.590		-1.5	20.0
2,4,6-Tribromophenol	0.187	0.203		8.6	
4-Bromophenyl-phenylether	0.206	0.210		1.9	
Hexachlorobenzene	0.232	0.234		0.9	
Atrazine	0.162	0.167		3.1	
Pentachlorophenol	0.141	0.161		14.2	20.0
Phenanthrene	0.945	0.922		-2.4	
Anthracene	0.922	0.911		-1.2	
Carbazole	0.857	0.835		-2.6	
Di-n-butylphthalate	0.990	0.962		-2.8	
Fluoranthene	0.955	0.943		-1.3	20.0
Pyrene	1.751	1.947		11.2	
Terphenyl-d14	1.227	1.333		8.6	
Butylbenzylphthalate	0.525	0.554		5.5	
3,3-Dichlorobenzidine	0.380	0.418		10.0	
Benzo (a) anthracene	1.302	1.298		-0.3	
Chrysene	1.194	1.200		0.5	
Bis(2-ethylhexyl)phthalate	0.589	0.653		10.9	
Di-n-octyl phthalate	1.071	1.174		9.6	20.0
Benzo (b) fluoranthene	1.218	1.212		-0.5	
Benzo (k) fluoranthene	1.051	0.968		-7.9	
Benzo (a) pyrene	1.002	1.008		0.6	20.0
Indeno (1,2,3-cd) pyrene	1.287	1.475		14.6	
Dibenzo (a,h) anthracene	1.073	1.220		13.7	
Benzo (g,h,i) perylene	1.072	1.265		18.0	
1,2,4,5-Tetrachlorobenzene	0.540	0.546		1.1	
1,4-Dioxane	0.596	0.558		-6.4	20.0
2,3,4,6-Tetrachlorophenol	0.309	0.325		5.2	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
 Data File : BF139917.D
 Acq On : 22 Oct 2024 09:39
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024
 Supervised By :mohammad ahmed 10/24/2024

Quant Time: Oct 22 11:02:29 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Oct 18 15:07:50 2024

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	157034	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	594103	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	330233	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	578135	20.000	ng	0.00
76) Chrysene-d12	14.057	240	280536	20.000	ng	0.00
86) Perylene-d12	15.533	264	304746	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	792102	78.965	ng	0.00
7) Phenol-d6	6.510	99	1010763	77.800	ng	0.00
23) Nitrobenzene-d5	7.457	82	903028	84.243	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	267638	86.645	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	1560826	78.114	ng	0.00
79) Terphenyl-d14	12.998	244	1495313	86.855	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.663	88	175316	37.485	ng	96
3) Pyridine	3.428	79	440722	38.017	ng	99
4) n-Nitrosodimethylamine	3.375	42	230336	36.981	ng	99
6) Aniline	6.557	93	474202	39.164	ng	98
8) 2-Chlorophenol	6.675	128	411136	40.092	ng	99
9) Benzaldehyde	6.445	77	286517	39.203	ng	98
10) Phenol	6.528	94	522284m	38.994	ng	
11) bis(2-Chloroethyl)ether	6.628	93	402500	38.880	ng	100
12) 1,3-Dichlorobenzene	6.834	146	470288	39.951	ng	100
13) 1,4-Dichlorobenzene	6.910	146	474070	40.310	ng	99
14) 1,2-Dichlorobenzene	7.063	146	441672	40.239	ng	99
15) Benzyl Alcohol	7.028	79	377244	39.585	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.169	45	662610	37.537	ng	98
17) 2-Methylphenol	7.134	107	343455	39.278	ng	100
18) Hexachloroethane	7.404	117	169645	40.451	ng	98
19) n-Nitroso-di-n-propyla...	7.304	70	296747	37.661	ng	99
20) 3+4-Methylphenols	7.292	107	440628	39.396	ng	# 86
22) Acetophenone	7.298	105	567546	39.002	ng	99
24) Nitrobenzene	7.475	77	477214	40.605	ng	99
25) Isophorone	7.710	82	796423	39.145	ng	99
26) 2-Nitrophenol	7.786	139	206070	46.478	ng	98
27) 2,4-Dimethylphenol	7.822	122	289948	39.219	ng	99
28) bis(2-Chloroethoxy)met...	7.922	93	482543	39.147	ng	100
29) 2,4-Dichlorophenol	8.028	162	341734	40.582	ng	98
30) 1,2,4-Trichlorobenzene	8.116	180	380695	40.857	ng	98
31) Naphthalene	8.198	128	1225906	40.010	ng	100
32) Benzoic acid	7.922	122	286938	44.500	ng	98
33) 4-Chloroaniline	8.239	127	417075	39.919	ng	99
34) Hexachlorobutadiene	8.316	225	242379	41.401	ng	99
35) Caprolactam	8.610	113	105882	39.545	ng	95
36) 4-Chloro-3-methylphenol	8.716	107	370787	39.766	ng	97
37) 2-Methylnaphthalene	8.886	142	746472	39.779	ng	99
38) 1-Methylnaphthalene	8.986	142	731982	39.758	ng	100
40) 1,2,4,5-Tetrachloroben...	9.051	216	360354	40.448	ng	99
41) Hexachlorocyclopentadiene	9.039	237	143286	46.222	ng	99
43) 2,4,6-Trichlorophenol	9.163	196	269189	42.677	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
 Data File : BF139917.D
 Acq On : 22 Oct 2024 09:39
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024
 Supervised By :mohammad ahmed 10/24/2024

Quant Time: Oct 22 11:02:29 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Oct 18 15:07:50 2024

Response via : Initial Calibration

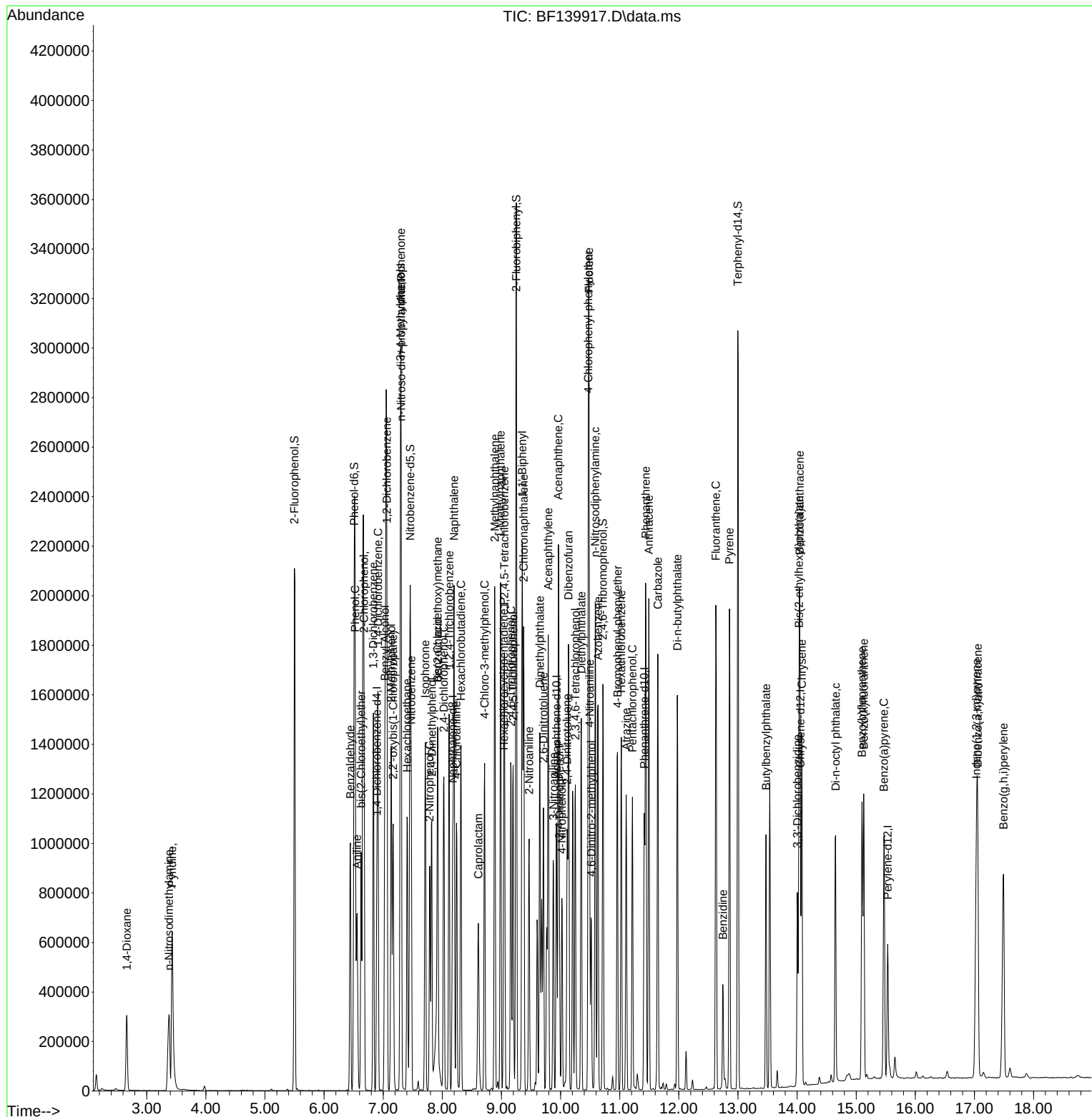
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	263183	40.442	ng	98
46) 1,1'-Biphenyl	9.351	154	910650	39.612	ng	99
47) 2-Chloronaphthalene	9.375	162	741422	40.043	ng	99
48) 2-Nitroaniline	9.469	65	243026	42.915	ng	93
49) Acenaphthylene	9.792	152	1060749	39.627	ng	99
50) Dimethylphthalate	9.651	163	820693	39.899	ng	99
51) 2,6-Dinitrotoluene	9.710	165	190126	42.689	ng	99
52) Acenaphthene	9.963	154	702273	40.556	ng	99
53) 3-Nitroaniline	9.880	138	191523	41.700	ng	96
54) 2,4-Dinitrophenol	9.980	184	89411	50.904	ng	# 9
55) Dibenzofuran	10.133	168	981598	39.509	ng	99
56) 4-Nitrophenol	10.022	139	156168	44.196	ng	99
57) 2,4-Dinitrotoluene	10.110	165	252856	46.168	ng	99
58) Fluorene	10.480	166	747301	39.491	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.251	232	214535	42.053	ng	97
60) Diethylphthalate	10.351	149	796944	39.460	ng	100
61) 4-Chlorophenyl-phenyle...	10.469	204	388061	40.608	ng	98
62) 4-Nitroaniline	10.492	138	187391	43.200	ng	96
63) Azobenzene	10.633	77	824845	38.524	ng	97
65) 4,6-Dinitro-2-methylph...	10.522	198	126995	53.853	ng	90
66) n-Nitrosodiphenylamine	10.586	169	681909	39.409	ng	99
67) 4-Bromophenyl-phenylether	10.963	248	242840	40.773	ng	96
68) Hexachlorobenzene	11.027	284	270916	40.445	ng	97
69) Atrazine	11.110	200	192753	41.123	ng	100
70) Pentachlorophenol	11.216	266	186612	45.904	ng	99
71) Phenanthrene	11.439	178	1066175	39.042	ng	100
72) Anthracene	11.492	178	1053026	39.521	ng	100
73) Carbazole	11.645	167	965787	38.974	ng	99
74) Di-n-butylphthalate	11.974	149	1112257	38.850	ng	99
75) Fluoranthene	12.627	202	1090098	39.486	ng	100
77) Benzidine	12.745	184	233192	50.551	ng	98
78) Pyrene	12.857	202	1092350	44.484	ng	100
80) Butylbenzylphthalate	13.474	149	310703	42.204	ng	100
81) Benzo(a)anthracene	14.045	228	728511	39.892	ng	100
82) 3,3'-Dichlorobenzidine	14.004	252	234479	44.037	ng	99
83) Chrysene	14.080	228	673549	40.226	ng	100
84) Bis(2-ethylhexyl)phtha...	14.033	149	366338	44.352	ng	100
85) Di-n-octyl phthalate	14.651	149	658693	43.844	ng	98
87) Indeno(1,2,3-cd)pyrene	17.033	276	899248	45.868	ng	98
88) Benzo(b)fluoranthene	15.098	252	738627	39.789	ng	100
89) Benzo(k)fluoranthene	15.127	252	589817	36.841	ng	100
90) Benzo(a)pyrene	15.468	252	614376	40.221	ng	99
91) Dibenzo(a,h)anthracene	17.056	278	743480	45.459	ng	98
92) Benzo(g,h,i)perylene	17.492	276	770798	47.183	ng	98

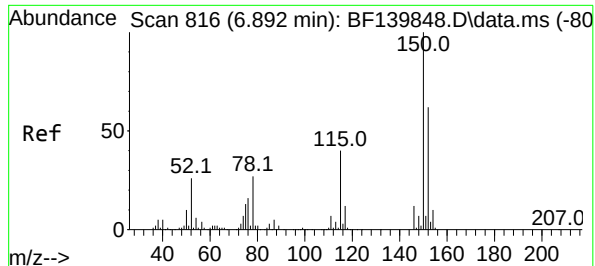
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

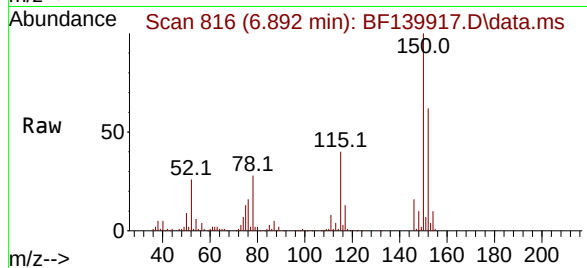
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 816
Delta R.T. 0.000 min
Lab File: BF139917.D
Acq: 22 Oct 2024 09:39

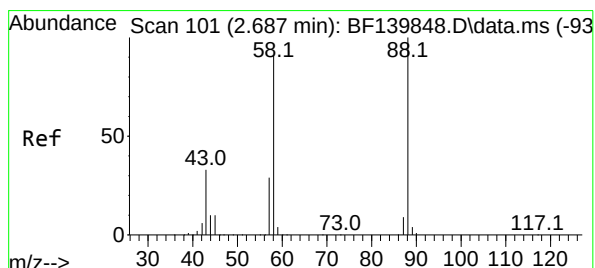
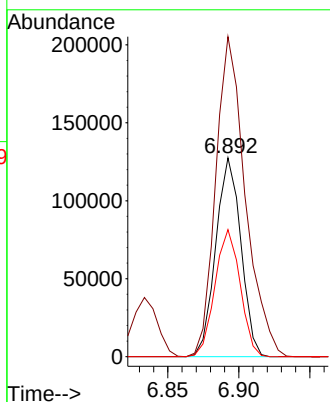
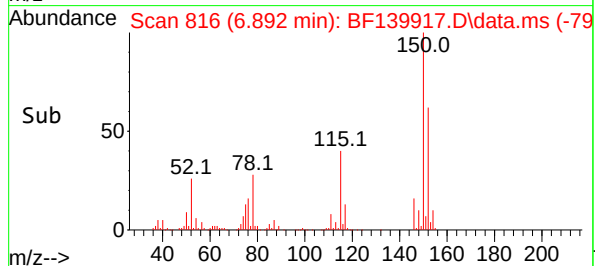
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:152 Resp: 157034
Ion Ratio Lower Upper
152 100
150 160.8 130.2 195.2
115 63.9 51.4 77.2

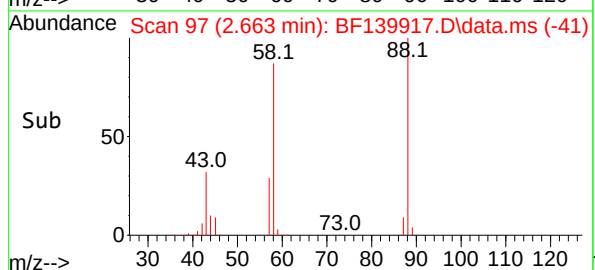
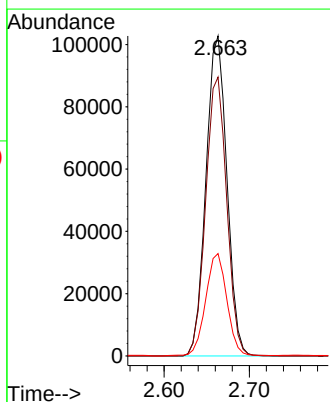
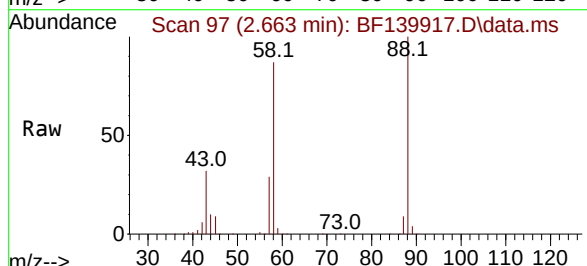
Manual Integrations
APPROVED

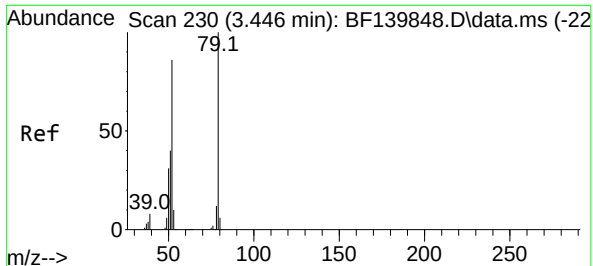
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#2
1,4-Dioxane
Concen: 37.485 ng
RT: 2.663 min Scan# 97
Delta R.T. -0.023 min
Lab File: BF139917.D
Acq: 22 Oct 2024 09:39

Tgt Ion: 88 Resp: 175316
Ion Ratio Lower Upper
88 100
58 87.6 73.3 109.9
43 32.7 27.1 40.7





#3

Pyridine

Concen: 38.017 ng

RT: 3.428 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF139917.D

Acq: 22 Oct 2024 09:39

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 79 Resp: 44072

Ion Ratio Lower Upper

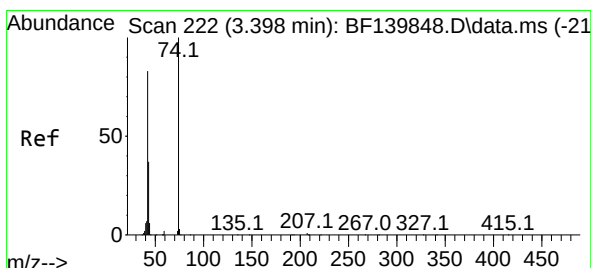
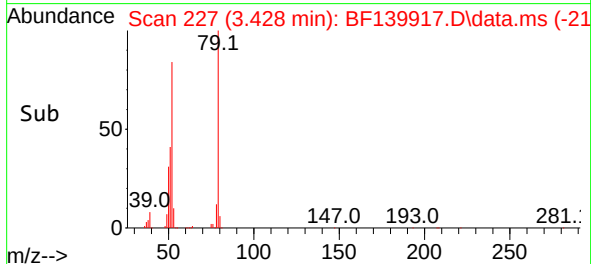
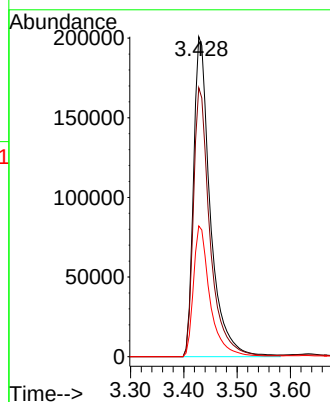
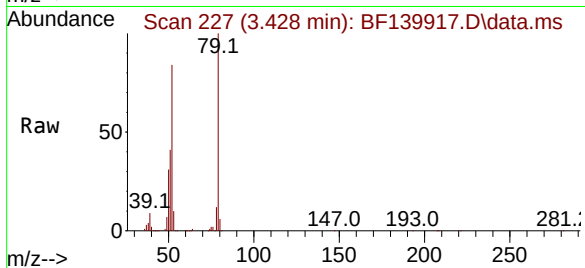
79 100

52 84.1 68.5 102.7

51 40.9 32.3 48.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

#4

n-Nitrosodimethylamine

Concen: 36.981 ng

RT: 3.375 min Scan# 218

Delta R.T. -0.023 min

Lab File: BF139917.D

Acq: 22 Oct 2024 09:39

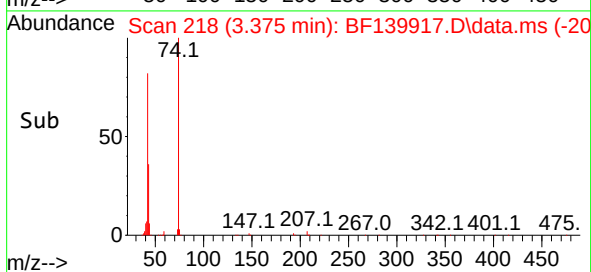
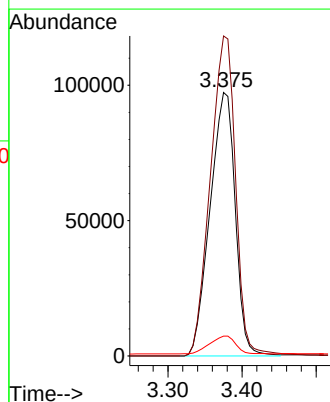
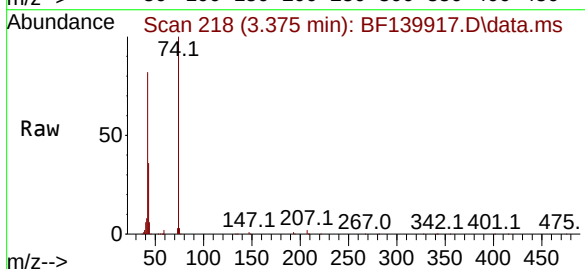
Tgt Ion: 42 Resp: 230336

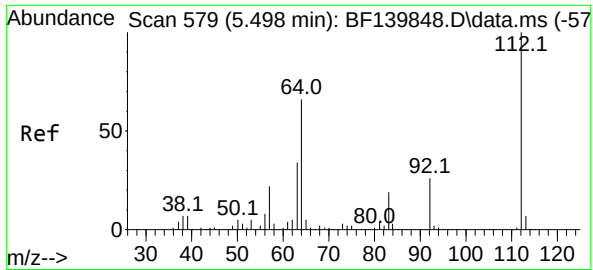
Ion Ratio Lower Upper

42 100

74 121.4 96.2 144.4

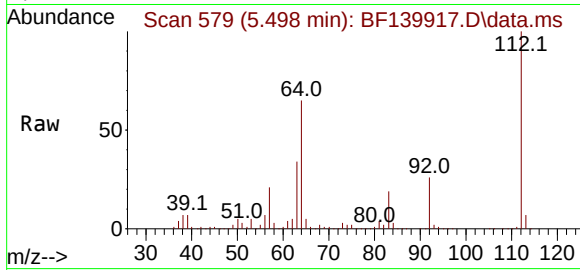
44 7.5 6.2 9.2





#5
2-Fluorophenol
Concen: 78.965 ng
RT: 5.498 min Scan# 51
Delta R.T. 0.000 min
Lab File: BF139917.D
Acq: 22 Oct 2024 09:39

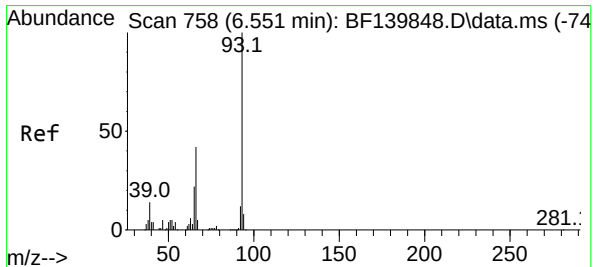
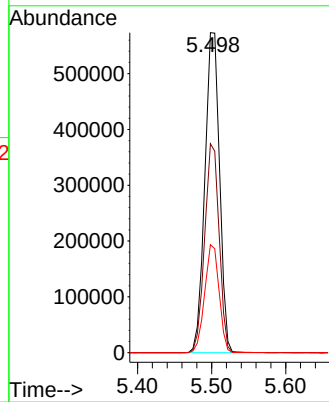
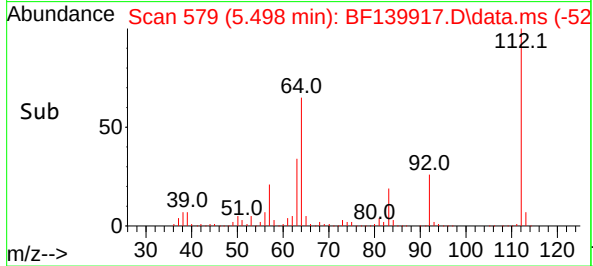
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion: 112 Resp: 792102
Ion Ratio Lower Upper
112 100
64 65.3 53.0 79.6
63 33.7 27.0 40.4

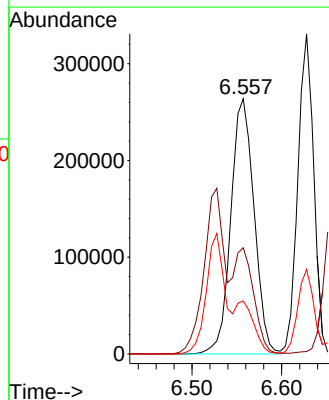
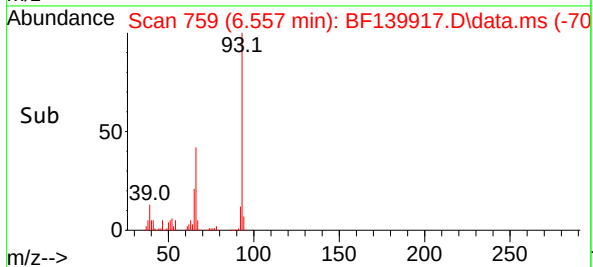
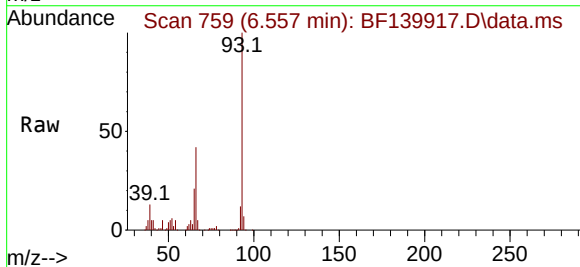
Manual Integrations
APPROVED

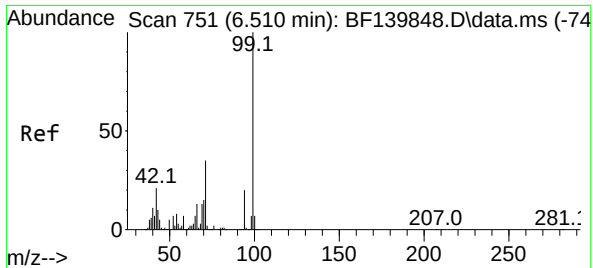
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#6
Aniline
Concen: 39.164 ng
RT: 6.557 min Scan# 759
Delta R.T. 0.006 min
Lab File: BF139917.D
Acq: 22 Oct 2024 09:39

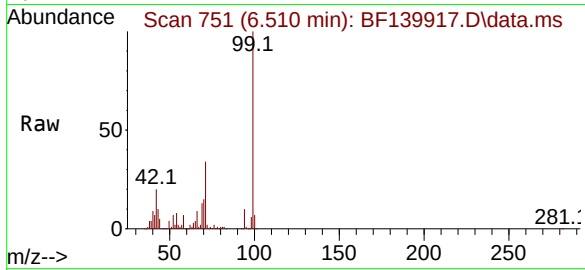
Tgt Ion: 93 Resp: 474202
Ion Ratio Lower Upper
93 100
66 41.6 34.0 51.0
65 20.7 17.4 26.0





#7
Phenol-d6
Concen: 77.800 ng
RT: 6.510 min Scan# 751
Delta R.T. 0.000 min
Lab File: BF139917.D
Acq: 22 Oct 2024 09:39

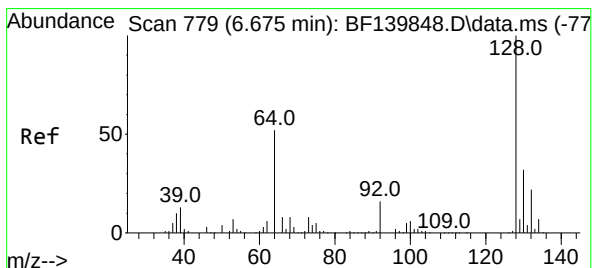
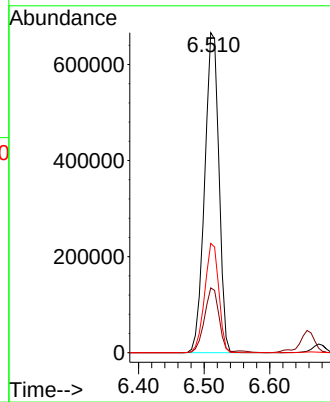
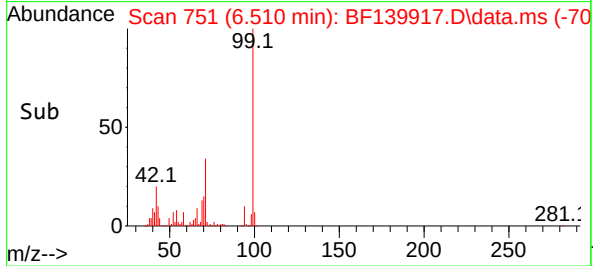
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion: 99 Resp: 101076
Ion Ratio Lower Upper
99 100
42 20.2 16.7 25.1
71 34.1 27.7 41.5

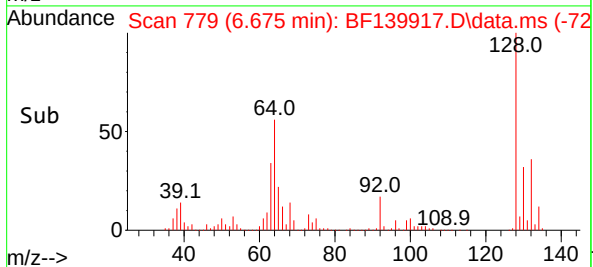
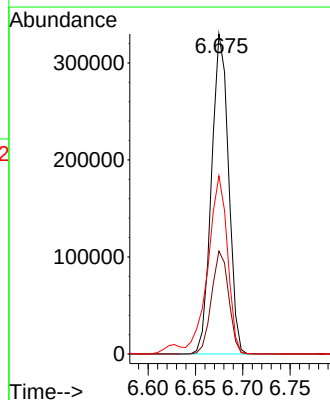
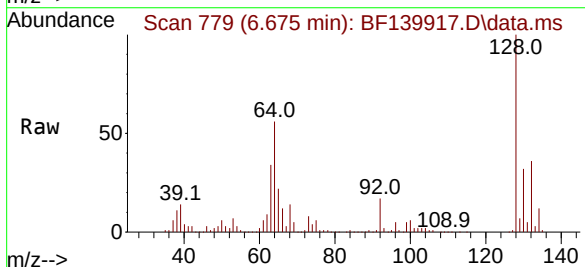
Manual Integrations
APPROVED

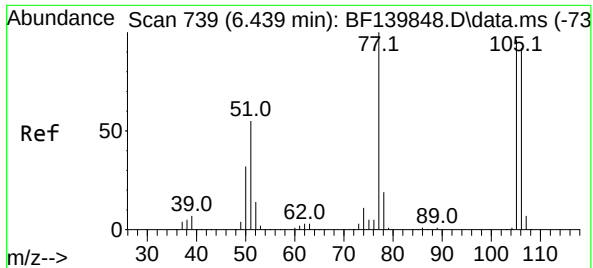
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#8
2-Chlorophenol
Concen: 40.092 ng
RT: 6.675 min Scan# 779
Delta R.T. 0.000 min
Lab File: BF139917.D
Acq: 22 Oct 2024 09:39

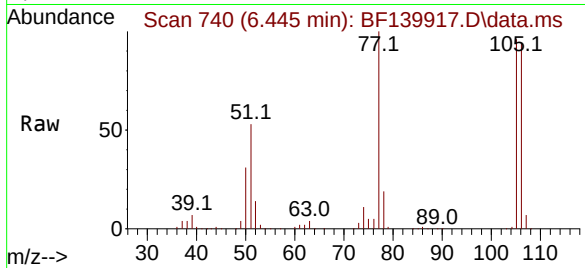
Tgt Ion:128 Resp: 411136
Ion Ratio Lower Upper
128 100
130 32.2 12.3 52.3
64 55.6 34.6 74.6





#9
Benzaldehyde
Concen: 39.203 ng
RT: 6.445 min Scan# 740
Delta R.T. 0.006 min
Lab File: BF139917.D
Acq: 22 Oct 2024 09:39

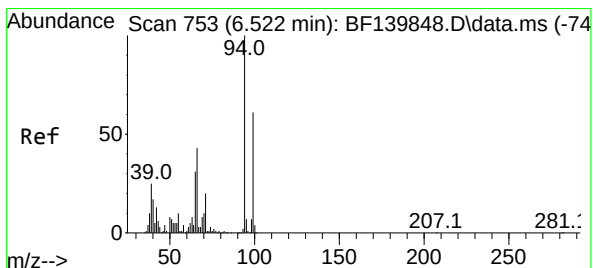
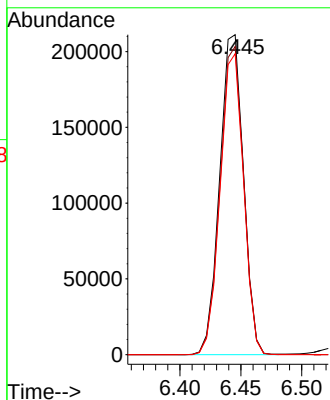
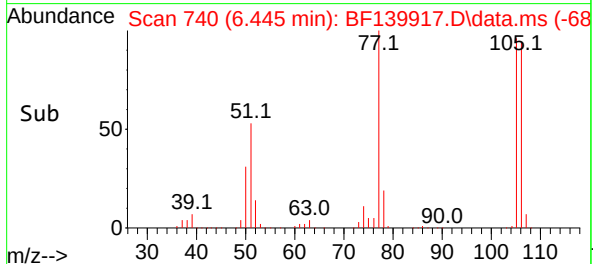
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



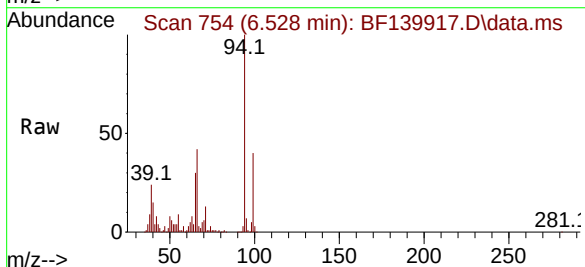
Tgt Ion: 77 Resp: 28651
Ion Ratio Lower Upper
77 100
105 96.3 75.5 115.5
106 94.0 71.7 111.7

Manual Integrations
APPROVED

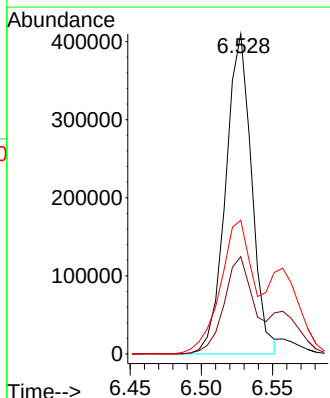
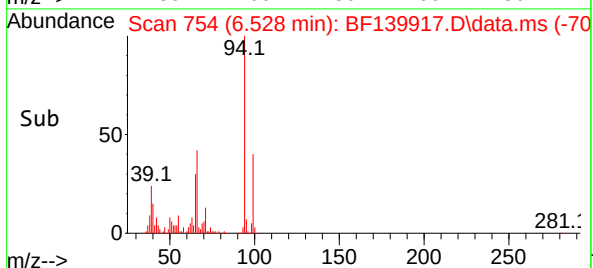
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

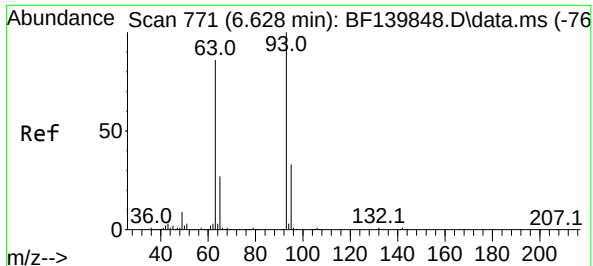


#10
Phenol
Concen: 38.994 ng m
RT: 6.528 min Scan# 754
Delta R.T. 0.006 min
Lab File: BF139917.D
Acq: 22 Oct 2024 09:39



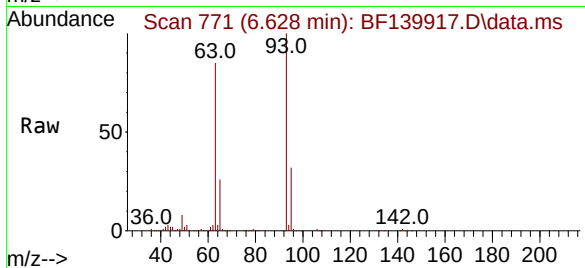
Tgt Ion: 94 Resp: 522284
Ion Ratio Lower Upper
94 100
65 30.4 11.1 51.1
66 41.8 22.7 62.7





#11
bis(2-Chloroethyl)ether
Concen: 38.880 ng
RT: 6.628 min Scan# 771
Delta R.T. 0.000 min
Lab File: BF139917.D
Acq: 22 Oct 2024 09:39

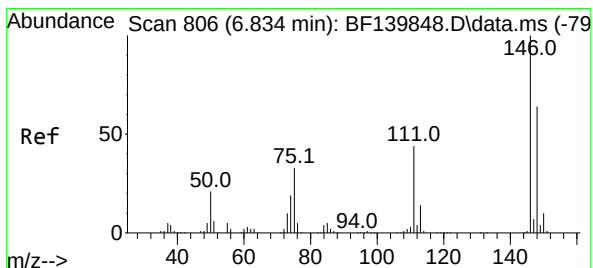
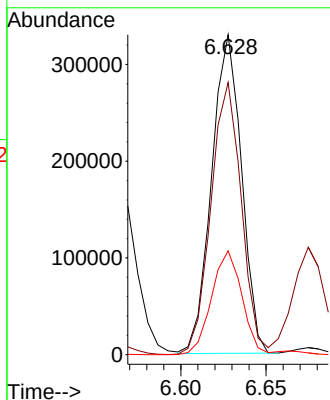
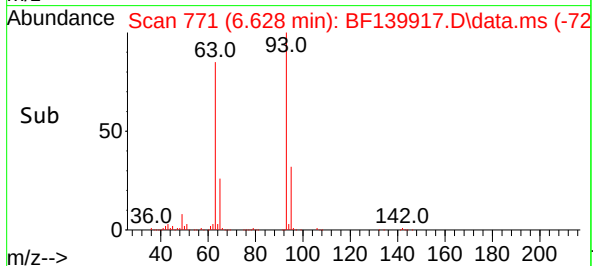
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion: 93 Resp: 402500
Ion Ratio Lower Upper
93 100
63 85.1 65.0 105.0
95 32.4 12.4 52.4

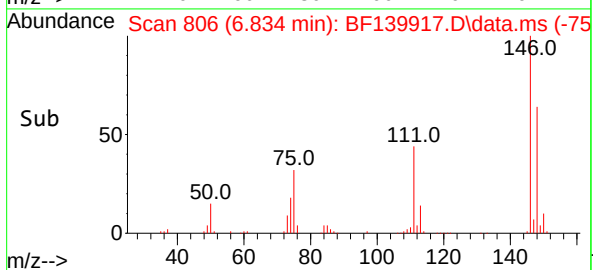
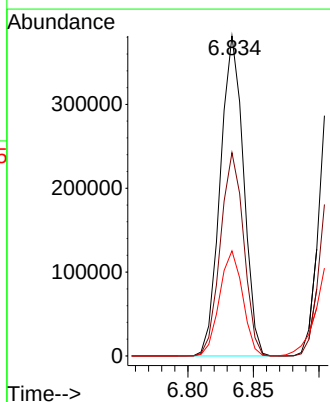
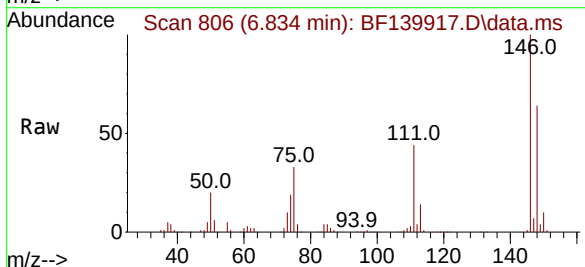
Manual Integrations
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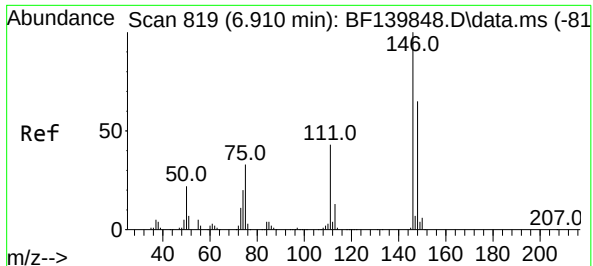
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#12
1,3-Dichlorobenzene
Concen: 39.951 ng
RT: 6.834 min Scan# 806
Delta R.T. 0.000 min
Lab File: BF139917.D
Acq: 22 Oct 2024 09:39

Tgt Ion:146 Resp: 470288
Ion Ratio Lower Upper
146 100
148 63.5 51.0 76.4
75 32.9 26.4 39.6





#13

1,4-Dichlorobenzene

Concen: 40.310 ng

RT: 6.910 min Scan# 819

Delta R.T. 0.000 min

Lab File: BF139917.D

Acq: 22 Oct 2024 09:39

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:146 Resp: 474070

Ion Ratio Lower Upper

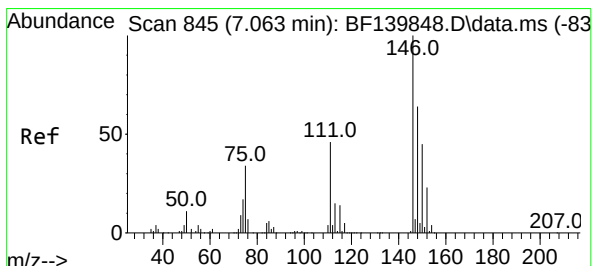
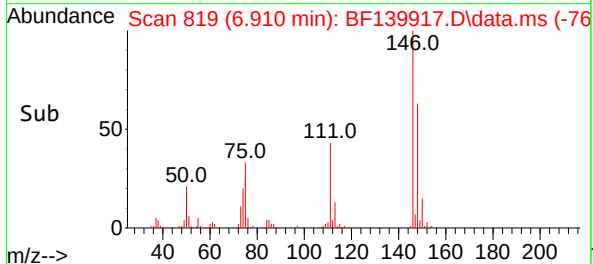
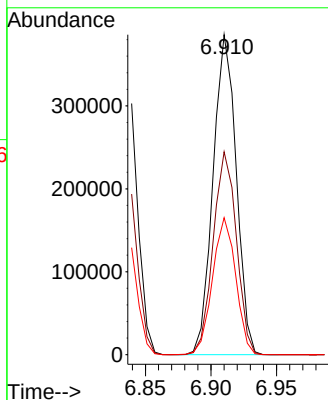
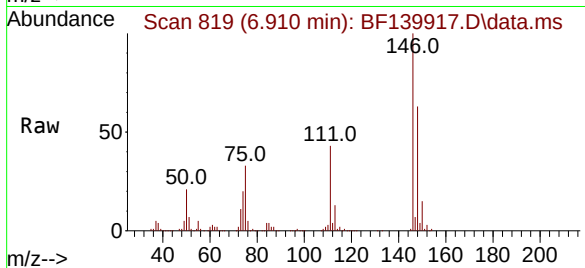
146 100

148 63.4 51.8 77.8

111 42.8 34.6 51.8

Manual Integrations

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Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

#14

1,2-Dichlorobenzene

Concen: 40.239 ng

RT: 7.063 min Scan# 845

Delta R.T. 0.000 min

Lab File: BF139917.D

Acq: 22 Oct 2024 09:39

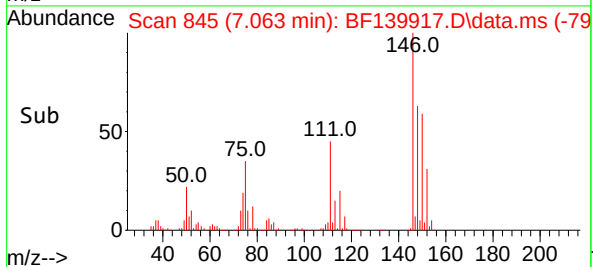
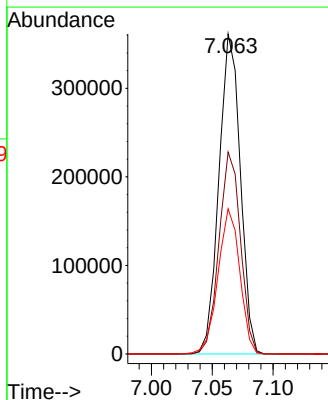
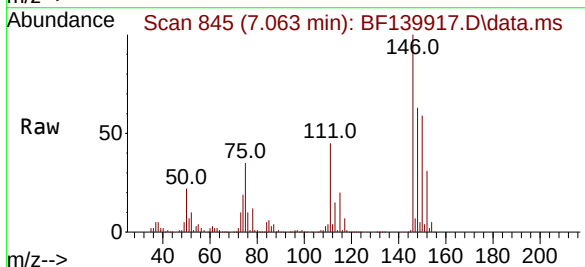
Tgt Ion:146 Resp: 441672

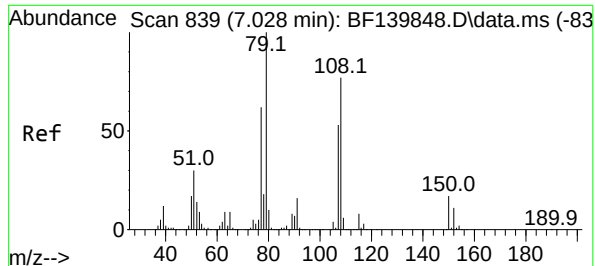
Ion Ratio Lower Upper

146 100

148 63.1 51.4 77.2

111 45.4 36.7 55.1





#15

Benzyl Alcohol

Concen: 39.585 ng

RT: 7.028 min Scan# 839

Delta R.T. 0.000 min

Lab File: BF139917.D

Acq: 22 Oct 2024 09:39

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 79 Resp: 377244

Ion Ratio Lower Upper

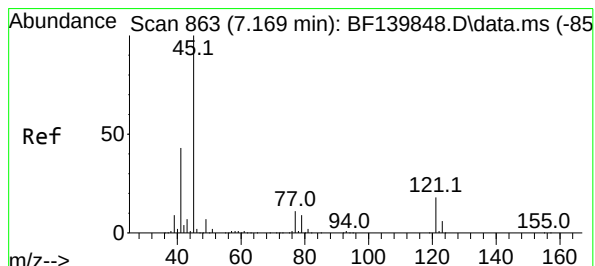
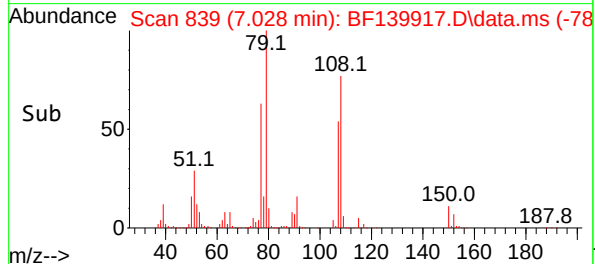
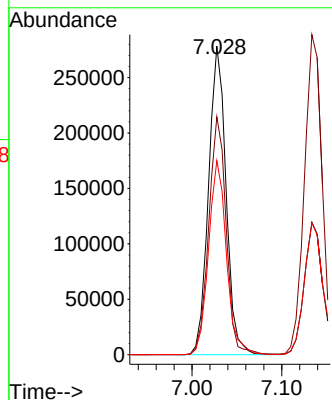
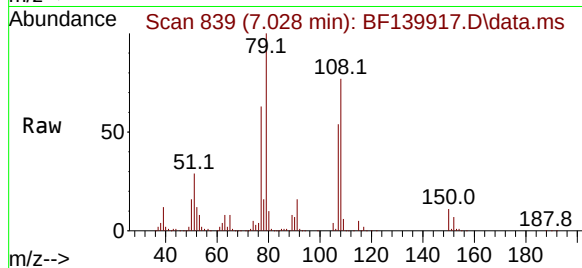
79 100

108 77.1 61.4 92.0

77 62.9 49.9 74.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

#16

2,2'-oxybis(1-Chloropropane)

Concen: 37.537 ng

RT: 7.169 min Scan# 863

Delta R.T. 0.000 min

Lab File: BF139917.D

Acq: 22 Oct 2024 09:39

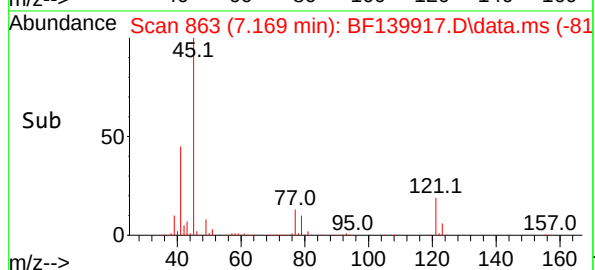
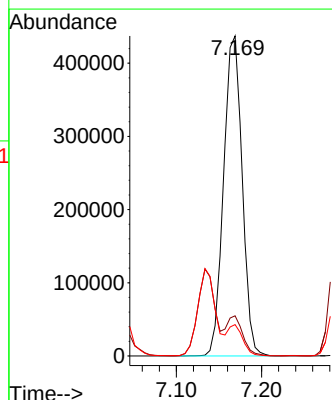
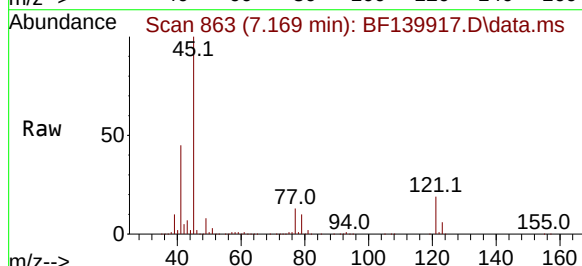
Tgt Ion: 45 Resp: 662610

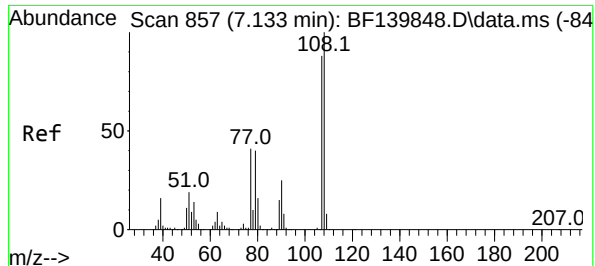
Ion Ratio Lower Upper

45 100

77 12.5 0.0 31.5

79 9.8 0.0 29.1





#17

2-Methylphenol

Concen: 39.278 ng

RT: 7.134 min Scan# 857

Delta R.T. 0.000 min

Lab File: BF139917.D

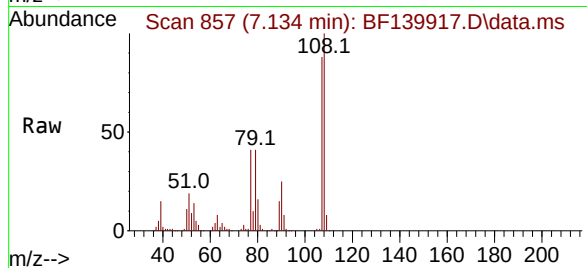
Acq: 22 Oct 2024 09:39

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:107 Resp: 34345

Ion Ratio Lower Upper

107 100

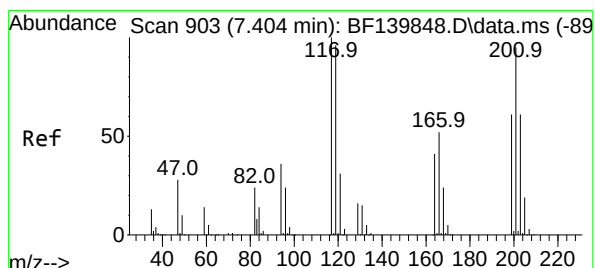
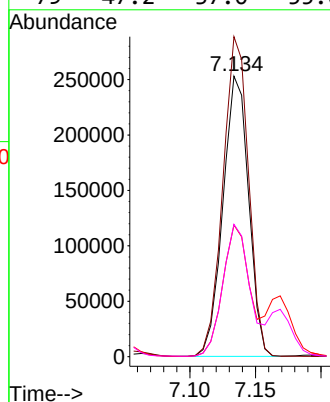
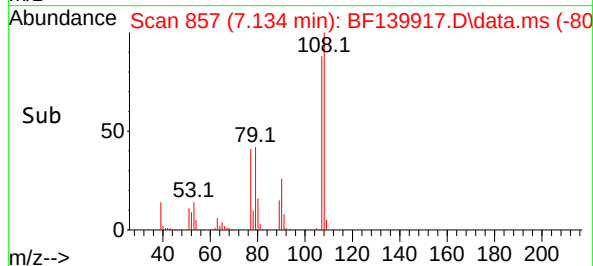
108 114.1 91.3 136.9

77 47.0 37.1 55.7

79 47.2 37.0 55.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

#18

Hexachloroethane

Concen: 40.451 ng

RT: 7.404 min Scan# 903

Delta R.T. 0.000 min

Lab File: BF139917.D

Acq: 22 Oct 2024 09:39

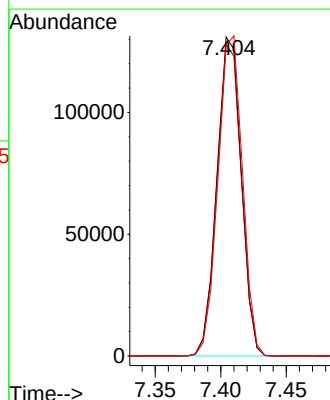
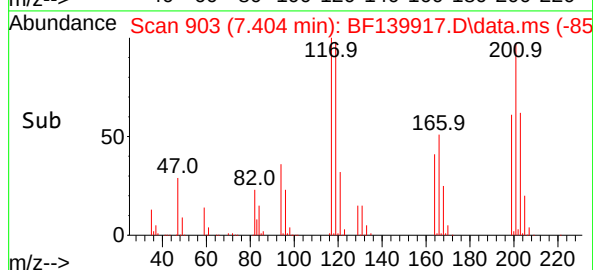
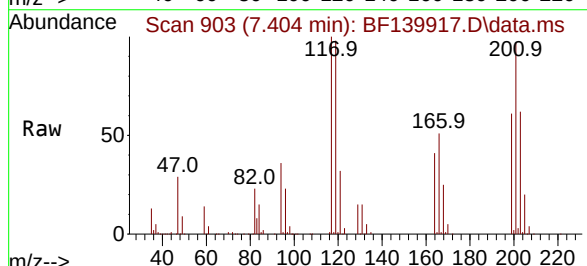
Tgt Ion:117 Resp: 169645

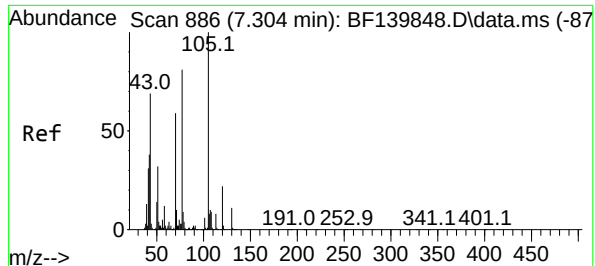
Ion Ratio Lower Upper

117 100

119 97.6 77.0 115.4

201 97.4 76.2 114.4





#19

n-Nitroso-di-n-propylamine

Concen: 37.661 ng

RT: 7.304 min Scan# 886

Delta R.T. 0.000 min

Lab File: BF139917.D

Acq: 22 Oct 2024 09:39

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 70 Resp: 29674

Ion Ratio Lower Upper

70 100

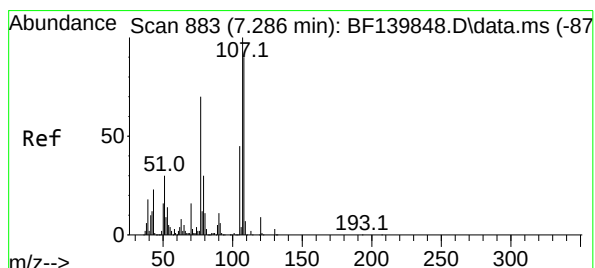
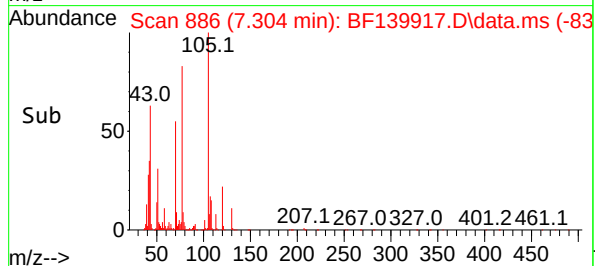
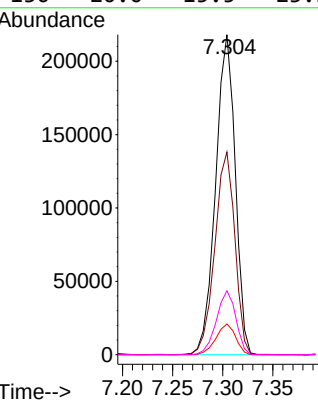
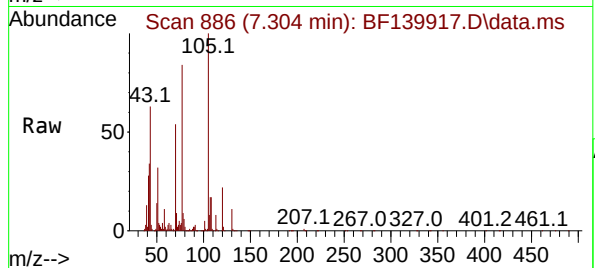
42 63.4 51.5 77.3

101 9.6 7.5 11.3

130 20.0 15.5 23.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

#20

3+4-Methylphenols

Concen: 39.396 ng

RT: 7.292 min Scan# 884

Delta R.T. 0.006 min

Lab File: BF139917.D

Acq: 22 Oct 2024 09:39

Tgt Ion:107 Resp: 440628

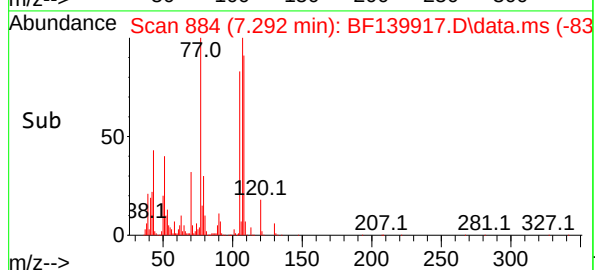
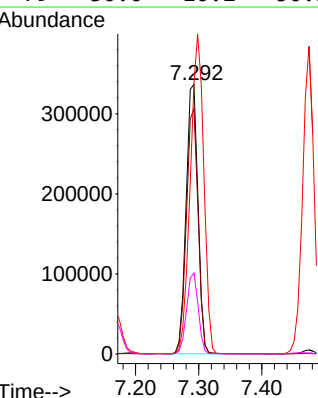
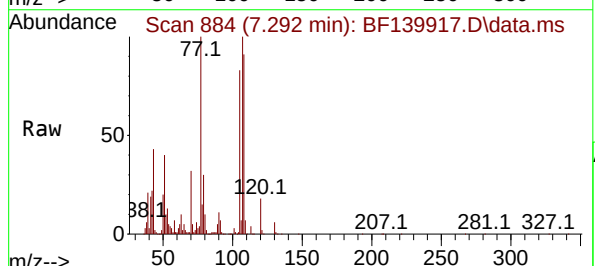
Ion Ratio Lower Upper

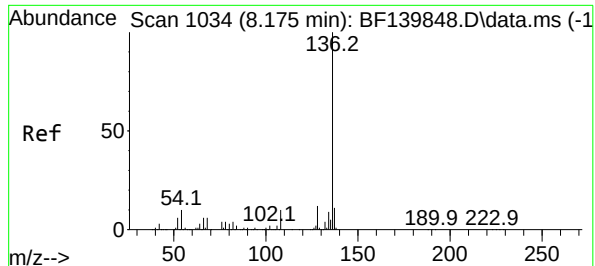
107 100

108 90.9 69.8 109.8

77 100.4 50.5 90.5#

79 30.0 10.2 50.2





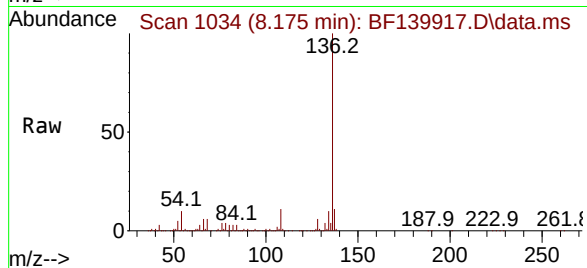
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1034
Delta R.T. 0.000 min
Lab File: BF139917.D
Acq: 22 Oct 2024 09:39

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

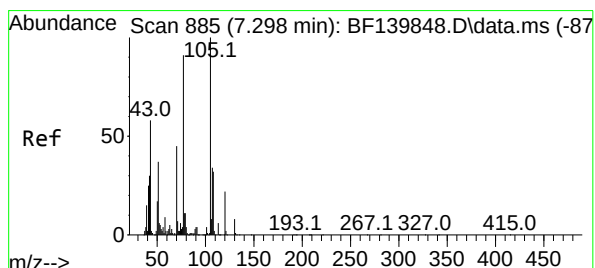
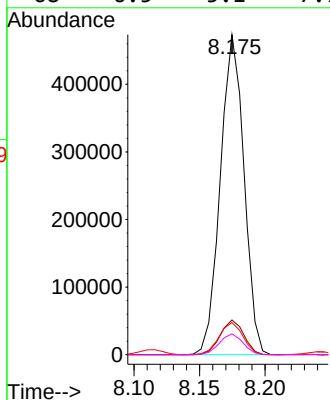
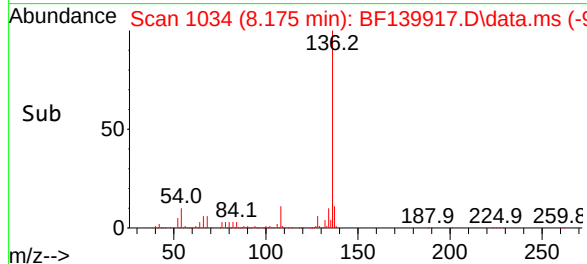


Tgt Ion:136 Resp: 59410
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 10.1 8.4 12.6
68 6.5 5.1 7.7

Manual Integrations

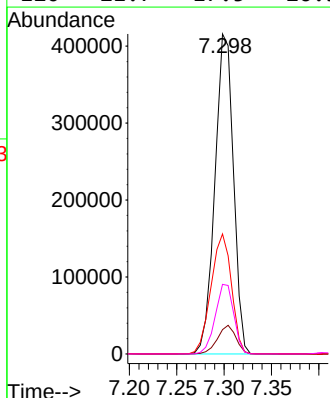
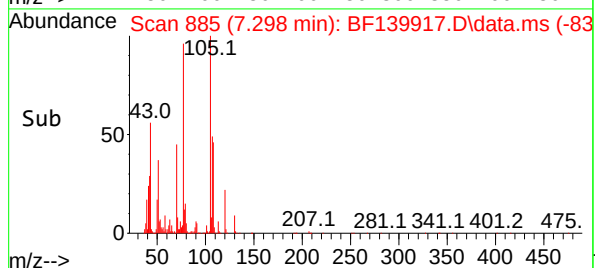
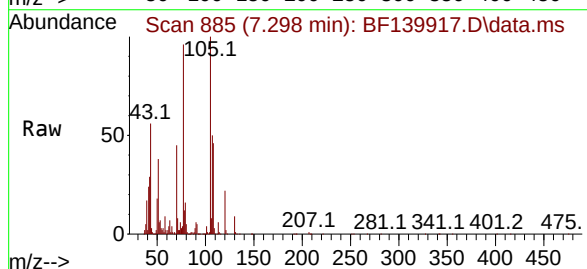
APPROVED

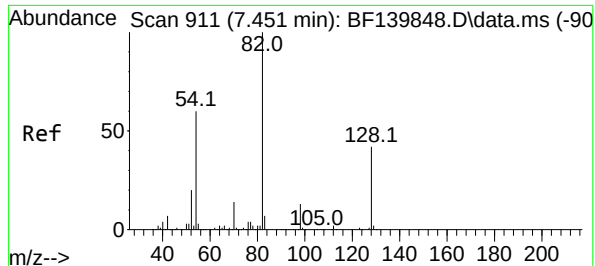
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#22
Acetophenone
Concen: 39.002 ng
RT: 7.298 min Scan# 885
Delta R.T. 0.000 min
Lab File: BF139917.D
Acq: 22 Oct 2024 09:39

Tgt Ion:105 Resp: 567546
Ion Ratio Lower Upper
105 100
71 7.6 5.9 8.9
51 37.5 29.4 44.2
120 21.7 17.5 26.3





#23

Nitrobenzene-d5

Concen: 84.243 ng

RT: 7.457 min Scan# 911

Delta R.T. 0.006 min

Lab File: BF139917.D

Acq: 22 Oct 2024 09:39

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 82 Resp: 903028

Ion Ratio Lower Upper

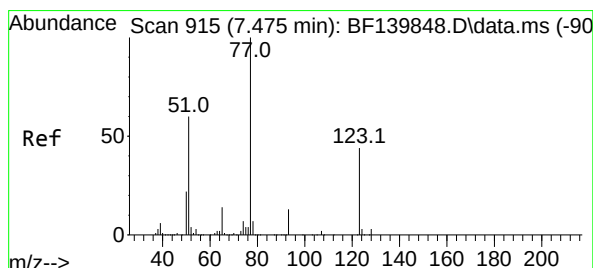
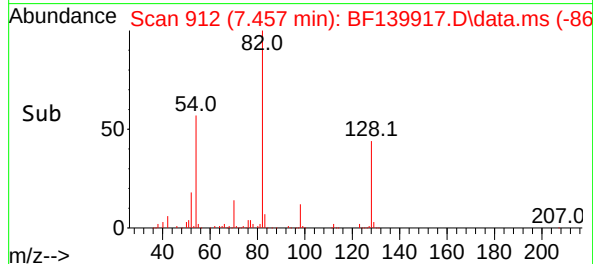
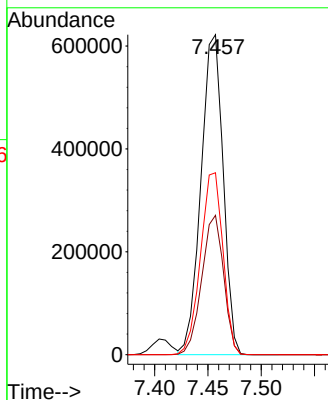
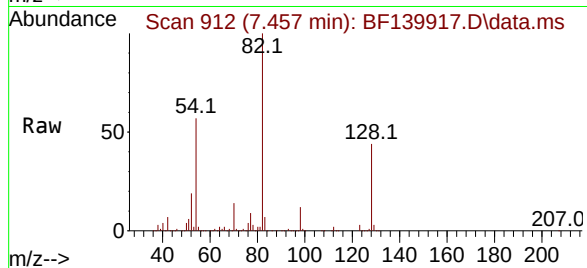
82 100

128 43.5 33.4 50.0

54 56.8 47.8 71.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

#24

Nitrobenzene

Concen: 40.605 ng

RT: 7.475 min Scan# 915

Delta R.T. 0.000 min

Lab File: BF139917.D

Acq: 22 Oct 2024 09:39

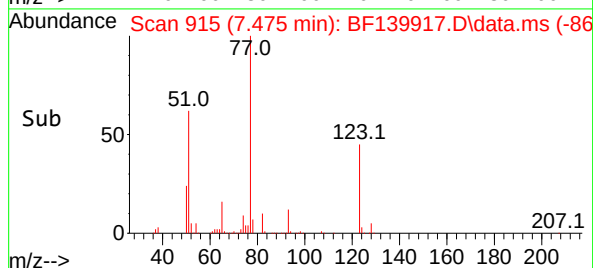
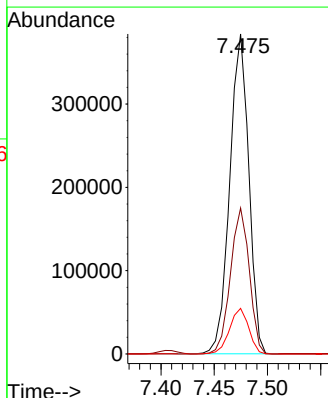
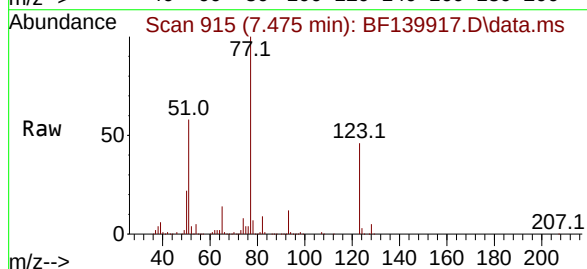
Tgt Ion: 77 Resp: 477214

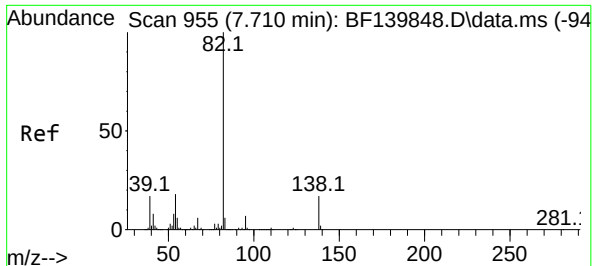
Ion Ratio Lower Upper

77 100

123 45.6 35.7 53.5

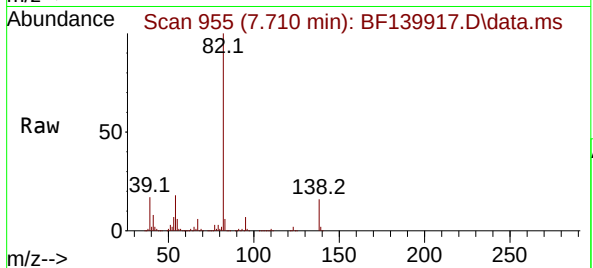
65 14.2 11.5 17.3





#25
Isophorone
Concen: 39.145 ng
RT: 7.710 min Scan# 955
Delta R.T. 0.000 min
Lab File: BF139917.D
Acq: 22 Oct 2024 09:39

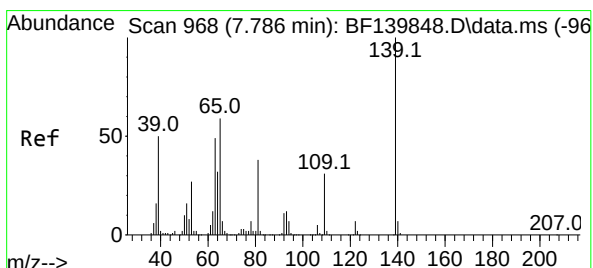
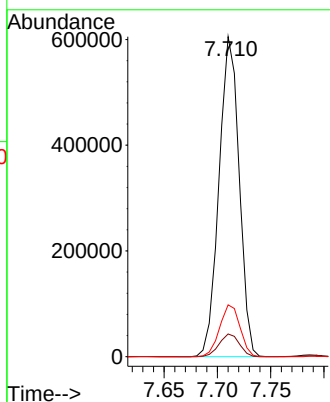
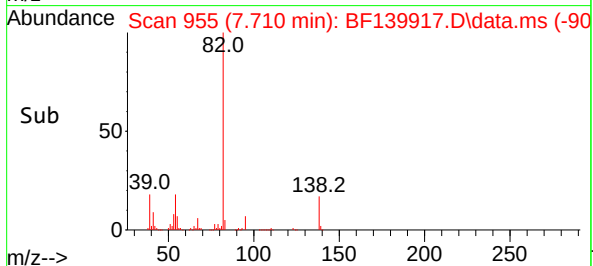
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion: 82 Resp: 796423
Ion Ratio Lower Upper
82 100
95 7.1 5.5 8.3
138 16.2 13.2 19.8

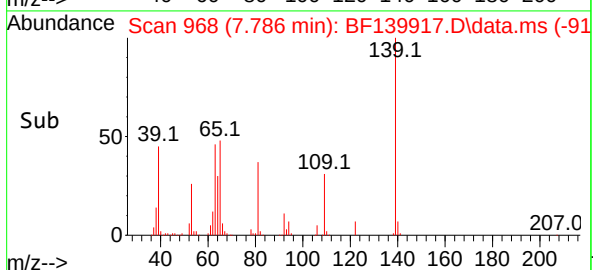
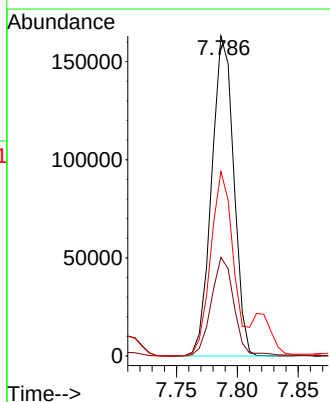
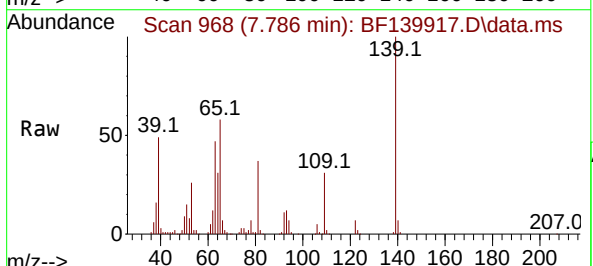
Manual Integrations
APPROVED

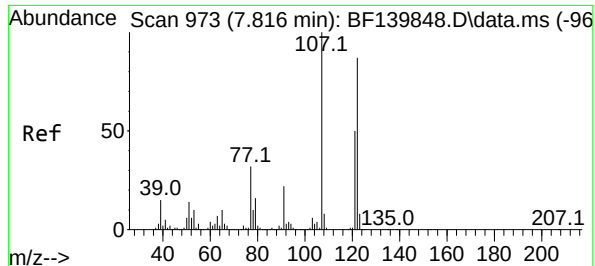
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#26
2-Nitrophenol
Concen: 46.478 ng
RT: 7.786 min Scan# 968
Delta R.T. 0.000 min
Lab File: BF139917.D
Acq: 22 Oct 2024 09:39

Tgt Ion:139 Resp: 206070
Ion Ratio Lower Upper
139 100
109 30.8 25.1 37.7
65 57.7 47.5 71.3





#27

2,4-Dimethylphenol

Concen: 39.219 ng

RT: 7.822 min Scan# 91

Delta R.T. 0.006 min

Lab File: BF139917.D

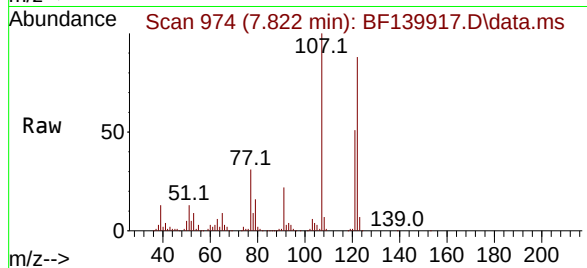
Acq: 22 Oct 2024 09:39

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:122 Resp: 28994

Ion Ratio Lower Upper

122 100

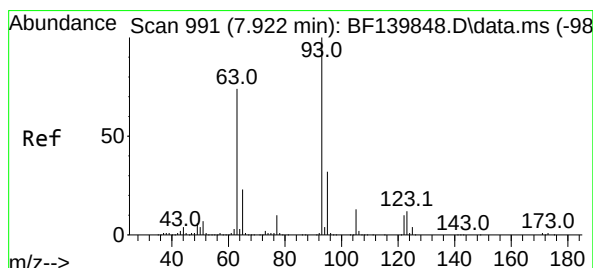
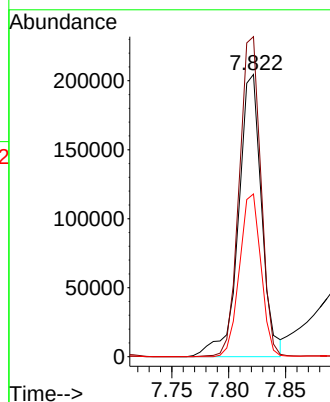
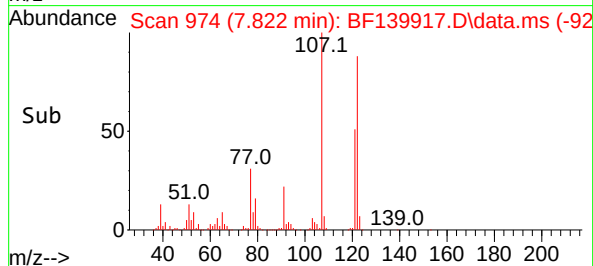
107 113.4 91.9 137.9

121 57.7 46.2 69.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024
 Supervised By :mohammad ahmed 10/24/2024



#28

bis(2-Chloroethoxy)methane

Concen: 39.147 ng

RT: 7.922 min Scan# 991

Delta R.T. 0.000 min

Lab File: BF139917.D

Acq: 22 Oct 2024 09:39

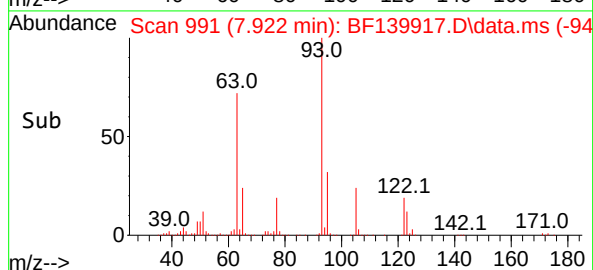
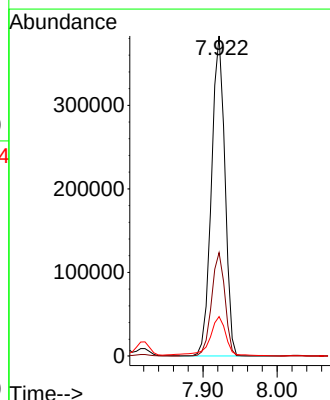
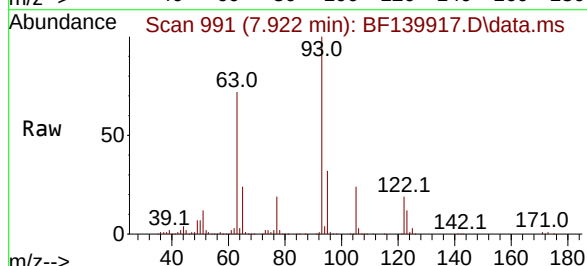
Tgt Ion: 93 Resp: 482543

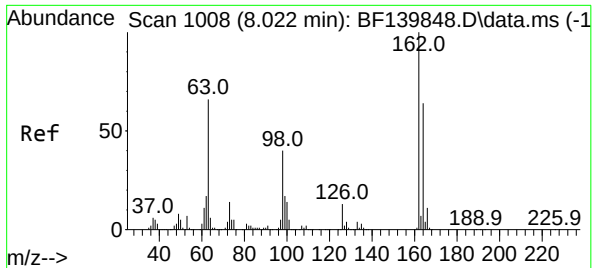
Ion Ratio Lower Upper

93 100

95 32.3 26.0 39.0

123 12.3 9.8 14.8





#29

2,4-Dichlorophenol

Concen: 40.582 ng

RT: 8.028 min Scan# 1008

Delta R.T. 0.006 min

Lab File: BF139917.D

Acq: 22 Oct 2024 09:39

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:162 Resp: 341734

Ion Ratio Lower Upper

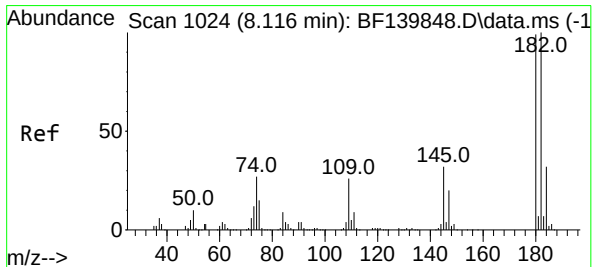
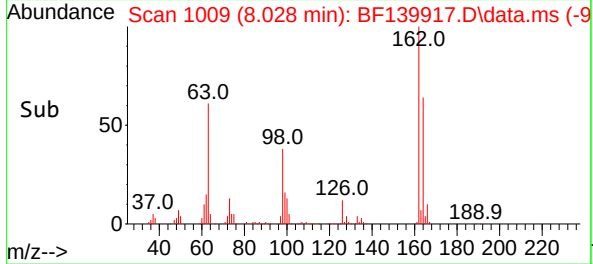
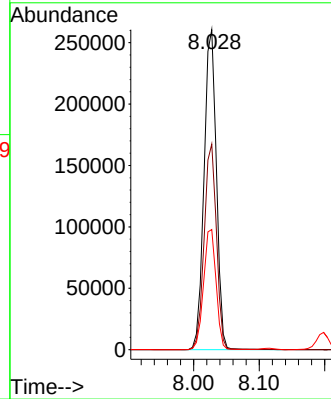
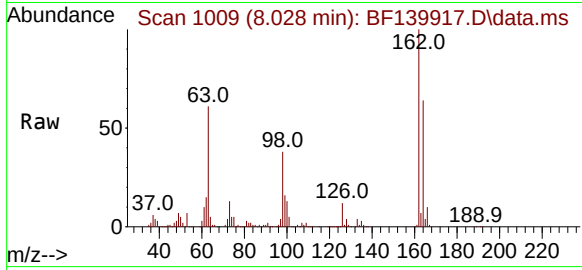
162 100

164 64.3 43.9 83.9

98 37.6 19.9 59.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

#30

1,2,4-Trichlorobenzene

Concen: 40.857 ng

RT: 8.116 min Scan# 1024

Delta R.T. 0.000 min

Lab File: BF139917.D

Acq: 22 Oct 2024 09:39

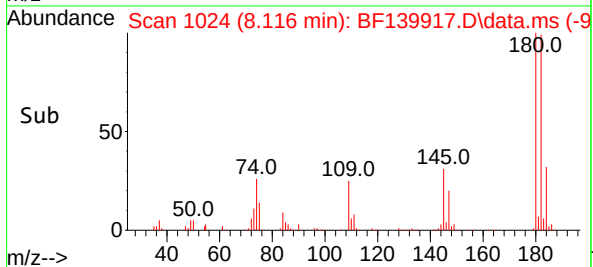
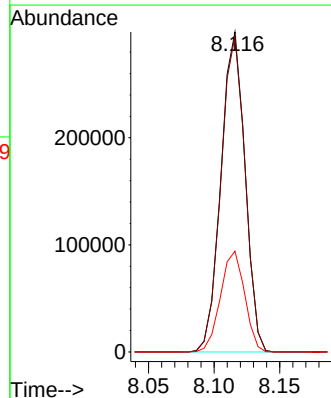
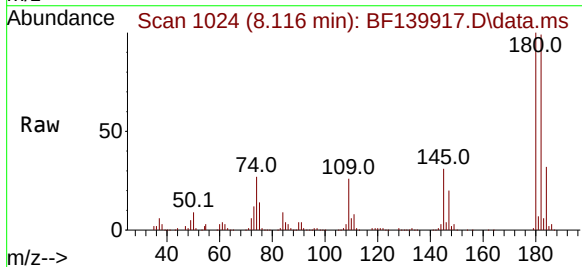
Tgt Ion:180 Resp: 380695

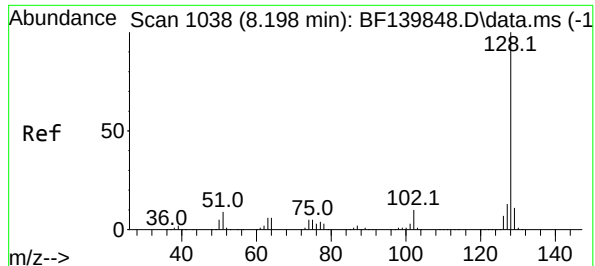
Ion Ratio Lower Upper

180 100

182 98.7 80.5 120.7

145 31.5 25.4 38.0





#31

Naphthalene

Concen: 40.010 ng

RT: 8.198 min Scan# 1038

Delta R.T. 0.000 min

Lab File: BF139917.D

Acq: 22 Oct 2024 09:39

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:128 Resp: 1225900

Ion Ratio Lower Upper

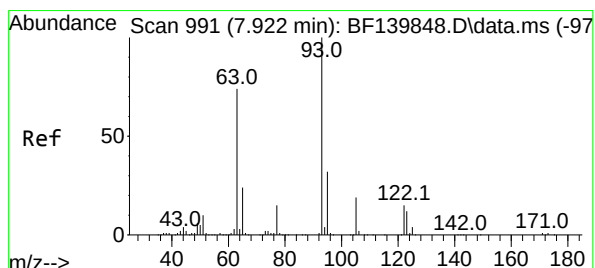
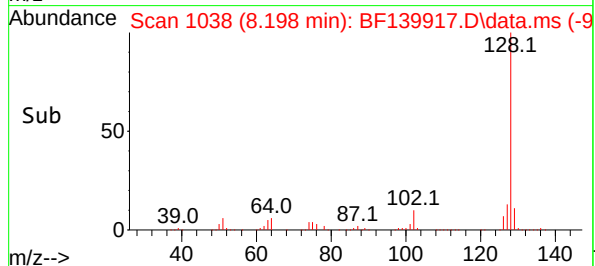
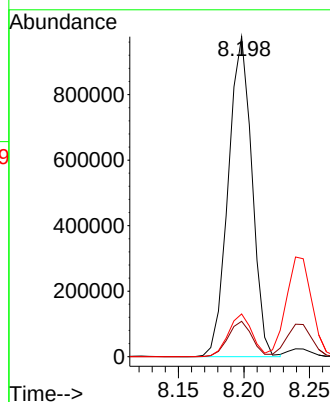
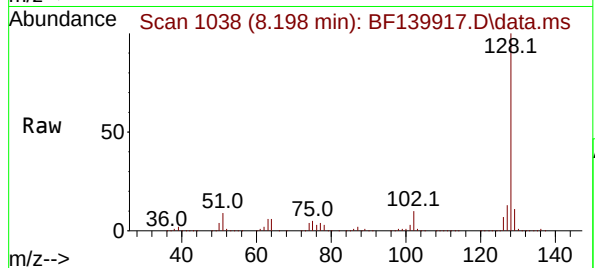
128 100

129 11.1 8.9 13.3

127 13.3 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

#32

Benzoic acid

Concen: 44.500 ng

RT: 7.922 min Scan# 991

Delta R.T. -0.000 min

Lab File: BF139917.D

Acq: 22 Oct 2024 09:39

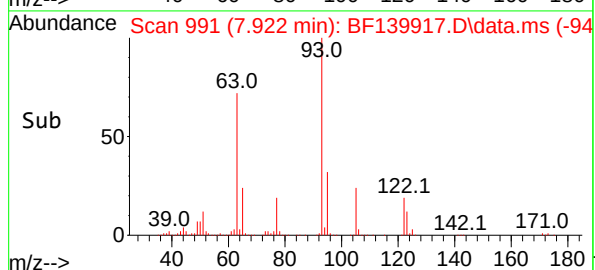
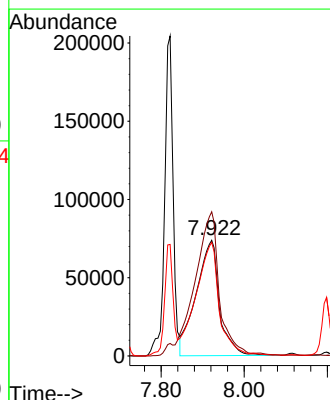
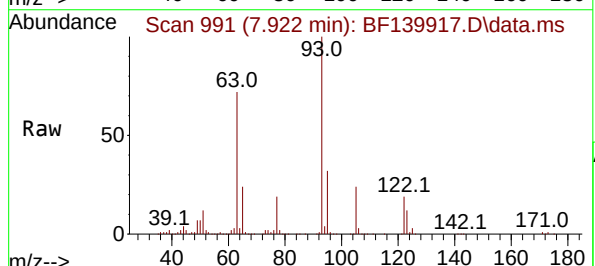
Tgt Ion:122 Resp: 286938

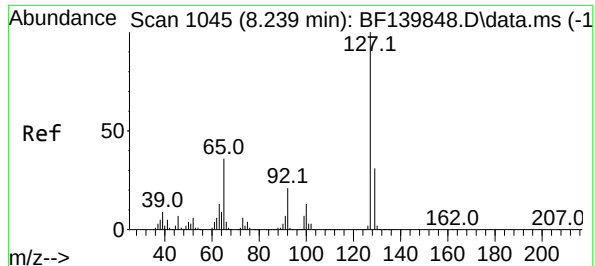
Ion Ratio Lower Upper

122 100

105 124.6 107.6 147.6

77 98.3 80.2 120.2





#33

4-Chloroaniline

Concen: 39.919 ng

RT: 8.239 min Scan# 1045

Delta R.T. 0.000 min

Lab File: BF139917.D

Acq: 22 Oct 2024 09:39

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:127 Resp: 417079

Ion Ratio Lower Upper

127 100

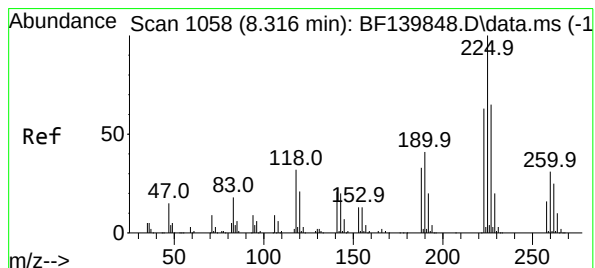
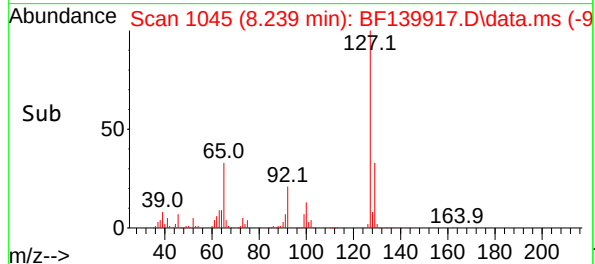
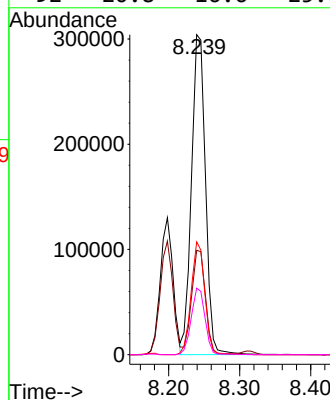
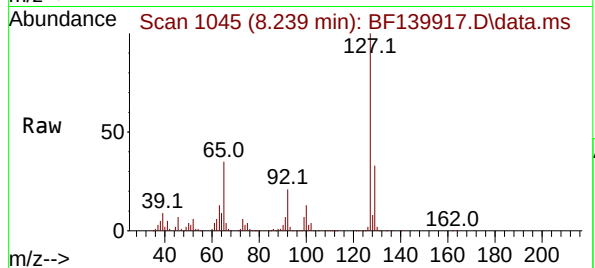
129 32.6 25.4 38.2

65 35.2 28.4 42.6

92 20.8 16.6 25.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

#34

Hexachlorobutadiene

Concen: 41.401 ng

RT: 8.316 min Scan# 1058

Delta R.T. 0.000 min

Lab File: BF139917.D

Acq: 22 Oct 2024 09:39

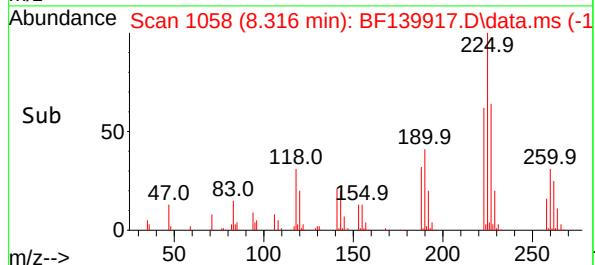
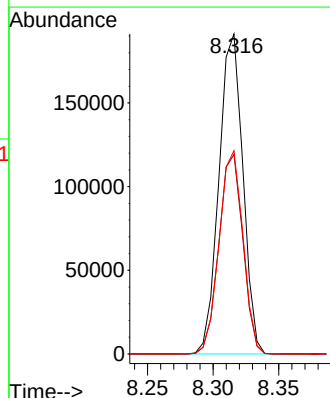
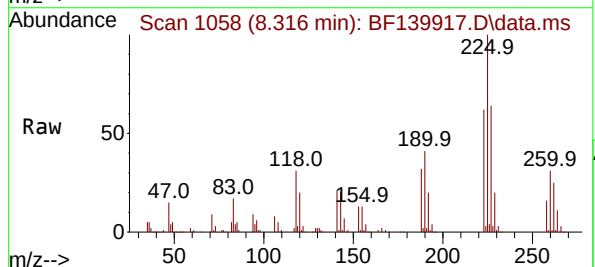
Tgt Ion:225 Resp: 242379

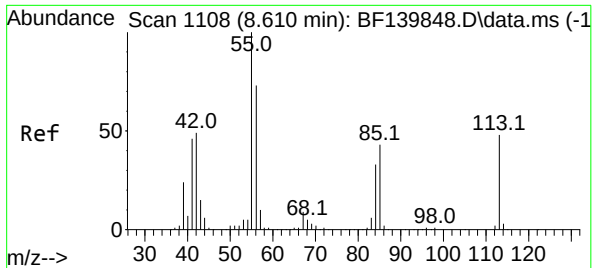
Ion Ratio Lower Upper

225 100

223 62.4 50.6 76.0

227 63.5 51.8 77.8





#35

Caprolactam

Concen: 39.545 ng

RT: 8.610 min Scan# 1108

Delta R.T. 0.000 min

Lab File: BF139917.D

Acq: 22 Oct 2024 09:39

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:113 Resp: 10588

Ion Ratio Lower Upper

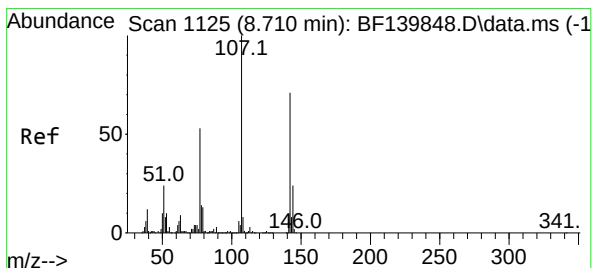
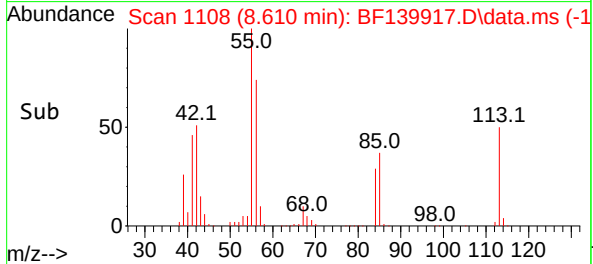
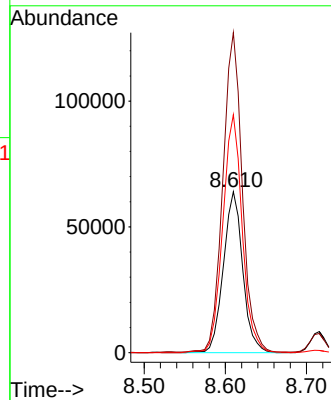
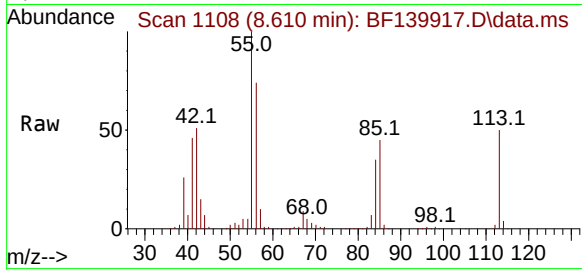
113 100

55 198.7 189.2 229.2

56 147.7 132.5 172.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

#36

4-Chloro-3-methylphenol

Concen: 39.766 ng

RT: 8.716 min Scan# 1126

Delta R.T. 0.006 min

Lab File: BF139917.D

Acq: 22 Oct 2024 09:39

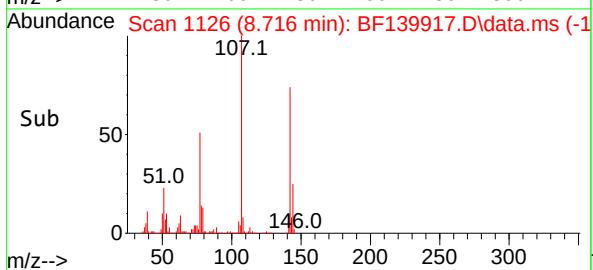
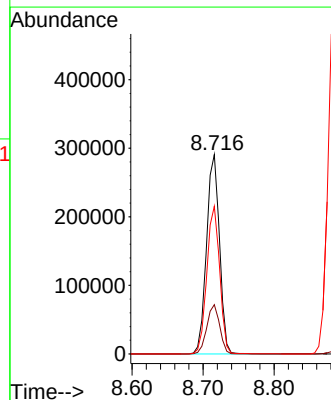
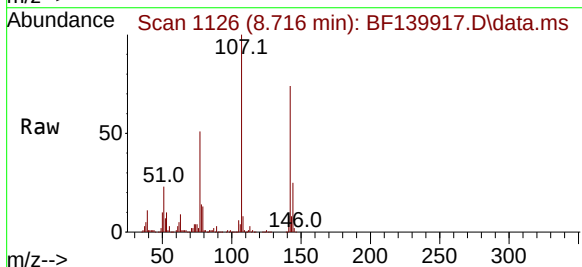
Tgt Ion:107 Resp: 370787

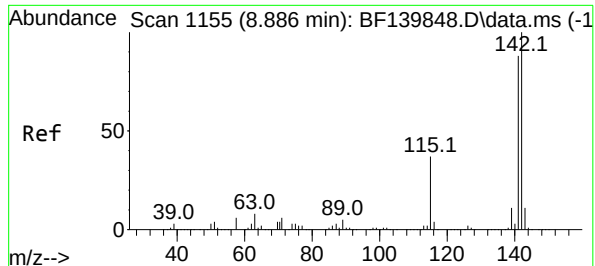
Ion Ratio Lower Upper

107 100

144 24.7 19.1 28.7

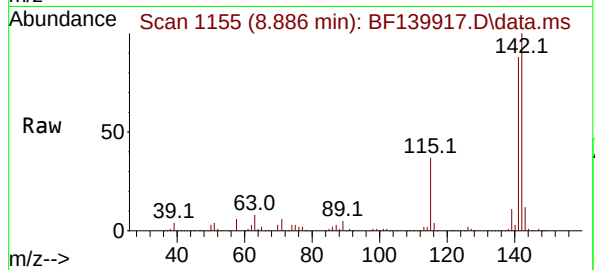
142 74.1 57.2 85.8





#37
2-Methylnaphthalene
Concen: 39.779 ng
RT: 8.886 min Scan# 1155
Delta R.T. 0.000 min
Lab File: BF139917.D
Acq: 22 Oct 2024 09:39

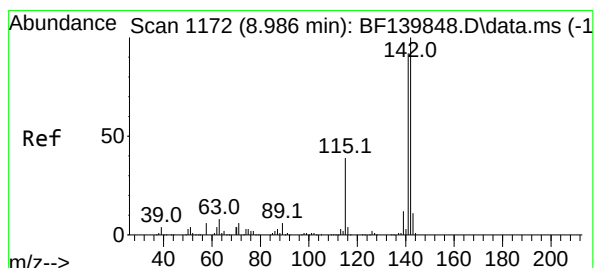
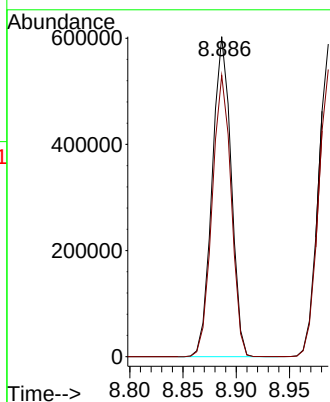
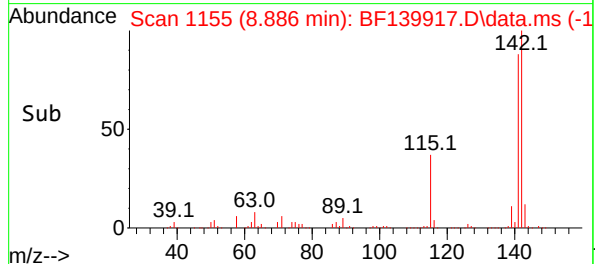
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:142 Resp: 746472
Ion Ratio Lower Upper
142 100
141 87.9 70.8 106.2

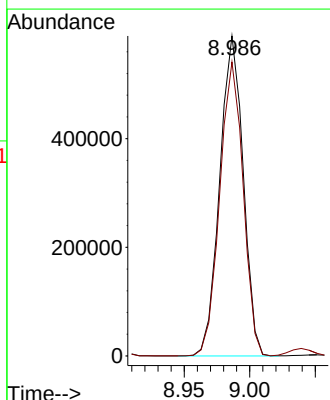
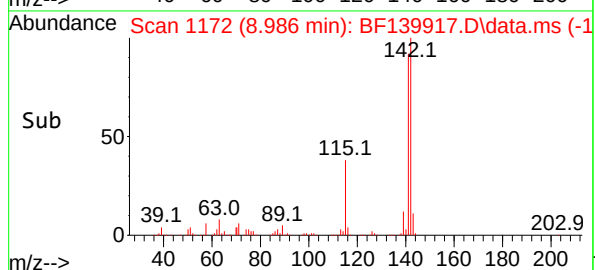
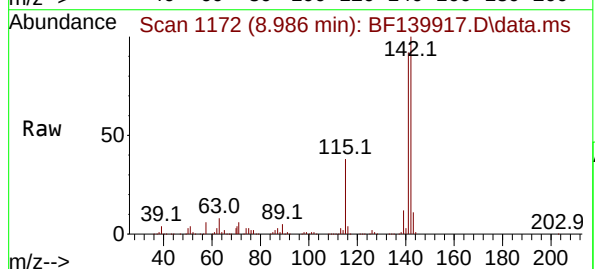
Manual Integrations
APPROVED

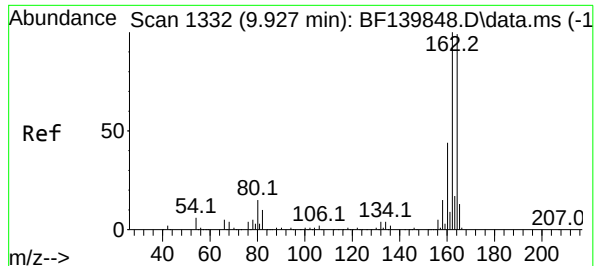
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#38
1-Methylnaphthalene
Concen: 39.758 ng
RT: 8.986 min Scan# 1172
Delta R.T. 0.000 min
Lab File: BF139917.D
Acq: 22 Oct 2024 09:39

Tgt Ion:142 Resp: 731982
Ion Ratio Lower Upper
142 100
141 91.8 73.5 110.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.933 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF139917.D

Acq: 22 Oct 2024 09:39

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:164 Resp: 33023

Ion Ratio Lower Upper

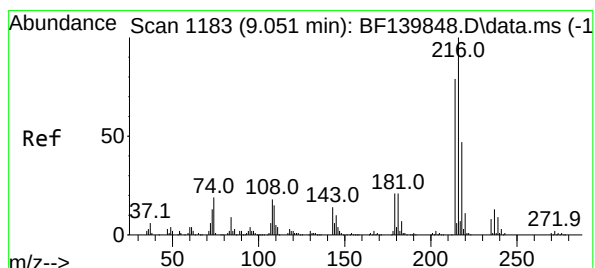
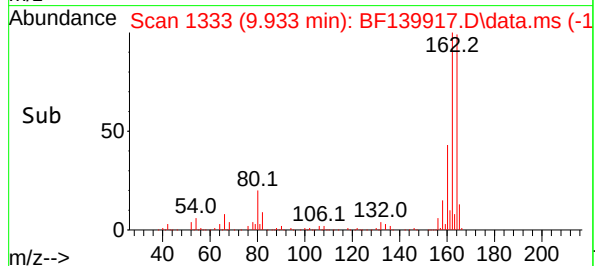
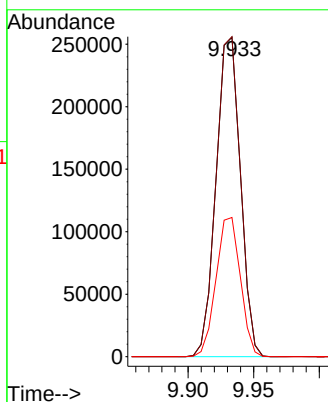
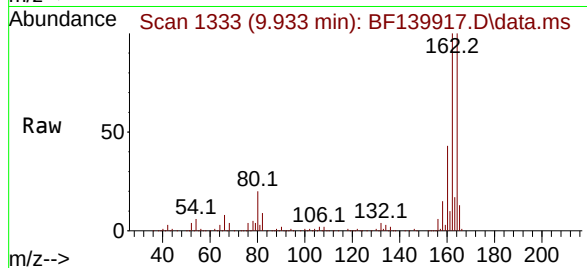
164 100

162 100.2 81.0 121.4

160 43.6 35.4 53.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

#40

1,2,4,5-Tetrachlorobenzene

Concen: 40.448 ng

RT: 9.051 min Scan# 1183

Delta R.T. 0.000 min

Lab File: BF139917.D

Acq: 22 Oct 2024 09:39

Tgt Ion:216 Resp: 360354

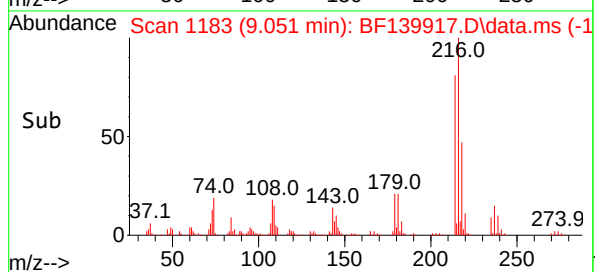
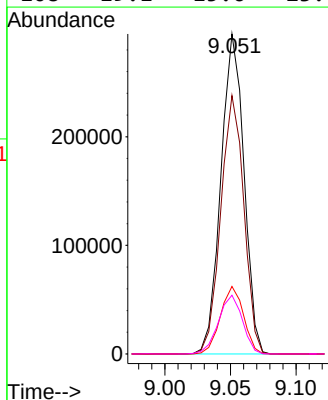
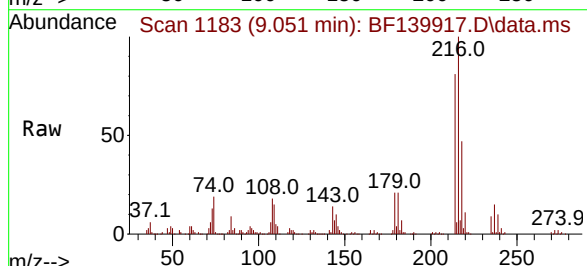
Ion Ratio Lower Upper

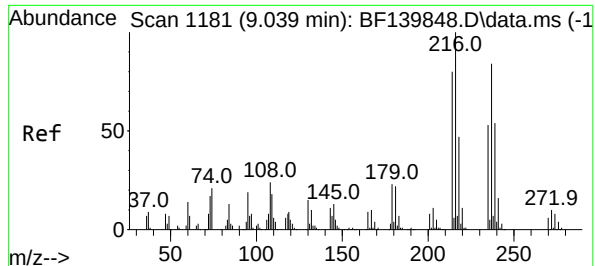
216 100

214 80.6 63.4 95.0

179 21.2 17.2 25.8

108 19.1 15.6 23.4





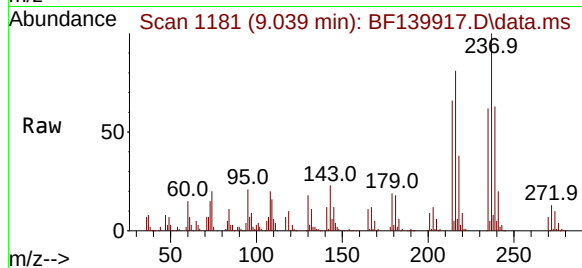
#41
Hexachlorocyclopentadiene
Concen: 46.222 ng
RT: 9.039 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BF139917.D
Acq: 22 Oct 2024 09:39

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

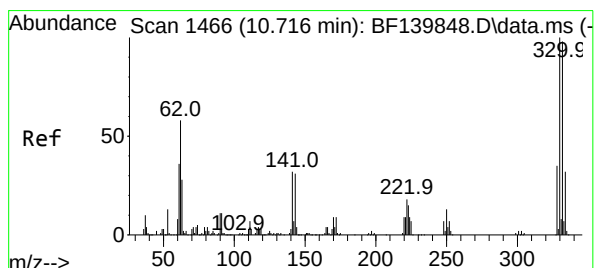
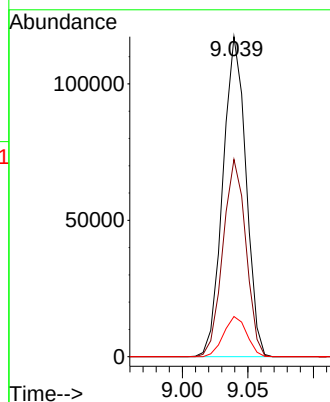
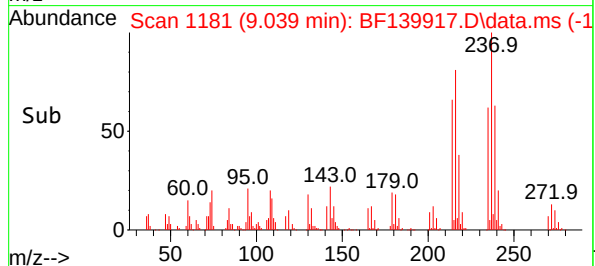


Tgt Ion:237 Resp: 143280
Ion Ratio Lower Upper
237 100
235 61.7 42.9 82.9
272 12.5 0.0 32.3

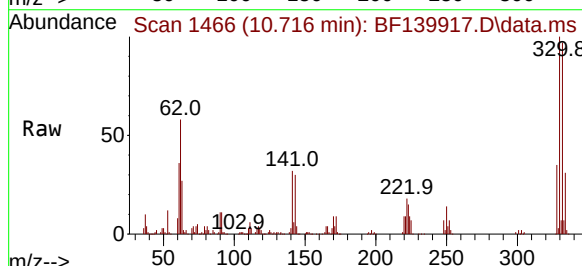
Manual Integrations

APPROVED

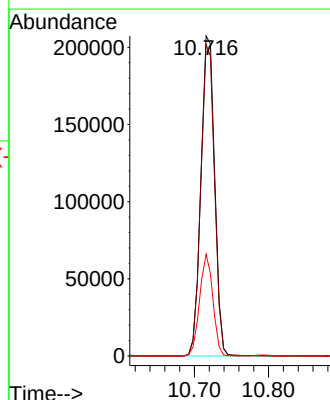
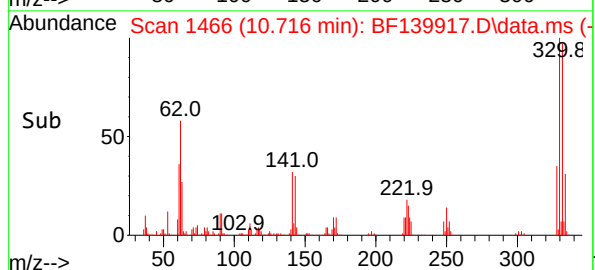
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

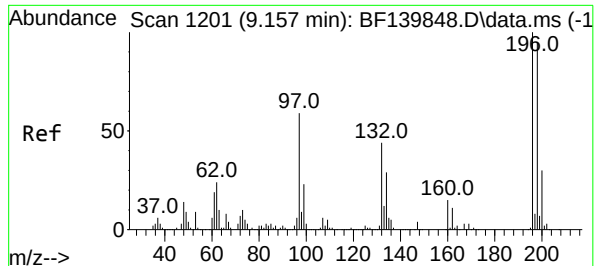


#42
2,4,6-Tribromophenol
Concen: 86.645 ng
RT: 10.716 min Scan# 1466
Delta R.T. 0.000 min
Lab File: BF139917.D
Acq: 22 Oct 2024 09:39



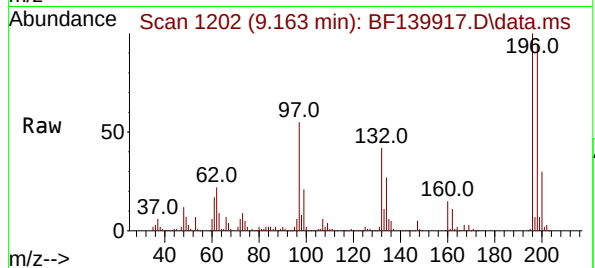
Tgt Ion:330 Resp: 267638
Ion Ratio Lower Upper
330 100
332 96.6 78.1 117.1
141 30.4 26.6 39.8





#43
2,4,6-Trichlorophenol
Concen: 42.677 ng
RT: 9.163 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF139917.D
Acq: 22 Oct 2024 09:39

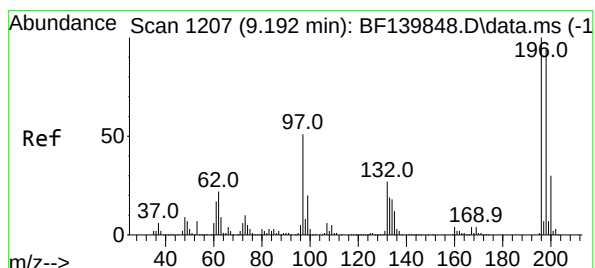
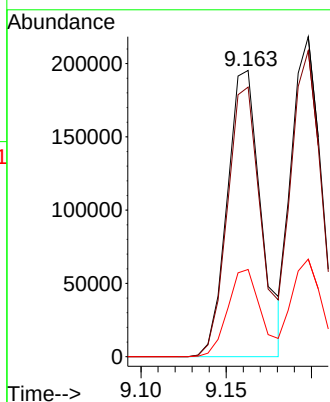
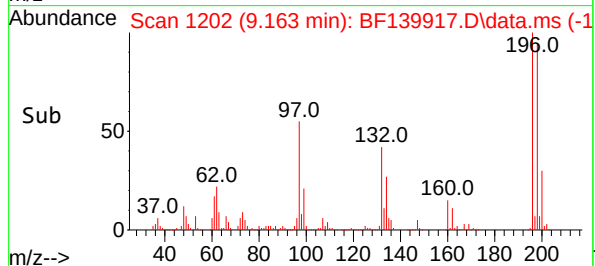
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



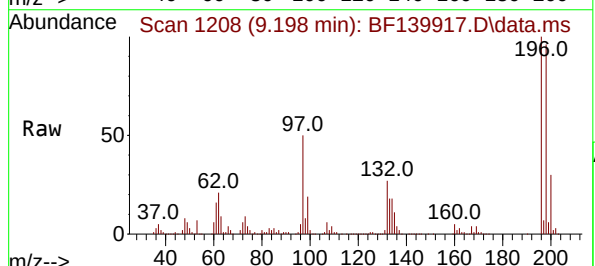
Tgt Ion:196 Resp: 269189
Ion Ratio Lower Upper
196 100
198 94.2 76.2 114.2
200 30.5 24.0 36.0

Manual Integrations
APPROVED

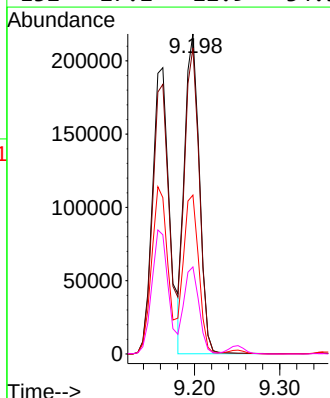
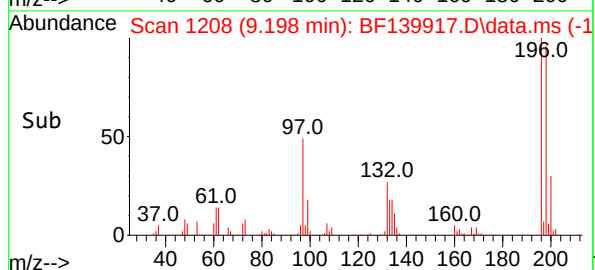
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

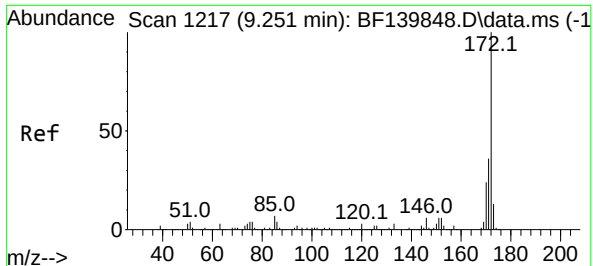


#44
2,4,5-Trichlorophenol
Concen: 40.442 ng
RT: 9.198 min Scan# 1208
Delta R.T. 0.006 min
Lab File: BF139917.D
Acq: 22 Oct 2024 09:39



Tgt Ion:196 Resp: 263183
Ion Ratio Lower Upper
196 100
198 95.7 75.8 113.6
97 49.7 41.8 62.6
132 27.2 22.9 34.3





#45

2-Fluorobiphenyl

Concen: 78.114 ng

RT: 9.251 min Scan# 1217

Delta R.T. 0.000 min

Lab File: BF139917.D

Acq: 22 Oct 2024 09:39

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:172 Resp: 1560820

Ion Ratio Lower Upper

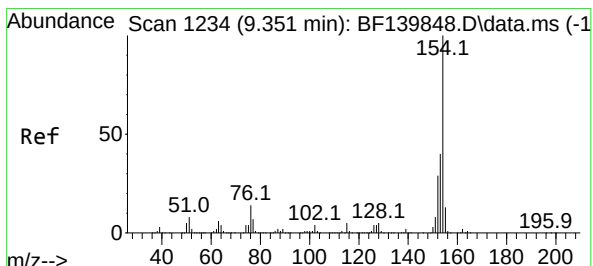
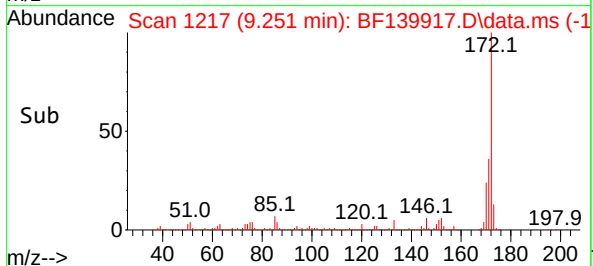
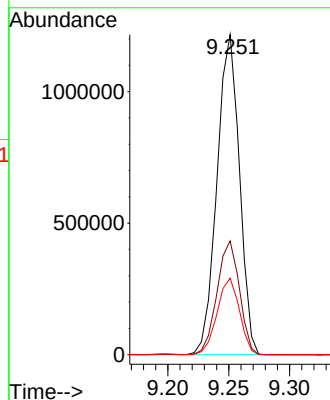
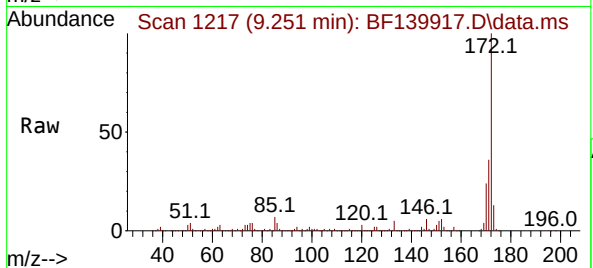
172 100

171 35.5 28.6 43.0

170 23.9 19.1 28.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

#46

1,1'-Biphenyl

Concen: 39.612 ng

RT: 9.351 min Scan# 1234

Delta R.T. 0.000 min

Lab File: BF139917.D

Acq: 22 Oct 2024 09:39

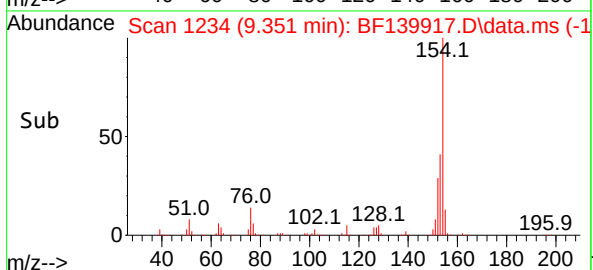
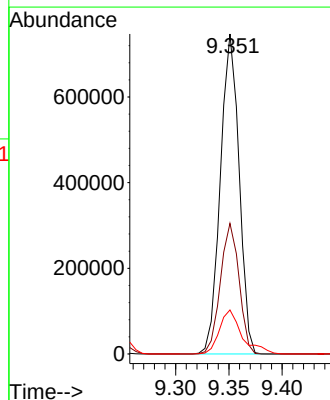
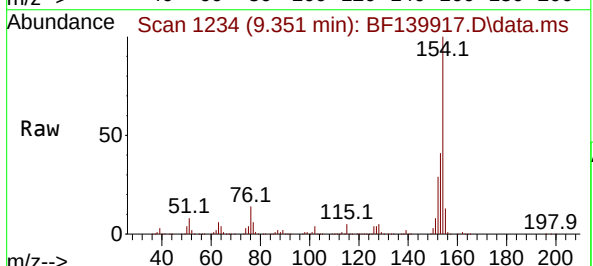
Tgt Ion:154 Resp: 910650

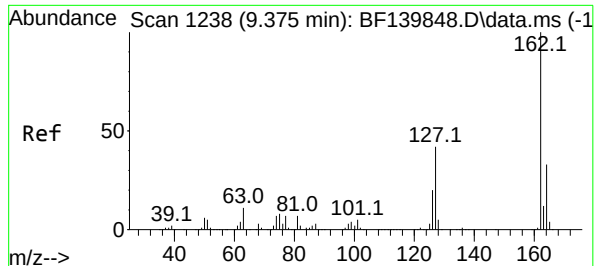
Ion Ratio Lower Upper

154 100

153 40.8 20.3 60.3

76 13.7 0.0 33.9





#47

2-Chloronaphthalene

Concen: 40.043 ng

RT: 9.375 min Scan# 1238

Delta R.T. 0.000 min

Lab File: BF139917.D

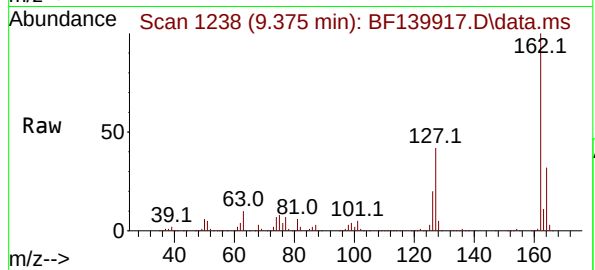
Acq: 22 Oct 2024 09:39

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:162 Resp: 74142

Ion Ratio Lower Upper

162 100

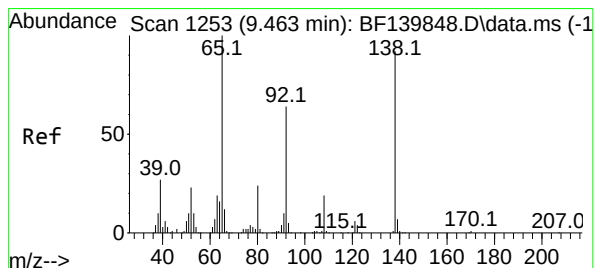
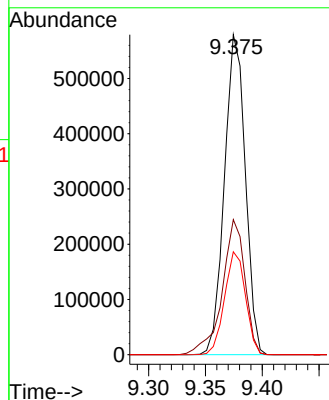
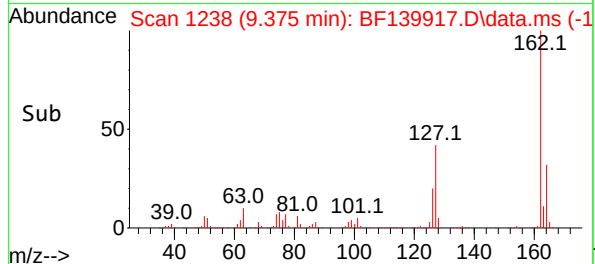
127 42.2 33.8 50.6

164 32.1 26.6 39.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024
 Supervised By :mohammad ahmed 10/24/2024



#48

2-Nitroaniline

Concen: 42.915 ng

RT: 9.469 min Scan# 1254

Delta R.T. 0.006 min

Lab File: BF139917.D

Acq: 22 Oct 2024 09:39

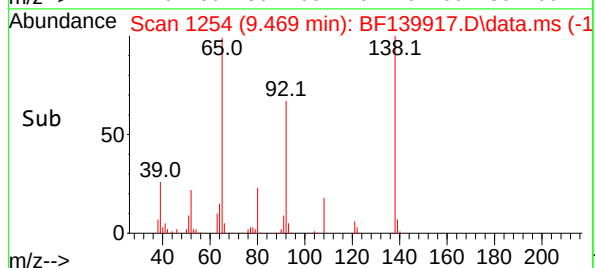
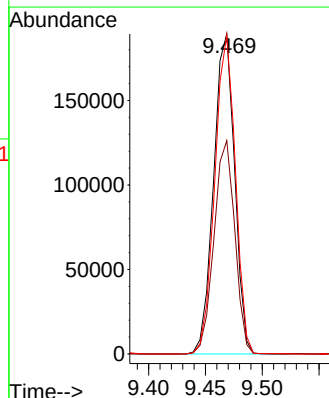
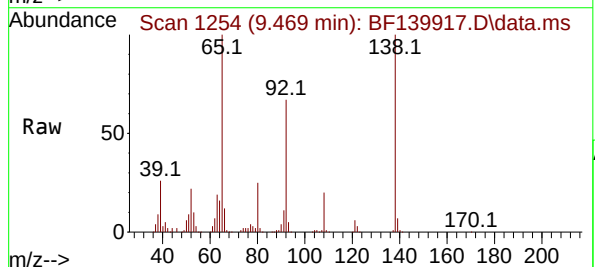
Tgt Ion: 65 Resp: 243026

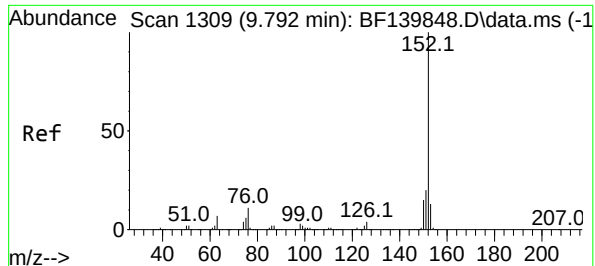
Ion Ratio Lower Upper

65 100

92 66.7 50.9 76.3

138 99.7 73.4 110.0





#49

Acenaphthylene

Concen: 39.627 ng

RT: 9.792 min Scan# 1309

Delta R.T. 0.000 min

Lab File: BF139917.D

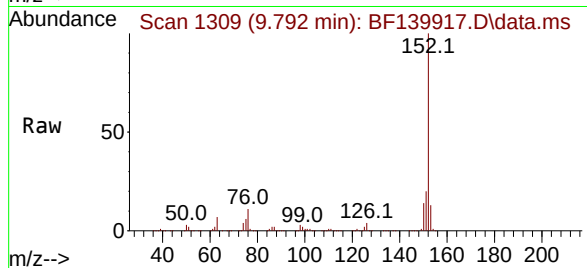
Acq: 22 Oct 2024 09:39

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:152 Resp: 1060749

Ion Ratio Lower Upper

152 100

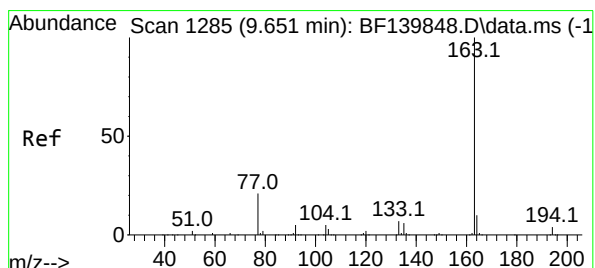
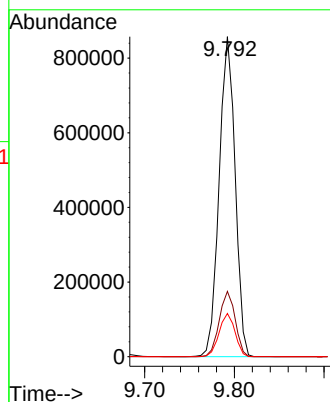
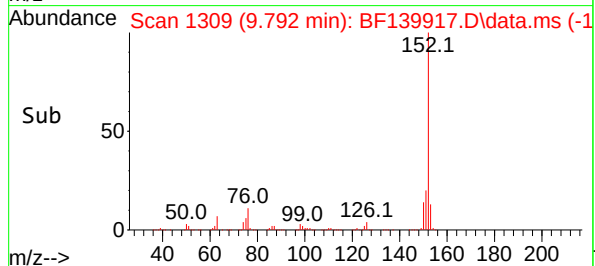
151 20.4 15.9 23.9

153 13.5 10.7 16.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024
 Supervised By :mohammad ahmed 10/24/2024



#50

Dimethylphthalate

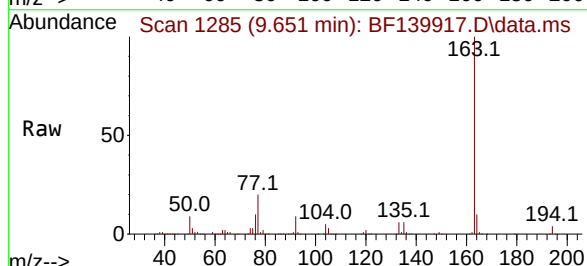
Concen: 39.899 ng

RT: 9.651 min Scan# 1285

Delta R.T. 0.000 min

Lab File: BF139917.D

Acq: 22 Oct 2024 09:39



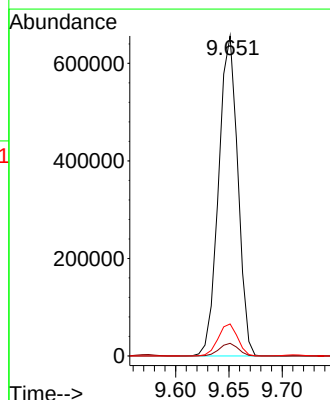
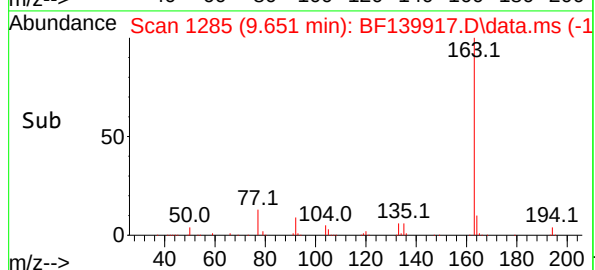
Tgt Ion:163 Resp: 820693

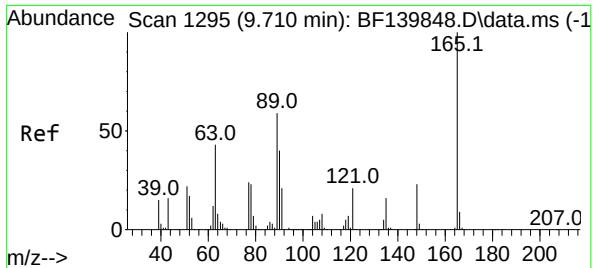
Ion Ratio Lower Upper

163 100

194 4.0 3.4 5.0

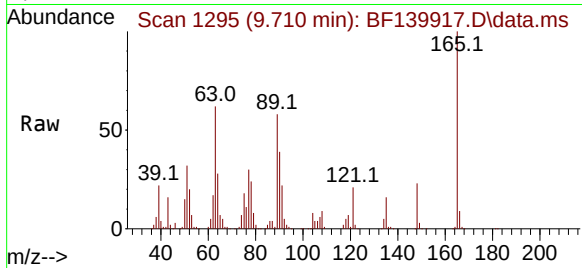
164 10.0 8.2 12.2





#51
2,6-Dinitrotoluene
Concen: 42.689 ng
RT: 9.710 min Scan# 1295
Delta R.T. 0.000 min
Lab File: BF139917.D
Acq: 22 Oct 2024 09:39

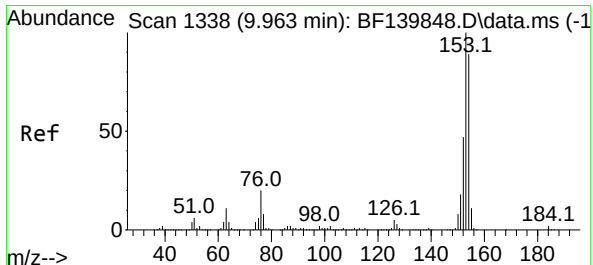
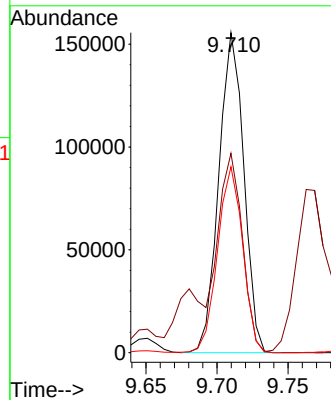
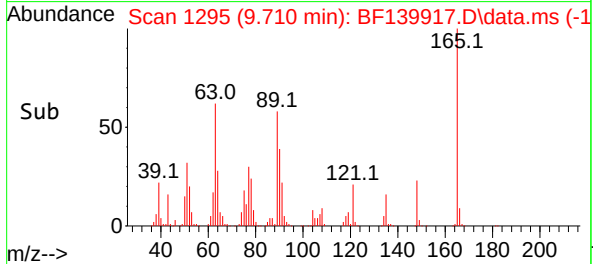
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:165 Resp: 190120
Ion Ratio Lower Upper
165 100
63 62.3 50.6 75.8
89 58.1 47.5 71.3

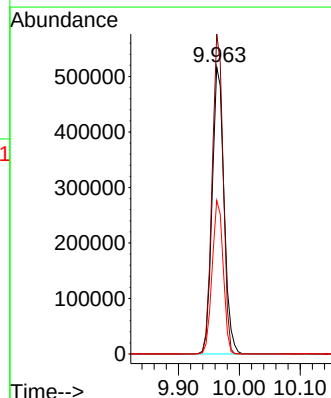
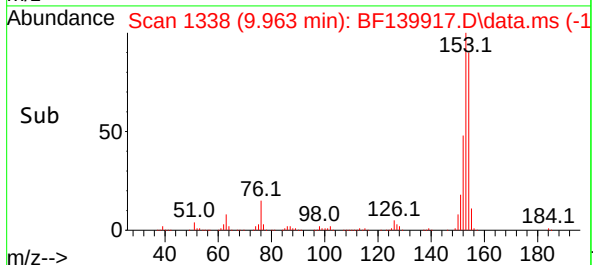
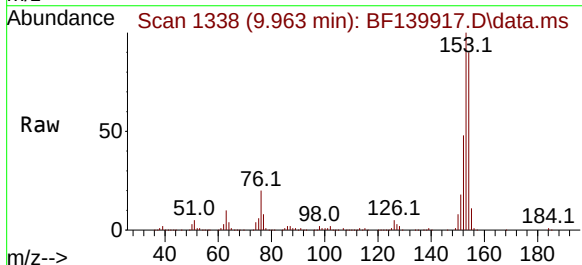
Manual Integrations
APPROVED

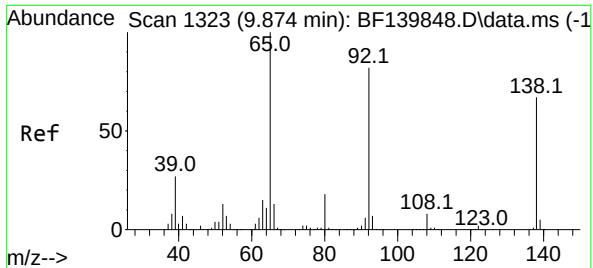
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#52
Acenaphthene
Concen: 40.556 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.000 min
Lab File: BF139917.D
Acq: 22 Oct 2024 09:39

Tgt Ion:154 Resp: 702273
Ion Ratio Lower Upper
154 100
153 111.6 89.8 134.6
152 53.6 42.4 63.6





#53

3-Nitroaniline

Concen: 41.700 ng

RT: 9.880 min Scan# 1324

Delta R.T. 0.006 min

Lab File: BF139917.D

Acq: 22 Oct 2024 09:39

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:138 Resp: 19152

Ion Ratio Lower Upper

138 100

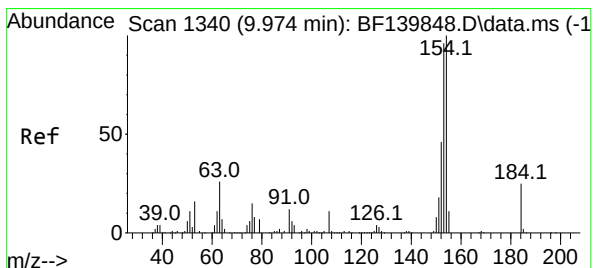
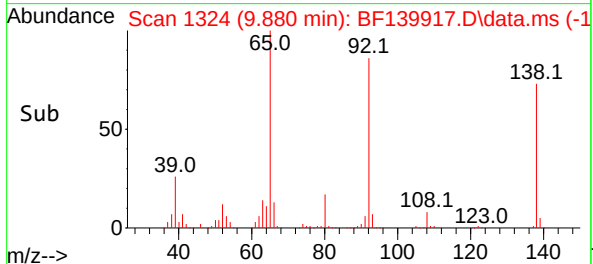
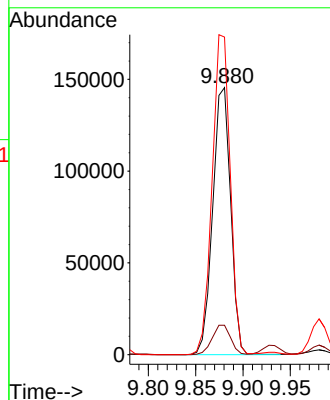
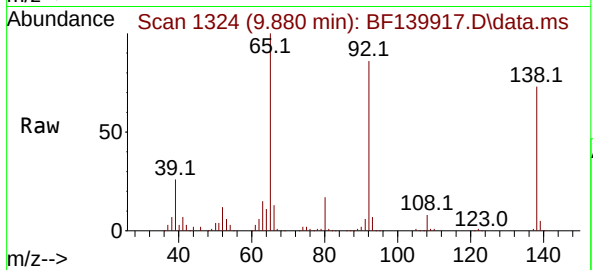
108 11.0 10.2 15.2

92 118.9 98.3 147.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024
 Supervised By :mohammad ahmed 10/24/2024



#54

2,4-Dinitrophenol

Concen: 50.904 ng

RT: 9.980 min Scan# 1341

Delta R.T. 0.006 min

Lab File: BF139917.D

Acq: 22 Oct 2024 09:39

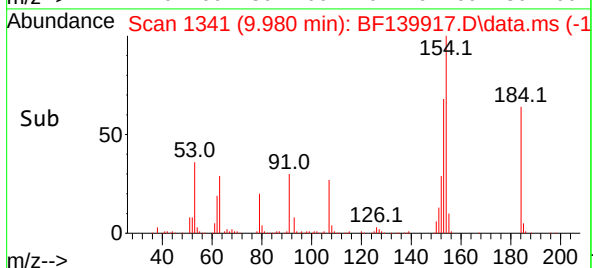
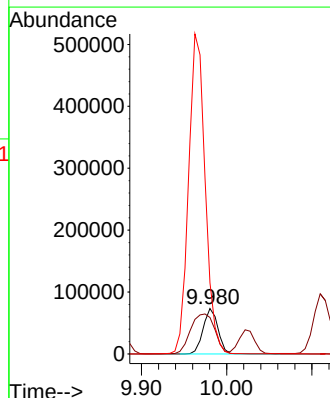
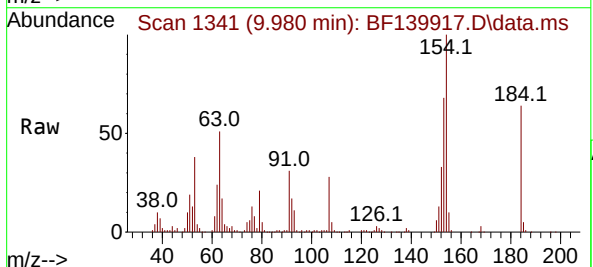
Tgt Ion:184 Resp: 89411

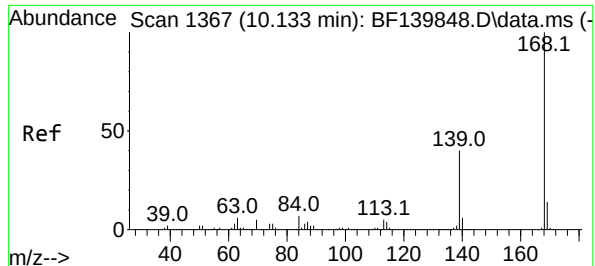
Ion Ratio Lower Upper

184 100

63 80.3 84.7 127.1#

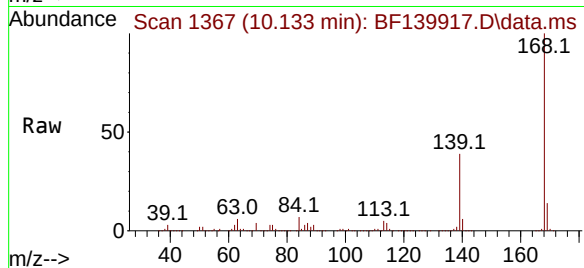
154 156.7 338.2 507.2#





#55
Dibenzofuran
Concen: 39.509 ng
RT: 10.133 min Scan# 1367
Delta R.T. 0.000 min
Lab File: BF139917.D
Acq: 22 Oct 2024 09:39

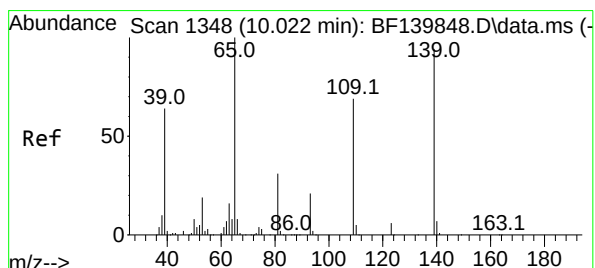
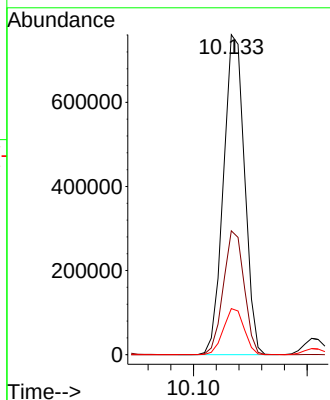
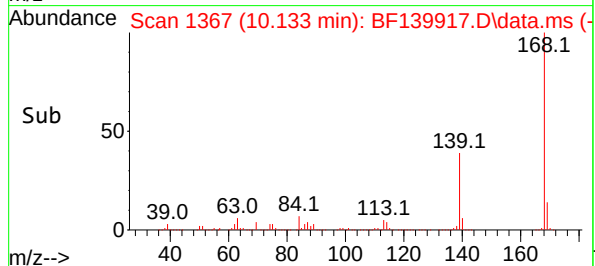
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:168 Resp: 981598
Ion Ratio Lower Upper
168 100
139 38.7 31.8 47.6
169 14.4 11.6 17.4

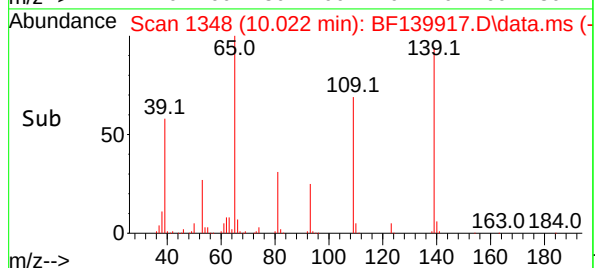
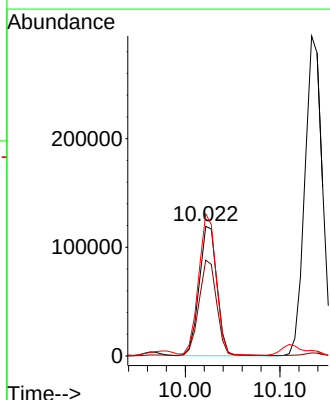
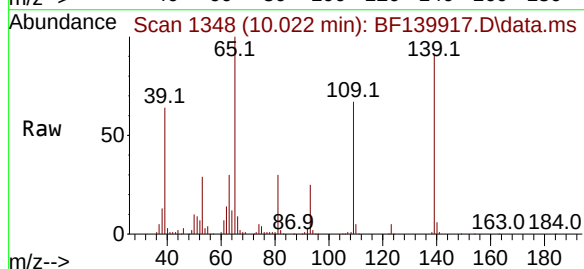
Manual Integrations
APPROVED

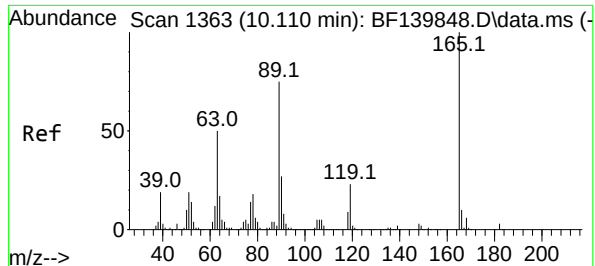
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#56
4-Nitrophenol
Concen: 44.196 ng
RT: 10.022 min Scan# 1348
Delta R.T. 0.000 min
Lab File: BF139917.D
Acq: 22 Oct 2024 09:39

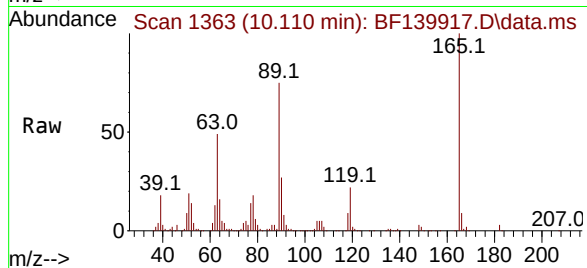
Tgt Ion:139 Resp: 156168
Ion Ratio Lower Upper
139 100
109 73.9 53.6 93.6
65 109.6 87.8 127.8





#57
2,4-Dinitrotoluene
Concen: 46.168 ng
RT: 10.110 min Scan# 1363
Delta R.T. 0.000 min
Lab File: BF139917.D
Acq: 22 Oct 2024 09:39

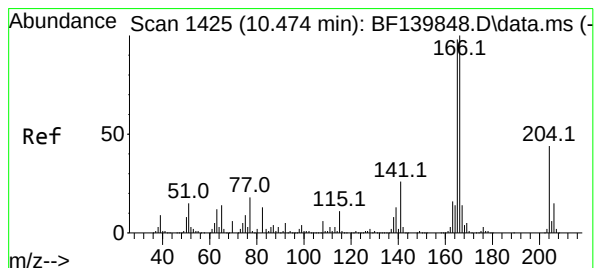
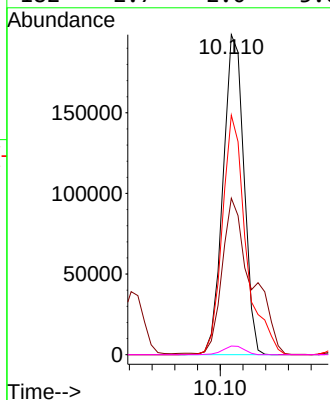
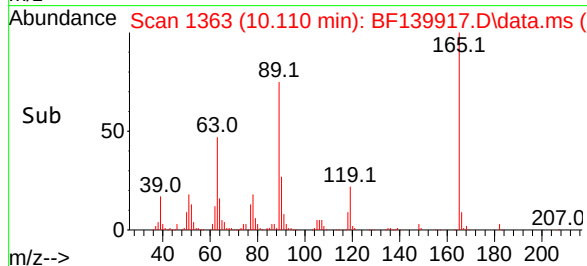
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



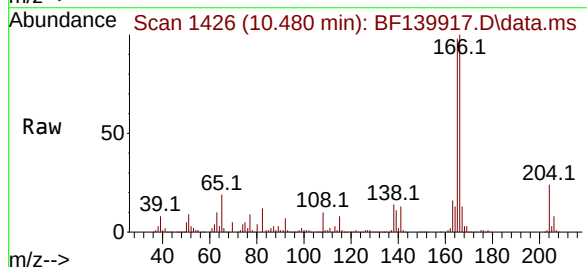
Tgt Ion:165 Resp: 252850
Ion Ratio Lower Upper
165 100
63 48.9 40.1 60.1
89 74.8 60.4 90.6
182 2.7 2.0 3.0

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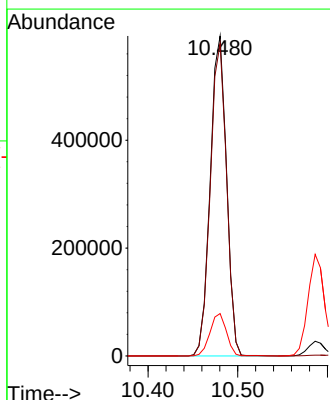
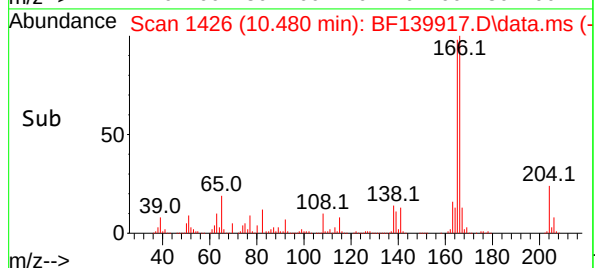
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

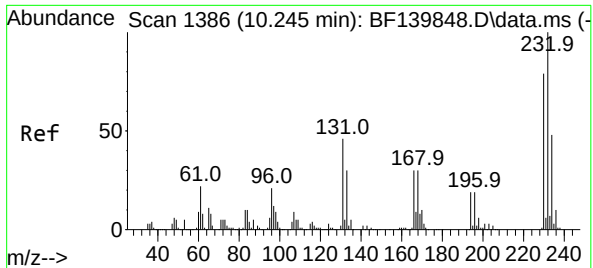


#58
Fluorene
Concen: 39.491 ng
RT: 10.480 min Scan# 1426
Delta R.T. 0.006 min
Lab File: BF139917.D
Acq: 22 Oct 2024 09:39



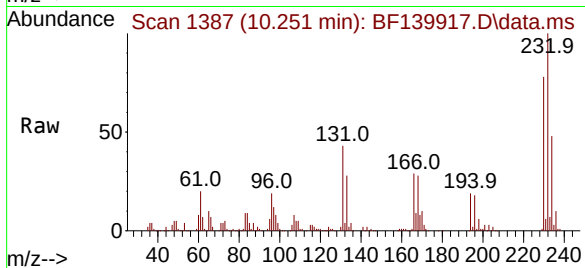
Tgt Ion:166 Resp: 747301
Ion Ratio Lower Upper
166 100
165 97.6 78.5 117.7
167 13.3 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 42.053 ng
RT: 10.251 min Scan# 1387
Delta R.T. 0.006 min
Lab File: BF139917.D
Acq: 22 Oct 2024 09:39

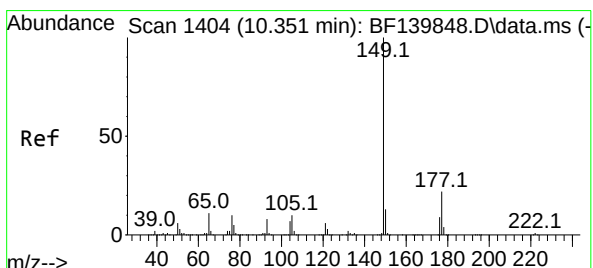
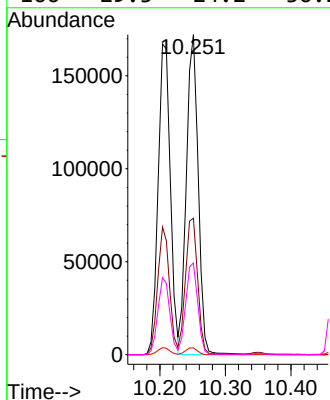
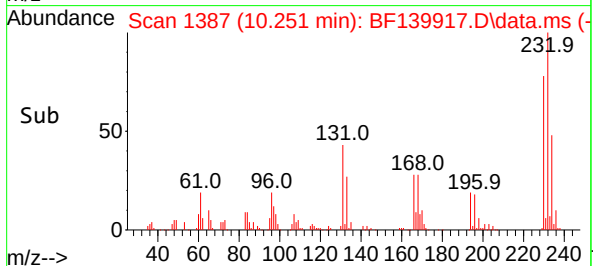
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:232 Resp: 21453
Ion Ratio Lower Upper
232 100
131 43.7 37.0 55.6
130 2.2 1.9 2.9
166 29.3 24.2 36.2

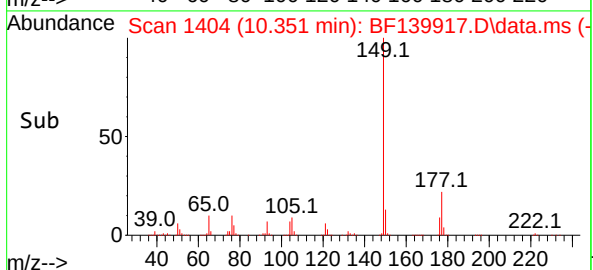
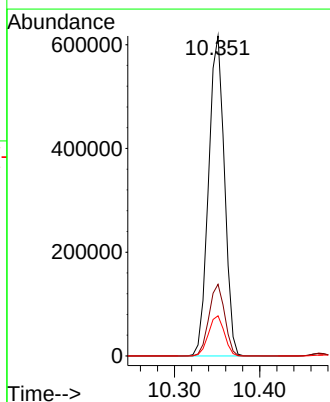
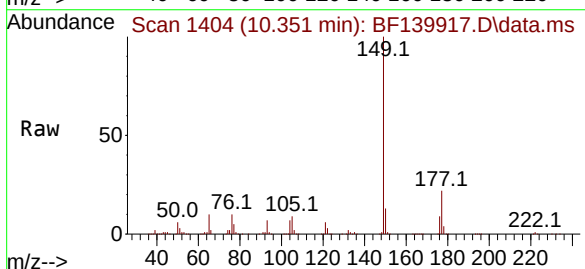
Manual Integrations
APPROVED

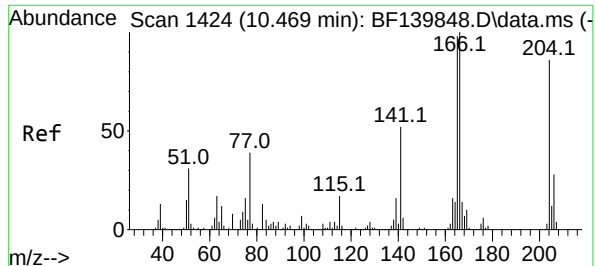
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#60
Diethylphthalate
Concen: 39.460 ng
RT: 10.351 min Scan# 1404
Delta R.T. 0.000 min
Lab File: BF139917.D
Acq: 22 Oct 2024 09:39

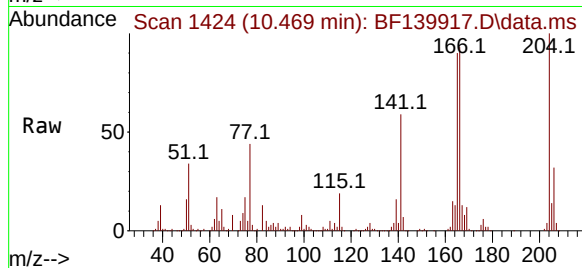
Tgt Ion:149 Resp: 796944
Ion Ratio Lower Upper
149 100
177 22.4 17.9 26.9
150 12.6 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 40.608 ng
RT: 10.469 min Scan# 1424
Delta R.T. 0.000 min
Lab File: BF139917.D
Acq: 22 Oct 2024 09:39

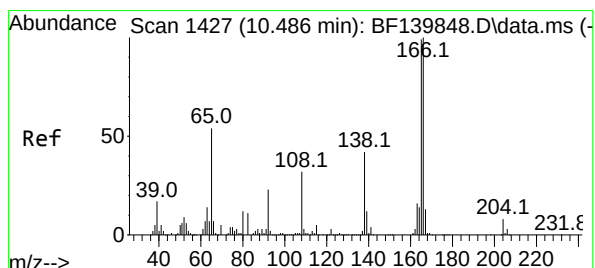
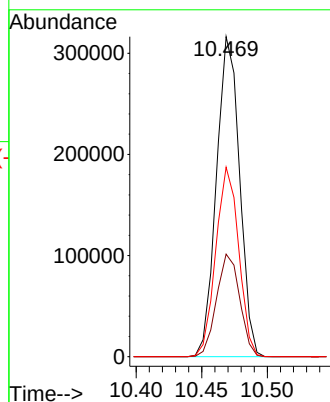
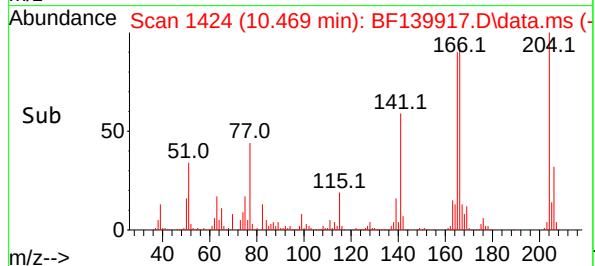
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



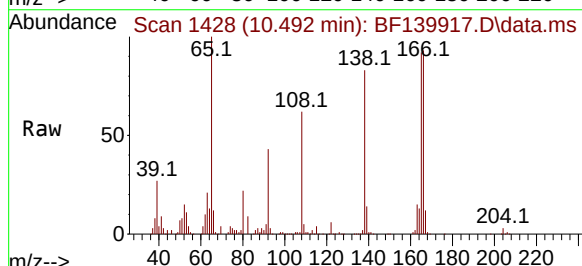
Tgt Ion:204 Resp: 38806
Ion Ratio Lower Upper
204 100
206 32.1 26.3 39.5
141 59.2 48.6 73.0

Manual Integrations
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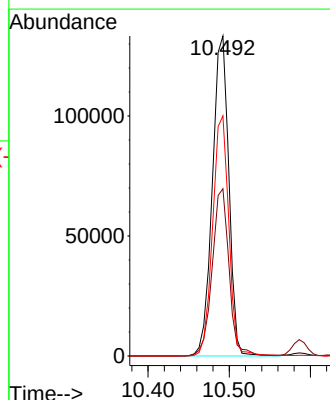
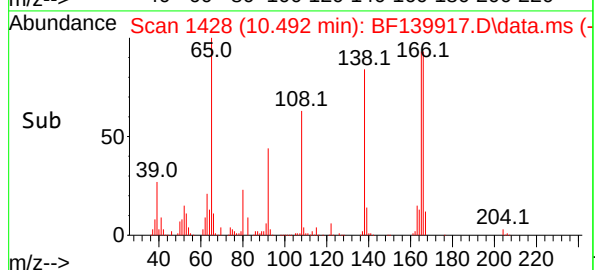
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

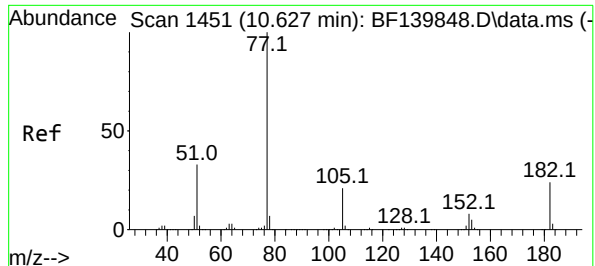


#62
4-Nitroaniline
Concen: 43.200 ng
RT: 10.492 min Scan# 1428
Delta R.T. 0.006 min
Lab File: BF139917.D
Acq: 22 Oct 2024 09:39



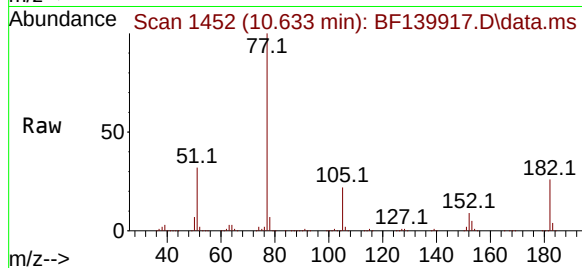
Tgt Ion:138 Resp: 187391
Ion Ratio Lower Upper
138 100
92 52.2 35.7 75.7
108 75.0 57.5 97.5





#63
Azobenzene
Concen: 38.524 ng
RT: 10.633 min Scan# 1451
Delta R.T. 0.006 min
Lab File: BF139917.D
Acq: 22 Oct 2024 09:39

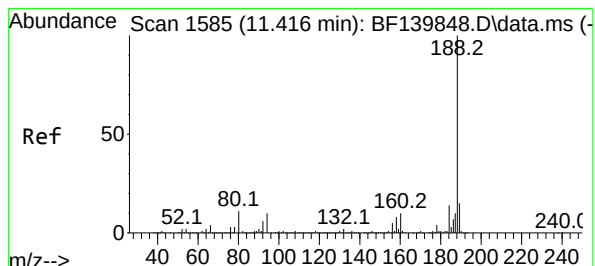
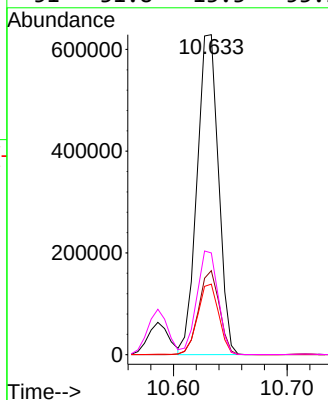
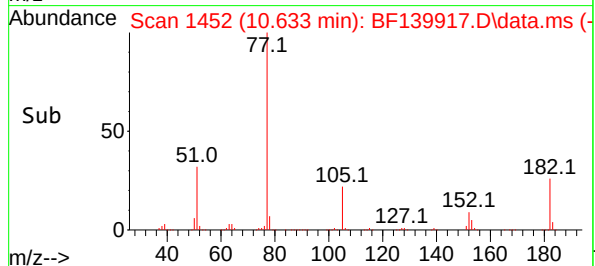
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion: 77 Resp: 824845
Ion Ratio Lower Upper
77 100
182 26.3 3.3 43.3
105 22.1 1.2 41.2
51 31.8 13.3 53.3

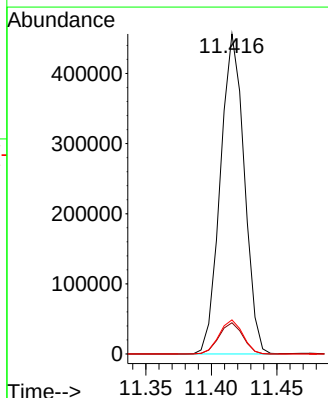
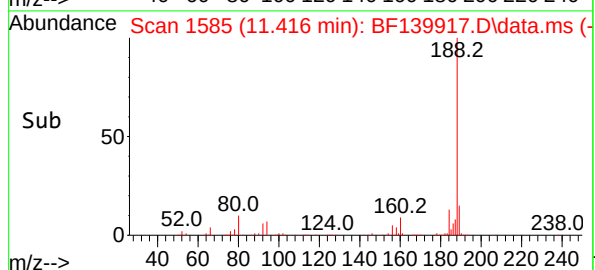
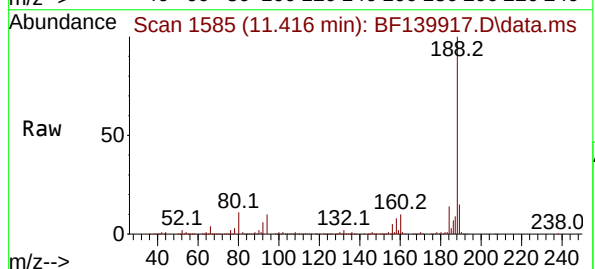
Manual Integrations
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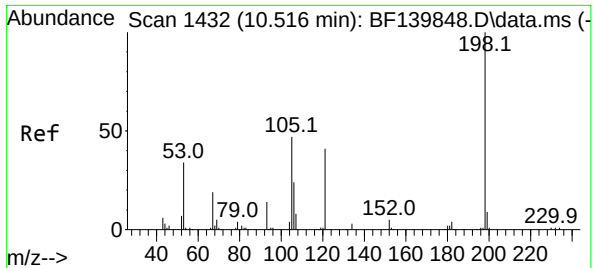
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BF139917.D
Acq: 22 Oct 2024 09:39

Tgt Ion:188 Resp: 578135
Ion Ratio Lower Upper
188 100
94 9.8 7.9 11.9
80 10.6 9.0 13.4





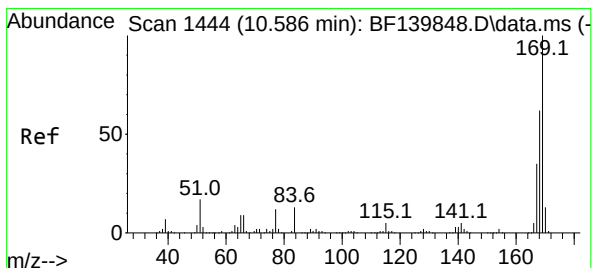
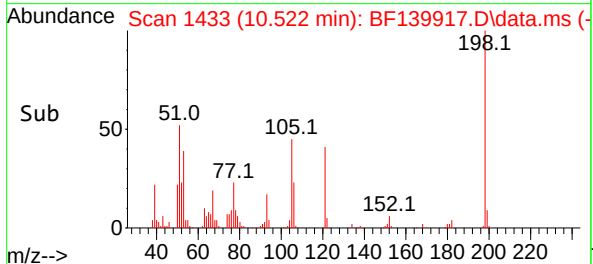
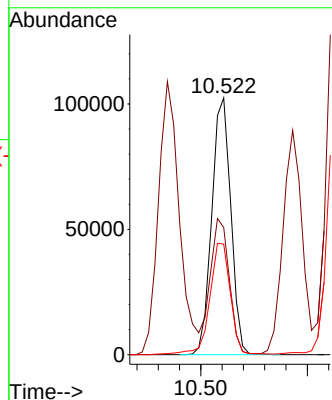
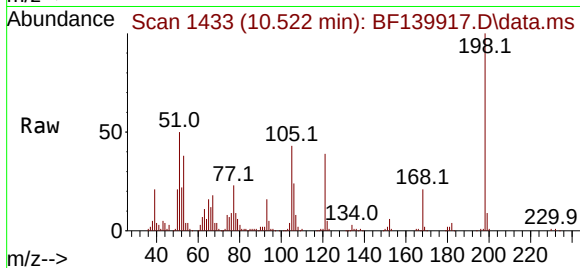
#65
4,6-Dinitro-2-methylphenol
Concen: 53.853 ng
RT: 10.522 min Scan# 1433
Delta R.T. 0.006 min
Lab File: BF139917.D
Acq: 22 Oct 2024 09:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 12699
Ion Ratio Lower Upper
198 100
51 49.5 38.2 78.2
105 43.1 27.9 67.9

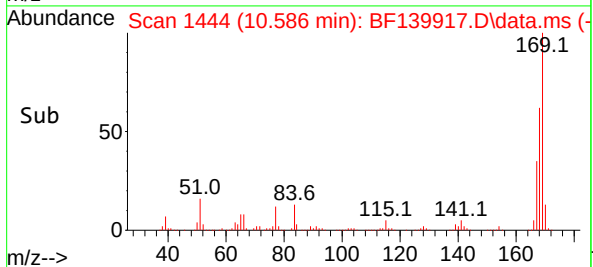
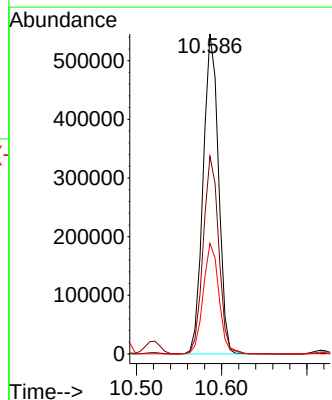
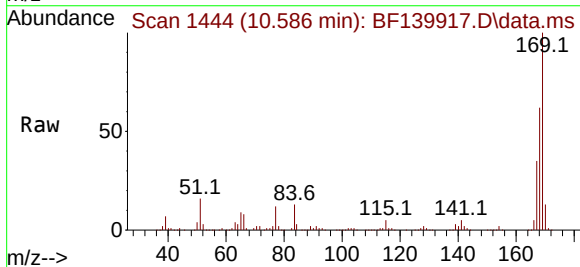
Manual Integrations
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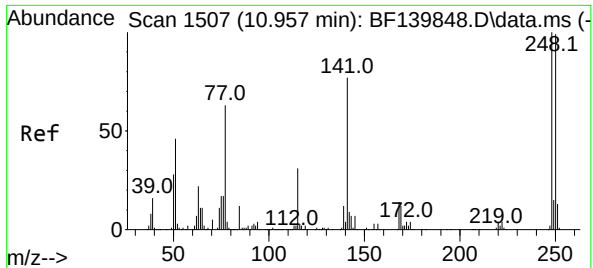
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#66
n-Nitrosodiphenylamine
Concen: 39.409 ng
RT: 10.586 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BF139917.D
Acq: 22 Oct 2024 09:39

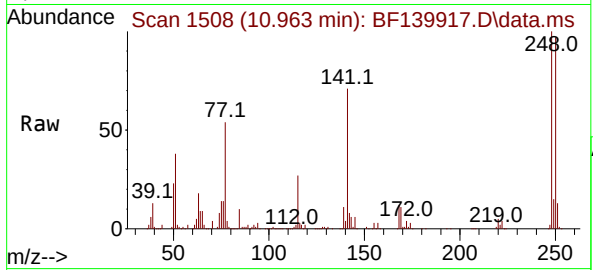
Tgt Ion:169 Resp: 681909
Ion Ratio Lower Upper
169 100
168 61.8 49.8 74.6
167 34.5 28.0 42.0





#67
4-Bromophenyl-phenylether
Concen: 40.773 ng
RT: 10.963 min Scan# 1508
Delta R.T. 0.006 min
Lab File: BF139917.D
Acq: 22 Oct 2024 09:39

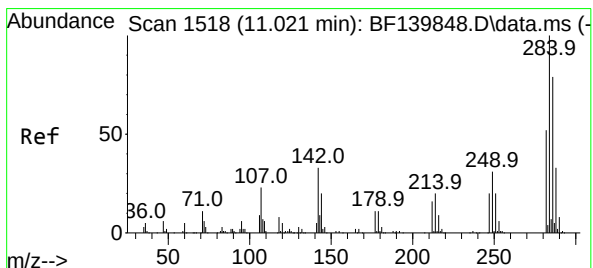
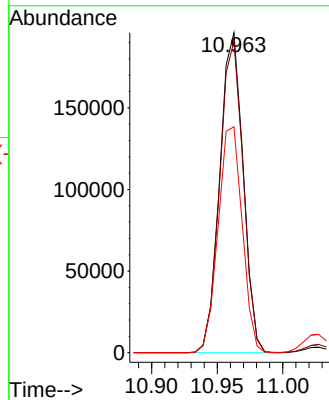
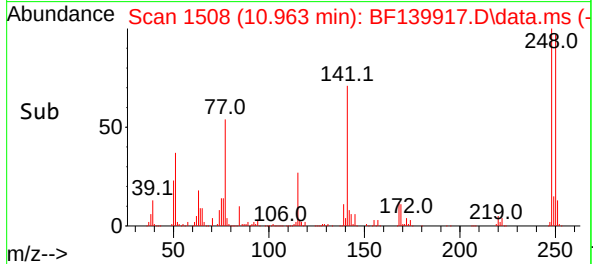
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:248 Resp: 242840
Ion Ratio Lower Upper
248 100
250 97.4 79.0 118.6
141 70.6 61.7 92.5

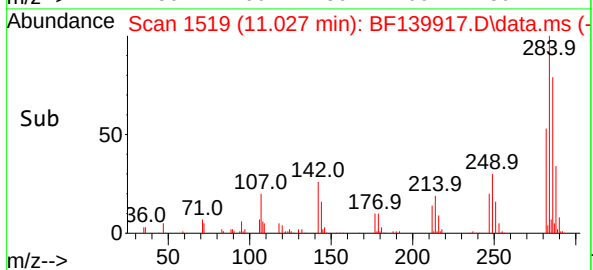
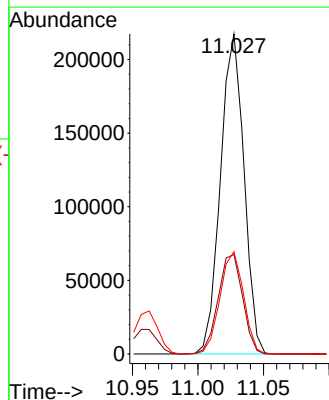
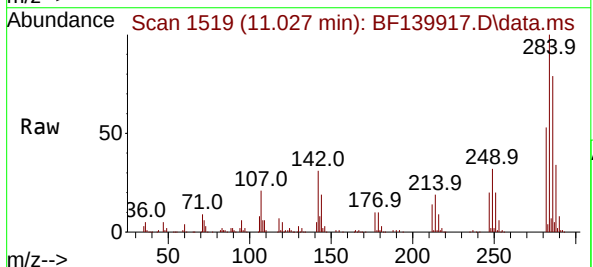
Manual Integrations
APPROVED

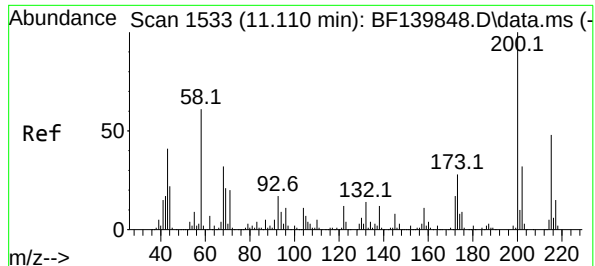
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#68
Hexachlorobenzene
Concen: 40.445 ng
RT: 11.027 min Scan# 1519
Delta R.T. 0.006 min
Lab File: BF139917.D
Acq: 22 Oct 2024 09:39

Tgt Ion:284 Resp: 270916
Ion Ratio Lower Upper
284 100
142 31.1 26.9 40.3
249 31.9 25.3 37.9





#69

Atrazine

Concen: 41.123 ng

RT: 11.110 min Scan# 1533

Delta R.T. 0.000 min

Lab File: BF139917.D

Acq: 22 Oct 2024 09:39

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:200 Resp: 19275

Ion Ratio Lower Upper

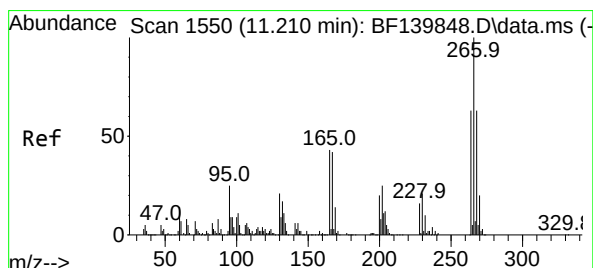
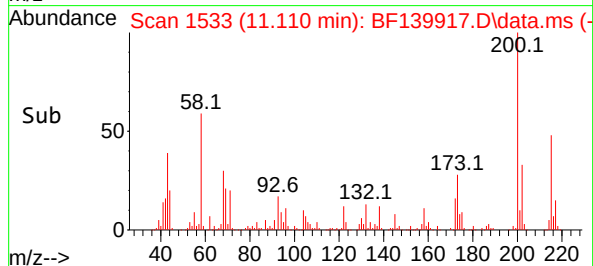
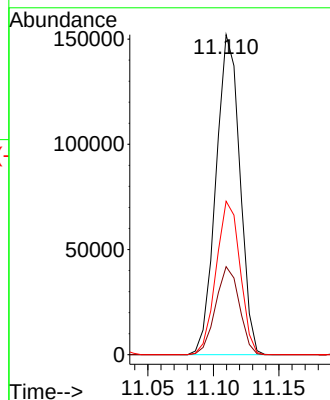
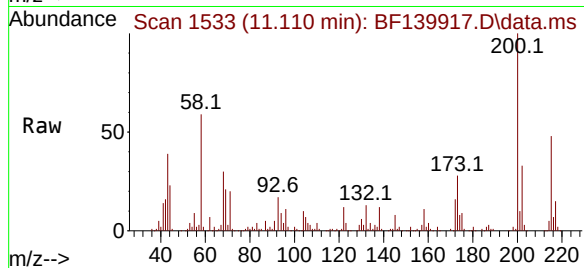
200 100

173 27.5 7.7 47.7

215 47.9 27.7 67.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

#70

Pentachlorophenol

Concen: 45.904 ng

RT: 11.216 min Scan# 1551

Delta R.T. 0.006 min

Lab File: BF139917.D

Acq: 22 Oct 2024 09:39

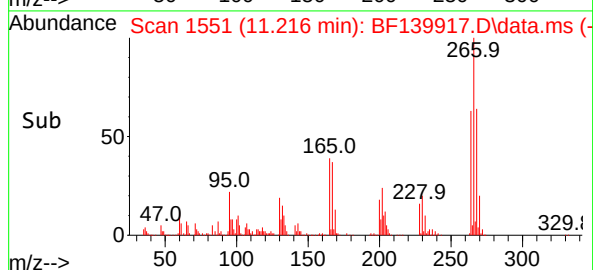
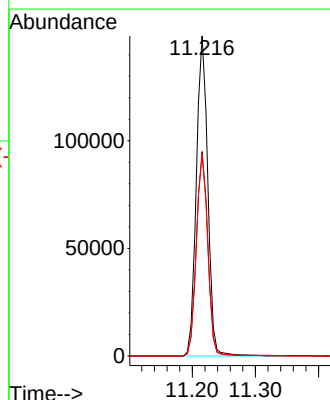
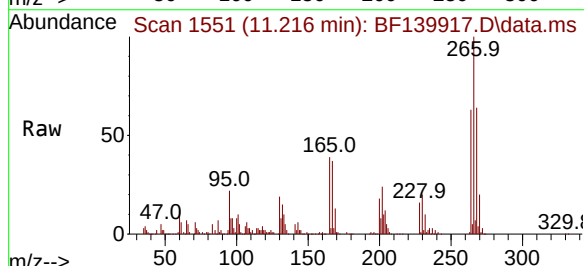
Tgt Ion:266 Resp: 186612

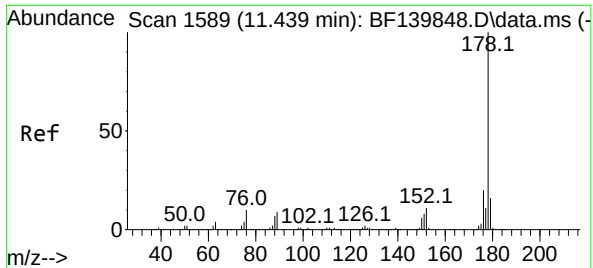
Ion Ratio Lower Upper

266 100

268 63.9 50.4 75.6

264 63.0 50.6 75.8





#71

Phenanthrene

Concen: 39.042 ng

RT: 11.439 min Scan# 1589

Delta R.T. 0.000 min

Lab File: BF139917.D

Acq: 22 Oct 2024 09:39

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:178 Resp: 106617

Ion Ratio Lower Upper

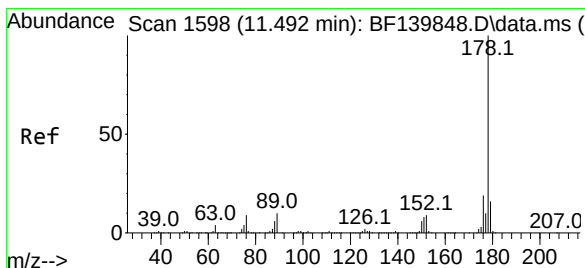
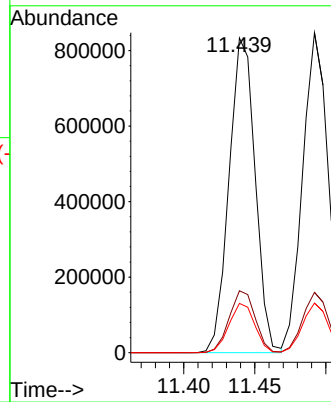
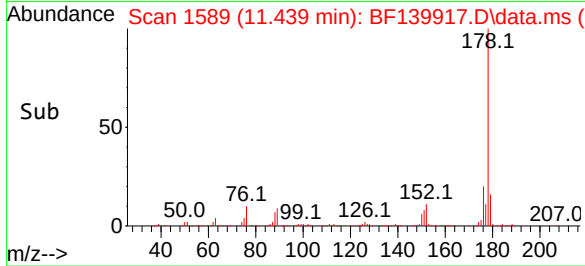
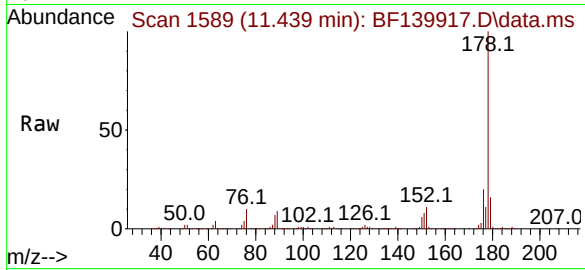
178 100

176 19.7 15.8 23.6

179 15.6 12.6 18.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

#72

Anthracene

Concen: 39.521 ng

RT: 11.492 min Scan# 1598

Delta R.T. 0.000 min

Lab File: BF139917.D

Acq: 22 Oct 2024 09:39

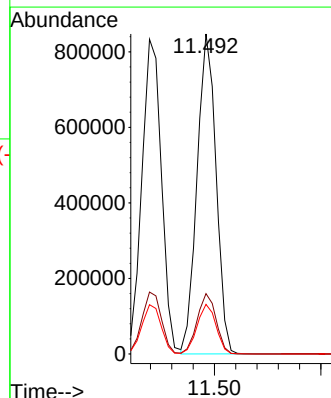
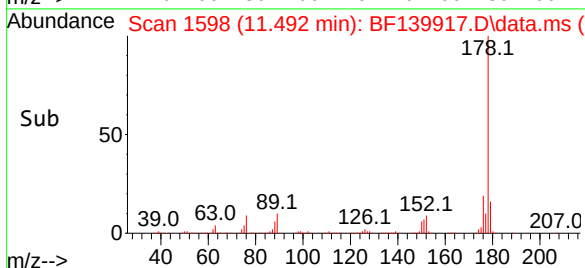
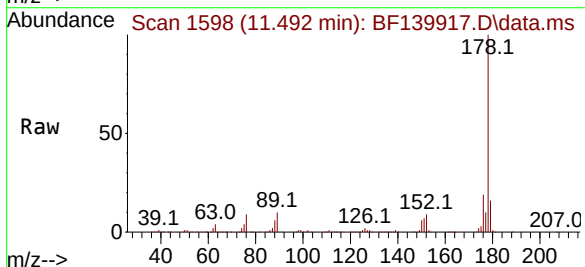
Tgt Ion:178 Resp: 1053026

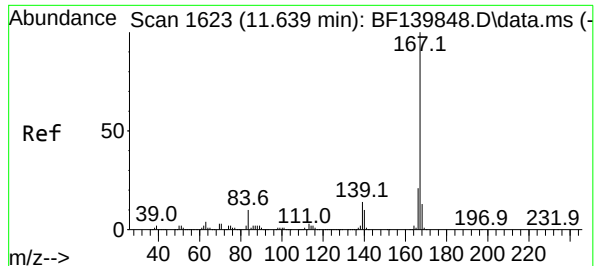
Ion Ratio Lower Upper

178 100

176 18.9 15.3 22.9

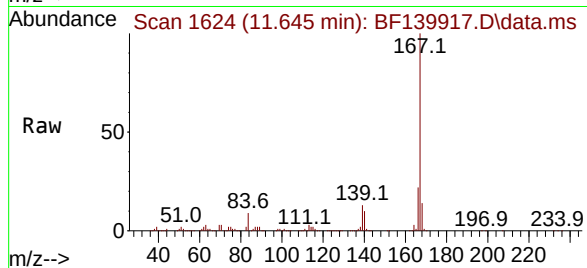
179 15.5 12.4 18.6





#73
 Carbazole
 Concen: 38.974 ng
 RT: 11.645 min Scan# 1624
 Delta R.T. 0.006 min
 Lab File: BF139917.D
 Acq: 22 Oct 2024 09:39

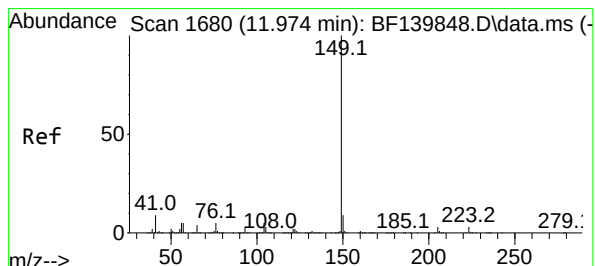
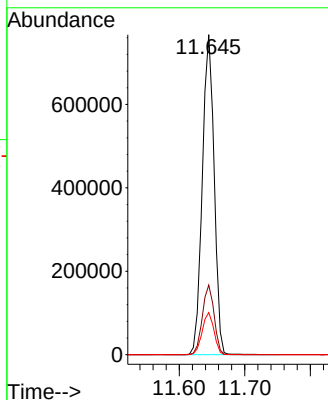
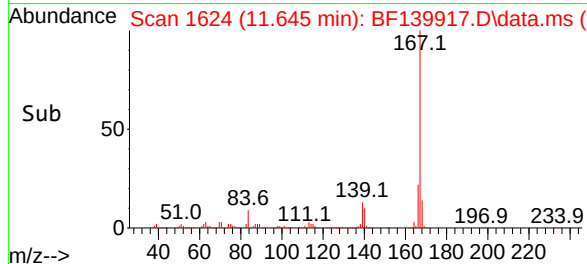
Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040



Tgt Ion:167 Resp: 96578
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.0 25.6
 139 13.2 10.8 16.2

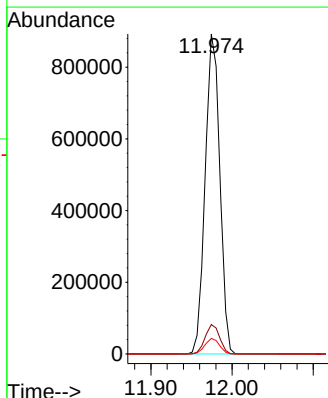
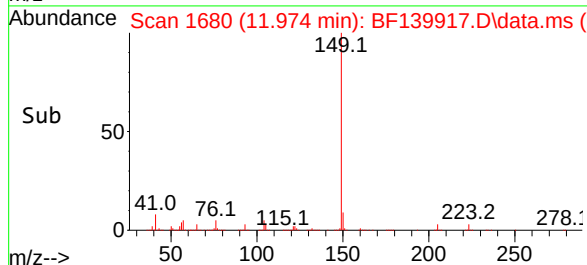
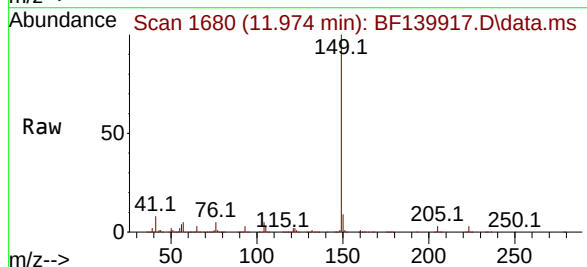
Manual Integrations
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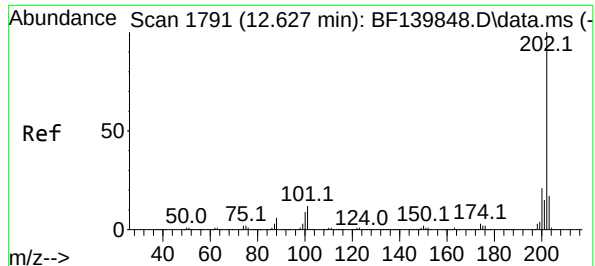
Reviewed By :Jagrut Upadhyay 10/23/2024
 Supervised By :mohammad ahmed 10/24/2024



#74
 Di-n-butylphthalate
 Concen: 38.850 ng
 RT: 11.974 min Scan# 1680
 Delta R.T. 0.000 min
 Lab File: BF139917.D
 Acq: 22 Oct 2024 09:39

Tgt Ion:149 Resp: 1112257
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.5 11.3
 104 4.9 4.1 6.1





#75

Fluoranthene

Concen: 39.486 ng

RT: 12.627 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF139917.D

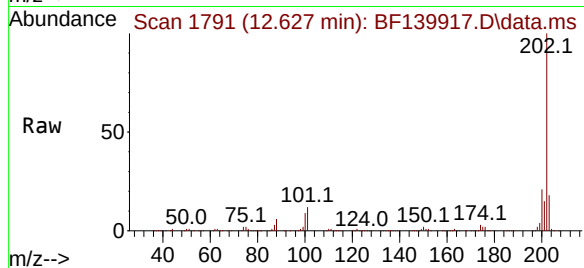
Acq: 22 Oct 2024 09:39

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:202 Resp: 1090098

Ion Ratio Lower Upper

202 100

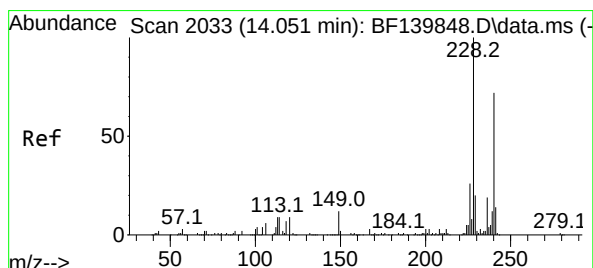
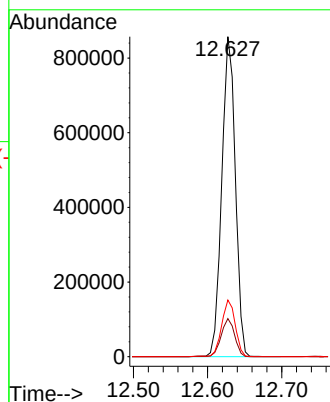
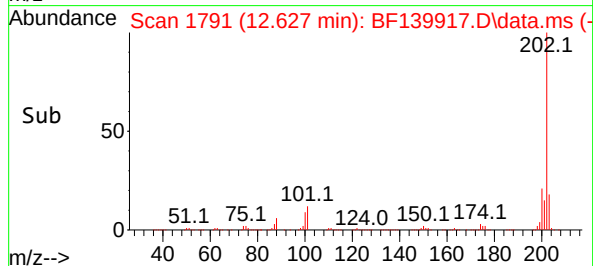
101 11.9 0.0 31.9

203 17.7 0.0 37.5

Manual Integrations

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Reviewed By :Jagrut Upadhyay 10/23/2024
 Supervised By :mohammad ahmed 10/24/2024



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 2034

Delta R.T. 0.006 min

Lab File: BF139917.D

Acq: 22 Oct 2024 09:39

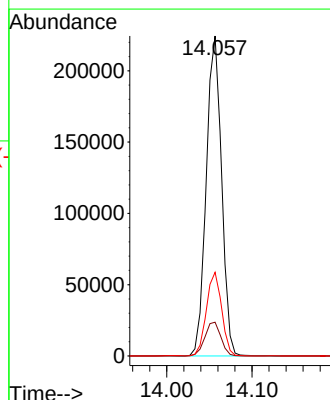
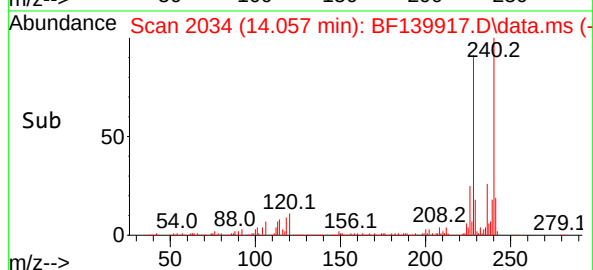
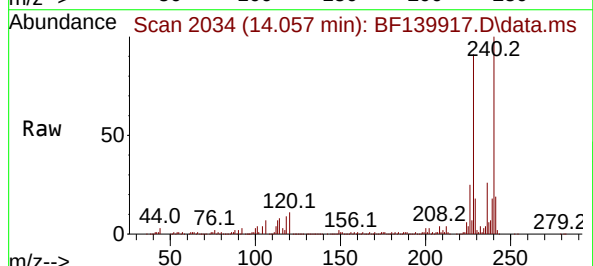
Tgt Ion:240 Resp: 280536

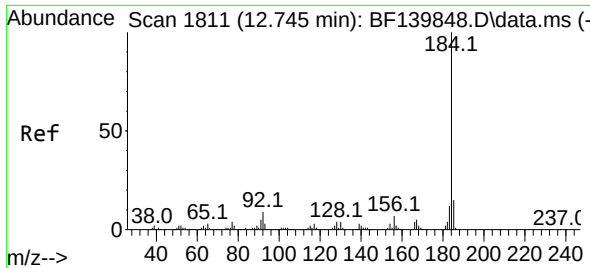
Ion Ratio Lower Upper

240 100

120 10.5 9.4 14.2

236 26.2 20.9 31.3





#77

Benzidine

Concen: 50.551 ng

RT: 12.745 min Scan# 1811

Delta R.T. -0.000 min

Lab File: BF139917.D

Acq: 22 Oct 2024 09:39

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:184 Resp: 233192

Ion Ratio Lower Upper

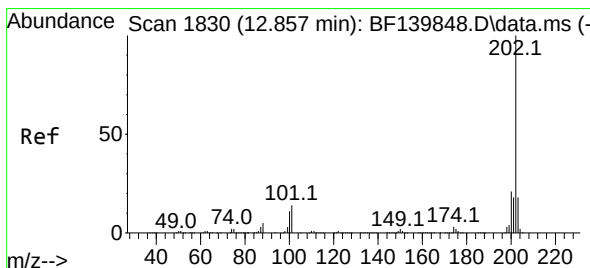
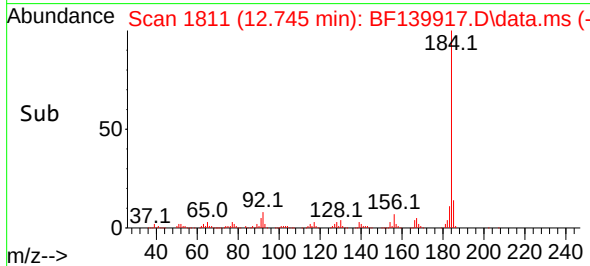
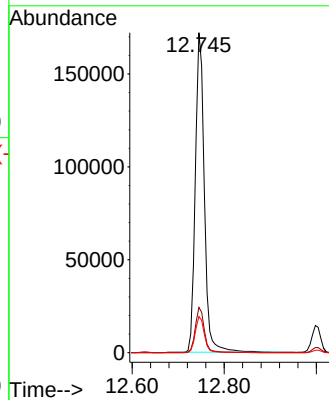
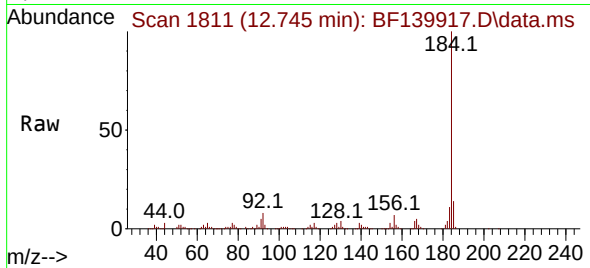
184 100

185 14.1 12.0 18.0

183 11.3 9.4 14.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

#78

Pyrene

Concen: 44.484 ng

RT: 12.857 min Scan# 1830

Delta R.T. 0.000 min

Lab File: BF139917.D

Acq: 22 Oct 2024 09:39

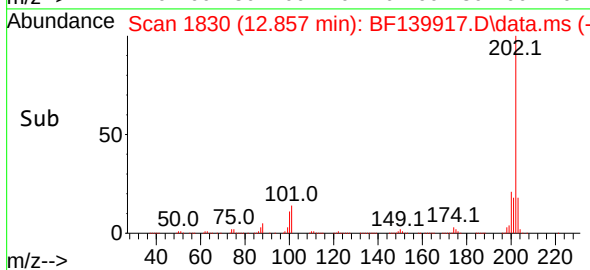
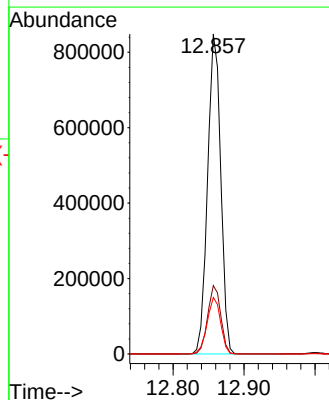
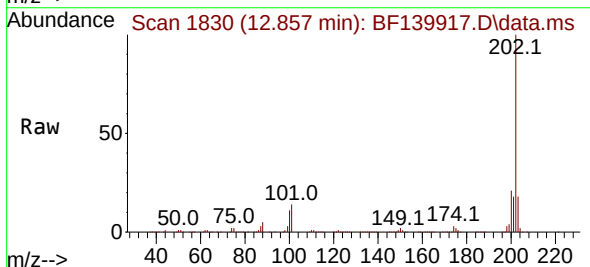
Tgt Ion:202 Resp: 1092350

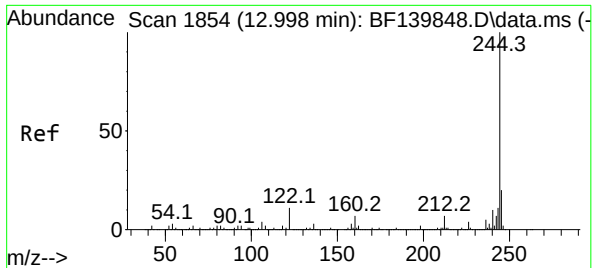
Ion Ratio Lower Upper

202 100

200 21.4 17.2 25.8

203 17.7 14.2 21.4





#79

Terphenyl-d14

Concen: 86.855 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.000 min

Lab File: BF139917.D

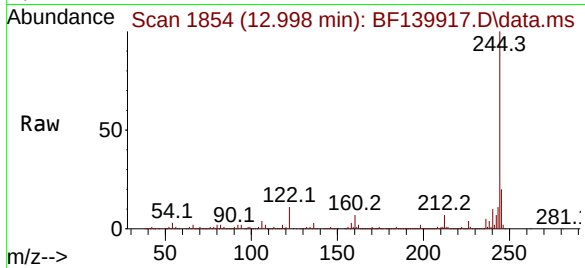
Acq: 22 Oct 2024 09:39

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:244 Resp: 149531

Ion Ratio Lower Upper

244 100

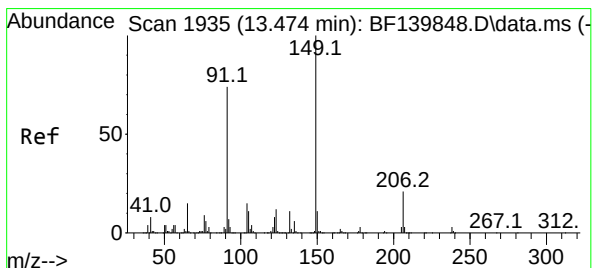
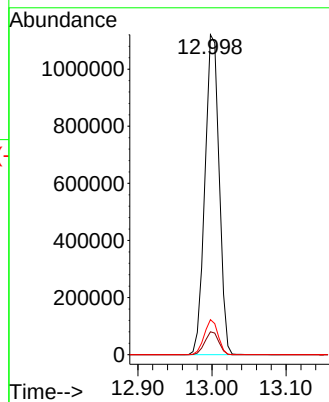
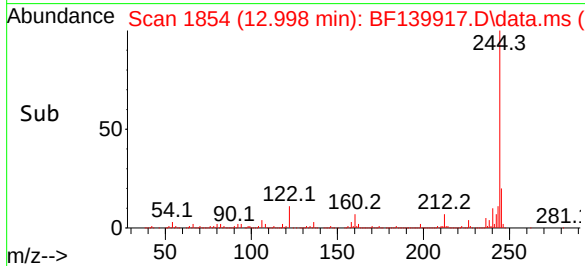
212 7.1 5.7 8.5

122 11.0 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024
 Supervised By :mohammad ahmed 10/24/2024



#80

Butylbenzylphthalate

Concen: 42.204 ng

RT: 13.474 min Scan# 1935

Delta R.T. 0.000 min

Lab File: BF139917.D

Acq: 22 Oct 2024 09:39

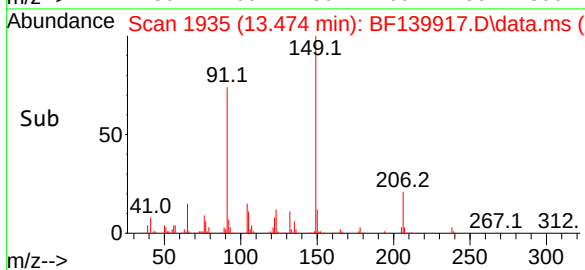
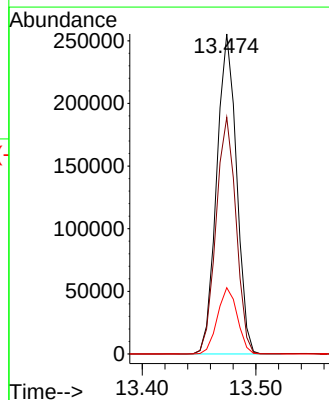
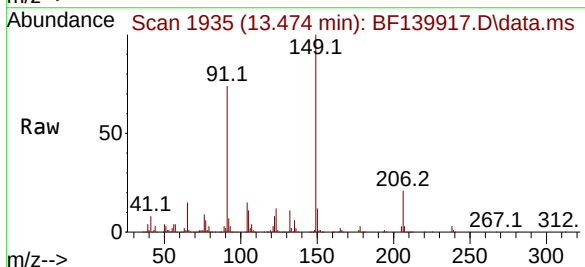
Tgt Ion:149 Resp: 310703

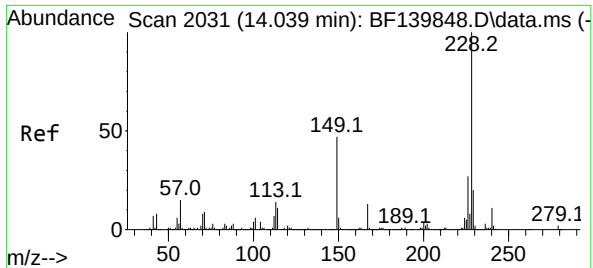
Ion Ratio Lower Upper

149 100

91 73.9 59.4 89.2

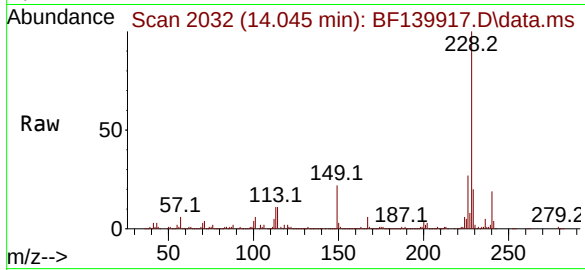
206 20.7 16.4 24.6





#81
Benzo(a)anthracene
Concen: 39.892 ng
RT: 14.045 min Scan# 2031
Delta R.T. 0.006 min
Lab File: BF139917.D
Acq: 22 Oct 2024 09:39

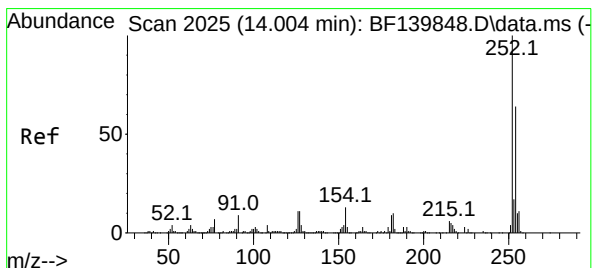
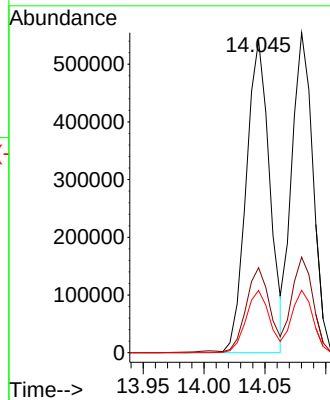
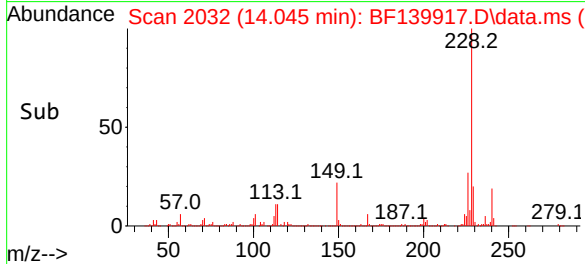
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



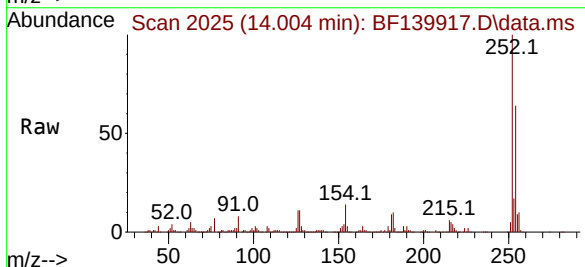
Tgt Ion:228 Resp: 72851
Ion Ratio Lower Upper
228 100
226 27.2 21.6 32.4
229 19.9 16.1 24.1

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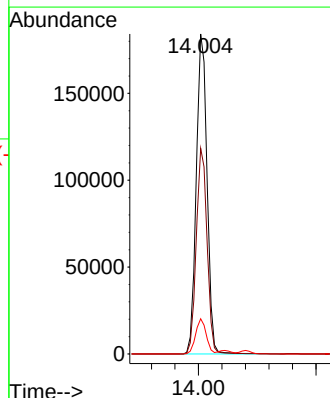
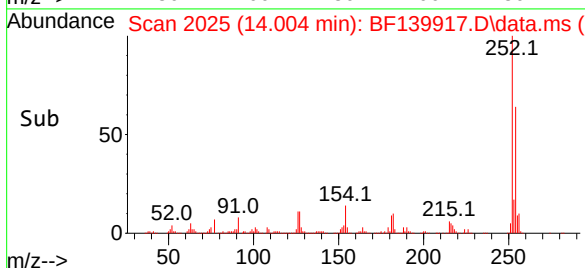
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

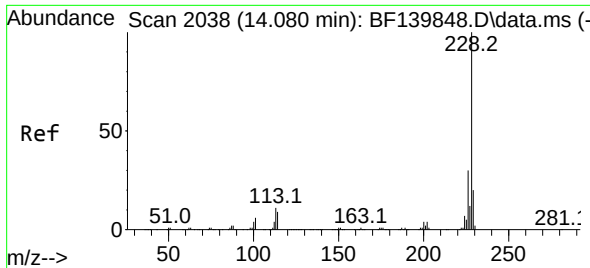


#82
3,3'-Dichlorobenzidine
Concen: 44.037 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF139917.D
Acq: 22 Oct 2024 09:39



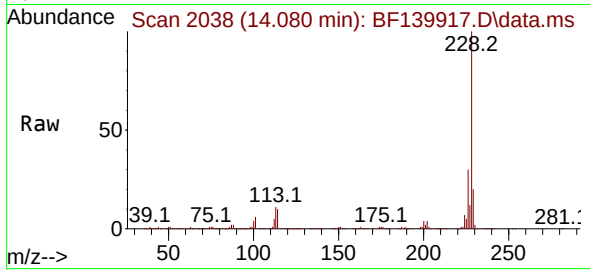
Tgt Ion:252 Resp: 234479
Ion Ratio Lower Upper
252 100
254 64.3 50.8 76.2
126 11.0 8.9 13.3





#83
Chrysene
Concen: 40.226 ng
RT: 14.080 min Scan# 2038
Delta R.T. 0.000 min
Lab File: BF139917.D
Acq: 22 Oct 2024 09:39

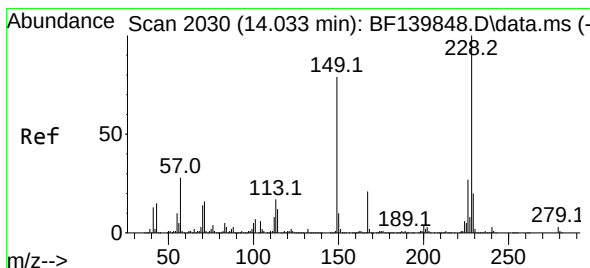
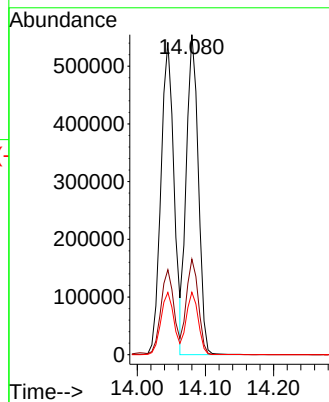
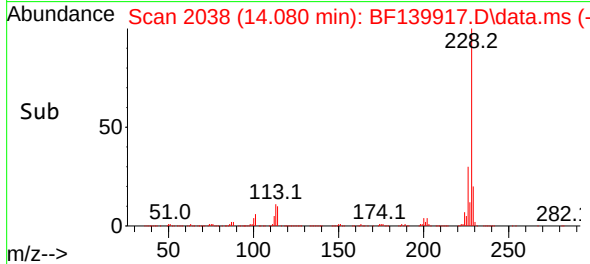
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



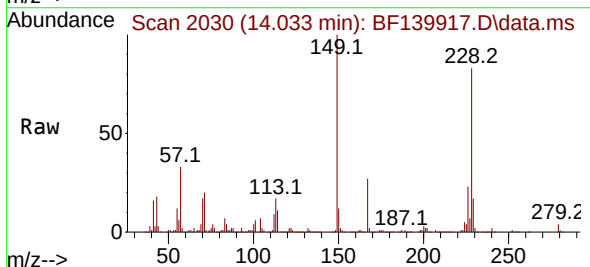
Tgt Ion:228 Resp: 673549
Ion Ratio Lower Upper
228 100
226 29.9 24.1 36.1
229 19.5 15.8 23.6

Manual Integrations
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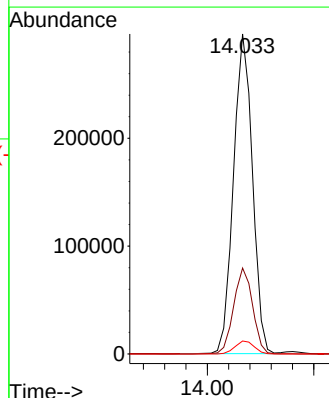
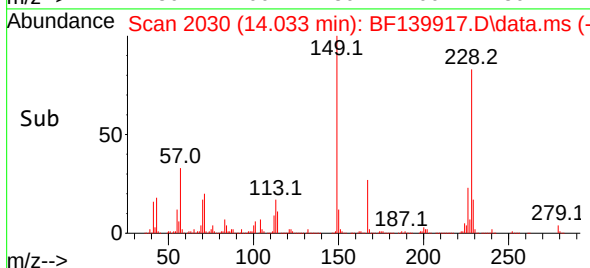
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

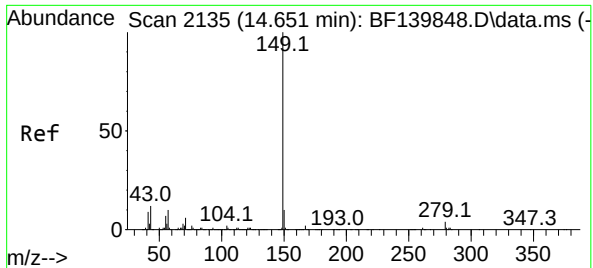


#84
Bis(2-ethylhexyl)phthalate
Concen: 44.352 ng
RT: 14.033 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF139917.D
Acq: 22 Oct 2024 09:39



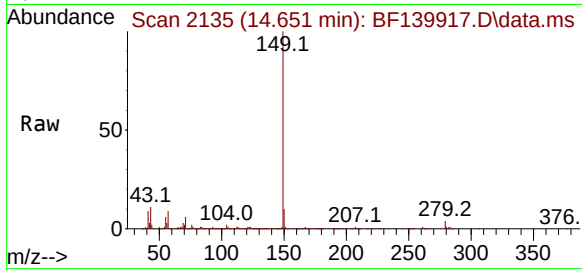
Tgt Ion:149 Resp: 366338
Ion Ratio Lower Upper
149 100
167 26.8 21.4 32.0
279 4.0 3.0 4.4





#85
Di-n-octyl phthalate
Concen: 43.844 ng
RT: 14.651 min Scan# 2135
Delta R.T. -0.000 min
Lab File: BF139917.D
Acq: 22 Oct 2024 09:39

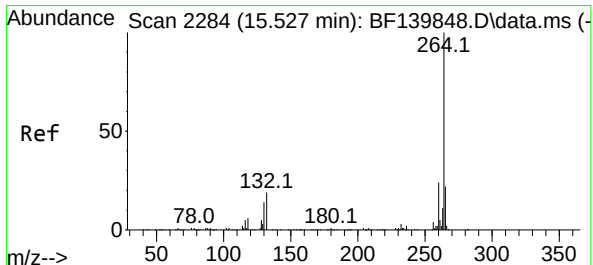
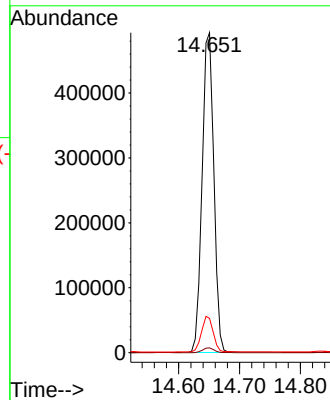
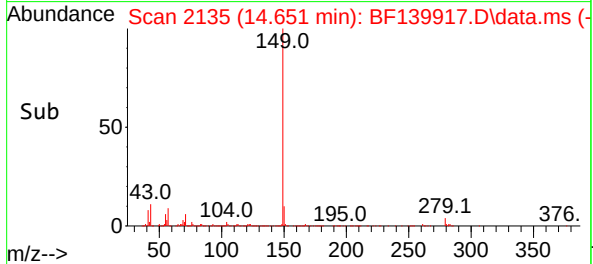
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:149 Resp: 65869
Ion Ratio Lower Upper
149 100
167 1.5 1.2 1.8
43 11.3 9.8 14.6

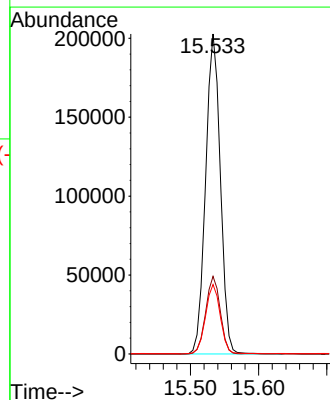
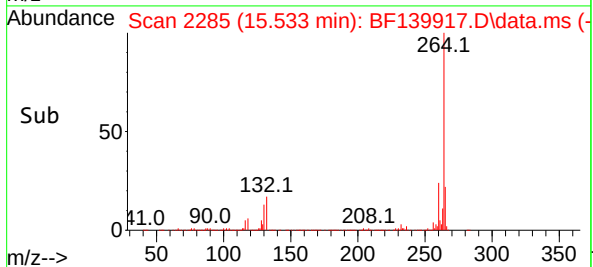
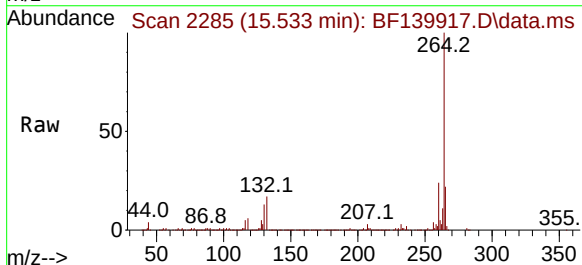
Manual Integrations
APPROVED

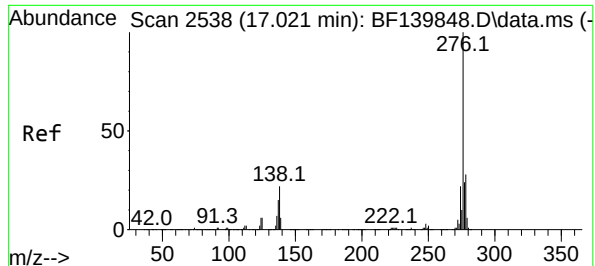
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2285
Delta R.T. 0.006 min
Lab File: BF139917.D
Acq: 22 Oct 2024 09:39

Tgt Ion:264 Resp: 304746
Ion Ratio Lower Upper
264 100
260 24.3 19.4 29.2
265 21.7 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 45.868 ng

RT: 17.033 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF139917.D

Acq: 22 Oct 2024 09:39

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:276 Resp: 89924

Ion Ratio Lower Upper

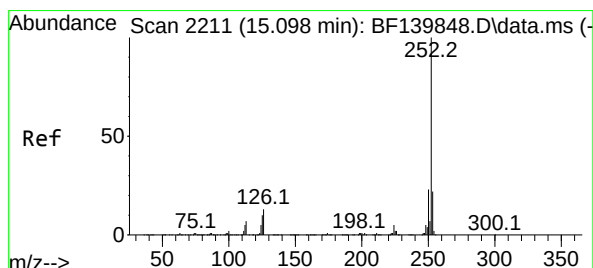
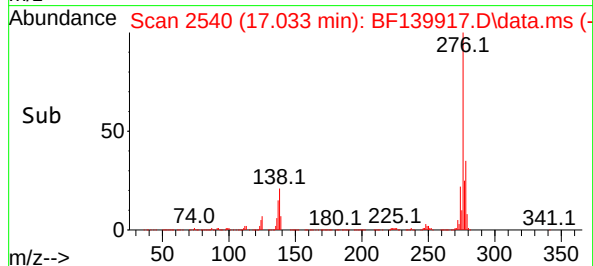
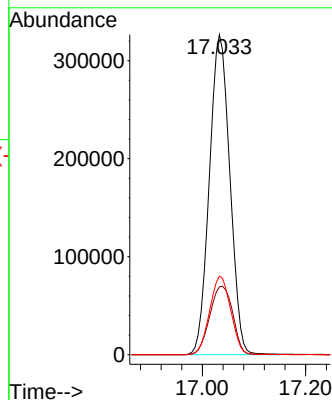
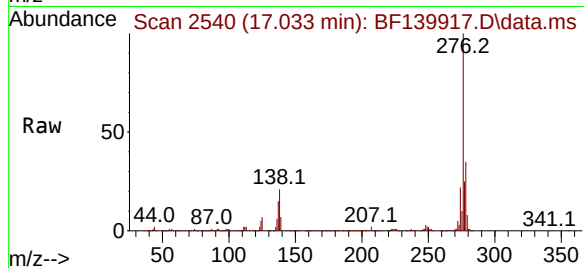
276 100

138 24.0 20.4 30.6

277 25.2 20.2 30.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

#88

Benzo(b)fluoranthene

Concen: 39.789 ng

RT: 15.098 min Scan# 2211

Delta R.T. 0.000 min

Lab File: BF139917.D

Acq: 22 Oct 2024 09:39

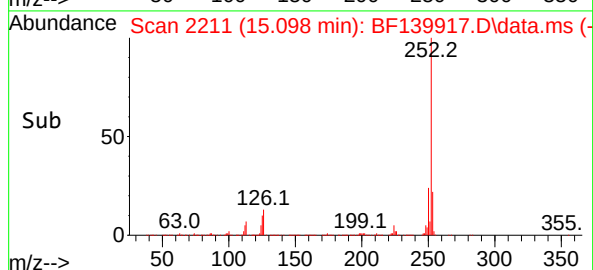
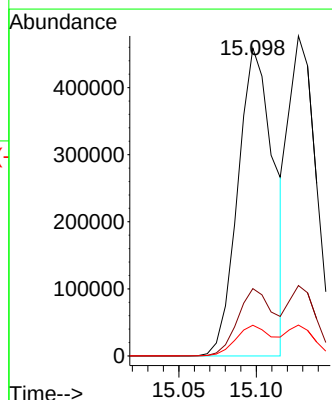
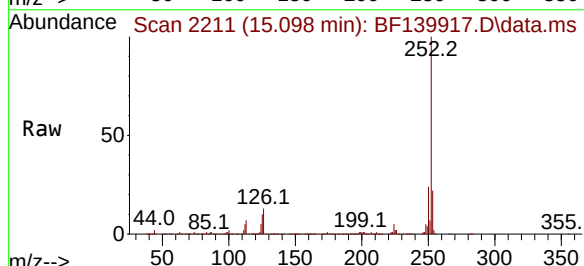
Tgt Ion:252 Resp: 738627

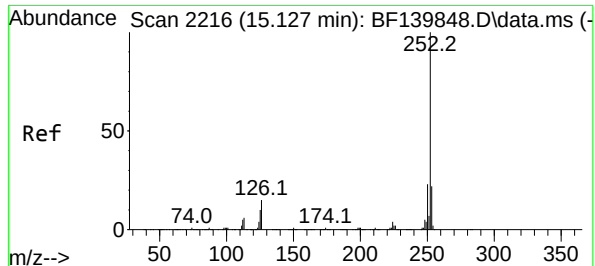
Ion Ratio Lower Upper

252 100

253 21.9 17.6 26.4

125 10.0 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 36.841 ng

RT: 15.127 min Scan# 2216

Delta R.T. 0.000 min

Lab File: BF139917.D

Acq: 22 Oct 2024 09:39

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:252 Resp: 58981

Ion Ratio Lower Upper

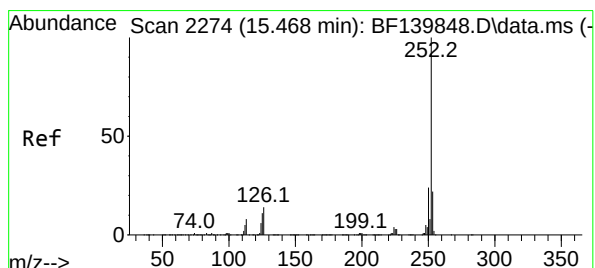
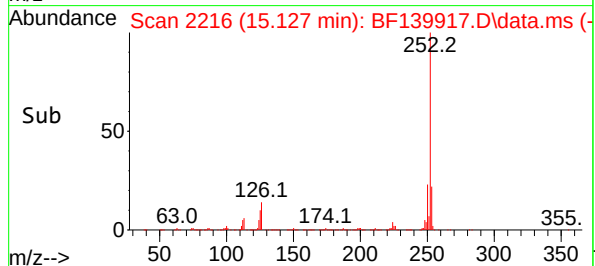
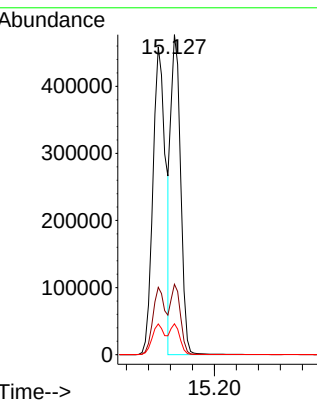
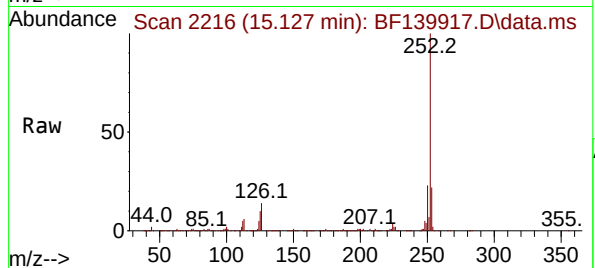
252 100

253 22.0 17.6 26.4

125 9.7 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

#90

Benzo(a)pyrene

Concen: 40.221 ng

RT: 15.468 min Scan# 2274

Delta R.T. 0.000 min

Lab File: BF139917.D

Acq: 22 Oct 2024 09:39

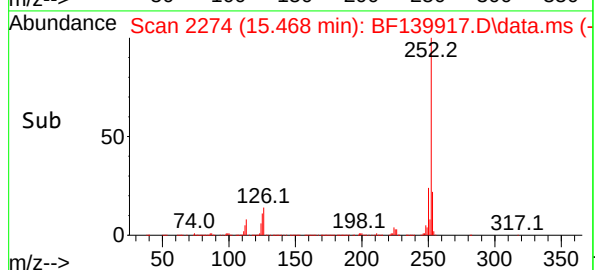
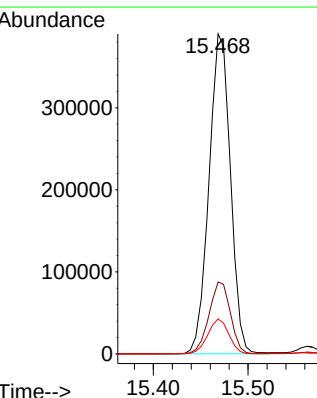
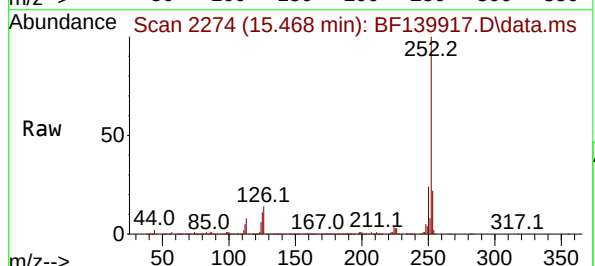
Tgt Ion:252 Resp: 614376

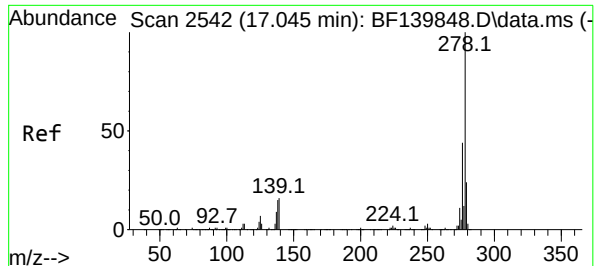
Ion Ratio Lower Upper

252 100

253 22.5 17.3 25.9

125 11.0 8.7 13.1





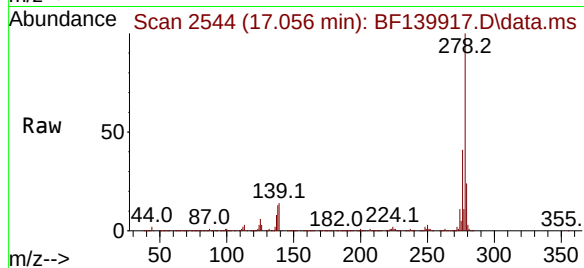
#91
Dibenzo(a,h)anthracene
Concen: 45.459 ng
RT: 17.056 min Scan# 2544
Delta R.T. 0.012 min
Lab File: BF139917.D
Acq: 22 Oct 2024 09:39

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

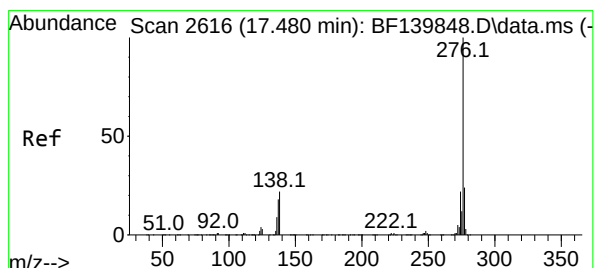
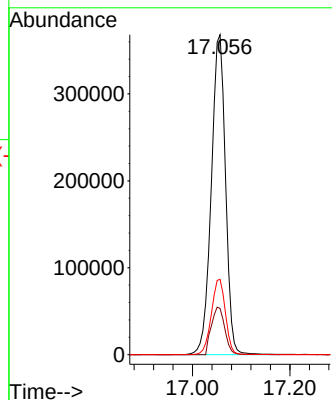
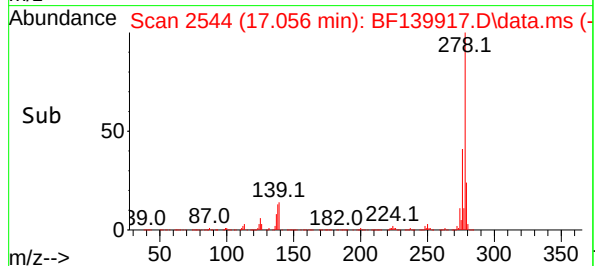


Tgt Ion:278 Resp: 743480
Ion Ratio Lower Upper
278 100
139 14.4 13.1 19.7
279 23.5 19.0 28.4

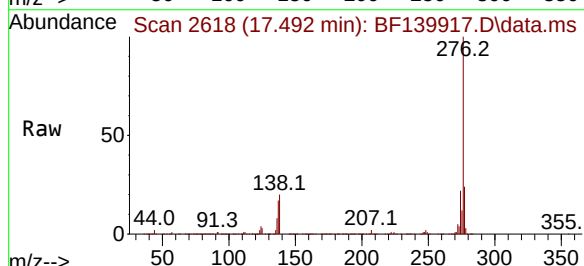
Manual Integrations

APPROVED

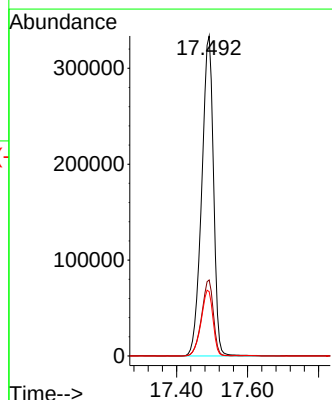
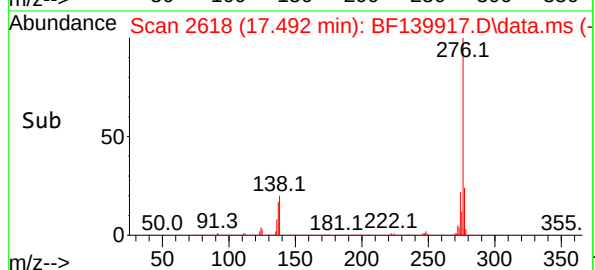
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#92
Benzo(g,h,i)perylene
Concen: 47.183 ng
RT: 17.492 min Scan# 2618
Delta R.T. 0.012 min
Lab File: BF139917.D
Acq: 22 Oct 2024 09:39



Tgt Ion:276 Resp: 770798
Ion Ratio Lower Upper
276 100
277 23.7 19.0 28.6
138 20.1 17.4 26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
 Data File : BF139917.D
 Acq On : 22 Oct 2024 09:39
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Oct 22 11:02:29 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	86	0.00
2	1,4-Dioxane	0.596	0.558	6.4	82	-0.02
3	Pyridine	1.476	1.403	4.9	81	-0.02
4	n-Nitrosodimethylamine	0.793	0.733	7.6	79	-0.02
5 S	2-Fluorophenol	1.278	1.261	1.3	85	0.00
6	Aniline	1.542	1.510	2.1	82	0.00
7 S	Phenol-d6	1.655	1.609	2.8	84	0.00
8	2-Chlorophenol	1.306	1.309	-0.2	86	0.00
9	Benzaldehyde	0.931	0.912	2.0	84	0.00
10 C	Phenol	1.706	1.663	2.5	84	0.00
11	bis(2-Chloroethyl)ether	1.319	1.282	2.8	85	0.00
12	1,3-Dichlorobenzene	1.499	1.497	0.1	86	0.00
13 C	1,4-Dichlorobenzene	1.498	1.509	-0.7	88	0.00
14	1,2-Dichlorobenzene	1.398	1.406	-0.6	88	0.00
15	Benzyl Alcohol	1.214	1.201	1.1	85	0.00
16	2,2'-oxybis(1-Chloropropane	2.248	2.110	6.1	81	0.00
17	2-Methylphenol	1.114	1.094	1.8	85	0.00
18	Hexachloroethane	0.534	0.540	-1.1	86	0.00
19 P	n-Nitroso-di-n-propylamine	1.004	0.945	5.9	84	0.00
20	3+4-Methylphenols	1.424	1.403	1.5	85	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	86	0.00
22	Acetophenone	0.490	0.478	2.4	86	0.00
23 S	Nitrobenzene-d5	0.361	0.380	-5.3	88	0.00
24	Nitrobenzene	0.396	0.402	-1.5	86	0.00
25	Isophorone	0.685	0.670	2.2	85	0.00
26 C	2-Nitrophenol	0.149	0.173	-16.1	95	0.00
27	2,4-Dimethylphenol	0.249	0.244	2.0	85	0.00
28	bis(2-Chloroethoxy)methane	0.415	0.406	2.2	85	0.00
29 C	2,4-Dichlorophenol	0.283	0.288	-1.8	88	0.00
30	1,2,4-Trichlorobenzene	0.314	0.320	-1.9	88	0.00
31	Naphthalene	1.031	1.032	-0.1	87	0.00
32	Benzoic acid	0.217	0.241	-11.1	95	0.00
33	4-Chloroaniline	0.352	0.351	0.3	86	0.00
34 C	Hexachlorobutadiene	0.197	0.204	-3.6	89	0.00
35	Caprolactam	0.090	0.089	1.1	84	0.00
36 C	4-Chloro-3-methylphenol	0.314	0.312	0.6	85	0.00
37	2-Methylnaphthalene	0.632	0.628	0.6	87	0.00
38	1-Methylnaphthalene	0.620	0.616	0.6	87	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	87	0.00
40	1,2,4,5-Tetrachlorobenzene	0.540	0.546	-1.1	88	0.00
41 P	Hexachlorocyclopentadiene	0.188	0.217	-15.4	95	0.00
42 S	2,4,6-Tribromophenol	0.187	0.203	-8.6	94	0.00
43 C	2,4,6-Trichlorophenol	0.382	0.408	-6.8	92	0.00
44	2,4,5-Trichlorophenol	0.394	0.398	-1.0	87	0.00
45 S	2-Fluorobiphenyl	1.210	1.182	2.3	88	0.00
46	1,1'-Biphenyl	1.392	1.379	0.9	87	0.00
47	2-Chloronaphthalene	1.121	1.123	-0.2	88	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
 Data File : BF139917.D
 Acq On : 22 Oct 2024 09:39
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Oct 22 11:02:29 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	2-Nitroaniline	0.343	0.368	-7.3	88	0.00
49	Acenaphthylene	1.621	1.606	0.9	87	0.00
50	Dimethylphthalate	1.246	1.243	0.2	87	0.00
51	2,6-Dinitrotoluene	0.270	0.288	-6.7	89	0.00
52 C	Acenaphthene	1.049	1.063	-1.3	89	0.00
53	3-Nitroaniline	0.278	0.290	-4.3	86	0.00
54 P	2,4-Dinitrophenol	0.093	0.135	-45.2#	116	0.00
55	Dibenzofuran	1.505	1.486	1.3	87	0.00
56 P	4-Nitrophenol	0.214	0.236	-10.3	89	0.00
57	2,4-Dinitrotoluene	0.332	0.383	-15.4	93	0.00
58	Fluorene	1.146	1.131	1.3	89	0.00
59	2,3,4,6-Tetrachlorophenol	0.309	0.325	-5.2	91	0.00
60	Diethylphthalate	1.223	1.207	1.3	86	0.00
61	4-Chlorophenyl-phenylether	0.579	0.588	-1.6	90	0.00
62	4-Nitroaniline	0.263	0.284	-8.0	90	0.00
63	Azobenzene	1.297	1.249	3.7	83	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	87	0.00
65	4,6-Dinitro-2-methylphenol	0.082	0.110	-34.1#	110	0.00
66 c	n-Nitrosodiphenylamine	0.599	0.590	1.5	86	0.00
67	4-Bromophenyl-phenylether	0.206	0.210	-1.9	90	0.00
68	Hexachlorobenzene	0.232	0.234	-0.9	88	0.00
69	Atrazine	0.162	0.167	-3.1	83	0.00
70 C	Pentachlorophenol	0.141	0.161	-14.2	93	0.00
71	Phenanthrene	0.945	0.922	2.4	86	0.00
72	Anthracene	0.922	0.911	1.2	87	0.00
73	Carbazole	0.857	0.835	2.6	86	0.00
74	Di-n-butylphthalate	0.990	0.962	2.8	83	0.00
75 C	Fluoranthene	0.955	0.943	1.3	87	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	81	0.00
77	Benzydine	0.329	0.416	-26.4#	92	0.00
78	Pyrene	1.751	1.947	-11.2	88	0.00
79 S	Terphenyl-d14	1.227	1.333	-8.6	87	0.00
80	Butylbenzylphthalate	0.525	0.554	-5.5	81	0.00
81	Benzo(a)anthracene	1.302	1.298	0.3	79	0.00
82	3,3'-Dichlorobenzidine	0.380	0.418	-10.0	88	0.00
83	Chrysene	1.194	1.200	-0.5	83	0.00
84	Bis(2-ethylhexyl)phthalate	0.589	0.653	-10.9	85	0.00
85 c	Di-n-octyl phthalate	1.071	1.174	-9.6	84	0.00
86 I	Perylene-d12	1.000	1.000	0.0	83	0.00
87	Indeno(1,2,3-cd)pyrene	1.287	1.475	-14.6	91	0.01
88	Benzo(b)fluoranthene	1.218	1.212	0.5	85	0.00
89	Benzo(k)fluoranthene	1.051	0.968	7.9	76	0.00
90 C	Benzo(a)pyrene	1.002	1.008	-0.6	82	0.00
91	Dibenzo(a,h)anthracene	1.073	1.220	-13.7	91	0.01
92	Benzo(g,h,i)perylene	1.072	1.265	-18.0	94	0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139917.D
Acq On : 22 Oct 2024 09:39
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 22 11:02:29 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
 Data File : BF139917.D
 Acq On : 22 Oct 2024 09:39
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Oct 22 11:02:29 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	86	0.00
2	1,4-Dioxane	40.000	37.485	6.3	82	-0.02
3	Pyridine	40.000	38.017	5.0	81	-0.02
4	n-Nitrosodimethylamine	40.000	36.981	7.5	79	-0.02
5 S	2-Fluorophenol	80.000	78.965	1.3	85	0.00
6	Aniline	40.000	39.164	2.1	82	0.00
7 S	Phenol-d6	80.000	77.800	2.8	84	0.00
8	2-Chlorophenol	40.000	40.092	-0.2	86	0.00
9	Benzaldehyde	40.000	39.203	2.0	84	0.00
10 C	Phenol	40.000	38.994	2.5	84	0.00
11	bis(2-Chloroethyl)ether	40.000	38.880	2.8	85	0.00
12	1,3-Dichlorobenzene	40.000	39.951	0.1	86	0.00
13 C	1,4-Dichlorobenzene	40.000	40.310	-0.8	88	0.00
14	1,2-Dichlorobenzene	40.000	40.239	-0.6	88	0.00
15	Benzyl Alcohol	40.000	39.585	1.0	85	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	37.537	6.2	81	0.00
17	2-Methylphenol	40.000	39.278	1.8	85	0.00
18	Hexachloroethane	40.000	40.451	-1.1	86	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	37.661	5.8	84	0.00
20	3+4-Methylphenols	40.000	39.396	1.5	85	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	86	0.00
22	Acetophenone	40.000	39.002	2.5	86	0.00
23 S	Nitrobenzene-d5	80.000	84.243	-5.3	88	0.00
24	Nitrobenzene	40.000	40.605	-1.5	86	0.00
25	Isophorone	40.000	39.145	2.1	85	0.00
26 C	2-Nitrophenol	40.000	46.478	-16.2	95	0.00
27	2,4-Dimethylphenol	40.000	39.219	2.0	85	0.00
28	bis(2-Chloroethoxy)methane	40.000	39.147	2.1	85	0.00
29 C	2,4-Dichlorophenol	40.000	40.582	-1.5	88	0.00
30	1,2,4-Trichlorobenzene	40.000	40.857	-2.1	88	0.00
31	Naphthalene	40.000	40.010	-0.0	87	0.00
32	Benzoic acid	40.000	44.500	-11.3	95	0.00
33	4-Chloroaniline	40.000	39.919	0.2	86	0.00
34 C	Hexachlorobutadiene	40.000	41.401	-3.5	89	0.00
35	Caprolactam	40.000	39.545	1.1	84	0.00
36 C	4-Chloro-3-methylphenol	40.000	39.766	0.6	85	0.00
37	2-Methylnaphthalene	40.000	39.779	0.6	87	0.00
38	1-Methylnaphthalene	40.000	39.758	0.6	87	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	87	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	40.448	-1.1	88	0.00
41 P	Hexachlorocyclopentadiene	40.000	46.222	-15.6	95	0.00
42 S	2,4,6-Tribromophenol	80.000	86.645	-8.3	94	0.00
43 C	2,4,6-Trichlorophenol	40.000	42.677	-6.7	92	0.00
44	2,4,5-Trichlorophenol	40.000	40.442	-1.1	87	0.00
45 S	2-Fluorobiphenyl	80.000	78.114	2.4	88	0.00
46	1,1'-Biphenyl	40.000	39.612	1.0	87	0.00
47	2-Chloronaphthalene	40.000	40.043	-0.1	88	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
 Data File : BF139917.D
 Acq On : 22 Oct 2024 09:39
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Oct 22 11:02:29 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	42.915	-7.3	88	0.00
49	Acenaphthylene	40.000	39.627	0.9	87	0.00
50	Dimethylphthalate	40.000	39.899	0.3	87	0.00
51	2,6-Dinitrotoluene	40.000	42.689	-6.7	89	0.00
52 C	Acenaphthene	40.000	40.556	-1.4	89	0.00
53	3-Nitroaniline	40.000	41.700	-4.3	86	0.00
54 P	2,4-Dinitrophenol	40.000	50.904	-27.3#	116	0.00
55	Dibenzofuran	40.000	39.509	1.2	87	0.00
56 P	4-Nitrophenol	40.000	44.196	-10.5	89	0.00
57	2,4-Dinitrotoluene	40.000	46.168	-15.4	93	0.00
58	Fluorene	40.000	39.491	1.3	89	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	42.053	-5.1	91	0.00
60	Diethylphthalate	40.000	39.460	1.3	86	0.00
61	4-Chlorophenyl-phenylether	40.000	40.608	-1.5	90	0.00
62	4-Nitroaniline	40.000	43.200	-8.0	90	0.00
63	Azobenzene	40.000	38.524	3.7	83	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	87	0.00
65	4,6-Dinitro-2-methylphenol	40.000	53.853	-34.6#	110	0.00
66 c	n-Nitrosodiphenylamine	40.000	39.409	1.5	86	0.00
67	4-Bromophenyl-phenylether	40.000	40.773	-1.9	90	0.00
68	Hexachlorobenzene	40.000	40.445	-1.1	88	0.00
69	Atrazine	40.000	41.123	-2.8	83	0.00
70 C	Pentachlorophenol	40.000	45.904	-14.8	93	0.00
71	Phenanthrene	40.000	39.042	2.4	86	0.00
72	Anthracene	40.000	39.521	1.2	87	0.00
73	Carbazole	40.000	38.974	2.6	86	0.00
74	Di-n-butylphthalate	40.000	38.850	2.9	83	0.00
75 C	Fluoranthene	40.000	39.486	1.3	87	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	81	0.00
77	Benzydine	40.000	50.551	-26.4#	92	0.00
78	Pyrene	40.000	44.484	-11.2	88	0.00
79 S	Terphenyl-d14	80.000	86.855	-8.6	87	0.00
80	Butylbenzylphthalate	40.000	42.204	-5.5	81	0.00
81	Benzo(a)anthracene	40.000	39.892	0.3	79	0.00
82	3,3'-Dichlorobenzidine	40.000	44.037	-10.1	88	0.00
83	Chrysene	40.000	40.226	-0.6	83	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	44.352	-10.9	85	0.00
85 c	Di-n-octyl phthalate	40.000	43.844	-9.6	84	0.00
86 I	Perylene-d12	20.000	20.000	0.0	83	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	45.868	-14.7	91	0.01
88	Benzo(b)fluoranthene	40.000	39.789	0.5	85	0.00
89	Benzo(k)fluoranthene	40.000	36.841	7.9	76	0.00
90 C	Benzo(a)pyrene	40.000	40.221	-0.6	82	0.00
91	Dibenzo(a,h)anthracene	40.000	45.459	-13.6	91	0.01
92	Benzo(g,h,i)perylene	40.000	47.183	-18.0	94	0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139917.D
Acq On : 22 Oct 2024 09:39
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 22 11:02:29 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: SCHE03

Lab Code: CHEM Case No.: P4385 SAS No.: P4385 SDG No.: P4385

Instrument ID: BNA_F Calibration Date/Time: 10/22/2024 14:28

Lab File ID: BF139927.D Init. Calib. Date(s): 10/18/2024 10/18/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:27 13:46

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.278	1.238		-3.1	
Benzaldehyde	0.931	0.957		2.8	
Phenol-d6	1.655	1.570		-5.1	
Phenol	1.706	1.639		-3.9	20.0
bis(2-Chloroethyl)ether	1.319	1.272		-3.6	
2-Chlorophenol	1.306	1.287		-1.5	
2-Methylphenol	1.114	1.070		-4.0	
2,2-oxybis(1-Chloropropane)	2.248	2.090		-7.0	
Acetophenone	0.490	0.474		-3.3	
3+4-Methylphenols	1.424	1.367		-4.0	
n-Nitroso-di-n-propylamine	1.004	0.934	0.050	-7.0	
Nitrobenzene-d5	0.361	0.377		4.4	
Hexachloroethane	0.534	0.531		-0.6	
Nitrobenzene	0.396	0.401		1.3	
Isophorone	0.685	0.658		-3.9	
2-Nitrophenol	0.149	0.178		19.5	20.0
2,4-Dimethylphenol	0.249	0.243		-2.4	
bis(2-Chloroethoxy)methane	0.415	0.406		-2.2	
2,4-Dichlorophenol	0.283	0.285		0.7	20.0
Naphthalene	1.031	1.017		-1.4	
4-Chloroaniline	0.352	0.346		-1.7	
Hexachlorobutadiene	0.197	0.204		3.6	20.0
Caprolactam	0.090	0.086		-4.4	
4-Chloro-3-methylphenol	0.314	0.306		-2.5	20.0
2-Methylnaphthalene	0.632	0.625		-1.1	
Hexachlorocyclopentadiene	0.188	0.217	0.050	15.4	
2,4,6-Trichlorophenol	0.382	0.396		3.7	20.0
2-Fluorobiphenyl	1.210	1.202		-0.7	
2,4,5-Trichlorophenol	0.394	0.423		7.4	
1,1-Biphenyl	1.392	1.411		1.4	
2-Chloronaphthalene	1.121	1.140		1.7	
2-Nitroaniline	0.343	0.368		7.3	
Dimethylphthalate	1.246	1.230		-1.3	
Acenaphthylene	1.621	1.627		0.4	
2,6-Dinitrotoluene	0.270	0.289		7.0	
3-Nitroaniline	0.278	0.287		3.2	
Acenaphthene	1.049	1.066		1.6	20.0
2,4-Dinitrophenol	0.093	0.132	0.050	41.9	
4-Nitrophenol	0.214	0.223	0.050	4.2	



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: SCHE03

Lab Code: CHEM Case No.: P4385 SAS No.: P4385 SDG No.: P4385

Instrument ID: BNA_F Calibration Date/Time: 10/22/2024 14:28

Lab File ID: BF139927.D Init. Calib. Date(s): 10/18/2024 10/18/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:27 13:46

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.505	1.499		-0.4	
2,4-Dinitrotoluene	0.332	0.373		12.3	
Diethylphthalate	1.223	1.185		-3.1	
4-Chlorophenyl-phenylether	0.579	0.580		0.2	
Fluorene	1.146	1.117		-2.5	
4-Nitroaniline	0.263	0.268		1.9	
4,6-Dinitro-2-methylphenol	0.082	0.112		36.6	
n-Nitrosodiphenylamine	0.599	0.598		-0.2	20.0
2,4,6-Tribromophenol	0.187	0.201		7.5	
4-Bromophenyl-phenylether	0.206	0.216		4.9	
Hexachlorobenzene	0.232	0.239		3.0	
Atrazine	0.162	0.155		-4.3	
Pentachlorophenol	0.141	0.160		13.5	20.0
Phenanthrene	0.945	0.925		-2.1	
Anthracene	0.922	0.916		-0.7	
Carbazole	0.857	0.810		-5.5	
Di-n-butylphthalate	0.990	0.919		-7.2	
Fluoranthene	0.955	0.875		-8.5	20.0
Pyrene	1.751	1.852		5.8	
Terphenyl-d14	1.227	1.269		3.4	
Butylbenzylphthalate	0.525	0.539		2.7	
3,3-Dichlorobenzidine	0.380	0.452		18.9	
Benzo (a) anthracene	1.302	1.303		0.1	
Chrysene	1.194	1.167		-2.3	
Bis(2-ethylhexyl)phthalate	0.589	0.693		17.7	
Di-n-octyl phthalate	1.071	1.312		22.5	20.0
Benzo (b) fluoranthene	1.218	1.229		0.9	
Benzo (k) fluoranthene	1.051	0.899		-14.5	
Benzo (a) pyrene	1.002	1.008		0.6	20.0
Indeno (1,2,3-cd) pyrene	1.287	1.437		11.7	
Dibenzo (a,h) anthracene	1.073	1.186		10.5	
Benzo (g,h,i) perylene	1.072	1.213		13.2	
1,2,4,5-Tetrachlorobenzene	0.540	0.557		3.1	
1,4-Dioxane	0.596	0.561		-5.9	20.0
2,3,4,6-Tetrachlorophenol	0.309	0.321		3.9	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
 Data File : BF139927.D
 Acq On : 22 Oct 2024 14:28
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024
 Supervised By :mohammad ahmed 10/24/2024

Quant Time: Oct 22 14:55:05 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Oct 18 15:07:50 2024

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	169434	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	628861	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	340877	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	576195	20.000	ng	0.00
76) Chrysene-d12	14.051	240	272427	20.000	ng	0.00
86) Perylene-d12	15.533	264	340524	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	838903	77.511	ng	0.00
7) Phenol-d6	6.510	99	1063943	75.900	ng	0.00
23) Nitrobenzene-d5	7.451	82	947718	83.526	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	274276	86.022	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	1638873	79.459	ng	0.00
79) Terphenyl-d14	12.998	244	1382323	82.682	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	2.658	88	189974	37.647	ng	96
3) Pyridine	3.428	79	475369	38.005	ng	98
4) n-Nitrosodimethylamine	3.375	42	247041	36.761	ng	99
6) Aniline	6.557	93	502045	38.429	ng	98
8) 2-Chlorophenol	6.675	128	436183	39.422	ng	100
9) Benzaldehyde	6.440	77	324199	41.112	ng	99
10) Phenol	6.528	94	555529m	38.441	ng	
11) bis(2-Chloroethyl)ether	6.628	93	431014	38.587	ng	99
12) 1,3-Dichlorobenzene	6.834	146	498447	39.244	ng	99
13) 1,4-Dichlorobenzene	6.910	146	500537	39.446	ng	99
14) 1,2-Dichlorobenzene	7.063	146	465761	39.329	ng	99
15) Benzyl Alcohol	7.028	79	393531	38.272	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.163	45	708262	37.186	ng	99
17) 2-Methylphenol	7.134	107	362428	38.414	ng	100
18) Hexachloroethane	7.404	117	179977	39.774	ng	98
19) n-Nitroso-di-n-propyla...	7.304	70	316358	37.211	ng	98
20) 3+4-Methylphenols	7.287	107	463128	38.378	ng	98
22) Acetophenone	7.298	105	595699	38.675	ng	99
24) Nitrobenzene	7.475	77	504935	40.589	ng	98
25) Isophorone	7.710	82	827301	38.416	ng	99
26) 2-Nitrophenol	7.787	139	224110	47.753	ng	97
27) 2,4-Dimethylphenol	7.816	122	305033	38.979	ng	99
28) bis(2-Chloroethoxy)met...	7.922	93	510973	39.162	ng	100
29) 2,4-Dichlorophenol	8.028	162	359008	40.277	ng	98
30) 1,2,4-Trichlorobenzene	8.116	180	403971	40.959	ng	99
31) Naphthalene	8.198	128	1278754	39.428	ng	100
32) Benzoic acid	7.922	122	296735	43.475	ng	98
33) 4-Chloroaniline	8.239	127	434948	39.329	ng	99
34) Hexachlorobutadiene	8.316	225	257175	41.500	ng	100
35) Caprolactam	8.610	113	107774	38.027	ng	95
36) 4-Chloro-3-methylphenol	8.716	107	385163	39.024	ng	97
37) 2-Methylnaphthalene	8.886	142	786050	39.573	ng	100
38) 1-Methylnaphthalene	8.986	142	770716	39.548	ng	99
40) 1,2,4,5-Tetrachloroben...	9.051	216	380030	41.324	ng	99
41) Hexachlorocyclopentadiene	9.039	237	148115	46.288	ng	99
43) 2,4,6-Trichlorophenol	9.157	196	269749	41.430	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
 Data File : BF139927.D
 Acq On : 22 Oct 2024 14:28
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024
 Supervised By :mohammad ahmed 10/24/2024

Quant Time: Oct 22 14:55:05 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Oct 18 15:07:50 2024

Response via : Initial Calibration

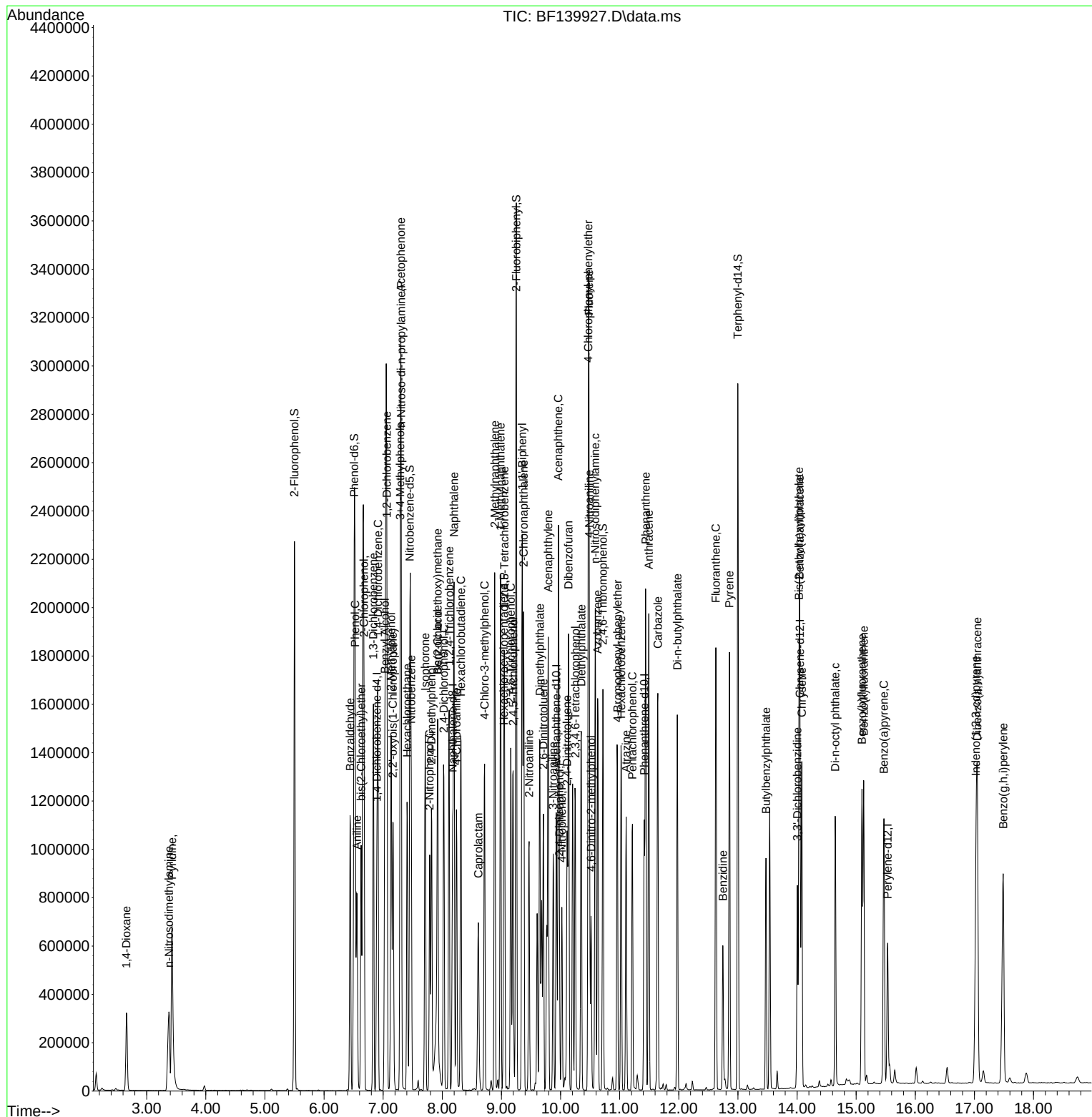
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	288478	42.944	ng	97
46) 1,1'-Biphenyl	9.351	154	962207	40.548	ng	100
47) 2-Chloronaphthalene	9.375	162	777191	40.664	ng	99
48) 2-Nitroaniline	9.469	65	250791	42.904	ng	92
49) Acenaphthylene	9.792	152	1109171	40.142	ng	100
50) Dimethylphthalate	9.651	163	838437	39.488	ng	100
51) 2,6-Dinitrotoluene	9.710	165	197329	42.923	ng	96
52) Acenaphthene	9.963	154	726834	40.664	ng	99
53) 3-Nitroaniline	9.875	138	195560	41.250	ng	98
54) 2,4-Dinitrophenol	9.981	184	90213	49.904	ng	# 2
55) Dibenzofuran	10.133	168	1022078	39.854	ng	99
56) 4-Nitrophenol	10.022	139	151806	41.620	ng	99
57) 2,4-Dinitrotoluene	10.110	165	254584	45.032	ng	97
58) Fluorene	10.481	166	761265	38.973	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.251	232	218559	41.504	ng	97
60) Diethylphthalate	10.351	149	807640	38.741	ng	100
61) 4-Chlorophenyl-phenyle...	10.469	204	395251	40.069	ng	98
62) 4-Nitroaniline	10.486	138	182487	40.756	ng	96
63) Azobenzene	10.628	77	842674	38.128	ng	99
65) 4,6-Dinitro-2-methylph...	10.516	198	128598	54.716	ng	93
66) n-Nitrosodiphenylamine	10.586	169	689056	39.956	ng	99
67) 4-Bromophenyl-phenylether	10.963	248	249054	41.957	ng	95
68) Hexachlorobenzene	11.028	284	274913	41.180	ng	95
69) Atrazine	11.110	200	179047	38.327	ng	99
70) Pentachlorophenol	11.216	266	184808	45.613	ng	99
71) Phenanthrene	11.439	178	1065463	39.147	ng	100
72) Anthracene	11.492	178	1055100	39.732	ng	100
73) Carbazole	11.645	167	933027	37.779	ng	99
74) Di-n-butylphthalate	11.975	149	1059052	37.116	ng	100
75) Fluoranthene	12.627	202	1007765	36.627	ng	99
77) Benzidine	12.745	184	321761	71.828	ng	99
78) Pyrene	12.857	202	1009031	42.314	ng	100
80) Butylbenzylphthalate	13.474	149	293771	41.091	ng	99
81) Benzo(a)anthracene	14.045	228	709829	40.026	ng	99
82) 3,3'-Dichlorobenzidine	14.004	252	246362	47.646	ng	99
83) Chrysene	14.080	228	635621	39.091	ng	99
84) Bis(2-ethylhexyl)phtha...	14.033	149	377843	47.106	ng	99
85) Di-n-octyl phthalate	14.645	149	714675	48.986	ng	98
87) Indeno(1,2,3-cd)pyrene	17.027	276	978527	44.668	ng	98
88) Benzo(b)fluoranthene	15.098	252	836843	40.343	ng	100
89) Benzo(k)fluoranthene	15.127	252	612231	34.223	ng	100
90) Benzo(a)pyrene	15.468	252	686191	40.203	ng	100
91) Dibenzo(a,h)anthracene	17.051	278	808047	44.216	ng	99
92) Benzo(g,h,i)perylene	17.486	276	825853	45.241	ng	98

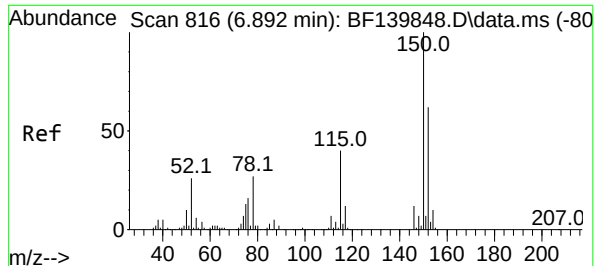
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

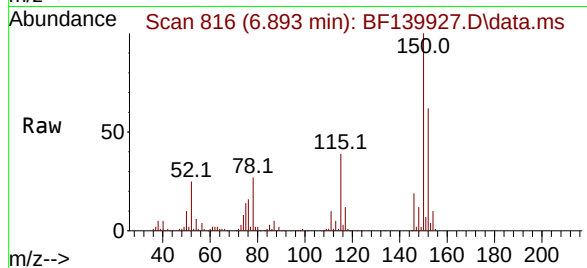
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 81
Delta R.T. 0.001 min
Lab File: BF139927.D
Acq: 22 Oct 2024 14:28

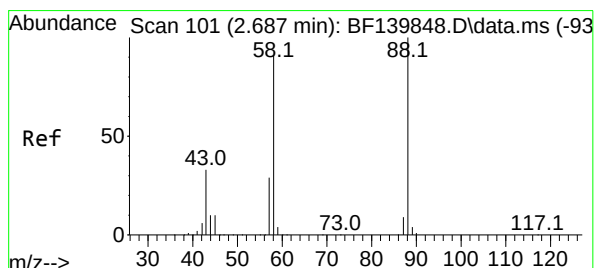
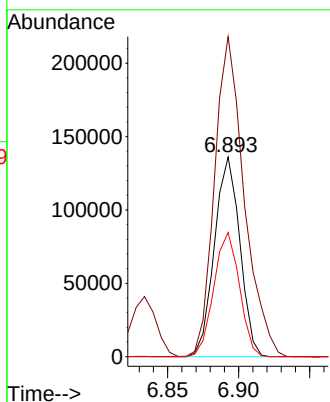
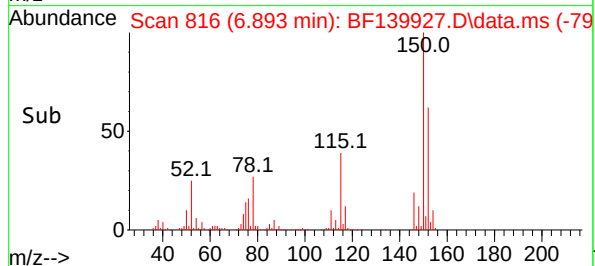
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:152 Resp: 169434
Ion Ratio Lower Upper
152 100
150 160.3 130.2 195.2
115 62.2 51.4 77.2

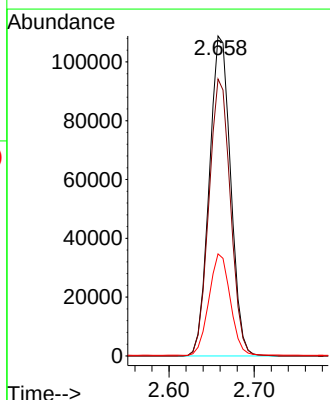
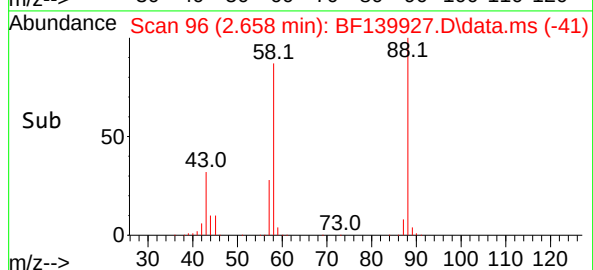
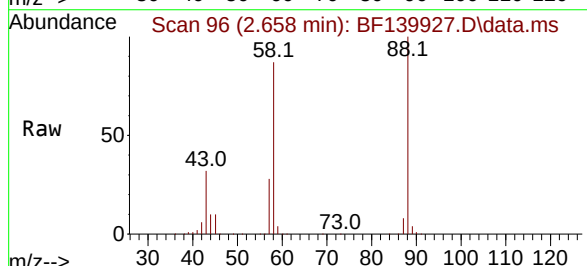
Manual Integrations
APPROVED

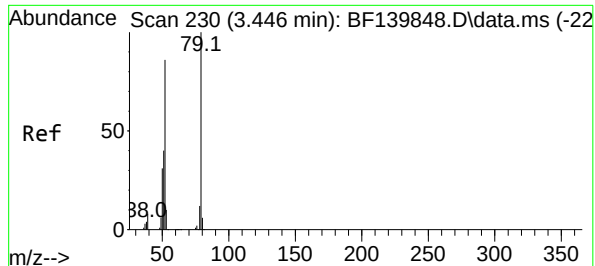
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#2
1,4-Dioxane
Concen: 37.647 ng
RT: 2.658 min Scan# 96
Delta R.T. -0.029 min
Lab File: BF139927.D
Acq: 22 Oct 2024 14:28

Tgt Ion: 88 Resp: 189974
Ion Ratio Lower Upper
88 100
58 87.2 73.3 109.9
43 31.8 27.1 40.7





#3

Pyridine

Concen: 38.005 ng

RT: 3.428 min Scan# 21

Delta R.T. -0.017 min

Lab File: BF139927.D

Acq: 22 Oct 2024 14:28

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 79 Resp: 47536

Ion Ratio Lower Upper

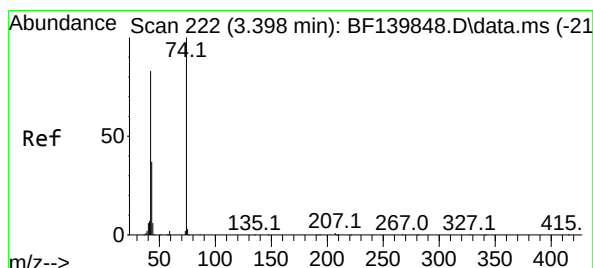
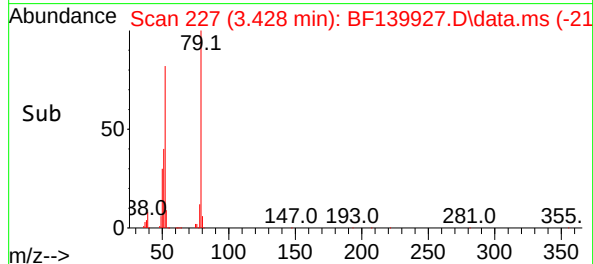
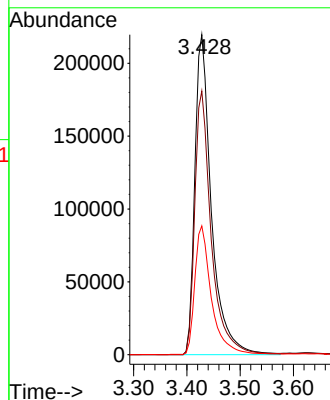
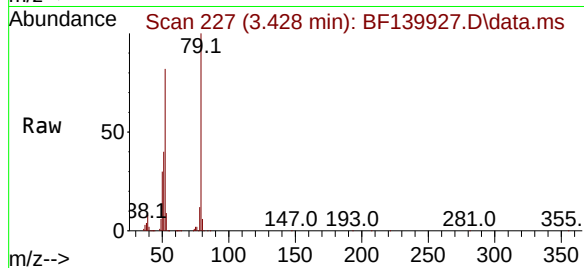
79 100

52 82.4 68.5 102.7

51 40.2 32.3 48.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

#4

n-Nitrosodimethylamine

Concen: 36.761 ng

RT: 3.375 min Scan# 218

Delta R.T. -0.023 min

Lab File: BF139927.D

Acq: 22 Oct 2024 14:28

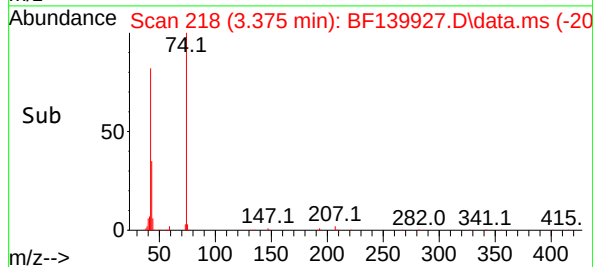
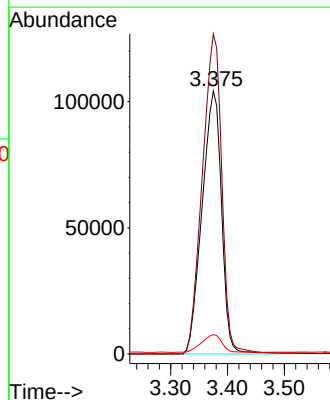
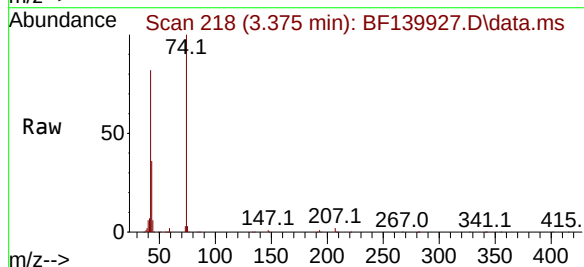
Tgt Ion: 42 Resp: 247041

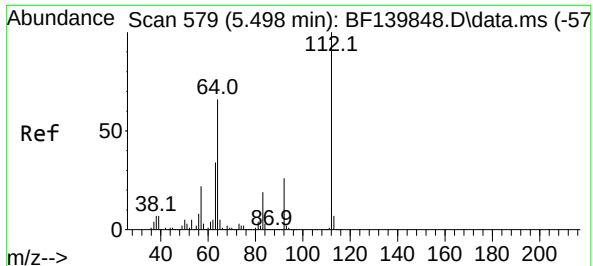
Ion Ratio Lower Upper

42 100

74 121.6 96.2 144.4

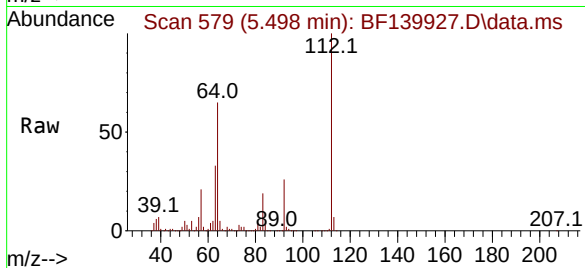
44 7.4 6.2 9.2





#5
2-Fluorophenol
Concen: 77.511 ng
RT: 5.498 min Scan# 511
Delta R.T. 0.000 min
Lab File: BF139927.D
Acq: 22 Oct 2024 14:28

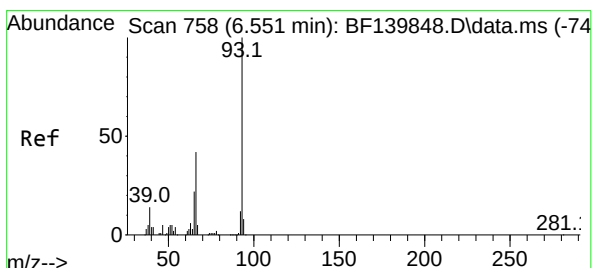
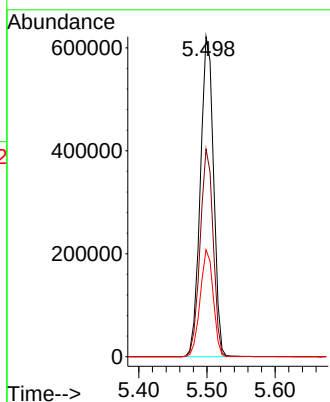
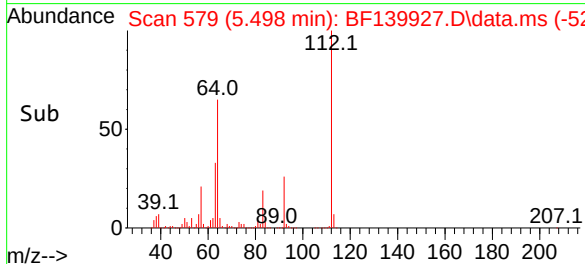
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion: 112 Resp: 83890
Ion Ratio Lower Upper
112 100
64 64.9 53.0 79.6
63 33.4 27.0 40.4

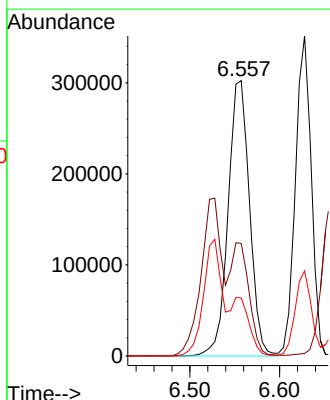
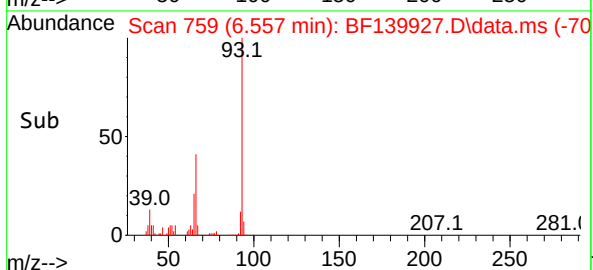
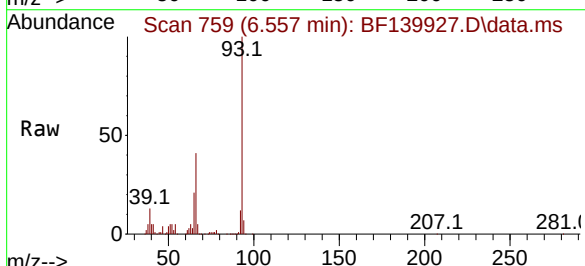
Manual Integrations
APPROVED

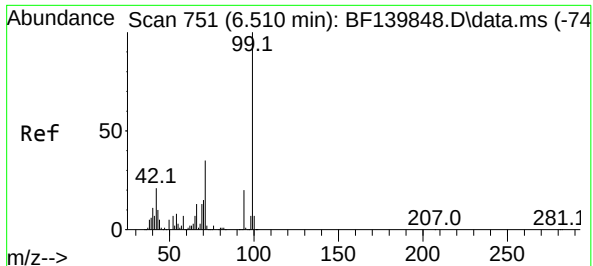
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#6
Aniline
Concen: 38.429 ng
RT: 6.557 min Scan# 759
Delta R.T. 0.006 min
Lab File: BF139927.D
Acq: 22 Oct 2024 14:28

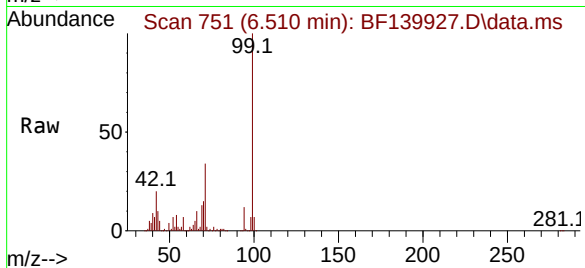
Tgt Ion: 93 Resp: 502045
Ion Ratio Lower Upper
93 100
66 40.8 34.0 51.0
65 21.0 17.4 26.0





#7
Phenol-d6
Concen: 75.900 ng
RT: 6.510 min Scan# 751
Delta R.T. 0.000 min
Lab File: BF139927.D
Acq: 22 Oct 2024 14:28

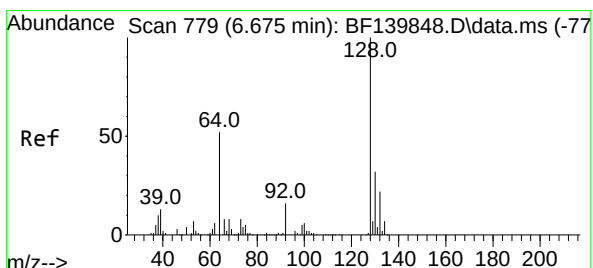
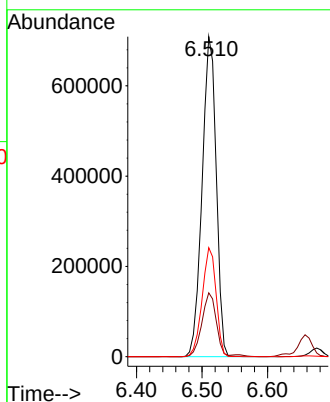
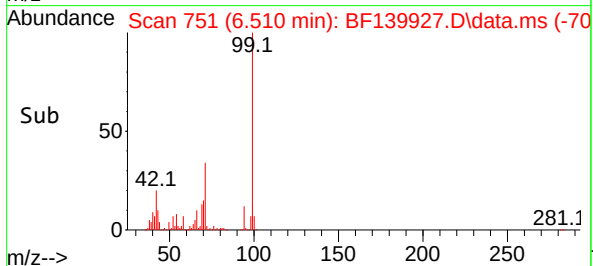
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion: 99 Resp: 106394
Ion Ratio Lower Upper
99 100
42 20.0 16.7 25.1
71 34.1 27.7 41.5

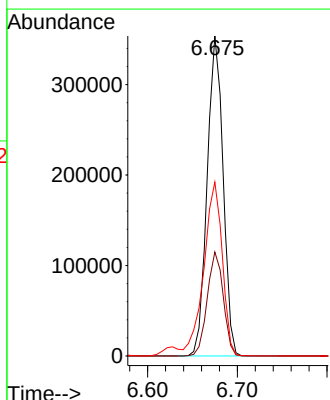
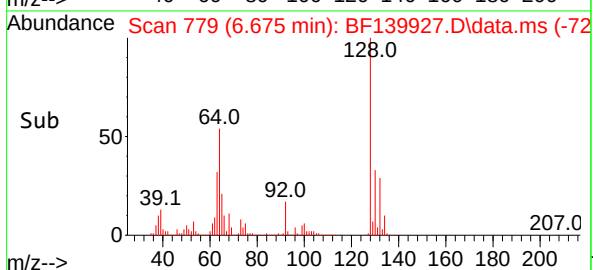
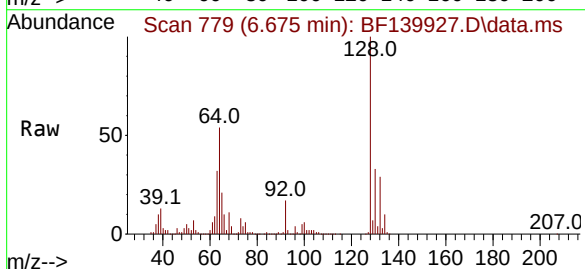
Manual Integrations
APPROVED

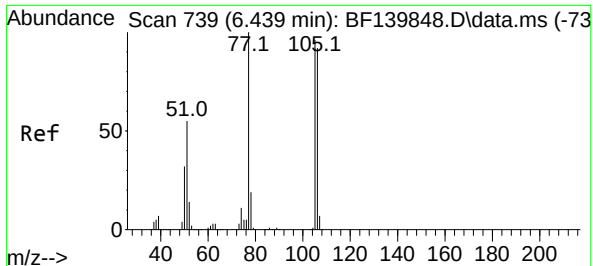
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#8
2-Chlorophenol
Concen: 39.422 ng
RT: 6.675 min Scan# 779
Delta R.T. 0.000 min
Lab File: BF139927.D
Acq: 22 Oct 2024 14:28

Tgt Ion:128 Resp: 436183
Ion Ratio Lower Upper
128 100
130 32.5 12.3 52.3
64 54.3 34.6 74.6





#9

Benzaldehyde

Concen: 41.112 ng

RT: 6.440 min Scan# 739

Delta R.T. 0.001 min

Lab File: BF139927.D

Acq: 22 Oct 2024 14:28

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 77 Resp: 324199

Ion Ratio Lower Upper

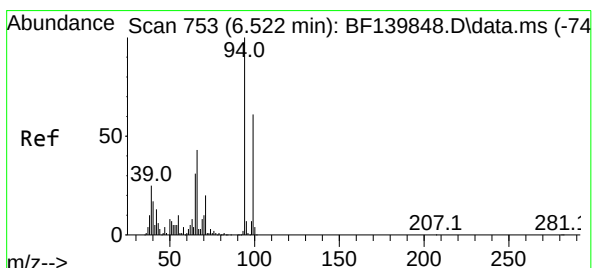
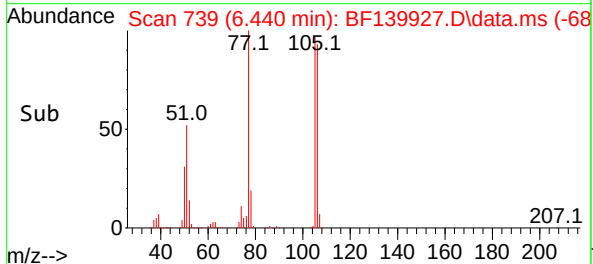
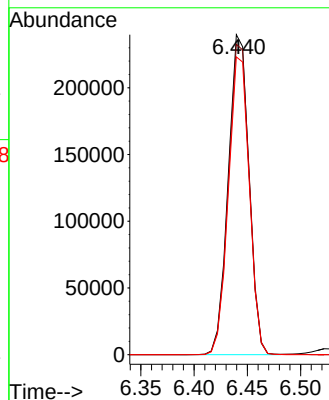
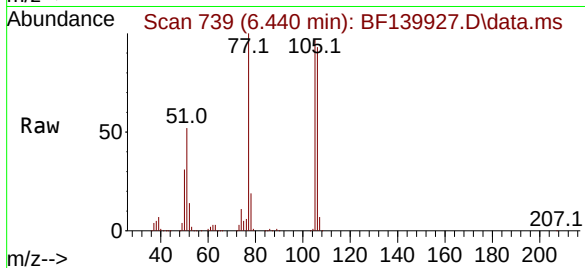
77 100

105 97.0 75.5 115.5

106 93.0 71.7 111.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

#10

Phenol

Concen: 38.441 ng m

RT: 6.528 min Scan# 754

Delta R.T. 0.006 min

Lab File: BF139927.D

Acq: 22 Oct 2024 14:28

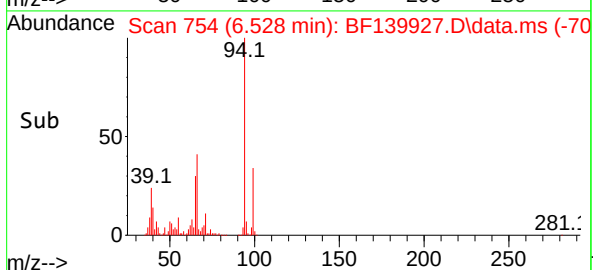
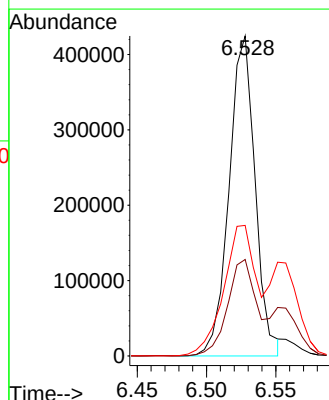
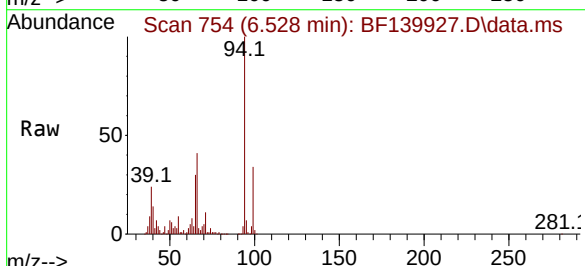
Tgt Ion: 94 Resp: 555529

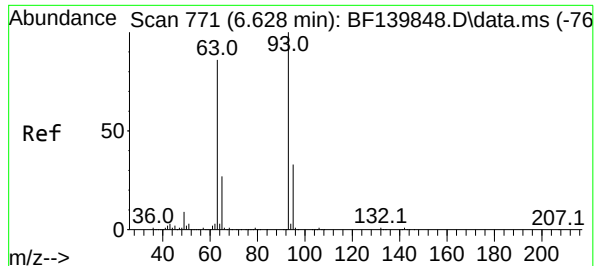
Ion Ratio Lower Upper

94 100

65 30.2 11.1 51.1

66 40.8 22.7 62.7





#11

bis(2-Chloroethyl)ether

Concen: 38.587 ng

RT: 6.628 min Scan# 771

Delta R.T. 0.000 min

Lab File: BF139927.D

Acq: 22 Oct 2024 14:28

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 93 Resp: 431014

Ion Ratio Lower Upper

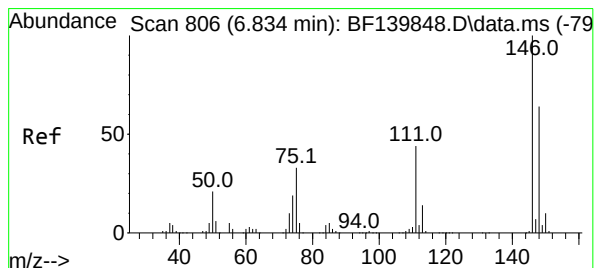
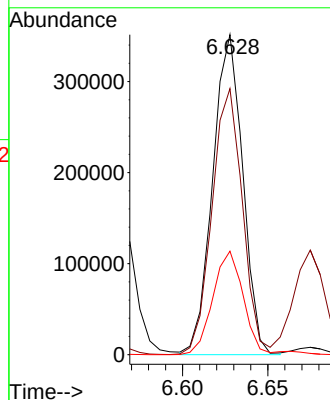
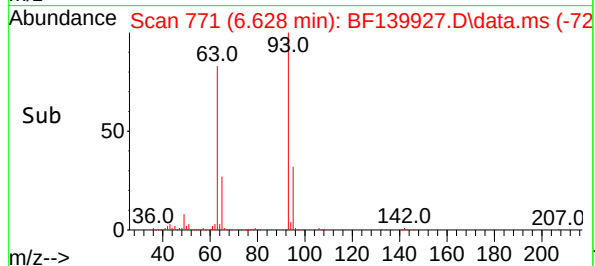
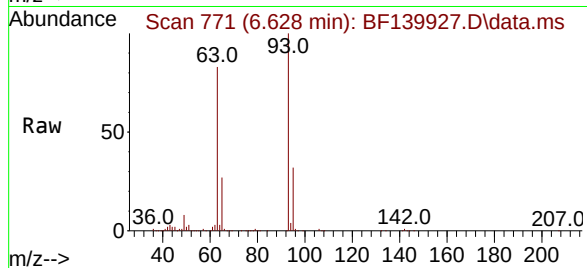
93 100

63 83.2 65.0 105.0

95 32.4 12.4 52.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

#12

1,3-Dichlorobenzene

Concen: 39.244 ng

RT: 6.834 min Scan# 806

Delta R.T. 0.000 min

Lab File: BF139927.D

Acq: 22 Oct 2024 14:28

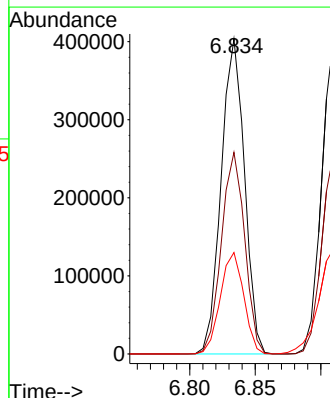
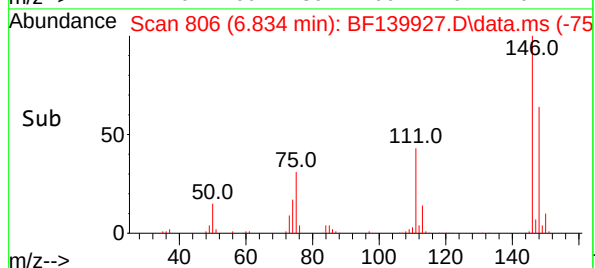
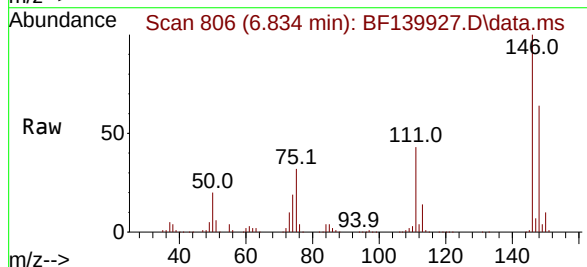
Tgt Ion:146 Resp: 498447

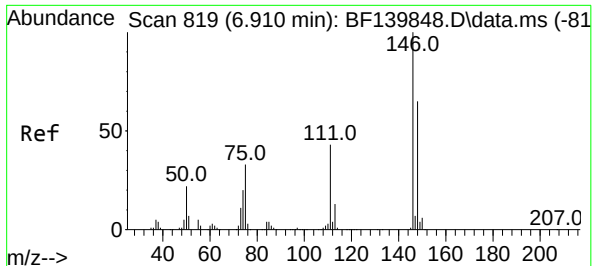
Ion Ratio Lower Upper

146 100

148 64.0 51.0 76.4

75 32.2 26.4 39.6





#13

1,4-Dichlorobenzene

Concen: 39.446 ng

RT: 6.910 min Scan# 819

Delta R.T. 0.000 min

Lab File: BF139927.D

Acq: 22 Oct 2024 14:28

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:146 Resp: 50053

Ion Ratio Lower Upper

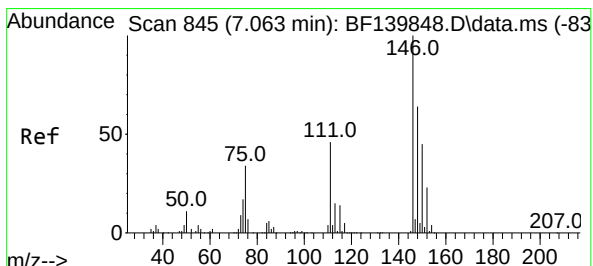
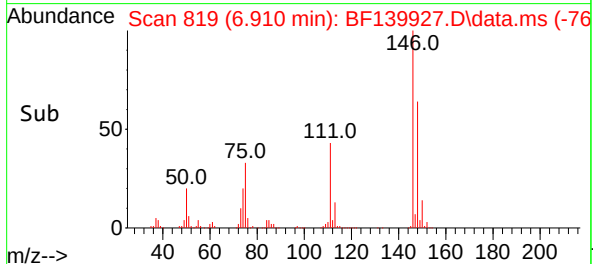
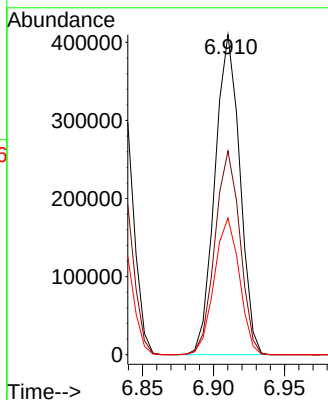
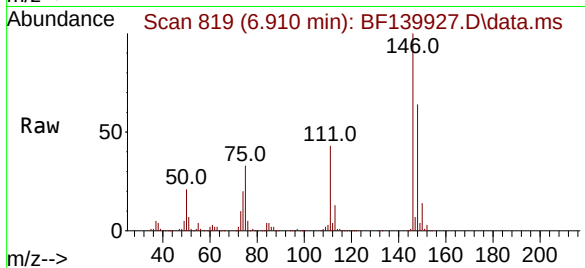
146 100

148 63.7 51.8 77.8

111 42.7 34.6 51.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

#14

1,2-Dichlorobenzene

Concen: 39.329 ng

RT: 7.063 min Scan# 845

Delta R.T. 0.000 min

Lab File: BF139927.D

Acq: 22 Oct 2024 14:28

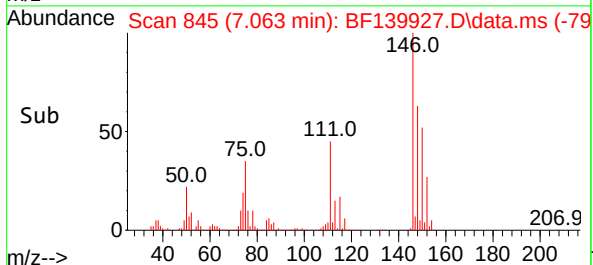
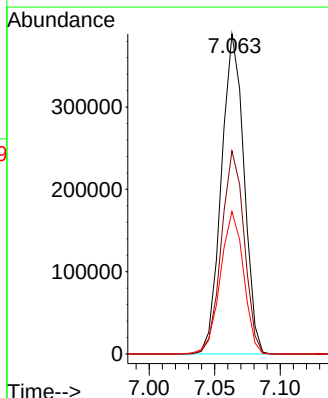
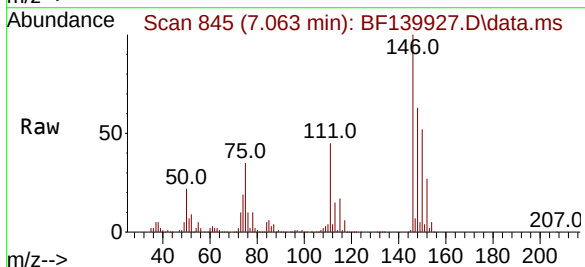
Tgt Ion:146 Resp: 465761

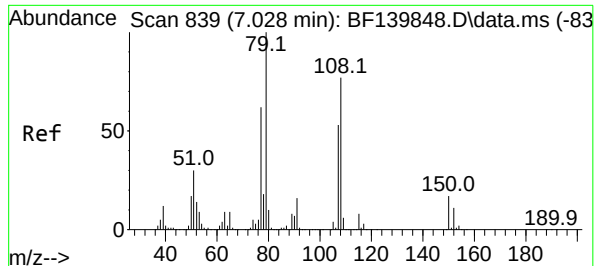
Ion Ratio Lower Upper

146 100

148 63.4 51.4 77.2

111 44.6 36.7 55.1





#15

Benzyl Alcohol

Concen: 38.272 ng

RT: 7.028 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF139927.D

Acq: 22 Oct 2024 14:28

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 79 Resp: 39353

Ion Ratio Lower Upper

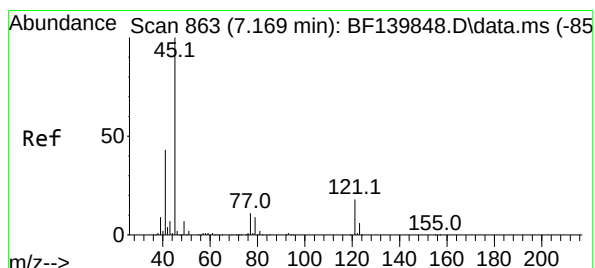
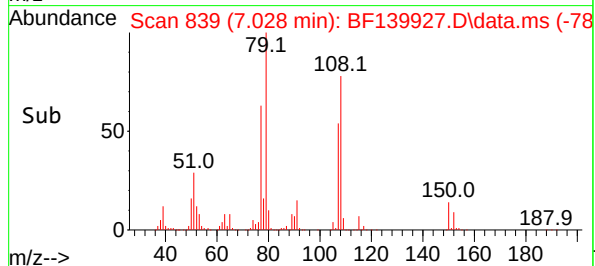
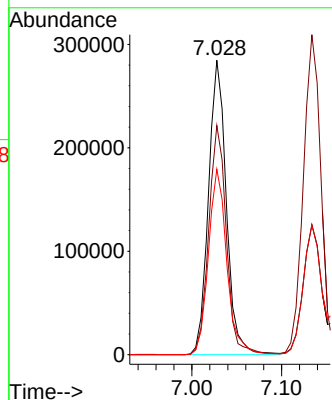
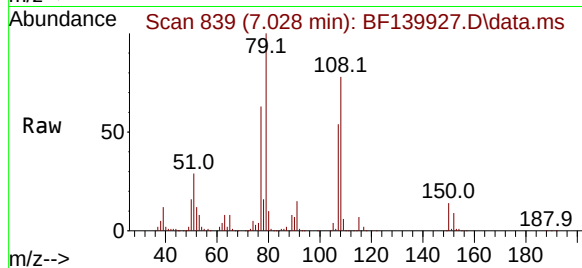
79 100

108 77.8 61.4 92.0

77 63.0 49.9 74.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

#16

2,2'-oxybis(1-Chloropropane)

Concen: 37.186 ng

RT: 7.163 min Scan# 862

Delta R.T. -0.006 min

Lab File: BF139927.D

Acq: 22 Oct 2024 14:28

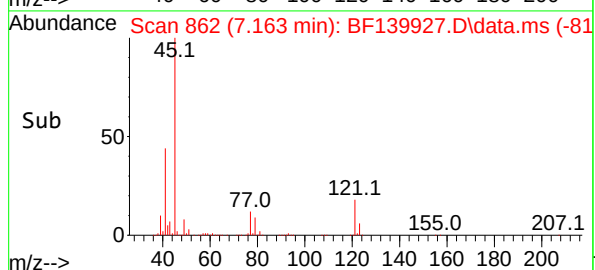
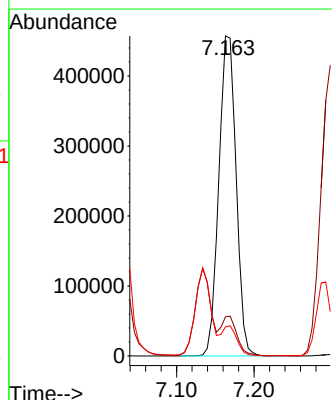
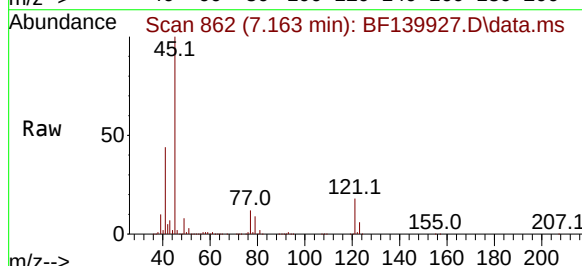
Tgt Ion: 45 Resp: 708262

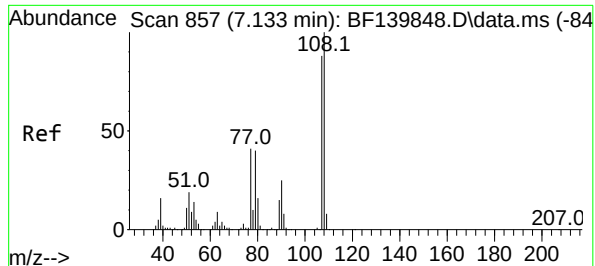
Ion Ratio Lower Upper

45 100

77 12.2 0.0 31.5

79 9.1 0.0 29.1





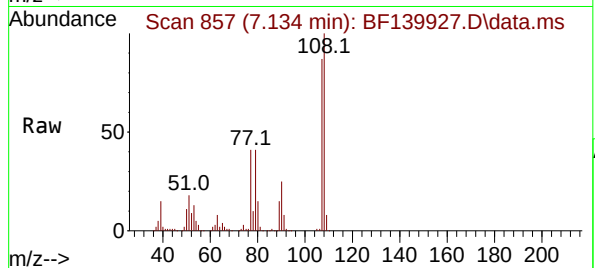
#17
2-Methylphenol
Concen: 38.414 ng
RT: 7.134 min Scan# 857
Delta R.T. 0.000 min
Lab File: BF139927.D
Acq: 22 Oct 2024 14:28

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

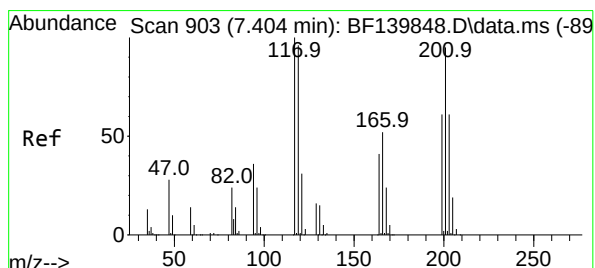
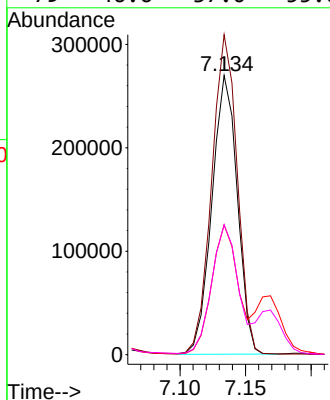
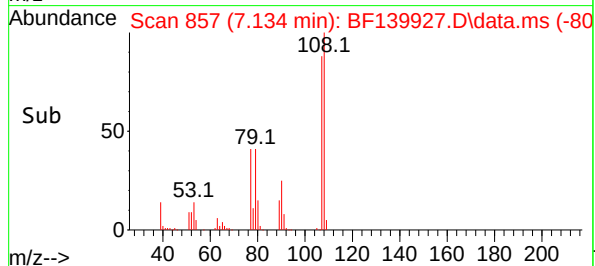


Tgt Ion:107 Resp: 362428
Ion Ratio Lower Upper
107 100
108 114.6 91.3 136.9
77 46.5 37.1 55.7
79 46.6 37.0 55.6

Manual Integrations

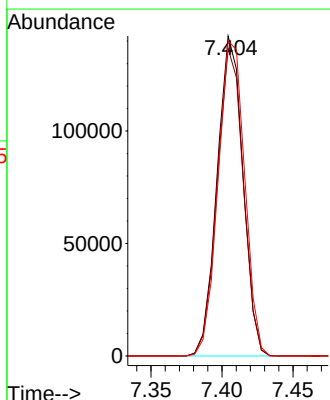
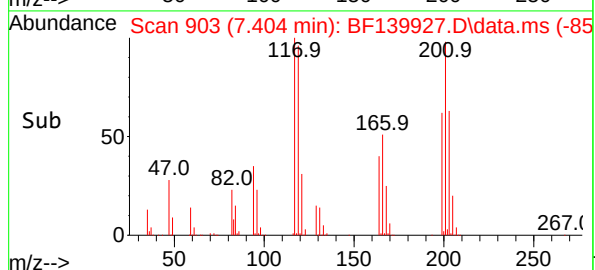
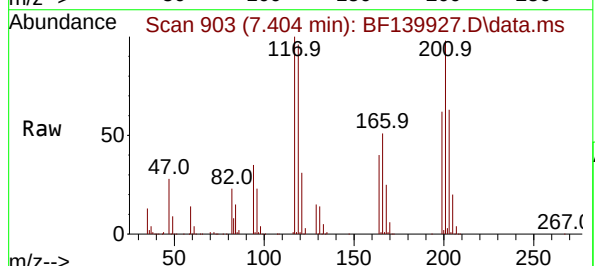
APPROVED

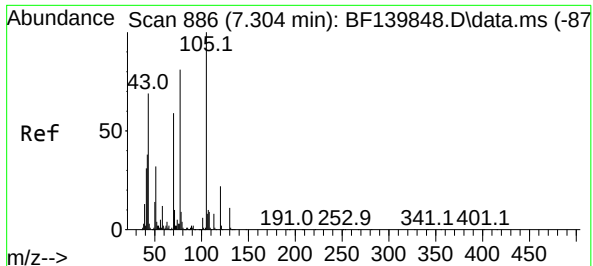
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#18
Hexachloroethane
Concen: 39.774 ng
RT: 7.404 min Scan# 903
Delta R.T. 0.000 min
Lab File: BF139927.D
Acq: 22 Oct 2024 14:28

Tgt Ion:117 Resp: 179977
Ion Ratio Lower Upper
117 100
119 96.0 77.0 115.4
201 98.5 76.2 114.4





#19

n-Nitroso-di-n-propylamine

Concen: 37.211 ng

RT: 7.304 min Scan# 886

Delta R.T. 0.000 min

Lab File: BF139927.D

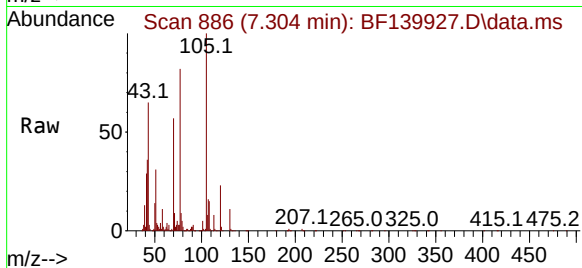
Acq: 22 Oct 2024 14:28

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion: 70 Resp: 31635

Ion Ratio Lower Upper

70 100

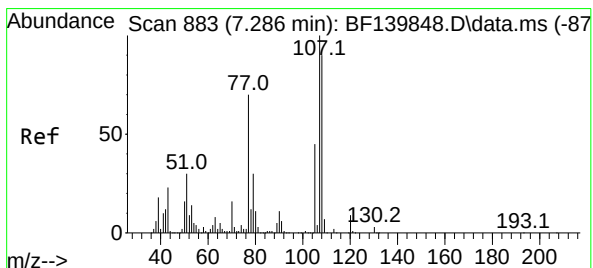
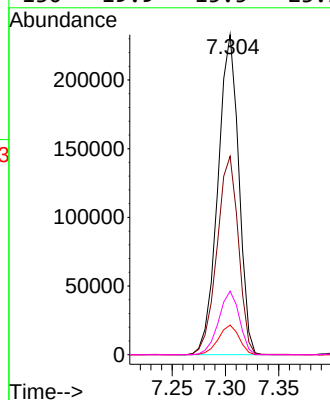
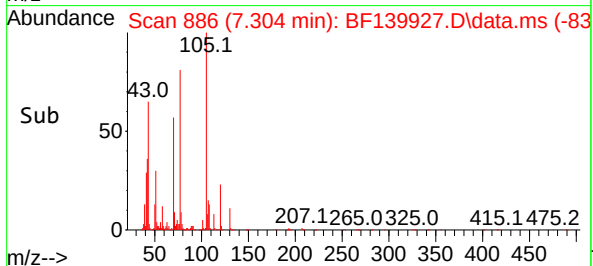
42 62.0 51.5 77.3

101 9.3 7.5 11.3

130 19.9 15.5 23.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

#20

3+4-Methylphenols

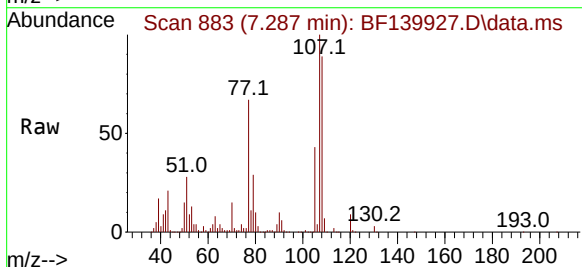
Concen: 38.378 ng

RT: 7.287 min Scan# 883

Delta R.T. 0.000 min

Lab File: BF139927.D

Acq: 22 Oct 2024 14:28



Tgt Ion:107 Resp: 463128

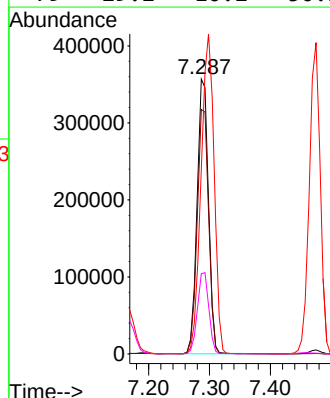
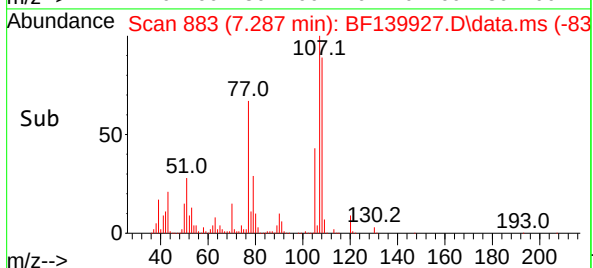
Ion Ratio Lower Upper

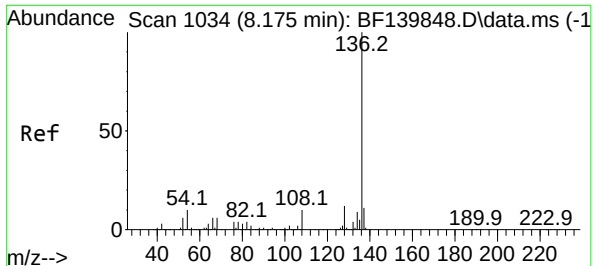
107 100

108 88.9 69.8 109.8

77 67.4 50.5 90.5

79 29.2 10.2 50.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.175 min Scan# 1034

Delta R.T. 0.000 min

Lab File: BF139927.D

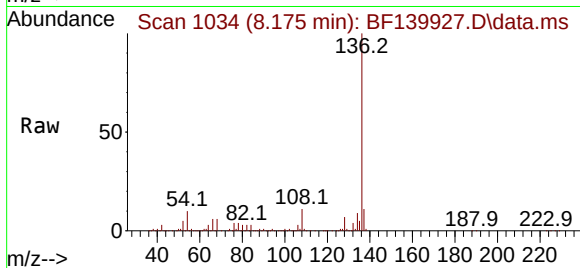
Acq: 22 Oct 2024 14:28

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:136 Resp: 62886

Ion Ratio Lower Upper

136 100

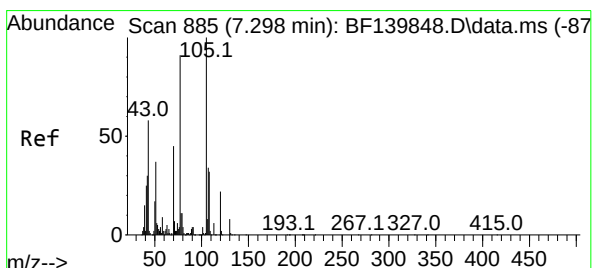
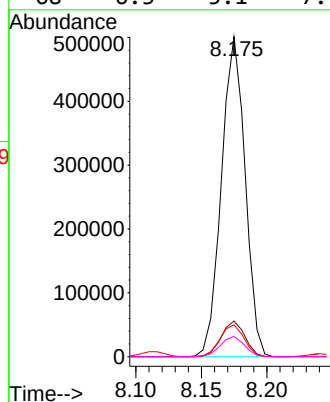
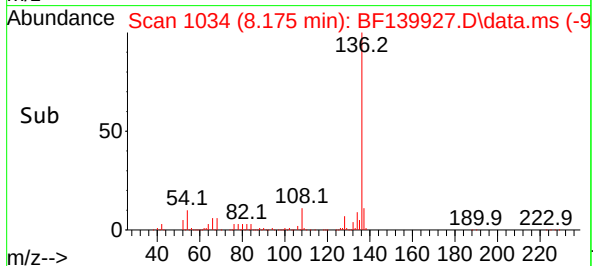
137 11.2 8.6 12.8

54 10.0 8.4 12.6

68 6.3 5.1 7.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

#22

Acetophenone

Concen: 38.675 ng

RT: 7.298 min Scan# 885

Delta R.T. 0.000 min

Lab File: BF139927.D

Acq: 22 Oct 2024 14:28

Tgt Ion:105 Resp: 595699

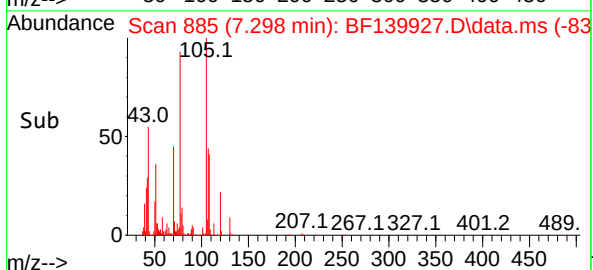
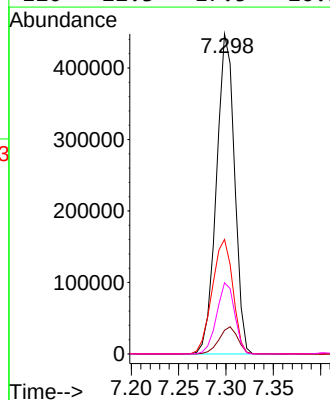
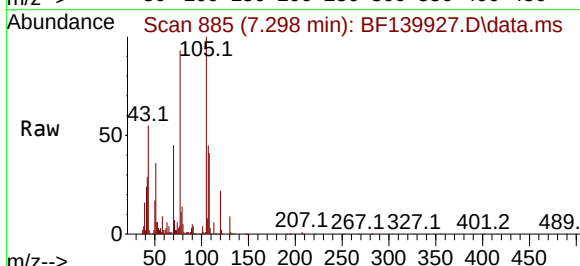
Ion Ratio Lower Upper

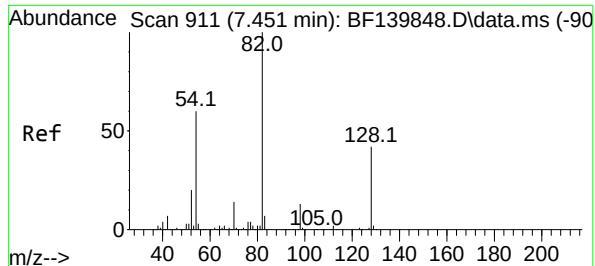
105 100

71 7.4 5.9 8.9

51 35.8 29.4 44.2

120 22.3 17.5 26.3





#23

Nitrobenzene-d5

Concen: 83.526 ng

RT: 7.451 min Scan# 911

Delta R.T. 0.000 min

Lab File: BF139927.D

Acq: 22 Oct 2024 14:28

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 82 Resp: 947718

Ion Ratio Lower Upper

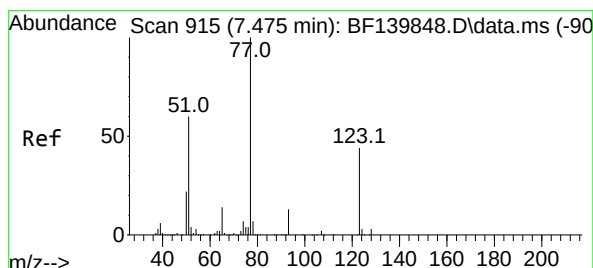
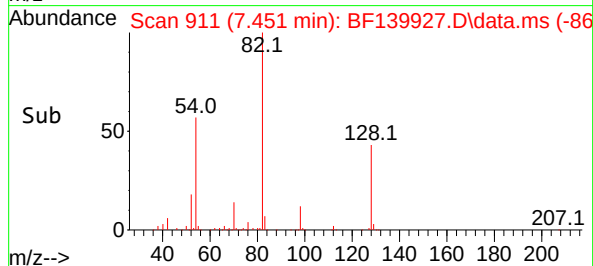
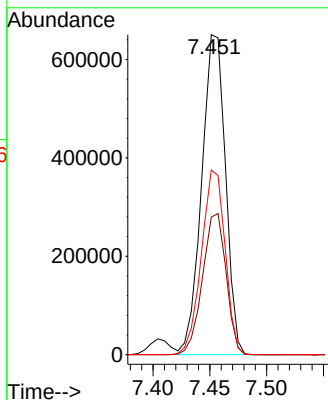
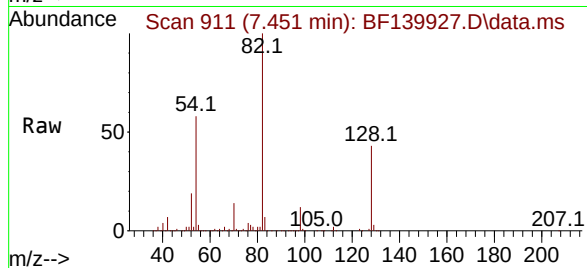
82 100

128 43.0 33.4 50.0

54 57.7 47.8 71.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

#24

Nitrobenzene

Concen: 40.589 ng

RT: 7.475 min Scan# 915

Delta R.T. 0.000 min

Lab File: BF139927.D

Acq: 22 Oct 2024 14:28

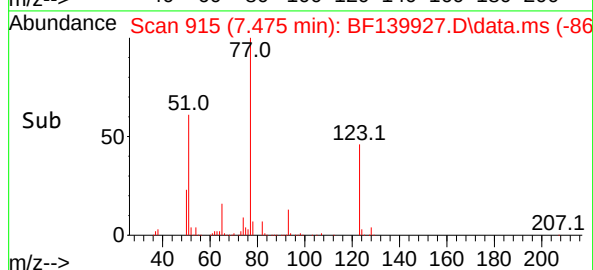
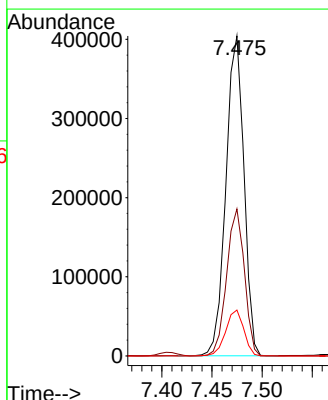
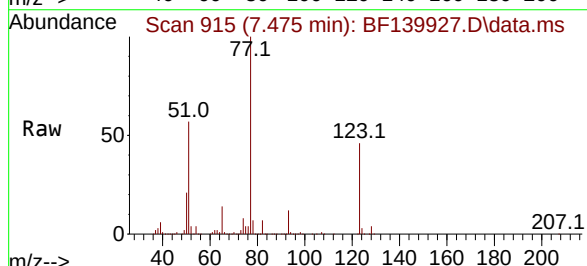
Tgt Ion: 77 Resp: 504935

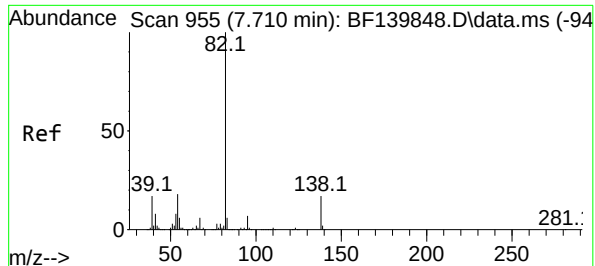
Ion Ratio Lower Upper

77 100

123 45.9 35.7 53.5

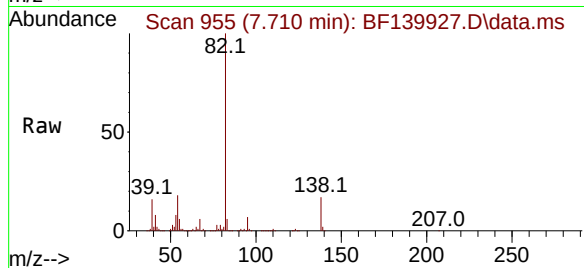
65 14.4 11.5 17.3





#25
Isophorone
Concen: 38.416 ng
RT: 7.710 min Scan# 955
Delta R.T. 0.000 min
Lab File: BF139927.D
Acq: 22 Oct 2024 14:28

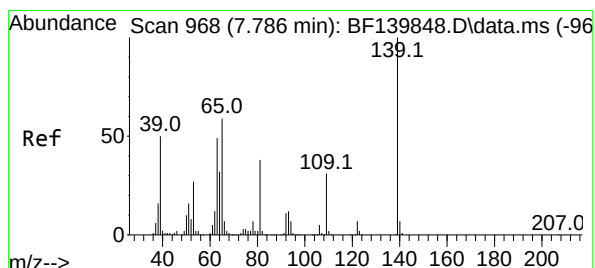
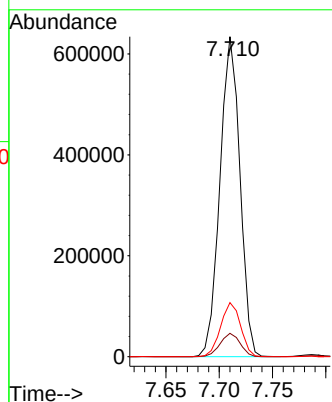
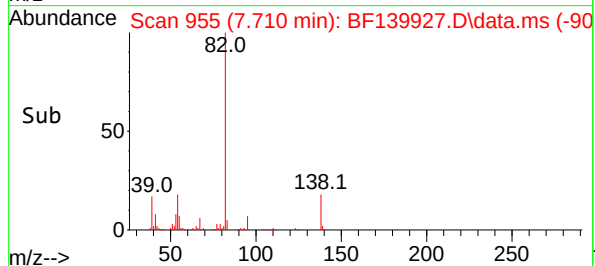
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion: 82 Resp: 82730
Ion Ratio Lower Upper
82 100
95 7.3 5.5 8.3
138 16.9 13.2 19.8

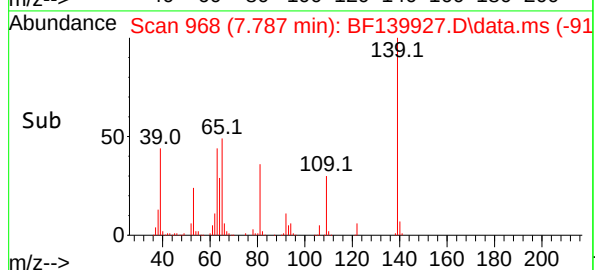
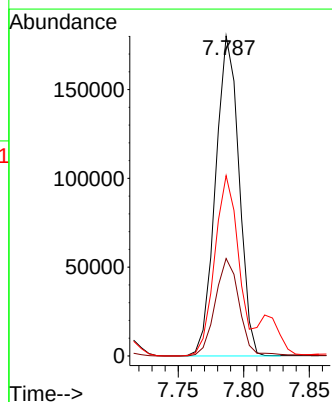
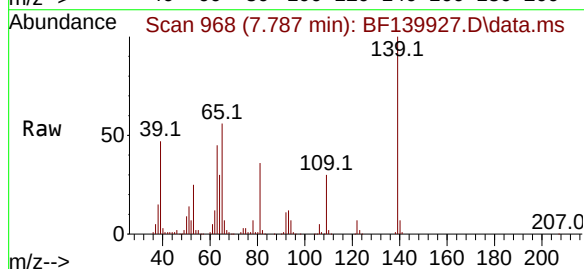
Manual Integrations
APPROVED

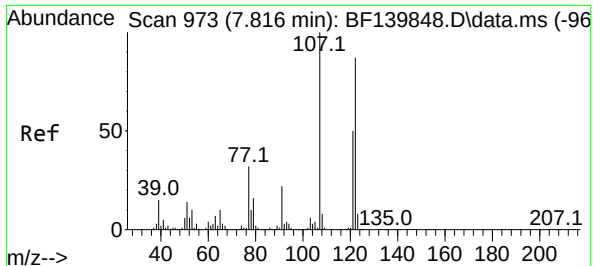
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#26
2-Nitrophenol
Concen: 47.753 ng
RT: 7.787 min Scan# 968
Delta R.T. 0.000 min
Lab File: BF139927.D
Acq: 22 Oct 2024 14:28

Tgt Ion:139 Resp: 224110
Ion Ratio Lower Upper
139 100
109 30.5 25.1 37.7
65 56.3 47.5 71.3





#27

2,4-Dimethylphenol

Concen: 38.979 ng

RT: 7.816 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF139927.D

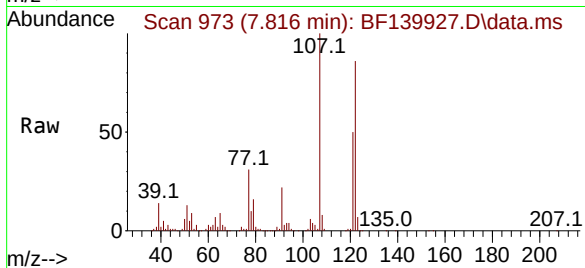
Acq: 22 Oct 2024 14:28

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:122 Resp: 30503

Ion Ratio Lower Upper

122 100

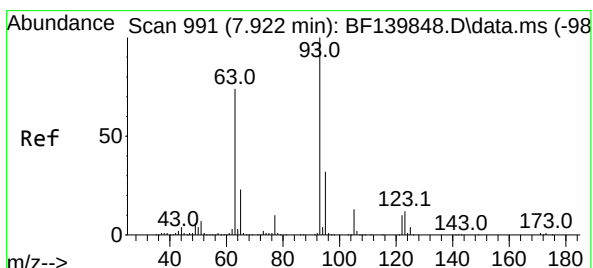
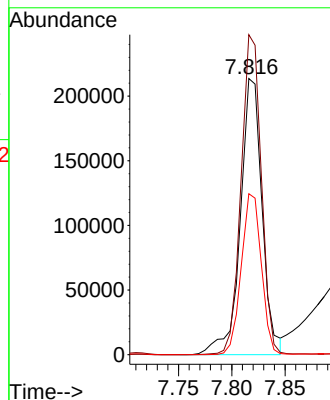
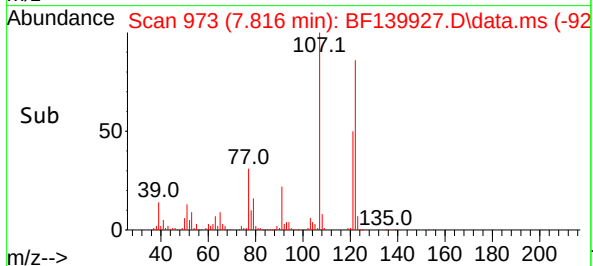
107 115.8 91.9 137.9

121 58.3 46.2 69.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#28

bis(2-Chloroethoxy)methane

Concen: 39.162 ng

RT: 7.922 min Scan# 991

Delta R.T. 0.000 min

Lab File: BF139927.D

Acq: 22 Oct 2024 14:28

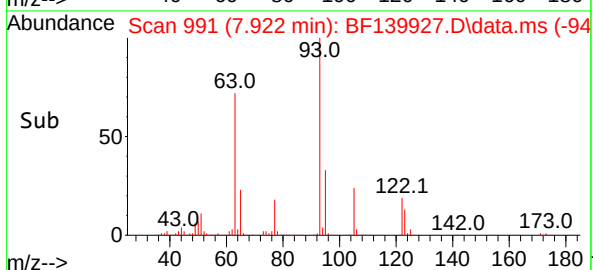
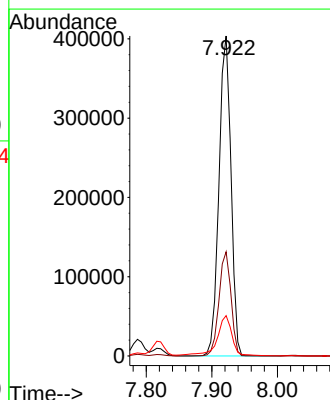
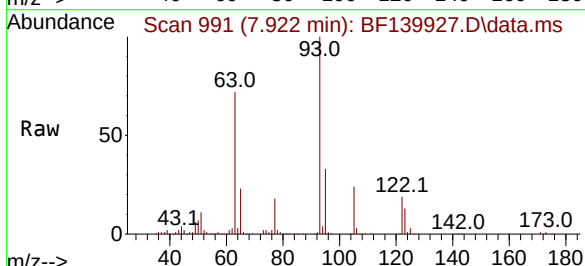
Tgt Ion: 93 Resp: 510973

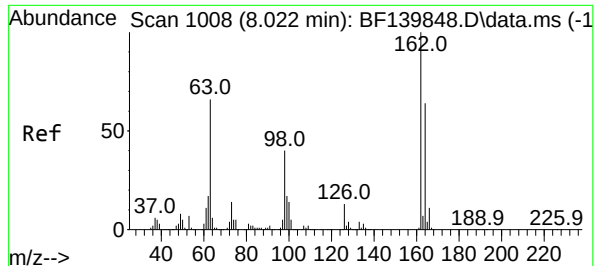
Ion Ratio Lower Upper

93 100

95 32.6 26.0 39.0

123 12.6 9.8 14.8





#29

2,4-Dichlorophenol

Concen: 40.277 ng

RT: 8.028 min Scan# 1008

Delta R.T. 0.006 min

Lab File: BF139927.D

Acq: 22 Oct 2024 14:28

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:162 Resp: 359008

Ion Ratio Lower Upper

162 100

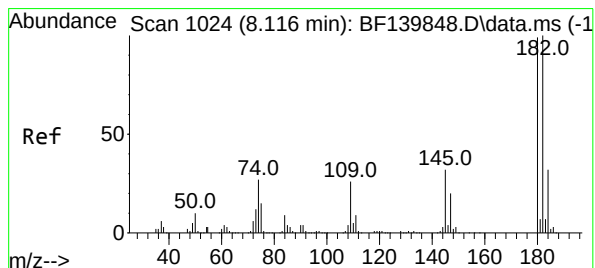
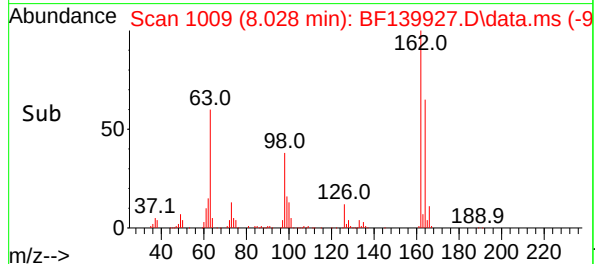
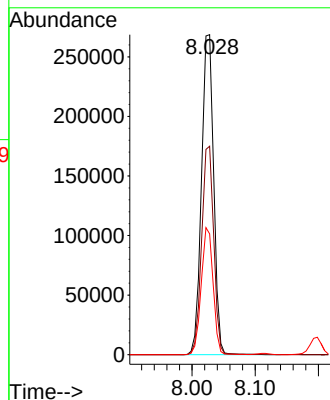
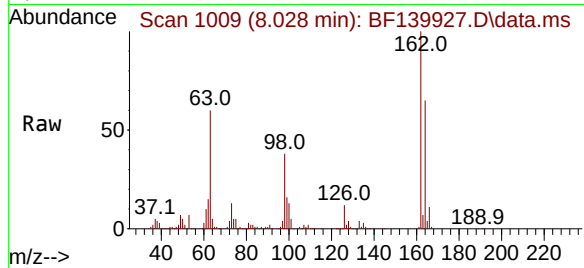
164 65.2 43.9 83.9

98 37.8 19.9 59.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024
 Supervised By :mohammad ahmed 10/24/2024



#30

1,2,4-Trichlorobenzene

Concen: 40.959 ng

RT: 8.116 min Scan# 1024

Delta R.T. 0.000 min

Lab File: BF139927.D

Acq: 22 Oct 2024 14:28

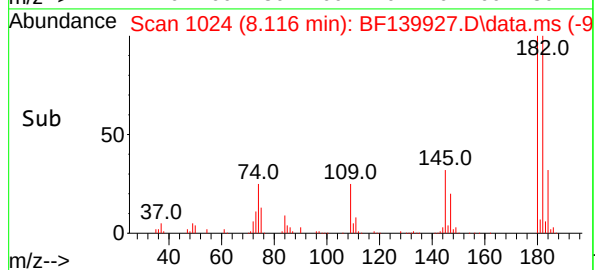
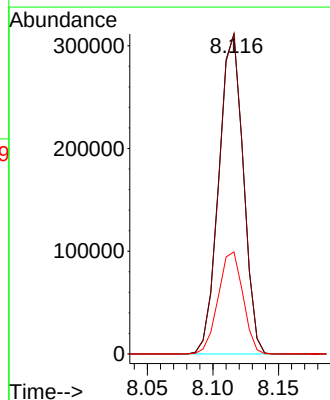
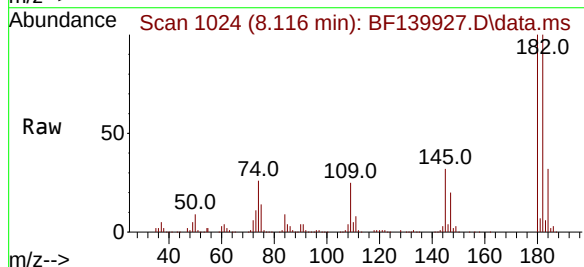
Tgt Ion:180 Resp: 403971

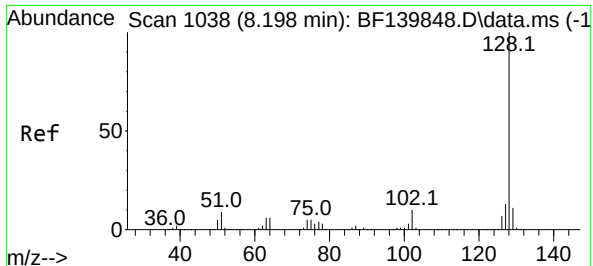
Ion Ratio Lower Upper

180 100

182 100.0 80.5 120.7

145 31.9 25.4 38.0





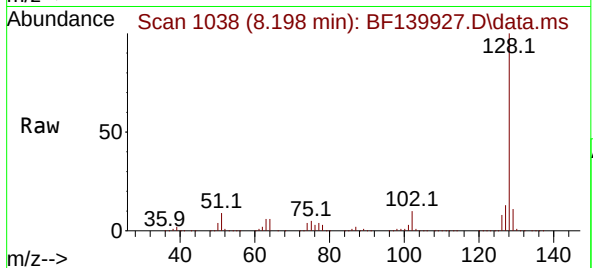
#31
Naphthalene
Concen: 39.428 ng
RT: 8.198 min Scan# 1038
Delta R.T. 0.000 min
Lab File: BF139927.D
Acq: 22 Oct 2024 14:28

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

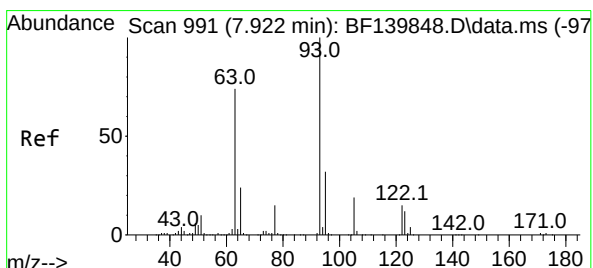
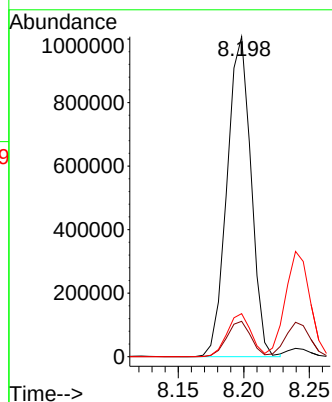
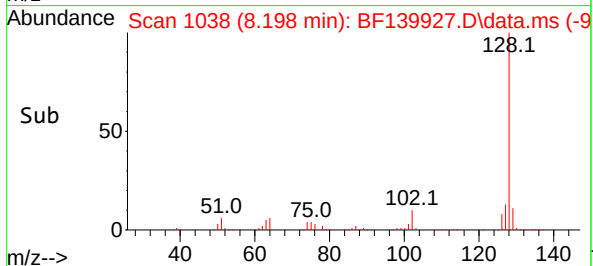


Tgt Ion:128 Resp: 1278754
Ion Ratio Lower Upper
128 100
129 11.1 8.9 13.3
127 13.5 10.6 16.0

Manual Integrations

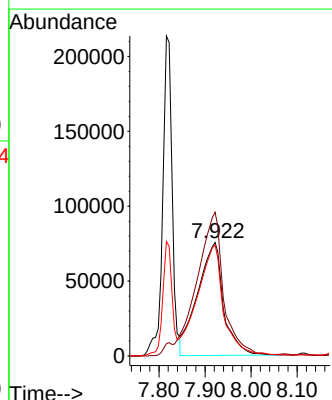
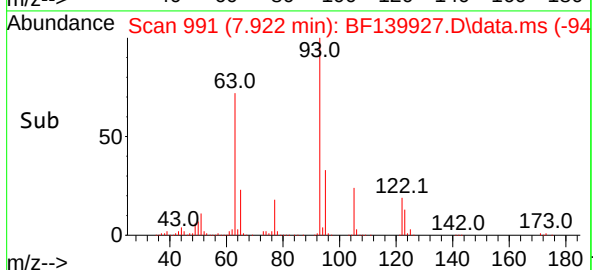
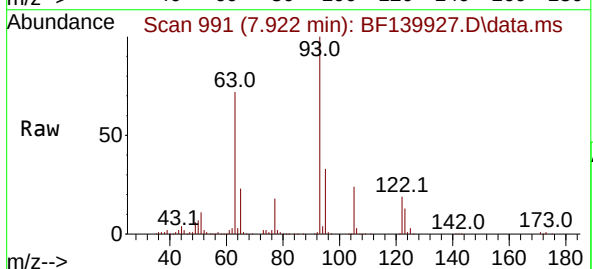
APPROVED

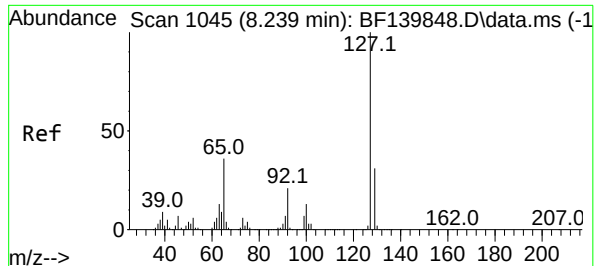
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#32
Benzoic acid
Concen: 43.475 ng
RT: 7.922 min Scan# 991
Delta R.T. -0.000 min
Lab File: BF139927.D
Acq: 22 Oct 2024 14:28

Tgt Ion:122 Resp: 296735
Ion Ratio Lower Upper
122 100
105 126.5 107.6 147.6
77 97.7 80.2 120.2





#33

4-Chloroaniline

Concen: 39.329 ng

RT: 8.239 min Scan# 1045

Delta R.T. 0.000 min

Lab File: BF139927.D

Acq: 22 Oct 2024 14:28

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:127 Resp: 43494

Ion Ratio Lower Upper

127 100

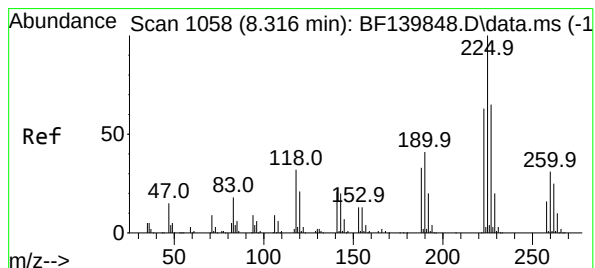
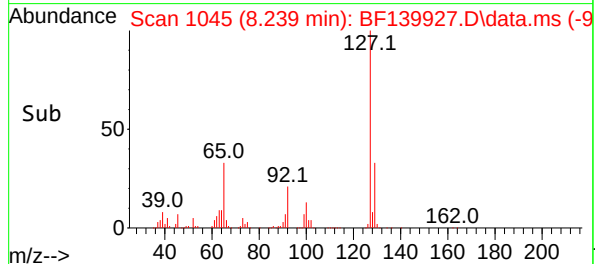
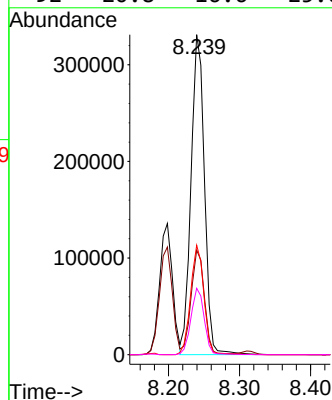
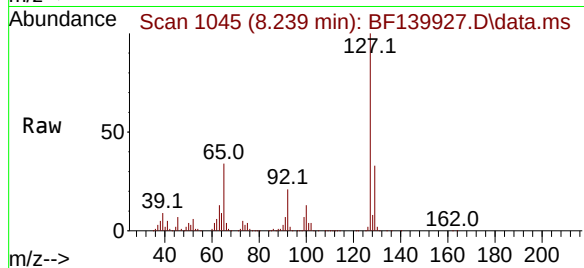
129 32.6 25.4 38.2

65 34.2 28.4 42.6

92 20.8 16.6 25.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

#34

Hexachlorobutadiene

Concen: 41.500 ng

RT: 8.316 min Scan# 1058

Delta R.T. 0.000 min

Lab File: BF139927.D

Acq: 22 Oct 2024 14:28

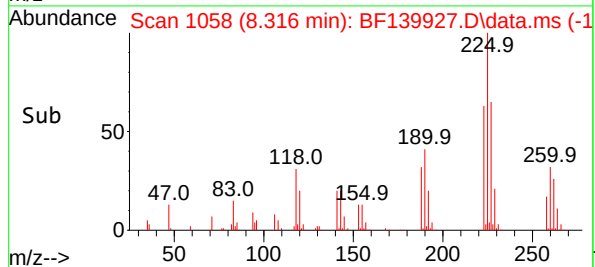
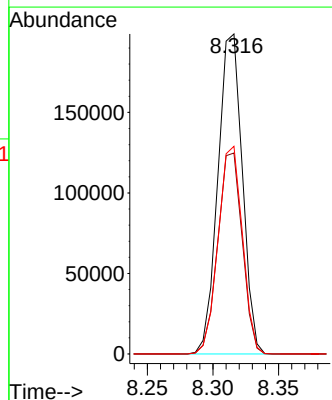
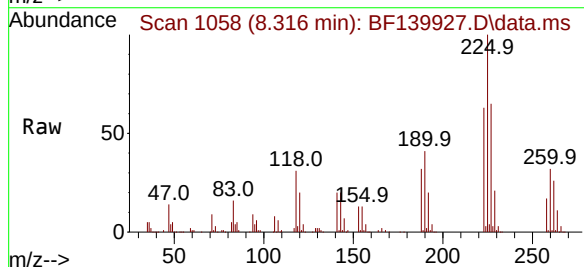
Tgt Ion:225 Resp: 257175

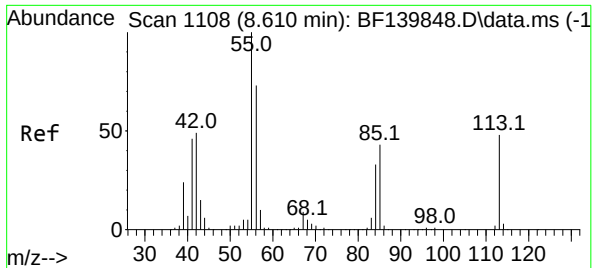
Ion Ratio Lower Upper

225 100

223 62.8 50.6 76.0

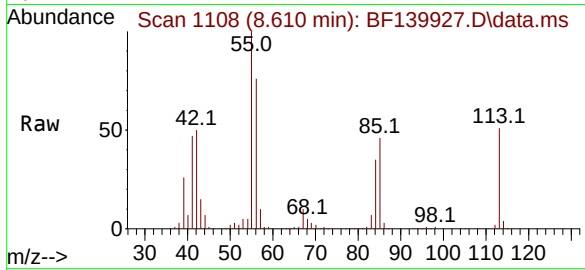
227 64.9 51.8 77.8





#35
Caprolactam
Concen: 38.027 ng
RT: 8.610 min Scan# 1108
Delta R.T. 0.000 min
Lab File: BF139927.D
Acq: 22 Oct 2024 14:28

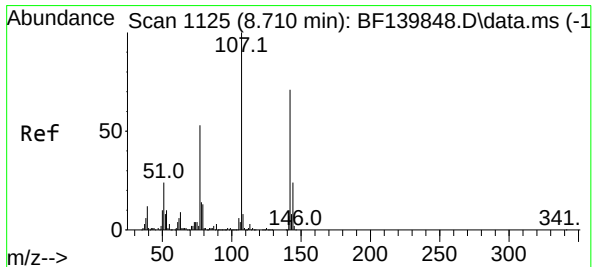
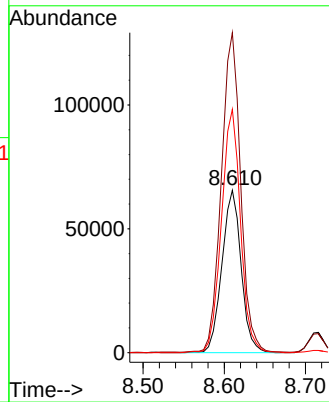
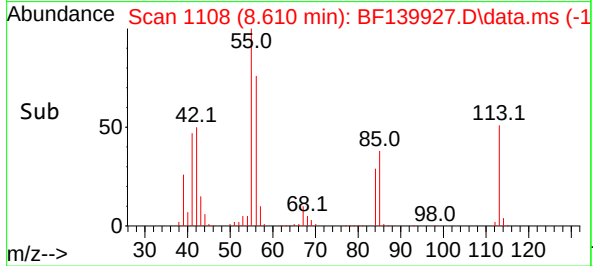
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



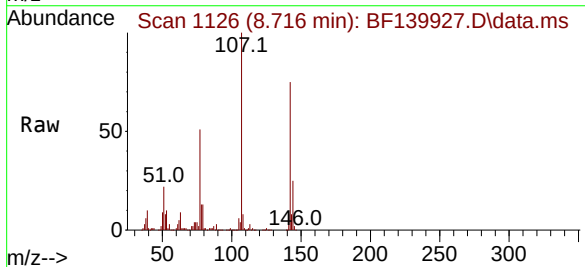
Tgt Ion:113 Resp: 107774
Ion Ratio Lower Upper
113 100
55 197.0 189.2 229.2
56 149.9 132.5 172.5

Manual Integrations
APPROVED

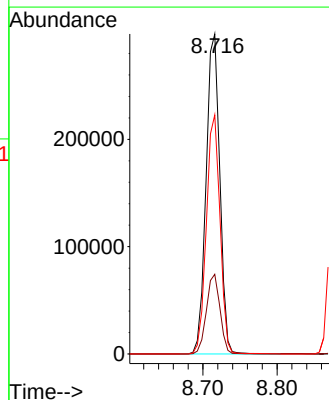
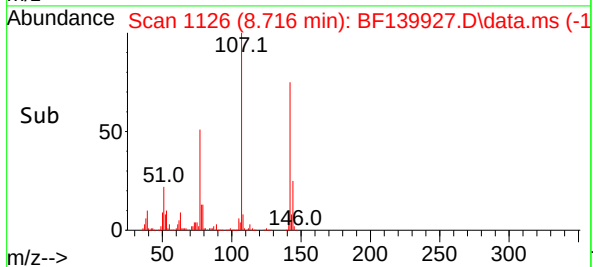
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

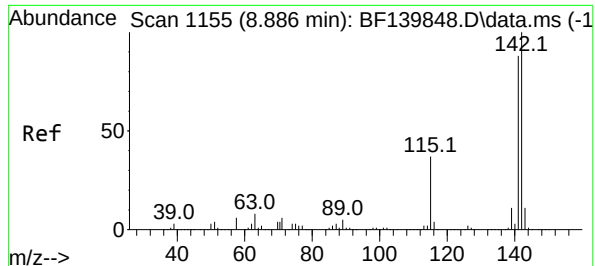


#36
4-Chloro-3-methylphenol
Concen: 39.024 ng
RT: 8.716 min Scan# 1126
Delta R.T. 0.006 min
Lab File: BF139927.D
Acq: 22 Oct 2024 14:28



Tgt Ion:107 Resp: 385163
Ion Ratio Lower Upper
107 100
144 24.9 19.1 28.7
142 74.7 57.2 85.8





#37
2-Methylnaphthalene
Concen: 39.573 ng
RT: 8.886 min Scan# 1155
Delta R.T. 0.000 min
Lab File: BF139927.D
Acq: 22 Oct 2024 14:28

Instrument :

BNA_F

ClientSampleId :

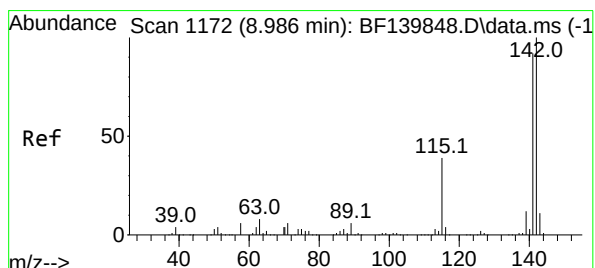
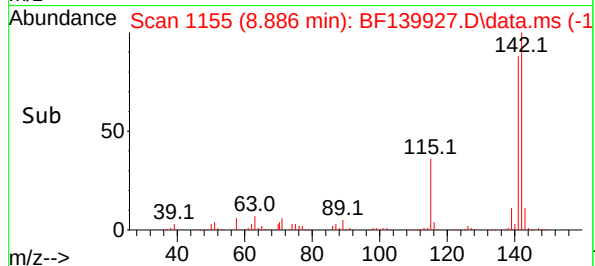
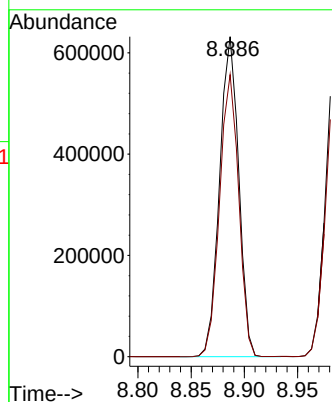
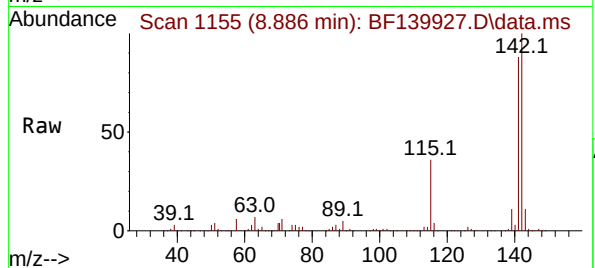
SSTDCCC040

Tgt Ion:142 Resp: 786050
Ion Ratio Lower Upper
142 100
141 88.2 70.8 106.2

Manual Integrations

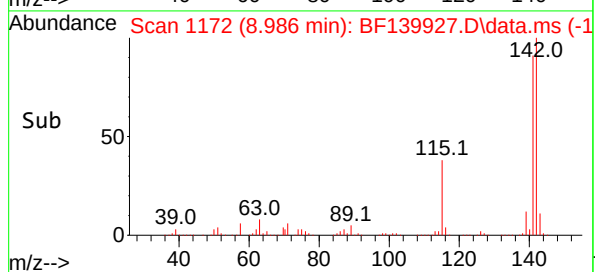
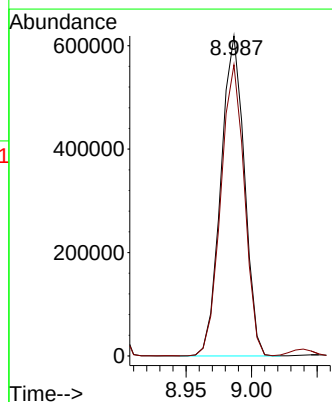
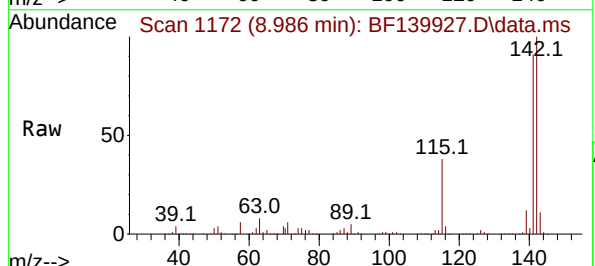
APPROVED

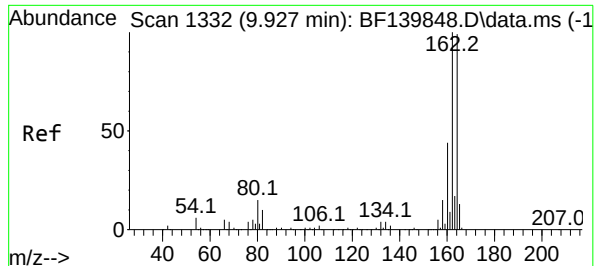
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#38
1-Methylnaphthalene
Concen: 39.548 ng
RT: 8.986 min Scan# 1172
Delta R.T. 0.000 min
Lab File: BF139927.D
Acq: 22 Oct 2024 14:28

Tgt Ion:142 Resp: 770716
Ion Ratio Lower Upper
142 100
141 91.0 73.5 110.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 1183

Delta R.T. 0.001 min

Lab File: BF139927.D

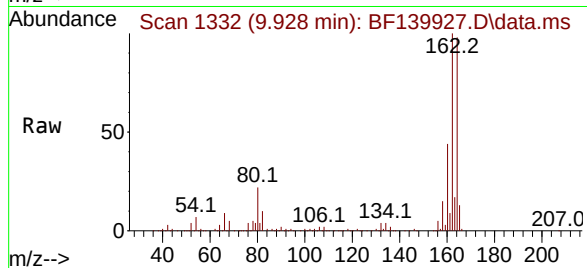
Acq: 22 Oct 2024 14:28

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:164 Resp: 34087

Ion Ratio Lower Upper

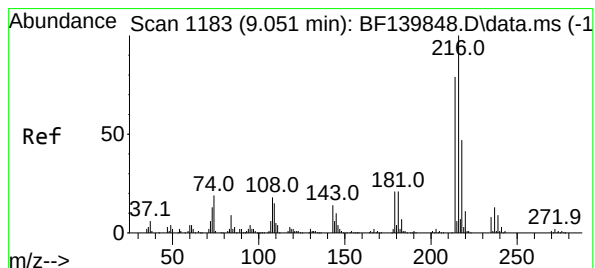
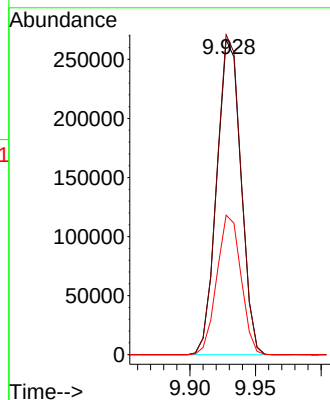
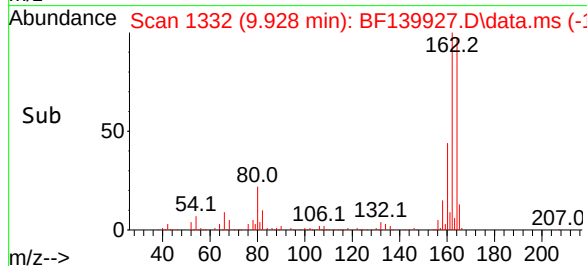
164 100

162 101.6 81.0 121.4

160 44.3 35.4 53.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

#40

1,2,4,5-Tetrachlorobenzene

Concen: 41.324 ng

RT: 9.051 min Scan# 1183

Delta R.T. 0.000 min

Lab File: BF139927.D

Acq: 22 Oct 2024 14:28

Tgt Ion:216 Resp: 380030

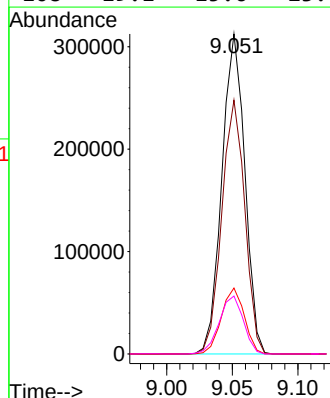
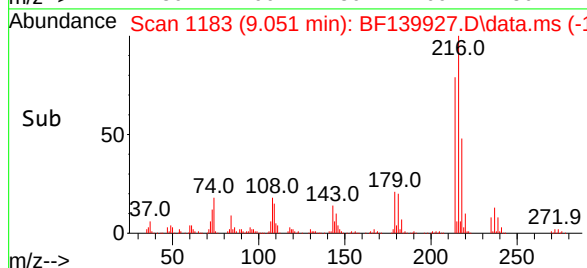
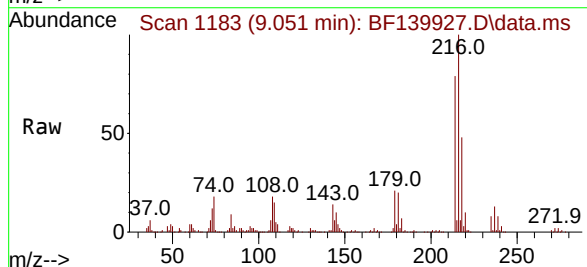
Ion Ratio Lower Upper

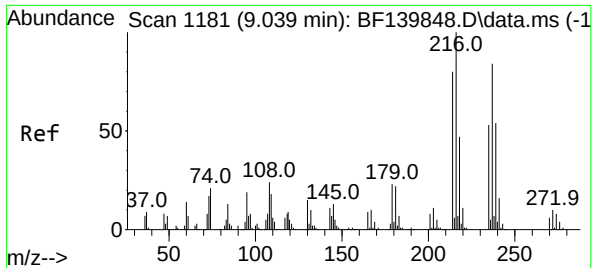
216 100

214 79.3 63.4 95.0

179 20.6 17.2 25.8

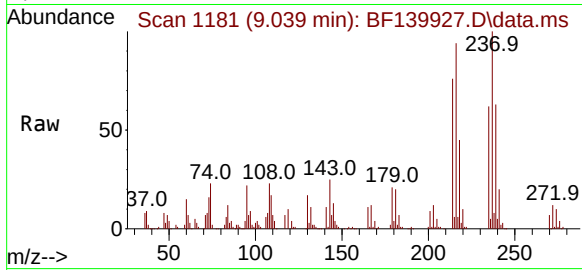
108 19.1 15.6 23.4





#41
Hexachlorocyclopentadiene
Concen: 46.288 ng
RT: 9.039 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BF139927.D
Acq: 22 Oct 2024 14:28

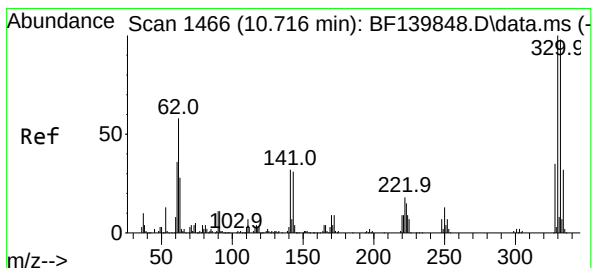
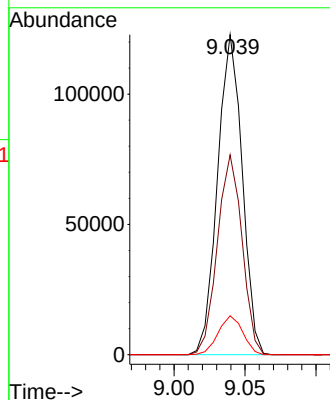
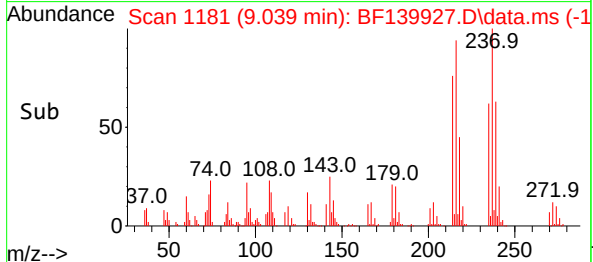
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



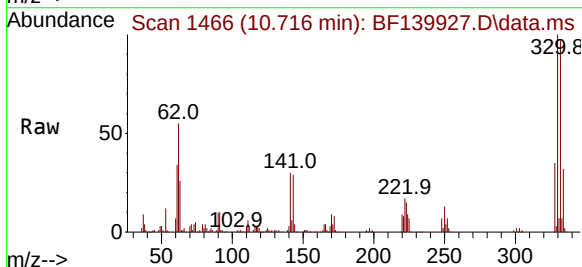
Tgt Ion:237 Resp: 148115
Ion Ratio Lower Upper
237 100
235 62.4 42.9 82.9
272 12.1 0.0 32.3

Manual Integrations
APPROVED

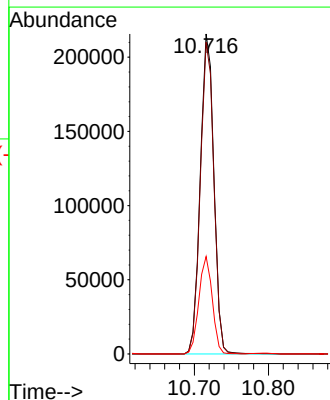
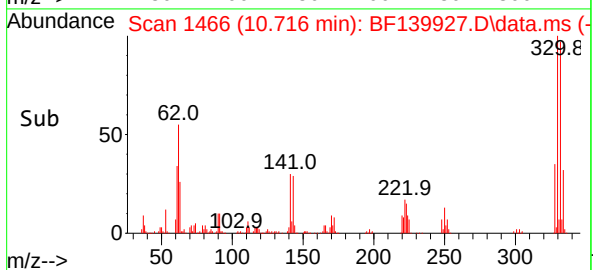
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

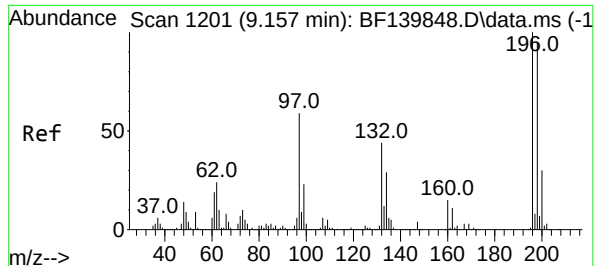


#42
2,4,6-Tribromophenol
Concen: 86.022 ng
RT: 10.716 min Scan# 1466
Delta R.T. 0.000 min
Lab File: BF139927.D
Acq: 22 Oct 2024 14:28



Tgt Ion:330 Resp: 274276
Ion Ratio Lower Upper
330 100
332 97.3 78.1 117.1
141 30.0 26.6 39.8





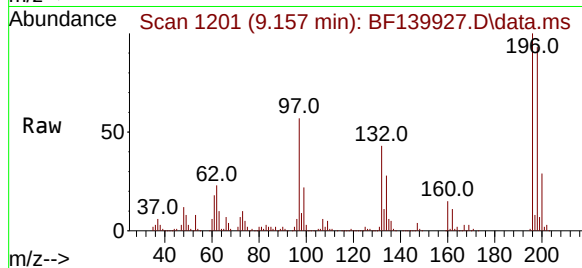
#43
2,4,6-Trichlorophenol
Concen: 41.430 ng
RT: 9.157 min Scan# 1201
Delta R.T. 0.000 min
Lab File: BF139927.D
Acq: 22 Oct 2024 14:28

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

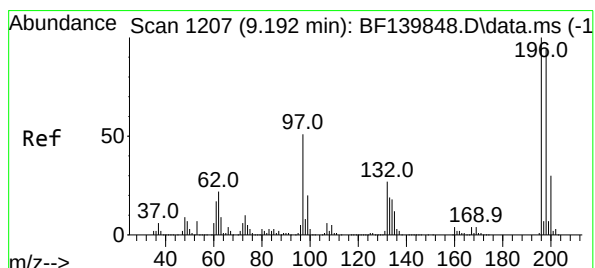
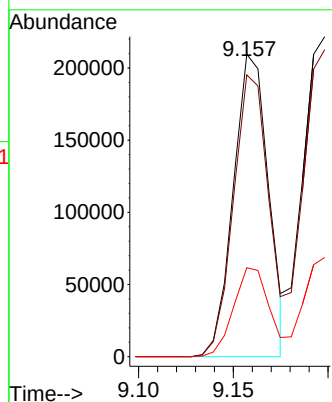
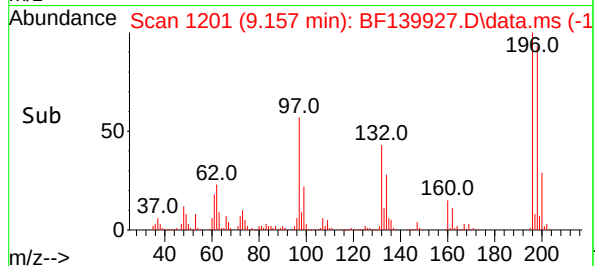


Tgt Ion:196 Resp: 269749
Ion Ratio Lower Upper
196 100
198 93.2 76.2 114.2
200 29.4 24.0 36.0

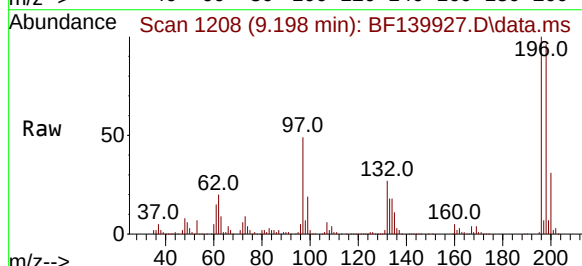
Manual Integrations

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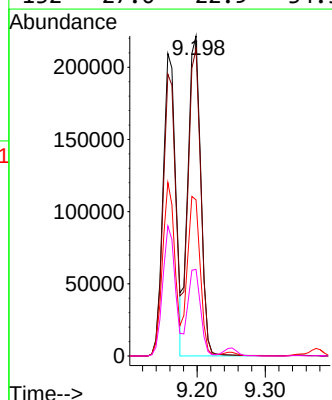
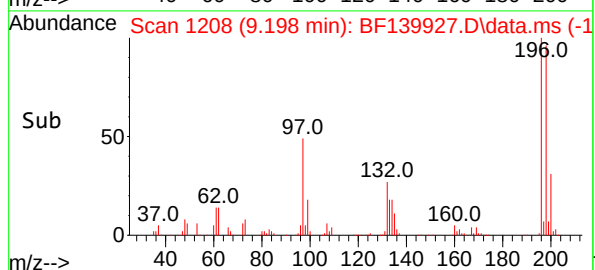
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

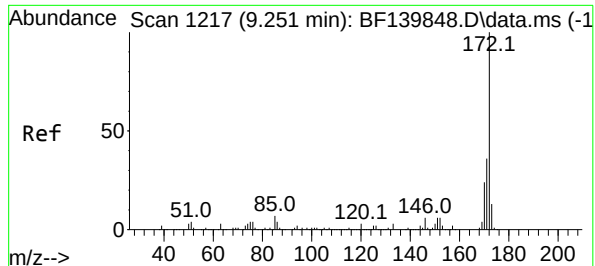


#44
2,4,5-Trichlorophenol
Concen: 42.944 ng
RT: 9.198 min Scan# 1208
Delta R.T. 0.006 min
Lab File: BF139927.D
Acq: 22 Oct 2024 14:28



Tgt Ion:196 Resp: 288478
Ion Ratio Lower Upper
196 100
198 95.9 75.8 113.6
97 48.8 41.8 62.6
132 27.0 22.9 34.3





#45

2-Fluorobiphenyl

Concen: 79.459 ng

RT: 9.251 min Scan# 1217

Delta R.T. 0.000 min

Lab File: BF139927.D

Acq: 22 Oct 2024 14:28

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:172 Resp: 163887

Ion Ratio Lower Upper

172 100

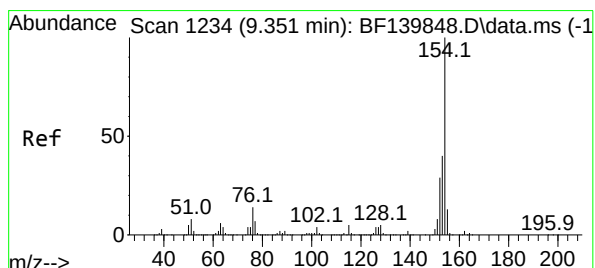
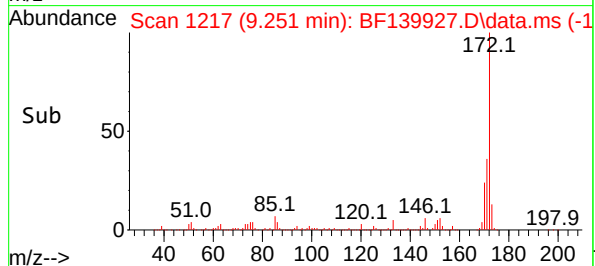
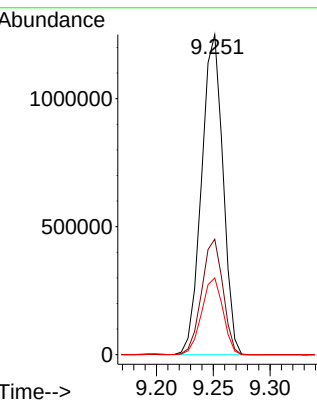
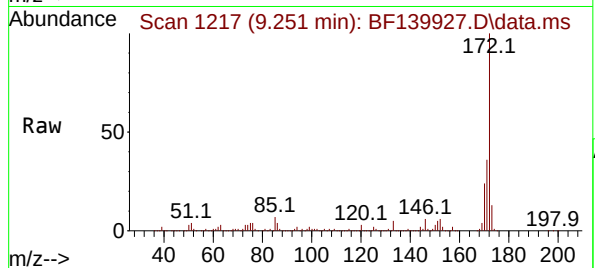
171 36.1 28.6 43.0

170 24.0 19.1 28.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024
 Supervised By :mohammad ahmed 10/24/2024



#46

1,1'-Biphenyl

Concen: 40.548 ng

RT: 9.351 min Scan# 1234

Delta R.T. 0.000 min

Lab File: BF139927.D

Acq: 22 Oct 2024 14:28

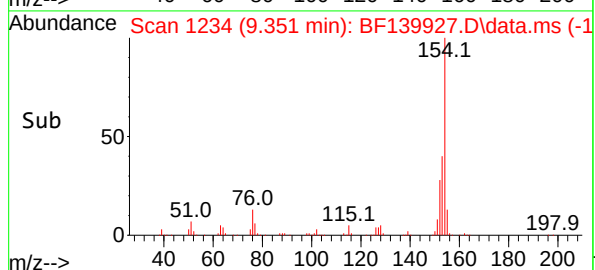
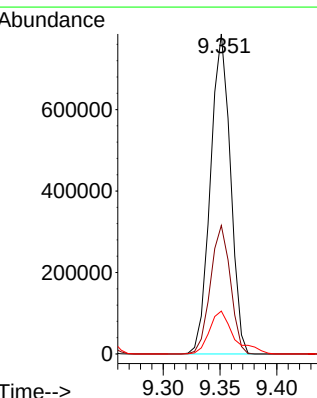
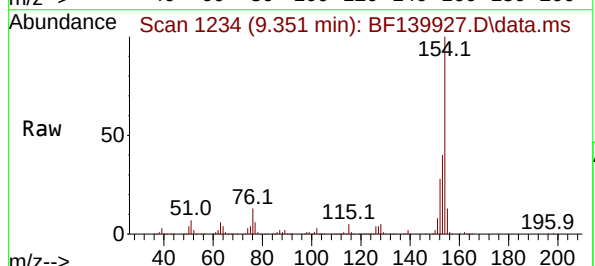
Tgt Ion:154 Resp: 962207

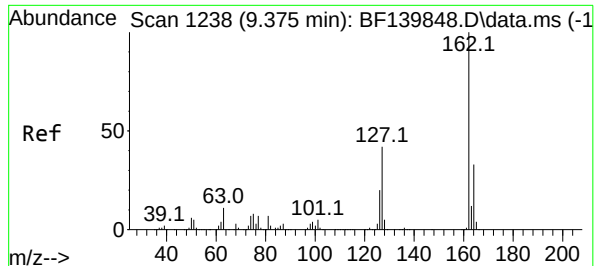
Ion Ratio Lower Upper

154 100

153 40.2 20.3 60.3

76 13.4 0.0 33.9





#47

2-Chloronaphthalene

Concen: 40.664 ng

RT: 9.375 min Scan# 1238

Delta R.T. 0.000 min

Lab File: BF139927.D

Acq: 22 Oct 2024 14:28

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:162 Resp: 77719

Ion Ratio Lower Upper

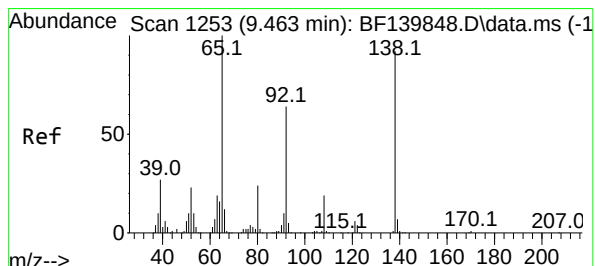
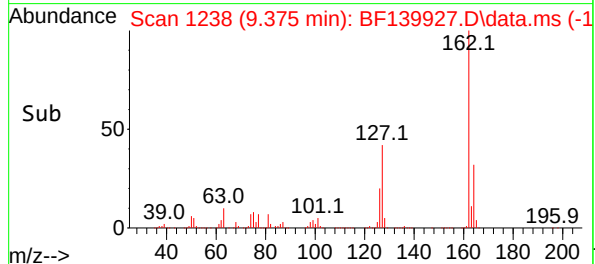
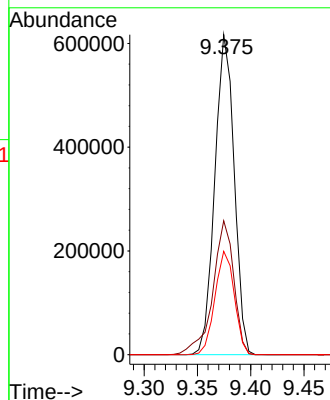
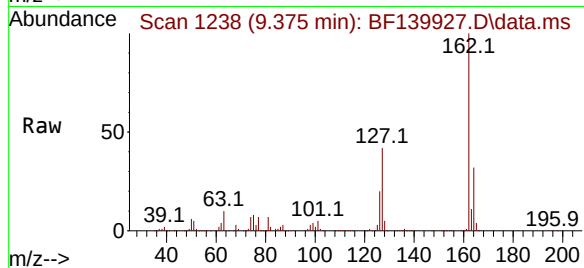
162 100

127 41.8 33.8 50.6

164 32.3 26.6 39.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

#48

2-Nitroaniline

Concen: 42.904 ng

RT: 9.469 min Scan# 1254

Delta R.T. 0.006 min

Lab File: BF139927.D

Acq: 22 Oct 2024 14:28

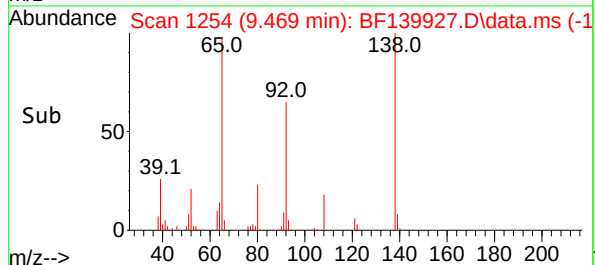
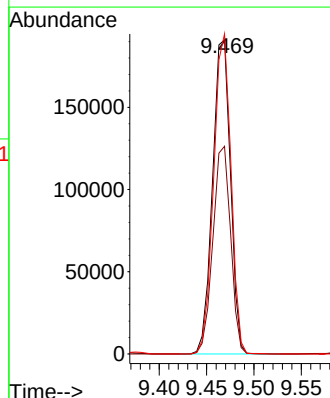
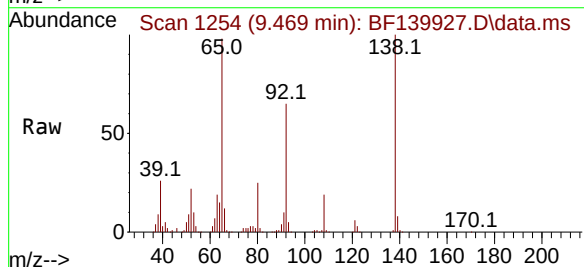
Tgt Ion: 65 Resp: 250791

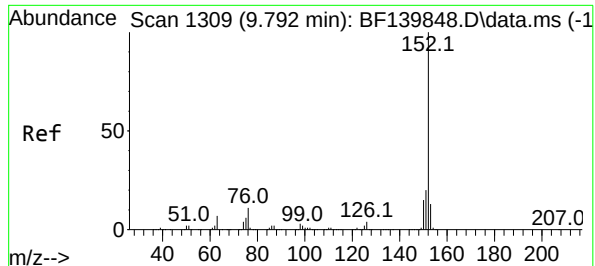
Ion Ratio Lower Upper

65 100

92 66.1 50.9 76.3

138 101.9 73.4 110.0





#49

Acenaphthylene

Concen: 40.142 ng

RT: 9.792 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF139927.D

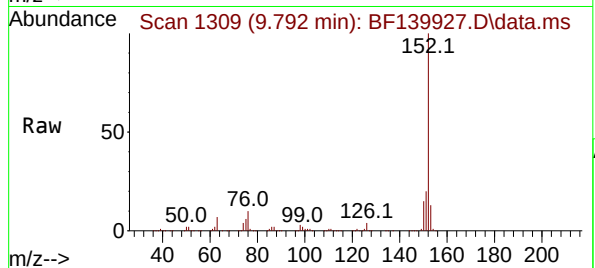
Acq: 22 Oct 2024 14:28

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:152 Resp: 110917

Ion Ratio Lower Upper

152 100

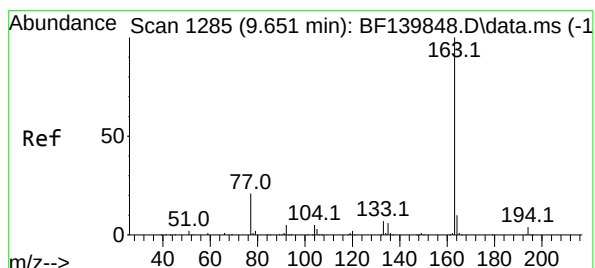
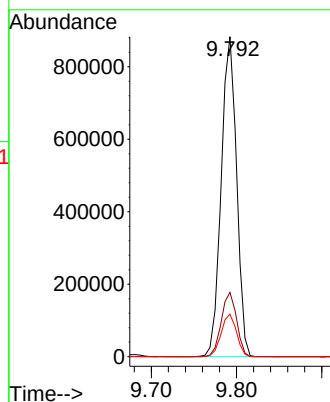
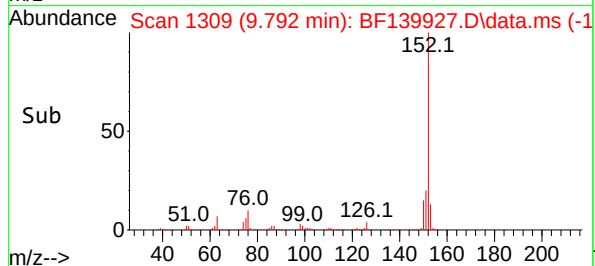
151 20.1 15.9 23.9

153 13.3 10.7 16.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024
 Supervised By :mohammad ahmed 10/24/2024



#50

Dimethylphthalate

Concen: 39.488 ng

RT: 9.651 min Scan# 1285

Delta R.T. 0.000 min

Lab File: BF139927.D

Acq: 22 Oct 2024 14:28

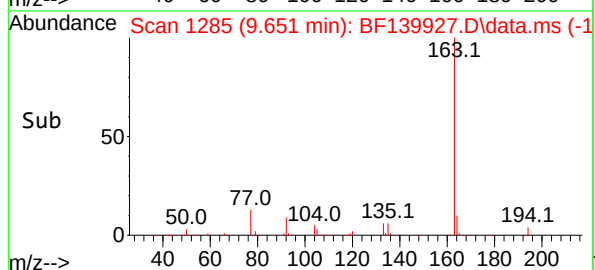
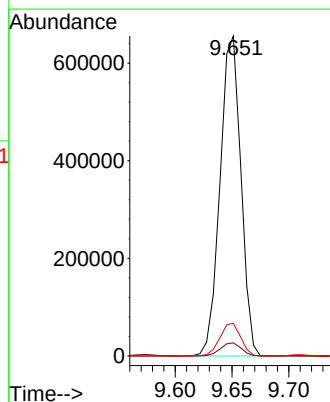
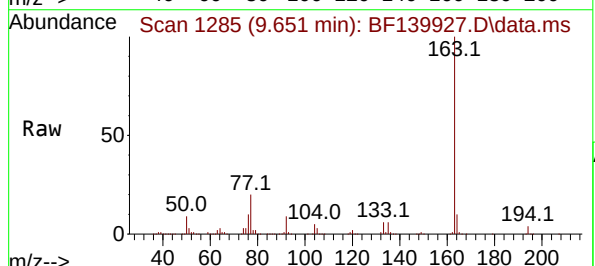
Tgt Ion:163 Resp: 838437

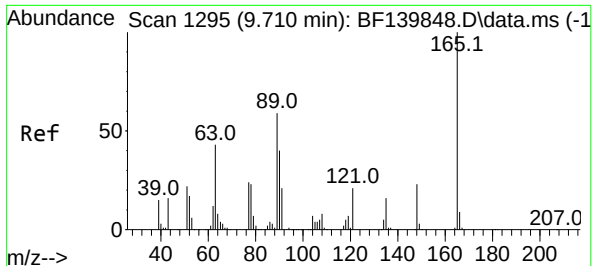
Ion Ratio Lower Upper

163 100

194 4.1 3.4 5.0

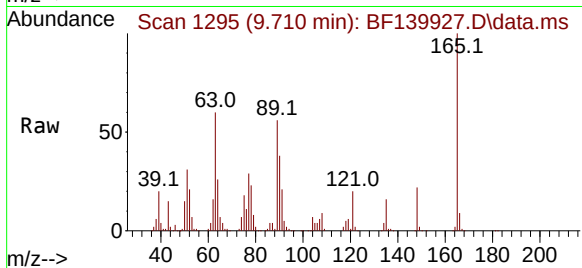
164 10.2 8.2 12.2





#51
2,6-Dinitrotoluene
Concen: 42.923 ng
RT: 9.710 min Scan# 1295
Delta R.T. 0.000 min
Lab File: BF139927.D
Acq: 22 Oct 2024 14:28

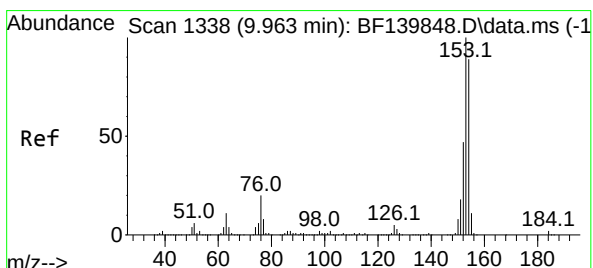
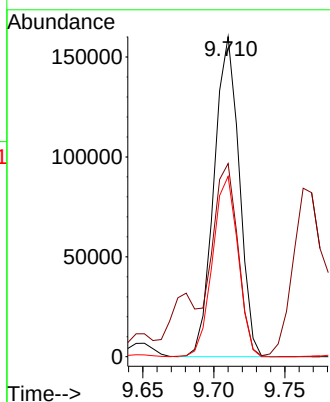
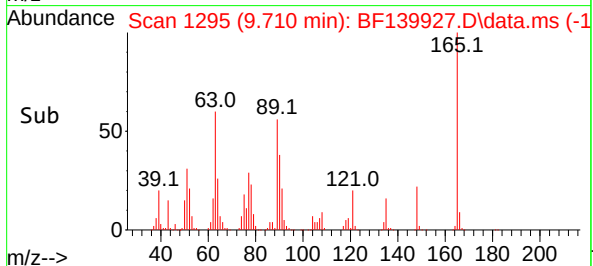
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:165 Resp: 197329
Ion Ratio Lower Upper
165 100
63 60.3 50.6 75.8
89 56.3 47.5 71.3

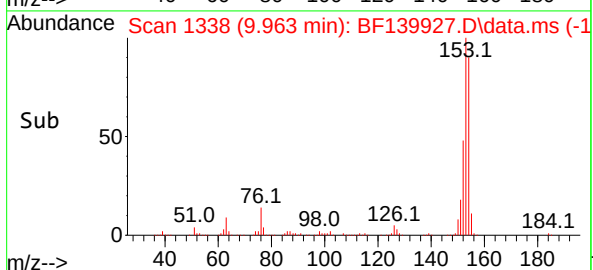
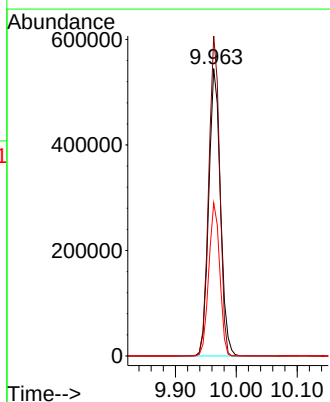
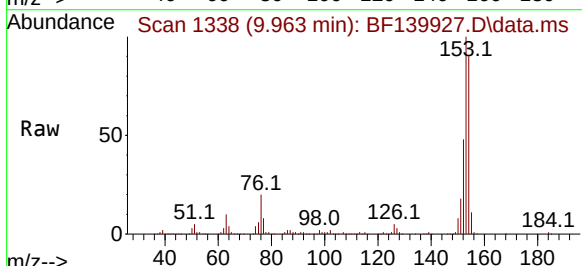
Manual Integrations
APPROVED

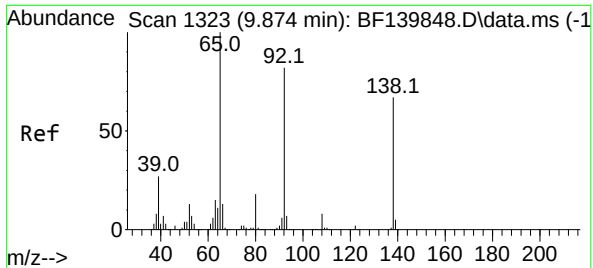
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#52
Acenaphthene
Concen: 40.664 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.000 min
Lab File: BF139927.D
Acq: 22 Oct 2024 14:28

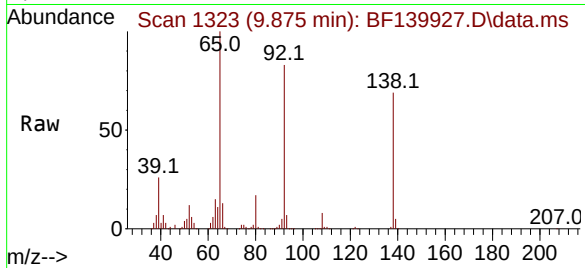
Tgt Ion:154 Resp: 726834
Ion Ratio Lower Upper
154 100
153 111.3 89.8 134.6
152 53.3 42.4 63.6





#53
3-Nitroaniline
Concen: 41.250 ng
RT: 9.875 min Scan# 1323
Delta R.T. 0.000 min
Lab File: BF139927.D
Acq: 22 Oct 2024 14:28

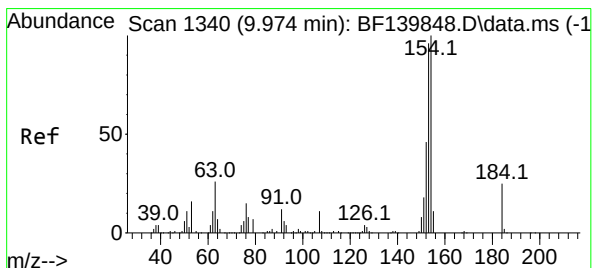
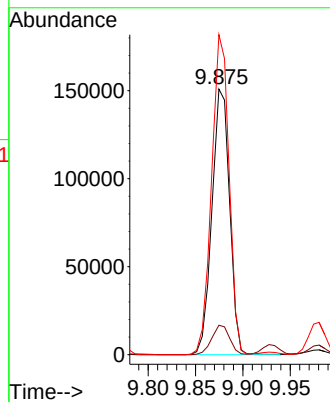
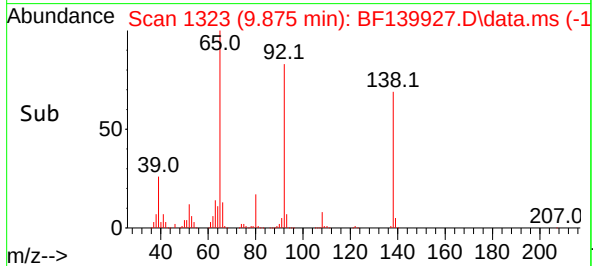
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:138 Resp: 195560
Ion Ratio Lower Upper
138 100
108 11.1 10.2 15.2
92 120.5 98.3 147.5

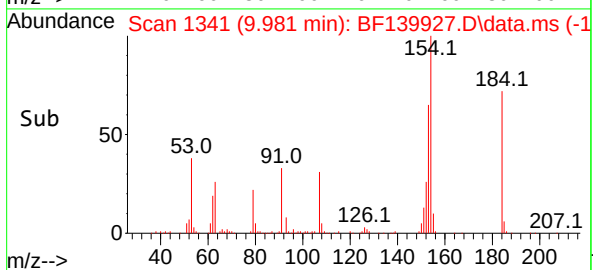
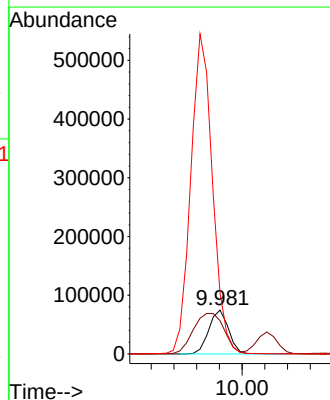
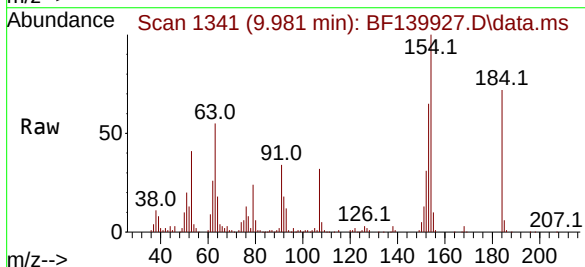
Manual Integrations
APPROVED

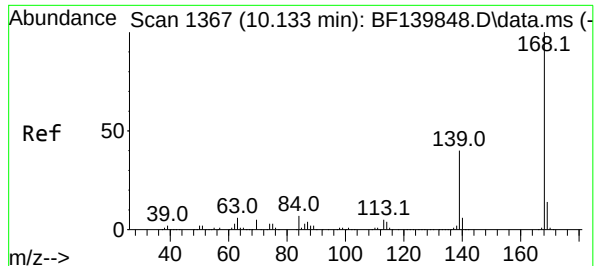
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#54
2,4-Dinitrophenol
Concen: 49.904 ng
RT: 9.981 min Scan# 1341
Delta R.T. 0.007 min
Lab File: BF139927.D
Acq: 22 Oct 2024 14:28

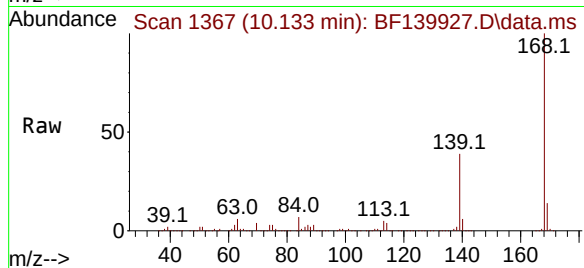
Tgt Ion:184 Resp: 90213
Ion Ratio Lower Upper
184 100
63 75.9 84.7 127.1#
154 138.3 338.2 507.2#





#55
Dibenzenofuran
Concen: 39.854 ng
RT: 10.133 min Scan# 1367
Delta R.T. 0.000 min
Lab File: BF139927.D
Acq: 22 Oct 2024 14:28

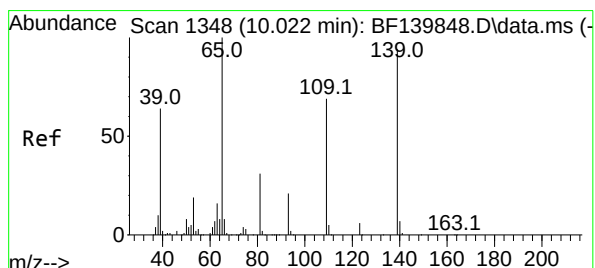
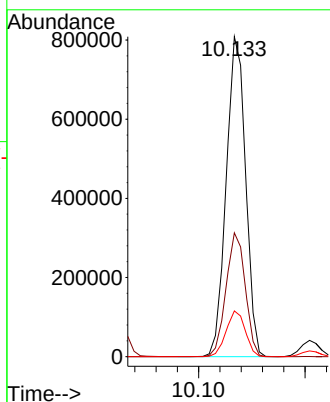
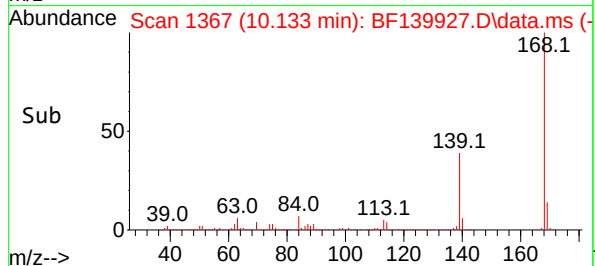
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



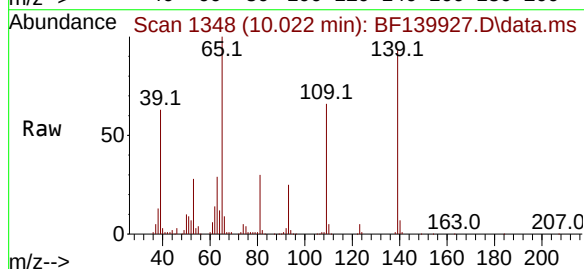
Tgt Ion:168 Resp: 1022078
Ion Ratio Lower Upper
168 100
139 38.7 31.8 47.6
169 14.3 11.6 17.4

Manual Integrations
APPROVED

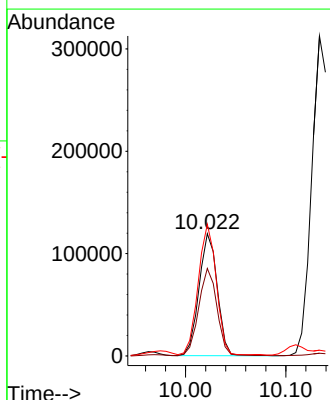
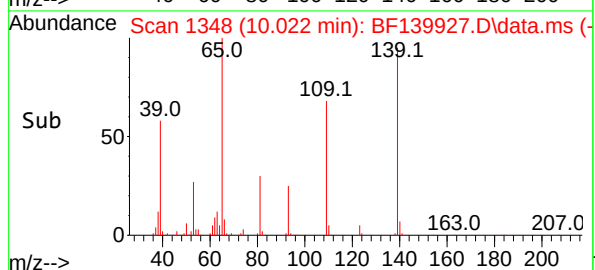
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

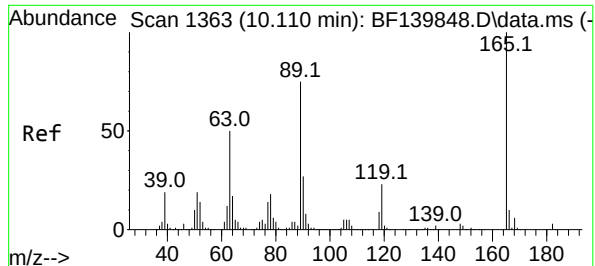


#56
4-Nitrophenol
Concen: 41.620 ng
RT: 10.022 min Scan# 1348
Delta R.T. 0.000 min
Lab File: BF139927.D
Acq: 22 Oct 2024 14:28



Tgt Ion:139 Resp: 151806
Ion Ratio Lower Upper
139 100
109 71.6 53.6 93.6
65 107.8 87.8 127.8





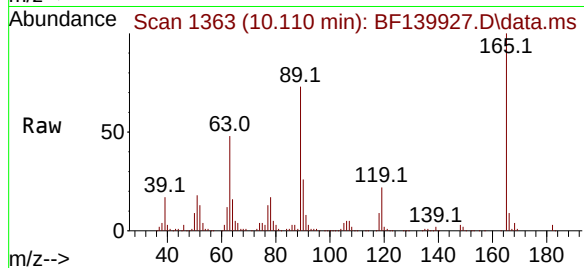
#57
2,4-Dinitrotoluene
Concen: 45.032 ng
RT: 10.110 min Scan# 1363
Delta R.T. 0.000 min
Lab File: BF139927.D
Acq: 22 Oct 2024 14:28

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

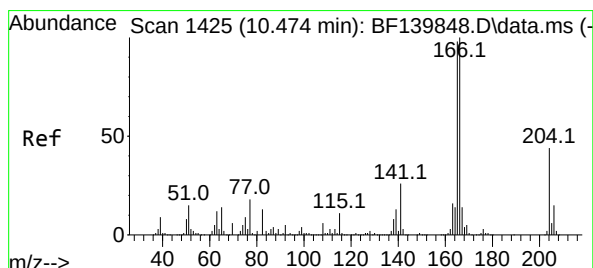
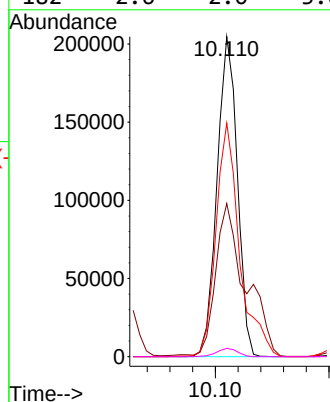
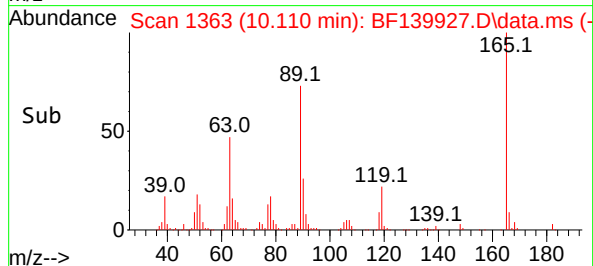


Tgt Ion:165 Resp: 254584
Ion Ratio Lower Upper
165 100
63 47.9 40.1 60.1
89 73.0 60.4 90.6
182 2.6 2.0 3.0

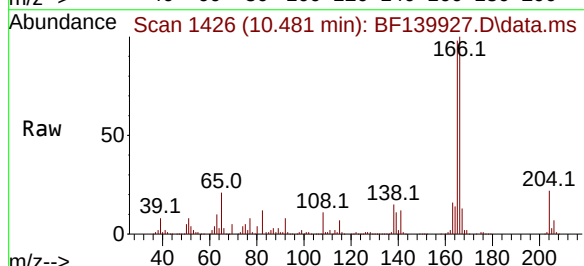
Manual Integrations

APPROVED

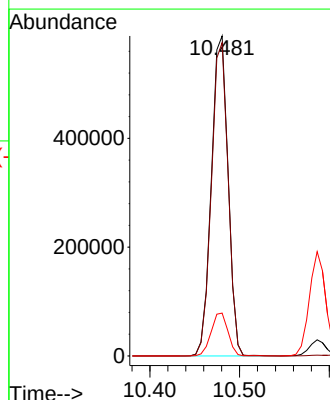
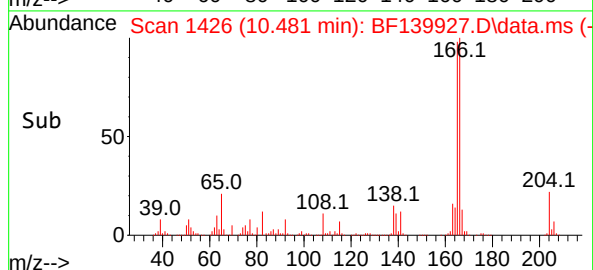
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

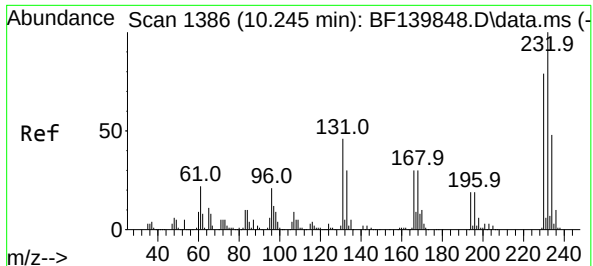


#58
Fluorene
Concen: 38.973 ng
RT: 10.481 min Scan# 1426
Delta R.T. 0.006 min
Lab File: BF139927.D
Acq: 22 Oct 2024 14:28



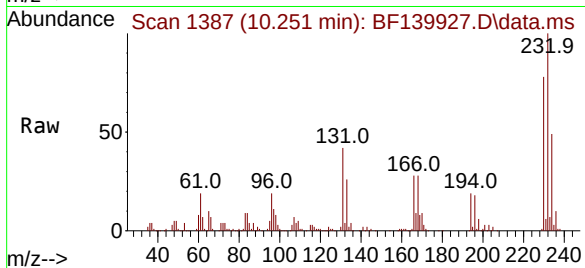
Tgt Ion:166 Resp: 761265
Ion Ratio Lower Upper
166 100
165 97.9 78.5 117.7
167 13.4 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 41.504 ng
RT: 10.251 min Scan# 1387
Delta R.T. 0.006 min
Lab File: BF139927.D
Acq: 22 Oct 2024 14:28

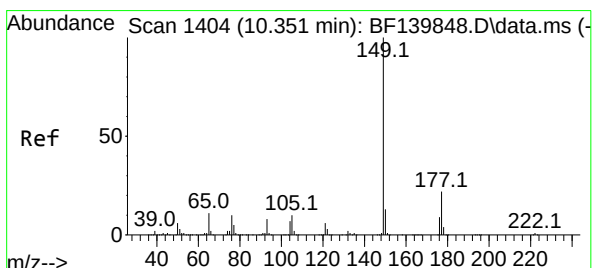
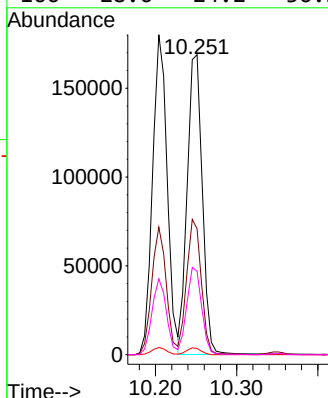
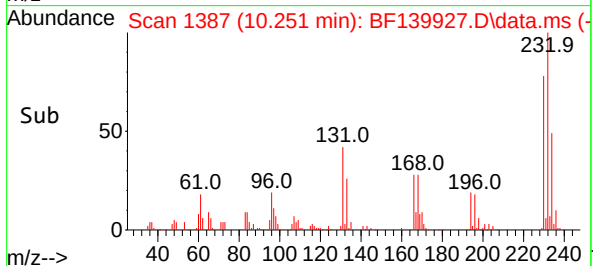
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:232 Resp: 218559
Ion Ratio Lower Upper
232 100
131 43.9 37.0 55.6
130 2.2 1.9 2.9
166 28.6 24.2 36.2

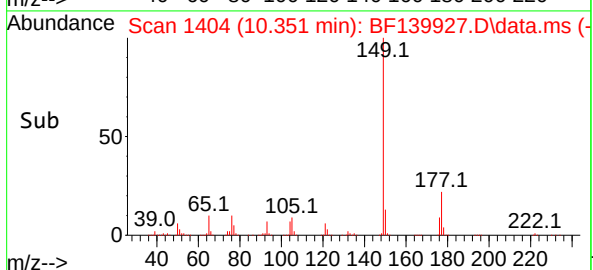
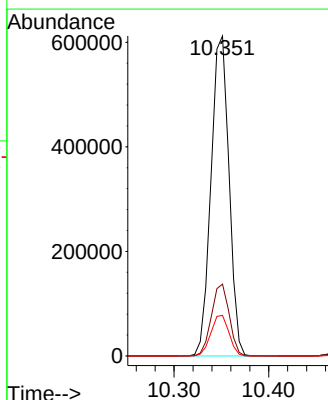
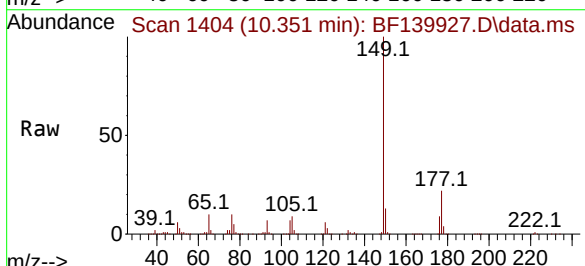
Manual Integrations
APPROVED

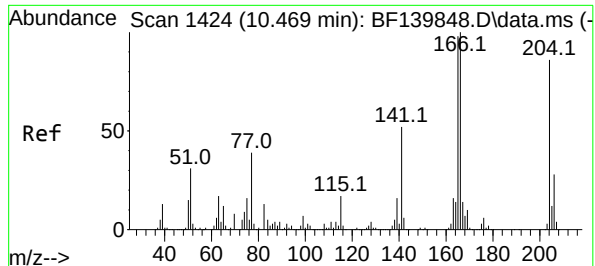
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#60
Diethylphthalate
Concen: 38.741 ng
RT: 10.351 min Scan# 1404
Delta R.T. 0.000 min
Lab File: BF139927.D
Acq: 22 Oct 2024 14:28

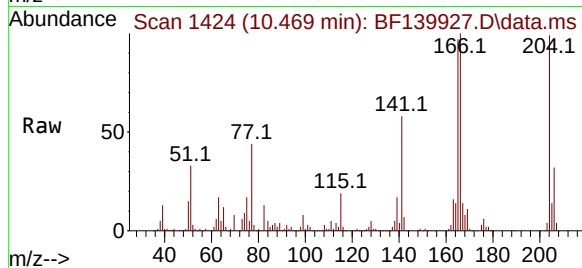
Tgt Ion:149 Resp: 807640
Ion Ratio Lower Upper
149 100
177 22.5 17.9 26.9
150 12.7 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 40.069 ng
RT: 10.469 min Scan# 1424
Delta R.T. 0.000 min
Lab File: BF139927.D
Acq: 22 Oct 2024 14:28

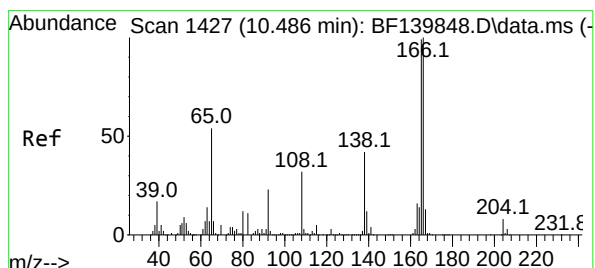
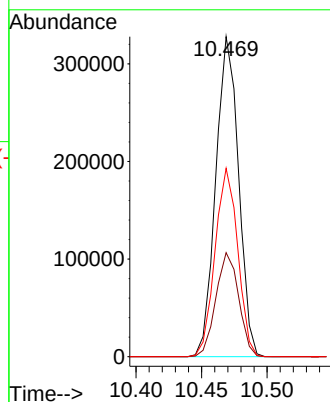
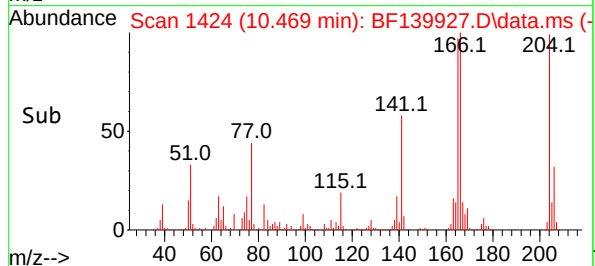
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



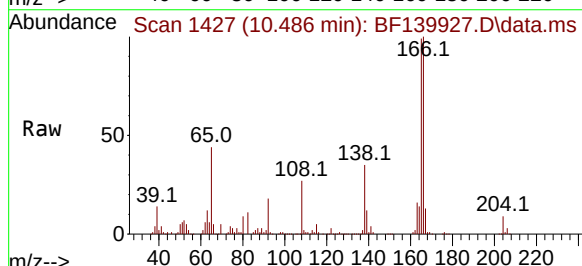
Tgt Ion:204 Resp: 39525
Ion Ratio Lower Upper
204 100
206 32.5 26.3 39.5
141 58.8 48.6 73.0

Manual Integrations
APPROVED

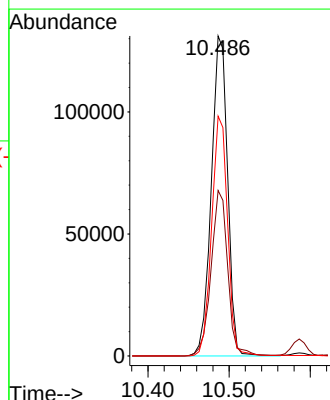
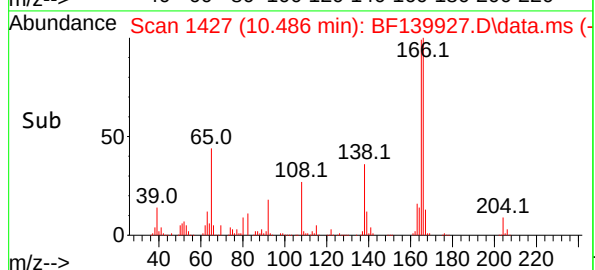
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

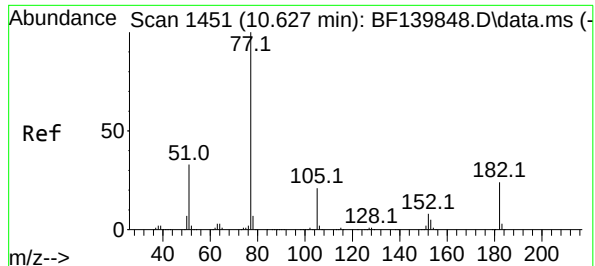


#62
4-Nitroaniline
Concen: 40.756 ng
RT: 10.486 min Scan# 1427
Delta R.T. 0.000 min
Lab File: BF139927.D
Acq: 22 Oct 2024 14:28



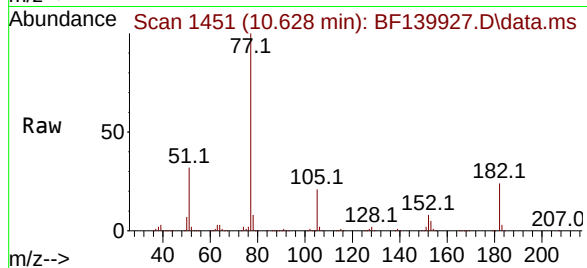
Tgt Ion:138 Resp: 182487
Ion Ratio Lower Upper
138 100
92 51.7 35.7 75.7
108 75.0 57.5 97.5





#63
Azobenzene
Concen: 38.128 ng
RT: 10.628 min Scan# 1451
Delta R.T. 0.000 min
Lab File: BF139927.D
Acq: 22 Oct 2024 14:28

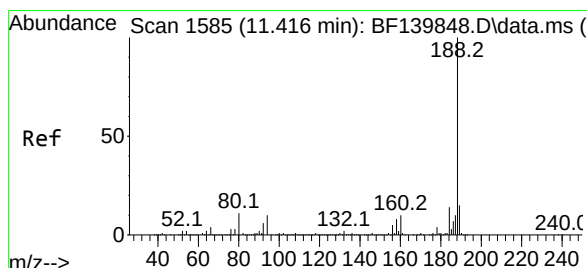
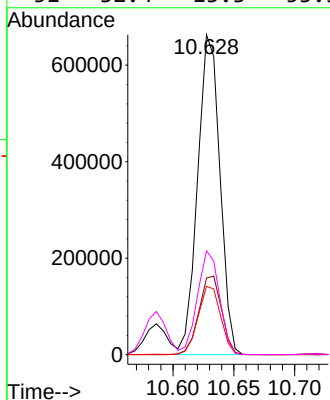
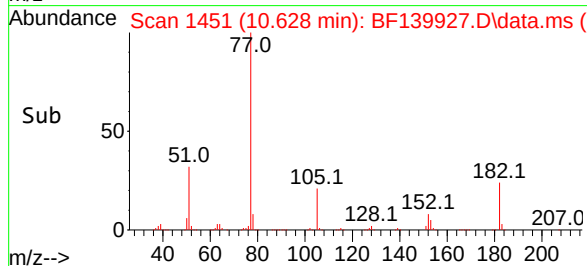
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



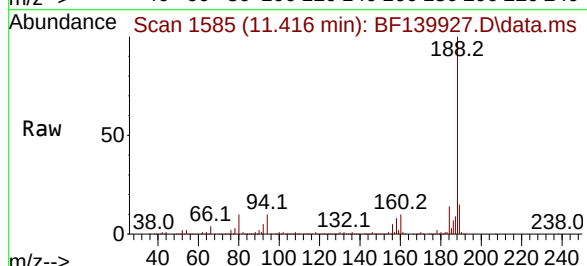
Tgt Ion: 77 Resp: 842674
Ion Ratio Lower Upper
77 100
182 23.9 3.3 43.3
105 21.3 1.2 41.2
51 32.4 13.3 53.3

Manual Integrations
APPROVED

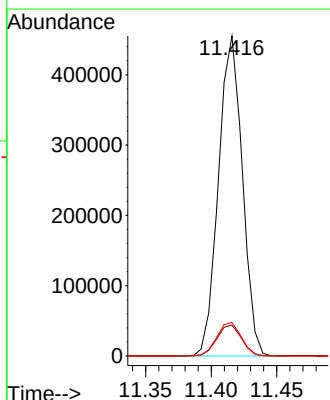
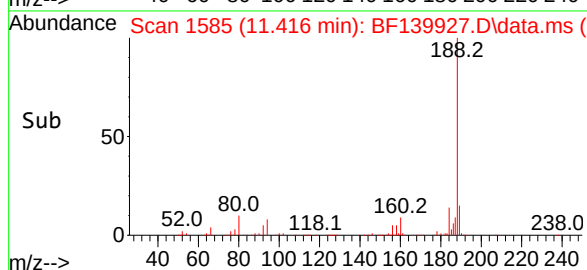
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

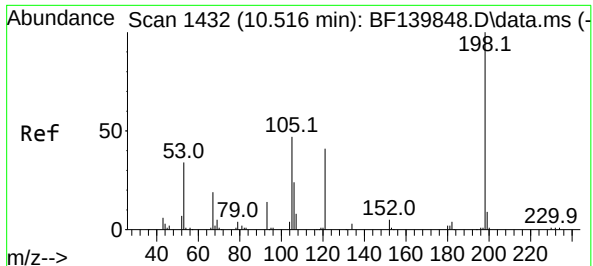


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BF139927.D
Acq: 22 Oct 2024 14:28



Tgt Ion:188 Resp: 576195
Ion Ratio Lower Upper
188 100
94 9.6 7.9 11.9
80 10.5 9.0 13.4





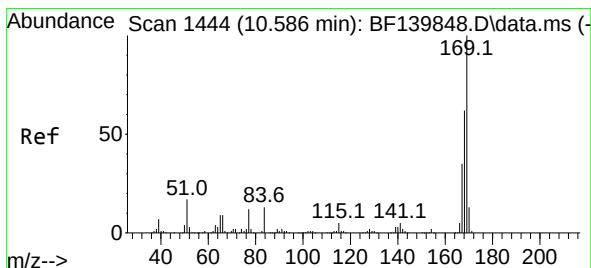
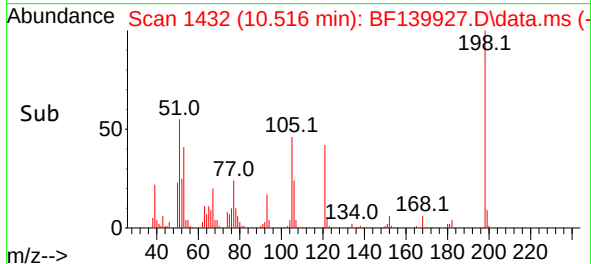
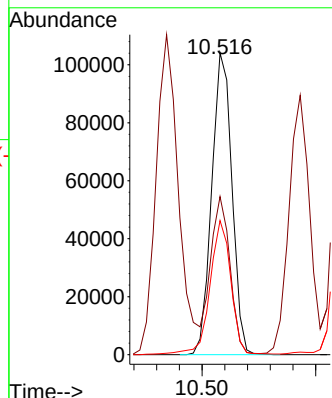
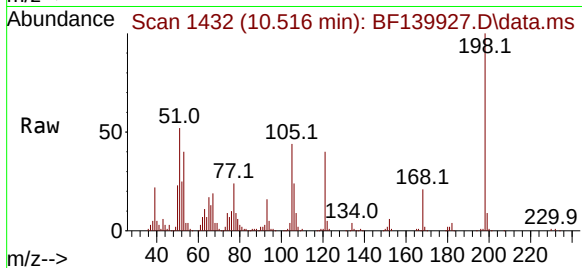
#65
4,6-Dinitro-2-methylphenol
Concen: 54.716 ng
RT: 10.516 min Scan# 1432
Delta R.T. -0.000 min
Lab File: BF139927.D
Acq: 22 Oct 2024 14:28

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 128598
Ion Ratio Lower Upper
198 100
51 52.4 38.2 78.2
105 44.4 27.9 67.9

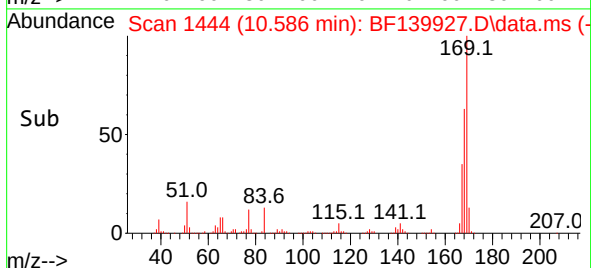
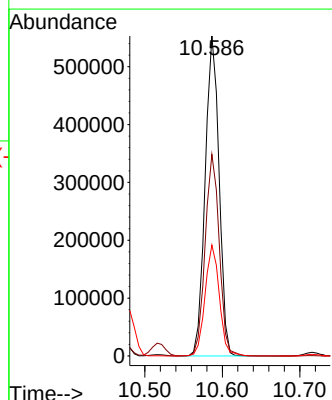
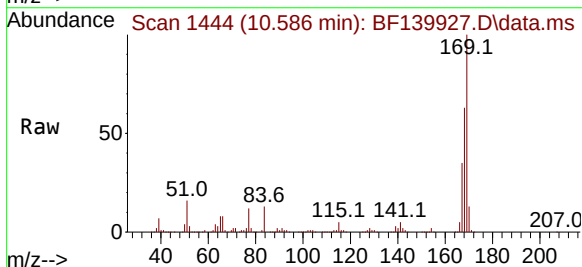
Manual Integrations
APPROVED

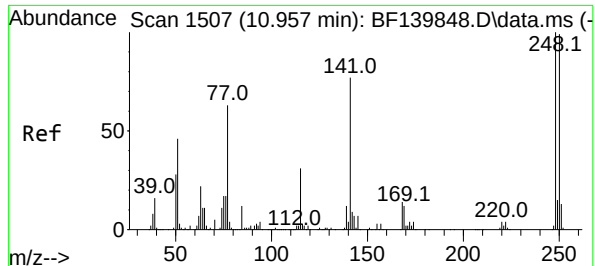
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#66
n-Nitrosodiphenylamine
Concen: 39.956 ng
RT: 10.586 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BF139927.D
Acq: 22 Oct 2024 14:28

Tgt Ion:169 Resp: 689056
Ion Ratio Lower Upper
169 100
168 63.0 49.8 74.6
167 34.7 28.0 42.0





#67
4-Bromophenyl-phenylether
Concen: 41.957 ng
RT: 10.963 min Scan# 1508
Delta R.T. 0.006 min
Lab File: BF139927.D
Acq: 22 Oct 2024 14:28

Instrument :

BNA_F

ClientSampleId :

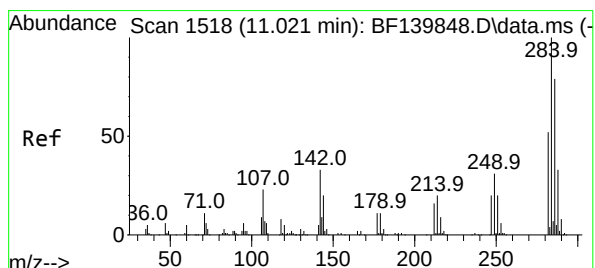
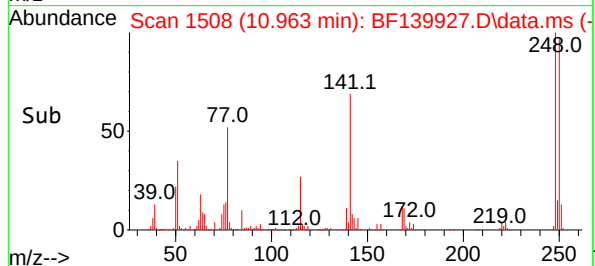
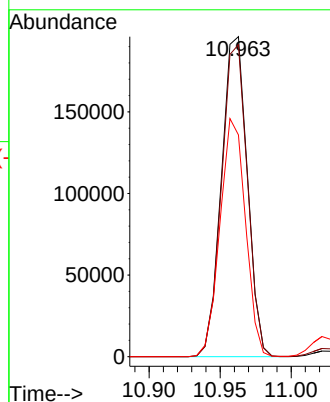
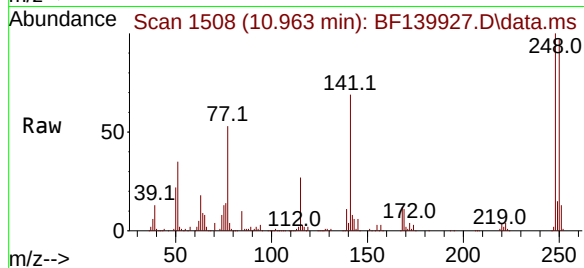
SSTDCCC040

Tgt Ion:248 Resp: 249054
Ion Ratio Lower Upper
248 100
250 97.5 79.0 118.6
141 69.3 61.7 92.5

Manual Integrations

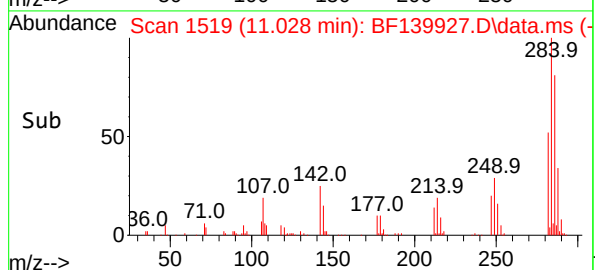
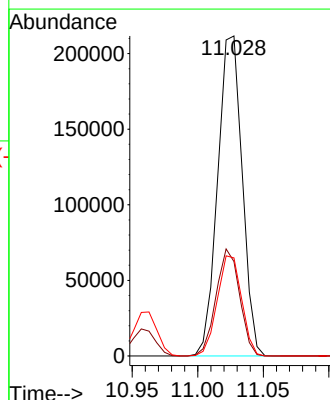
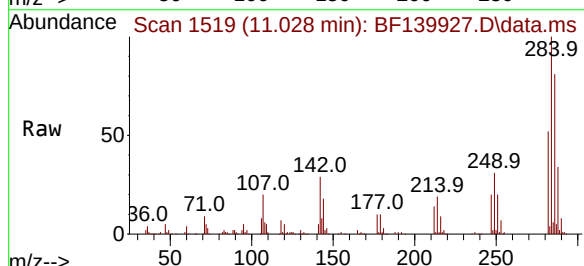
APPROVED

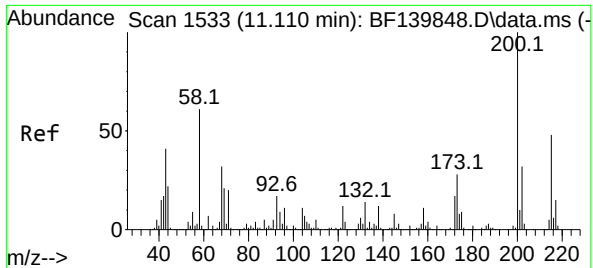
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#68
Hexachlorobenzene
Concen: 41.180 ng
RT: 11.028 min Scan# 1519
Delta R.T. 0.006 min
Lab File: BF139927.D
Acq: 22 Oct 2024 14:28

Tgt Ion:284 Resp: 274913
Ion Ratio Lower Upper
284 100
142 29.5 26.9 40.3
249 30.7 25.3 37.9





#69

Atrazine

Concen: 38.327 ng

RT: 11.110 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF139927.D

Acq: 22 Oct 2024 14:28

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:200 Resp: 17904

Ion Ratio Lower Upper

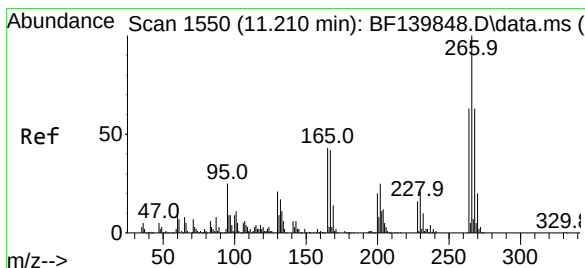
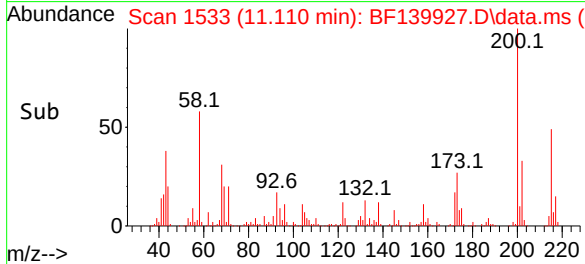
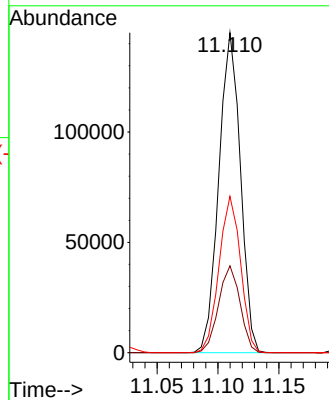
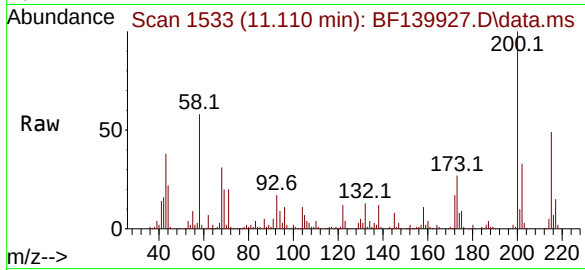
200 100

173 27.2 7.7 47.7

215 48.8 27.7 67.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

#70

Pentachlorophenol

Concen: 45.613 ng

RT: 11.216 min Scan# 1551

Delta R.T. 0.006 min

Lab File: BF139927.D

Acq: 22 Oct 2024 14:28

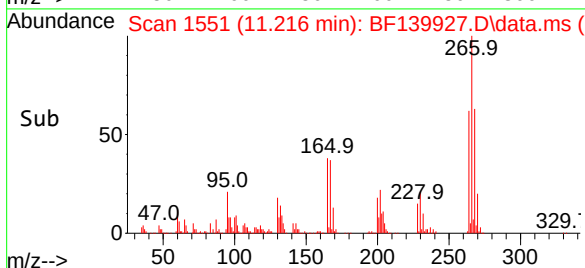
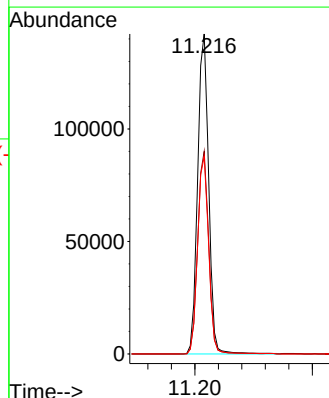
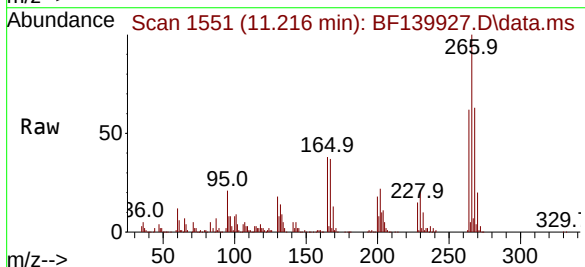
Tgt Ion:266 Resp: 184808

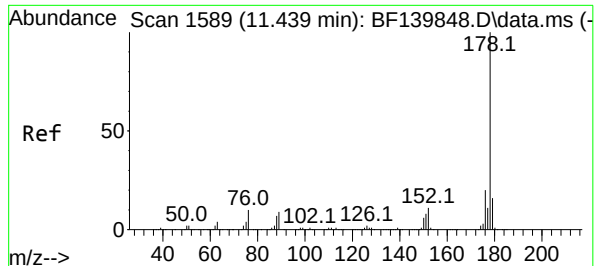
Ion Ratio Lower Upper

266 100

268 63.3 50.4 75.6

264 61.7 50.6 75.8





#71
Phenanthrene
Concen: 39.147 ng
RT: 11.439 min Scan# 1589
Delta R.T. 0.000 min
Lab File: BF139927.D
Acq: 22 Oct 2024 14:28

Instrument :

BNA_F

ClientSampleId :

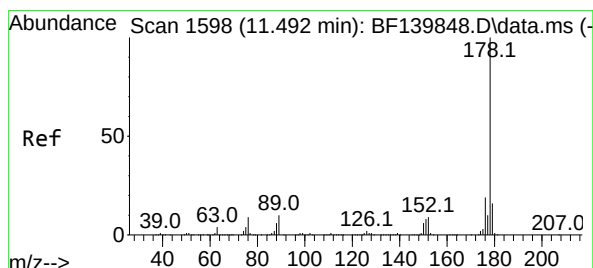
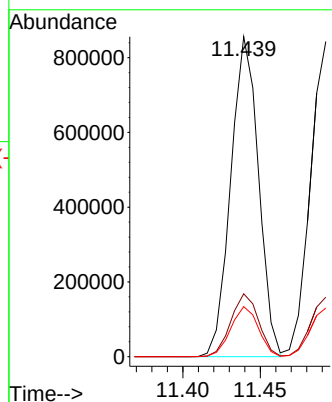
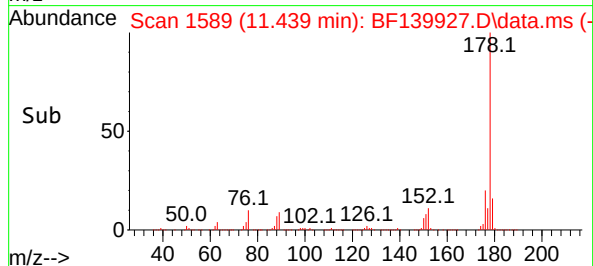
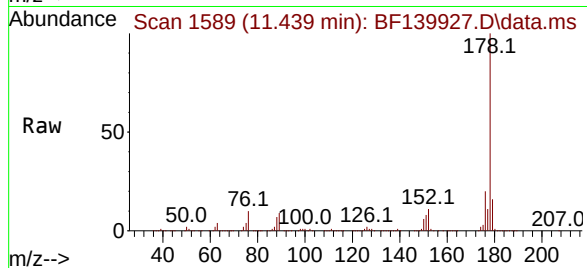
SSTDCCC040

Tgt Ion:178 Resp: 106546
Ion Ratio Lower Upper
178 100
176 19.6 15.8 23.6
179 15.6 12.6 18.8

Manual Integrations

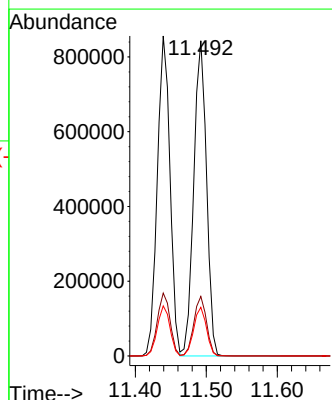
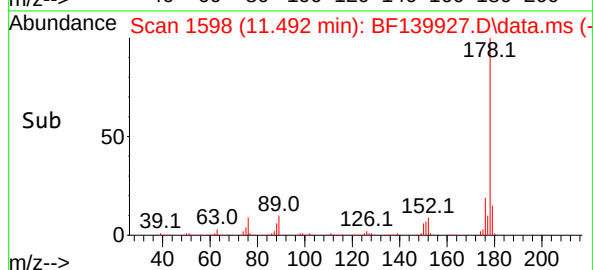
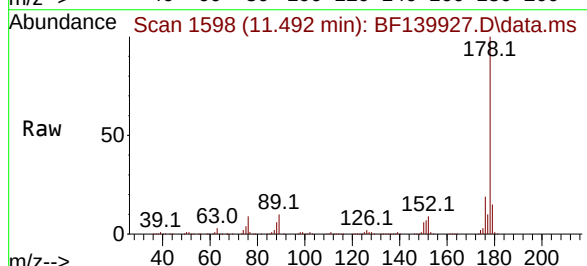
APPROVED

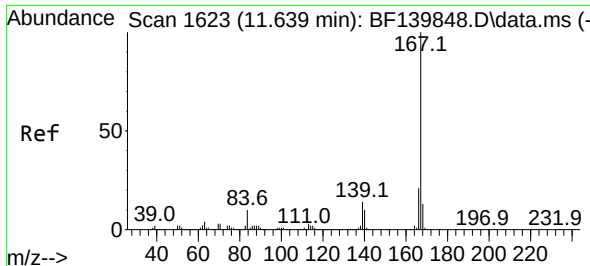
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#72
Anthracene
Concen: 39.732 ng
RT: 11.492 min Scan# 1598
Delta R.T. 0.000 min
Lab File: BF139927.D
Acq: 22 Oct 2024 14:28

Tgt Ion:178 Resp: 1055100
Ion Ratio Lower Upper
178 100
176 18.9 15.3 22.9
179 15.4 12.4 18.6





#73

Carbazole

Concen: 37.779 ng

RT: 11.645 min Scan# 1623

Delta R.T. 0.006 min

Lab File: BF139927.D

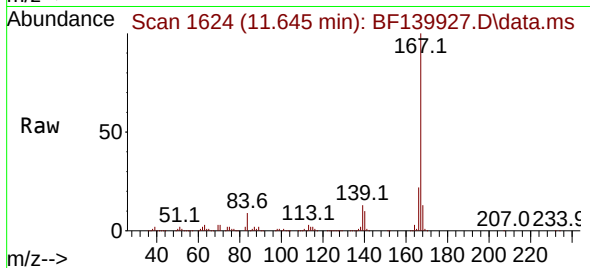
Acq: 22 Oct 2024 14:28

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:167 Resp: 93302

Ion Ratio Lower Upper

167 100

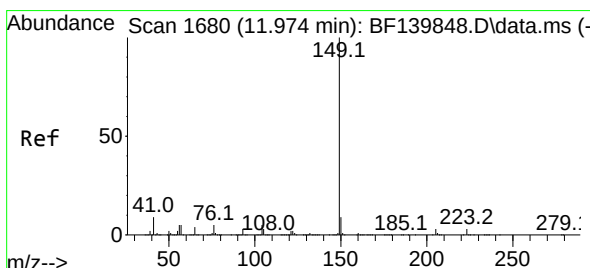
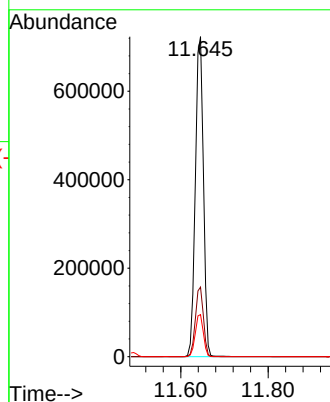
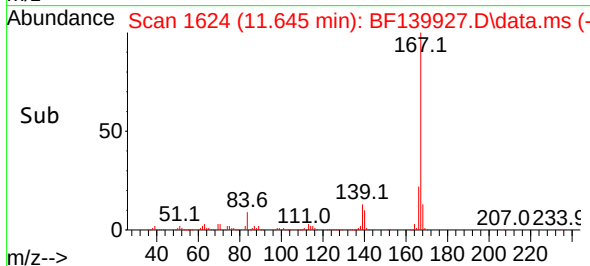
166 21.7 17.0 25.6

139 13.2 10.8 16.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024
 Supervised By :mohammad ahmed 10/24/2024



#74

Di-n-butylphthalate

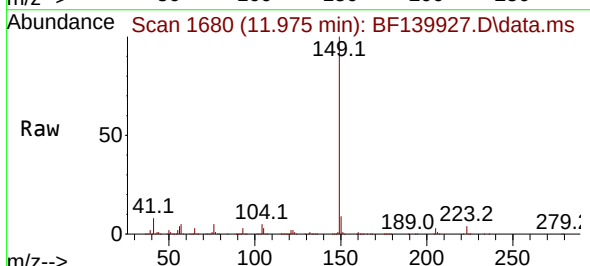
Concen: 37.116 ng

RT: 11.975 min Scan# 1680

Delta R.T. 0.000 min

Lab File: BF139927.D

Acq: 22 Oct 2024 14:28



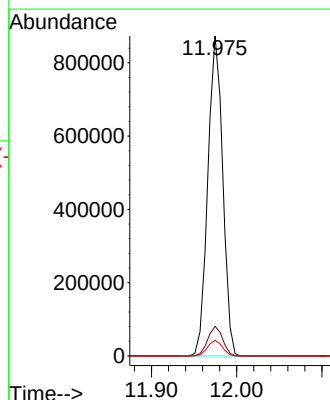
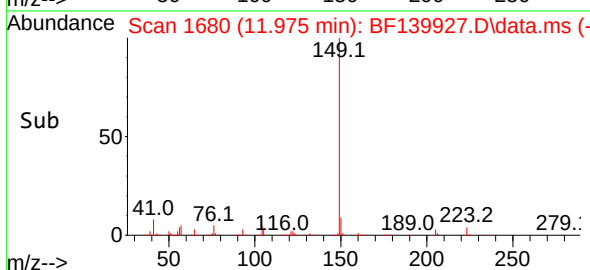
Tgt Ion:149 Resp: 1059052

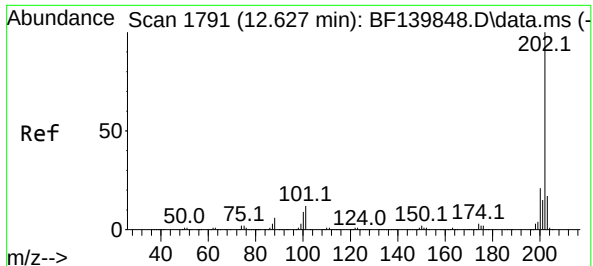
Ion Ratio Lower Upper

149 100

150 9.3 7.5 11.3

104 4.9 4.1 6.1





#75

Fluoranthene

Concen: 36.627 ng

RT: 12.627 min Scan# 1791

Delta R.T. 0.000 min

Lab File: BF139927.D

Acq: 22 Oct 2024 14:28

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:202 Resp: 100776

Ion Ratio Lower Upper

202 100

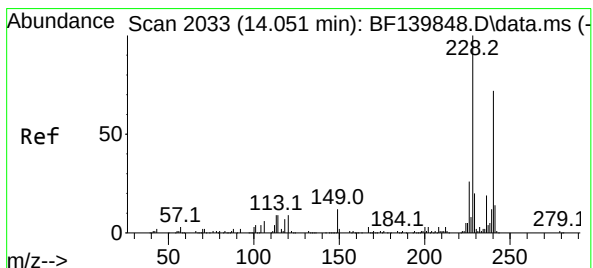
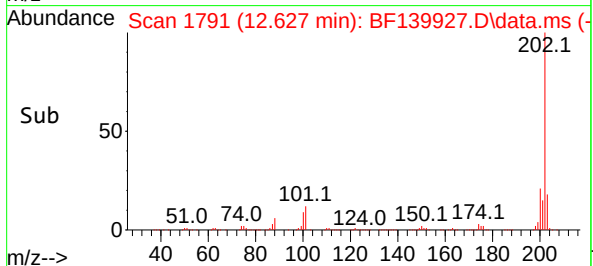
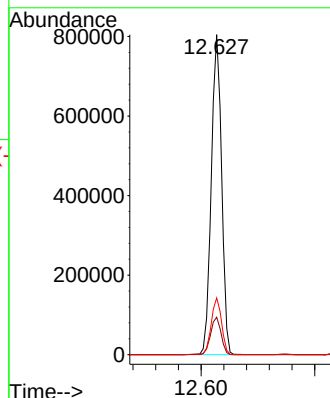
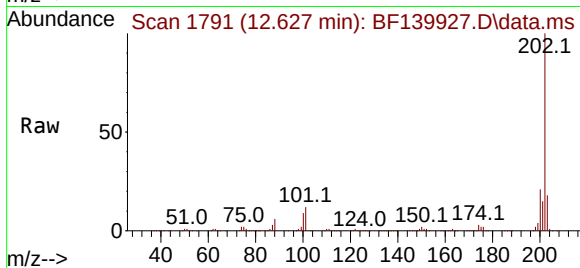
101 11.7 0.0 31.9

203 17.8 0.0 37.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024
 Supervised By :mohammad ahmed 10/24/2024



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2033

Delta R.T. 0.000 min

Lab File: BF139927.D

Acq: 22 Oct 2024 14:28

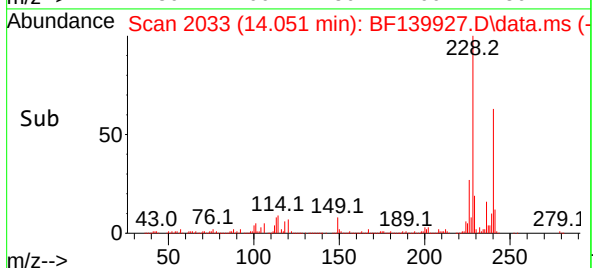
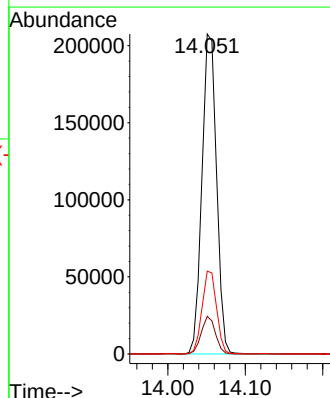
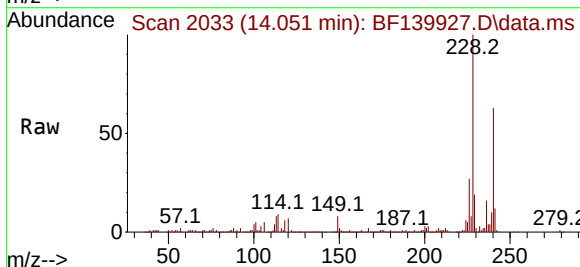
Tgt Ion:240 Resp: 272427

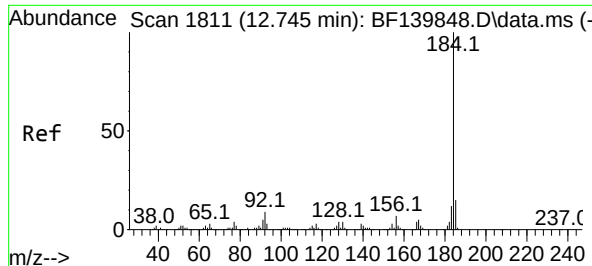
Ion Ratio Lower Upper

240 100

120 11.8 9.4 14.2

236 25.9 20.9 31.3





#77

Benzidine

Concen: 71.828 ng

RT: 12.745 min Scan# 1811

Delta R.T. 0.000 min

Lab File: BF139927.D

Acq: 22 Oct 2024 14:28

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:184 Resp: 32176

Ion Ratio Lower Upper

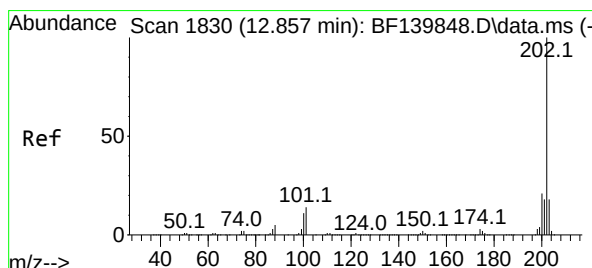
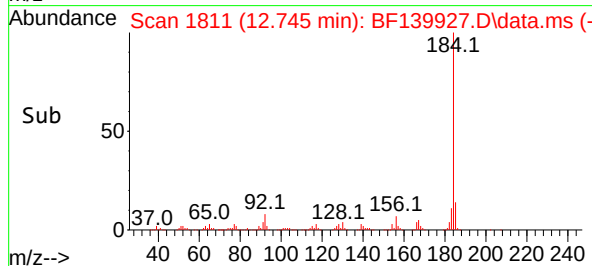
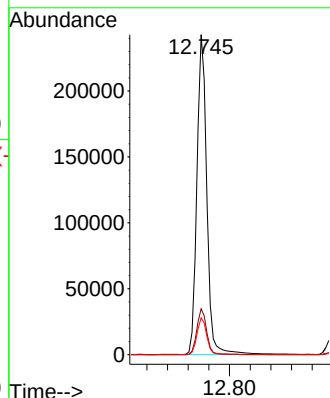
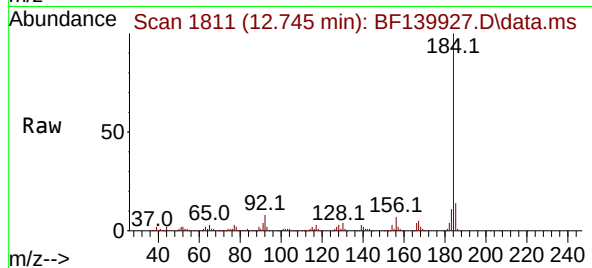
184 100

185 14.4 12.0 18.0

183 11.5 9.4 14.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

#78

Pyrene

Concen: 42.314 ng

RT: 12.857 min Scan# 1830

Delta R.T. 0.000 min

Lab File: BF139927.D

Acq: 22 Oct 2024 14:28

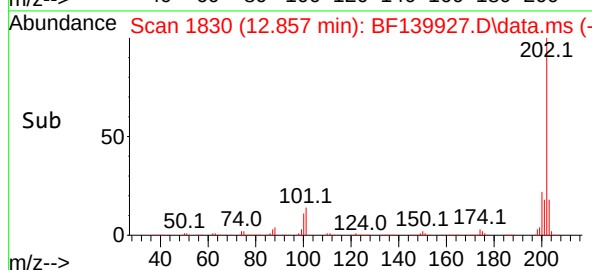
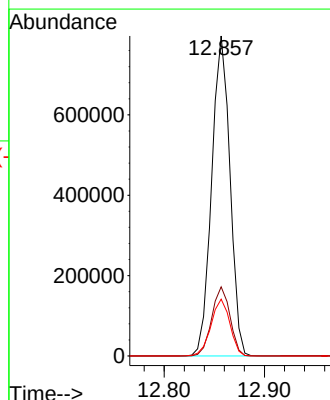
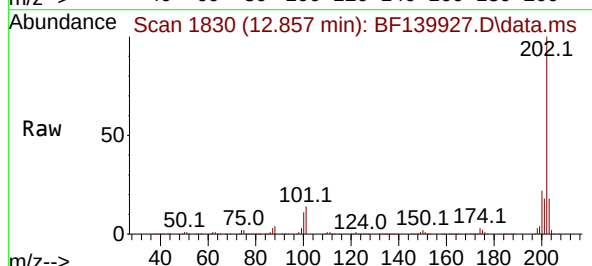
Tgt Ion:202 Resp: 1009031

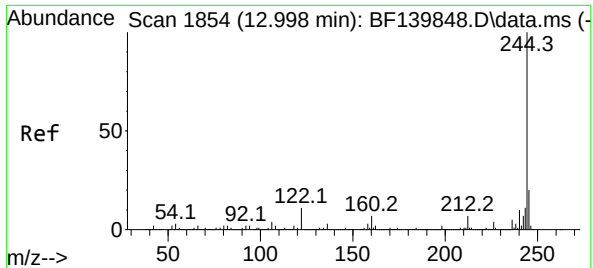
Ion Ratio Lower Upper

202 100

200 21.6 17.2 25.8

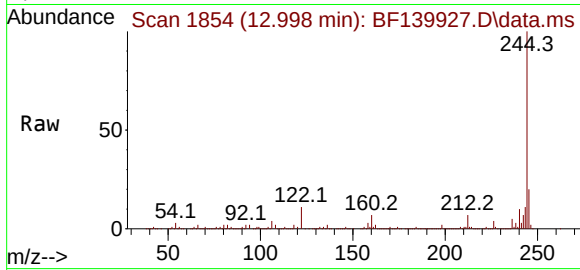
203 17.7 14.2 21.4





#79
Terphenyl-d14
Concen: 82.682 ng
RT: 12.998 min Scan# 1854
Delta R.T. 0.000 min
Lab File: BF139927.D
Acq: 22 Oct 2024 14:28

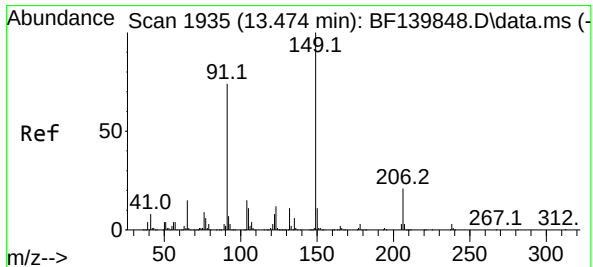
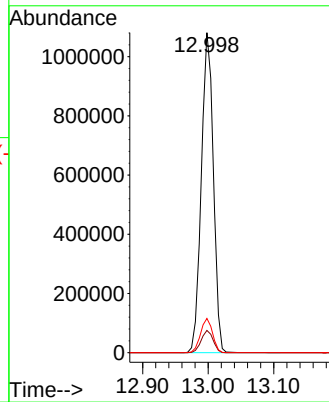
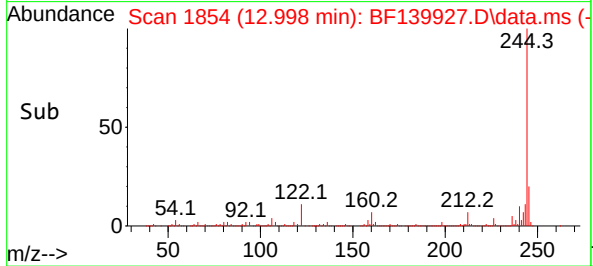
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:244 Resp: 138232
Ion Ratio Lower Upper
244 100
212 7.0 5.7 8.5
122 10.7 8.6 13.0

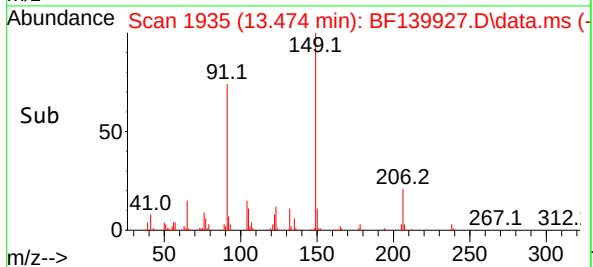
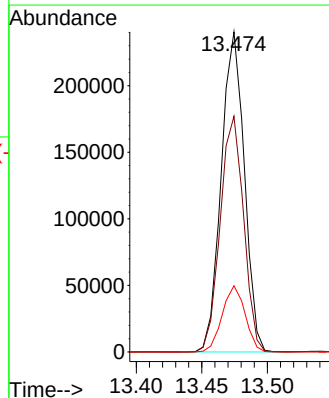
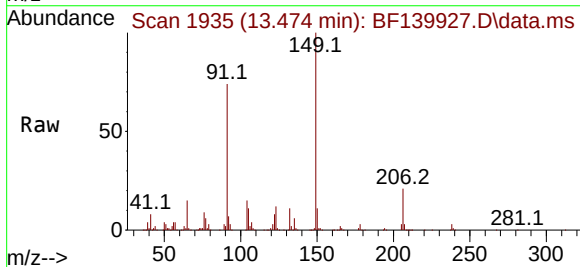
Manual Integrations
APPROVED

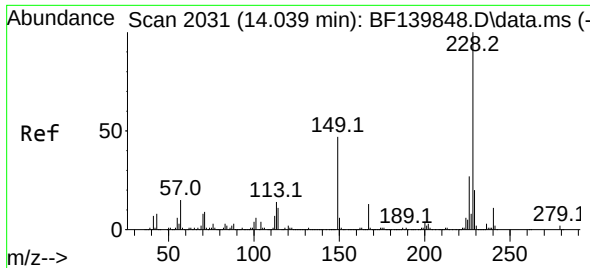
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#80
Butylbenzylphthalate
Concen: 41.091 ng
RT: 13.474 min Scan# 1935
Delta R.T. 0.000 min
Lab File: BF139927.D
Acq: 22 Oct 2024 14:28

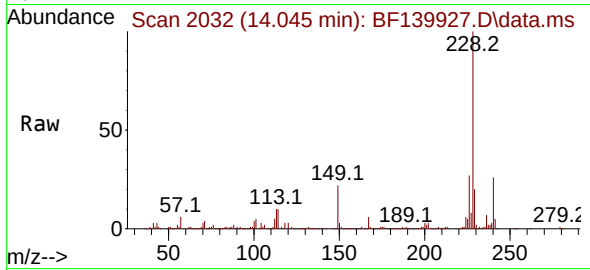
Tgt Ion:149 Resp: 293771
Ion Ratio Lower Upper
149 100
91 73.7 59.4 89.2
206 20.7 16.4 24.6





#81
Benzo(a)anthracene
Concen: 40.026 ng
RT: 14.045 min Scan# 2031
Delta R.T. 0.006 min
Lab File: BF139927.D
Acq: 22 Oct 2024 14:28

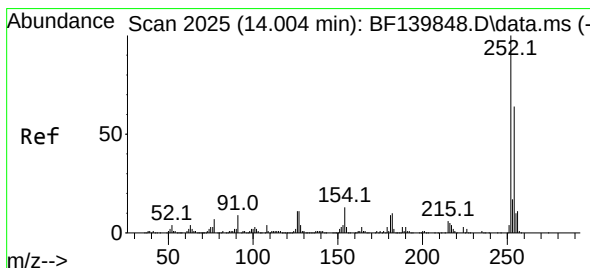
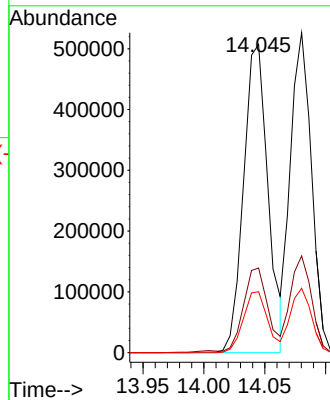
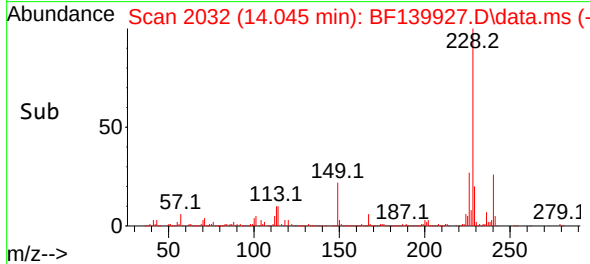
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



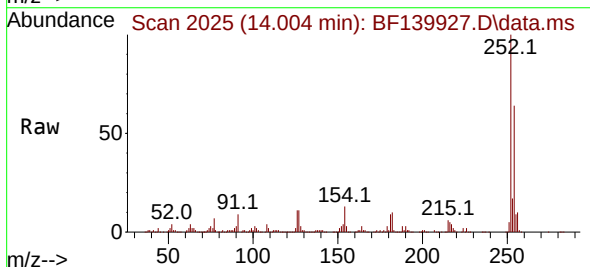
Tgt Ion:228 Resp: 709829
Ion Ratio Lower Upper
228 100
226 27.5 21.6 32.4
229 19.8 16.1 24.1

Manual Integrations
APPROVED

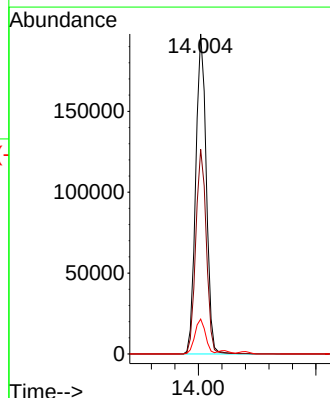
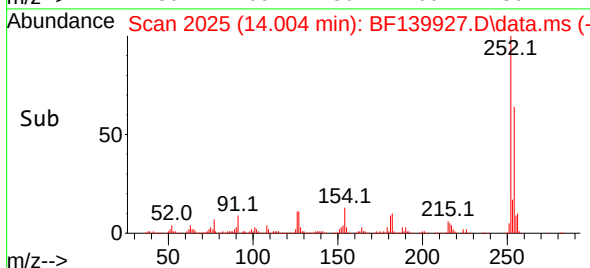
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

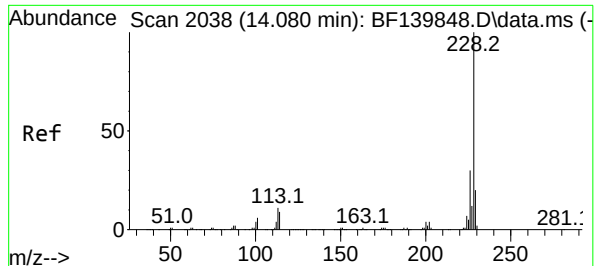


#82
3,3'-Dichlorobenzidine
Concen: 47.646 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF139927.D
Acq: 22 Oct 2024 14:28



Tgt Ion:252 Resp: 246362
Ion Ratio Lower Upper
252 100
254 63.9 50.8 76.2
126 10.9 8.9 13.3





#83

Chrysene

Concen: 39.091 ng

RT: 14.080 min Scan# 2038

Delta R.T. 0.000 min

Lab File: BF139927.D

Acq: 22 Oct 2024 14:28

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:228 Resp: 63562

Ion Ratio Lower Upper

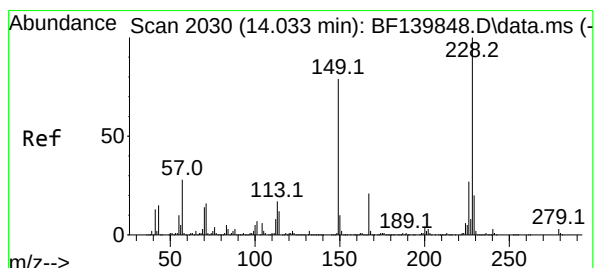
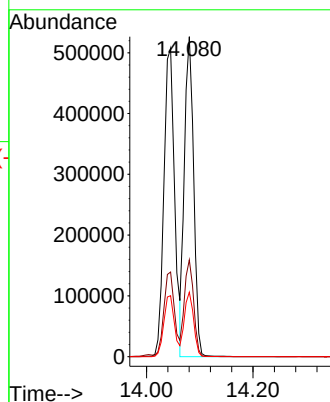
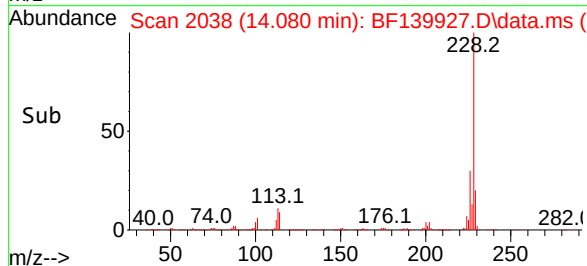
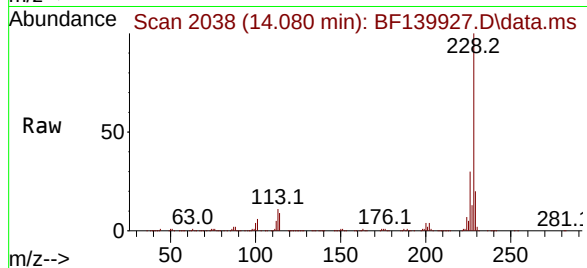
228 100

226 30.3 24.1 36.1

229 20.1 15.8 23.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

#84

Bis(2-ethylhexyl)phthalate

Concen: 47.106 ng

RT: 14.033 min Scan# 2030

Delta R.T. 0.000 min

Lab File: BF139927.D

Acq: 22 Oct 2024 14:28

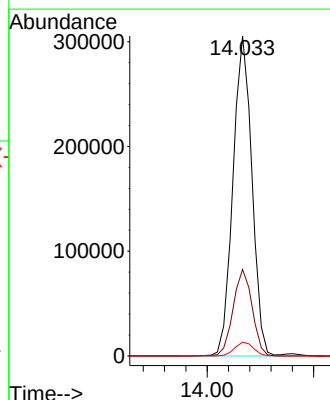
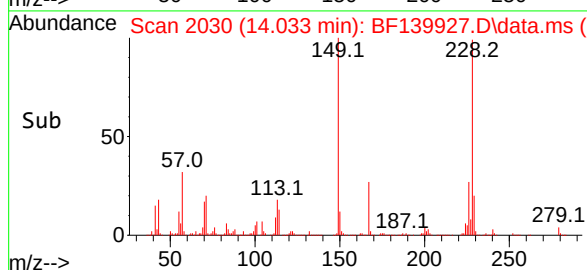
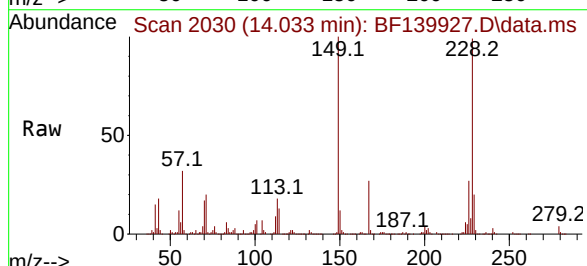
Tgt Ion:149 Resp: 377843

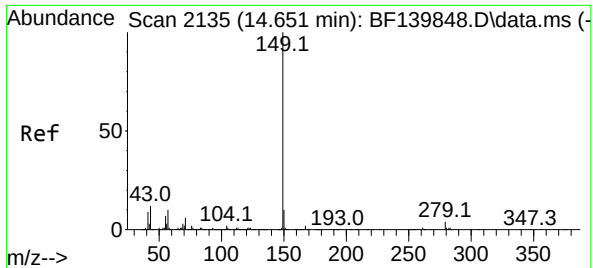
Ion Ratio Lower Upper

149 100

167 27.1 21.4 32.0

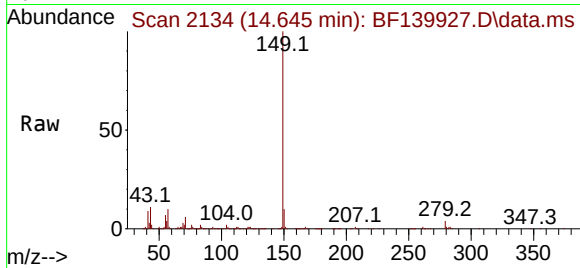
279 4.3 3.0 4.4





#85
Di-n-octyl phthalate
Concen: 48.986 ng
RT: 14.645 min Scan# 2135
Delta R.T. -0.006 min
Lab File: BF139927.D
Acq: 22 Oct 2024 14:28

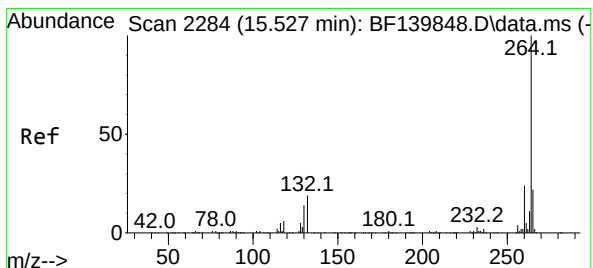
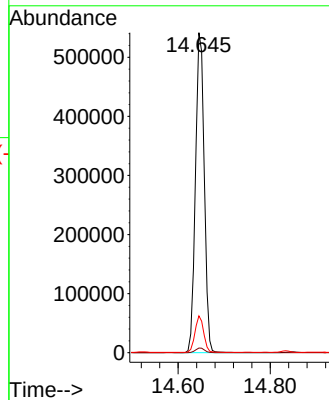
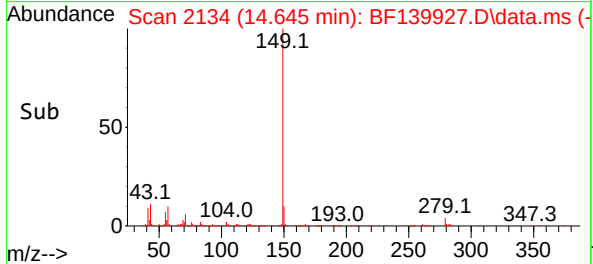
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:149 Resp: 714679
Ion Ratio Lower Upper
149 100
167 1.5 1.2 1.8
43 11.3 9.8 14.6

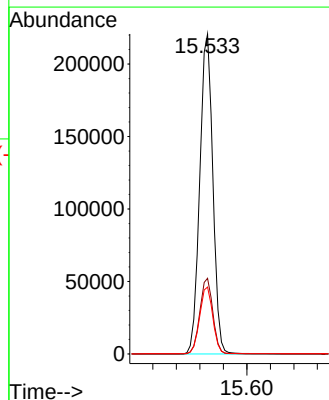
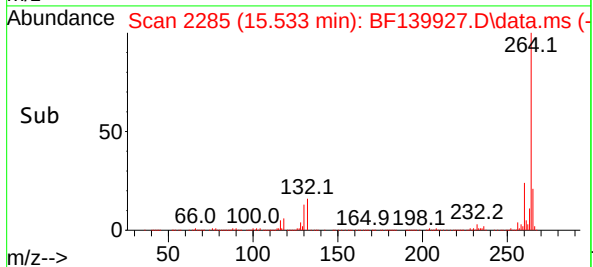
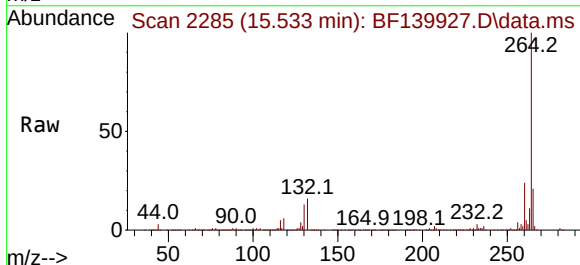
Manual Integrations
APPROVED

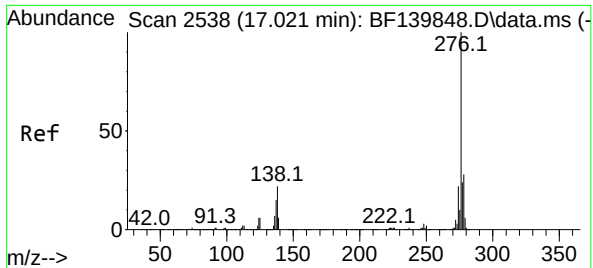
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2285
Delta R.T. 0.006 min
Lab File: BF139927.D
Acq: 22 Oct 2024 14:28

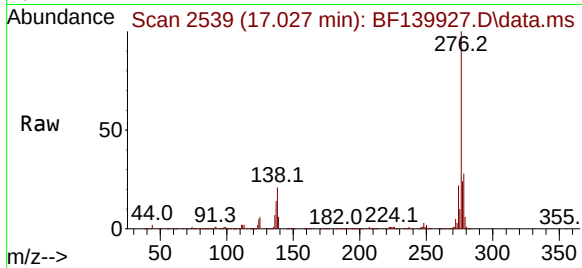
Tgt Ion:264 Resp: 340524
Ion Ratio Lower Upper
264 100
260 23.6 19.4 29.2
265 20.9 17.4 26.0





#87
Indeno(1,2,3-cd)pyrene
Concen: 44.668 ng
RT: 17.027 min Scan# 2538
Delta R.T. 0.006 min
Lab File: BF139927.D
Acq: 22 Oct 2024 14:28

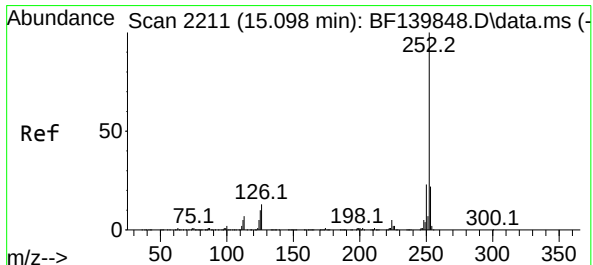
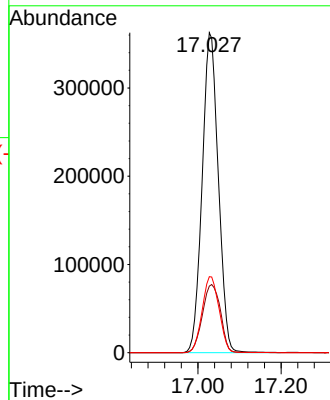
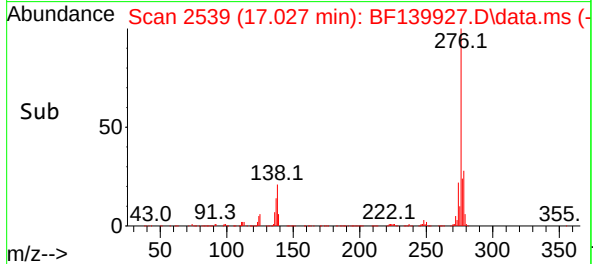
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:276 Resp: 97852
Ion Ratio Lower Upper
276 100
138 23.9 20.4 30.6
277 24.9 20.2 30.4

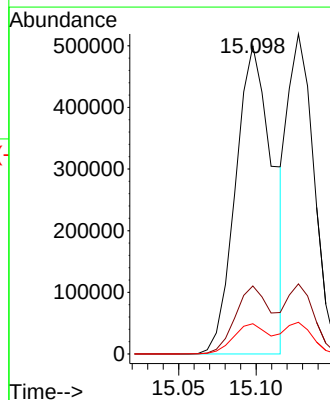
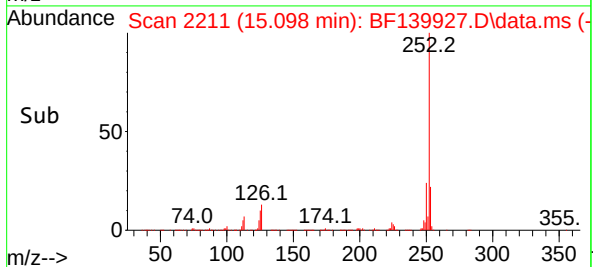
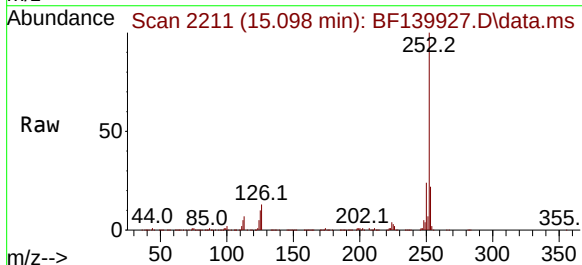
Manual Integrations
APPROVED

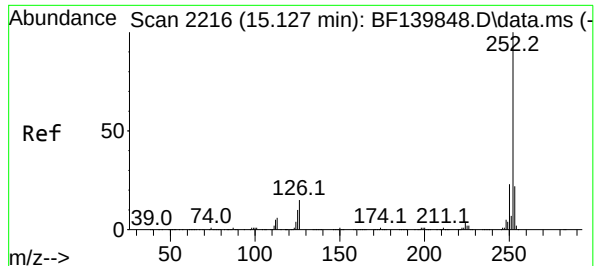
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#88
Benzo(b)fluoranthene
Concen: 40.343 ng
RT: 15.098 min Scan# 2211
Delta R.T. 0.000 min
Lab File: BF139927.D
Acq: 22 Oct 2024 14:28

Tgt Ion:252 Resp: 836843
Ion Ratio Lower Upper
252 100
253 22.1 17.6 26.4
125 9.8 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 34.223 ng

RT: 15.127 min Scan# 2216

Delta R.T. 0.000 min

Lab File: BF139927.D

Acq: 22 Oct 2024 14:28

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:252 Resp: 61223

Ion Ratio Lower Upper

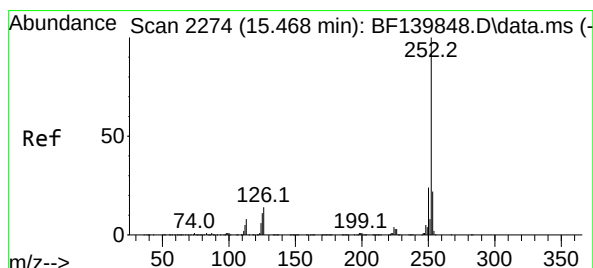
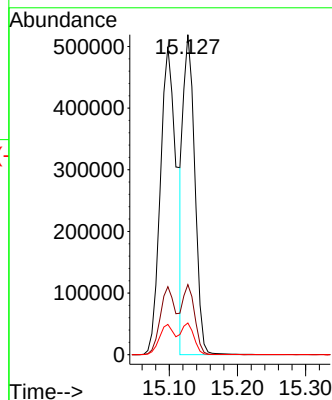
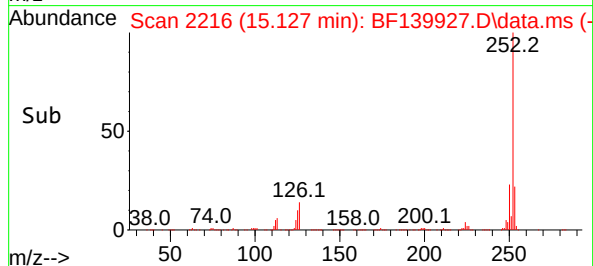
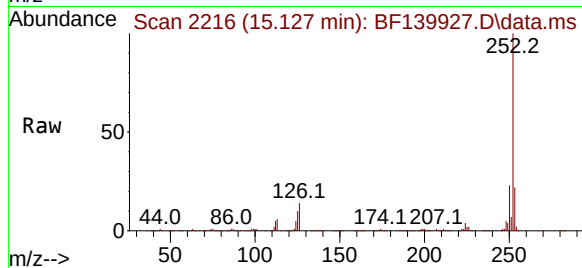
252 100

253 21.9 17.6 26.4

125 9.9 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

#90

Benzo(a)pyrene

Concen: 40.203 ng

RT: 15.468 min Scan# 2274

Delta R.T. 0.000 min

Lab File: BF139927.D

Acq: 22 Oct 2024 14:28

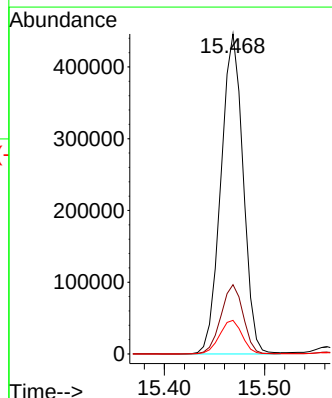
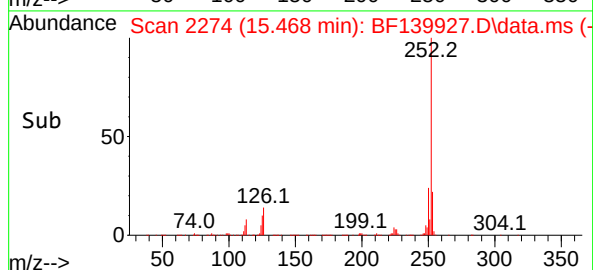
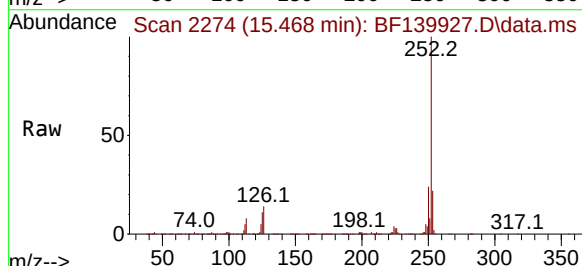
Tgt Ion:252 Resp: 686191

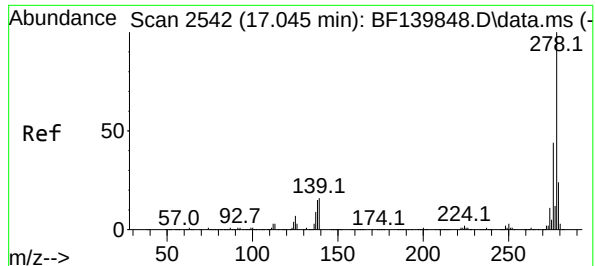
Ion Ratio Lower Upper

252 100

253 21.7 17.3 25.9

125 10.5 8.7 13.1





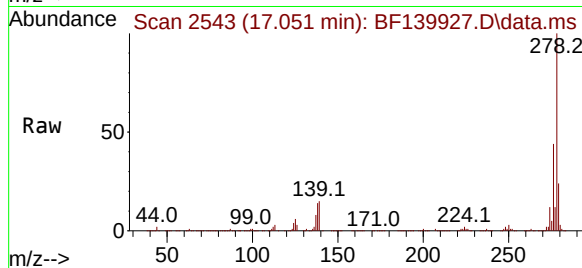
#91
Dibenzo(a,h)anthracene
Concen: 44.216 ng
RT: 17.051 min Scan# 2542
Delta R.T. 0.006 min
Lab File: BF139927.D
Acq: 22 Oct 2024 14:28

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

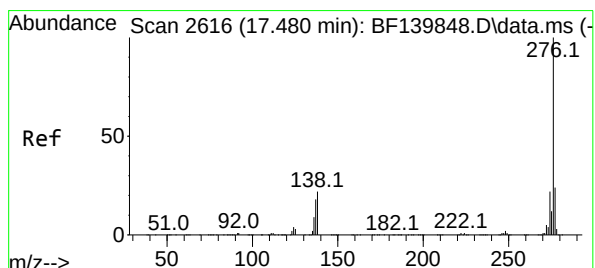
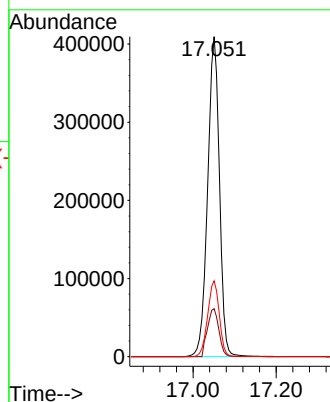
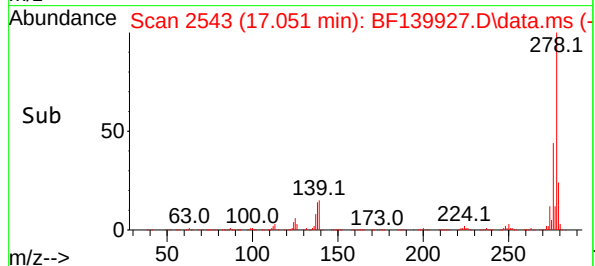


Tgt Ion:278 Resp: 80804
Ion Ratio Lower Upper
278 100
139 15.0 13.1 19.7
279 23.7 19.0 28.4

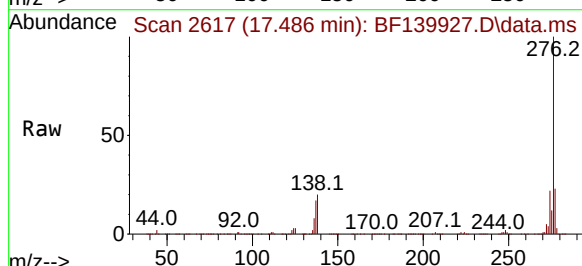
Manual Integrations

APPROVED

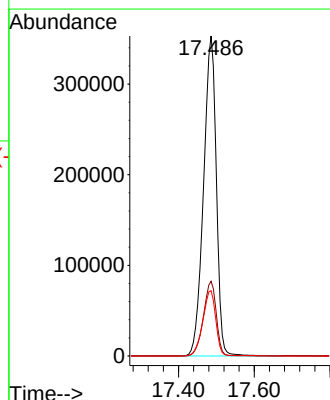
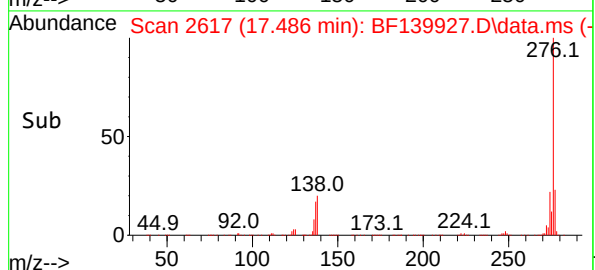
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#92
Benzo(g,h,i)perylene
Concen: 45.241 ng
RT: 17.486 min Scan# 2617
Delta R.T. 0.006 min
Lab File: BF139927.D
Acq: 22 Oct 2024 14:28



Tgt Ion:276 Resp: 825853
Ion Ratio Lower Upper
276 100
277 23.4 19.0 28.6
138 20.4 17.4 26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
 Data File : BF139927.D
 Acq On : 22 Oct 2024 14:28
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Oct 22 14:55:05 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	93	0.00
2	1,4-Dioxane	0.596	0.561	5.9	88	-0.03
3	Pyridine	1.476	1.403	4.9	87	-0.02
4	n-Nitrosodimethylamine	0.793	0.729	8.1	84	-0.02
5 S	2-Fluorophenol	1.278	1.238	3.1	90	0.00
6	Aniline	1.542	1.482	3.9	87	0.00
7 S	Phenol-d6	1.655	1.570	5.1	89	0.00
8	2-Chlorophenol	1.306	1.287	1.5	92	0.00
9	Benzaldehyde	0.931	0.957	-2.8	95	0.00
10 C	Phenol	1.706	1.639	3.9	89	0.00
11	bis(2-Chloroethyl)ether	1.319	1.272	3.6	92	0.00
12	1,3-Dichlorobenzene	1.499	1.471	1.9	91	0.00
13 C	1,4-Dichlorobenzene	1.498	1.477	1.4	93	0.00
14	1,2-Dichlorobenzene	1.398	1.374	1.7	93	0.00
15	Benzyl Alcohol	1.214	1.161	4.4	89	0.00
16	2,2'-oxybis(1-Chloropropane	2.248	2.090	7.0	86	0.00
17	2-Methylphenol	1.114	1.070	3.9	89	0.00
18	Hexachloroethane	0.534	0.531	0.6	92	0.00
19 P	n-Nitroso-di-n-propylamine	1.004	0.934	7.0	89	0.00
20	3+4-Methylphenols	1.424	1.367	4.0	90	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	91	0.00
22	Acetophenone	0.490	0.474	3.3	90	0.00
23 S	Nitrobenzene-d5	0.361	0.377	-4.4	93	0.00
24	Nitrobenzene	0.396	0.401	-1.3	91	0.00
25	Isophorone	0.685	0.658	3.9	88	0.00
26 C	2-Nitrophenol	0.149	0.178	-19.5	103	0.00
27	2,4-Dimethylphenol	0.249	0.243	2.4	89	0.00
28	bis(2-Chloroethoxy)methane	0.415	0.406	2.2	90	0.00
29 C	2,4-Dichlorophenol	0.283	0.285	-0.7	92	0.00
30	1,2,4-Trichlorobenzene	0.314	0.321	-2.2	93	0.00
31	Naphthalene	1.031	1.017	1.4	91	0.00
32	Benzoic acid	0.217	0.236	-8.8	98	0.00
33	4-Chloroaniline	0.352	0.346	1.7	90	0.00
34 C	Hexachlorobutadiene	0.197	0.204	-3.6	95	0.00
35	Caprolactam	0.090	0.086	4.4	85	0.00
36 C	4-Chloro-3-methylphenol	0.314	0.306	2.5	89	0.00
37	2-Methylnaphthalene	0.632	0.625	1.1	92	0.00
38	1-Methylnaphthalene	0.620	0.613	1.1	91	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	90	0.00
40	1,2,4,5-Tetrachlorobenzene	0.540	0.557	-3.1	93	0.00
41 P	Hexachlorocyclopentadiene	0.188	0.217	-15.4	98	0.00
42 S	2,4,6-Tribromophenol	0.187	0.201	-7.5	96	0.00
43 C	2,4,6-Trichlorophenol	0.382	0.396	-3.7	92	0.00
44	2,4,5-Trichlorophenol	0.394	0.423	-7.4	95	0.00
45 S	2-Fluorobiphenyl	1.210	1.202	0.7	93	0.00
46	1,1'-Biphenyl	1.392	1.411	-1.4	92	0.00
47	2-Chloronaphthalene	1.121	1.140	-1.7	92	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
 Data File : BF139927.D
 Acq On : 22 Oct 2024 14:28
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Oct 22 14:55:05 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	2-Nitroaniline	0.343	0.368	-7.3	90	0.00
49	Acenaphthylene	1.621	1.627	-0.4	90	0.00
50	Dimethylphthalate	1.246	1.230	1.3	89	0.00
51	2,6-Dinitrotoluene	0.270	0.289	-7.0	93	0.00
52 C	Acenaphthene	1.049	1.066	-1.6	92	0.00
53	3-Nitroaniline	0.278	0.287	-3.2	88	0.00
54 P	2,4-Dinitrophenol	0.093	0.132	-41.9#	117	0.00
55	Dibenzofuran	1.505	1.499	0.4	91	0.00
56 P	4-Nitrophenol	0.214	0.223	-4.2	86	0.00
57	2,4-Dinitrotoluene	0.332	0.373	-12.3	94	0.00
58	Fluorene	1.146	1.117	2.5	90	0.00
59	2,3,4,6-Tetrachlorophenol	0.309	0.321	-3.9	93	0.00
60	Diethylphthalate	1.223	1.185	3.1	88	0.00
61	4-Chlorophenyl-phenylether	0.579	0.580	-0.2	91	0.00
62	4-Nitroaniline	0.263	0.268	-1.9	87	0.00
63	Azobenzene	1.297	1.236	4.7	85	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	87	0.00
65	4,6-Dinitro-2-methylphenol	0.082	0.112	-36.6#	111	0.00
66 c	n-Nitrosodiphenylamine	0.599	0.598	0.2	87	0.00
67	4-Bromophenyl-phenylether	0.206	0.216	-4.9	93	0.00
68	Hexachlorobenzene	0.232	0.239	-3.0	90	0.00
69	Atrazine	0.162	0.155	4.3	77	0.00
70 C	Pentachlorophenol	0.141	0.160	-13.5	92	0.00
71	Phenanthrene	0.945	0.925	2.1	86	0.00
72	Anthracene	0.922	0.916	0.7	87	0.00
73	Carbazole	0.857	0.810	5.5	83	0.00
74	Di-n-butylphthalate	0.990	0.919	7.2	79	0.00
75 C	Fluoranthene	0.955	0.874	8.5	81	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	79	0.00
77	Benزيدine	0.329	0.591	-79.6#	127	0.00
78	Pyrene	1.751	1.852	-5.8	81	0.00
79 S	Terphenyl-d14	1.227	1.269	-3.4	80	0.00
80	Butylbenzylphthalate	0.525	0.539	-2.7	77	0.00
81	Benzo(a)anthracene	1.302	1.303	-0.1	77	0.00
82	3,3'-Dichlorobenzidine	0.380	0.452	-18.9	92	0.00
83	Chrysene	1.194	1.167	2.3	79	0.00
84	Bis(2-ethylhexyl)phthalate	0.589	0.693	-17.7	87	0.00
85 c	Di-n-octyl phthalate	1.071	1.312	-22.5#	91	0.00
86 I	Perylene-d12	1.000	1.000	0.0	93	0.00
87	Indeno(1,2,3-cd)pyrene	1.287	1.437	-11.7	99	0.00
88	Benzo(b)fluoranthene	1.218	1.229	-0.9	96	0.00
89	Benzo(k)fluoranthene	1.051	0.899	14.5	79	0.00
90 C	Benzo(a)pyrene	1.002	1.008	-0.6	92	0.00
91	Dibenzo(a,h)anthracene	1.073	1.186	-10.5	99	0.00
92	Benzo(g,h,i)perylene	1.072	1.213	-13.2	100	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139927.D
Acq On : 22 Oct 2024 14:28
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 22 14:55:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range

SPCC's out = 0 CCC's out = 1

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
 Data File : BF139927.D
 Acq On : 22 Oct 2024 14:28
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Oct 22 14:55:05 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	93	0.00
2	1,4-Dioxane	40.000	37.647	5.9	88	-0.03
3	Pyridine	40.000	38.005	5.0	87	-0.02
4	n-Nitrosodimethylamine	40.000	36.761	8.1	84	-0.02
5 S	2-Fluorophenol	80.000	77.511	3.1	90	0.00
6	Aniline	40.000	38.429	3.9	87	0.00
7 S	Phenol-d6	80.000	75.900	5.1	89	0.00
8	2-Chlorophenol	40.000	39.422	1.4	92	0.00
9	Benzaldehyde	40.000	41.112	-2.8	95	0.00
10 C	Phenol	40.000	38.441	3.9	89	0.00
11	bis(2-Chloroethyl)ether	40.000	38.587	3.5	92	0.00
12	1,3-Dichlorobenzene	40.000	39.244	1.9	91	0.00
13 C	1,4-Dichlorobenzene	40.000	39.446	1.4	93	0.00
14	1,2-Dichlorobenzene	40.000	39.329	1.7	93	0.00
15	Benzyl Alcohol	40.000	38.272	4.3	89	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	37.186	7.0	86	0.00
17	2-Methylphenol	40.000	38.414	4.0	89	0.00
18	Hexachloroethane	40.000	39.774	0.6	92	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	37.211	7.0	89	0.00
20	3+4-Methylphenols	40.000	38.378	4.1	90	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	91	0.00
22	Acetophenone	40.000	38.675	3.3	90	0.00
23 S	Nitrobenzene-d5	80.000	83.526	-4.4	93	0.00
24	Nitrobenzene	40.000	40.589	-1.5	91	0.00
25	Isophorone	40.000	38.416	4.0	88	0.00
26 C	2-Nitrophenol	40.000	47.753	-19.4	103	0.00
27	2,4-Dimethylphenol	40.000	38.979	2.6	89	0.00
28	bis(2-Chloroethoxy)methane	40.000	39.162	2.1	90	0.00
29 C	2,4-Dichlorophenol	40.000	40.277	-0.7	92	0.00
30	1,2,4-Trichlorobenzene	40.000	40.959	-2.4	93	0.00
31	Naphthalene	40.000	39.428	1.4	91	0.00
32	Benzoic acid	40.000	43.475	-8.7	98	0.00
33	4-Chloroaniline	40.000	39.329	1.7	90	0.00
34 C	Hexachlorobutadiene	40.000	41.500	-3.8	95	0.00
35	Caprolactam	40.000	38.027	4.9	85	0.00
36 C	4-Chloro-3-methylphenol	40.000	39.024	2.4	89	0.00
37	2-Methylnaphthalene	40.000	39.573	1.1	92	0.00
38	1-Methylnaphthalene	40.000	39.548	1.1	91	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	90	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	41.324	-3.3	93	0.00
41 P	Hexachlorocyclopentadiene	40.000	46.288	-15.7	98	0.00
42 S	2,4,6-Tribromophenol	80.000	86.022	-7.5	96	0.00
43 C	2,4,6-Trichlorophenol	40.000	41.430	-3.6	92	0.00
44	2,4,5-Trichlorophenol	40.000	42.944	-7.4	95	0.00
45 S	2-Fluorobiphenyl	80.000	79.459	0.7	93	0.00
46	1,1'-Biphenyl	40.000	40.548	-1.4	92	0.00
47	2-Chloronaphthalene	40.000	40.664	-1.7	92	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
 Data File : BF139927.D
 Acq On : 22 Oct 2024 14:28
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Oct 22 14:55:05 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	42.904	-7.3	90	0.00
49	Acenaphthylene	40.000	40.142	-0.4	90	0.00
50	Dimethylphthalate	40.000	39.488	1.3	89	0.00
51	2,6-Dinitrotoluene	40.000	42.923	-7.3	93	0.00
52 C	Acenaphthene	40.000	40.664	-1.7	92	0.00
53	3-Nitroaniline	40.000	41.250	-3.1	88	0.00
54 P	2,4-Dinitrophenol	40.000	49.904	-24.8	117	0.00
55	Dibenzofuran	40.000	39.854	0.4	91	0.00
56 P	4-Nitrophenol	40.000	41.620	-4.0	86	0.00
57	2,4-Dinitrotoluene	40.000	45.032	-12.6	94	0.00
58	Fluorene	40.000	38.973	2.6	90	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	41.504	-3.8	93	0.00
60	Diethylphthalate	40.000	38.741	3.1	88	0.00
61	4-Chlorophenyl-phenylether	40.000	40.069	-0.2	91	0.00
62	4-Nitroaniline	40.000	40.756	-1.9	87	0.00
63	Azobenzene	40.000	38.128	4.7	85	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	87	0.00
65	4,6-Dinitro-2-methylphenol	40.000	54.716	-36.8#	111	0.00
66 c	n-Nitrosodiphenylamine	40.000	39.956	0.1	87	0.00
67	4-Bromophenyl-phenylether	40.000	41.957	-4.9	93	0.00
68	Hexachlorobenzene	40.000	41.180	-2.9	90	0.00
69	Atrazine	40.000	38.327	4.2	77	0.00
70 C	Pentachlorophenol	40.000	45.613	-14.0	92	0.00
71	Phenanthrene	40.000	39.147	2.1	86	0.00
72	Anthracene	40.000	39.732	0.7	87	0.00
73	Carbazole	40.000	37.779	5.6	83	0.00
74	Di-n-butylphthalate	40.000	37.116	7.2	79	0.00
75 C	Fluoranthene	40.000	36.627	8.4	81	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	79	0.00
77	Benzydine	40.000	71.828	-79.6#	127	0.00
78	Pyrene	40.000	42.314	-5.8	81	0.00
79 S	Terphenyl-d14	80.000	82.682	-3.4	80	0.00
80	Butylbenzylphthalate	40.000	41.091	-2.7	77	0.00
81	Benzo(a)anthracene	40.000	40.026	-0.1	77	0.00
82	3,3'-Dichlorobenzidine	40.000	47.646	-19.1	92	0.00
83	Chrysene	40.000	39.091	2.3	79	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	47.106	-17.8	87	0.00
85 c	Di-n-octyl phthalate	40.000	48.986	-22.5#	91	0.00
86 I	Perylene-d12	20.000	20.000	0.0	93	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	44.668	-11.7	99	0.00
88	Benzo(b)fluoranthene	40.000	40.343	-0.9	96	0.00
89	Benzo(k)fluoranthene	40.000	34.223	14.4	79	0.00
90 C	Benzo(a)pyrene	40.000	40.203	-0.5	92	0.00
91	Dibenzo(a,h)anthracene	40.000	44.216	-10.5	99	0.00
92	Benzo(g,h,i)perylene	40.000	45.241	-13.1	100	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139927.D
Acq On : 22 Oct 2024 14:28
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 22 14:55:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 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: SCHE03

Lab Code: CHEM Case No.: P4385 SAS No.: P4385 SDG No.: P4385

Instrument ID: BNA_F Calibration Date/Time: 10/23/2024 15:30

Lab File ID: BF139965.D Init. Calib. Date(s): 10/18/2024 10/18/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:27 13:46

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.278	1.233		-3.5	
Benzaldehyde	0.931	0.939		0.9	
Phenol-d6	1.655	1.579		-4.6	
Phenol	1.706	1.663		-2.5	20.0
bis(2-Chloroethyl)ether	1.319	1.273		-3.5	
2-Chlorophenol	1.306	1.291		-1.1	
2-Methylphenol	1.114	1.099		-1.3	
2,2-oxybis(1-Chloropropane)	2.248	2.018		-10.2	
Acetophenone	0.490	0.467		-4.7	
3+4-Methylphenols	1.424	1.388		-2.5	
n-Nitroso-di-n-propylamine	1.004	0.918	0.050	-8.6	
Nitrobenzene-d5	0.361	0.370		2.5	
Hexachloroethane	0.534	0.530		-0.7	
Nitrobenzene	0.396	0.391		-1.3	
Isophorone	0.685	0.651		-5.0	
2-Nitrophenol	0.149	0.175		17.5	20.0
2,4-Dimethylphenol	0.249	0.239		-4.0	
bis(2-Chloroethoxy)methane	0.415	0.397		-4.3	
2,4-Dichlorophenol	0.283	0.283		0.0	20.0
Naphthalene	1.031	1.011		-1.9	
4-Chloroaniline	0.352	0.340		-3.4	
Hexachlorobutadiene	0.197	0.199		1.0	20.0
Caprolactam	0.090	0.092		2.2	
4-Chloro-3-methylphenol	0.314	0.308		-1.9	20.0
2-Methylnaphthalene	0.632	0.618		-2.2	
Hexachlorocyclopentadiene	0.188	0.193	0.050	2.7	
2,4,6-Trichlorophenol	0.382	0.381		-0.3	20.0
2-Fluorobiphenyl	1.210	1.169		-3.4	
2,4,5-Trichlorophenol	0.394	0.415		5.3	
1,1-Biphenyl	1.392	1.351		-2.9	
2-Chloronaphthalene	1.121	1.097		-2.1	
2-Nitroaniline	0.343	0.369		7.6	
Dimethylphthalate	1.246	1.226		-1.6	
Acenaphthylene	1.621	1.588		-2.0	
2,6-Dinitrotoluene	0.270	0.289		7.0	
3-Nitroaniline	0.278	0.292		5.0	
Acenaphthene	1.049	1.051		0.2	20.0
2,4-Dinitrophenol	0.093	0.139	0.050	49.5	
4-Nitrophenol	0.214	0.228	0.050	6.5	



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: SCHE03

Lab Code: CHEM Case No.: P4385 SAS No.: P4385 SDG No.: P4385

Instrument ID: BNA_F Calibration Date/Time: 10/23/2024 15:30

Lab File ID: BF139965.D Init. Calib. Date(s): 10/18/2024 10/18/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:27 13:46

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.505	1.458		-3.1	
2,4-Dinitrotoluene	0.332	0.379		14.2	
Diethylphthalate	1.223	1.211		-1.0	
4-Chlorophenyl-phenylether	0.579	0.574		-0.9	
Fluorene	1.146	1.118		-2.4	
4-Nitroaniline	0.263	0.280		6.5	
4,6-Dinitro-2-methylphenol	0.082	0.112		36.6	
n-Nitrosodiphenylamine	0.599	0.583		-2.7	20.0
2,4,6-Tribromophenol	0.187	0.204		9.1	
4-Bromophenyl-phenylether	0.206	0.211		2.4	
Hexachlorobenzene	0.232	0.234		0.9	
Atrazine	0.162	0.166		2.5	
Pentachlorophenol	0.141	0.157		11.3	20.0
Phenanthrene	0.945	0.920		-2.6	
Anthracene	0.922	0.894		-3.0	
Carbazole	0.857	0.815		-4.9	
Di-n-butylphthalate	0.990	0.956		-3.4	
Fluoranthene	0.955	0.893		-6.5	20.0
Pyrene	1.751	1.731		-1.1	
Terphenyl-d14	1.227	1.227		0.0	
Butylbenzylphthalate	0.525	0.540		2.9	
3,3-Dichlorobenzidine	0.380	0.447		17.6	
Benzo (a) anthracene	1.302	1.293		-0.7	
Chrysene	1.194	1.157		-3.1	
Bis(2-ethylhexyl)phthalate	0.589	0.666		13.1	
Di-n-octyl phthalate	1.071	1.198		11.9	20.0
Benzo (b) fluoranthene	1.218	1.083		-11.1	
Benzo (k) fluoranthene	1.051	1.048		-0.3	
Benzo (a) pyrene	1.002	0.978		-2.4	20.0
Indeno (1,2,3-cd) pyrene	1.287	1.280		-0.5	
Dibenzo (a,h) anthracene	1.073	1.060		-1.2	
Benzo (g,h,i) perylene	1.072	1.053		-1.8	
1,2,4,5-Tetrachlorobenzene	0.540	0.540		0.0	
1,4-Dioxane	0.596	0.581		-2.5	20.0
2,3,4,6-Tetrachlorophenol	0.309	0.324		4.9	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
 Data File : BF139965.D
 Acq On : 23 Oct 2024 15:30
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/24/2024

Supervised By :mohammad ahmed 10/24/2024

Quant Time: Oct 23 16:12:41 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Oct 18 15:07:50 2024

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	159858	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	611382	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	340124	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	597021	20.000	ng	0.00
76) Chrysene-d12	14.057	240	306092	20.000	ng	0.00
86) Perylene-d12	15.533	264	358871	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	788397	77.208	ng	0.00
7) Phenol-d6	6.510	99	1009467	76.328	ng	0.00
23) Nitrobenzene-d5	7.451	82	905794	82.113	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	278197	87.444	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	1590284	77.274	ng	0.00
79) Terphenyl-d14	12.998	244	1502801	80.002	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.669	88	185845	39.035	ng	95
3) Pyridine	3.434	79	459716	38.955	ng	97
4) n-Nitrosodimethylamine	3.381	42	230654	36.378	ng	95
6) Aniline	6.551	93	475331	38.564	ng	98
8) 2-Chlorophenol	6.675	128	412600	39.524	ng	99
9) Benzaldehyde	6.440	77	300182	40.347	ng	98
10) Phenol	6.528	94	531818m	39.005	ng	
11) bis(2-Chloroethyl)ether	6.628	93	406978	38.618	ng	99
12) 1,3-Dichlorobenzene	6.834	146	472163	39.402	ng	98
13) 1,4-Dichlorobenzene	6.910	146	474523	39.636	ng	99
14) 1,2-Dichlorobenzene	7.063	146	442180	39.574	ng	99
15) Benzyl Alcohol	7.028	79	367781	37.910	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.163	45	645310	35.911	ng	97
17) 2-Methylphenol	7.134	107	351315	39.467	ng	99
18) Hexachloroethane	7.404	117	169360	39.670	ng	97
19) n-Nitroso-di-n-propyla...	7.304	70	293648	36.609	ng	96
20) 3+4-Methylphenols	7.287	107	443838	38.982	ng	100
22) Acetophenone	7.298	105	571315	38.152	ng	97
24) Nitrobenzene	7.475	77	478277	39.545	ng	97
25) Isophorone	7.710	82	795494	37.995	ng	100
26) 2-Nitrophenol	7.787	139	213698	46.836	ng	95
27) 2,4-Dimethylphenol	7.816	122	292012	38.382	ng	100
28) bis(2-Chloroethoxy)met...	7.922	93	485228	38.252	ng	99
29) 2,4-Dichlorophenol	8.022	162	346373	39.971	ng	99
30) 1,2,4-Trichlorobenzene	8.116	180	379629	39.591	ng	99
31) Naphthalene	8.198	128	1236297	39.208	ng	100
32) Benzoic acid	7.922	122	295264	44.497	ng	96
33) 4-Chloroaniline	8.239	127	415421	38.637	ng	98
34) Hexachlorobutadiene	8.310	225	243614	40.436	ng	99
35) Caprolactam	8.610	113	112811	40.942	ng	91
36) 4-Chloro-3-methylphenol	8.716	107	376721	39.260	ng	97
37) 2-Methylnaphthalene	8.886	142	755327	39.114	ng	100
38) 1-Methylnaphthalene	8.986	142	735901	38.841	ng	99
40) 1,2,4,5-Tetrachloroben...	9.051	216	367476	40.047	ng	99
41) Hexachlorocyclopentadiene	9.039	237	131046	41.044	ng	99
43) 2,4,6-Trichlorophenol	9.157	196	259164	39.893	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
 Data File : BF139965.D
 Acq On : 23 Oct 2024 15:30
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/24/2024

Supervised By :mohammad ahmed 10/24/2024

Quant Time: Oct 23 16:12:41 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Oct 18 15:07:50 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	282398	42.132	ng	97
46) 1,1'-Biphenyl	9.351	154	919167	38.820	ng	99
47) 2-Chloronaphthalene	9.375	162	746122	39.125	ng	100
48) 2-Nitroaniline	9.463	65	251224	43.073	ng	96
49) Acenaphthylene	9.792	152	1080134	39.178	ng	99
50) Dimethylphthalate	9.651	163	833862	39.360	ng	100
51) 2,6-Dinitrotoluene	9.710	165	196730	42.888	ng	94
52) Acenaphthene	9.963	154	714969	40.088	ng	99
53) 3-Nitroaniline	9.875	138	198559	41.975	ng	97
54) 2,4-Dinitrophenol	9.981	184	94482	52.057	ng	# 1
55) Dibenzofuran	10.133	168	991506	38.748	ng	99
56) 4-Nitrophenol	10.022	139	155364	42.690	ng	98
57) 2,4-Dinitrotoluene	10.110	165	257878	45.716	ng	96
58) Fluorene	10.475	166	760625	39.027	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	220241	41.916	ng	96
60) Diethylphthalate	10.345	149	823444	39.586	ng	99
61) 4-Chlorophenyl-phenyle...	10.469	204	390596	39.685	ng	97
62) 4-Nitroaniline	10.486	138	190350	42.606	ng	97
63) Azobenzene	10.628	77	834020	37.820	ng	97
65) 4,6-Dinitro-2-methylph...	10.516	198	133203	54.698	ng	94
66) n-Nitrosodiphenylamine	10.586	169	696657	38.988	ng	99
67) 4-Bromophenyl-phenylether	10.957	248	251419	40.878	ng	98
68) Hexachlorobenzene	11.022	284	279424	40.396	ng	99
69) Atrazine	11.110	200	198207	40.949	ng	99
70) Pentachlorophenol	11.216	266	187195	44.591	ng	99
71) Phenanthrene	11.439	178	1098645	38.958	ng	99
72) Anthracene	11.492	178	1067309	38.790	ng	100
73) Carbazole	11.645	167	973648	38.049	ng	99
74) Di-n-butylphthalate	11.975	149	1141943	38.625	ng	100
75) Fluoranthene	12.627	202	1066456	37.408	ng	99
77) Benzidine	12.745	184	315575	62.699	ng	100
78) Pyrene	12.857	202	1059713	39.552	ng	100
80) Butylbenzylphthalate	13.474	149	330514	41.146	ng	99
81) Benzo(a)anthracene	14.045	228	791290	39.712	ng	99
82) 3,3'-Dichlorobenzidine	14.004	252	273674	47.107	ng	99
83) Chrysene	14.080	228	708425	38.777	ng	100
84) Bis(2-ethylhexyl)phtha...	14.033	149	407600	45.227	ng	100
85) Di-n-octyl phthalate	14.645	149	733157	44.726	ng	97
87) Indeno(1,2,3-cd)pyrene	17.027	276	918984	39.805	ng	98
88) Benzo(b)fluoranthene	15.098	252	777166	35.551	ng	100
89) Benzo(k)fluoranthene	15.127	252	752337	39.905	ng	99
90) Benzo(a)pyrene	15.468	252	702054	39.029	ng	99
91) Dibenzo(a,h)anthracene	17.051	278	760841	39.504	ng	98
92) Benzo(g,h,i)perylene	17.480	276	756017	39.298	ng	100

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

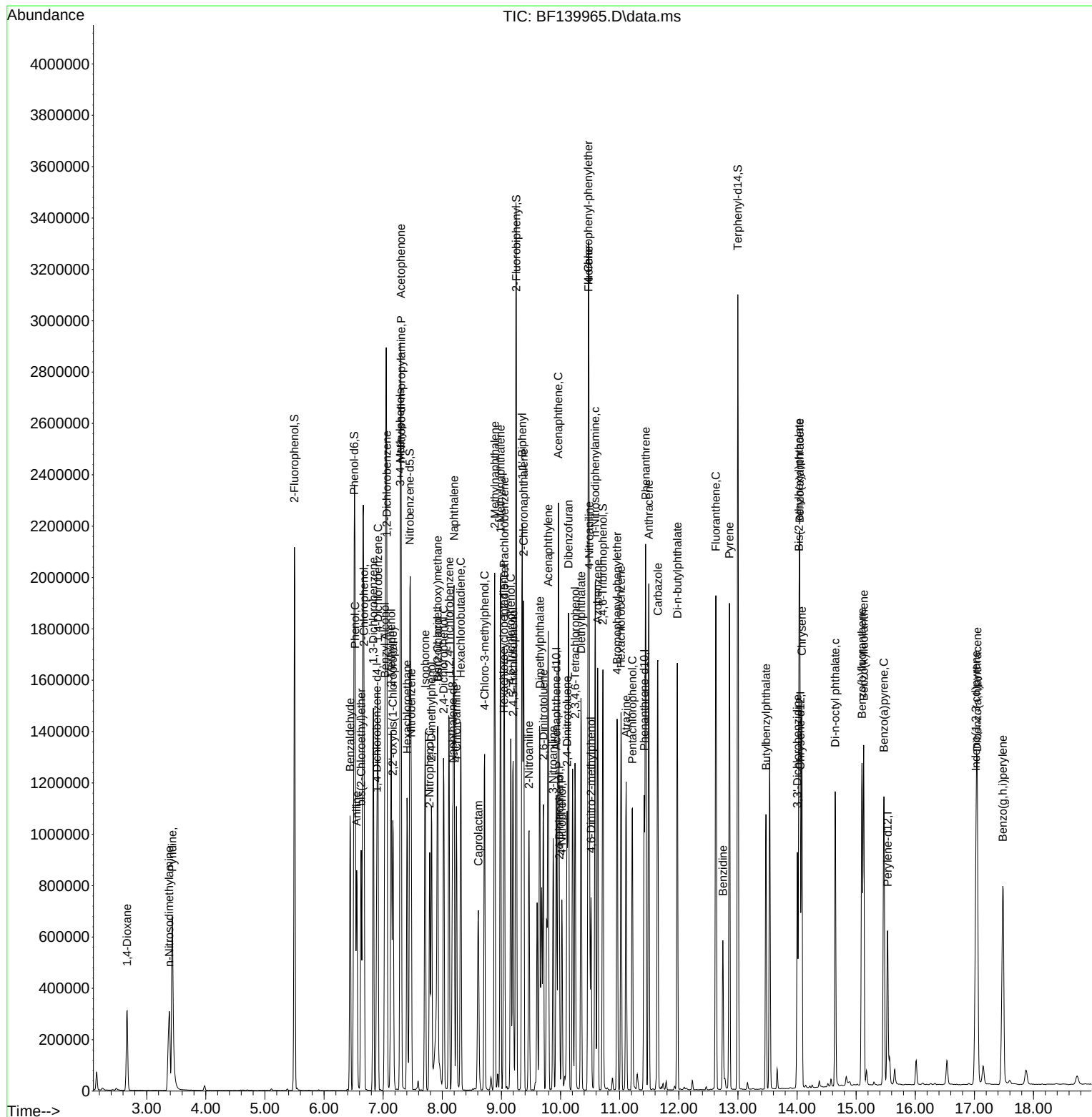
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Data File : BF139965.D  
Acq On    : 23 Oct 2024  15:30  
Operator  : RC/JU  
Sample    : SSTDCCC040  
Misc      :  
ALS Vial  : 2    Sample Multiplier: 1
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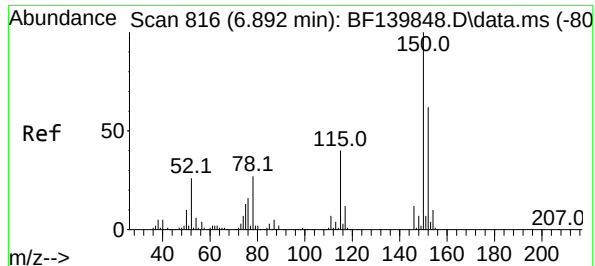
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations

Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

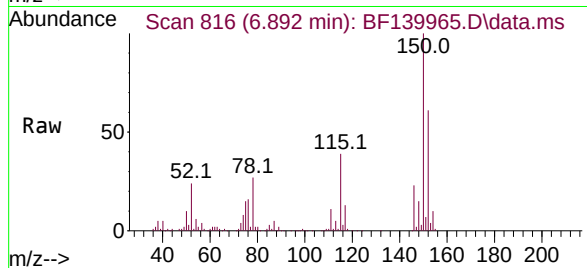
Quant Time: Oct 23 16:12:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

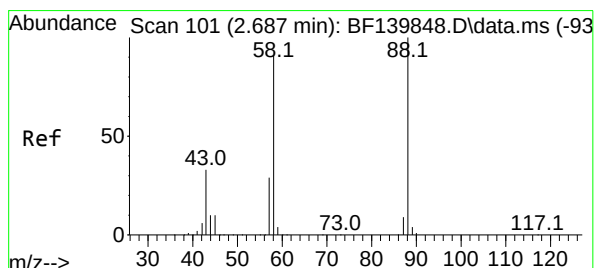
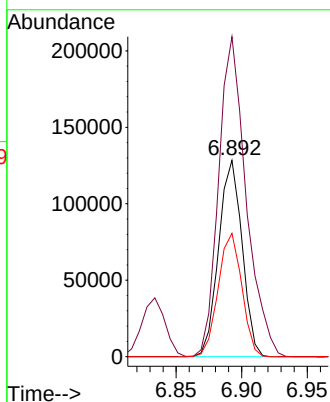
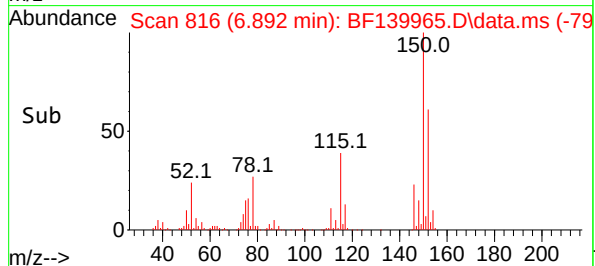
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:152 Resp: 15985
Ion Ratio Lower Upper
152 100
150 163.0 130.2 195.2
115 62.9 51.4 77.2

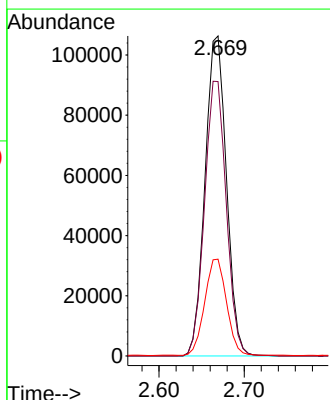
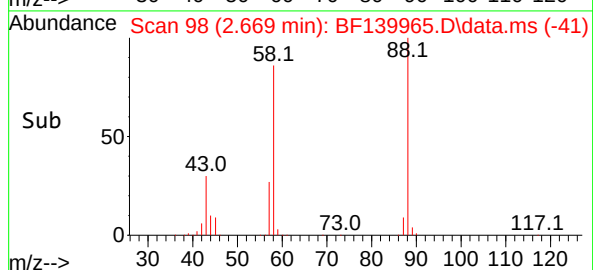
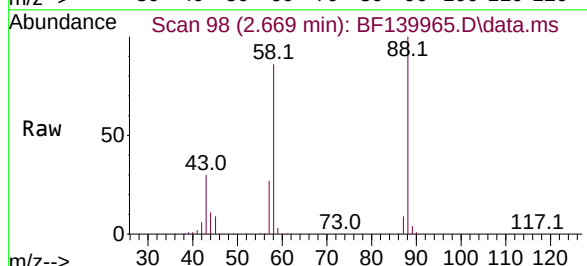
Manual Integrations
APPROVED

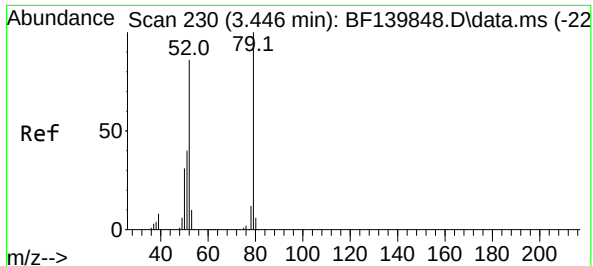
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024



#2
1,4-Dioxane
Concen: 39.035 ng
RT: 2.669 min Scan# 98
Delta R.T. -0.018 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

Tgt Ion: 88 Resp: 185845
Ion Ratio Lower Upper
88 100
58 87.2 73.3 109.9
43 30.5 27.1 40.7





#3

Pyridine

Concen: 38.955 ng

RT: 3.434 min Scan# 219

Delta R.T. -0.012 min

Lab File: BF139965.D

Acq: 23 Oct 2024 15:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 79 Resp: 459710

Ion Ratio Lower Upper

79 100

52 81.5 68.5 102.7

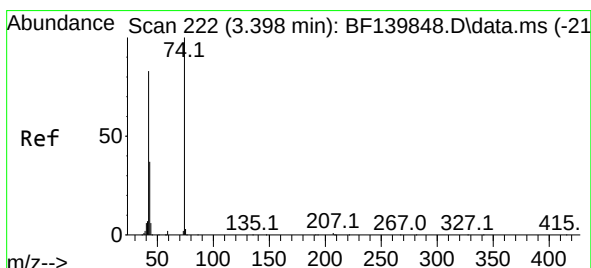
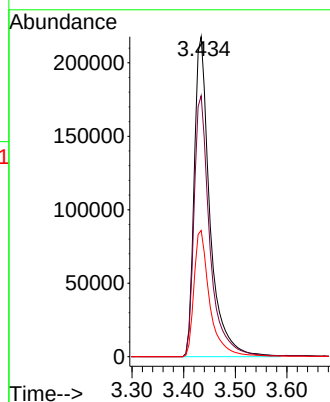
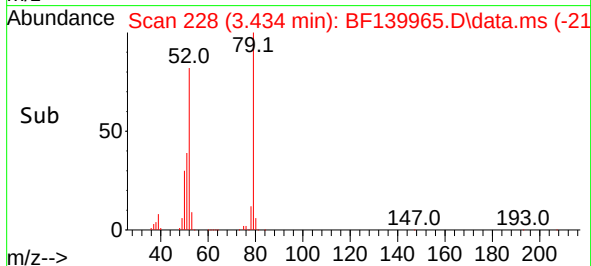
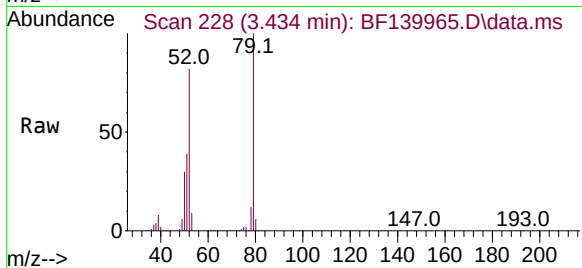
51 39.4 32.3 48.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/24/2024

Supervised By :mohammad ahmed 10/24/2024



#4

n-Nitrosodimethylamine

Concen: 36.378 ng

RT: 3.381 min Scan# 219

Delta R.T. -0.018 min

Lab File: BF139965.D

Acq: 23 Oct 2024 15:30

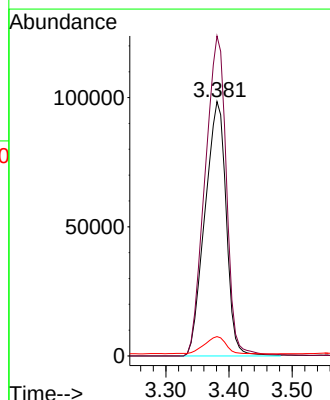
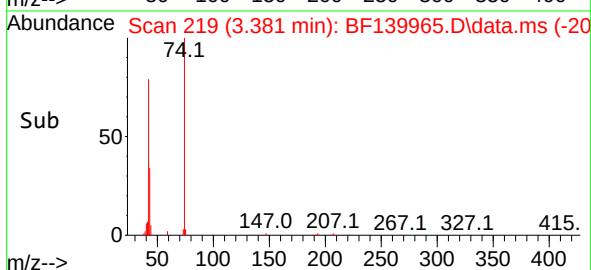
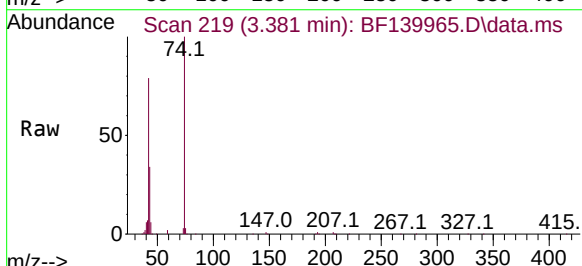
Tgt Ion: 42 Resp: 230654

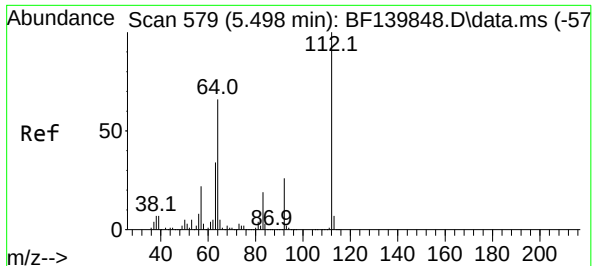
Ion Ratio Lower Upper

42 100

74 125.8 96.2 144.4

44 7.6 6.2 9.2





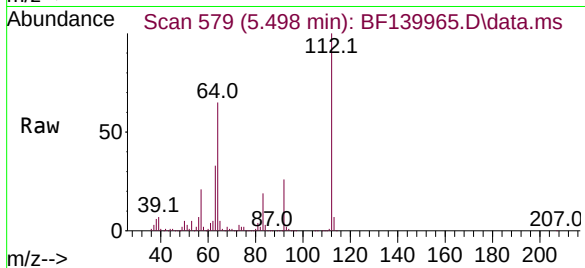
#5
2-Fluorophenol
Concen: 77.208 ng
RT: 5.498 min Scan# 51
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



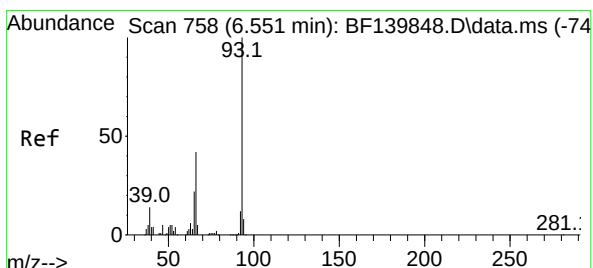
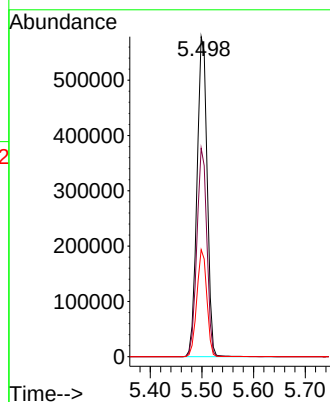
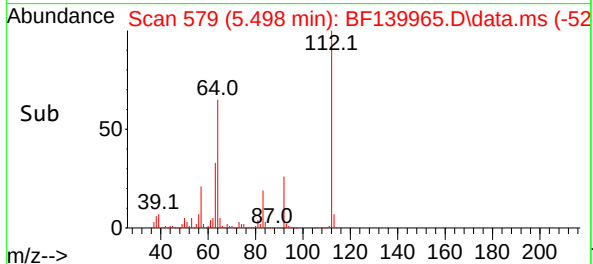
Tgt Ion:112 Resp: 788397
Ion Ratio Lower Upper
112 100
64 65.1 53.0 79.6
63 33.5 27.0 40.4

Manual Integrations

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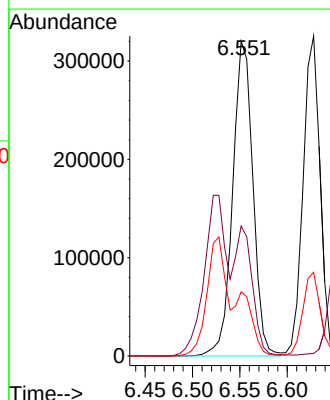
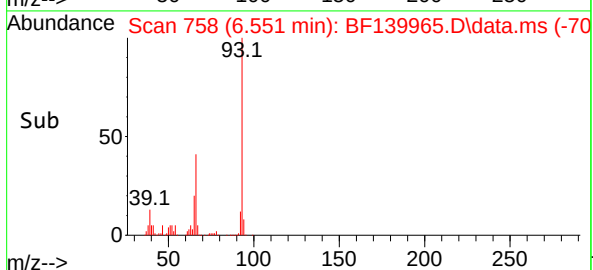
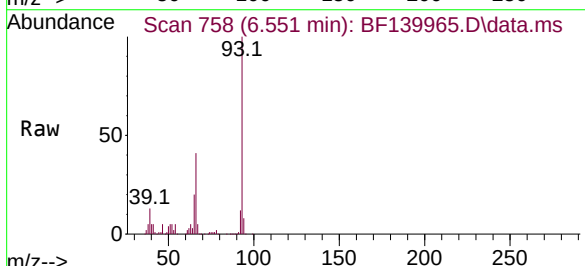
Reviewed By :Yogesh Patel 10/24/2024

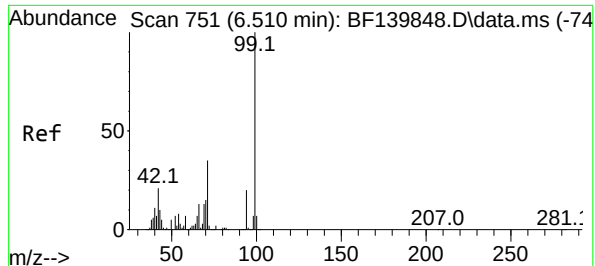
Supervised By :mohammad ahmed 10/24/2024



#6
Aniline
Concen: 38.564 ng
RT: 6.551 min Scan# 758
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

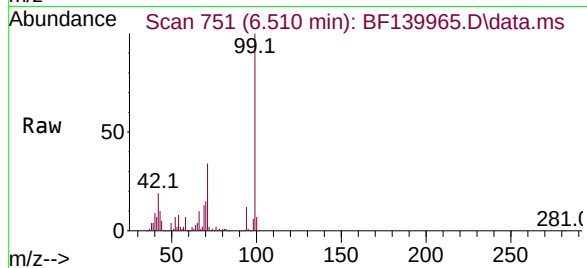
Tgt Ion: 93 Resp: 475331
Ion Ratio Lower Upper
93 100
66 41.3 34.0 51.0
65 20.4 17.4 26.0





#7
Phenol-d6
Concen: 76.328 ng
RT: 6.510 min Scan# 751
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

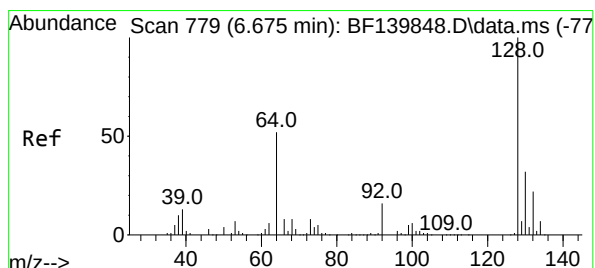
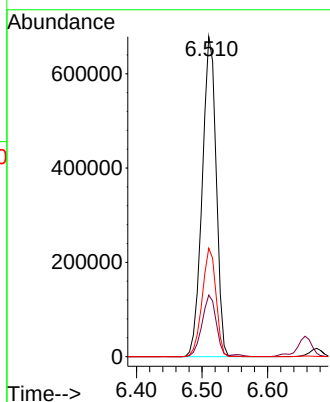
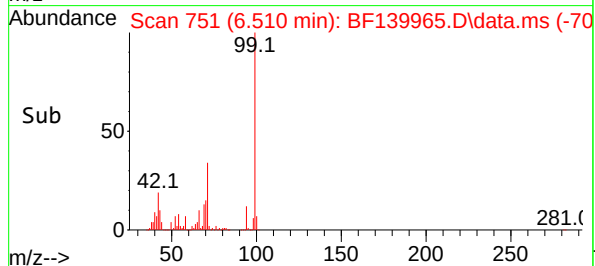
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion: 99 Resp: 100946
Ion Ratio Lower Upper
99 100
42 19.2 16.7 25.1
71 33.9 27.7 41.5

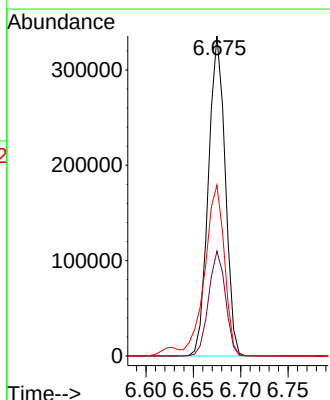
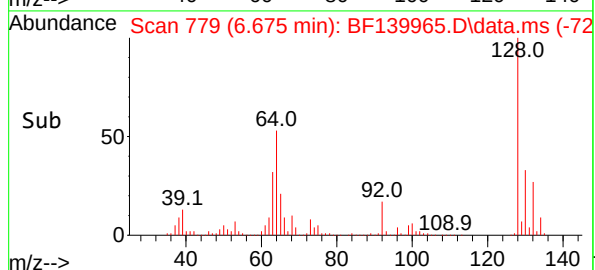
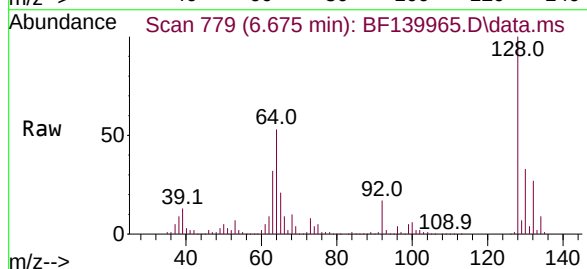
Manual Integrations
APPROVED

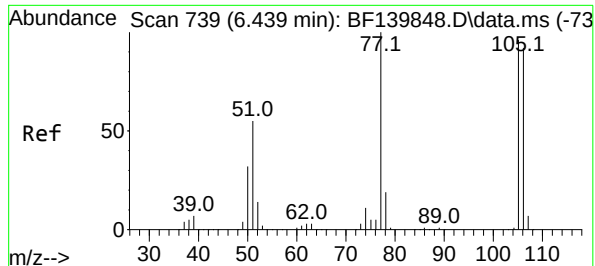
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024



#8
2-Chlorophenol
Concen: 39.524 ng
RT: 6.675 min Scan# 779
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

Tgt Ion:128 Resp: 412600
Ion Ratio Lower Upper
128 100
130 32.7 12.3 52.3
64 53.4 34.6 74.6





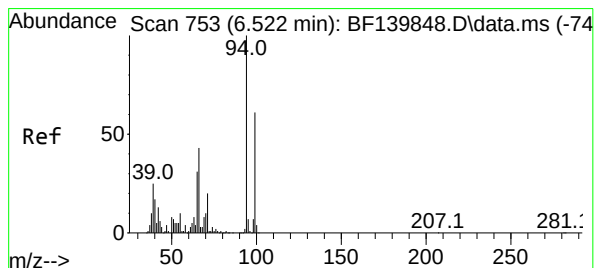
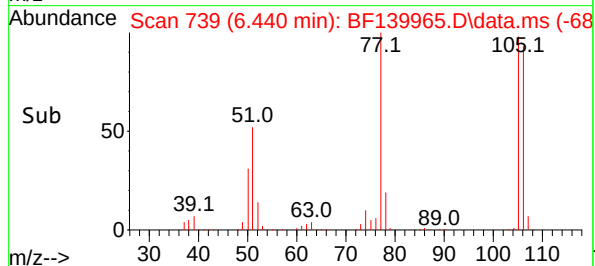
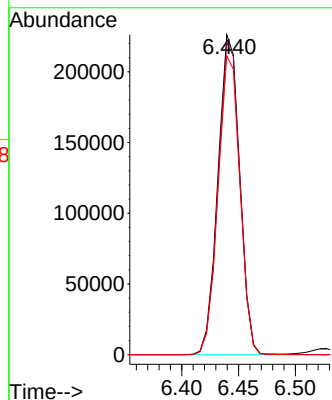
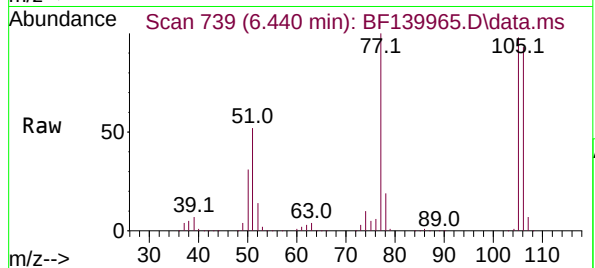
#9
Benzaldehyde
Concen: 40.347 ng
RT: 6.440 min Scan# 71
Delta R.T. 0.001 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 30018
Ion Ratio Lower Upper
77 100
105 97.5 75.5 115.5
106 93.4 71.7 111.7

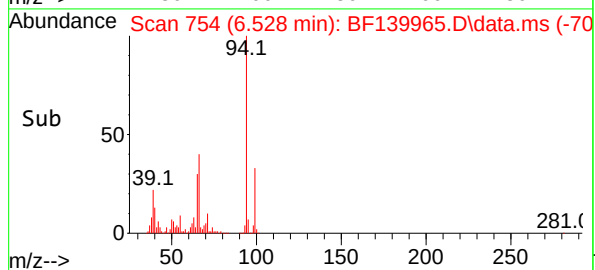
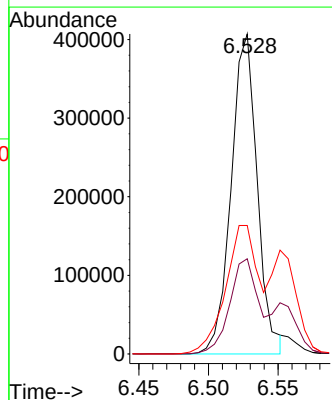
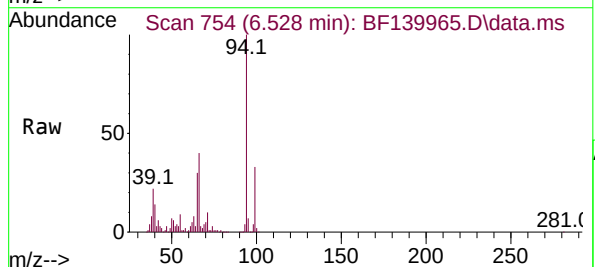
Manual Integrations
APPROVED

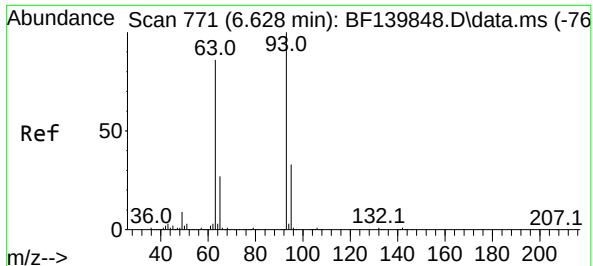
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024



#10
Phenol
Concen: 39.005 ng m
RT: 6.528 min Scan# 754
Delta R.T. 0.006 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

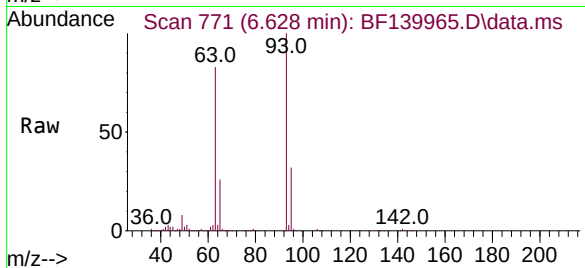
Tgt Ion: 94 Resp: 531818
Ion Ratio Lower Upper
94 100
65 29.8 11.1 51.1
66 40.1 22.7 62.7





#11
bis(2-Chloroethyl)ether
Concen: 38.618 ng
RT: 6.628 min Scan# 771
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

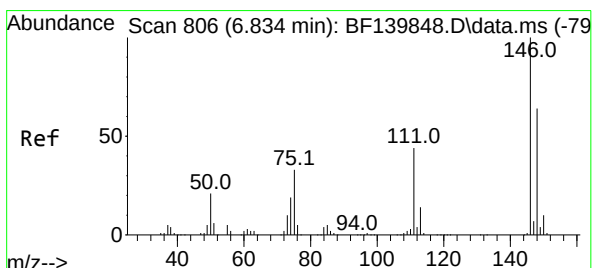
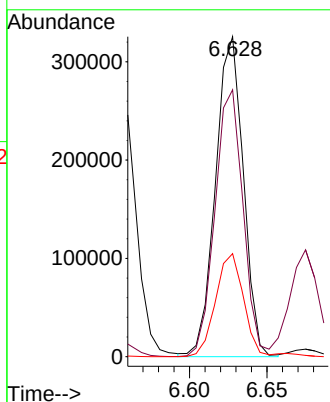
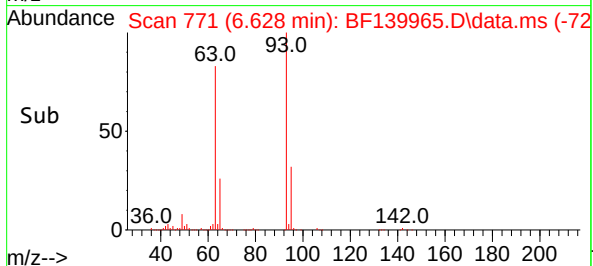
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion: 93 Resp: 406978
Ion Ratio Lower Upper
93 100
63 83.4 65.0 105.0
95 32.2 12.4 52.4

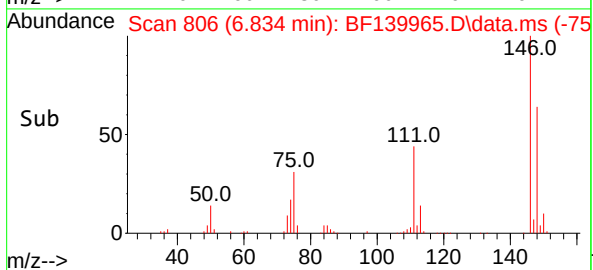
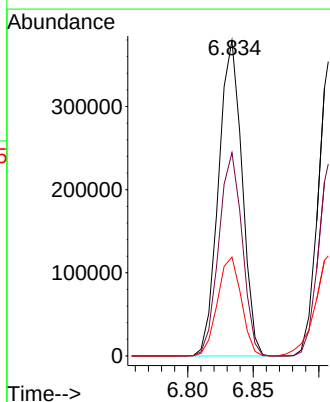
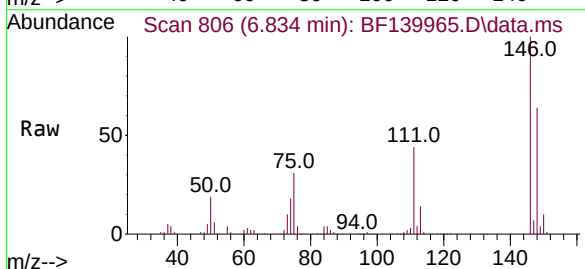
Manual Integrations
APPROVED

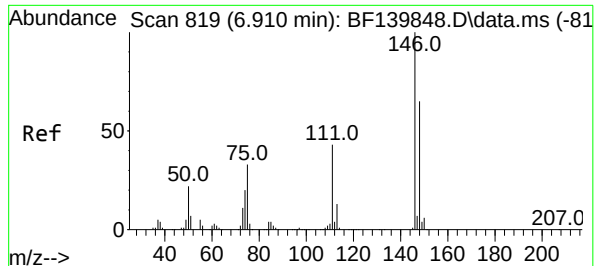
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024



#12
1,3-Dichlorobenzene
Concen: 39.402 ng
RT: 6.834 min Scan# 806
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

Tgt Ion:146 Resp: 472163
Ion Ratio Lower Upper
146 100
148 64.4 51.0 76.4
75 31.3 26.4 39.6





#13

1,4-Dichlorobenzene

Concen: 39.636 ng

RT: 6.910 min Scan# 819

Delta R.T. 0.000 min

Lab File: BF139965.D

Acq: 23 Oct 2024 15:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:146 Resp: 47452

Ion Ratio Lower Upper

146 100

148 65.4 51.8 77.8

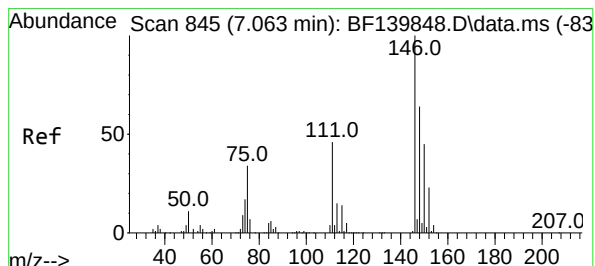
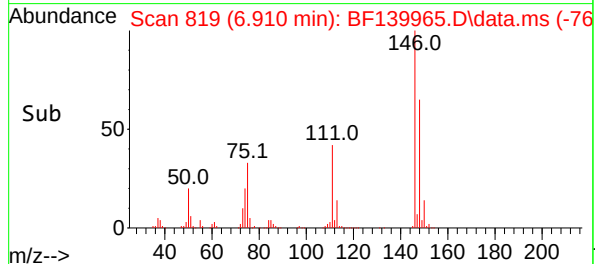
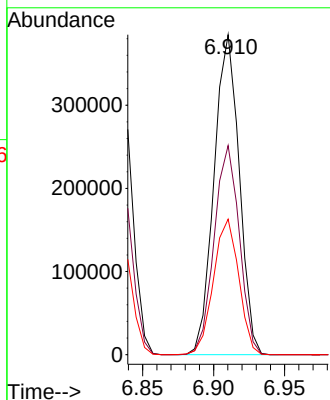
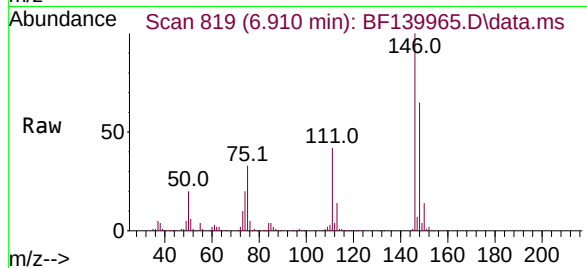
111 42.4 34.6 51.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/24/2024

Supervised By :mohammad ahmed 10/24/2024



#14

1,2-Dichlorobenzene

Concen: 39.574 ng

RT: 7.063 min Scan# 845

Delta R.T. 0.000 min

Lab File: BF139965.D

Acq: 23 Oct 2024 15:30

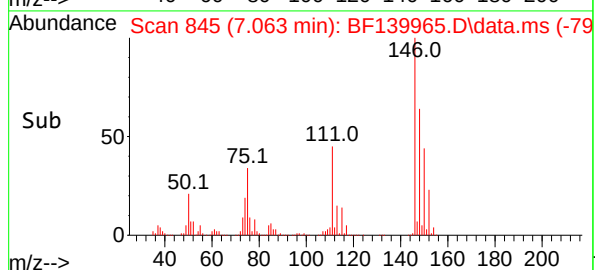
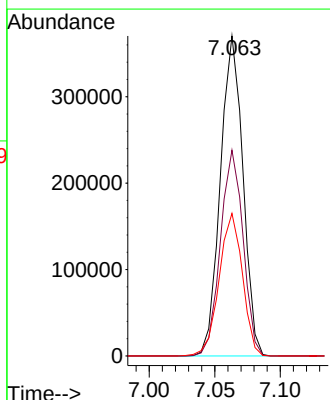
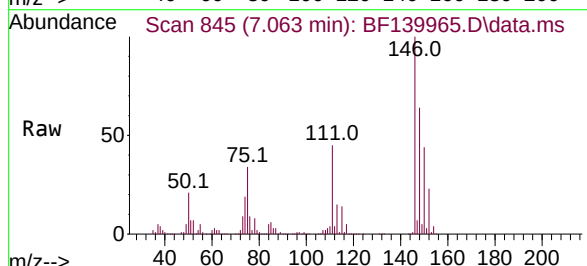
Tgt Ion:146 Resp: 442180

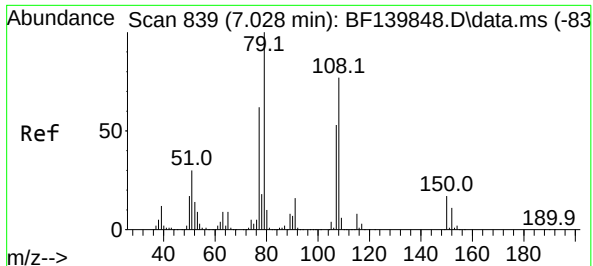
Ion Ratio Lower Upper

146 100

148 64.3 51.4 77.2

111 44.6 36.7 55.1





#15

Benzyl Alcohol

Concen: 37.910 ng

RT: 7.028 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF139965.D

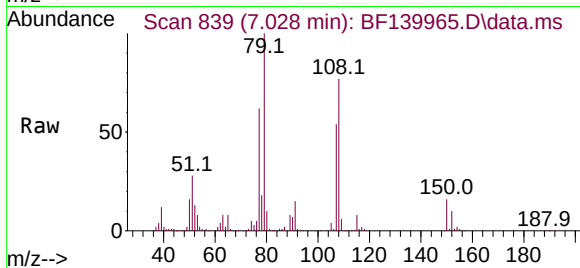
Acq: 23 Oct 2024 15:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion: 79 Resp: 36778

Ion Ratio Lower Upper

79 100

108 76.9 61.4 92.0

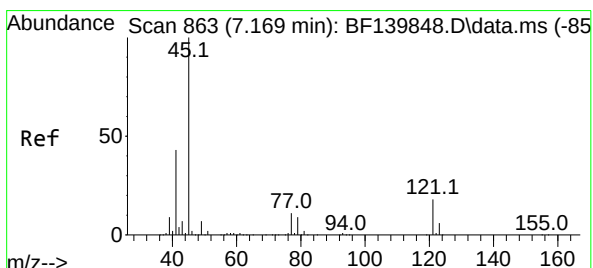
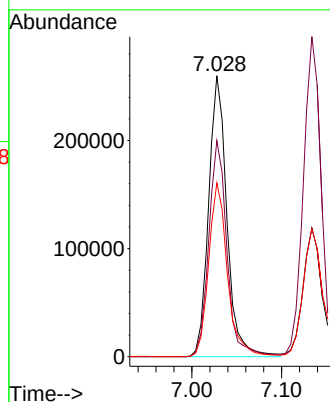
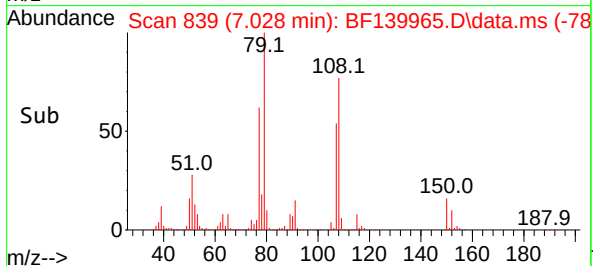
77 61.9 49.9 74.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/24/2024

Supervised By :mohammad ahmed 10/24/2024



#16

2,2'-oxybis(1-Chloropropane)

Concen: 35.911 ng

RT: 7.163 min Scan# 862

Delta R.T. -0.006 min

Lab File: BF139965.D

Acq: 23 Oct 2024 15:30

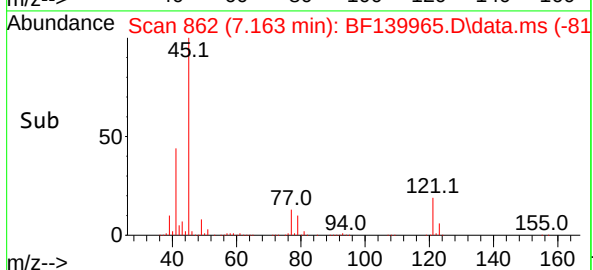
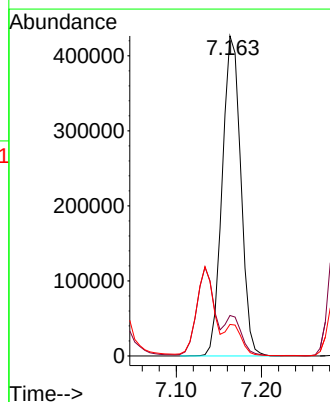
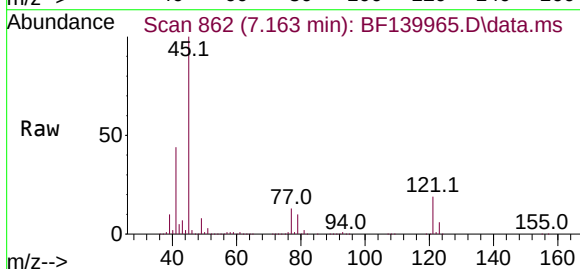
Tgt Ion: 45 Resp: 645310

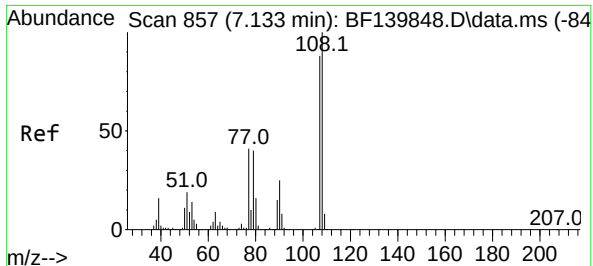
Ion Ratio Lower Upper

45 100

77 12.7 0.0 31.5

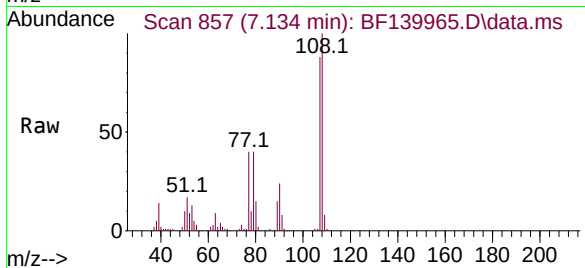
79 9.8 0.0 29.1





#17
2-Methylphenol
Concen: 39.467 ng
RT: 7.134 min Scan# 857
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

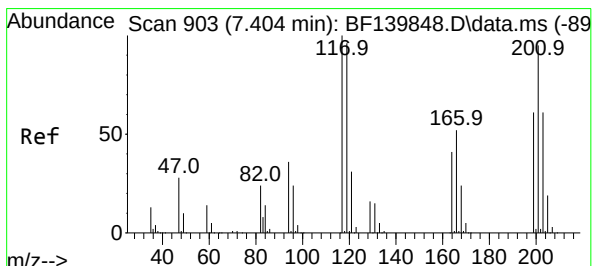
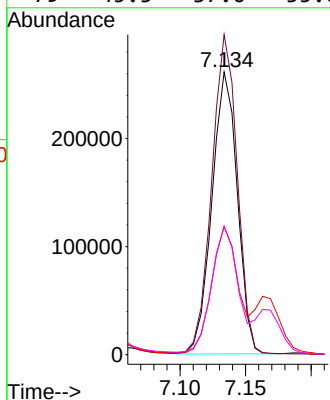
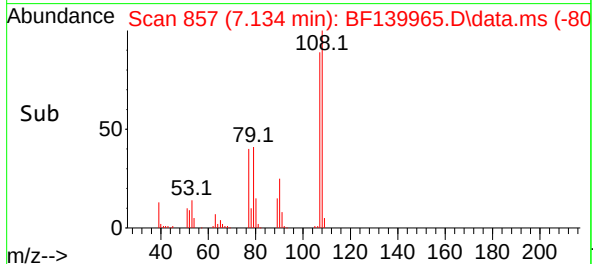
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:107 Resp: 35131
Ion Ratio Lower Upper
107 100
108 113.2 91.3 136.9
77 45.3 37.1 55.7
79 45.5 37.0 55.6

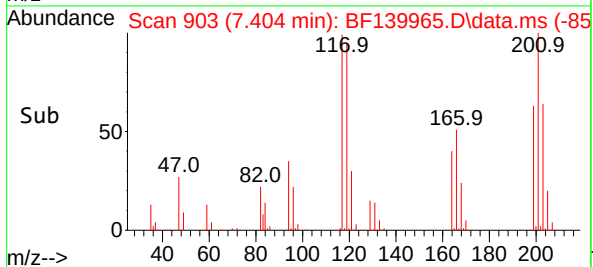
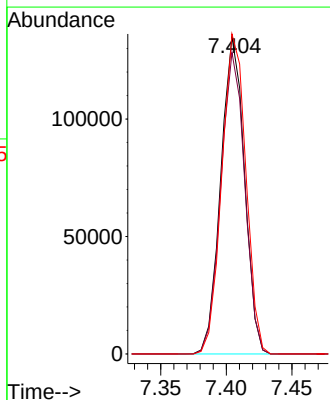
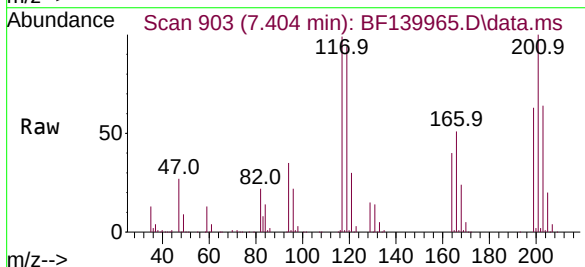
Manual Integrations
APPROVED

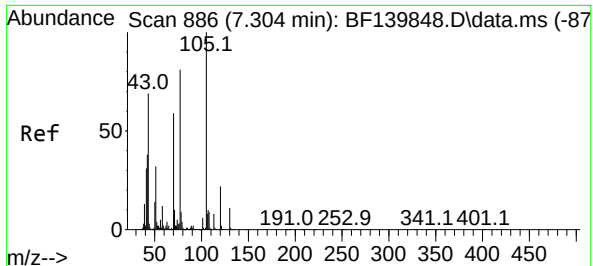
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024



#18
Hexachloroethane
Concen: 39.670 ng
RT: 7.404 min Scan# 903
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

Tgt Ion:117 Resp: 169360
Ion Ratio Lower Upper
117 100
119 95.0 77.0 115.4
201 100.8 76.2 114.4





#19

n-Nitroso-di-n-propylamine

Concen: 36.609 ng

RT: 7.304 min Scan# 886

Delta R.T. 0.000 min

Lab File: BF139965.D

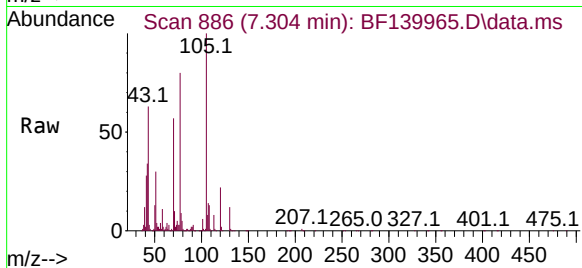
Acq: 23 Oct 2024 15:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion: 70 Resp: 29364

Ion Ratio Lower Upper

70 100

42 60.6 51.5 77.3

101 9.7 7.5 11.3

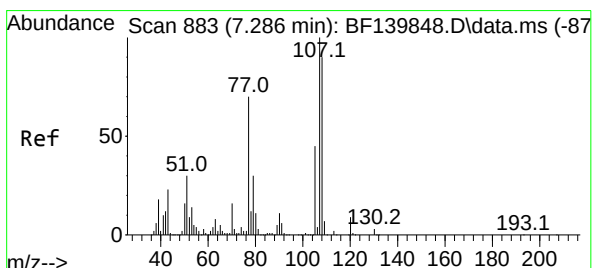
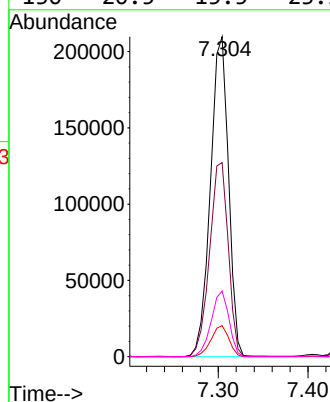
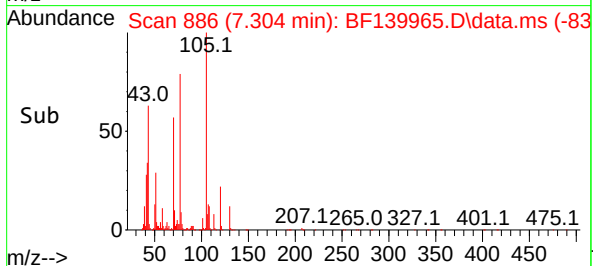
130 20.5 15.5 23.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/24/2024

Supervised By :mohammad ahmed 10/24/2024



#20

3+4-Methylphenols

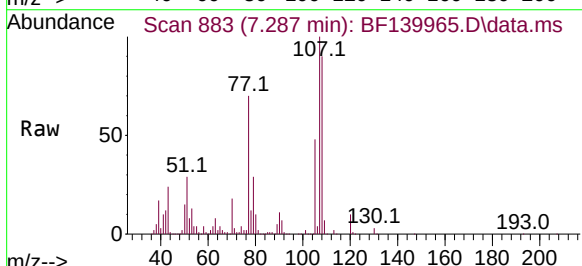
Concen: 38.982 ng

RT: 7.287 min Scan# 883

Delta R.T. 0.000 min

Lab File: BF139965.D

Acq: 23 Oct 2024 15:30



Tgt Ion:107 Resp: 443838

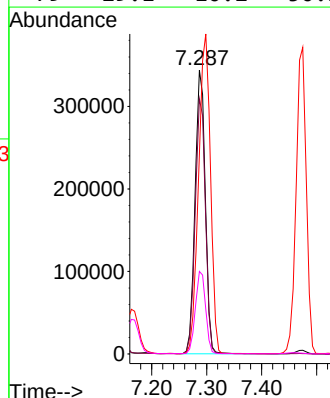
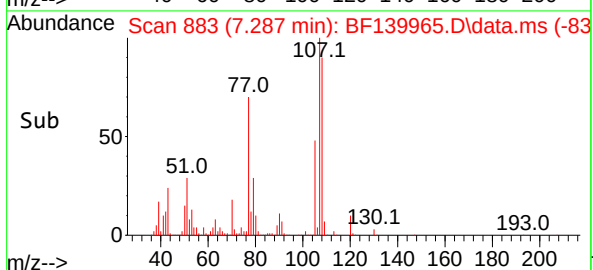
Ion Ratio Lower Upper

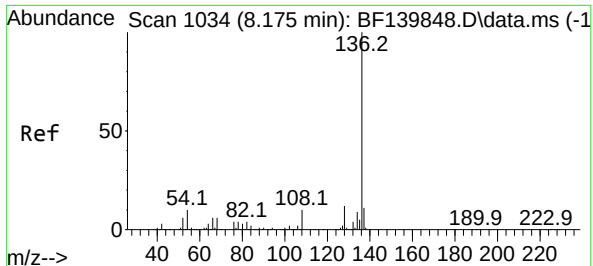
107 100

108 89.9 69.8 109.8

77 70.4 50.5 90.5

79 29.1 10.2 50.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.175 min Scan# 1034

Delta R.T. 0.000 min

Lab File: BF139965.D

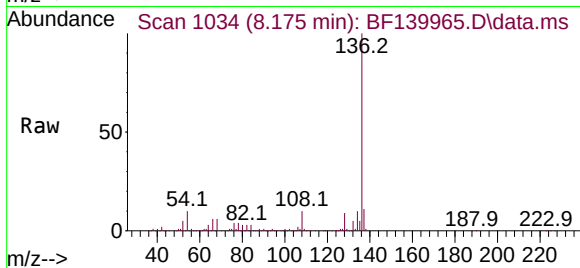
Acq: 23 Oct 2024 15:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:136 Resp: 61138

Ion Ratio Lower Upper

136 100

137 10.9 8.6 12.8

54 9.7 8.4 12.6

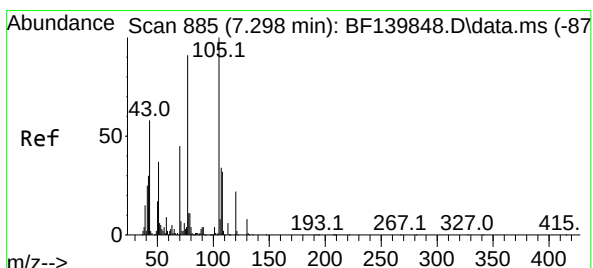
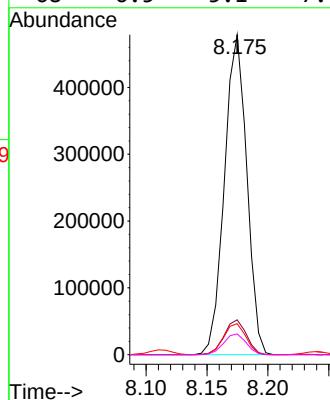
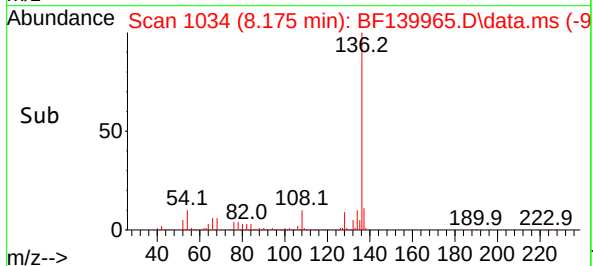
68 6.5 5.1 7.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/24/2024

Supervised By :mohammad ahmed 10/24/2024



#22

Acetophenone

Concen: 38.152 ng

RT: 7.298 min Scan# 885

Delta R.T. 0.000 min

Lab File: BF139965.D

Acq: 23 Oct 2024 15:30

Tgt Ion:105 Resp: 571315

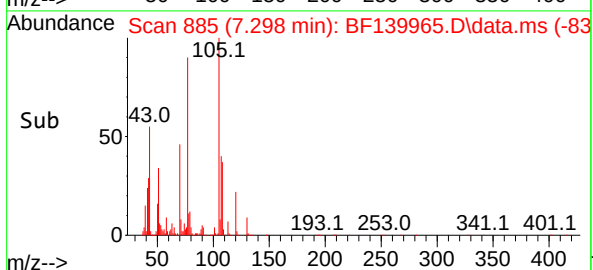
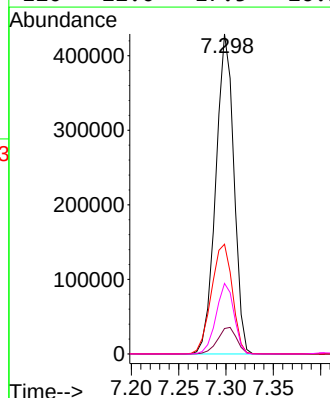
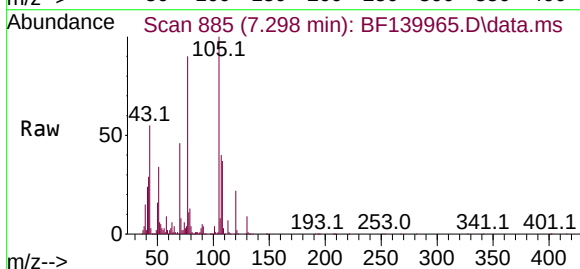
Ion Ratio Lower Upper

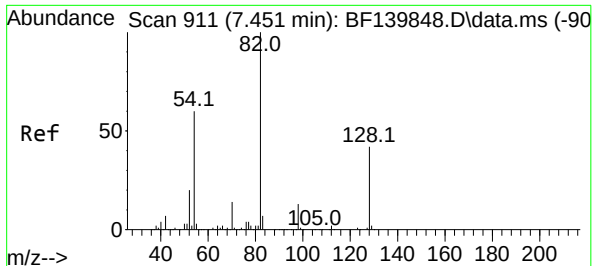
105 100

71 7.9 5.9 8.9

51 34.3 29.4 44.2

120 22.0 17.5 26.3





#23

Nitrobenzene-d5

Concen: 82.113 ng

RT: 7.451 min Scan# 911

Delta R.T. 0.000 min

Lab File: BF139965.D

Acq: 23 Oct 2024 15:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 82 Resp: 905794

Ion Ratio Lower Upper

82 100

128 43.3 33.4 50.0

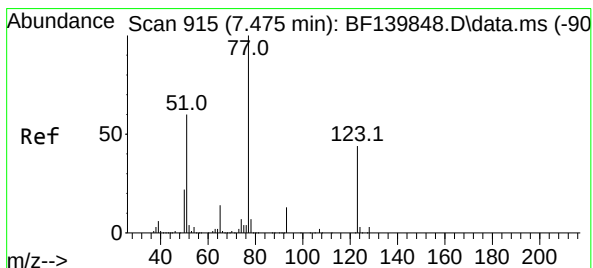
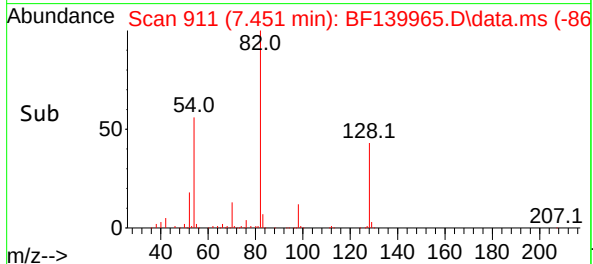
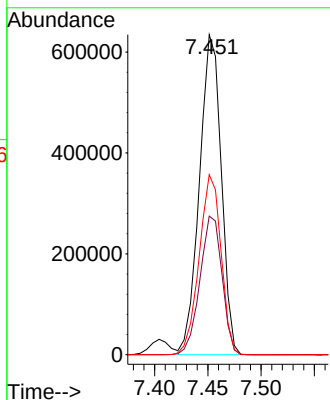
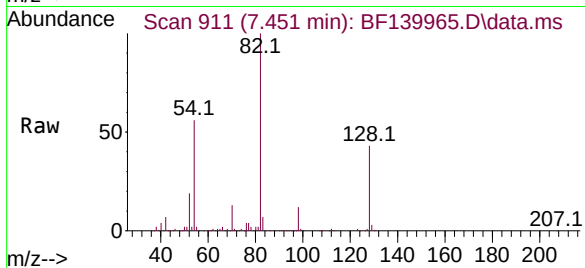
54 56.2 47.8 71.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/24/2024

Supervised By :mohammad ahmed 10/24/2024



#24

Nitrobenzene

Concen: 39.545 ng

RT: 7.475 min Scan# 915

Delta R.T. 0.000 min

Lab File: BF139965.D

Acq: 23 Oct 2024 15:30

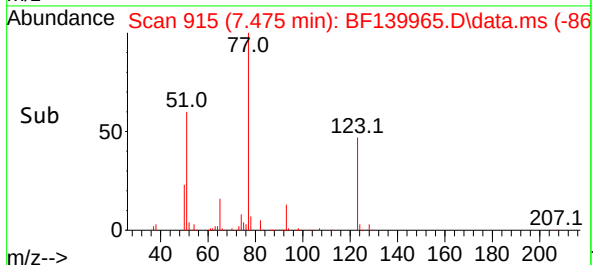
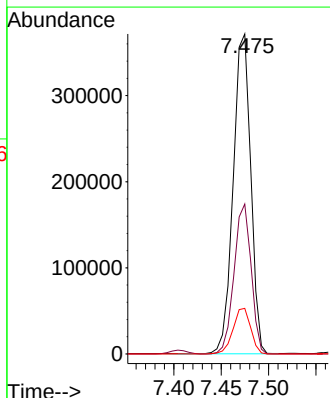
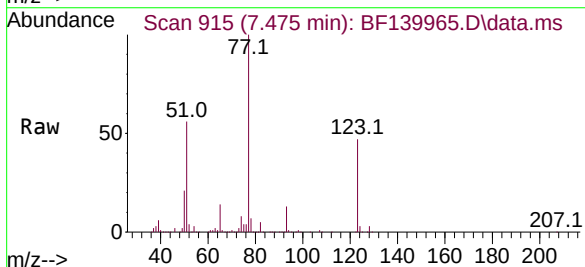
Tgt Ion: 77 Resp: 478277

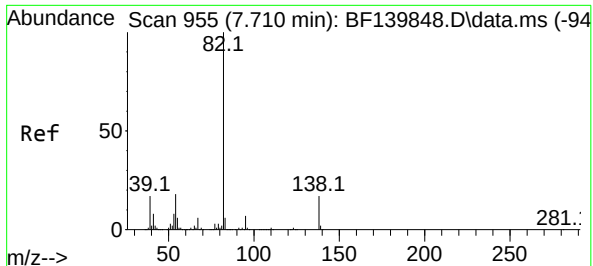
Ion Ratio Lower Upper

77 100

123 46.8 35.7 53.5

65 14.3 11.5 17.3





#25

Isophorone

Concen: 37.995 ng

RT: 7.710 min Scan# 955

Delta R.T. 0.000 min

Lab File: BF139965.D

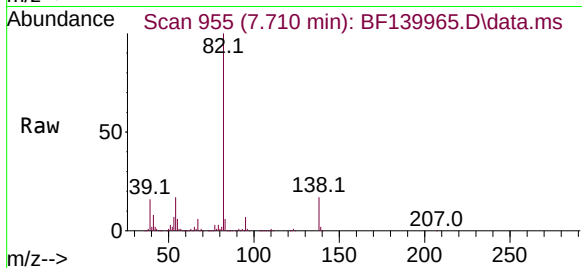
Acq: 23 Oct 2024 15:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

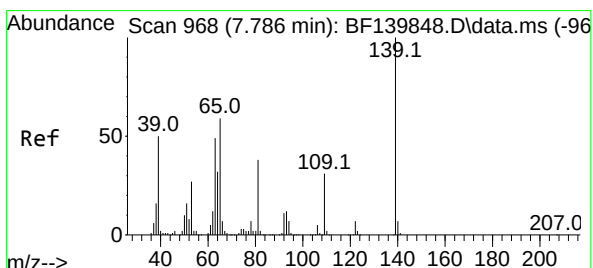
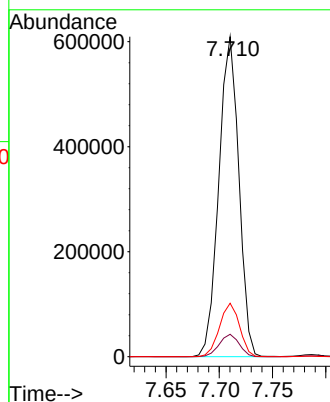
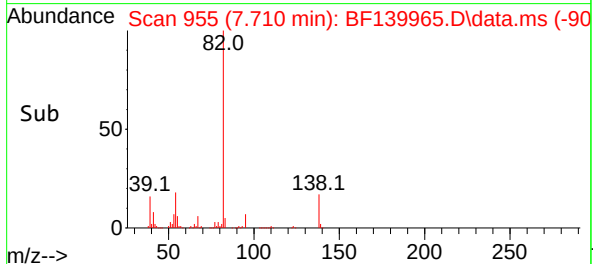


Tgt Ion:	82	Resp:	795494
Ion Ratio	Lower	Upper	
82	100		
95	7.0	5.5	8.3
138	16.7	13.2	19.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024



#26

2-Nitrophenol

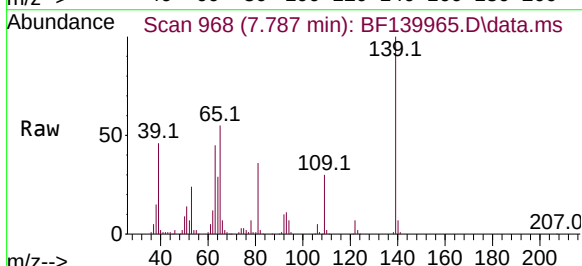
Concen: 46.836 ng

RT: 7.787 min Scan# 968

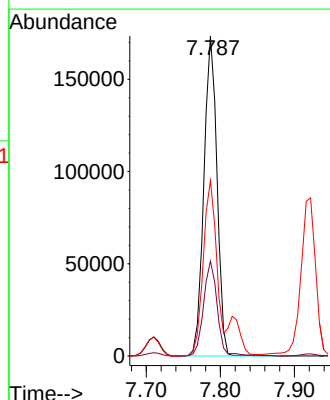
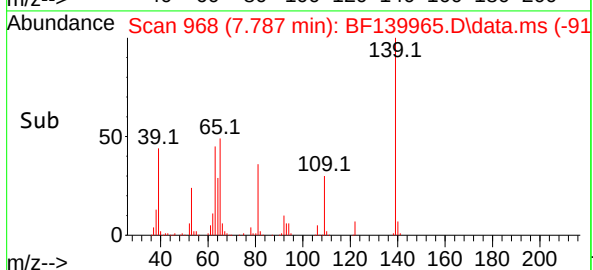
Delta R.T. 0.000 min

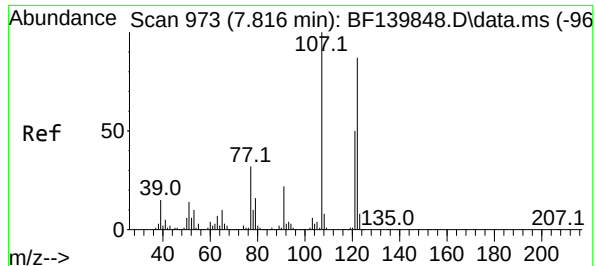
Lab File: BF139965.D

Acq: 23 Oct 2024 15:30



Tgt Ion:	139	Resp:	213698
Ion Ratio	Lower	Upper	
139	100		
109	29.7	25.1	37.7
65	54.9	47.5	71.3





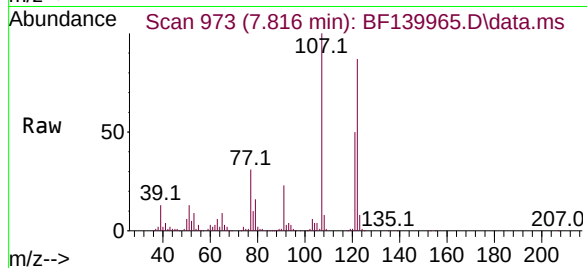
#27
2,4-Dimethylphenol
Concen: 38.382 ng
RT: 7.816 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

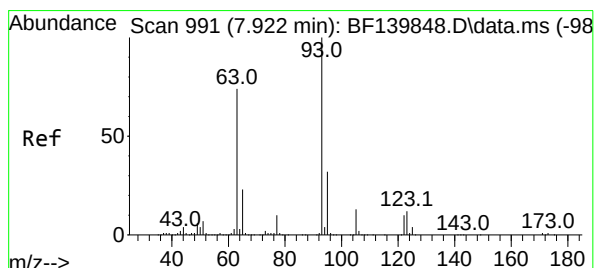
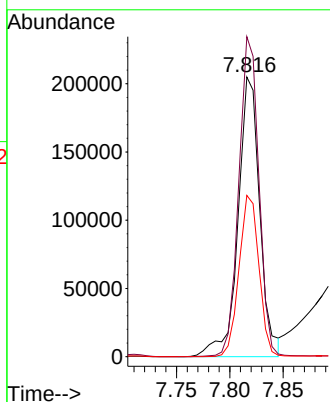
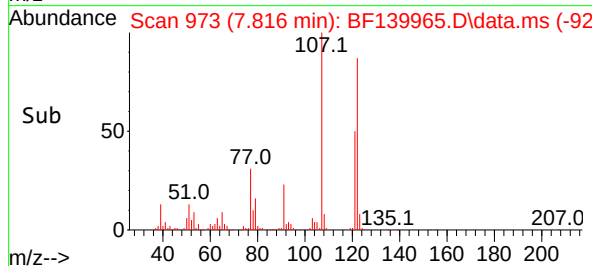


Tgt Ion:122 Resp: 29201
Ion Ratio Lower Upper
122 100
107 114.4 91.9 137.9
121 57.7 46.2 69.4

Manual Integrations

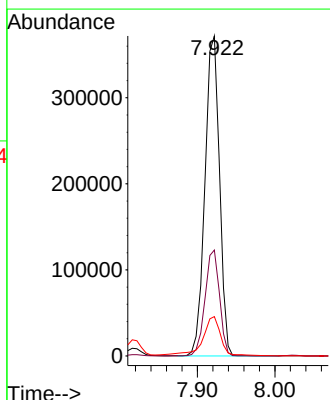
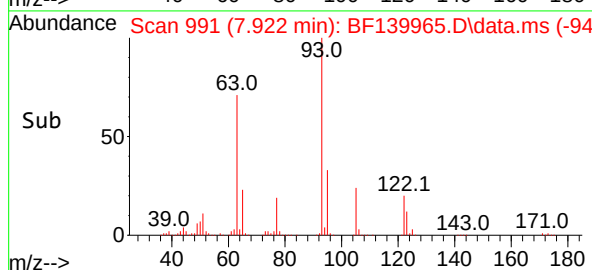
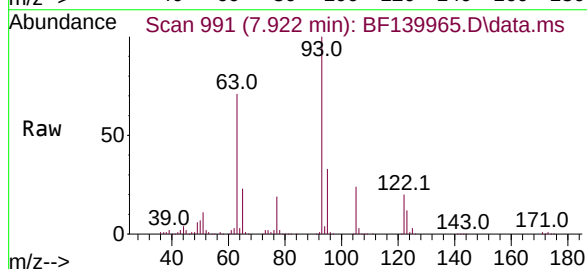
APPROVED

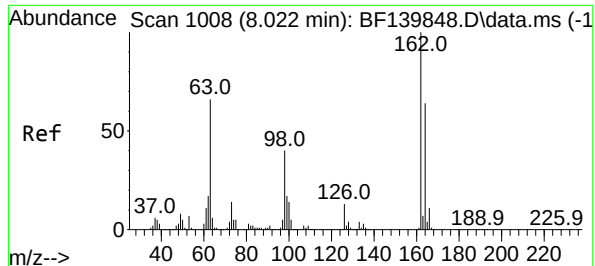
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024



#28
bis(2-Chloroethoxy)methane
Concen: 38.252 ng
RT: 7.922 min Scan# 991
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

Tgt Ion: 93 Resp: 485228
Ion Ratio Lower Upper
93 100
95 33.1 26.0 39.0
123 12.3 9.8 14.8





#29

2,4-Dichlorophenol

Concen: 39.971 ng

RT: 8.022 min Scan# 1008

Delta R.T. 0.000 min

Lab File: BF139965.D

Acq: 23 Oct 2024 15:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:162 Resp: 34637

Ion Ratio Lower Upper

162 100

164 63.6 43.9 83.9

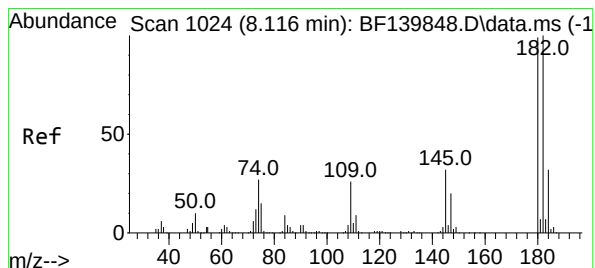
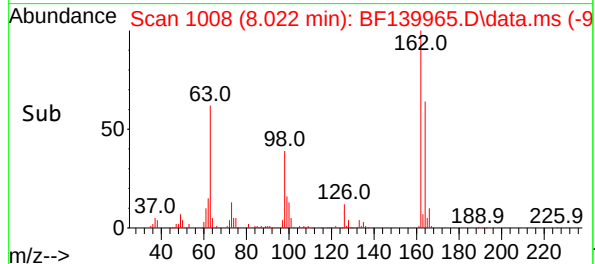
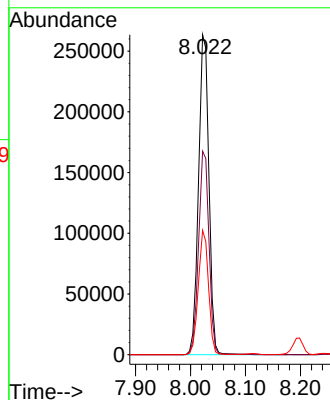
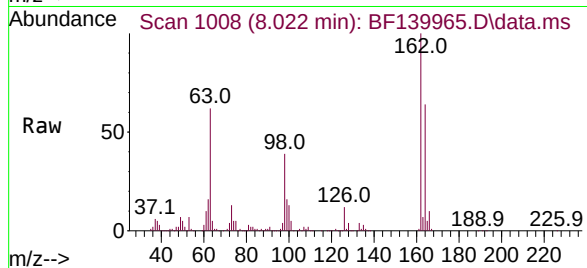
98 38.9 19.9 59.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/24/2024

Supervised By :mohammad ahmed 10/24/2024



#30

1,2,4-Trichlorobenzene

Concen: 39.591 ng

RT: 8.116 min Scan# 1024

Delta R.T. 0.000 min

Lab File: BF139965.D

Acq: 23 Oct 2024 15:30

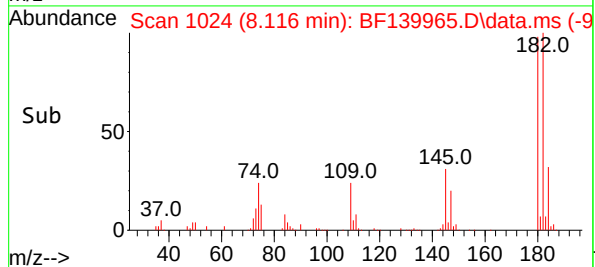
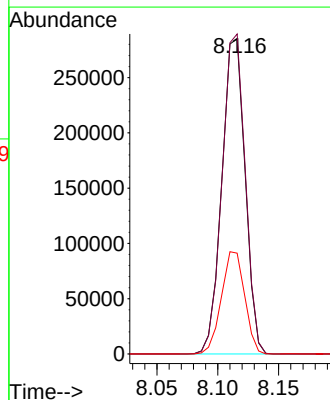
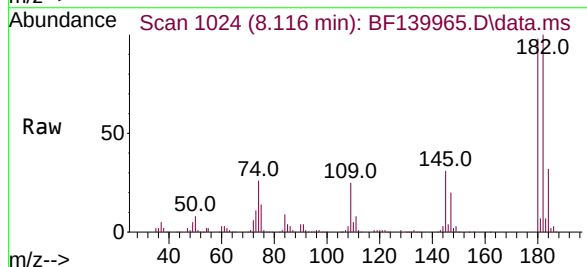
Tgt Ion:180 Resp: 379629

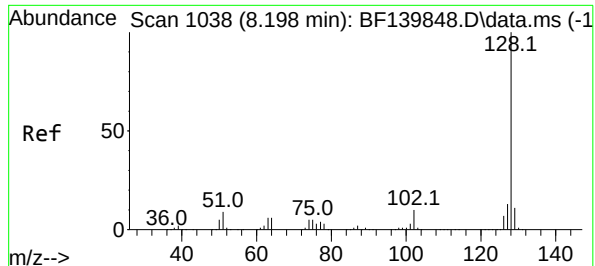
Ion Ratio Lower Upper

180 100

182 101.5 80.5 120.7

145 32.0 25.4 38.0





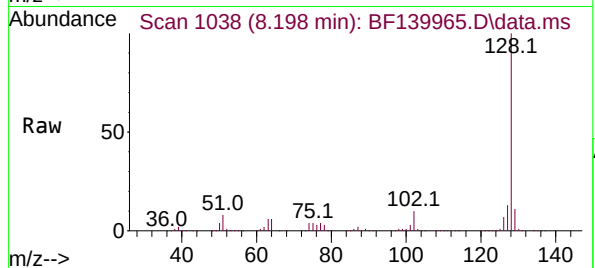
#31
Naphthalene
Concen: 39.208 ng
RT: 8.198 min Scan# 1038
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

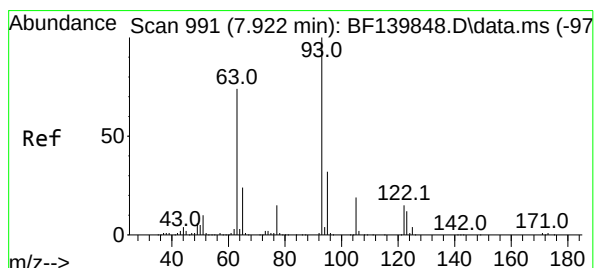
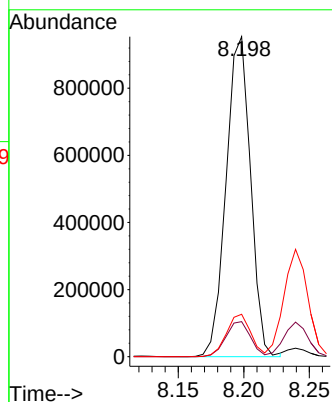
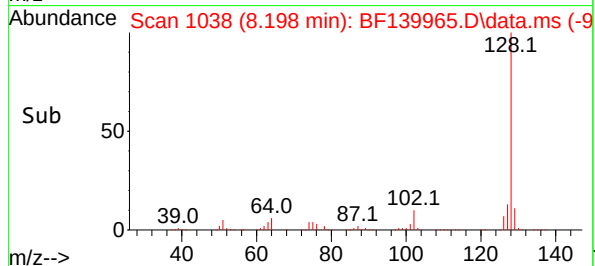


Tgt Ion:128 Resp: 123629
Ion Ratio Lower Upper
128 100
129 11.0 8.9 13.3
127 13.2 10.6 16.0

Manual Integrations

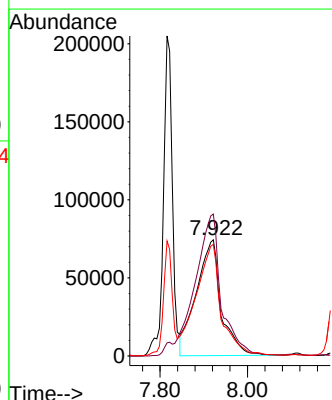
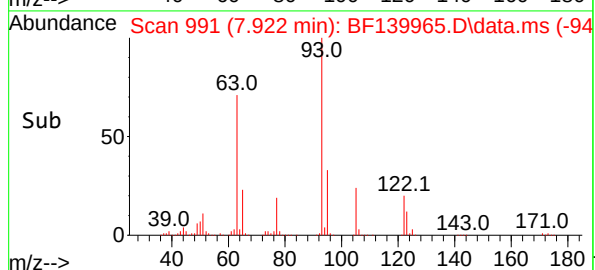
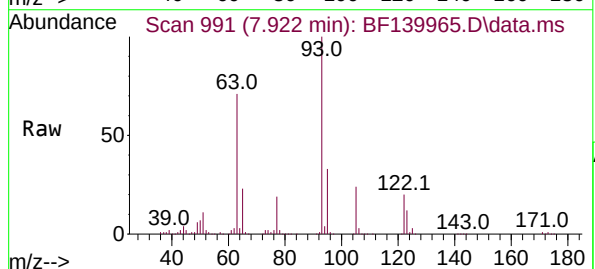
APPROVED

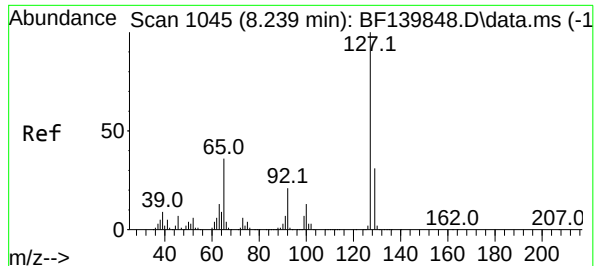
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024



#32
Benzoic acid
Concen: 44.497 ng
RT: 7.922 min Scan# 991
Delta R.T. -0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

Tgt Ion:122 Resp: 295264
Ion Ratio Lower Upper
122 100
105 122.2 107.6 147.6
77 96.0 80.2 120.2





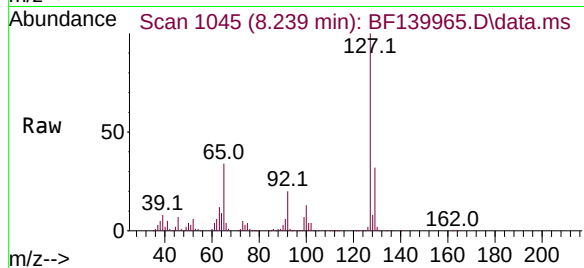
#33
4-Chloroaniline
Concen: 38.637 ng
RT: 8.239 min Scan# 1045
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

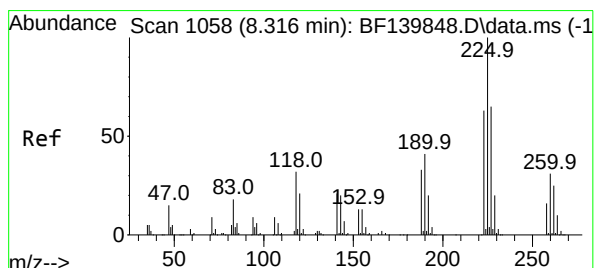
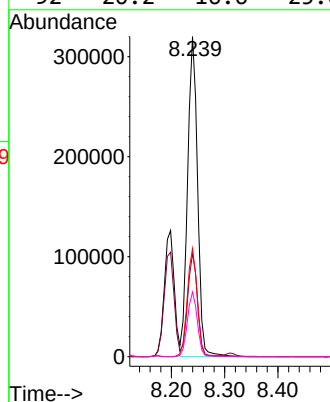
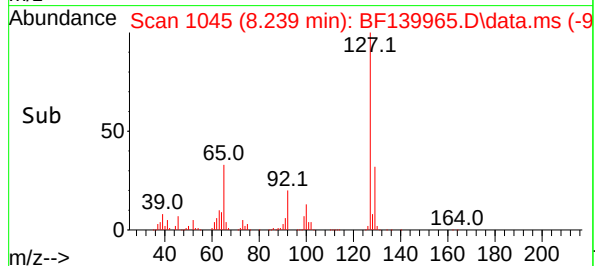


Tgt Ion:127 Resp: 41542
Ion Ratio Lower Upper
127 100
129 32.2 25.4 38.2
65 33.8 28.4 42.6
92 20.2 16.6 25.0

Manual Integrations

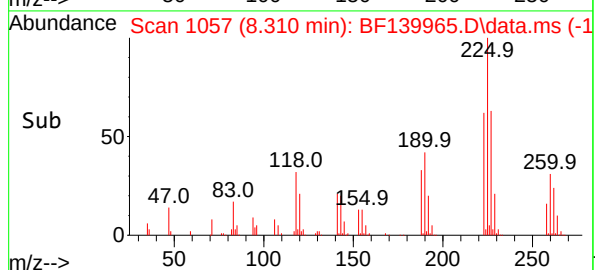
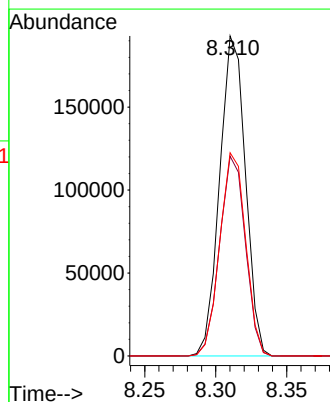
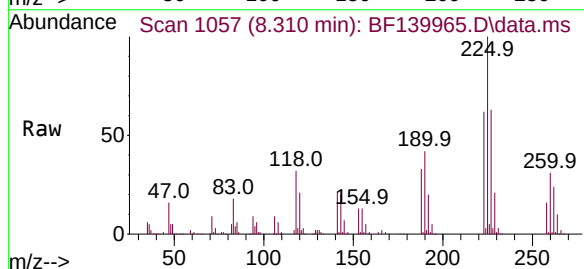
APPROVED

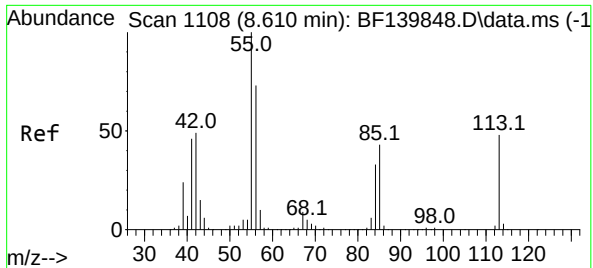
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024



#34
Hexachlorobutadiene
Concen: 40.436 ng
RT: 8.310 min Scan# 1057
Delta R.T. -0.006 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

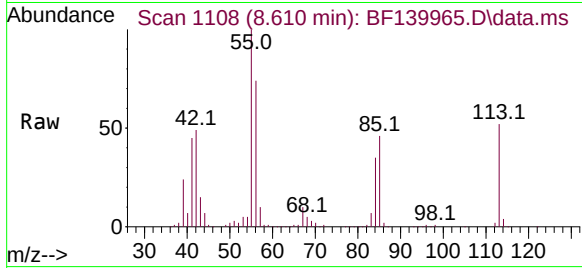
Tgt Ion:225 Resp: 243614
Ion Ratio Lower Upper
225 100
223 62.4 50.6 76.0
227 63.5 51.8 77.8





#35
Caprolactam
Concen: 40.942 ng
RT: 8.610 min Scan# 1108
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

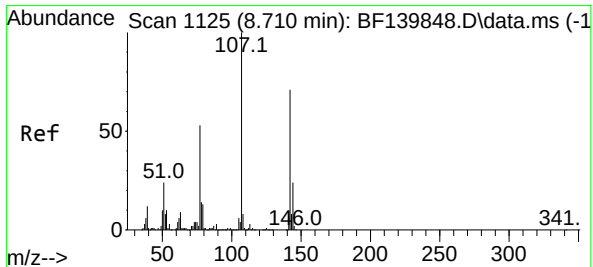
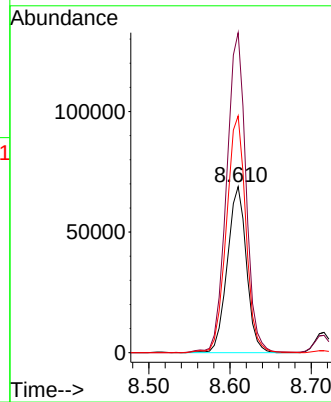
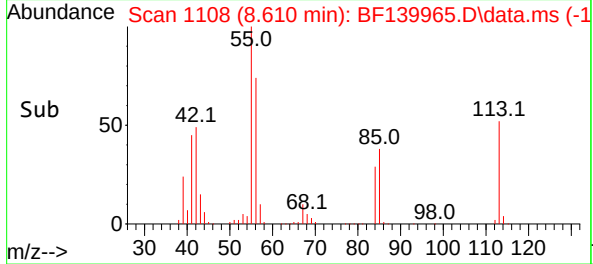
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:113 Resp: 11281
Ion Ratio Lower Upper
113 100
55 192.6 189.2 229.2
56 142.5 132.5 172.5

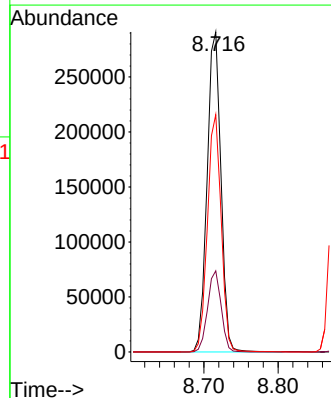
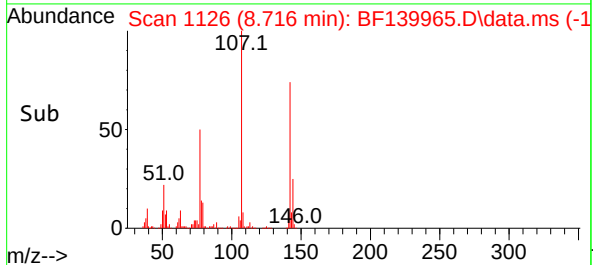
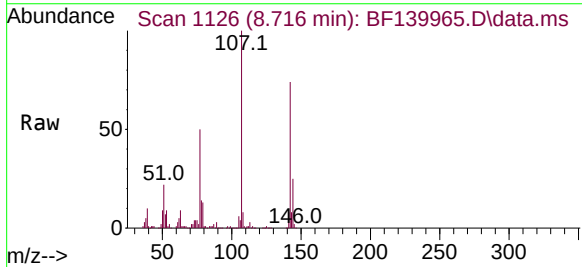
Manual Integrations
APPROVED

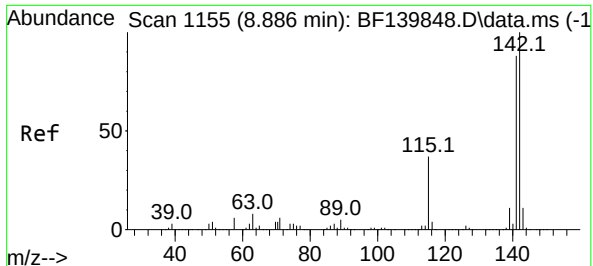
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024



#36
4-Chloro-3-methylphenol
Concen: 39.260 ng
RT: 8.716 min Scan# 1126
Delta R.T. 0.006 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

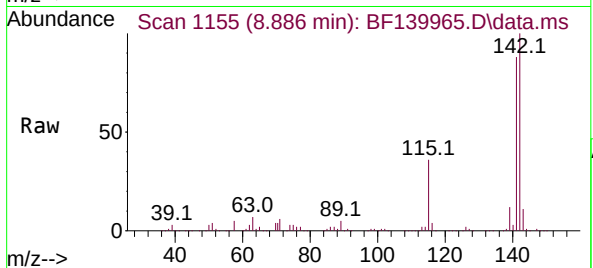
Tgt Ion:107 Resp: 376721
Ion Ratio Lower Upper
107 100
144 25.3 19.1 28.7
142 74.2 57.2 85.8





#37
2-Methylnaphthalene
Concen: 39.114 ng
RT: 8.886 min Scan# 1155
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

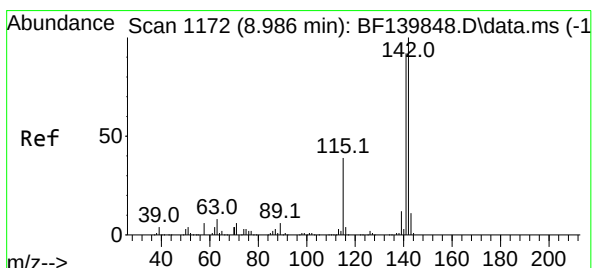
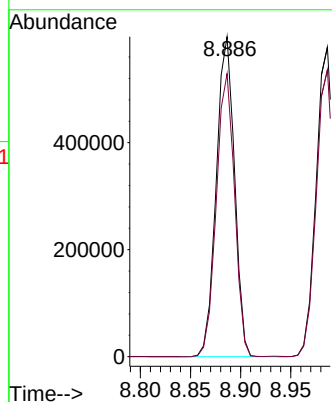
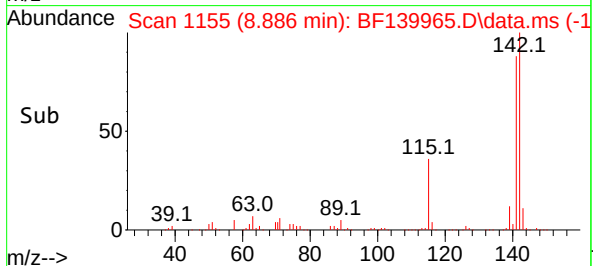
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:142 Resp: 75532
Ion Ratio Lower Upper
142 100
141 88.4 70.8 106.2

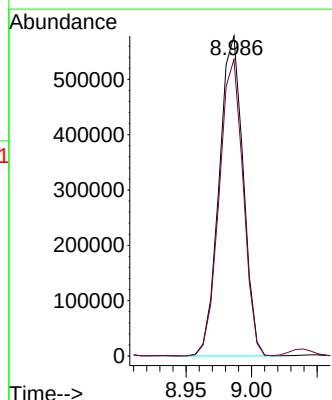
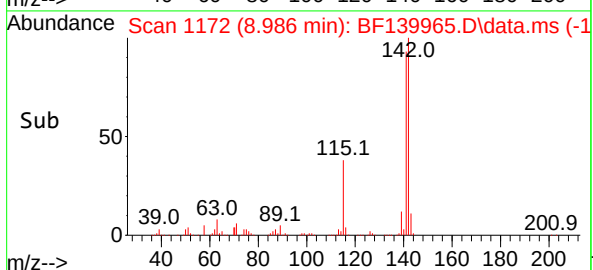
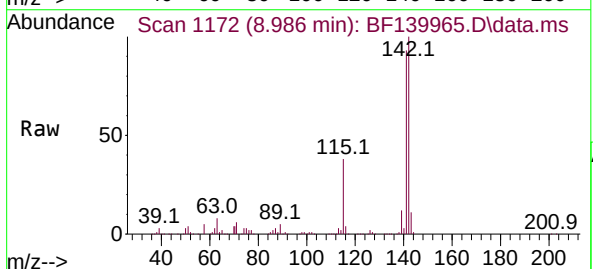
Manual Integrations
APPROVED

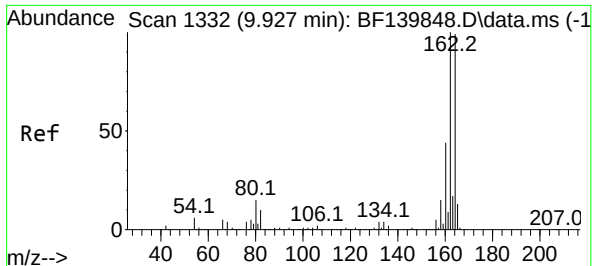
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024



#38
1-Methylnaphthalene
Concen: 38.841 ng
RT: 8.986 min Scan# 1172
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

Tgt Ion:142 Resp: 735901
Ion Ratio Lower Upper
142 100
141 92.7 73.5 110.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 1183

Delta R.T. 0.001 min

Lab File: BF139965.D

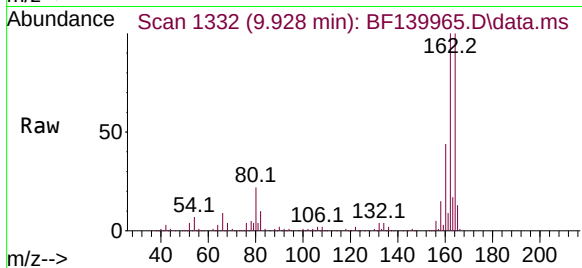
Acq: 23 Oct 2024 15:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



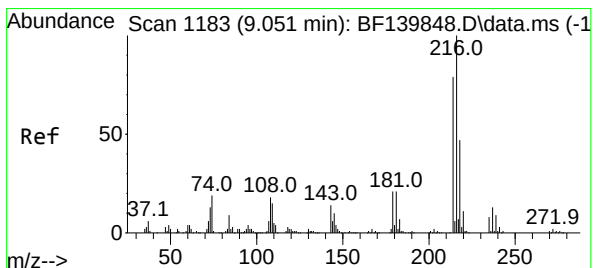
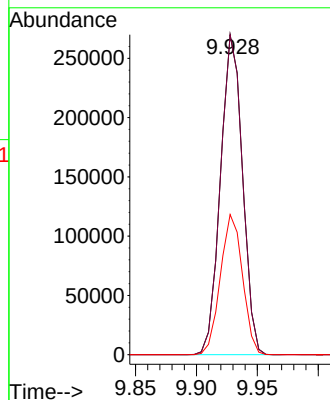
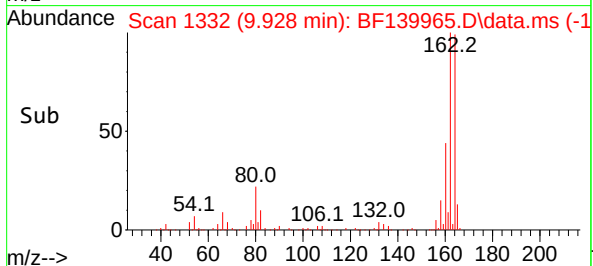
Tgt Ion:	164	Resp:	340124
Ion Ratio	Lower	Upper	
164	100		
162	99.9	81.0	121.4
160	43.8	35.4	53.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/24/2024

Supervised By :mohammad ahmed 10/24/2024



#40

1,2,4,5-Tetrachlorobenzene

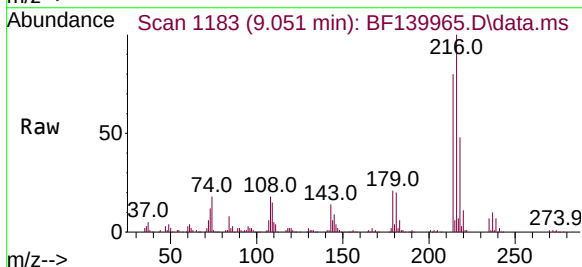
Concen: 40.047 ng

RT: 9.051 min Scan# 1183

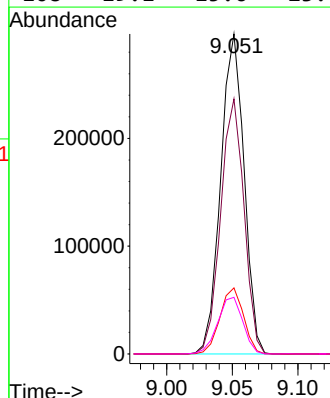
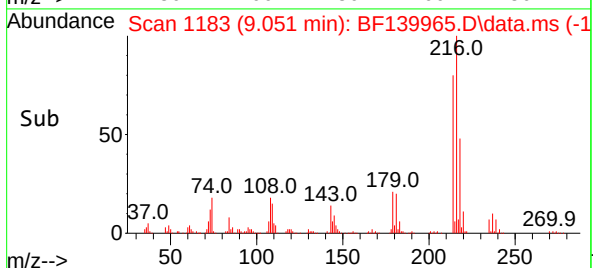
Delta R.T. 0.000 min

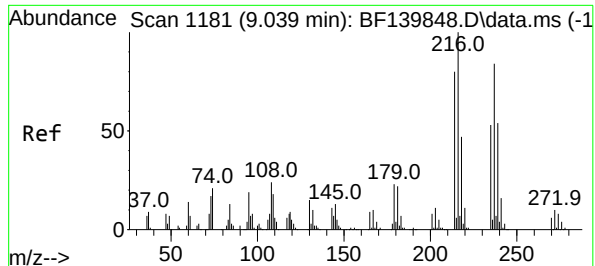
Lab File: BF139965.D

Acq: 23 Oct 2024 15:30



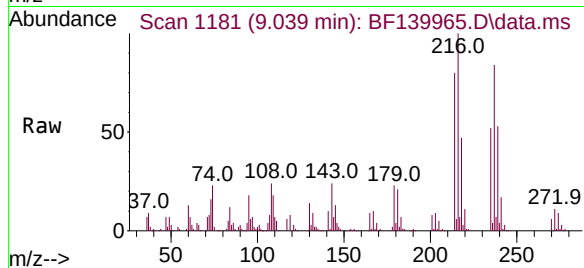
Tgt Ion:	216	Resp:	367476
Ion Ratio	Lower	Upper	
216	100		
214	79.5	63.4	95.0
179	20.9	17.2	25.8
108	19.1	15.6	23.4





#41
Hexachlorocyclopentadiene
Concen: 41.044 ng
RT: 9.039 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

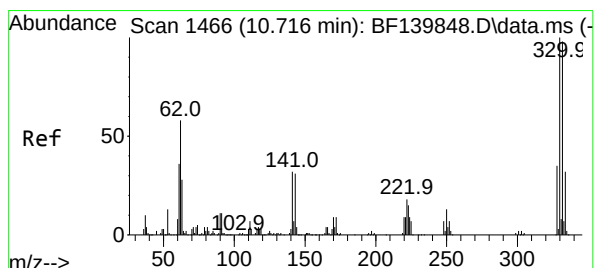
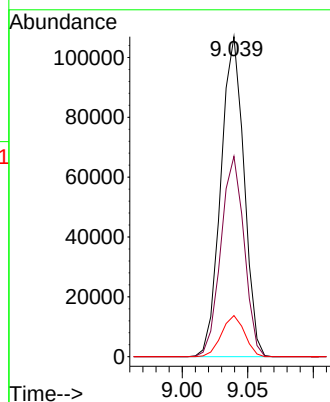
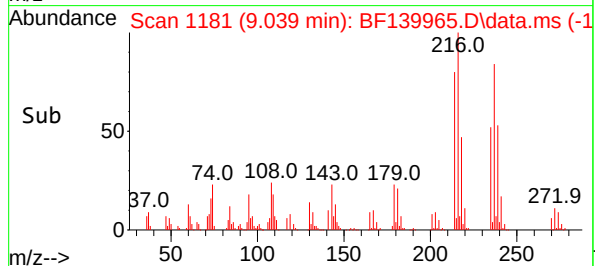
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion: 237 Resp: 131040
Ion Ratio Lower Upper
237 100
235 62.6 42.9 82.9
272 12.8 0.0 32.3

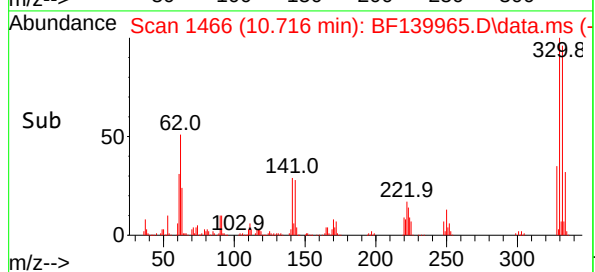
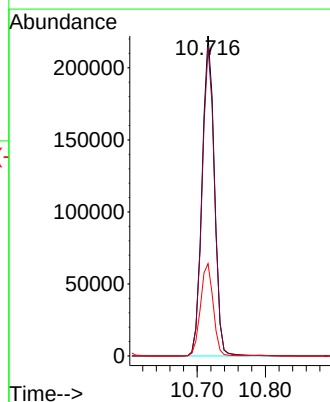
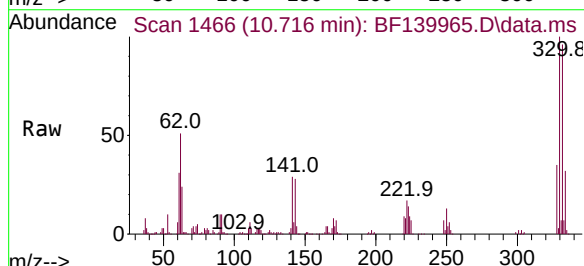
Manual Integrations
APPROVED

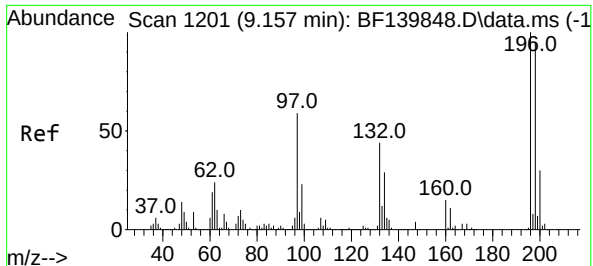
Reviewed By : Yogesh Patel 10/24/2024
Supervised By : mohammad ahmed 10/24/2024



#42
2,4,6-Tribromophenol
Concen: 87.444 ng
RT: 10.716 min Scan# 1466
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

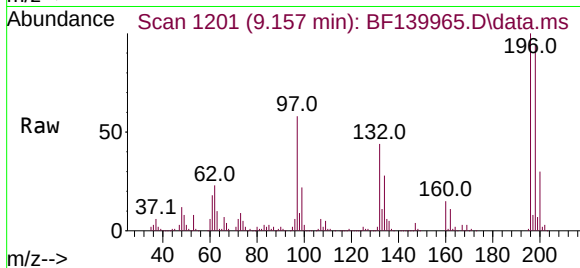
Tgt Ion: 330 Resp: 278197
Ion Ratio Lower Upper
330 100
332 96.9 78.1 117.1
141 29.7 26.6 39.8





#43
2,4,6-Trichlorophenol
Concen: 39.893 ng
RT: 9.157 min Scan# 1201
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

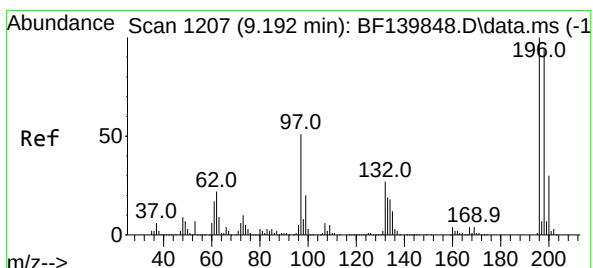
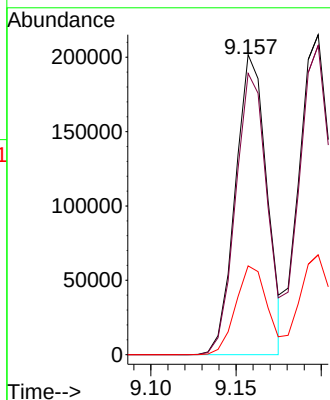
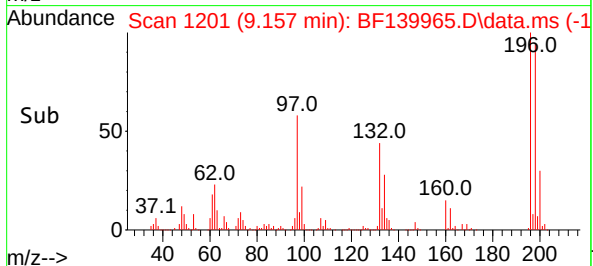
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



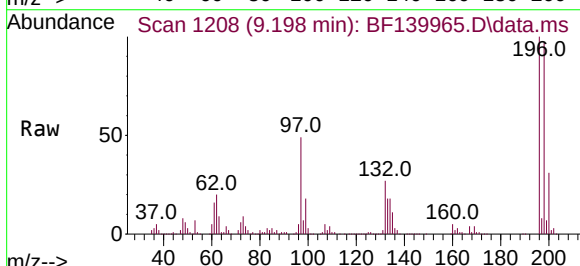
Tgt Ion:196 Resp: 259164
Ion Ratio Lower Upper
196 100
198 93.8 76.2 114.2
200 29.6 24.0 36.0

Manual Integrations
APPROVED

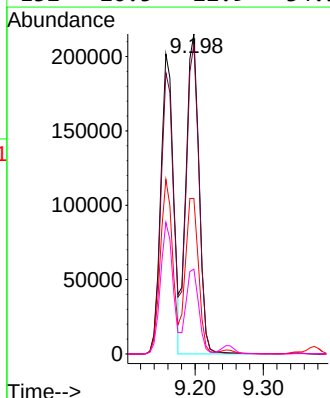
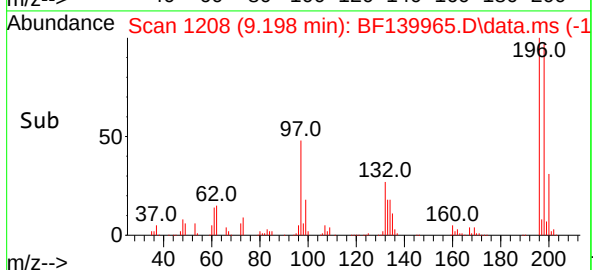
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

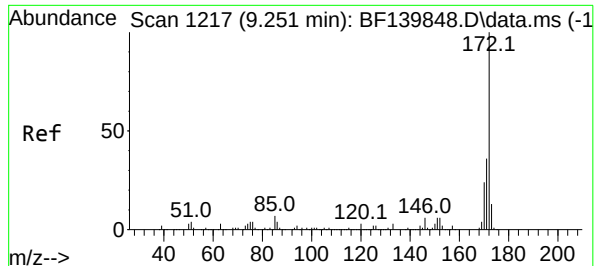


#44
2,4,5-Trichlorophenol
Concen: 42.132 ng
RT: 9.198 min Scan# 1208
Delta R.T. 0.006 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30



Tgt Ion:196 Resp: 282398
Ion Ratio Lower Upper
196 100
198 96.6 75.8 113.6
97 48.6 41.8 62.6
132 26.5 22.9 34.3





#45

2-Fluorobiphenyl

Concen: 77.274 ng

RT: 9.251 min Scan# 1217

Delta R.T. 0.000 min

Lab File: BF139965.D

Acq: 23 Oct 2024 15:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:172 Resp: 1590284

Ion Ratio Lower Upper

172 100

171 35.8 28.6 43.0

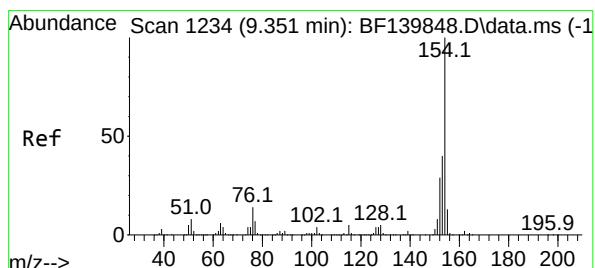
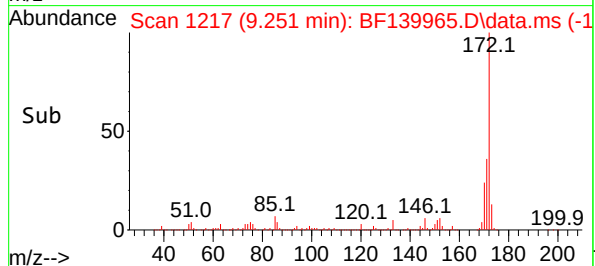
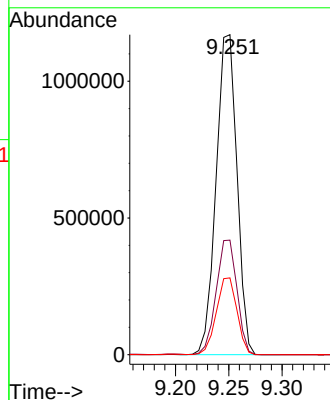
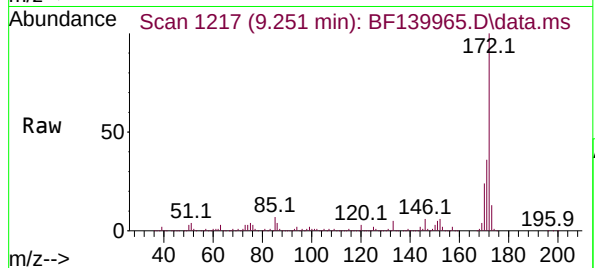
170 24.0 19.1 28.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/24/2024

Supervised By :mohammad ahmed 10/24/2024



#46

1,1'-Biphenyl

Concen: 38.820 ng

RT: 9.351 min Scan# 1234

Delta R.T. 0.000 min

Lab File: BF139965.D

Acq: 23 Oct 2024 15:30

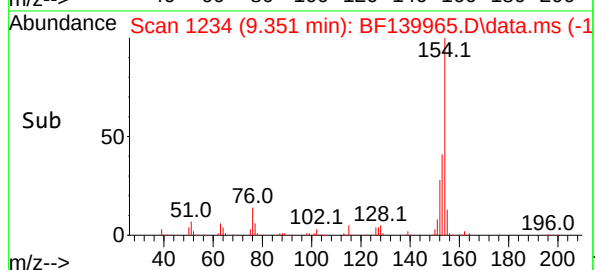
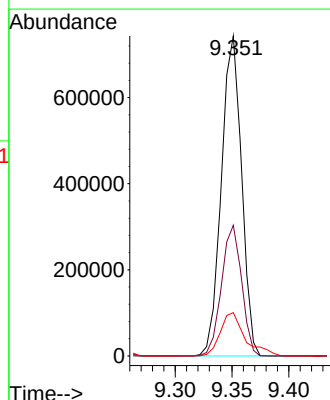
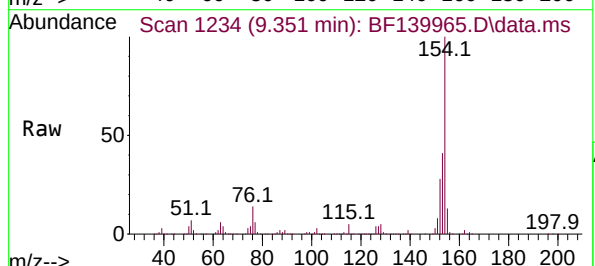
Tgt Ion:154 Resp: 919167

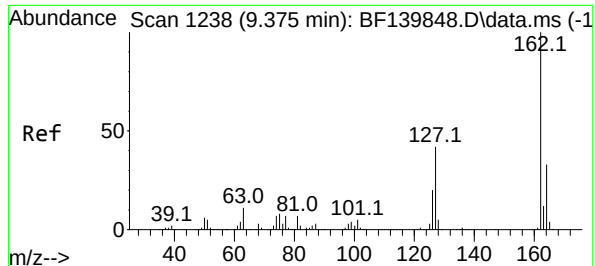
Ion Ratio Lower Upper

154 100

153 40.9 20.3 60.3

76 13.5 0.0 33.9





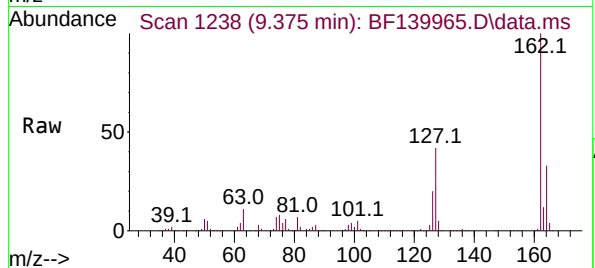
#47
2-Chloronaphthalene
Concen: 39.125 ng
RT: 9.375 min Scan# 1238
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

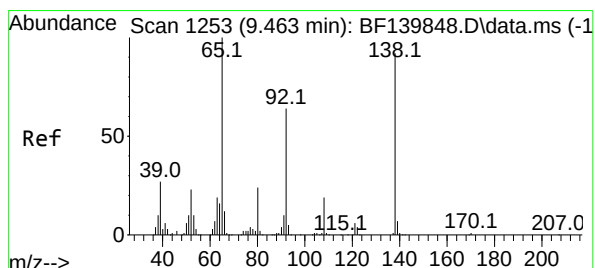
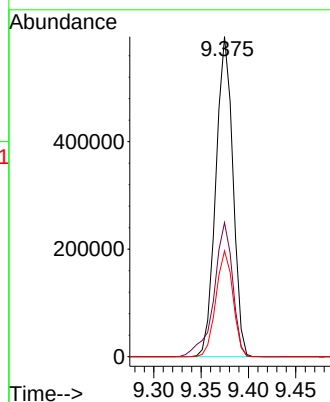
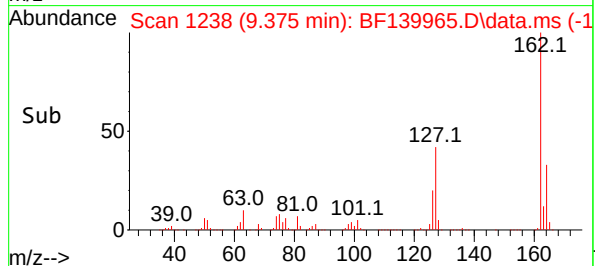


Tgt Ion:162 Resp: 746122
Ion Ratio Lower Upper
162 100
127 41.9 33.8 50.6
164 33.0 26.6 39.8

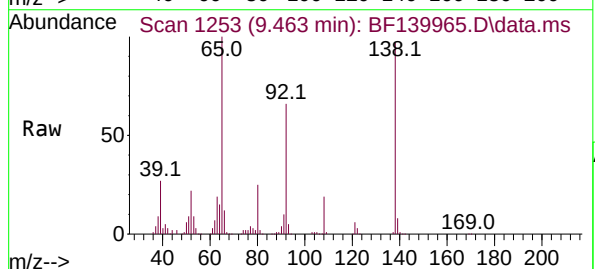
Manual Integrations

APPROVED

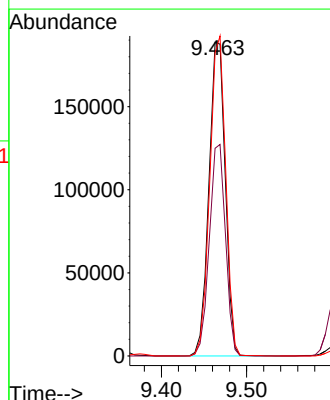
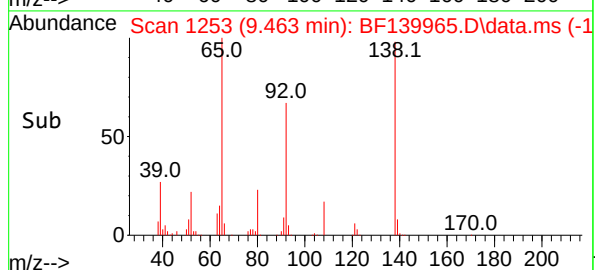
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

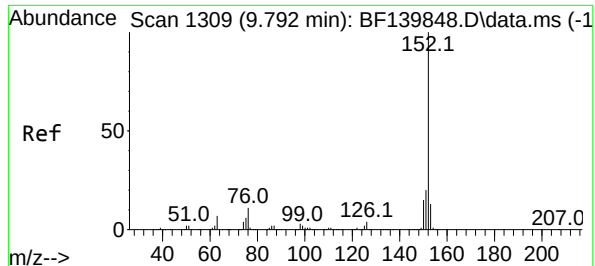


#48
2-Nitroaniline
Concen: 43.073 ng
RT: 9.463 min Scan# 1253
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30



Tgt Ion: 65 Resp: 251224
Ion Ratio Lower Upper
65 100
92 66.2 50.9 76.3
138 96.6 73.4 110.0





#49

Acenaphthylene

Concen: 39.178 ng

RT: 9.792 min Scan# 1309

Delta R.T. 0.000 min

Lab File: BF139965.D

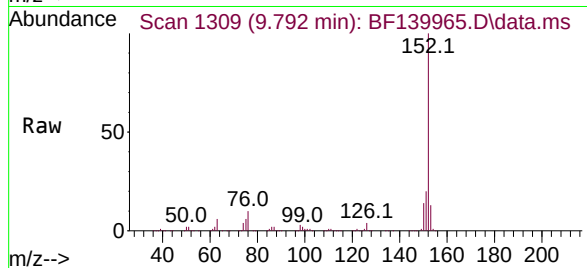
Acq: 23 Oct 2024 15:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



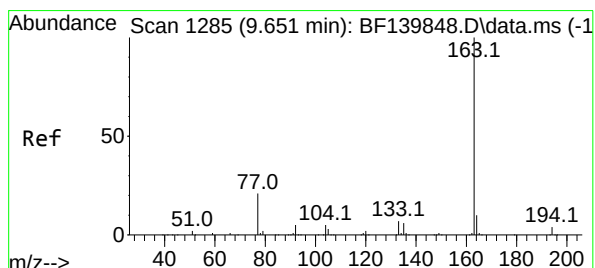
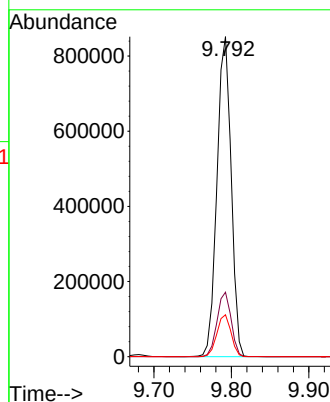
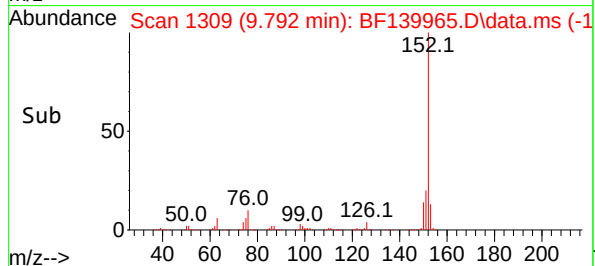
Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.9	23.9
153	13.1	10.7	16.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/24/2024

Supervised By :mohammad ahmed 10/24/2024



#50

Dimethylphthalate

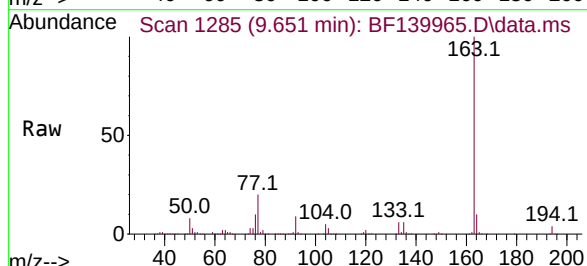
Concen: 39.360 ng

RT: 9.651 min Scan# 1285

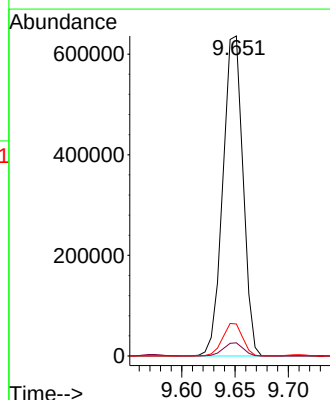
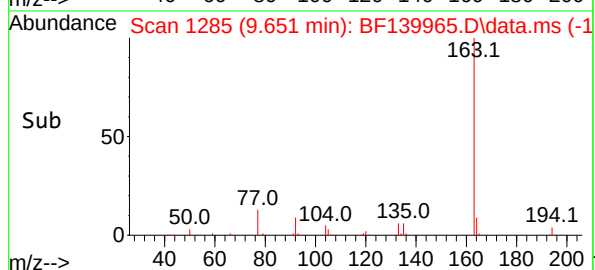
Delta R.T. 0.000 min

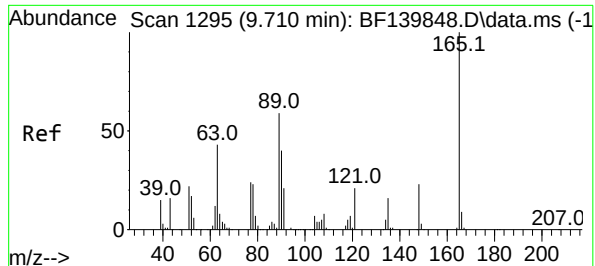
Lab File: BF139965.D

Acq: 23 Oct 2024 15:30



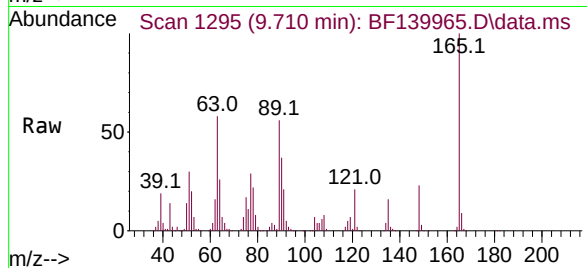
Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	10.0	8.2	12.2





#51
2,6-Dinitrotoluene
Concen: 42.888 ng
RT: 9.710 min Scan# 1295
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

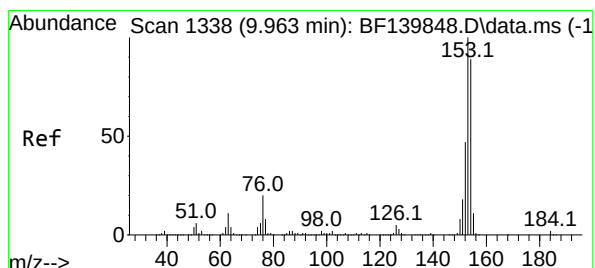
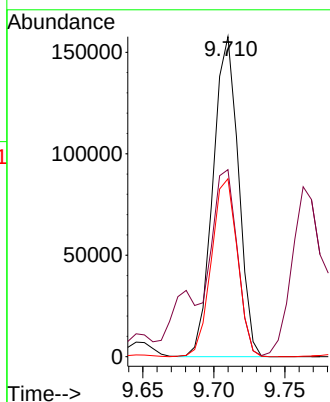
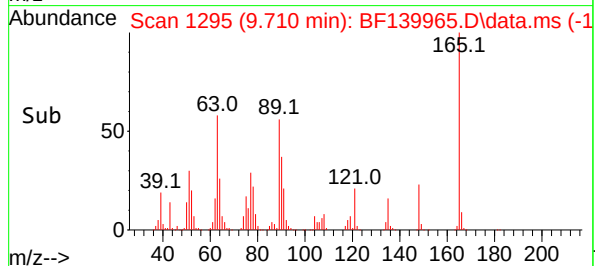
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:165 Resp: 196730
Ion Ratio Lower Upper
165 100
63 58.4 50.6 75.8
89 55.6 47.5 71.3

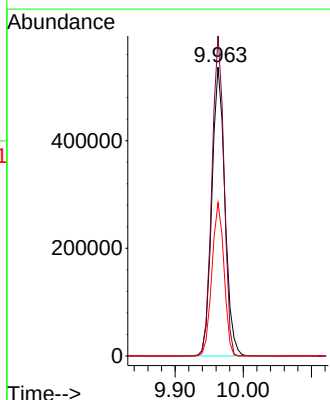
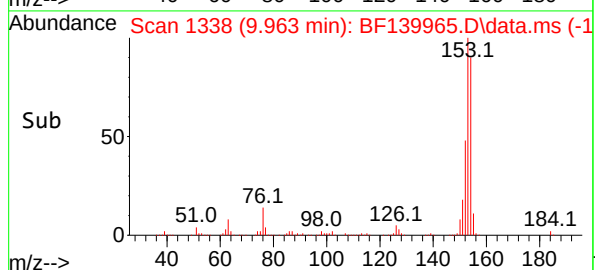
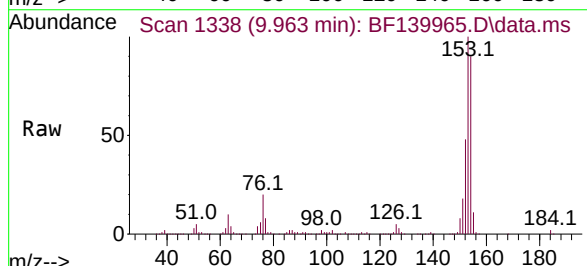
Manual Integrations
APPROVED

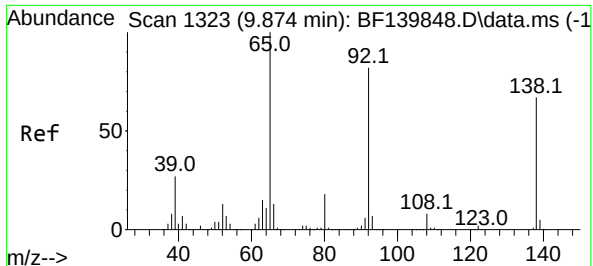
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024



#52
Acenaphthene
Concen: 40.088 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

Tgt Ion:154 Resp: 714969
Ion Ratio Lower Upper
154 100
153 110.8 89.8 134.6
152 53.1 42.4 63.6





#53

3-Nitroaniline

Concen: 41.975 ng

RT: 9.875 min Scan# 1323

Delta R.T. 0.000 min

Lab File: BF139965.D

Acq: 23 Oct 2024 15:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:138 Resp: 198559

Ion Ratio Lower Upper

138 100

108 11.3 10.2 15.2

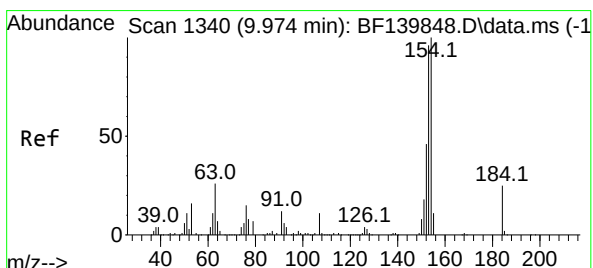
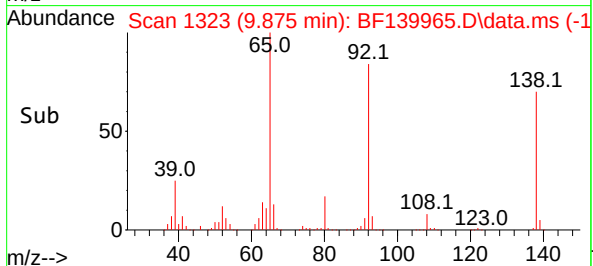
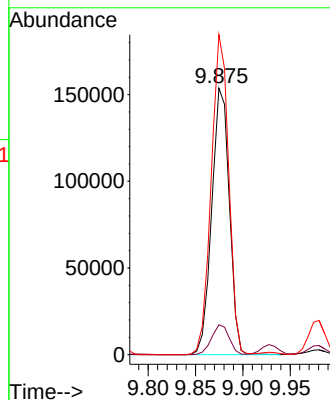
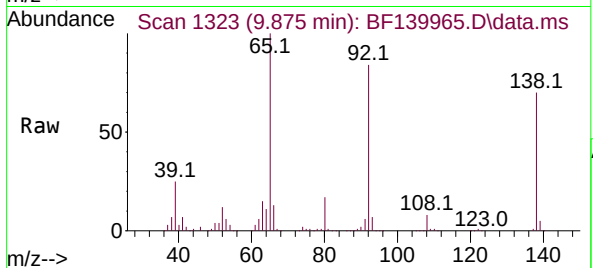
92 120.1 98.3 147.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/24/2024

Supervised By :mohammad ahmed 10/24/2024



#54

2,4-Dinitrophenol

Concen: 52.057 ng

RT: 9.981 min Scan# 1341

Delta R.T. 0.007 min

Lab File: BF139965.D

Acq: 23 Oct 2024 15:30

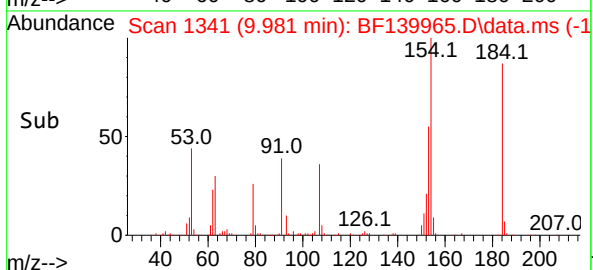
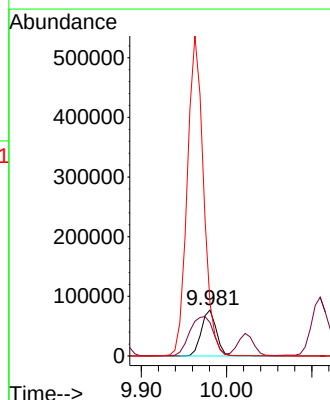
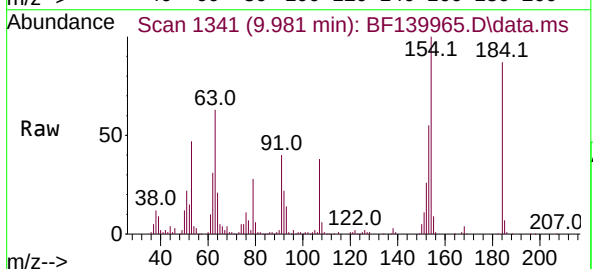
Tgt Ion:184 Resp: 94482

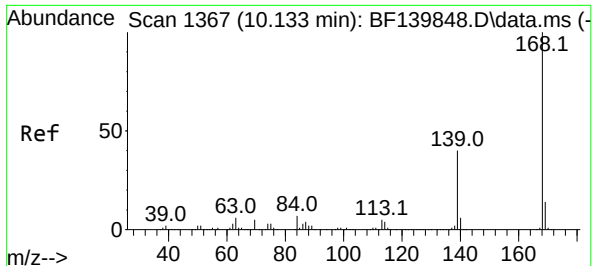
Ion Ratio Lower Upper

184 100

63 72.8 84.7 127.1#

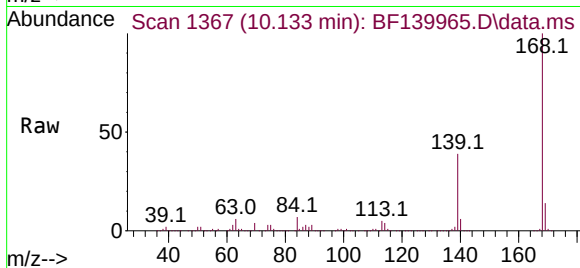
154 115.3 338.2 507.2#





#55
Dibenzenofuran
Concen: 38.748 ng
RT: 10.133 min Scan# 1367
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

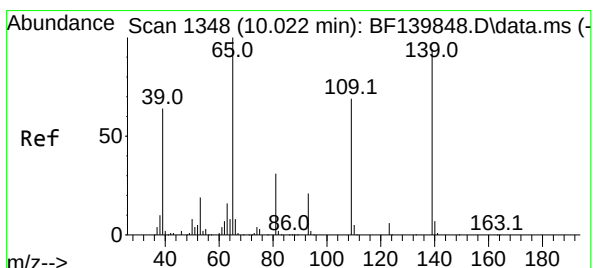
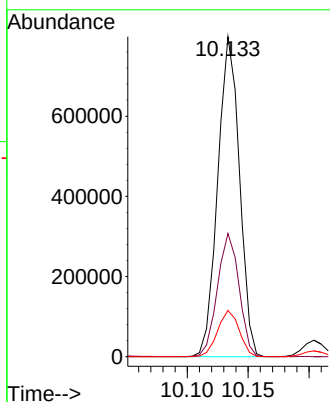
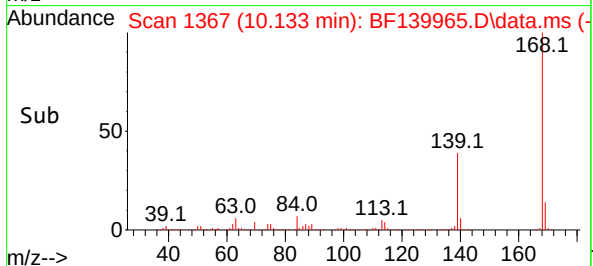
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:168 Resp: 991500
Ion Ratio Lower Upper
168 100
139 38.5 31.8 47.6
169 14.5 11.6 17.4

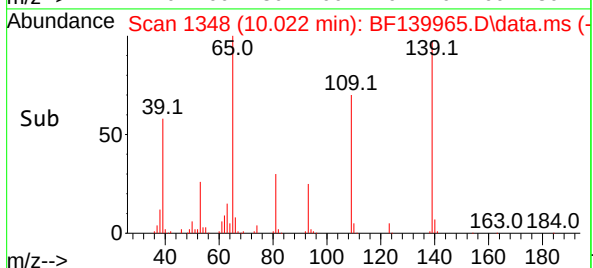
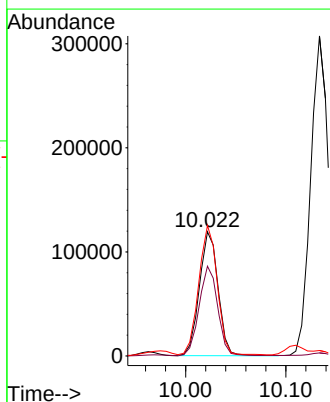
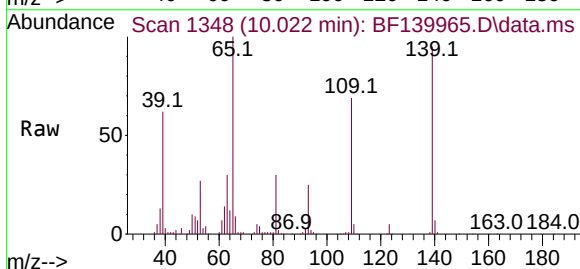
Manual Integrations
APPROVED

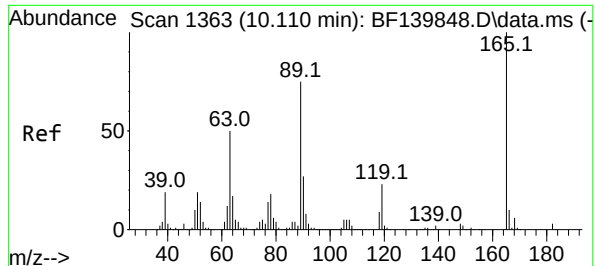
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024



#56
4-Nitrophenol
Concen: 42.690 ng
RT: 10.022 min Scan# 1348
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

Tgt Ion:139 Resp: 155364
Ion Ratio Lower Upper
139 100
109 72.3 53.6 93.6
65 105.2 87.8 127.8





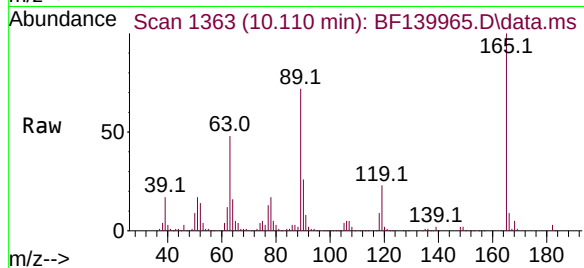
#57
2,4-Dinitrotoluene
Concen: 45.716 ng
RT: 10.110 min Scan# 1363
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

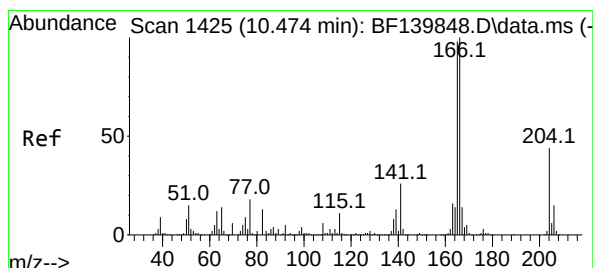
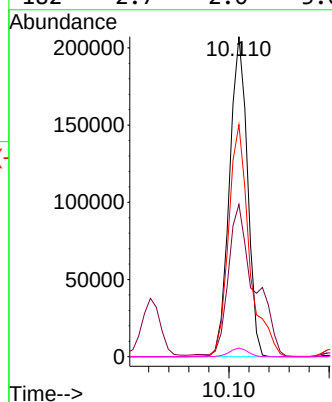
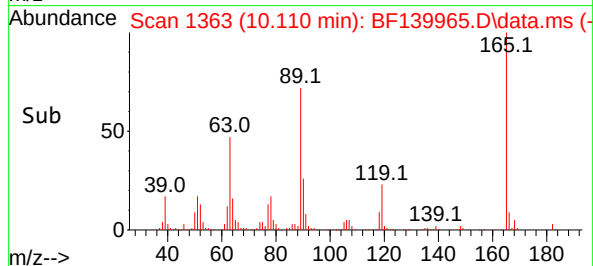


Tgt Ion:165 Resp: 257878
Ion Ratio Lower Upper
165 100
63 47.6 40.1 60.1
89 72.5 60.4 90.6
182 2.7 2.0 3.0

Manual Integrations

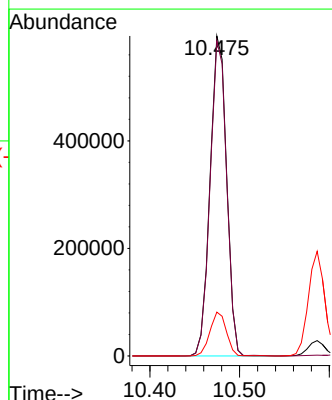
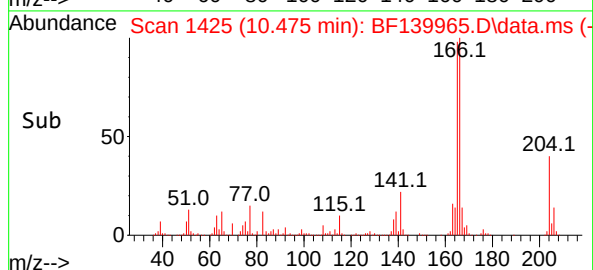
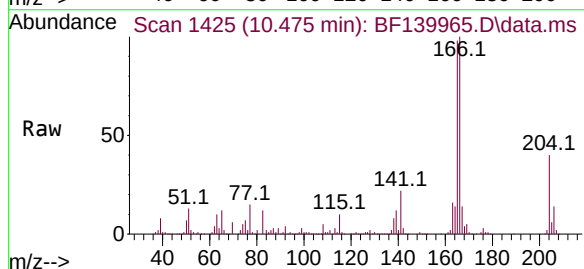
APPROVED

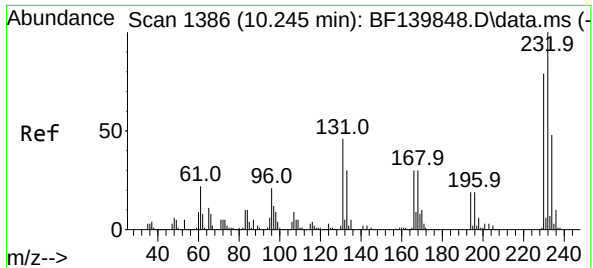
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024



#58
Fluorene
Concen: 39.027 ng
RT: 10.475 min Scan# 1425
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

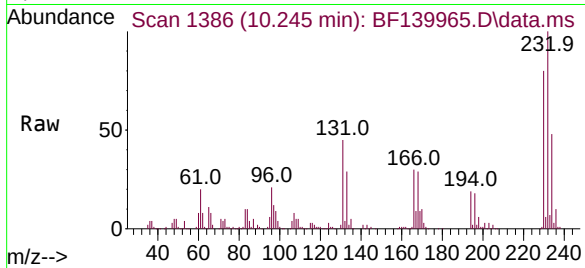
Tgt Ion:166 Resp: 760625
Ion Ratio Lower Upper
166 100
165 98.4 78.5 117.7
167 13.7 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 41.916 ng
RT: 10.245 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

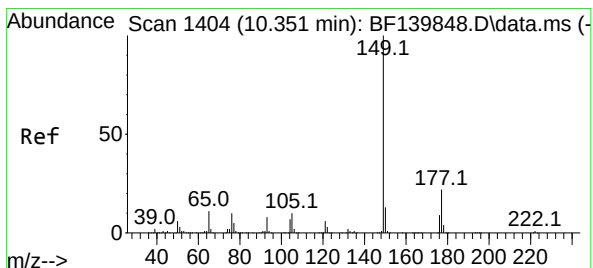
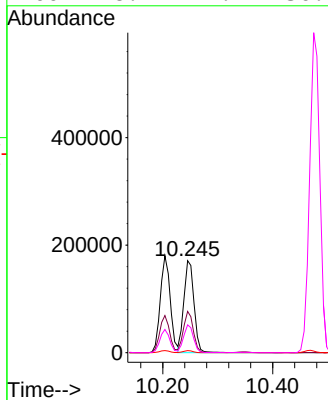
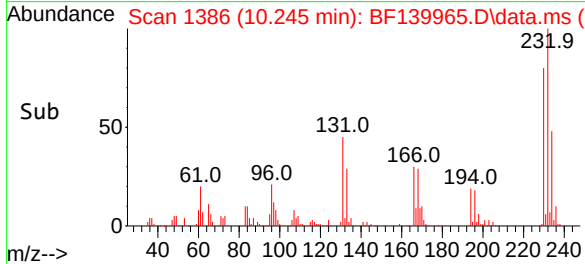
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:232 Resp: 22024
Ion Ratio Lower Upper
232 100
131 43.2 37.0 55.6
130 2.1 1.9 2.9
166 28.9 24.2 36.2

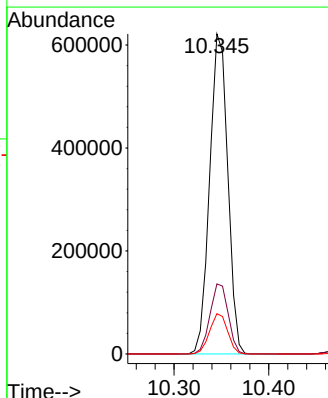
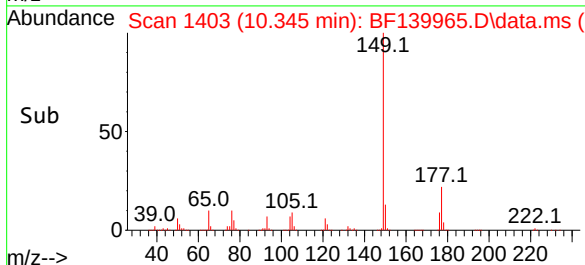
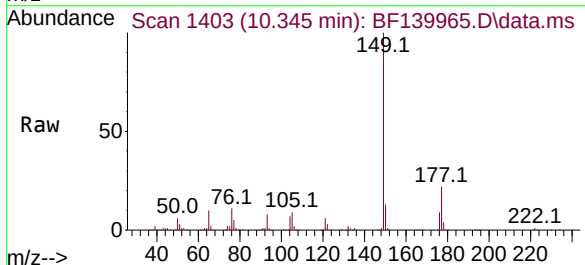
Manual Integrations
APPROVED

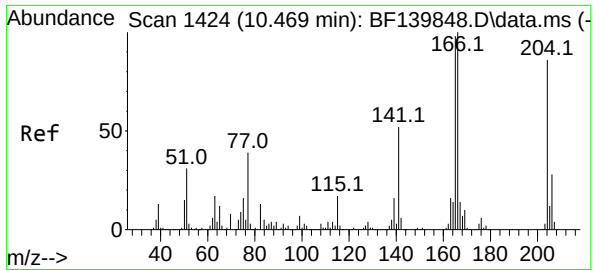
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024



#60
Diethylphthalate
Concen: 39.586 ng
RT: 10.345 min Scan# 1403
Delta R.T. -0.006 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

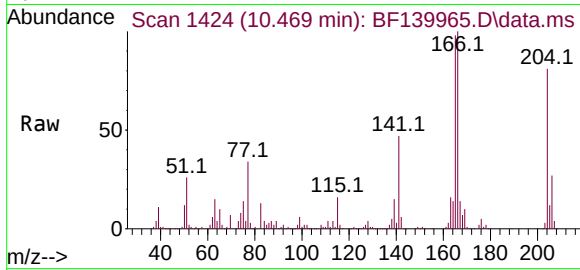
Tgt Ion:149 Resp: 823444
Ion Ratio Lower Upper
149 100
177 21.9 17.9 26.9
150 12.6 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 39.685 ng
RT: 10.469 min Scan# 1424
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

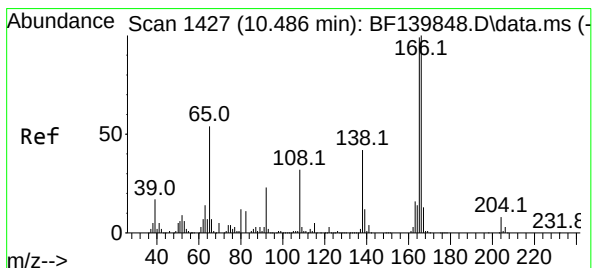
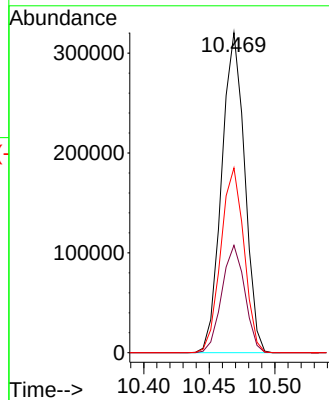
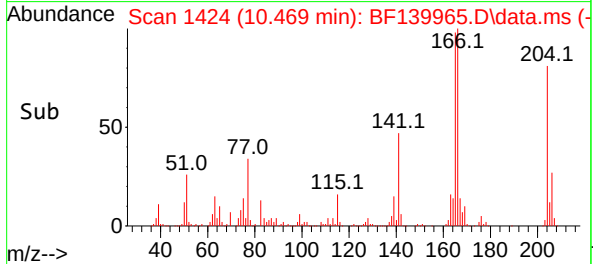
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



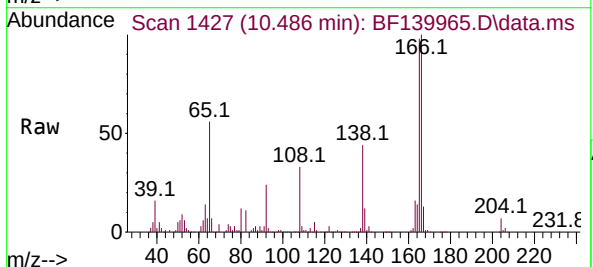
Tgt Ion:204 Resp: 390590
Ion Ratio Lower Upper
204 100
206 33.6 26.3 39.5
141 57.7 48.6 73.0

Manual Integrations
APPROVED

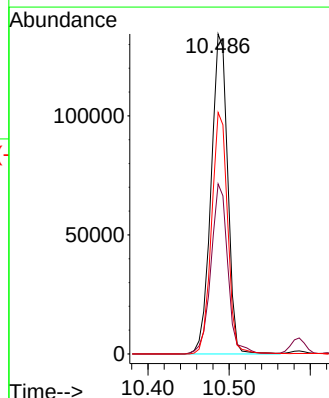
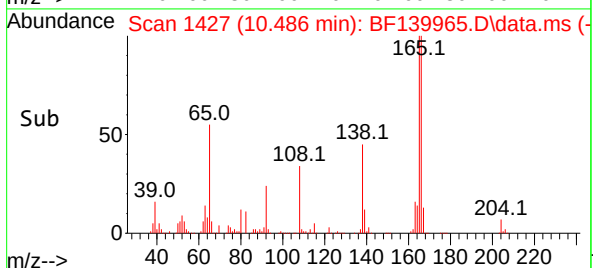
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

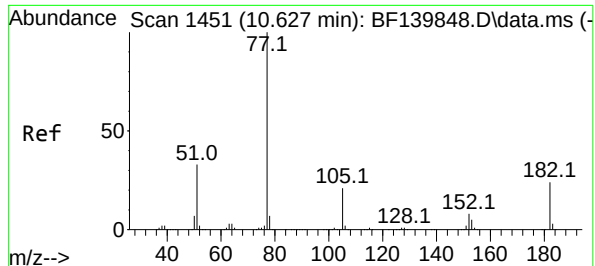


#62
4-Nitroaniline
Concen: 42.606 ng
RT: 10.486 min Scan# 1427
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30



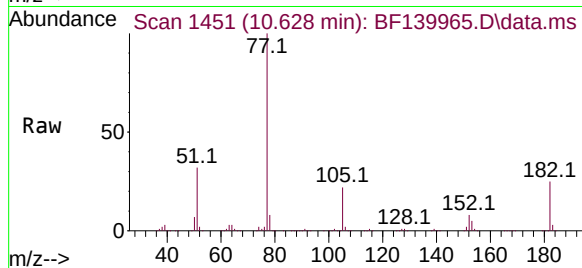
Tgt Ion:138 Resp: 190350
Ion Ratio Lower Upper
138 100
92 53.2 35.7 75.7
108 75.4 57.5 97.5





#63
Azobenzene
Concen: 37.820 ng
RT: 10.628 min Scan# 1451
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

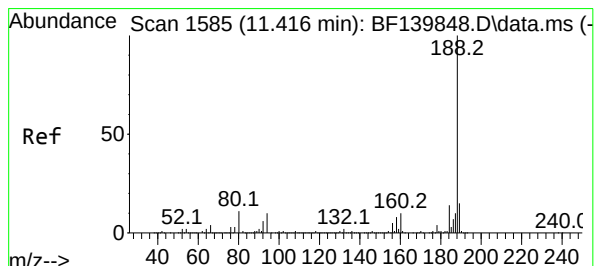
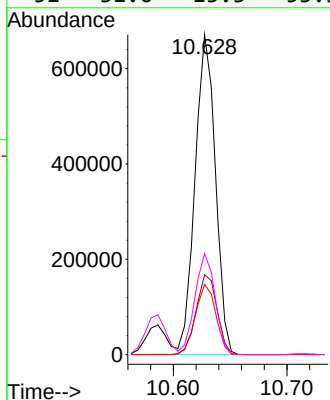
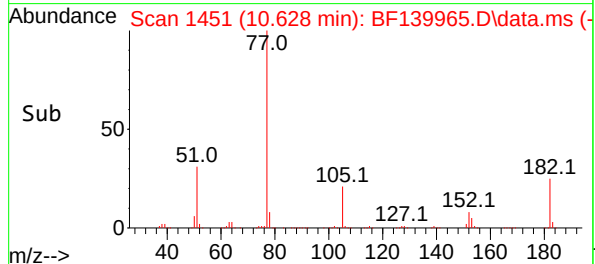
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion: 77 Resp: 834020
Ion Ratio Lower Upper
77 100
182 25.0 3.3 43.3
105 22.0 1.2 41.2
51 31.6 13.3 53.3

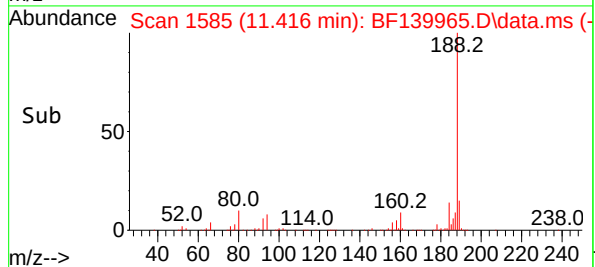
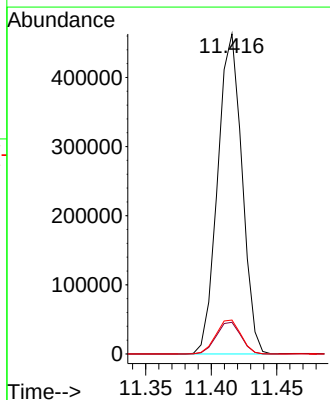
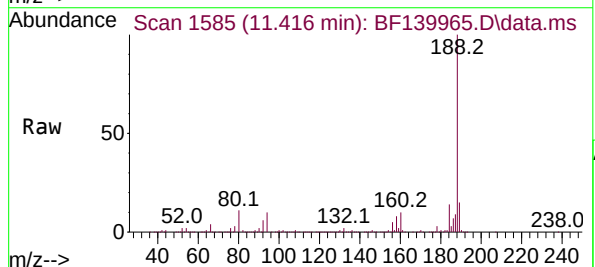
Manual Integrations
APPROVED

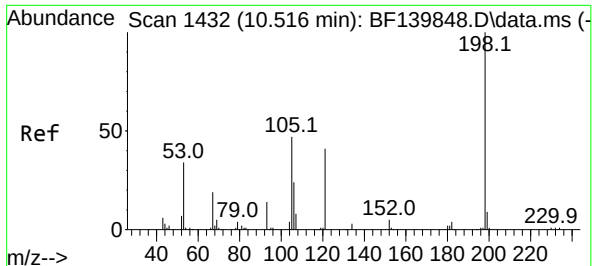
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

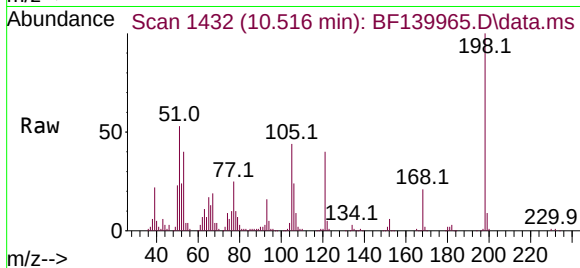
Tgt Ion:188 Resp: 597021
Ion Ratio Lower Upper
188 100
94 9.9 7.9 11.9
80 10.6 9.0 13.4





#65
4,6-Dinitro-2-methylphenol
Concen: 54.698 ng
RT: 10.516 min Scan# 1432
Delta R.T. -0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

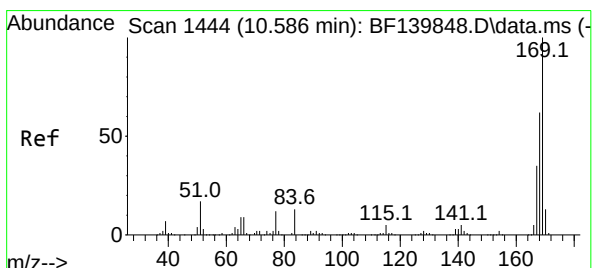
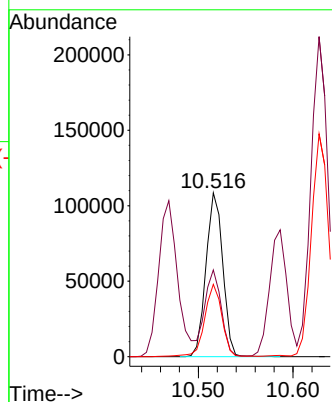
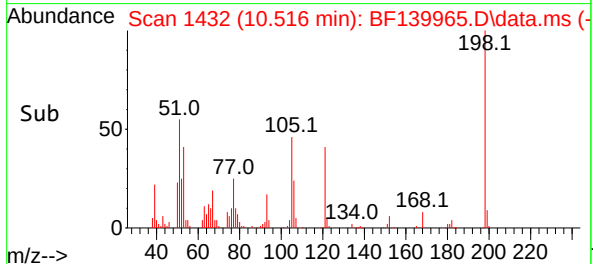
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



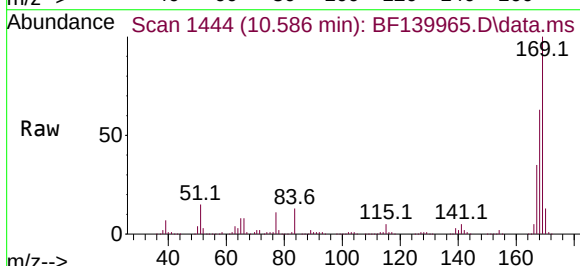
Tgt Ion:198 Resp: 133200
Ion Ratio Lower Upper
198 100
51 52.9 38.2 78.2
105 44.2 27.9 67.9

Manual Integrations
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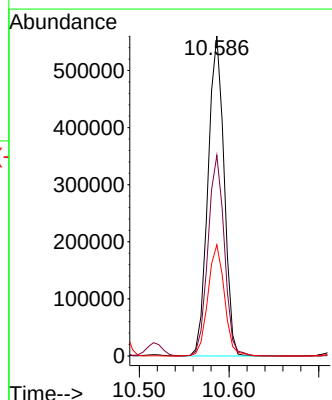
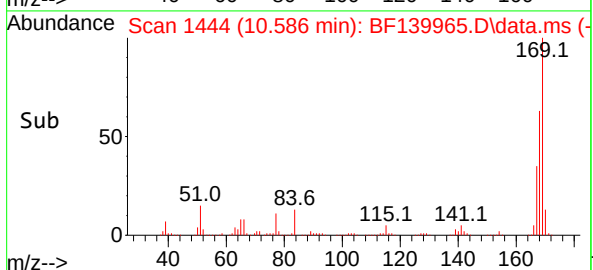
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

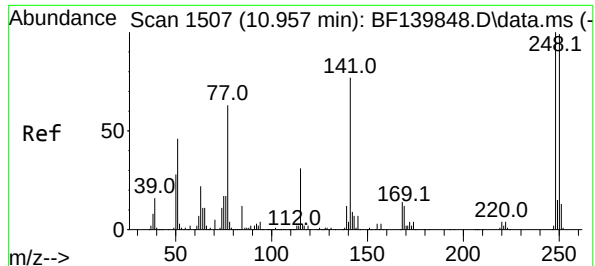


#66
n-Nitrosodiphenylamine
Concen: 38.988 ng
RT: 10.586 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30



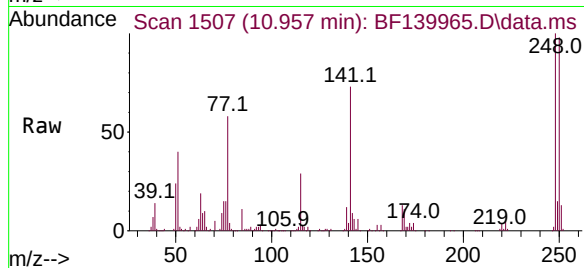
Tgt Ion:169 Resp: 696657
Ion Ratio Lower Upper
169 100
168 62.7 49.8 74.6
167 34.7 28.0 42.0





#67
4-Bromophenyl-phenylether
Concen: 40.878 ng
RT: 10.957 min Scan# 1507
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

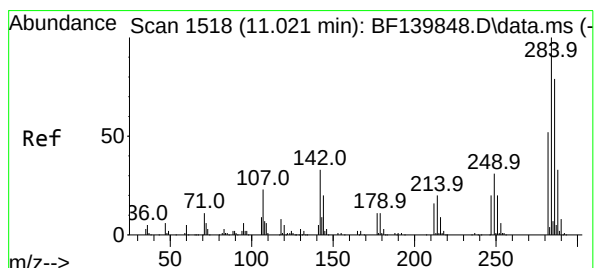
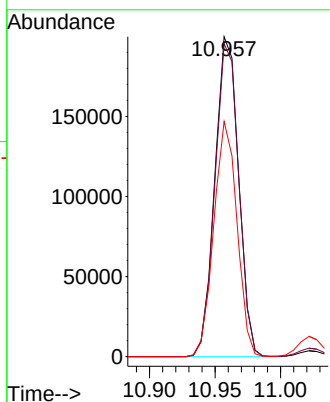
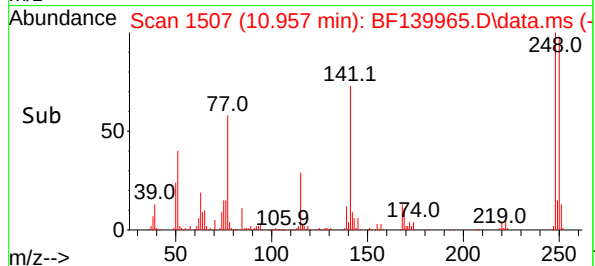
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:248 Resp: 251419
Ion Ratio Lower Upper
248 100
250 97.8 79.0 118.6
141 73.5 61.7 92.5

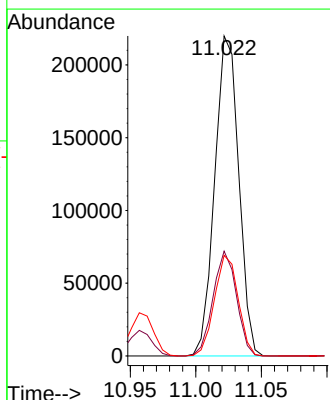
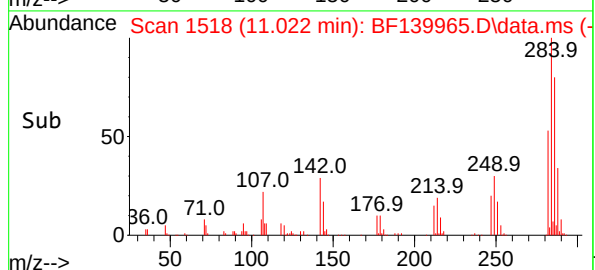
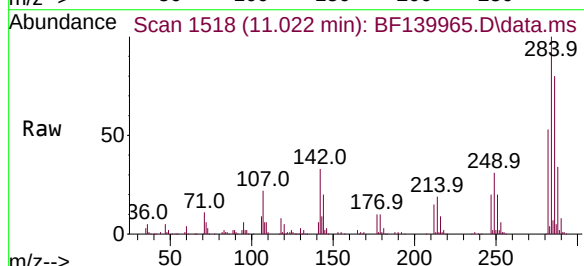
Manual Integrations
APPROVED

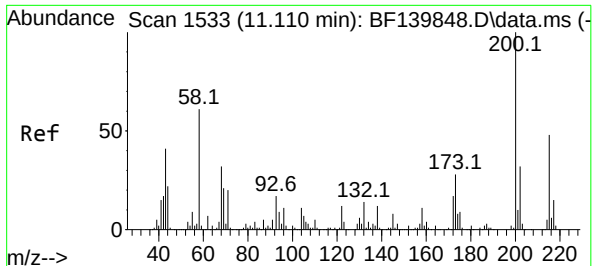
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024



#68
Hexachlorobenzene
Concen: 40.396 ng
RT: 11.022 min Scan# 1518
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

Tgt Ion:284 Resp: 279424
Ion Ratio Lower Upper
284 100
142 32.8 26.9 40.3
249 31.5 25.3 37.9





#69

Atrazine

Concen: 40.949 ng

RT: 11.110 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF139965.D

Acq: 23 Oct 2024 15:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:200 Resp: 19820

Ion Ratio Lower Upper

200 100

173 26.9 7.7 47.7

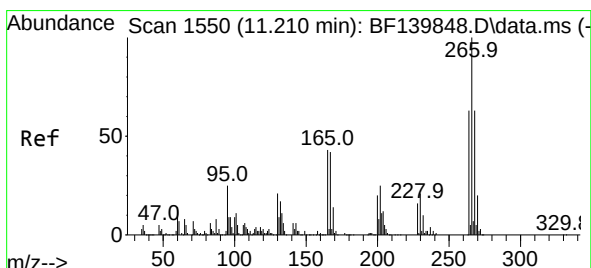
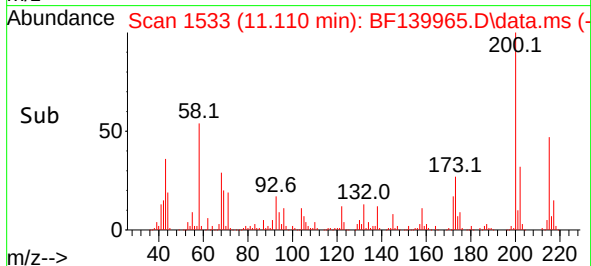
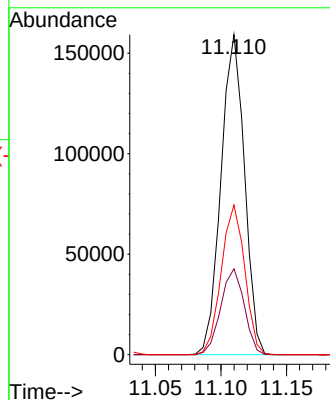
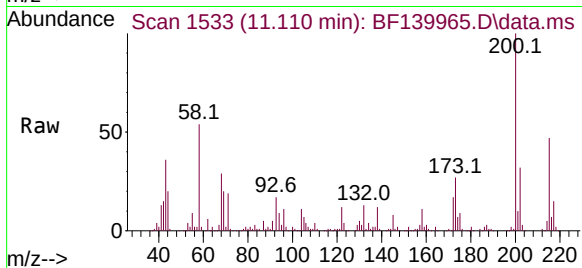
215 46.7 27.7 67.7

Manual Integrations

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Reviewed By :Yogesh Patel 10/24/2024

Supervised By :mohammad ahmed 10/24/2024



#70

Pentachlorophenol

Concen: 44.591 ng

RT: 11.216 min Scan# 1551

Delta R.T. 0.006 min

Lab File: BF139965.D

Acq: 23 Oct 2024 15:30

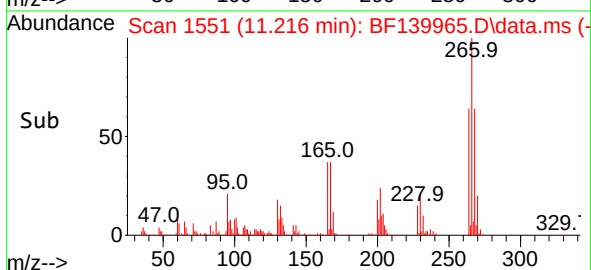
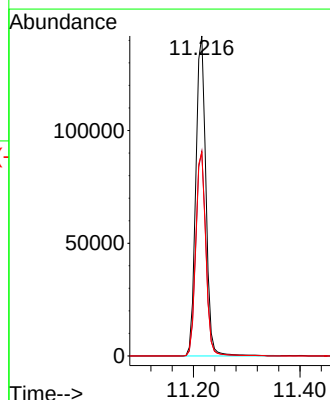
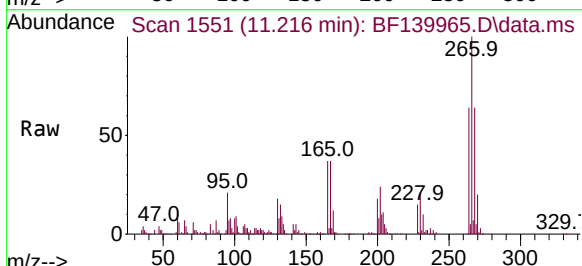
Tgt Ion:266 Resp: 187195

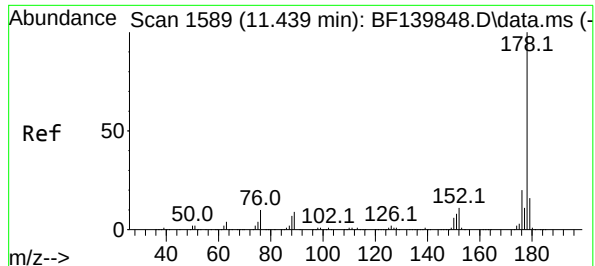
Ion Ratio Lower Upper

266 100

268 63.9 50.4 75.6

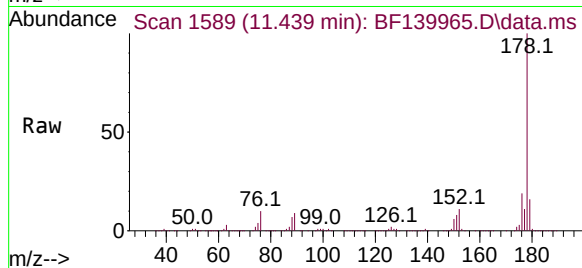
264 63.7 50.6 75.8





#71
Phenanthrene
Concen: 38.958 ng
RT: 11.439 min Scan# 1589
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

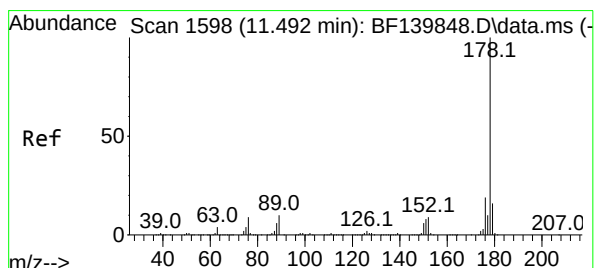
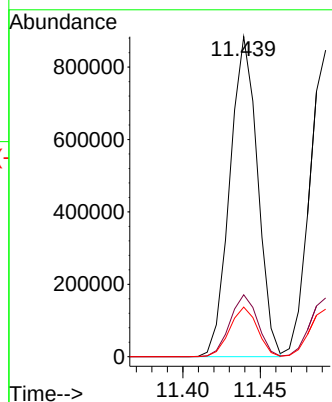
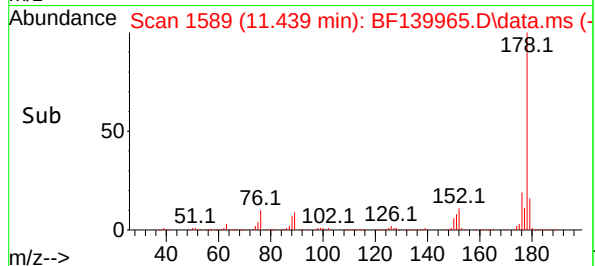
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



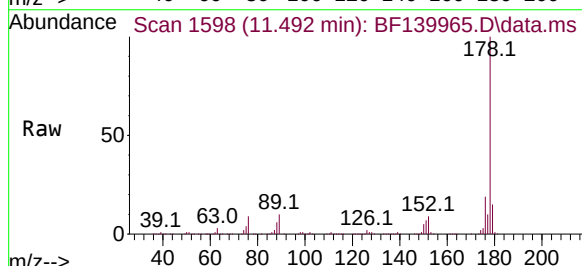
Tgt Ion:178 Resp: 109864
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.6
179 15.5 12.6 18.8

Manual Integrations
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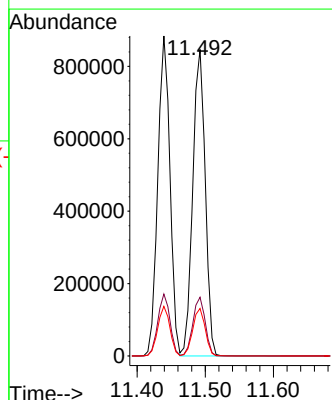
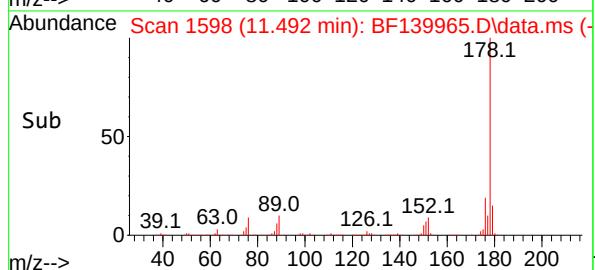
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

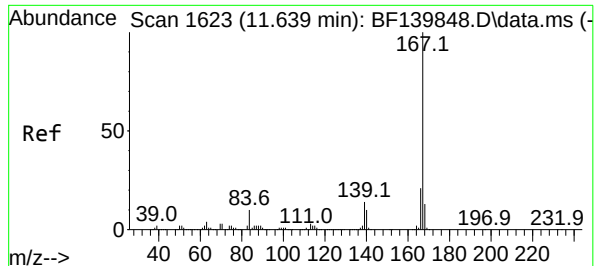


#72
Anthracene
Concen: 38.790 ng
RT: 11.492 min Scan# 1598
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30



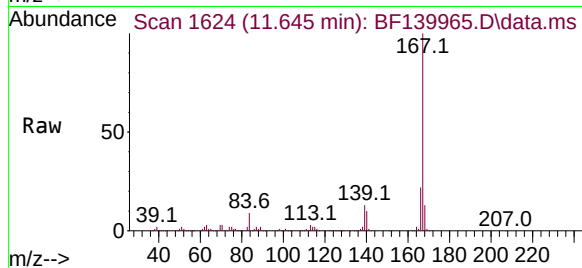
Tgt Ion:178 Resp: 1067309
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.5 12.4 18.6





#73
 Carbazole
 Concen: 38.049 ng
 RT: 11.645 min Scan# 1623
 Delta R.T. 0.006 min
 Lab File: BF139965.D
 Acq: 23 Oct 2024 15:30

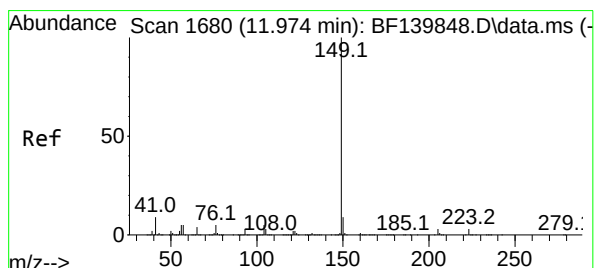
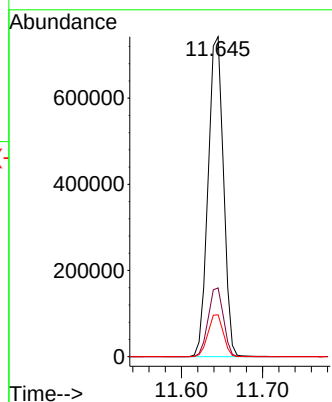
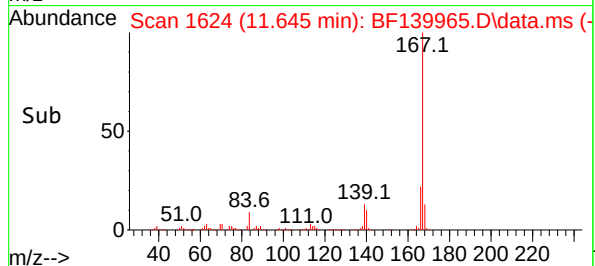
Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040



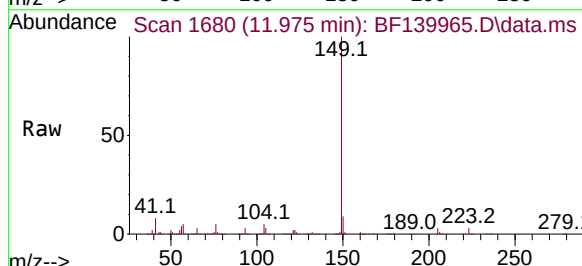
Tgt Ion:167 Resp: 973648
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.0 25.6
 139 13.1 10.8 16.2

Manual Integrations
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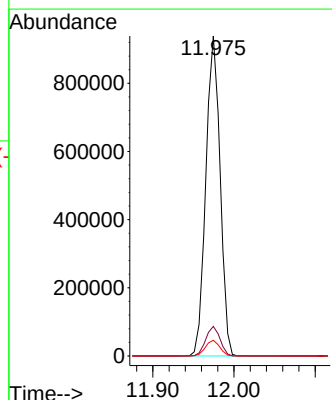
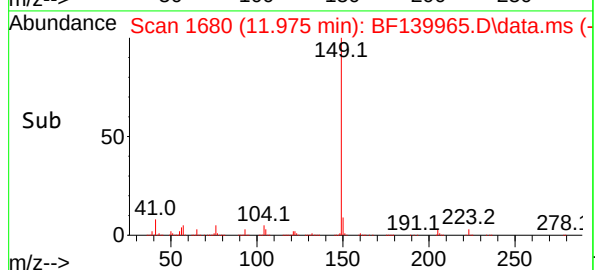
Reviewed By :Yogesh Patel 10/24/2024
 Supervised By :mohammad ahmed 10/24/2024

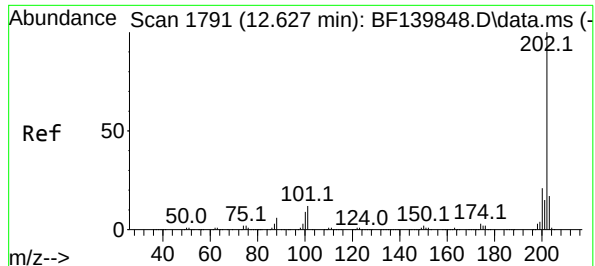


#74
 Di-n-butylphthalate
 Concen: 38.625 ng
 RT: 11.975 min Scan# 1680
 Delta R.T. 0.000 min
 Lab File: BF139965.D
 Acq: 23 Oct 2024 15:30



Tgt Ion:149 Resp: 1141943
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.5 11.3
 104 4.9 4.1 6.1





#75

Fluoranthene

Concen: 37.408 ng

RT: 12.627 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF139965.D

Acq: 23 Oct 2024 15:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:202 Resp: 1066450

Ion Ratio Lower Upper

202 100

101 11.7 0.0 31.9

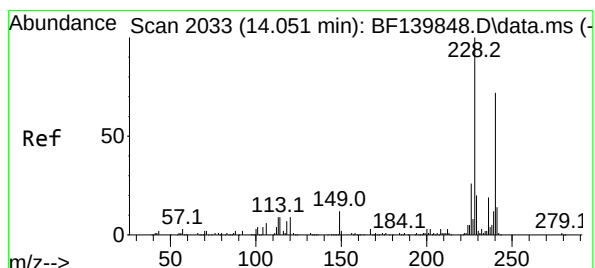
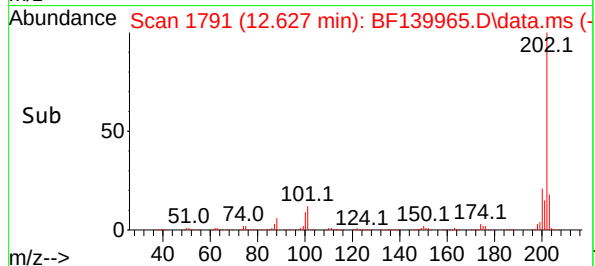
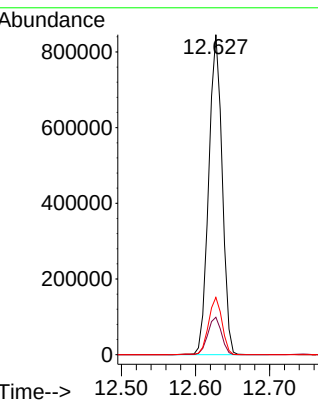
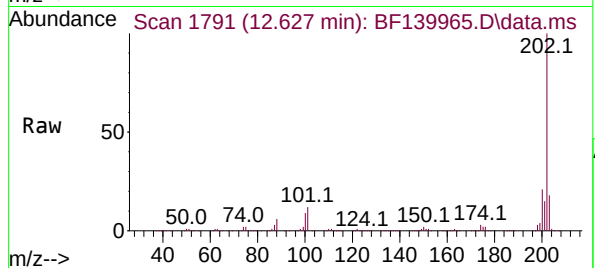
203 17.9 0.0 37.5

Manual Integrations

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Reviewed By :Yogesh Patel 10/24/2024

Supervised By :mohammad ahmed 10/24/2024



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 2034

Delta R.T. 0.006 min

Lab File: BF139965.D

Acq: 23 Oct 2024 15:30

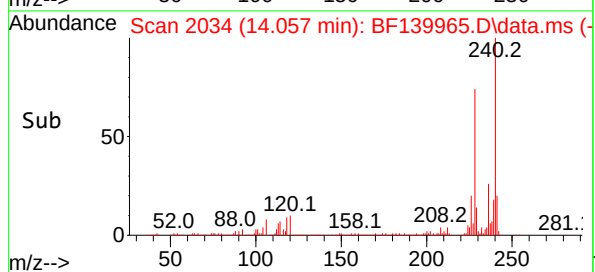
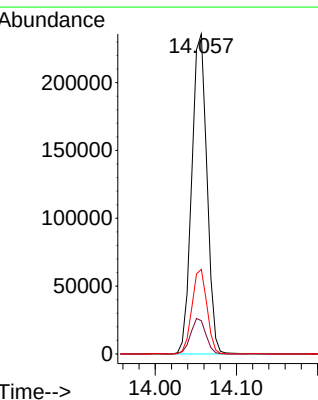
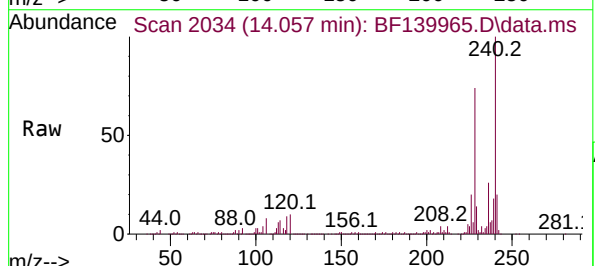
Tgt Ion:240 Resp: 306092

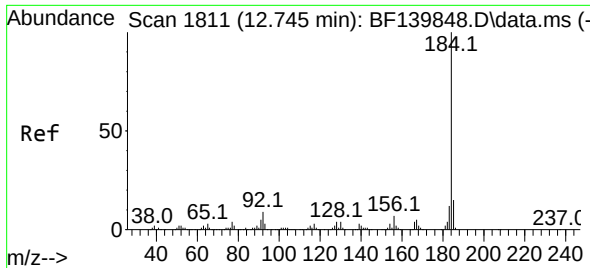
Ion Ratio Lower Upper

240 100

120 10.4 9.4 14.2

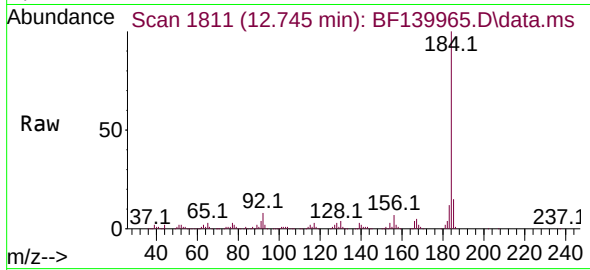
236 26.5 20.9 31.3





#77
Benzidine
Concen: 62.699 ng
RT: 12.745 min Scan# 1811
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

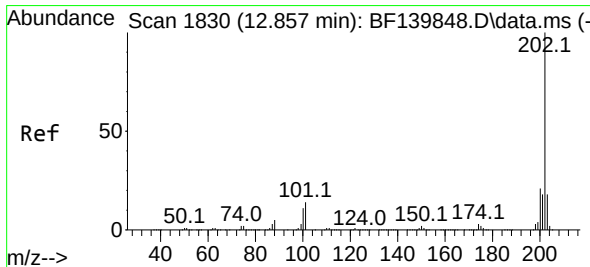
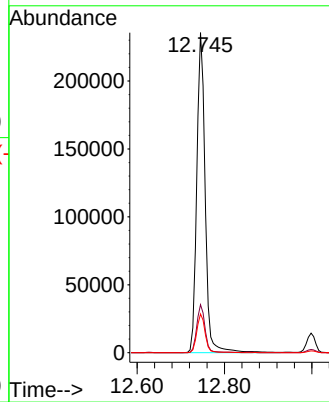
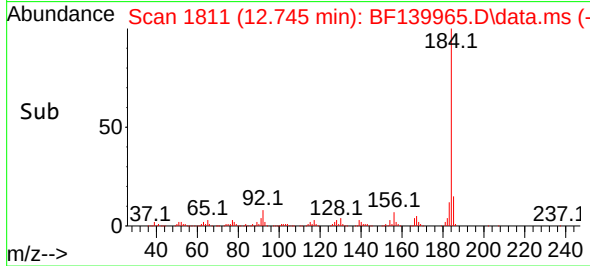
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:184 Resp: 31557
Ion Ratio Lower Upper
184 100
185 15.0 12.0 18.0
183 12.1 9.4 14.2

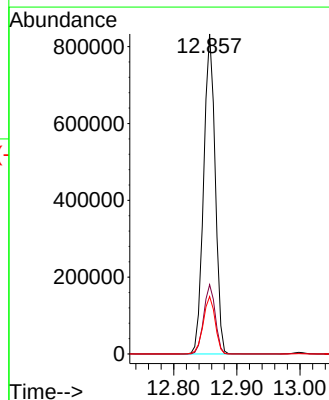
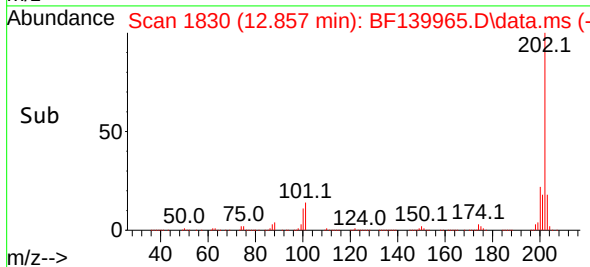
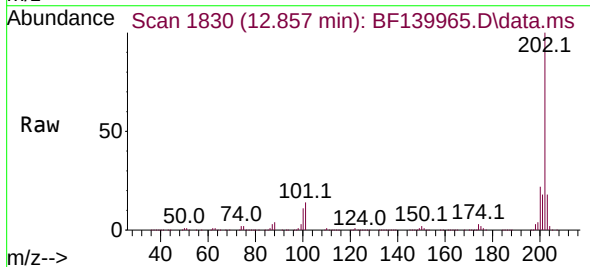
Manual Integrations
APPROVED

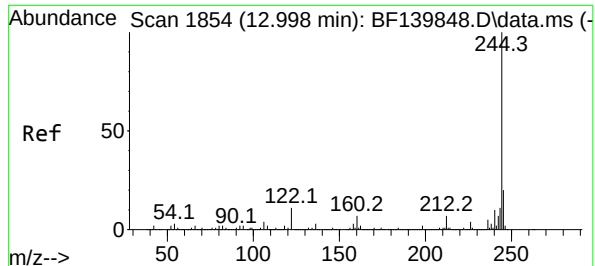
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024



#78
Pyrene
Concen: 39.552 ng
RT: 12.857 min Scan# 1830
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

Tgt Ion:202 Resp: 1059713
Ion Ratio Lower Upper
202 100
200 21.7 17.2 25.8
203 18.0 14.2 21.4





#79

Terphenyl-d14

Concen: 80.002 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.000 min

Lab File: BF139965.D

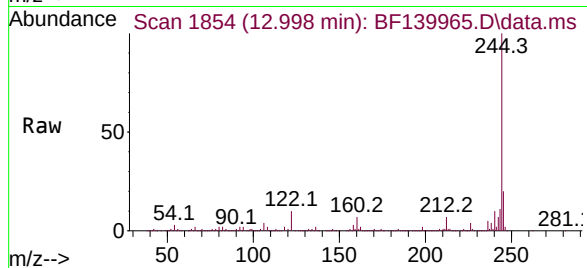
Acq: 23 Oct 2024 15:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:244 Resp: 150280

Ion Ratio Lower Upper

244 100

212 6.7 5.7 8.5

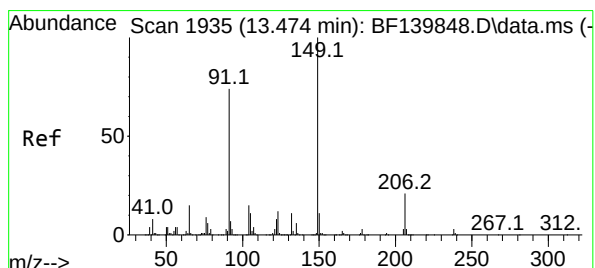
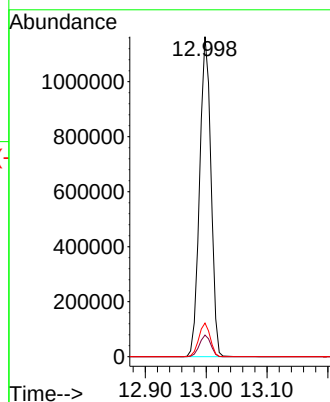
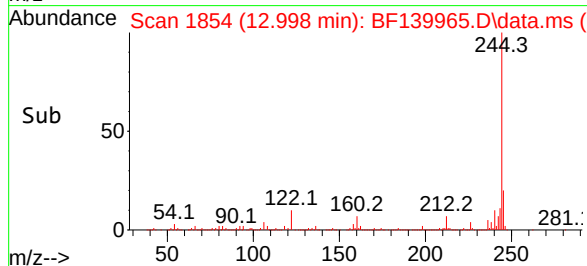
122 10.5 8.6 13.0

Manual Integrations

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Reviewed By :Yogesh Patel 10/24/2024

Supervised By :mohammad ahmed 10/24/2024



#80

Butylbenzylphthalate

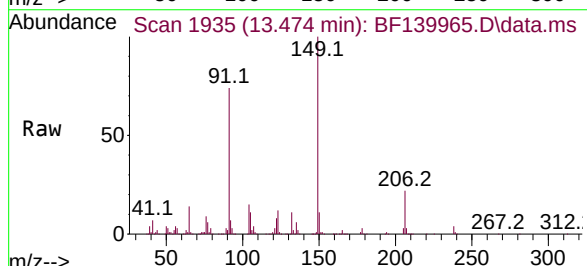
Concen: 41.146 ng

RT: 13.474 min Scan# 1935

Delta R.T. 0.000 min

Lab File: BF139965.D

Acq: 23 Oct 2024 15:30



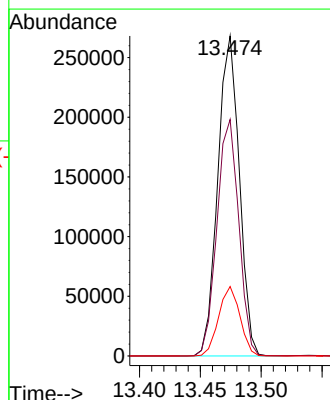
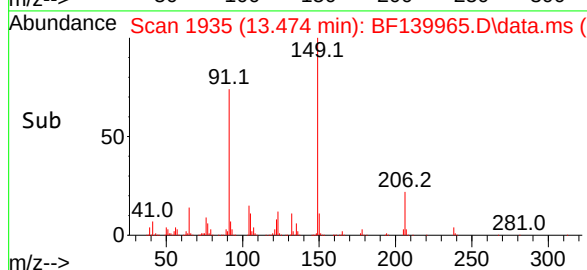
Tgt Ion:149 Resp: 330514

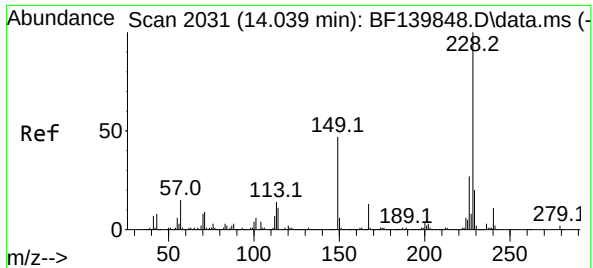
Ion Ratio Lower Upper

149 100

91 73.9 59.4 89.2

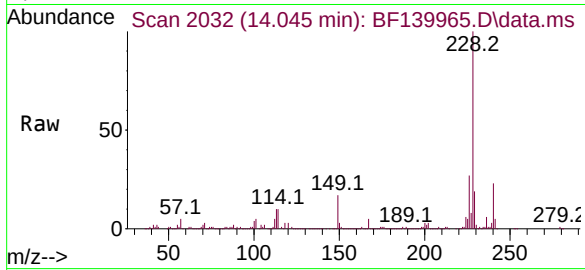
206 21.7 16.4 24.6





#81
Benzo(a)anthracene
Concen: 39.712 ng
RT: 14.045 min Scan# 2031
Delta R.T. 0.006 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

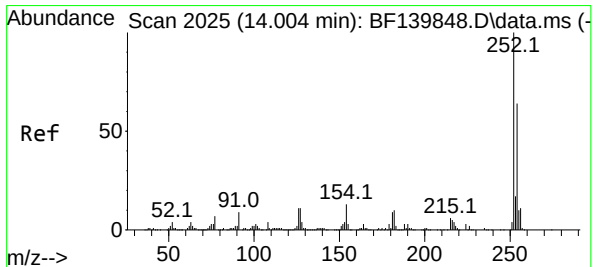
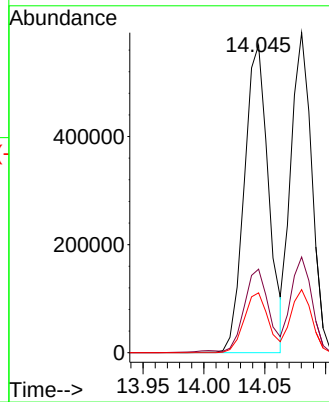
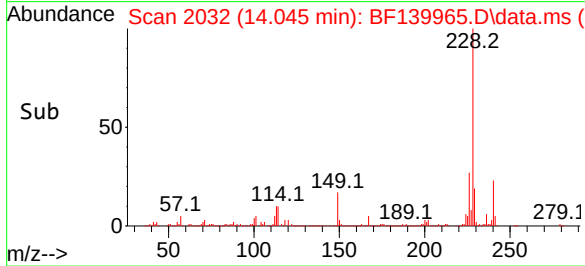
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



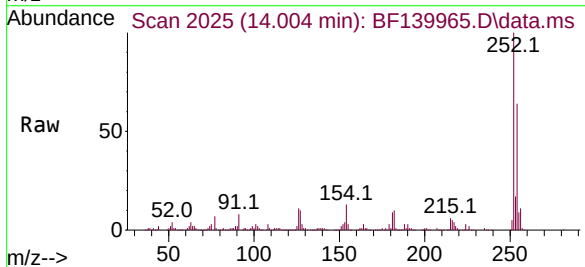
Tgt Ion:228 Resp: 791290
Ion Ratio Lower Upper
228 100
226 27.1 21.6 32.4
229 19.4 16.1 24.1

Manual Integrations
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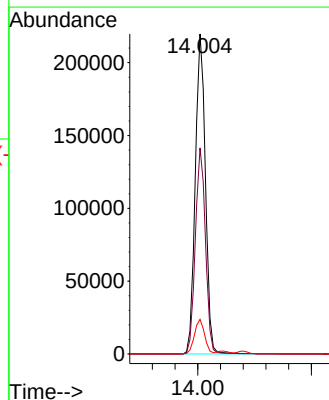
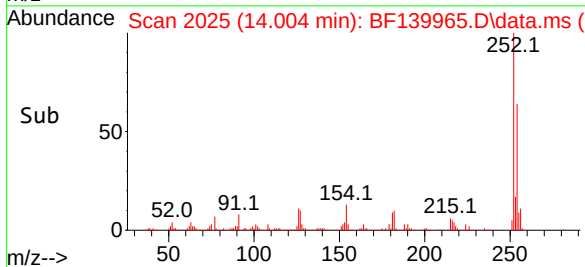
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

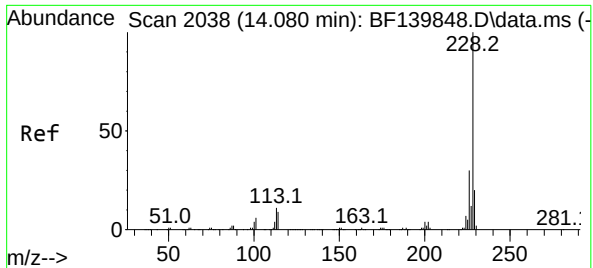


#82
3,3'-Dichlorobenzidine
Concen: 47.107 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30



Tgt Ion:252 Resp: 273674
Ion Ratio Lower Upper
252 100
254 64.4 50.8 76.2
126 10.8 8.9 13.3





#83

Chrysene

Concen: 38.777 ng

RT: 14.080 min Scan# 2038

Delta R.T. 0.000 min

Lab File: BF139965.D

Acq: 23 Oct 2024 15:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:228 Resp: 708429

Ion Ratio Lower Upper

228 100

226 29.9 24.1 36.1

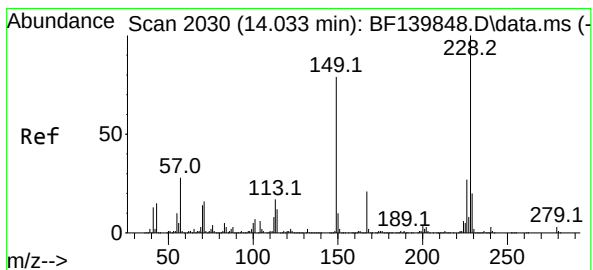
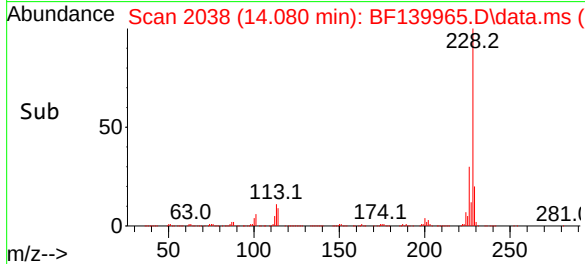
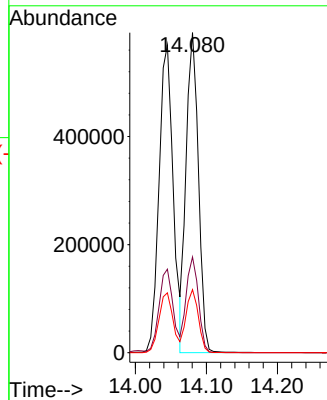
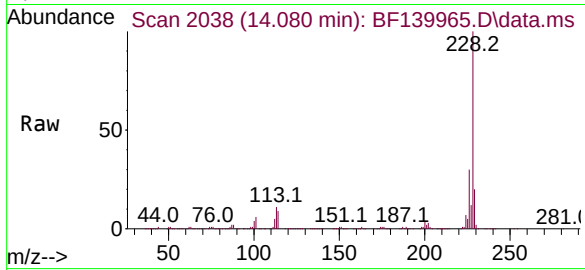
229 19.7 15.8 23.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/24/2024

Supervised By :mohammad ahmed 10/24/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 45.227 ng

RT: 14.033 min Scan# 2030

Delta R.T. 0.000 min

Lab File: BF139965.D

Acq: 23 Oct 2024 15:30

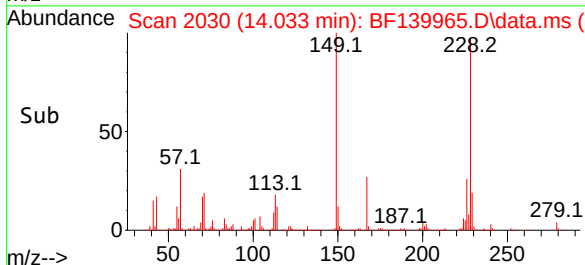
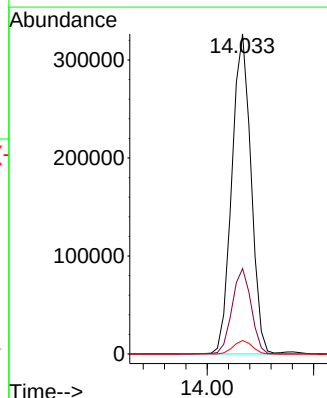
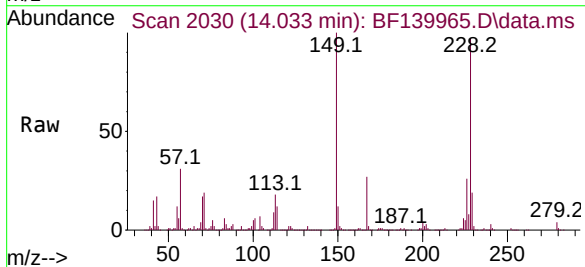
Tgt Ion:149 Resp: 407600

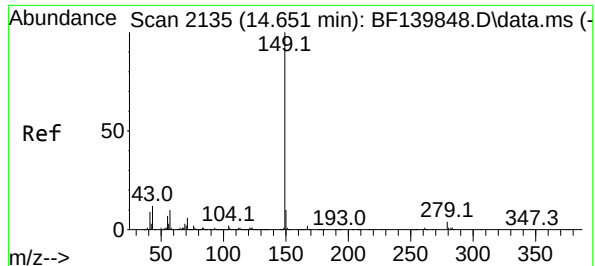
Ion Ratio Lower Upper

149 100

167 26.7 21.4 32.0

279 4.2 3.0 4.4





#85

Di-n-octyl phthalate

Concen: 44.726 ng

RT: 14.645 min Scan# 2135

Delta R.T. -0.006 min

Lab File: BF139965.D

Acq: 23 Oct 2024 15:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:149 Resp: 73315

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

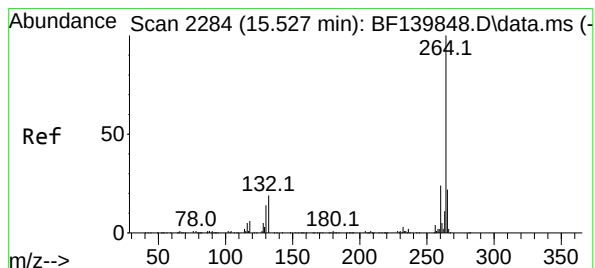
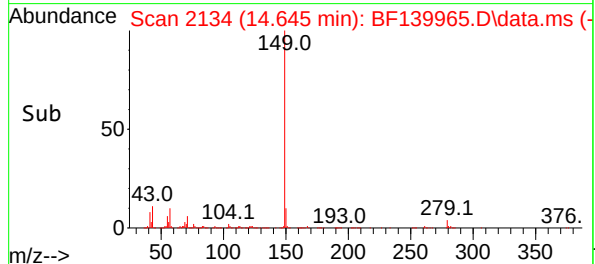
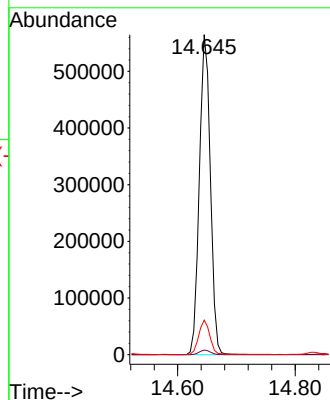
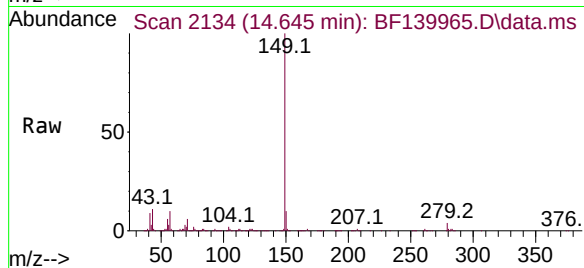
43 10.8 9.8 14.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/24/2024

Supervised By :mohammad ahmed 10/24/2024



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.533 min Scan# 2285

Delta R.T. 0.006 min

Lab File: BF139965.D

Acq: 23 Oct 2024 15:30

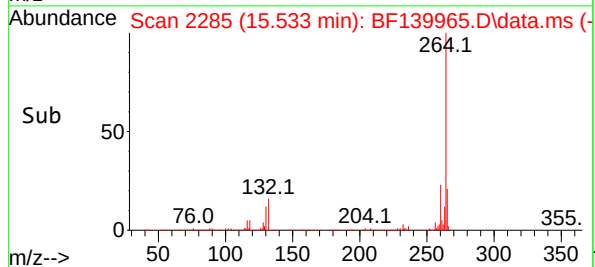
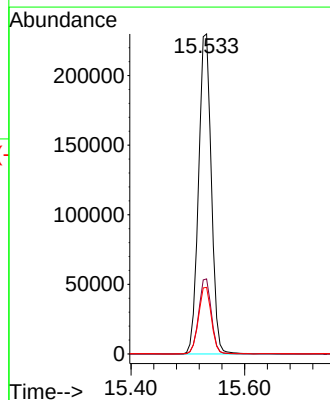
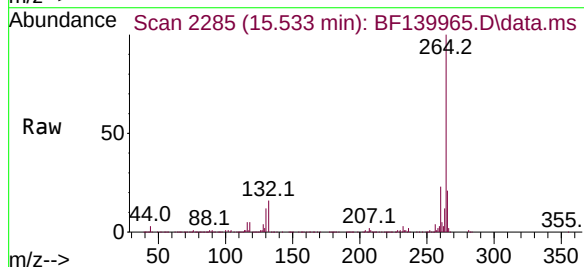
Tgt Ion:264 Resp: 358871

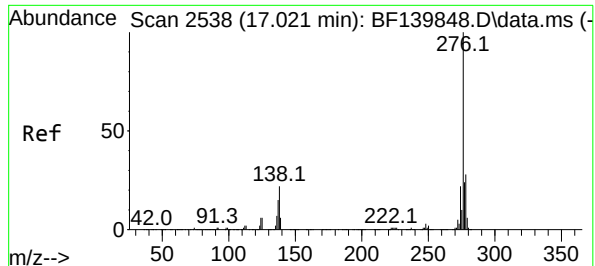
Ion Ratio Lower Upper

264 100

260 23.5 19.4 29.2

265 20.8 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 39.805 ng

RT: 17.027 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF139965.D

Acq: 23 Oct 2024 15:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:276 Resp: 918984

Ion Ratio Lower Upper

276 100

138 23.8 20.4 30.6

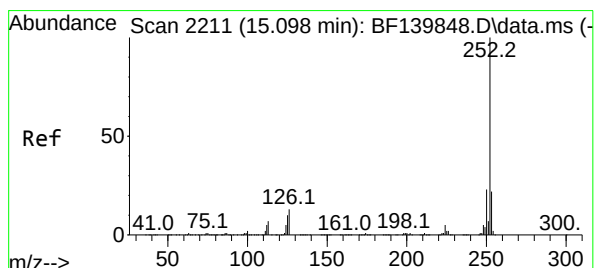
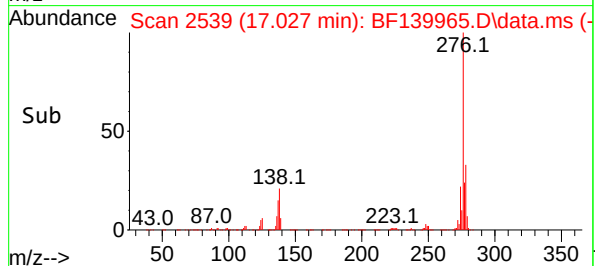
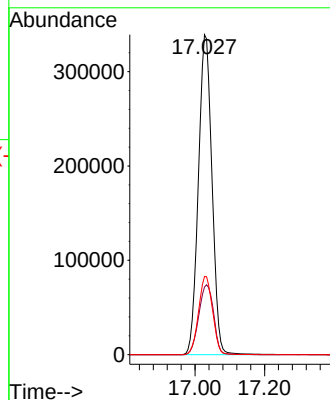
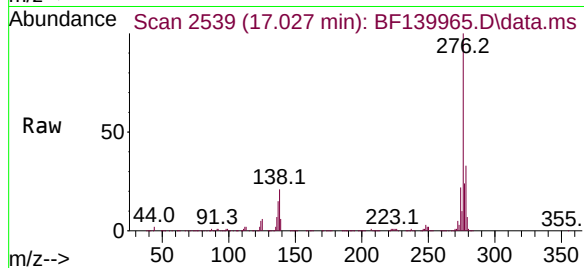
277 25.2 20.2 30.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/24/2024

Supervised By :mohammad ahmed 10/24/2024



#88

Benzo(b)fluoranthene

Concen: 35.551 ng

RT: 15.098 min Scan# 2211

Delta R.T. 0.000 min

Lab File: BF139965.D

Acq: 23 Oct 2024 15:30

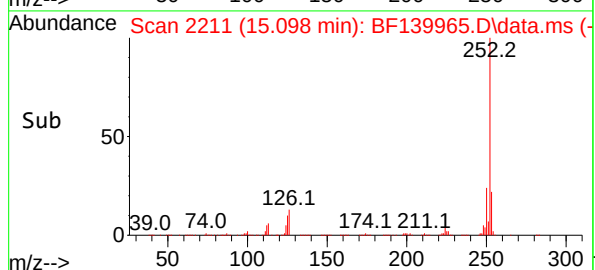
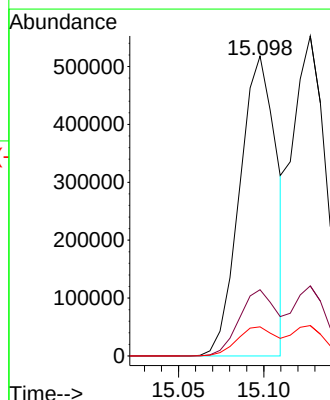
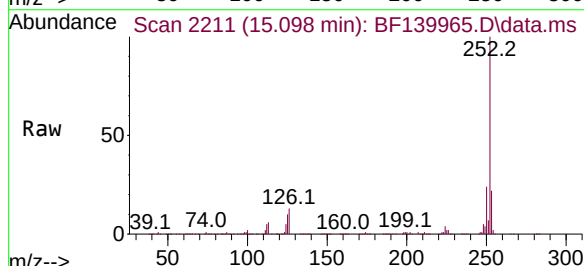
Tgt Ion:252 Resp: 777166

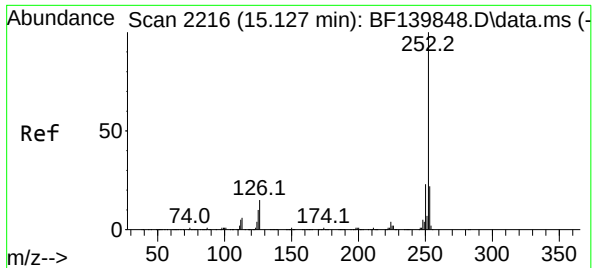
Ion Ratio Lower Upper

252 100

253 22.1 17.6 26.4

125 9.7 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 39.905 ng

RT: 15.127 min Scan# 2216

Delta R.T. 0.000 min

Lab File: BF139965.D

Acq: 23 Oct 2024 15:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:252 Resp: 75233

Ion Ratio Lower Upper

252 100

253 21.9 17.6 26.4

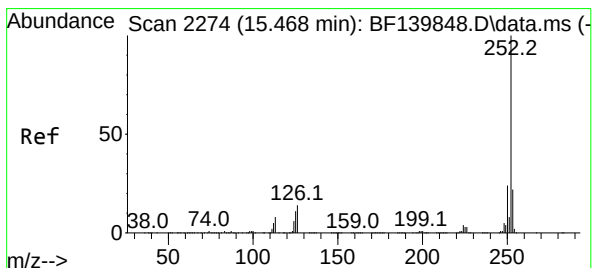
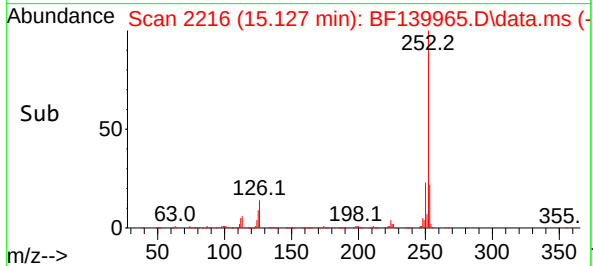
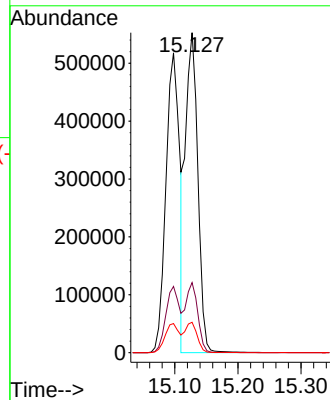
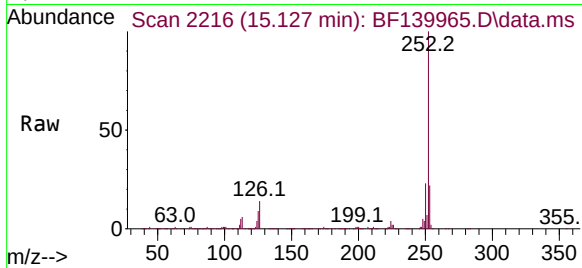
125 9.5 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/24/2024

Supervised By :mohammad ahmed 10/24/2024



#90

Benzo(a)pyrene

Concen: 39.029 ng

RT: 15.468 min Scan# 2274

Delta R.T. 0.000 min

Lab File: BF139965.D

Acq: 23 Oct 2024 15:30

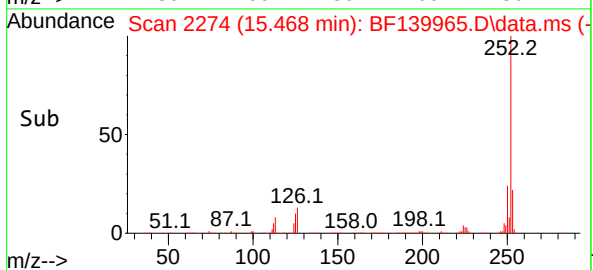
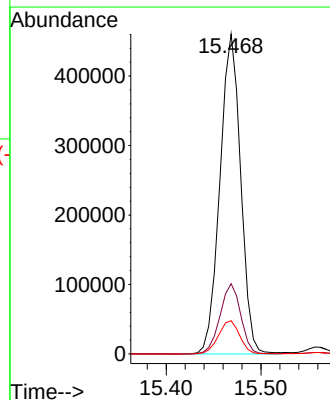
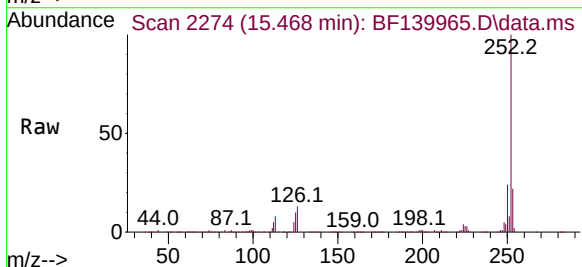
Tgt Ion:252 Resp: 702054

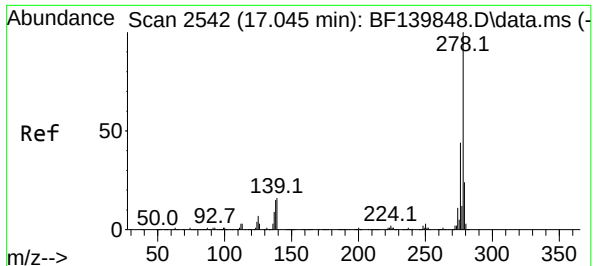
Ion Ratio Lower Upper

252 100

253 21.9 17.3 25.9

125 10.4 8.7 13.1





#91
Dibenzo(a,h)anthracene
Concen: 39.504 ng
RT: 17.051 min Scan# 2543
Delta R.T. 0.006 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

Instrument :

BNA_F

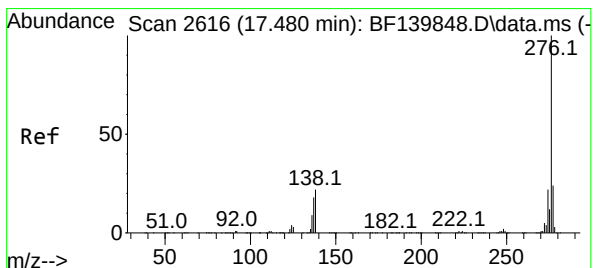
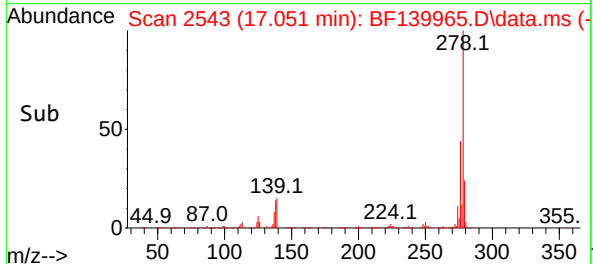
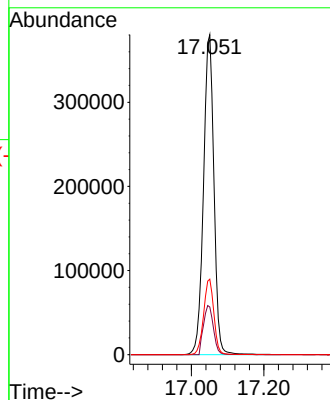
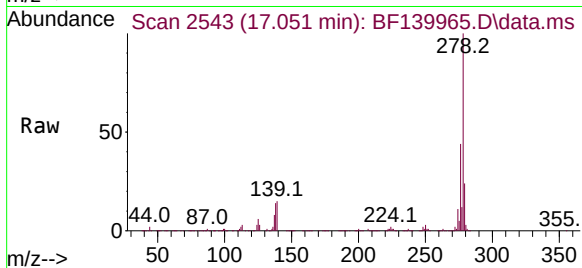
ClientSampleId :

SSTDCCC040

Tgt Ion	Ratio	Lower	Upper
278	100		
139	14.9	13.1	19.7
279	23.6	19.0	28.4

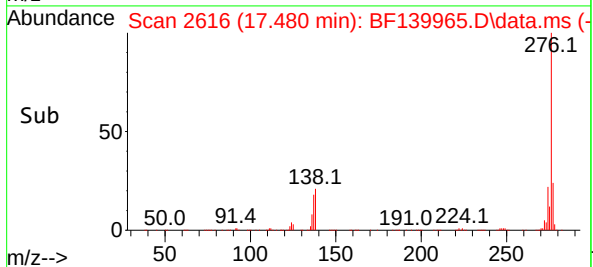
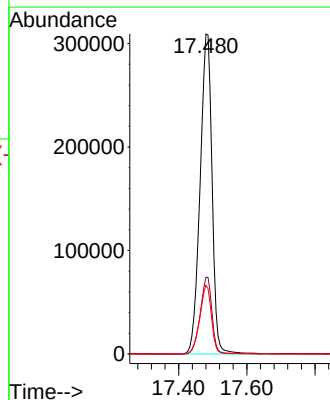
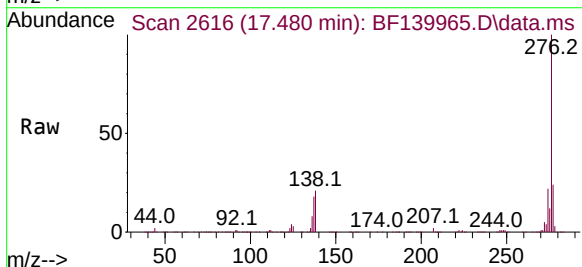
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024



#92
Benzo(g,h,i)perylene
Concen: 39.298 ng
RT: 17.480 min Scan# 2616
Delta R.T. 0.000 min
Lab File: BF139965.D
Acq: 23 Oct 2024 15:30

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.0	28.6
138	21.5	17.4	26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
 Data File : BF139965.D
 Acq On : 23 Oct 2024 15:30
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Oct 23 16:12:41 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	88	0.00
2	1,4-Dioxane	0.596	0.581	2.5	86	-0.02
3	Pyridine	1.476	1.438	2.6	84	-0.01
4	n-Nitrosodimethylamine	0.793	0.721	9.1	79	-0.02
5 S	2-Fluorophenol	1.278	1.233	3.5	85	0.00
6	Aniline	1.542	1.487	3.6	83	0.00
7 S	Phenol-d6	1.655	1.579	4.6	84	0.00
8	2-Chlorophenol	1.306	1.291	1.1	87	0.00
9	Benzaldehyde	0.931	0.939	-0.9	88	0.00
10 C	Phenol	1.706	1.663	2.5	85	0.00
11	bis(2-Chloroethyl)ether	1.319	1.273	3.5	86	0.00
12	1,3-Dichlorobenzene	1.499	1.477	1.5	87	0.00
13 C	1,4-Dichlorobenzene	1.498	1.484	0.9	88	0.00
14	1,2-Dichlorobenzene	1.398	1.383	1.1	88	0.00
15	Benzyl Alcohol	1.214	1.150	5.3	83	0.00
16	2,2'-oxybis(1-Chloropropane	2.248	2.018	10.2	79	0.00
17	2-Methylphenol	1.114	1.099	1.3	87	0.00
18	Hexachloroethane	0.534	0.530	0.7	86	0.00
19 P	n-Nitroso-di-n-propylamine	1.004	0.918	8.6	83	0.00
20	3+4-Methylphenols	1.424	1.388	2.5	86	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	89	0.00
22	Acetophenone	0.490	0.467	4.7	86	0.00
23 S	Nitrobenzene-d5	0.361	0.370	-2.5	89	0.00
24	Nitrobenzene	0.396	0.391	1.3	86	0.00
25	Isophorone	0.685	0.651	5.0	85	0.00
26 C	2-Nitrophenol	0.149	0.175	-17.4	99	0.00
27	2,4-Dimethylphenol	0.249	0.239	4.0	85	0.00
28	bis(2-Chloroethoxy)methane	0.415	0.397	4.3	86	0.00
29 C	2,4-Dichlorophenol	0.283	0.283	0.0	89	0.00
30	1,2,4-Trichlorobenzene	0.314	0.310	1.3	87	0.00
31	Naphthalene	1.031	1.011	1.9	88	0.00
32	Benzoic acid	0.217	0.241	-11.1	98	0.00
33	4-Chloroaniline	0.352	0.340	3.4	86	0.00
34 C	Hexachlorobutadiene	0.197	0.199	-1.0	90	0.00
35	Caprolactam	0.090	0.092	-2.2	89	0.00
36 C	4-Chloro-3-methylphenol	0.314	0.308	1.9	87	0.00
37	2-Methylnaphthalene	0.632	0.618	2.2	88	0.00
38	1-Methylnaphthalene	0.620	0.602	2.9	87	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	90	0.00
40	1,2,4,5-Tetrachlorobenzene	0.540	0.540	0.0	90	0.00
41 P	Hexachlorocyclopentadiene	0.188	0.193	-2.7	87	0.00
42 S	2,4,6-Tribromophenol	0.187	0.204	-9.1	98	0.00
43 C	2,4,6-Trichlorophenol	0.382	0.381	0.3	88	0.00
44	2,4,5-Trichlorophenol	0.394	0.415	-5.3	93	0.00
45 S	2-Fluorobiphenyl	1.210	1.169	3.4	90	0.00
46	1,1'-Biphenyl	1.392	1.351	2.9	88	0.00
47	2-Chloronaphthalene	1.121	1.097	2.1	88	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
 Data File : BF139965.D
 Acq On : 23 Oct 2024 15:30
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Oct 23 16:12:41 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	2-Nitroaniline	0.343	0.369	-7.6	91	0.00
49	Acenaphthylene	1.621	1.588	2.0	88	0.00
50	Dimethylphthalate	1.246	1.226	1.6	89	0.00
51	2,6-Dinitrotoluene	0.270	0.289	-7.0	92	0.00
52 C	Acenaphthene	1.049	1.051	-0.2	90	0.00
53	3-Nitroaniline	0.278	0.292	-5.0	89	0.00
54 P	2,4-Dinitrophenol	0.093	0.139	-49.5#	123	0.00
55	Dibenzofuran	1.505	1.458	3.1	88	0.00
56 P	4-Nitrophenol	0.214	0.228	-6.5	88	0.00
57	2,4-Dinitrotoluene	0.332	0.379	-14.2	95	0.00
58	Fluorene	1.146	1.118	2.4	90	0.00
59	2,3,4,6-Tetrachlorophenol	0.309	0.324	-4.9	94	0.00
60	Diethylphthalate	1.223	1.211	1.0	89	0.00
61	4-Chlorophenyl-phenylether	0.579	0.574	0.9	90	0.00
62	4-Nitroaniline	0.263	0.280	-6.5	91	0.00
63	Azobenzene	1.297	1.226	5.5	84	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	90	0.00
65	4,6-Dinitro-2-methylphenol	0.082	0.112	-36.6#	115	0.00
66 c	n-Nitrosodiphenylamine	0.599	0.583	2.7	88	0.00
67	4-Bromophenyl-phenylether	0.206	0.211	-2.4	94	0.00
68	Hexachlorobenzene	0.232	0.234	-0.9	91	0.00
69	Atrazine	0.162	0.166	-2.5	85	0.00
70 C	Pentachlorophenol	0.141	0.157	-11.3	93	0.00
71	Phenanthrene	0.945	0.920	2.6	89	0.00
72	Anthracene	0.922	0.894	3.0	88	0.00
73	Carbazole	0.857	0.815	4.9	87	0.00
74	Di-n-butylphthalate	0.990	0.956	3.4	85	0.00
75 C	Fluoranthene	0.955	0.893	6.5	85	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	89	0.00
77	Benzydine	0.329	0.515	-56.5#	125	0.00
78	Pyrene	1.751	1.731	1.1	85	0.00
79 S	Terphenyl-d14	1.227	1.227	0.0	87	0.00
80	Butylbenzylphthalate	0.525	0.540	-2.9	86	0.00
81	Benzo(a)anthracene	1.302	1.293	0.7	86	0.00
82	3,3'-Dichlorobenzidine	0.380	0.447	-17.6	102	0.00
83	Chrysene	1.194	1.157	3.1	88	0.00
84	Bis(2-ethylhexyl)phthalate	0.589	0.666	-13.1	94	0.00
85 c	Di-n-octyl phthalate	1.071	1.198	-11.9	93	0.00
86 I	Perylene-d12	1.000	1.000	0.0	98	0.00
87	Indeno(1,2,3-cd)pyrene	1.287	1.280	0.5	93	0.00
88	Benzo(b)fluoranthene	1.218	1.083	11.1	89	0.00
89	Benzo(k)fluoranthene	1.051	1.048	0.3	97	0.00
90 C	Benzo(a)pyrene	1.002	0.978	2.4	94	0.00
91	Dibenzo(a,h)anthracene	1.073	1.060	1.2	93	0.00
92	Benzo(g,h,i)perylene	1.072	1.053	1.8	92	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
Data File : BF139965.D
Acq On : 23 Oct 2024 15:30
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 23 16:12:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
 Data File : BF139965.D
 Acq On : 23 Oct 2024 15:30
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Oct 23 16:12:41 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	88	0.00
2	1,4-Dioxane	40.000	39.035	2.4	86	-0.02
3	Pyridine	40.000	38.955	2.6	84	-0.01
4	n-Nitrosodimethylamine	40.000	36.378	9.1	79	-0.02
5 S	2-Fluorophenol	80.000	77.208	3.5	85	0.00
6	Aniline	40.000	38.564	3.6	83	0.00
7 S	Phenol-d6	80.000	76.328	4.6	84	0.00
8	2-Chlorophenol	40.000	39.524	1.2	87	0.00
9	Benzaldehyde	40.000	40.347	-0.9	88	0.00
10 C	Phenol	40.000	39.005	2.5	85	0.00
11	bis(2-Chloroethyl)ether	40.000	38.618	3.5	86	0.00
12	1,3-Dichlorobenzene	40.000	39.402	1.5	87	0.00
13 C	1,4-Dichlorobenzene	40.000	39.636	0.9	88	0.00
14	1,2-Dichlorobenzene	40.000	39.574	1.1	88	0.00
15	Benzyl Alcohol	40.000	37.910	5.2	83	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	35.911	10.2	79	0.00
17	2-Methylphenol	40.000	39.467	1.3	87	0.00
18	Hexachloroethane	40.000	39.670	0.8	86	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	36.609	8.5	83	0.00
20	3+4-Methylphenols	40.000	38.982	2.5	86	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	89	0.00
22	Acetophenone	40.000	38.152	4.6	86	0.00
23 S	Nitrobenzene-d5	80.000	82.113	-2.6	89	0.00
24	Nitrobenzene	40.000	39.545	1.1	86	0.00
25	Isophorone	40.000	37.995	5.0	85	0.00
26 C	2-Nitrophenol	40.000	46.836	-17.1	99	0.00
27	2,4-Dimethylphenol	40.000	38.382	4.0	85	0.00
28	bis(2-Chloroethoxy)methane	40.000	38.252	4.4	86	0.00
29 C	2,4-Dichlorophenol	40.000	39.971	0.1	89	0.00
30	1,2,4-Trichlorobenzene	40.000	39.591	1.0	87	0.00
31	Naphthalene	40.000	39.208	2.0	88	0.00
32	Benzoic acid	40.000	44.497	-11.2	98	0.00
33	4-Chloroaniline	40.000	38.637	3.4	86	0.00
34 C	Hexachlorobutadiene	40.000	40.436	-1.1	90	0.00
35	Caprolactam	40.000	40.942	-2.4	89	0.00
36 C	4-Chloro-3-methylphenol	40.000	39.260	1.9	87	0.00
37	2-Methylnaphthalene	40.000	39.114	2.2	88	0.00
38	1-Methylnaphthalene	40.000	38.841	2.9	87	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	90	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	40.047	-0.1	90	0.00
41 P	Hexachlorocyclopentadiene	40.000	41.044	-2.6	87	0.00
42 S	2,4,6-Tribromophenol	80.000	87.444	-9.3	98	0.00
43 C	2,4,6-Trichlorophenol	40.000	39.893	0.3	88	0.00
44	2,4,5-Trichlorophenol	40.000	42.132	-5.3	93	0.00
45 S	2-Fluorobiphenyl	80.000	77.274	3.4	90	0.00
46	1,1'-Biphenyl	40.000	38.820	2.9	88	0.00
47	2-Chloronaphthalene	40.000	39.125	2.2	88	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
 Data File : BF139965.D
 Acq On : 23 Oct 2024 15:30
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Oct 23 16:12:41 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	43.073	-7.7	91	0.00
49	Acenaphthylene	40.000	39.178	2.1	88	0.00
50	Dimethylphthalate	40.000	39.360	1.6	89	0.00
51	2,6-Dinitrotoluene	40.000	42.888	-7.2	92	0.00
52 C	Acenaphthene	40.000	40.088	-0.2	90	0.00
53	3-Nitroaniline	40.000	41.975	-4.9	89	0.00
54 P	2,4-Dinitrophenol	40.000	52.057	-30.1#	123	0.00
55	Dibenzofuran	40.000	38.748	3.1	88	0.00
56 P	4-Nitrophenol	40.000	42.690	-6.7	88	0.00
57	2,4-Dinitrotoluene	40.000	45.716	-14.3	95	0.00
58	Fluorene	40.000	39.027	2.4	90	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	41.916	-4.8	94	0.00
60	Diethylphthalate	40.000	39.586	1.0	89	0.00
61	4-Chlorophenyl-phenylether	40.000	39.685	0.8	90	0.00
62	4-Nitroaniline	40.000	42.606	-6.5	91	0.00
63	Azobenzene	40.000	37.820	5.4	84	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	90	0.00
65	4,6-Dinitro-2-methylphenol	40.000	54.698	-36.7#	115	0.00
66 c	n-Nitrosodiphenylamine	40.000	38.988	2.5	88	0.00
67	4-Bromophenyl-phenylether	40.000	40.878	-2.2	94	0.00
68	Hexachlorobenzene	40.000	40.396	-1.0	91	0.00
69	Atrazine	40.000	40.949	-2.4	85	0.00
70 C	Pentachlorophenol	40.000	44.591	-11.5	93	0.00
71	Phenanthrene	40.000	38.958	2.6	89	0.00
72	Anthracene	40.000	38.790	3.0	88	0.00
73	Carbazole	40.000	38.049	4.9	87	0.00
74	Di-n-butylphthalate	40.000	38.625	3.4	85	0.00
75 C	Fluoranthene	40.000	37.408	6.5	85	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	89	0.00
77	Benzydine	40.000	62.699	-56.7#	125	0.00
78	Pyrene	40.000	39.552	1.1	85	0.00
79 S	Terphenyl-d14	80.000	80.002	-0.0	87	0.00
80	Butylbenzylphthalate	40.000	41.146	-2.9	86	0.00
81	Benzo(a)anthracene	40.000	39.712	0.7	86	0.00
82	3,3'-Dichlorobenzidine	40.000	47.107	-17.8	102	0.00
83	Chrysene	40.000	38.777	3.1	88	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	45.227	-13.1	94	0.00
85 c	Di-n-octyl phthalate	40.000	44.726	-11.8	93	0.00
86 I	Perylene-d12	20.000	20.000	0.0	98	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	39.805	0.5	93	0.00
88	Benzo(b)fluoranthene	40.000	35.551	11.1	89	0.00
89	Benzo(k)fluoranthene	40.000	39.905	0.2	97	0.00
90 C	Benzo(a)pyrene	40.000	39.029	2.4	94	0.00
91	Dibenzo(a,h)anthracene	40.000	39.504	1.2	93	0.00
92	Benzo(g,h,i)perylene	40.000	39.298	1.8	92	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
Data File : BF139965.D
Acq On : 23 Oct 2024 15:30
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 23 16:12:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range

SPCC's out = 0 CCC's out = 0



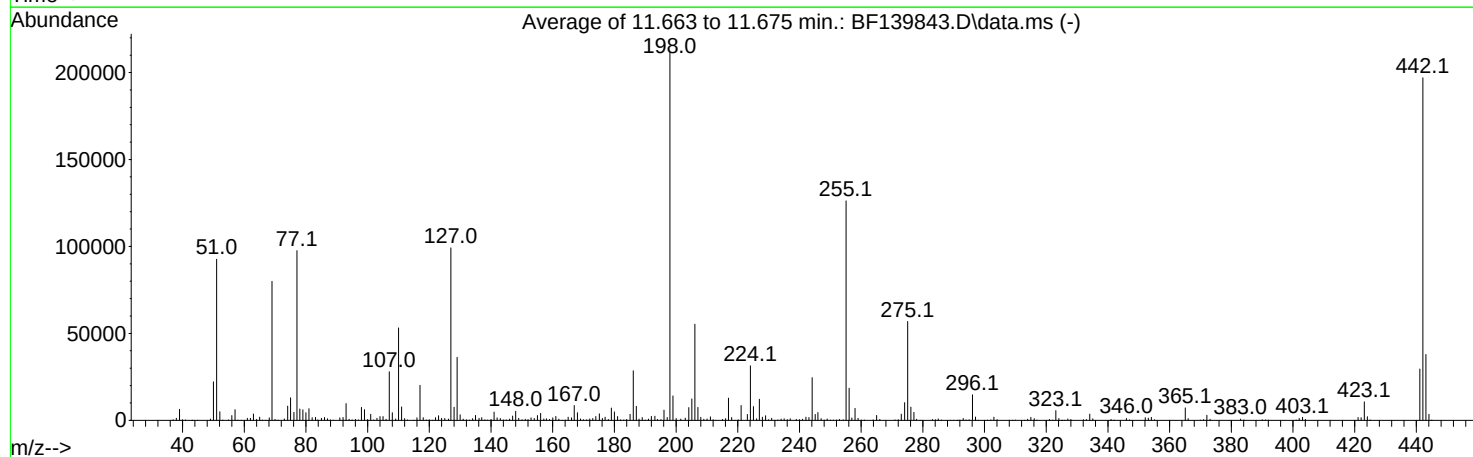
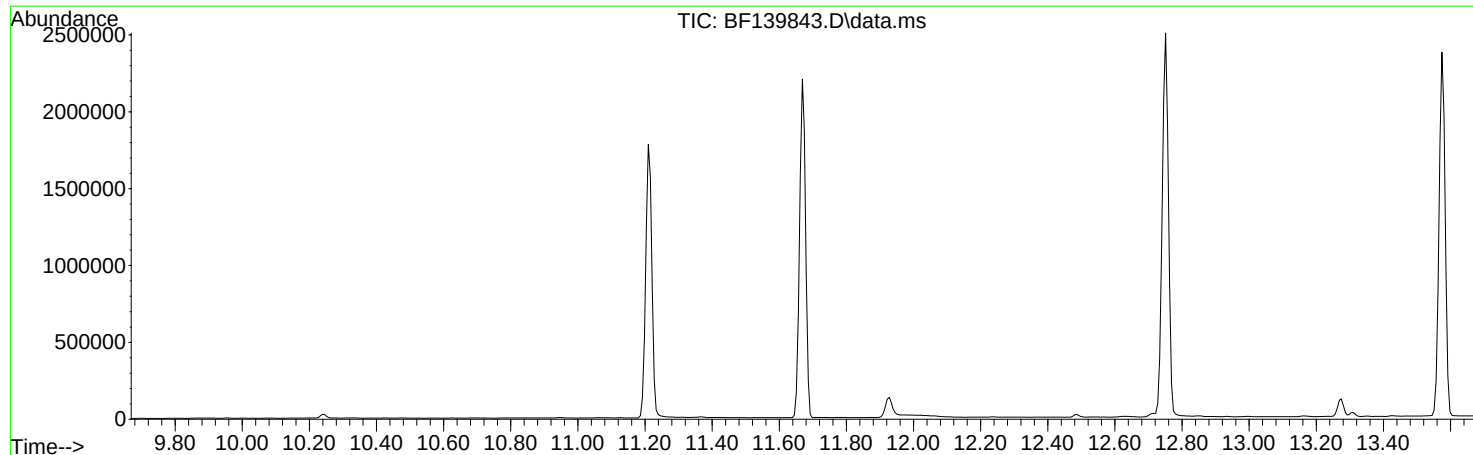
QC SAMPLE DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101824\
Data File : BF139843.D
Acq On : 18 Oct 2024 09:22
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-BF101824.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Oct 18 15:07:50 2024



AutoFind: Scans 1627, 1628, 1629; Background Corrected with Scan 1621

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	43.8	92701	PASS
68	69	0.00	2	1.9	1486	PASS
69	198	0.00	100	37.8	79959	PASS
70	69	0.00	2	0.7	529	PASS
127	198	10	80	46.9	99176	PASS
197	198	0.00	2	0.8	1650	PASS
198	198	100	100	100.0	211520	PASS
199	198	5	9	6.7	14078	PASS
275	198	10	60	26.9	56867	PASS
365	198	1	100	3.4	7148	PASS
441	198	0.01	100	14.0	29512	PASS
442	442	50	100	100.0	196979	PASS
443	442	15	24	19.2	37896	PASS

DDT Breakdown

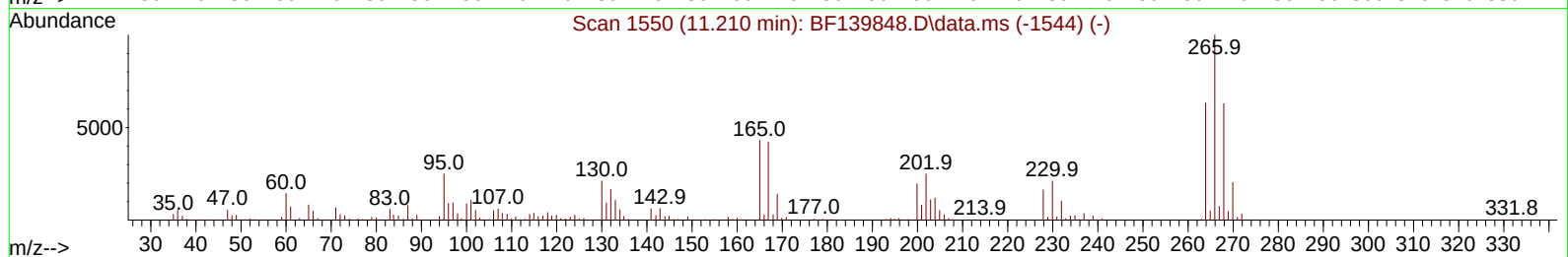
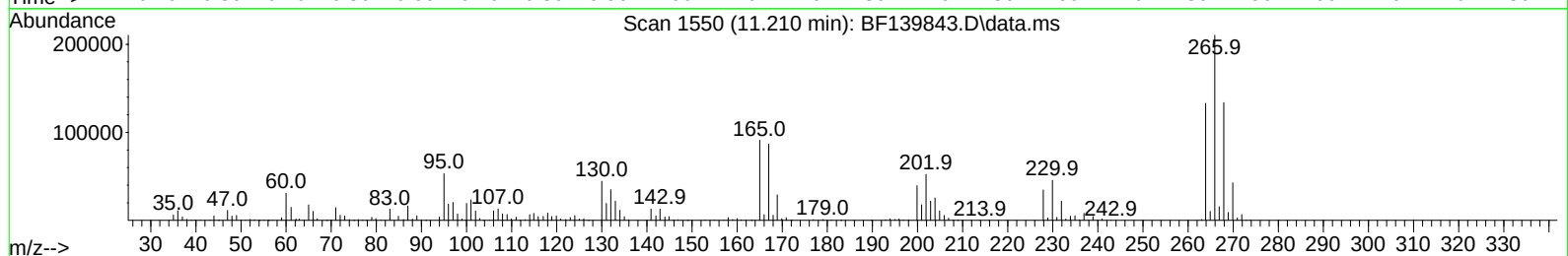
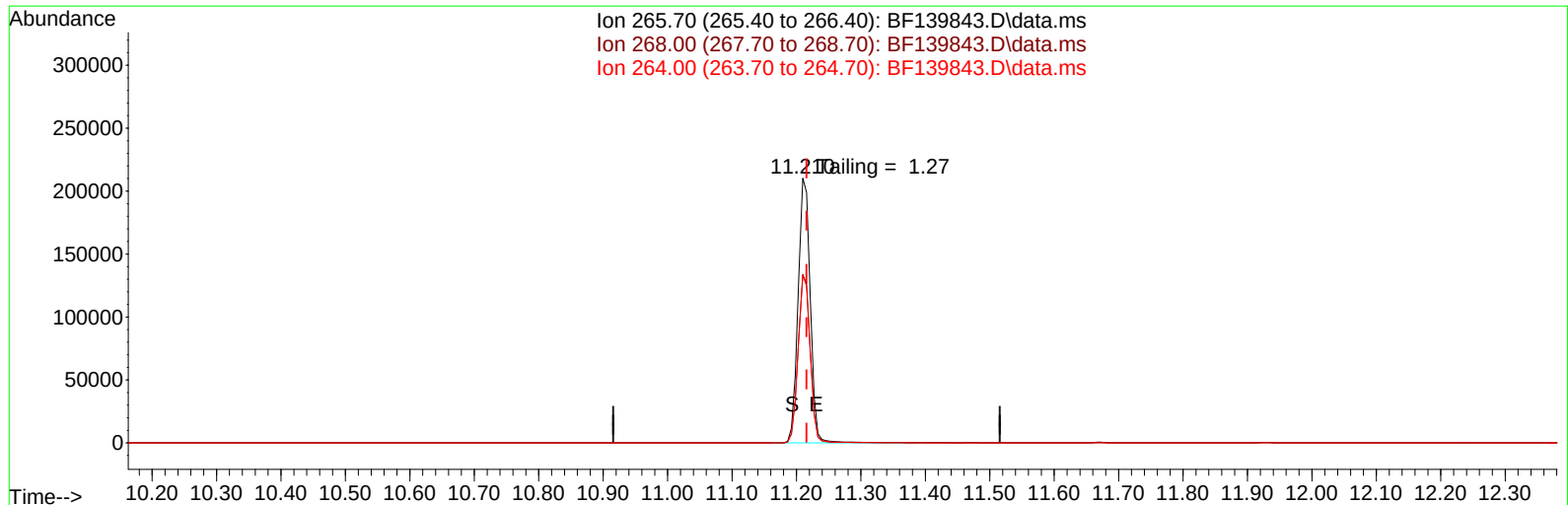
Date	Instrument Name	DFTPP Data File
10/18/2024	BNA_F	<u>BF139843.D</u>
Compound Name	Response	Retention Time
DDT	585942	13.574
DDD	33558	13.274
DDE	421	12.939
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
33979	619921	5.48

Instrument :
BNA_F
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101824\
Data File : BF139843.D
Acq On : 18 Oct 2024 09:22
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Oct 18 11:03:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 11:03:04 2024
Response via : Initial Calibration



TIC: BF139843.D\data.ms

(70) Pentachlorophenol (C)

11.210min (-0.006) 60102.24 ng

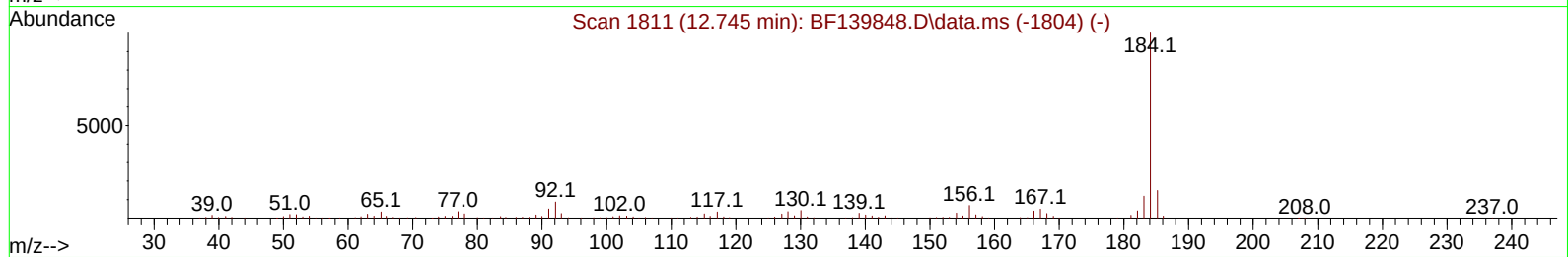
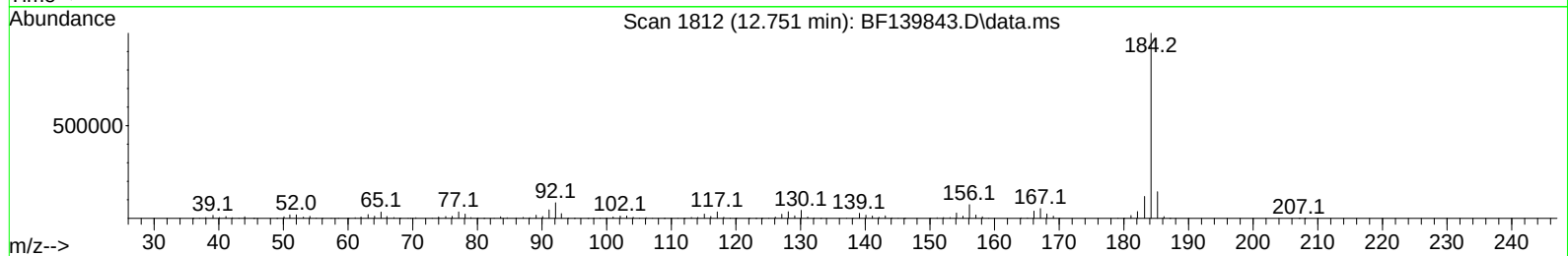
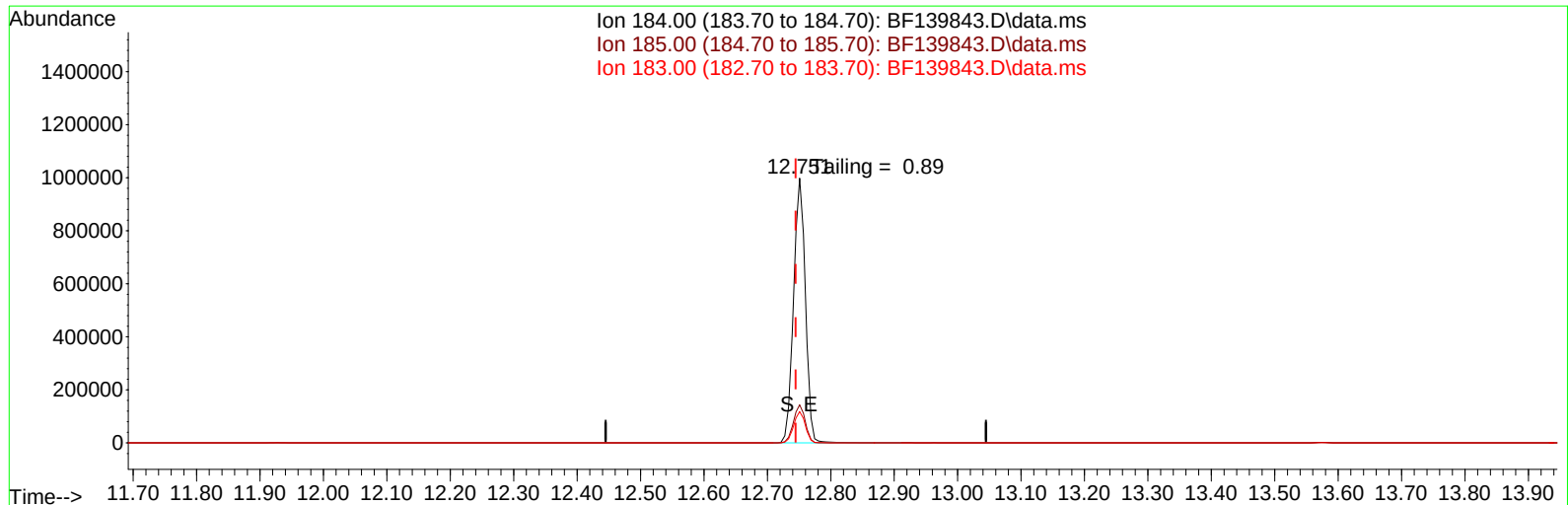
response 277191

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.00	63.60
264.00	62.50	63.30
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101824\
Data File : BF139843.D
Acq On : 18 Oct 2024 09:22
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Oct 18 11:03:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 11:03:04 2024
Response via : Initial Calibration



TIC: BF139843.D\data.ms

(77) Benzidine

12.751min (+ 0.006) 86231.01 ng

response 1303015

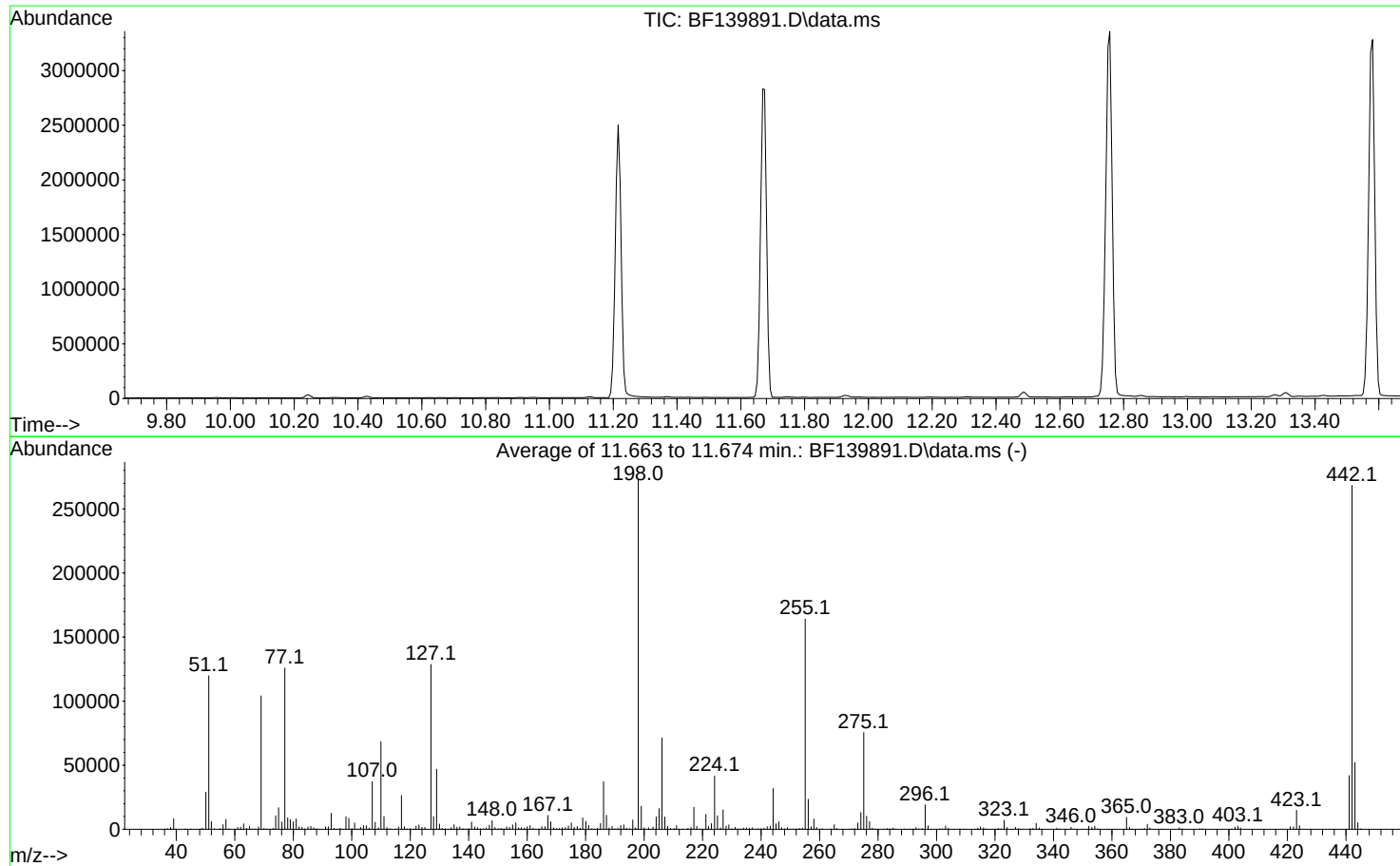
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	14.39
183.00	11.70	11.82
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102124\
Data File : BF139891.D
Acq On : 21 Oct 2024 09:28
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-BF101824.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Oct 18 15:07:50 2024



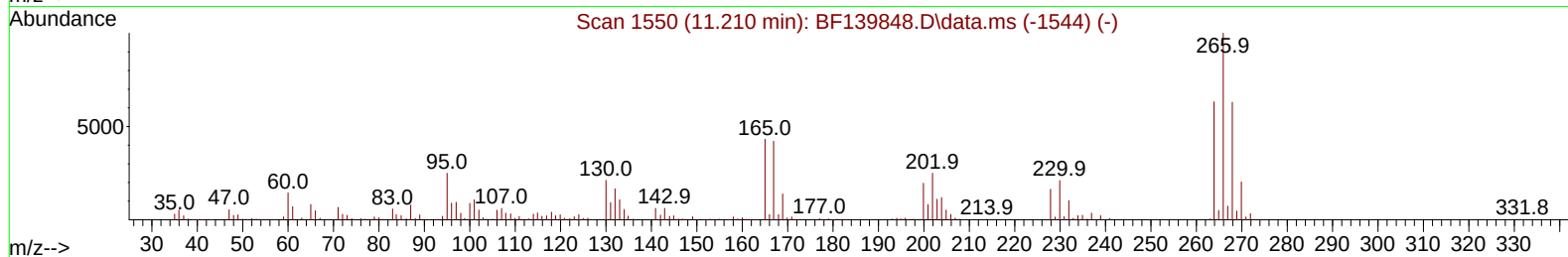
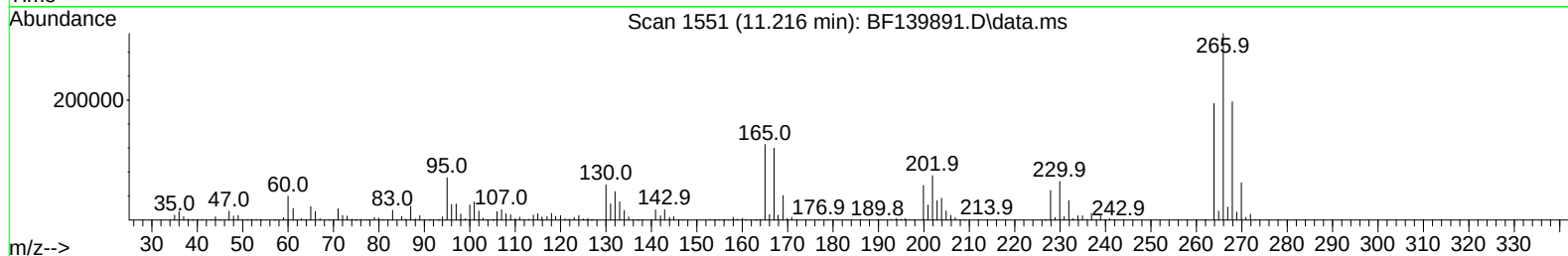
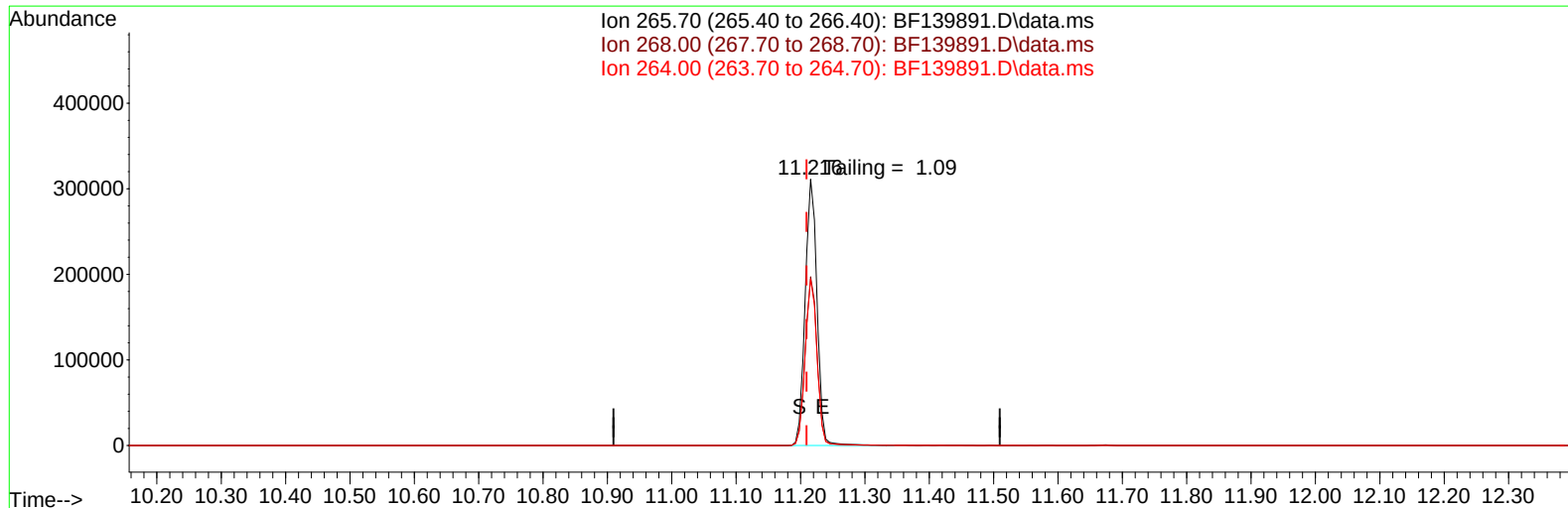
AutoFind: Scans 1627, 1628, 1629; Background Corrected with Scan 1621

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	43.9	119787	PASS
68	69	0.00	2	1.7	1765	PASS
69	198	0.00	100	38.2	104142	PASS
70	69	0.00	2	0.6	599	PASS
127	198	10	80	47.1	128648	PASS
197	198	0.00	2	0.4	1218	PASS
198	198	100	100	100.0	272917	PASS
199	198	5	9	6.6	18009	PASS
275	198	10	60	27.7	75493	PASS
365	198	1	100	3.5	9452	PASS
441	198	0.01	100	15.4	41963	PASS
442	442	50	100	100.0	268416	PASS
443	442	15	24	19.4	51981	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102124\
Data File : BF139891.D
Acq On : 21 Oct 2024 09:28
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Oct 21 11:06:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration



TIC: BF139891.D\data.ms

(70) Pentachlorophenol (C)

11.216min (+ 0.006) 62101.95 ng

response 401749

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.00	63.39
264.00	63.20	62.51
0.00	0.00	0.00

Instrument :
BNA_F
ClientSampleId :
DFTPP

Abundance

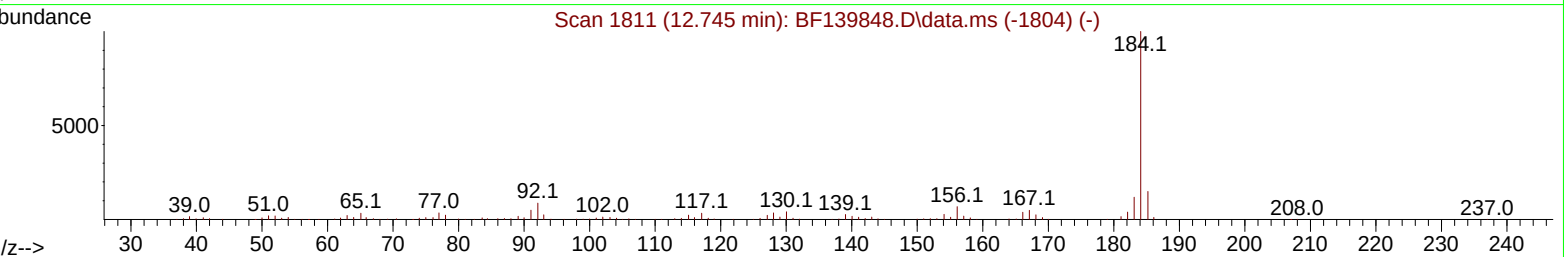
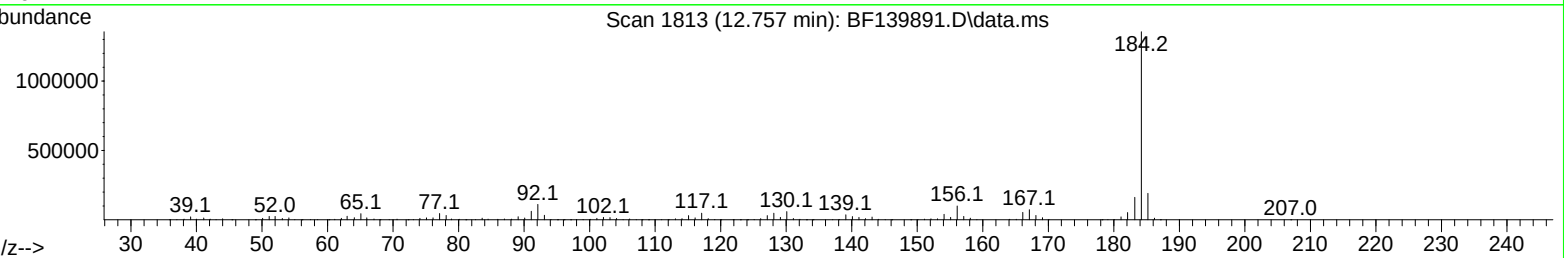
lon 184.00 (183.70 to 184.70): BF139891.D\data.ms
lon 185.00 (184.70 to 185.70): BF139891.D\data.ms
lon 183.00 (182.70 to 183.70): BF139891.D\data.ms

12.757
Tail = 0.74

S.E.

m/z--> 11.70 11.80 11.90 12.00 12.10 12.20 12.30 12.40 12.50 12.60 12.70 12.80 12.90 13.00 13.10 13.20 13.30 13.40 13.50 13.60 13.70 13.80 13.90

Detailed description: This is a mass spectrum plot. The vertical axis (y-axis) is labeled 'Abundance' and has major tick marks at 0, 500,000, 1,000,000, 1,500,000, and 2,000,000. The horizontal axis (x-axis) is labeled 'm/z-->' and ranges from 11.70 to 13.90 with increments of 0.10. A single, very sharp and intense peak is visible at m/z 12.757, reaching an abundance of approximately 1,400,000. To the left of the main peak, there are two smaller peaks labeled 'S.' and 'E.'. Above the main peak, the text '12.757' and 'Tail = 0.74' is displayed. At the top right of the plot area, three red text labels provide additional context: 'lon 184.00 (183.70 to 184.70): BF139891.D\data.ms', 'lon 185.00 (184.70 to 185.70): BF139891.D\data.ms', and 'lon 183.00 (182.70 to 183.70): BF139891.D\data.ms'. The baseline is flat across the rest of the m/z range.



Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.00	14.03
183.00	11.80	11.90
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
10/21/2024	BNA_F	<u>BF139891.D</u>
Compound Name	Response	Retention Time
DDT	854790	13.58
DDD	11947	13.31
DDE	336	12.939
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
12283	867073	1.42

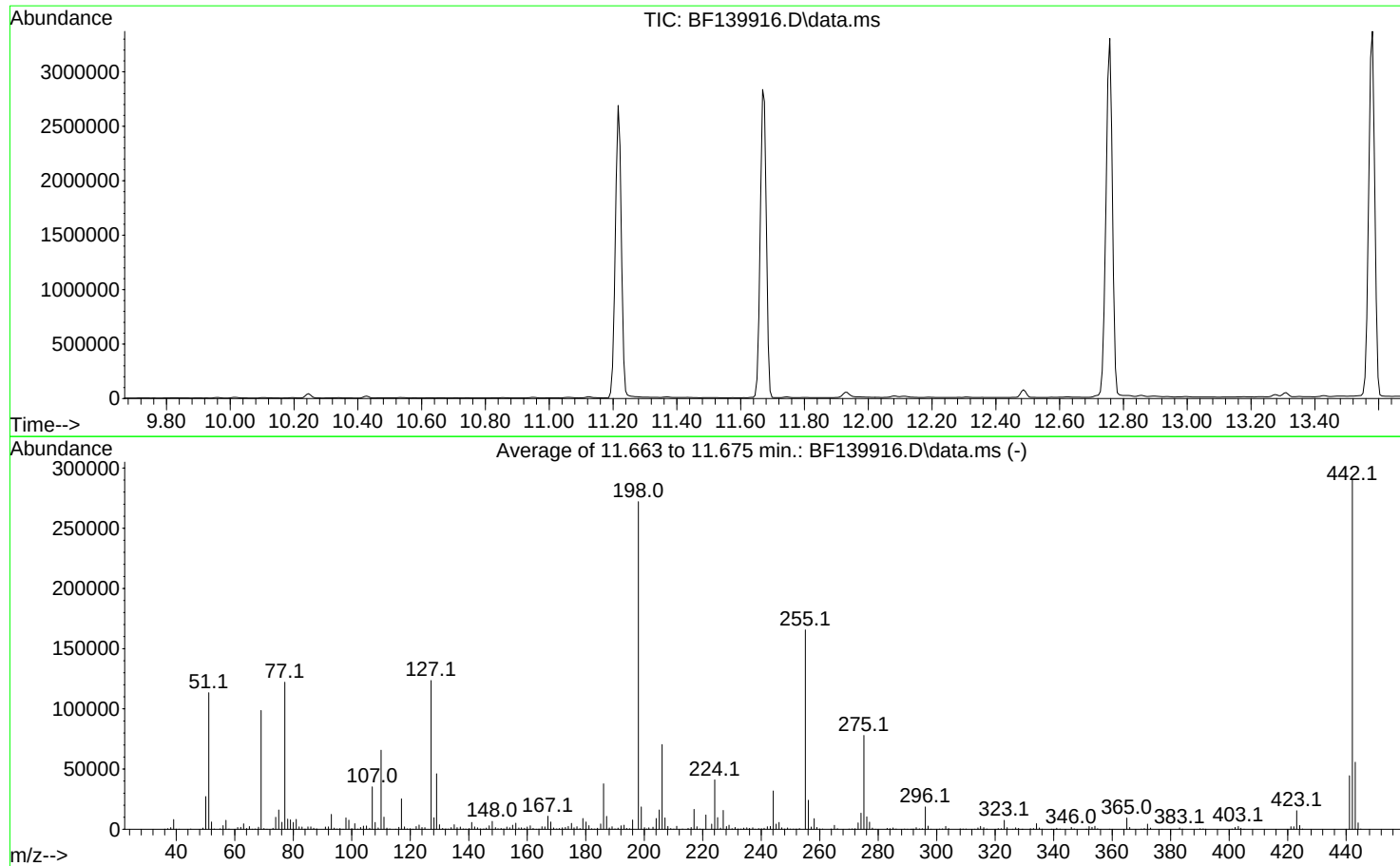
Instrument :
BNA_F
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139916.D
Acq On : 22 Oct 2024 09:11
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-BF101824.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Oct 18 15:07:50 2024



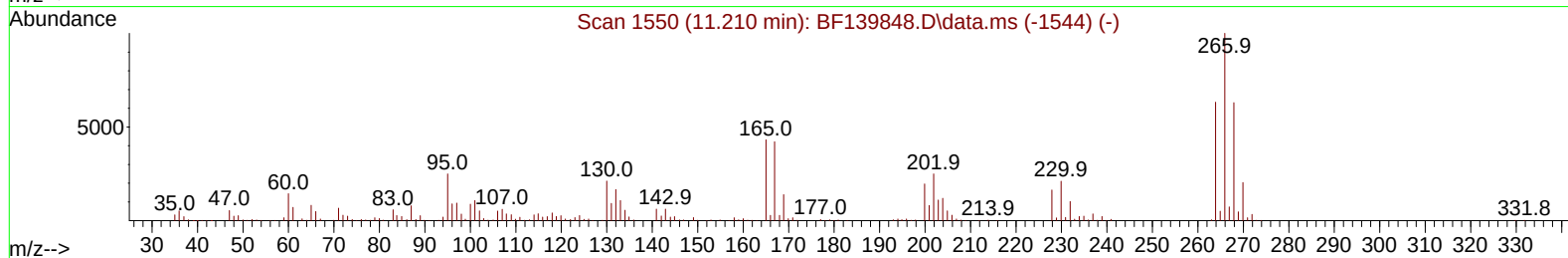
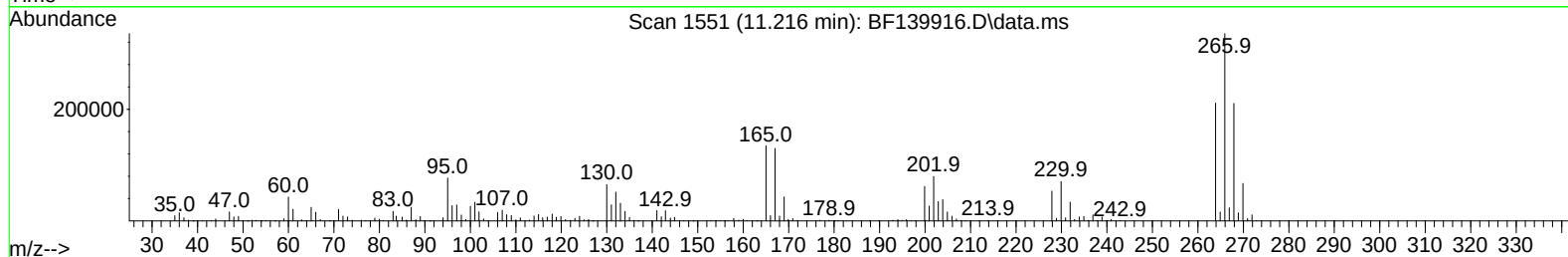
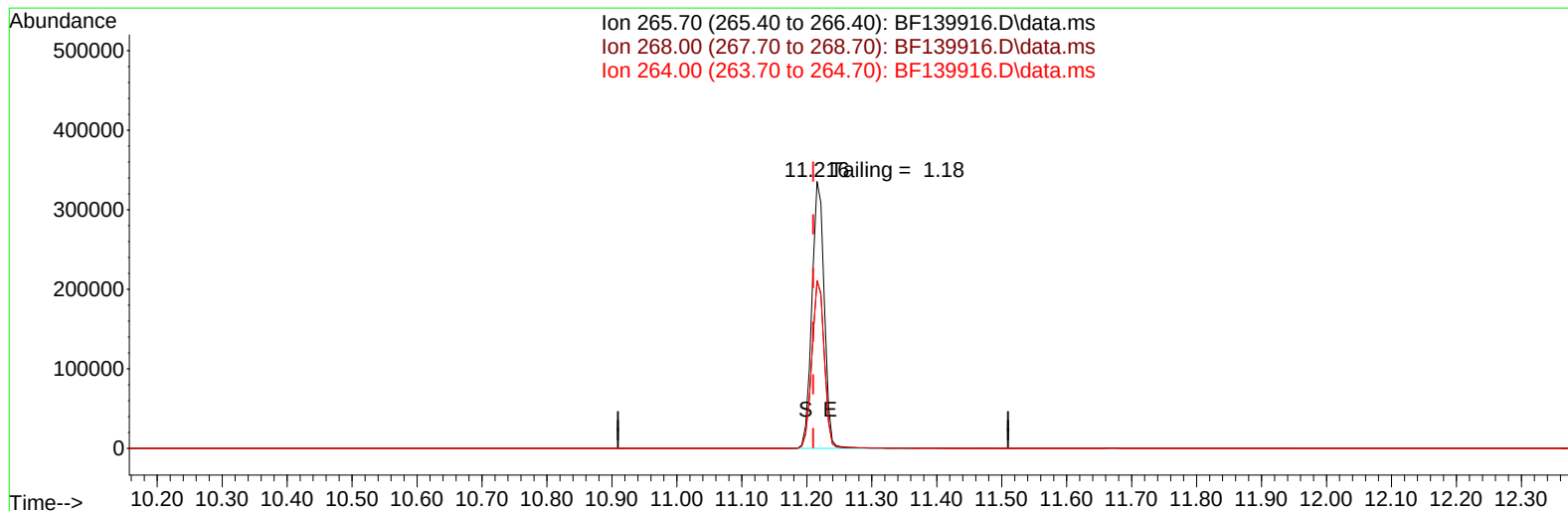
AutoFind: Scans 1627, 1628, 1629; Background Corrected with Scan 1621

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	41.7	113501	PASS
68	69	0.00	2	1.7	1712	PASS
69	198	0.00	100	36.3	98726	PASS
70	69	0.00	2	0.7	646	PASS
127	198	10	80	45.4	123547	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	272043	PASS
199	198	5	9	6.8	18520	PASS
275	198	10	60	28.6	77909	PASS
365	198	1	100	3.5	9417	PASS
441	198	0.01	100	16.4	44501	PASS
442	442	50	100	100.0	290411	PASS
443	442	15	24	19.2	55752	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139916.D
Acq On : 22 Oct 2024 09:11
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Oct 22 11:01:48 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration



TIC: BF139916.D\data.ms

(70) Pentachlorophenol (C)

11.216min (+ 0.006) 57901.68 ng

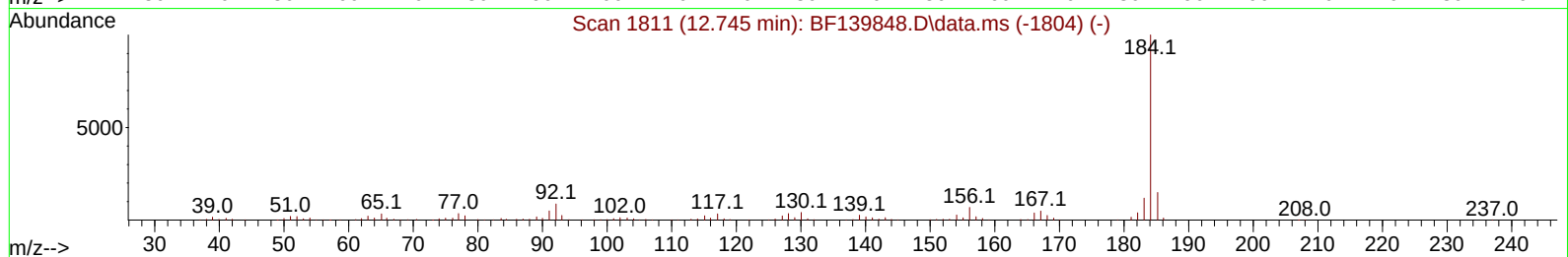
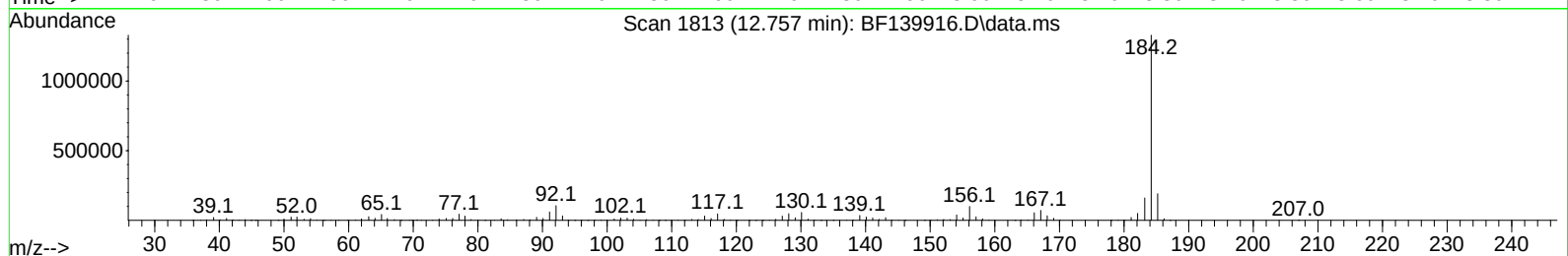
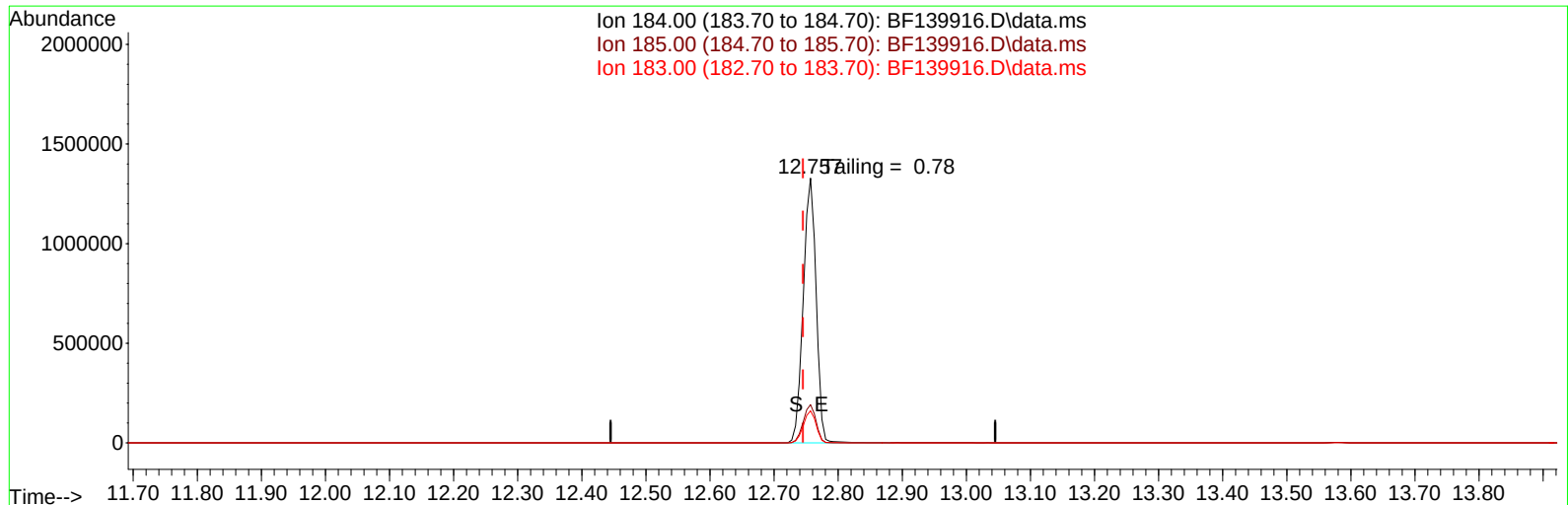
response 446642

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.00	62.76
264.00	63.20	62.90
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139916.D
Acq On : 22 Oct 2024 09:11
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Oct 22 11:01:48 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration



TIC: BF139916.D\data.ms

(77) Benzidine

12.757min (+ 0.012) 72988.41 ng

response 1860275

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.00	14.42
183.00	11.80	12.10
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
10/22/2024	BNA_F	<u>BF139916.D</u>
Compound Name	Response	Retention Time
DDT	893067	13.58
DDD	14216	13.31
DDE	862	12.939
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
15078	908145	1.66

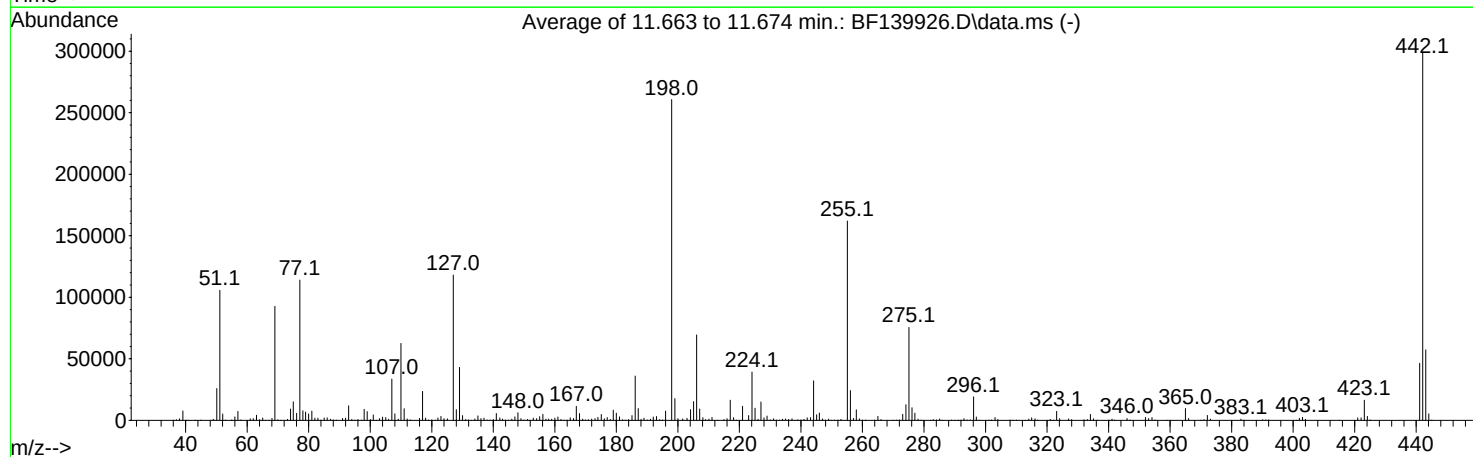
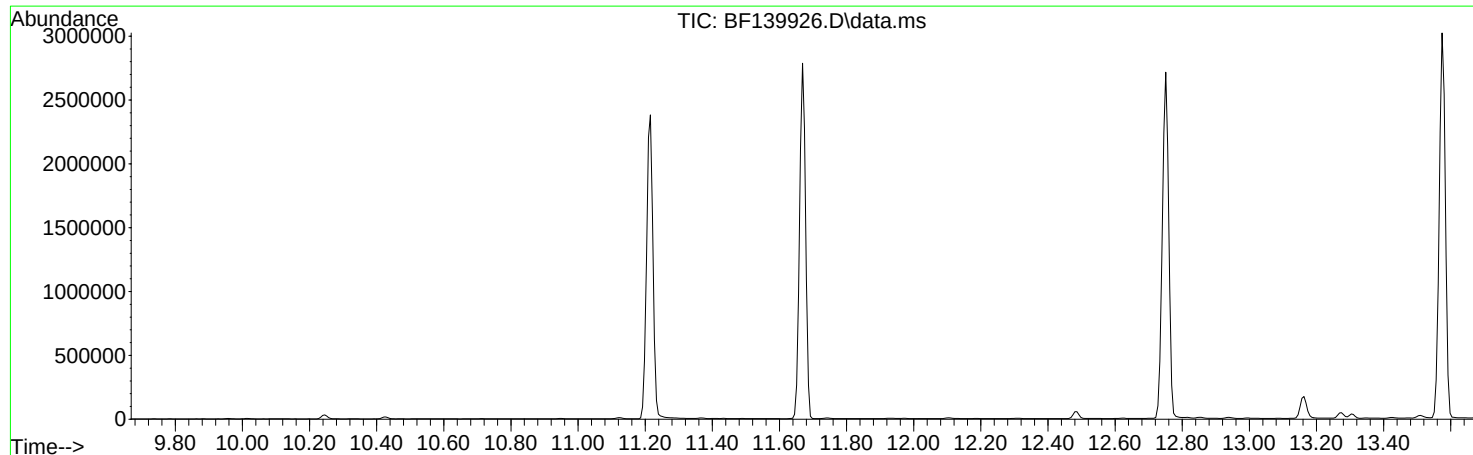
Instrument :
BNA_F
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139926.D
Acq On : 22 Oct 2024 14:00
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-BF101824.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Oct 18 15:07:50 2024



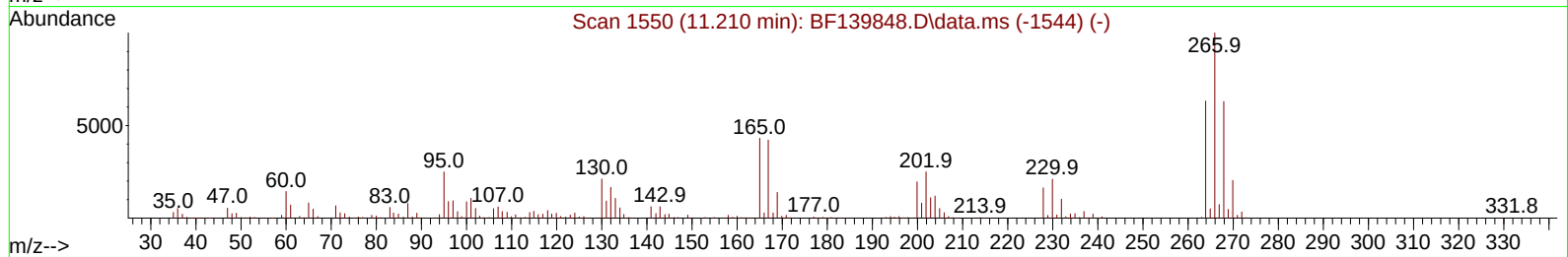
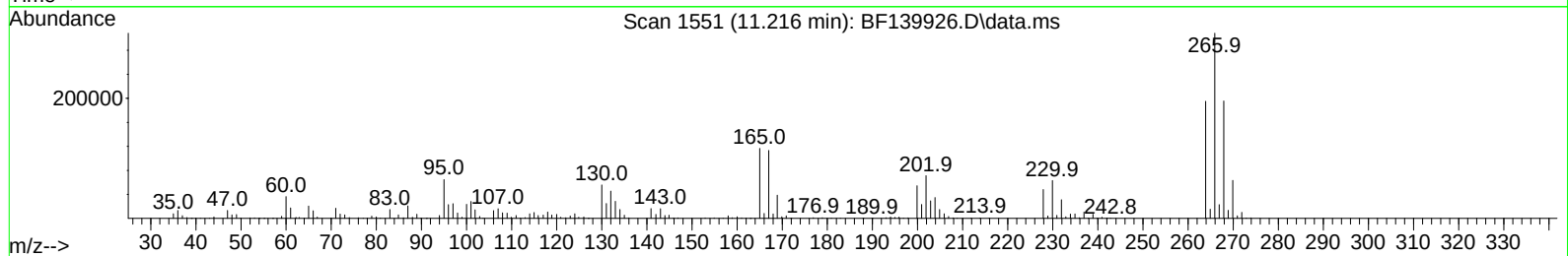
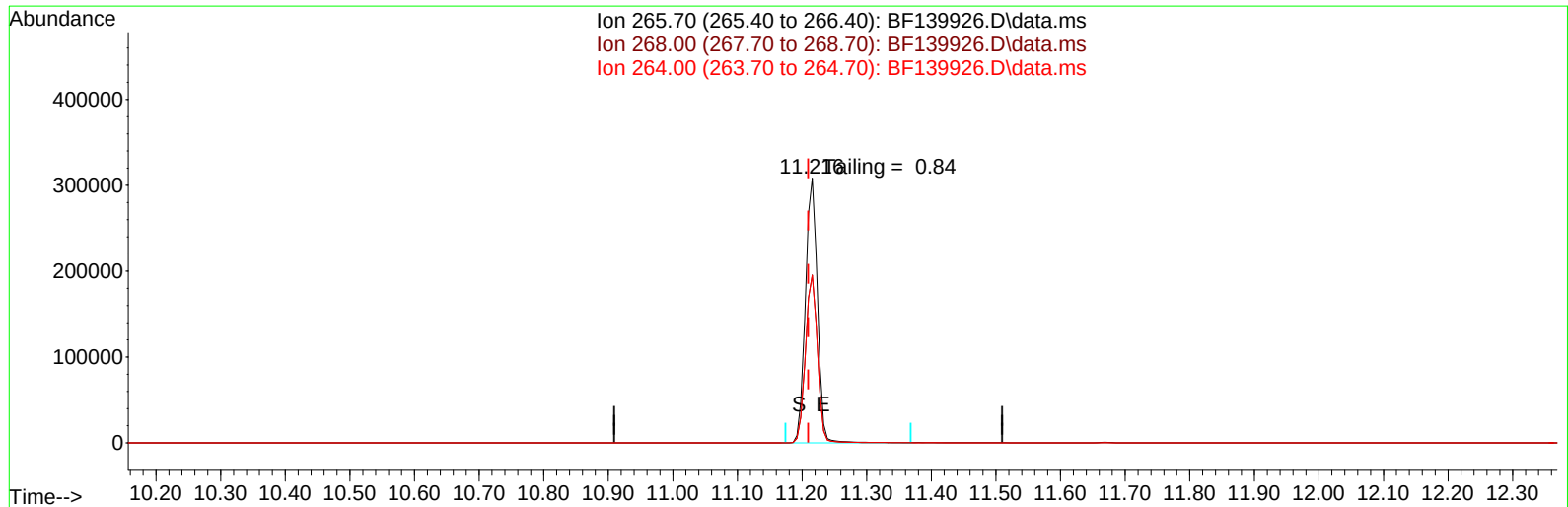
AutoFind: Scans 1627, 1628, 1629; Background Corrected with Scan 1620

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	40.6	105765	PASS
68	69	0.00	2	1.7	1602	PASS
69	198	0.00	100	35.6	92720	PASS
70	69	0.00	2	0.6	550	PASS
127	198	10	80	45.3	118056	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	260715	PASS
199	198	5	9	6.8	17717	PASS
275	198	10	60	29.0	75581	PASS
365	198	1	100	3.7	9606	PASS
441	198	0.01	100	17.8	46395	PASS
442	442	50	100	100.0	298923	PASS
443	442	15	24	19.2	57373	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139926.D
Acq On : 22 Oct 2024 14:00
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Oct 22 14:41:04 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration



TIC: BF139926.D\data.ms

(70) Pentachlorophenol (C)

11.216min (+ 0.006) 57892.68 ng

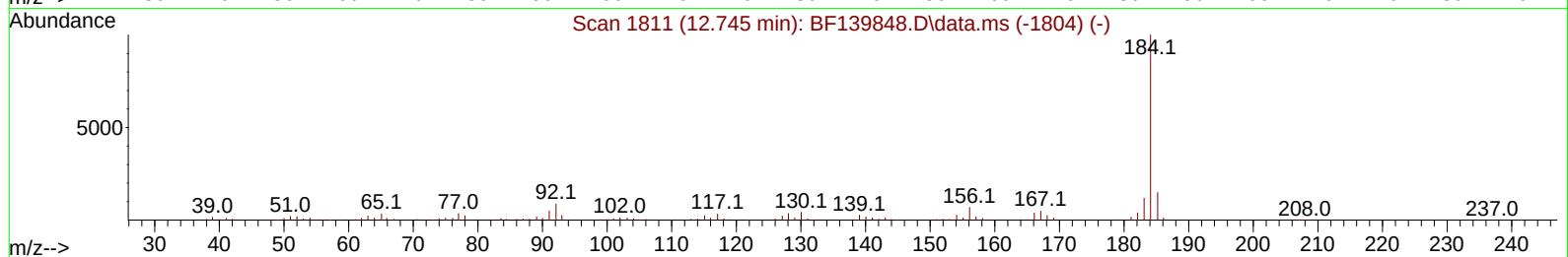
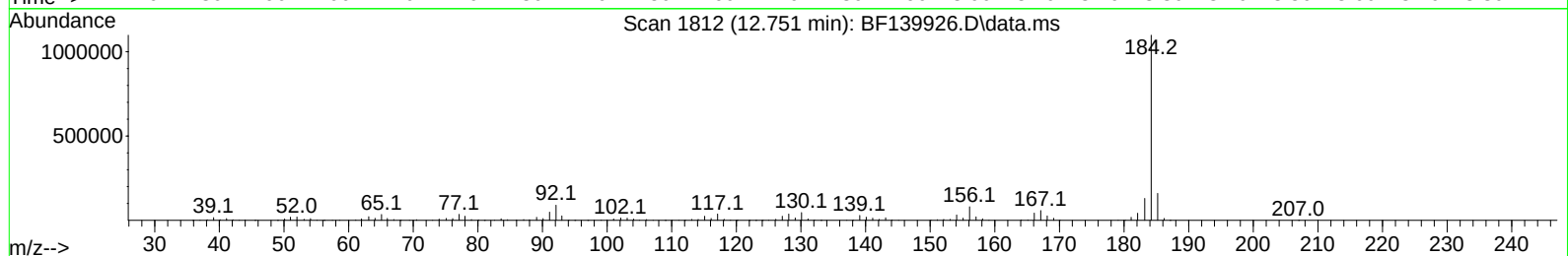
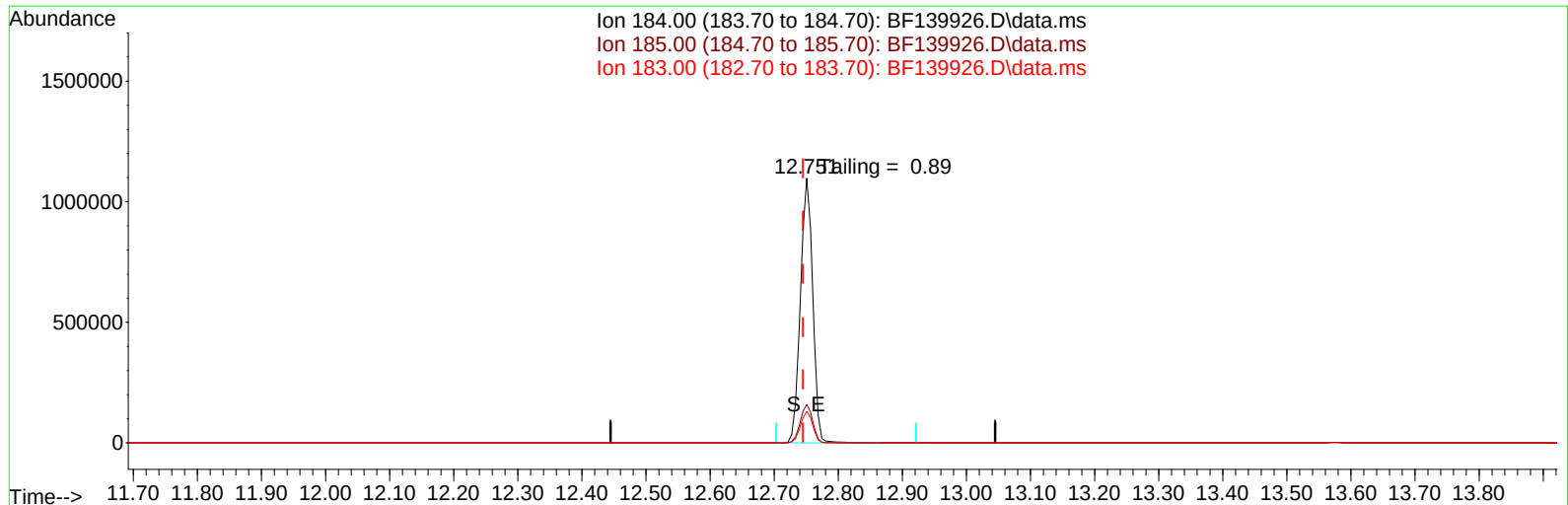
response 400979

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.00	63.45
264.00	63.20	63.28
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139926.D
Acq On : 22 Oct 2024 14:00
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Oct 22 14:41:04 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration



TIC: BF139926.D\data.ms

(77) Benzidine

12.751min (+ 0.006) 78165.14 ng

response 1467813

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.00	14.58
183.00	11.80	11.86
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
10/22/2024	BNA_F	<u>BF139926.D</u>
Compound Name	Response	Retention Time
DDT	777904	13.574
DDD	19547	13.274
DDE	2185	12.939
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
21732	799636	2.72

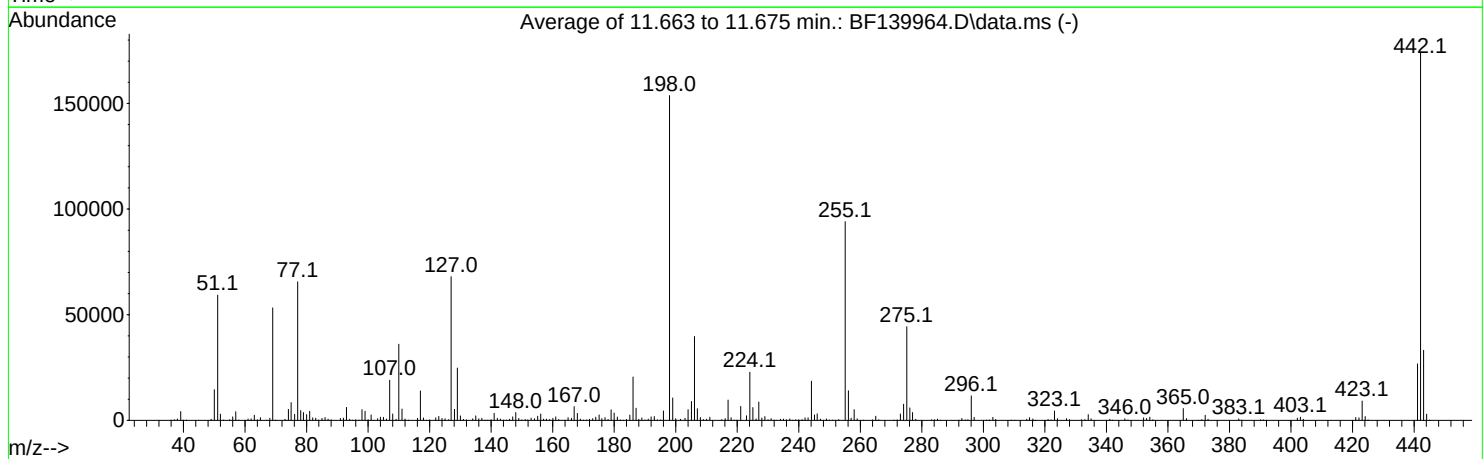
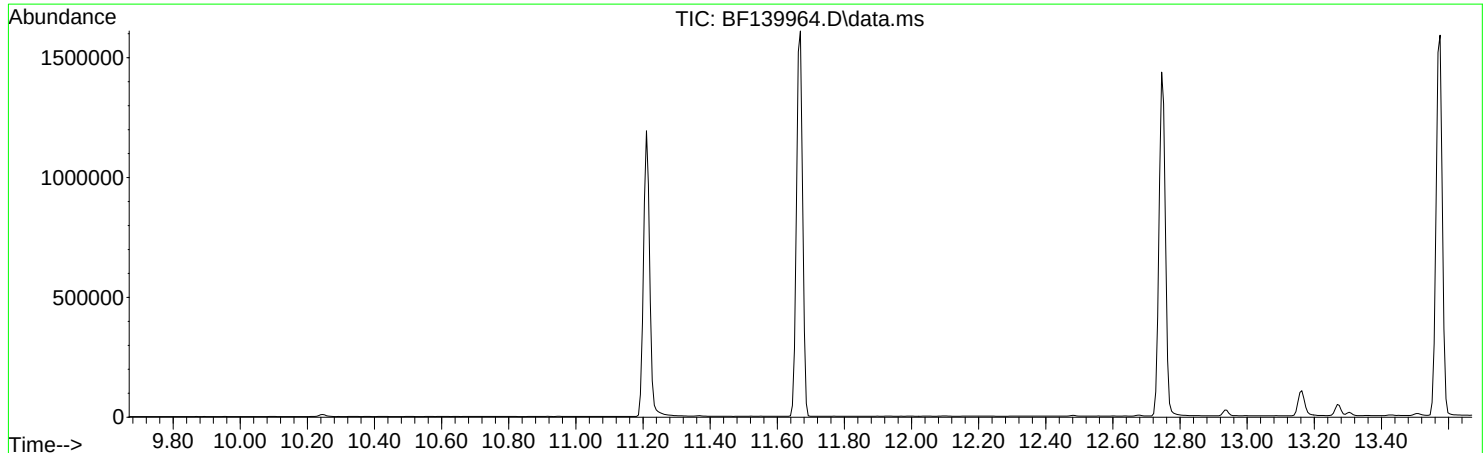
Instrument :
BNA_F
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
Data File : BF139964.D
Acq On : 23 Oct 2024 15:01
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-BF101824.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Oct 18 15:07:50 2024



AutoFind: Scans 1627, 1628, 1629; Background Corrected with Scan 1620

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	38.6	59323	PASS
68	69	0.00	2	1.8	983	PASS
69	198	0.00	100	34.6	53243	PASS
70	69	0.00	2	0.4	190	PASS
127	198	10	80	44.2	67984	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	153731	PASS
199	198	5	9	6.9	10579	PASS
275	198	10	60	28.8	44264	PASS
365	198	1	100	3.6	5593	PASS
441	198	0.01	100	17.4	26768	PASS
442	442	50	100	100.0	174101	PASS
443	442	15	24	19.1	33184	PASS

DDT Breakdown

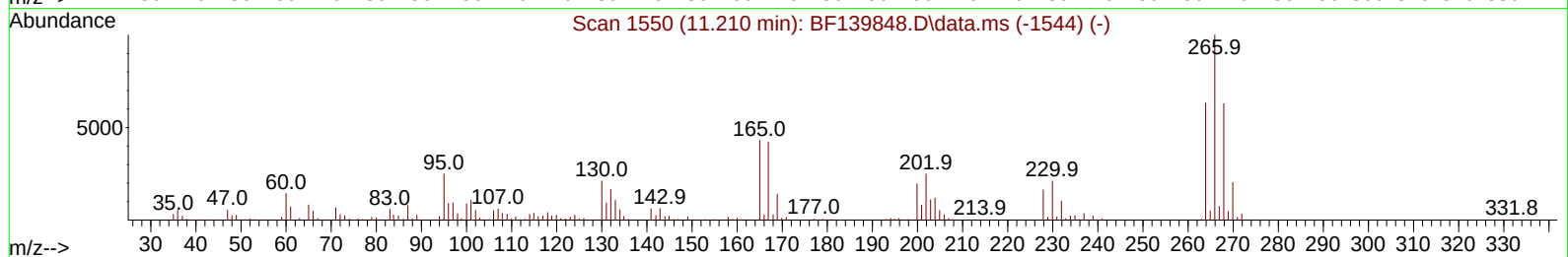
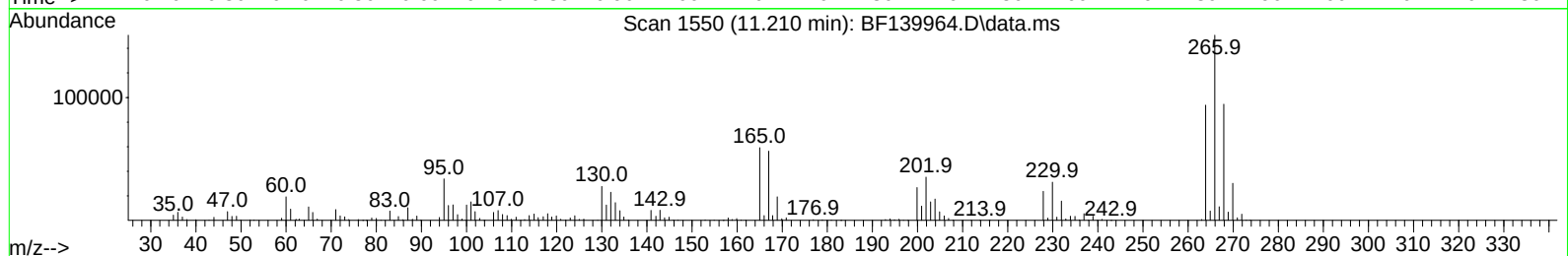
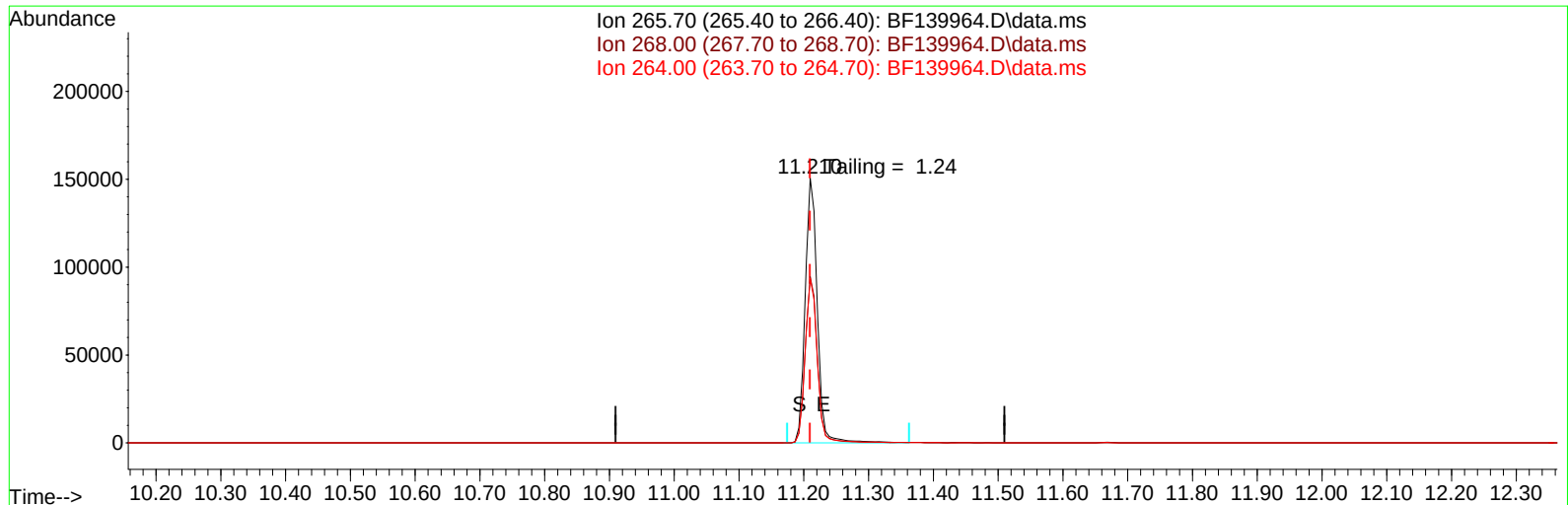
Date	Instrument Name	DFTPP Data File
10/23/2024	BNA_F	<u>BF139964.D</u>
Compound Name	Response	Retention Time
DDT	418094	13.575
DDD	17070	13.269
DDE	5569	12.933
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
22639	440733	5.14

Instrument :
BNA_F
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
Data File : BF139964.D
Acq On : 23 Oct 2024 15:01
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Oct 23 15:33:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration



TIC: BF139964.D\data.ms

(70) Pentachlorophenol (C)

11.210min (+ 0.000) 37980.39 ng

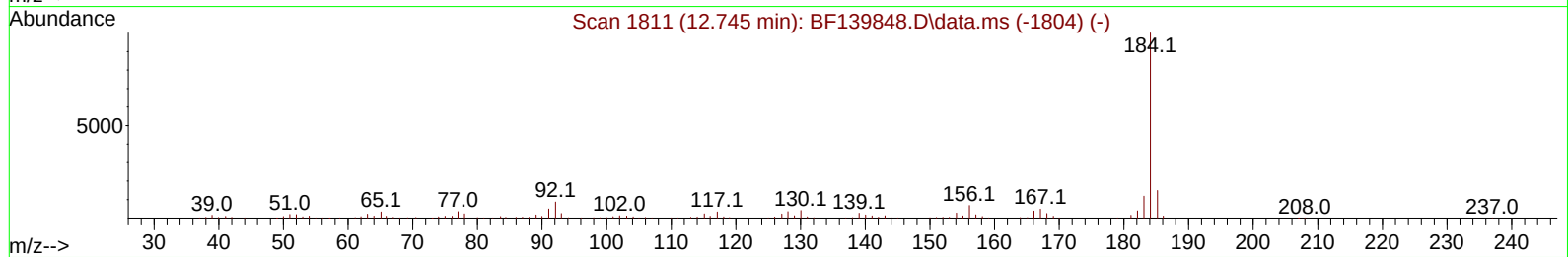
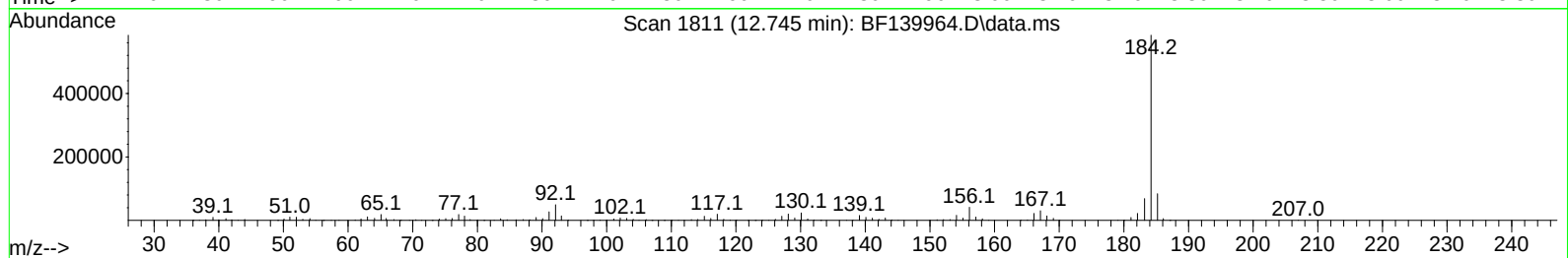
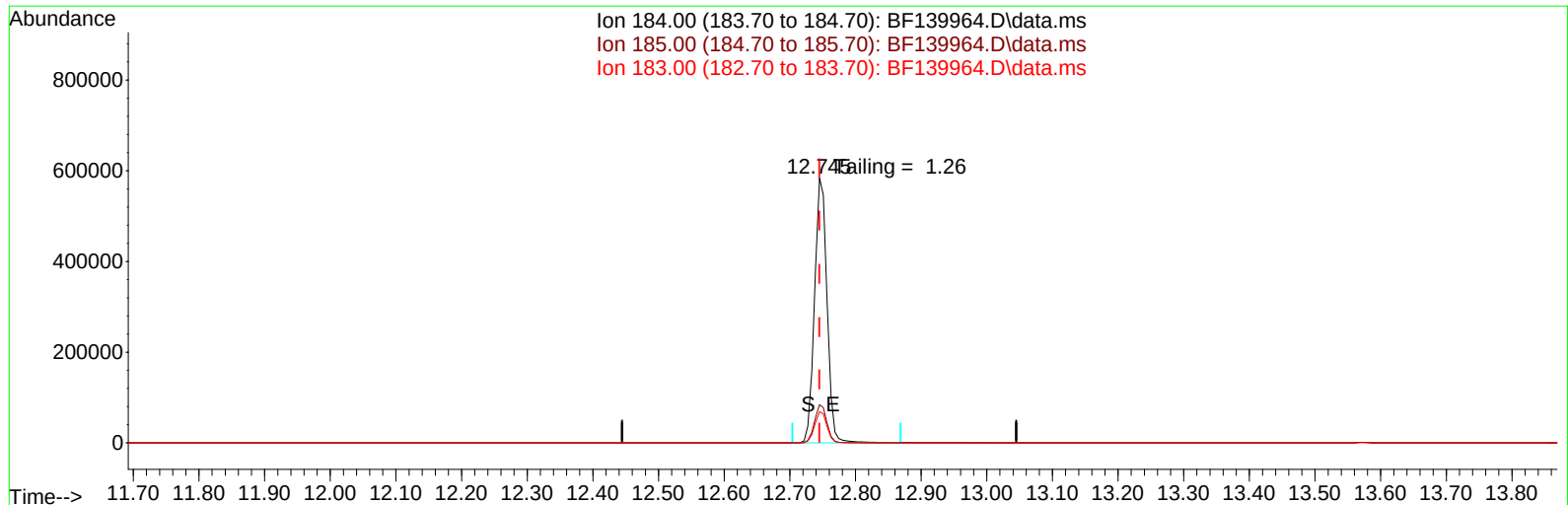
response 197630

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.00	62.75
264.00	63.20	62.27
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
Data File : BF139964.D
Acq On : 23 Oct 2024 15:01
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Oct 23 15:33:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration



TIC: BF139964.D\data.ms

(77) Benzidine

12.745min (+ 0.000) 0.00 ng

response 775484

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.00	14.45
183.00	11.80	11.75
0.00	0.00	0.00

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	
Project:	Robbinsville	Date Received:	
Client Sample ID:	PB164071BL	SDG No.:	P4385
Lab Sample ID:	PB164071BL	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
BF139920.D	1	10/11/24 09:38	10/22/24 11:05	PB164071

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:	Scheideler Excavating Co. Inc.	Date Collected:	
Project:	Robbinsville	Date Received:	
Client Sample ID:	PB164071BL	SDG No.:	P4385
Lab Sample ID:	PB164071BL	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
BF139920.D	1	10/11/24 09:38	10/22/24 11:05	PB164071

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:	Scheideler Excavating Co. Inc.	Date Collected:	
Project:	Robbinsville	Date Received:	
Client Sample ID:	PB164071BL	SDG No.:	P4385
Lab Sample ID:	PB164071BL	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
BF139920.D	1	10/11/24 09:38	10/22/24 11:05	PB164071

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	135		30 (18) - 130 (112)	90%	SPK: 150
13127-88-3	Phenol-d6	132		30 (15) - 130 (107)	88%	SPK: 150
4165-60-0	Nitrobenzene-d5	98.9		30 (18) - 130 (107)	99%	SPK: 100
321-60-8	2-Fluorobiphenyl	93.6		30 (20) - 130 (109)	94%	SPK: 100
118-79-6	2,4,6-Tribromophenol	150		30 (10) - 130 (116)	100%	SPK: 150
1718-51-0	Terphenyl-d14	90.0		30 (10) - 130 (105)	90%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	150000	6.892
1146-65-2	Naphthalene-d8	594000	8.169
15067-26-2	Acenaphthene-d10	338000	9.928
1517-22-2	Phenanthrene-d10	612000	11.41
1719-03-5	Chrysene-d12	391000	14.051
1520-96-3	Perylene-d12	294000	15.527

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	120	J	2.24	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	250	A	5.13	ug/Kg

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	
Project:	Robbinsville	Date Received:	
Client Sample ID:	PB164071BL	SDG No.:	P4385
Lab Sample ID:	PB164071BL	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
BF139920.D	1	10/11/24 09:38	10/22/24 11:05	PB164071

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\BF102224\
Data File : BF139920.D
Acq On : 22 Oct 2024 11:05
Operator : RC/JU
Sample : PB164071BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB164071BL

Quant Time: Oct 22 12:32:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	150261	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	593957	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	338069	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	611789	20.000	ng	0.00
76) Chrysene-d12	14.051	240	390858	20.000	ng	0.00
86) Perylene-d12	15.527	264	293996	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1291484	134.553	ng	0.02
7) Phenol-d6	6.510	99	1640356	131.953	ng	0.00
23) Nitrobenzene-d5	7.451	82	1060228	98.933	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	475370	150.329	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1914793	93.607	ng	0.00
79) Terphenyl-d14	13.004	244	2158698	89.996	ng	0.00

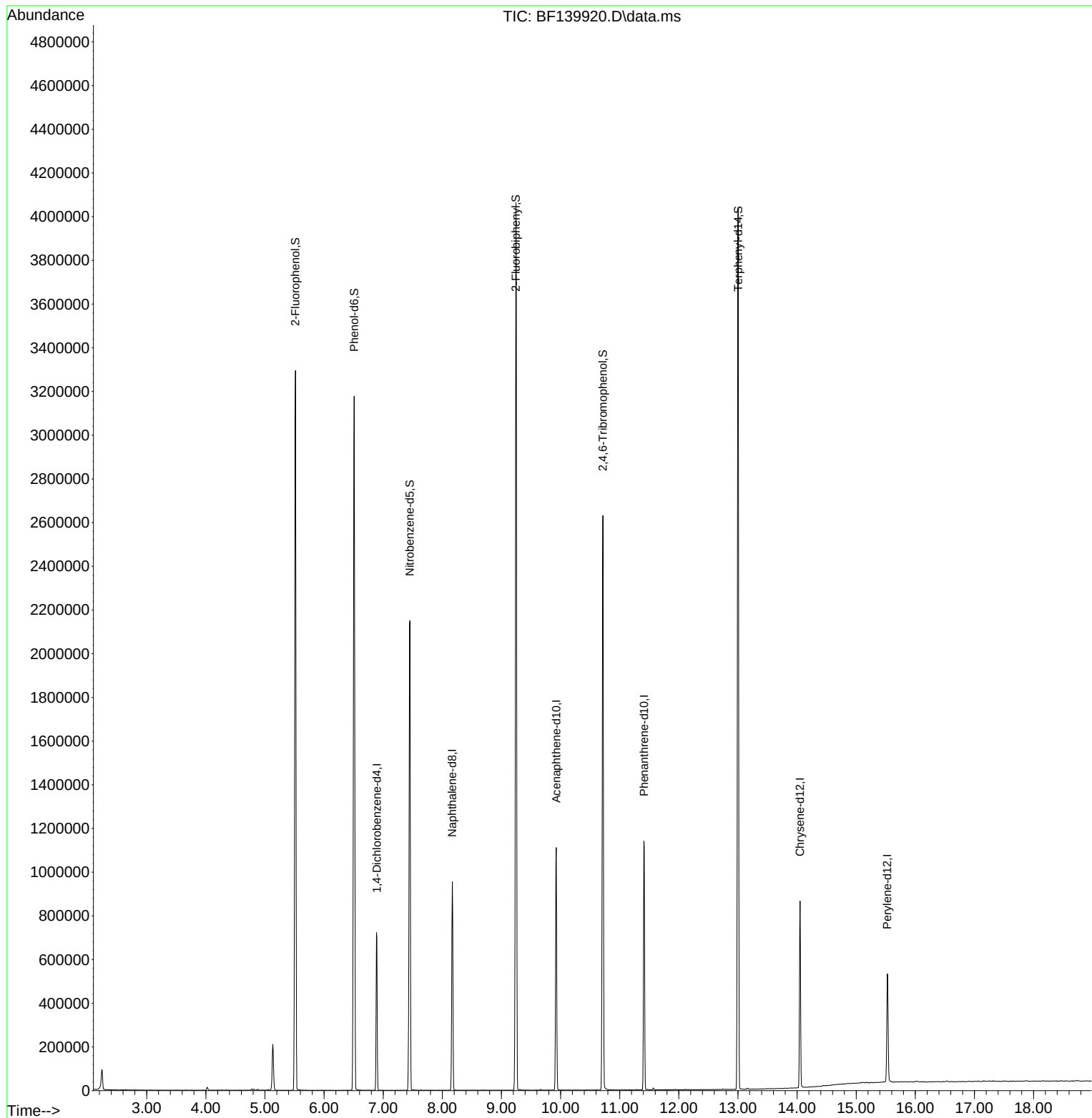
Target Compounds	Qvalue

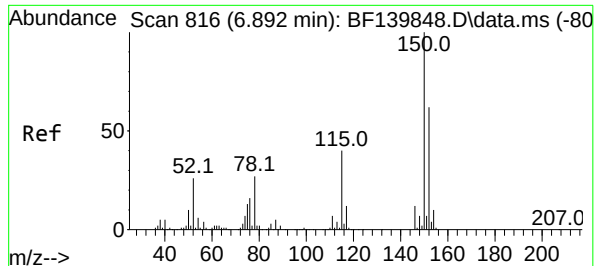
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139920.D
Acq On : 22 Oct 2024 11:05
Operator : RC/JU
Sample : PB164071BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB164071BL

Quant Time: Oct 22 12:32:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

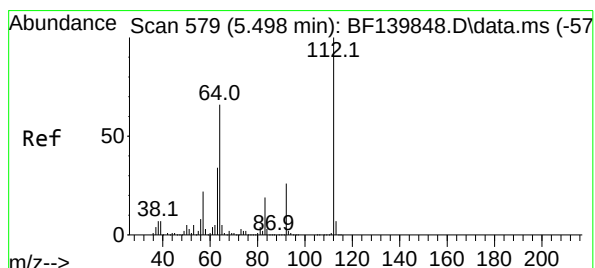
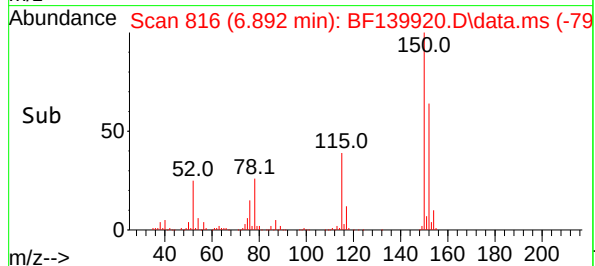
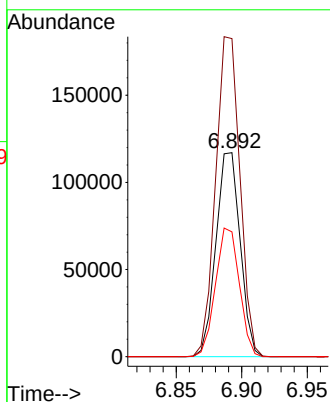
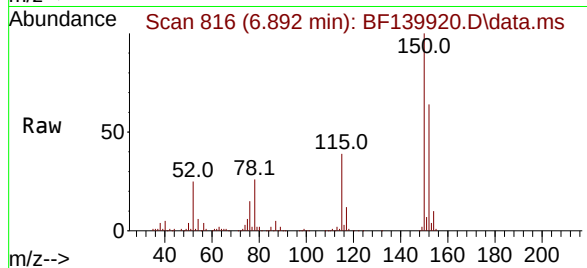




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 816
Delta R.T. 0.000 min
Lab File: BF139920.D
Acq: 22 Oct 2024 11:05

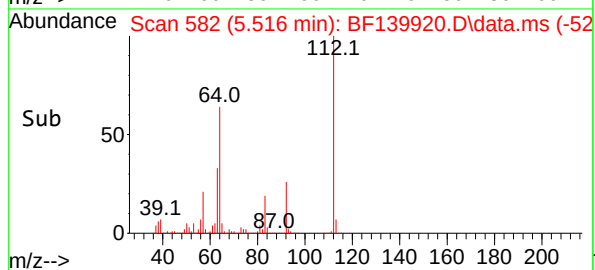
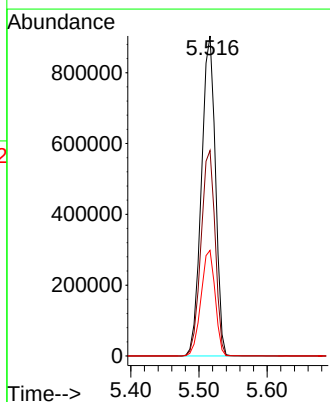
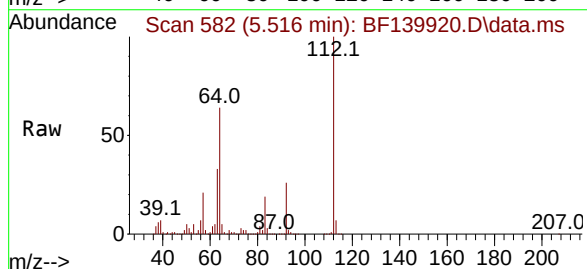
Instrument :
BNA_F
ClientSampleId :
PB164071BL

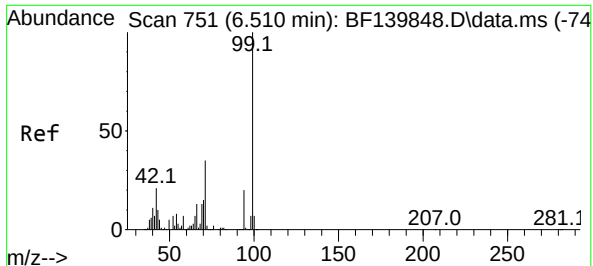
Tgt Ion:152 Resp: 150261
Ion Ratio Lower Upper
152 100
150 156.0 130.2 195.2
115 61.2 51.4 77.2



#5
2-Fluorophenol
Concen: 134.553 ng
RT: 5.516 min Scan# 582
Delta R.T. 0.018 min
Lab File: BF139920.D
Acq: 22 Oct 2024 11:05

Tgt Ion:112 Resp: 1291484
Ion Ratio Lower Upper
112 100
64 64.2 53.0 79.6
63 33.0 27.0 40.4

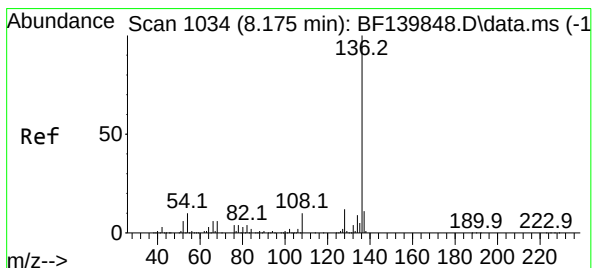
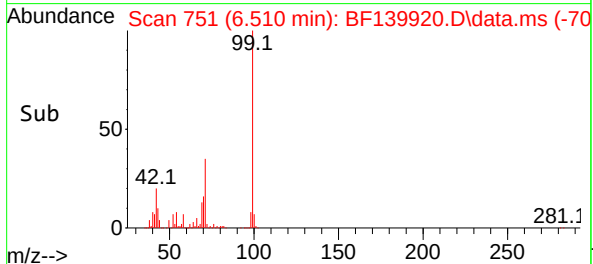
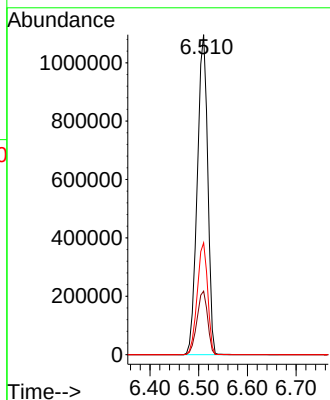
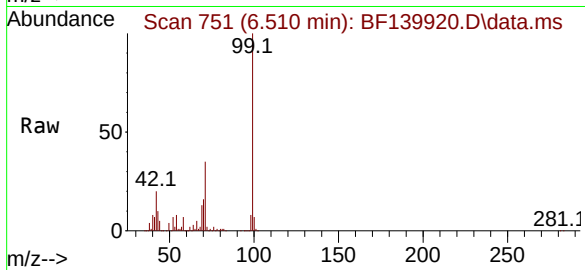




#7
Phenol-d6
Concen: 131.953 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF139920.D
Acq: 22 Oct 2024 11:05

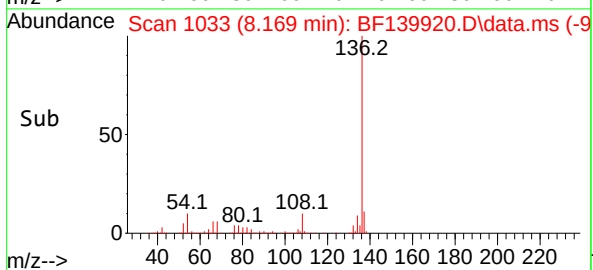
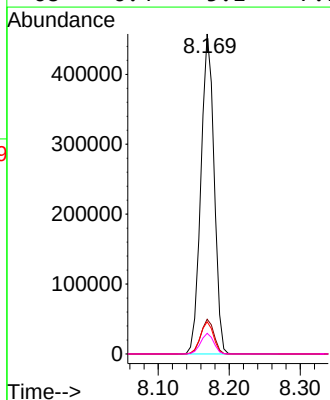
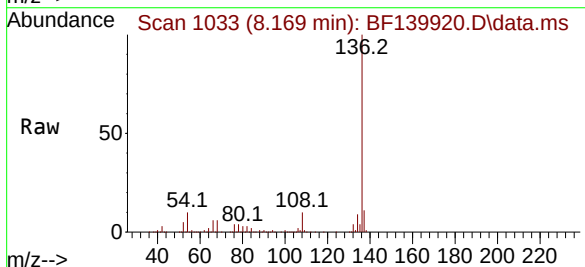
Instrument :
BNA_F
ClientSampleId :
PB164071BL

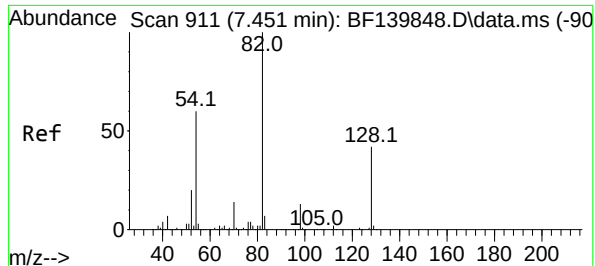
Tgt Ion: 99 Resp: 1640356
Ion Ratio Lower Upper
99 100
42 19.8 16.7 25.1
71 35.0 27.7 41.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF139920.D
Acq: 22 Oct 2024 11:05

Tgt Ion: 136 Resp: 593957
Ion Ratio Lower Upper
136 100
137 10.8 8.6 12.8
54 10.1 8.4 12.6
68 6.4 5.1 7.7





#23

Nitrobenzene-d5

Concen: 98.933 ng

RT: 7.451 min Scan# 911

Delta R.T. 0.000 min

Lab File: BF139920.D

Acq: 22 Oct 2024 11:05

Instrument :

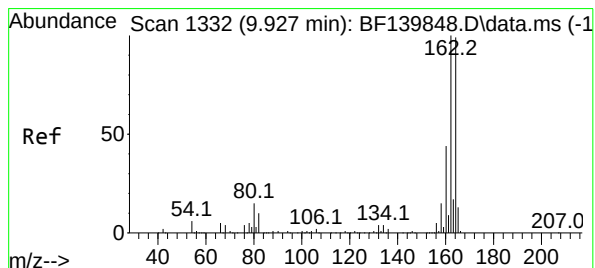
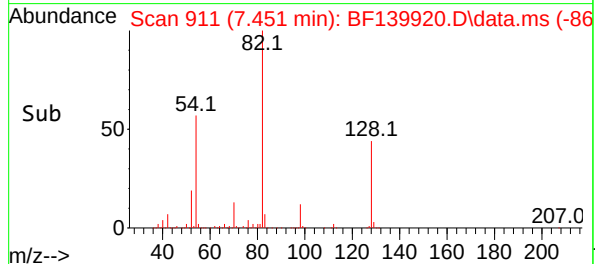
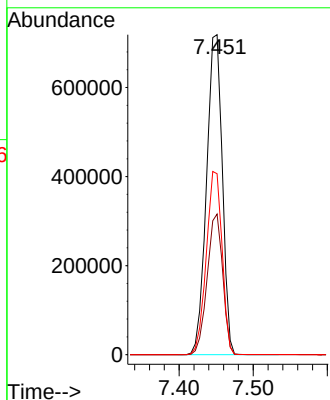
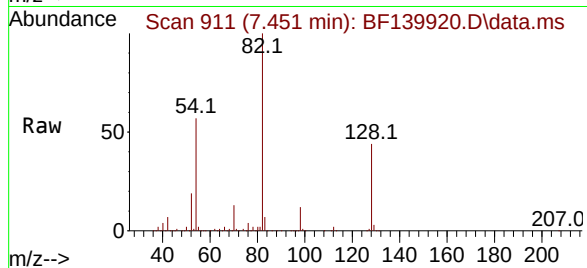
BNA_F

ClientSampleId :

PB164071BL

Tgt Ion: 82 Resp: 1060228

Ion	Ratio	Lower	Upper
82	100		
128	44.0	33.4	50.0
54	56.5	47.8	71.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 1332

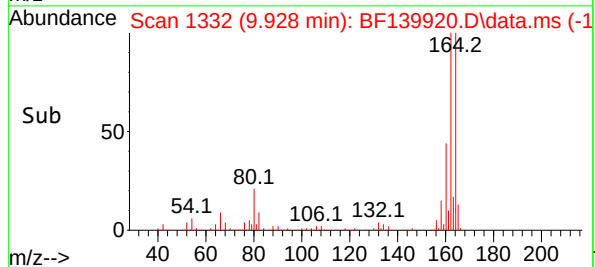
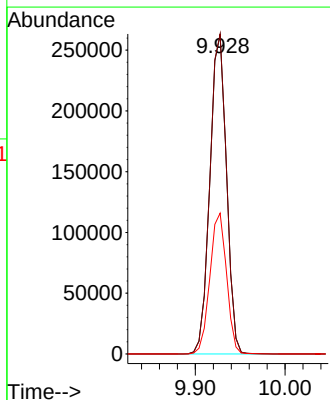
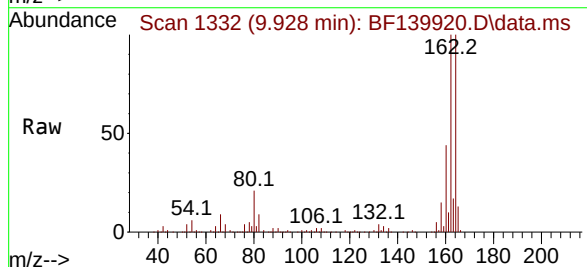
Delta R.T. 0.001 min

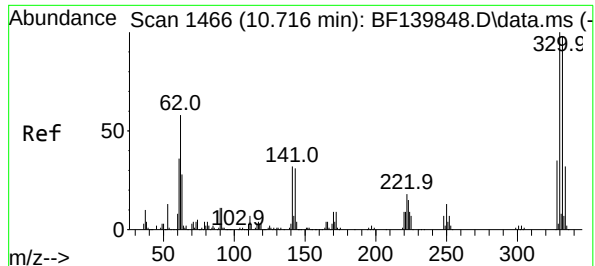
Lab File: BF139920.D

Acq: 22 Oct 2024 11:05

Tgt Ion: 164 Resp: 338069

Ion	Ratio	Lower	Upper
164	100		
162	100.3	81.0	121.4
160	44.1	35.4	53.0





#42

2,4,6-Tribromophenol

Concen: 150.329 ng

RT: 10.716 min Scan# 1466

Delta R.T. 0.000 min

Lab File: BF139920.D

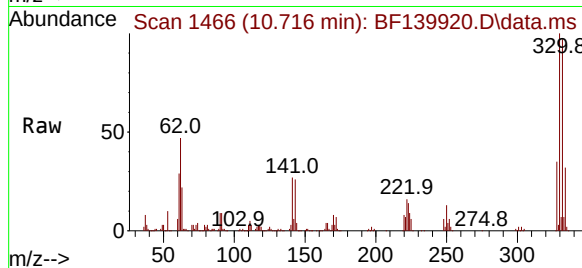
Acq: 22 Oct 2024 11:05

Instrument :

BNA_F

ClientSampleId :

PB164071BL



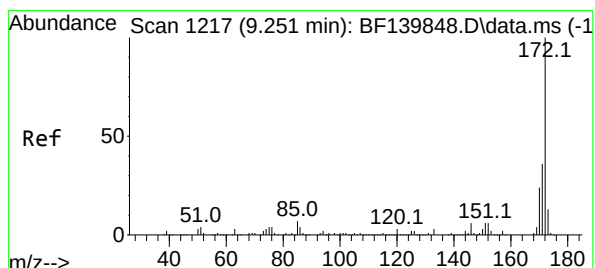
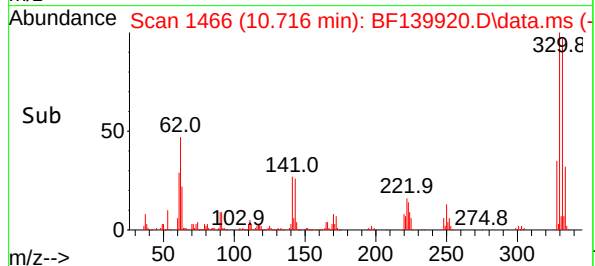
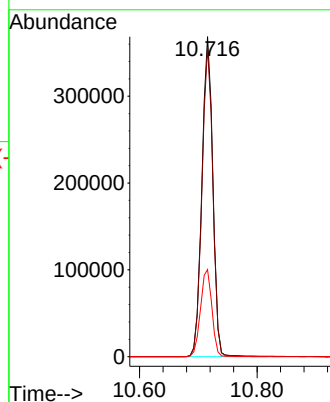
Tgt Ion:330 Resp: 475370

Ion Ratio Lower Upper

330 100

332 96.8 78.1 117.1

141 28.4 26.6 39.8



#45

2-Fluorobiphenyl

Concen: 93.607 ng

RT: 9.245 min Scan# 1216

Delta R.T. -0.006 min

Lab File: BF139920.D

Acq: 22 Oct 2024 11:05

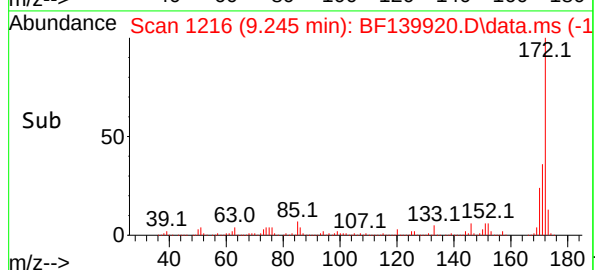
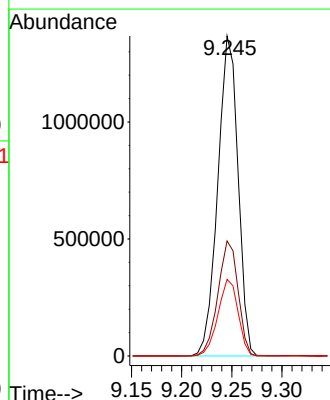
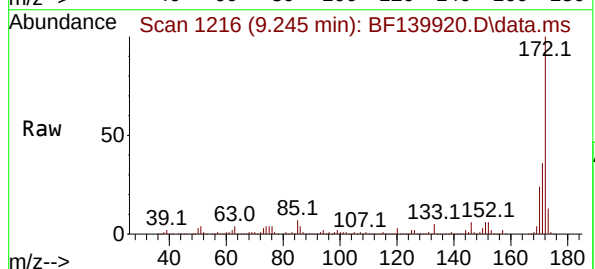
Tgt Ion:172 Resp: 1914793

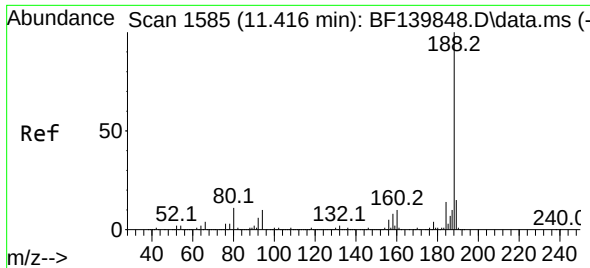
Ion Ratio Lower Upper

172 100

171 35.9 28.6 43.0

170 23.9 19.1 28.7

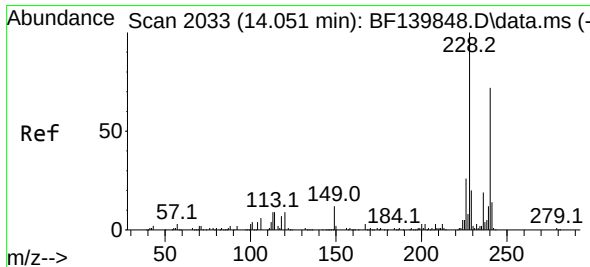
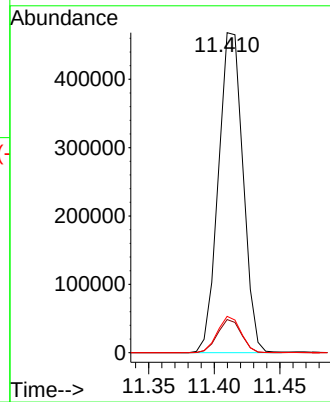
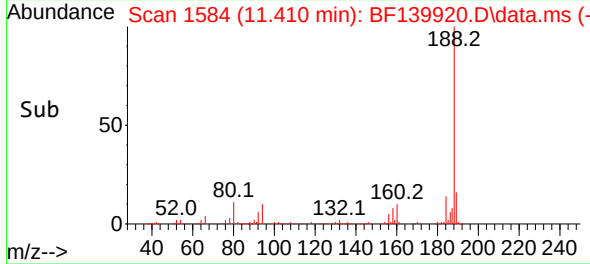
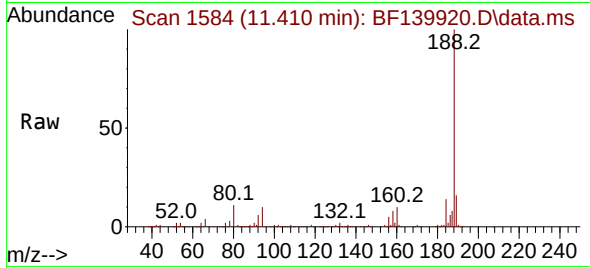




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139920.D
Acq: 22 Oct 2024 11:05

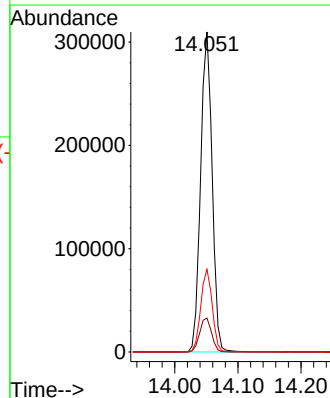
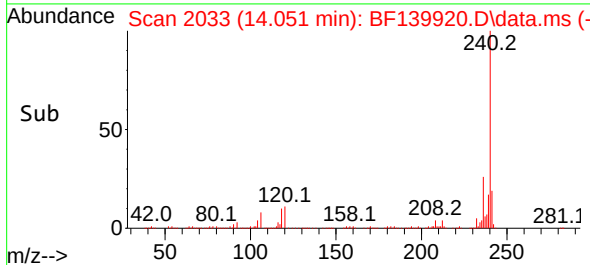
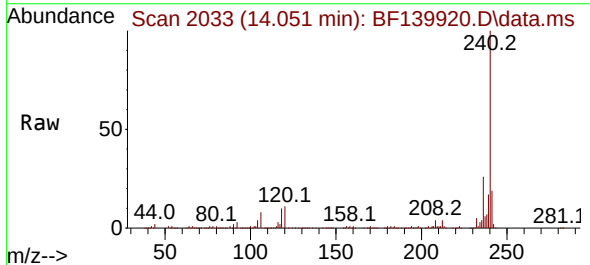
Instrument :
BNA_F
ClientSampleId :
PB164071BL

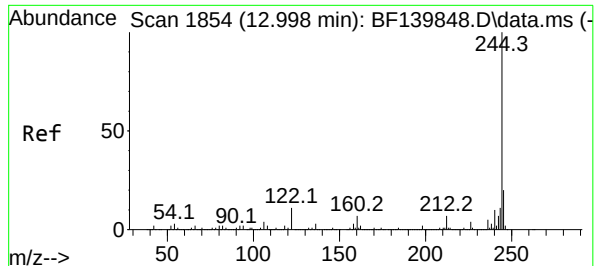
Tgt Ion:188 Resp: 611789
Ion Ratio Lower Upper
188 100
94 10.3 7.9 11.9
80 11.4 9.0 13.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF139920.D
Acq: 22 Oct 2024 11:05

Tgt Ion:240 Resp: 390858
Ion Ratio Lower Upper
240 100
120 10.6 9.4 14.2
236 25.8 20.9 31.3





#79

Terphenyl-d14

Concen: 89.996 ng

RT: 13.004 min Scan# 1855

Delta R.T. 0.006 min

Lab File: BF139920.D

Acq: 22 Oct 2024 11:05

Instrument :

BNA_F

ClientSampleId :

PB164071BL

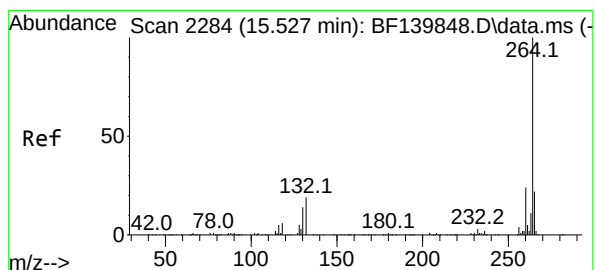
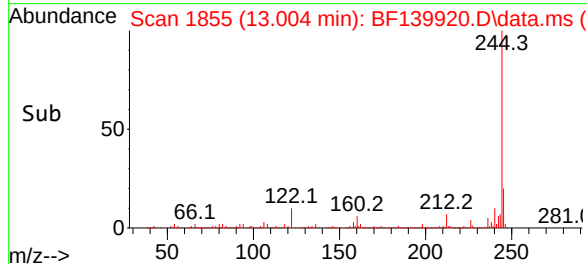
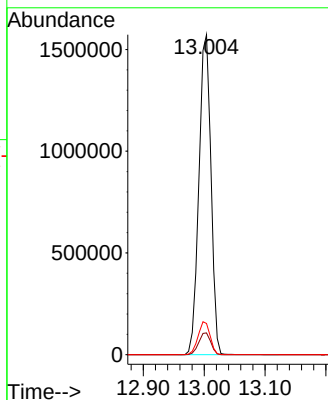
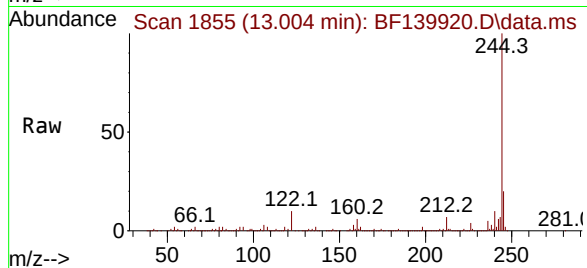
Tgt Ion:244 Resp: 2158698

Ion Ratio Lower Upper

244 100

212 6.8 5.7 8.5

122 9.8 8.6 13.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 2284

Delta R.T. 0.000 min

Lab File: BF139920.D

Acq: 22 Oct 2024 11:05

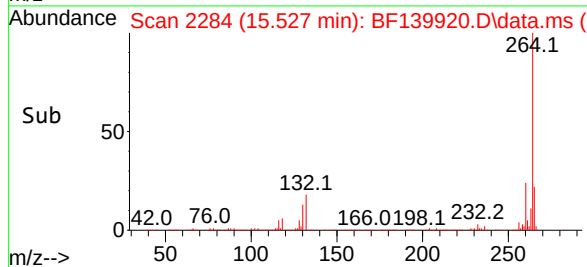
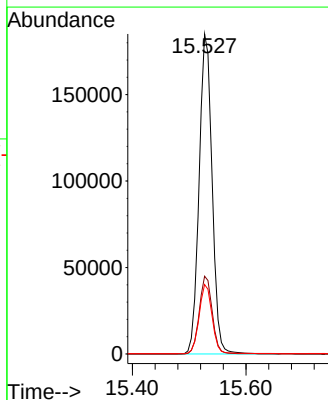
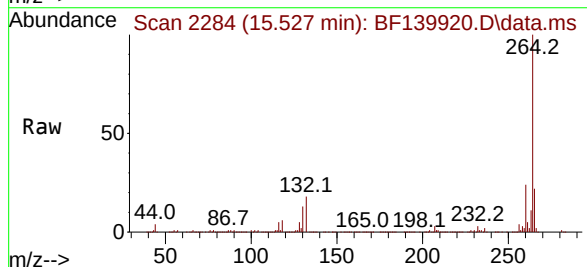
Tgt Ion:264 Resp: 293996

Ion Ratio Lower Upper

264 100

260 24.3 19.4 29.2

265 21.7 17.4 26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139920.D
Acq On : 22 Oct 2024 11:05
Operator : RC/JU
Sample : PB164071BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB164071BL

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-BF101824.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF139920.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.240	13	25	31	rVB	90128	172240	3.06%	0.495%
2	5.134	509	517	525	rVB	210468	343705	6.10%	0.987%
3	5.516	575	582	587	rBV	3294311	4733733	84.07%	13.592%
4	6.510	743	751	756	rBV	3178077	4756247	84.47%	13.656%
5	6.887	810	815	821	rVB	721742	917903	16.30%	2.636%
6	7.451	903	911	916	rBV	2149201	3177914	56.44%	9.125%
7	8.169	1027	1033	1038	rBV	955038	1234075	21.92%	3.543%
8	9.245	1209	1216	1221	rBV	4062098	5630935	100.00%	16.168%
9	9.928	1325	1332	1337	rBV	1110404	1436926	25.52%	4.126%
10	10.716	1459	1466	1471	rBV	2628822	3477329	61.75%	9.984%
11	11.410	1579	1584	1590	rBV	1139657	1478572	26.26%	4.245%
12	13.004	1848	1855	1860	rBV	4036692	5600486	99.46%	16.080%
13	14.051	2027	2033	2043	rBV	854612	1087688	19.32%	3.123%
14	15.527	2278	2284	2296	rVB	494504	780502	13.86%	2.241%

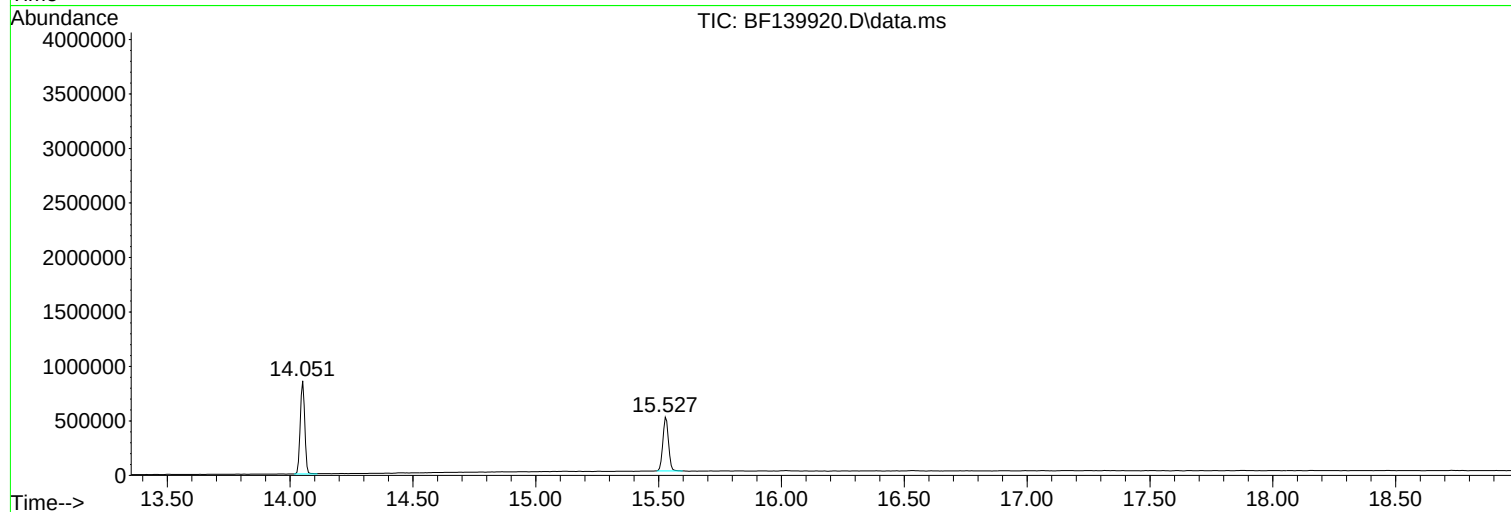
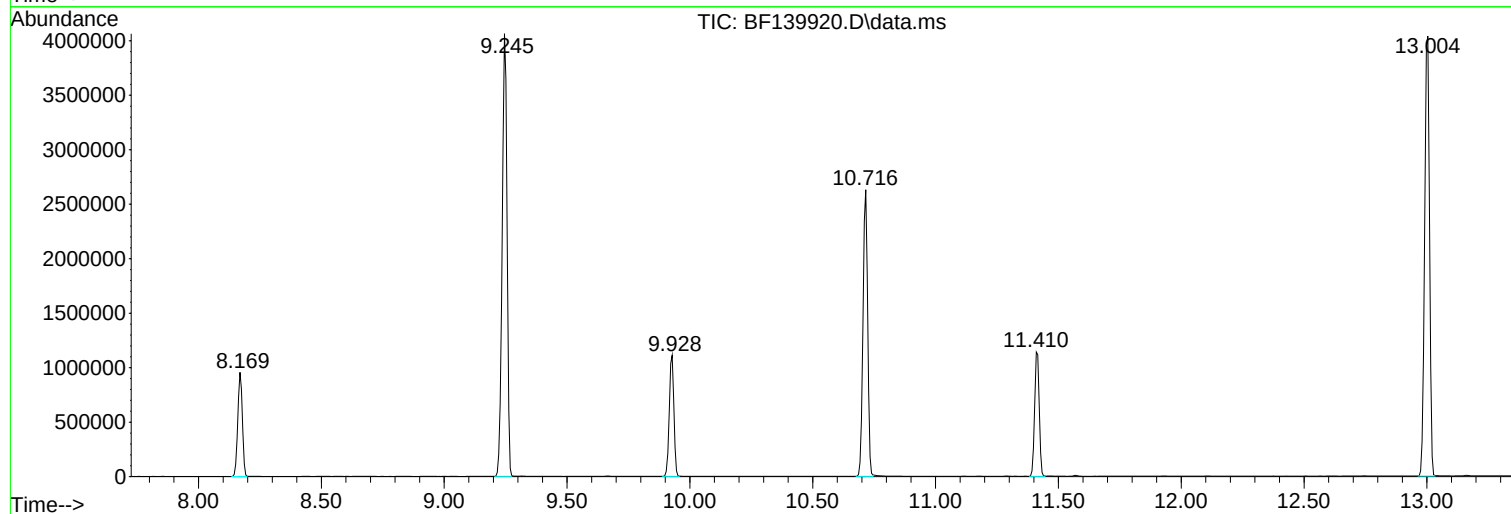
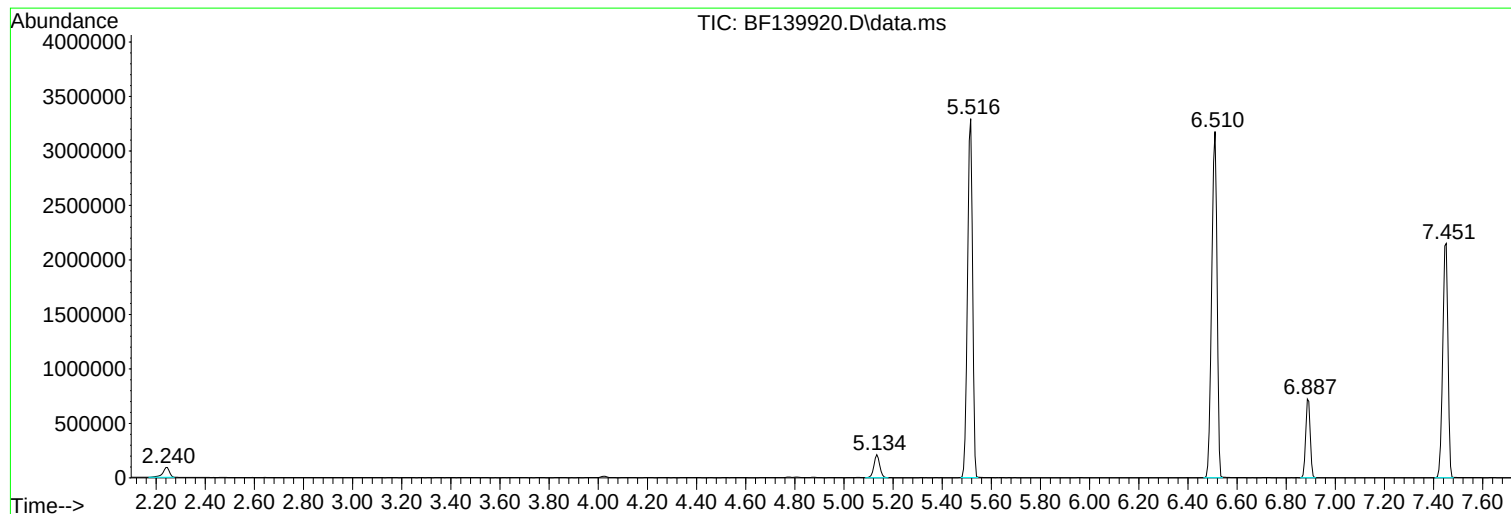
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Data File : BF139920.D
Acq On : 22 Oct 2024 11:05
Operator : RC/JU
Sample : PB164071BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB164071BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.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\BF102224\
Data File : BF139920.D
Acq On : 22 Oct 2024 11:05
Operator : RC/JU
Sample : PB164071BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB164071BL

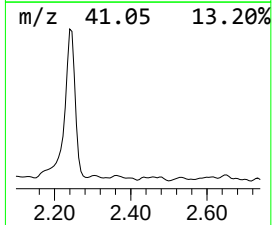
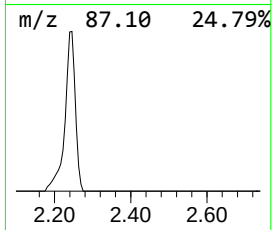
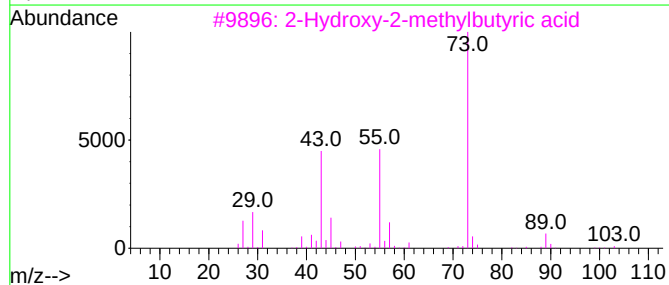
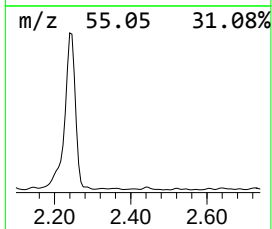
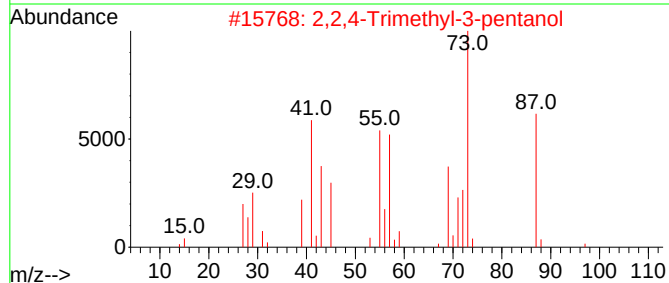
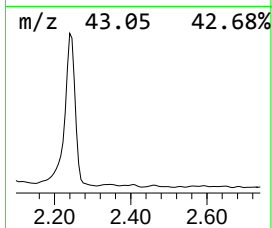
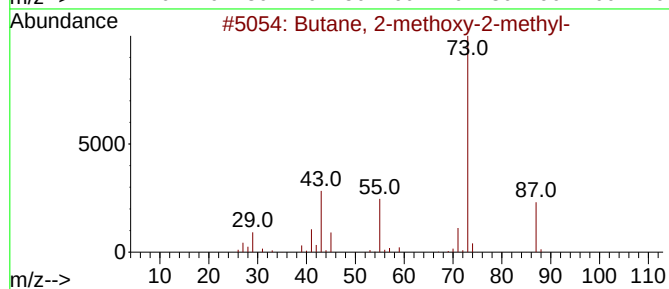
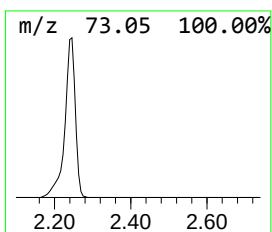
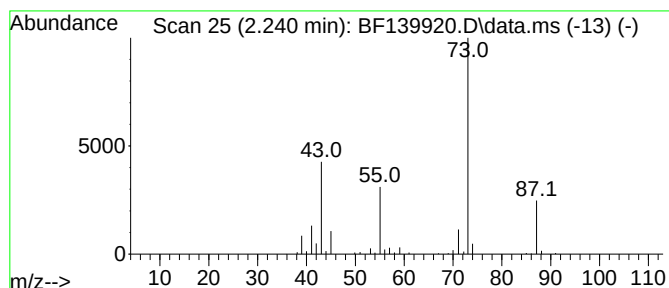
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.240	3.75 ng	172240	1,4-Dichlorobenzene-d4	6.892

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3			2-Hydroxy-2-methylbutyric acid	118	C5H10O3	003739-30-8	25
4			Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	17
5			2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	17



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139920.D
Acq On : 22 Oct 2024 11:05
Operator : RC/JU
Sample : PB164071BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB164071BL

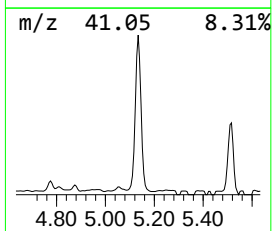
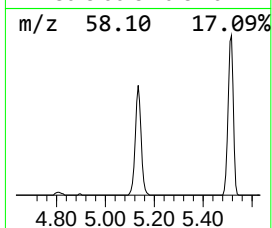
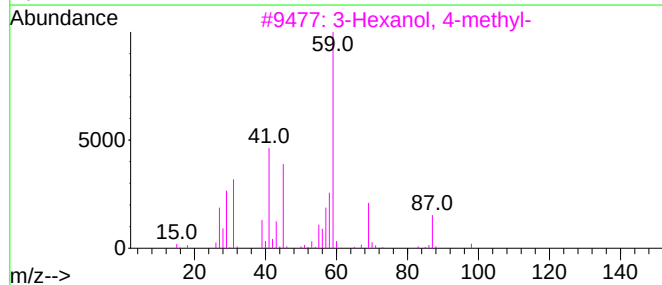
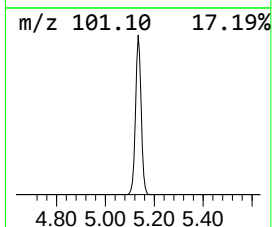
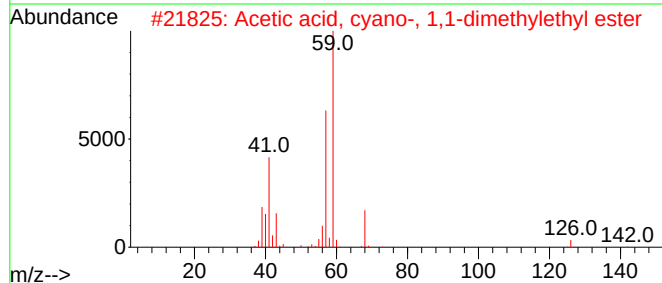
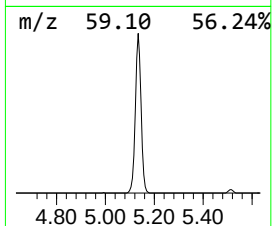
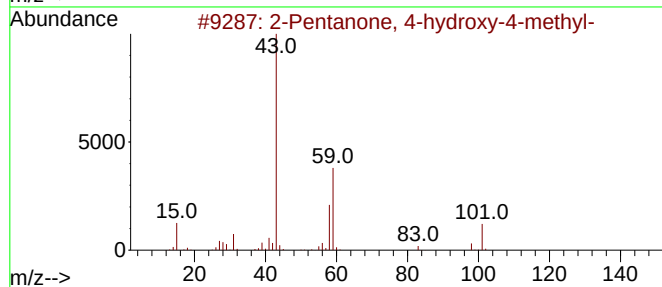
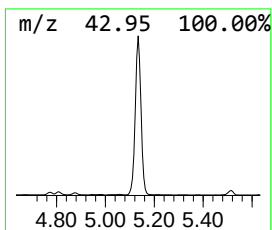
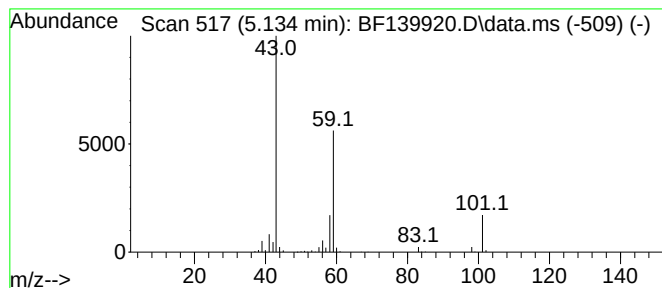
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.134	7.49 ng	343705	1,4-Dichlorobenzene-d4	6.892

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59		
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	37		
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33		
4	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28		
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12		



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139920.D
Acq On : 22 Oct 2024 11:05
Operator : RC/JU
Sample : PB164071BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB164071BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-metho...	2.240	3.8	ng	172240	1	6.892	917903	20.0
2-Pentanone, 4-...	5.134	7.5	ng	343705	1	6.892	917903	20.0

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	
Project:	Robbinsville	Date Received:	
Client Sample ID:	PB164071BS	SDG No.:	P4385
Lab Sample ID:	PB164071BS	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
BF139921.D	1	10/11/24 09:38	10/22/24 11:34	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	640		180	330	ug/Kg
108-95-2	Phenol	1600		82.8	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1600		83.6	170	ug/Kg
95-57-8	2-Chlorophenol	1700		83.4	170	ug/Kg
95-48-7	2-Methylphenol	1700		80.5	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1600		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	1600		90.7	170	ug/Kg
78-59-1	Isophorone	1700		84.5	170	ug/Kg
88-75-5	2-Nitrophenol	1900		94.4	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1900		93.1	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1600		85.7	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1700		75.4	170	ug/Kg
91-20-3	Naphthalene	1600		82.5	170	ug/Kg
106-47-8	4-Chloroaniline	670		82.5	170	ug/Kg
87-68-3	Hexachlorobutadiene	1600		83.2	170	ug/Kg
105-60-2	Caprolactam	1700		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	6200	E	160	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1700		71.3	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1600		73.9	170	ug/Kg
92-52-4	1,1-Biphenyl	1600		87.3	170	ug/Kg
91-58-7	2-Chloronaphthalene	1600		83.2	170	ug/Kg
88-74-4	2-Nitroaniline	1800		94.9	170	ug/Kg
131-11-3	Dimethylphthalate	1700		81.6	170	ug/Kg

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	
Project:	Robbinsville	Date Received:	
Client Sample ID:	PB164071BS	SDG No.:	P4385
Lab Sample ID:	PB164071BS	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
BF139921.D	1	10/11/24 09:38	10/22/24 11:34	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1700		86.4	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1700		83.1	170	ug/Kg
99-09-2	3-Nitroaniline	1100		89.1	170	ug/Kg
83-32-9	Acenaphthene	1800		81.0	170	ug/Kg
51-28-5	2,4-Dinitrophenol	4200	E	240	330	ug/Kg
100-02-7	4-Nitrophenol	3600	E	120	330	ug/Kg
132-64-9	Dibenzofuran	1600		84.3	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1900		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	1700		110	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2400		120	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1700		81.5	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1700		78.8	170	ug/Kg
118-74-1	Hexachlorobenzene	1700		84.9	170	ug/Kg
1912-24-9	Atrazine	1900		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	1700		84.3	170	ug/Kg
86-74-8	Carbazole	1600		80.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	1600		84.2	170	ug/Kg
206-44-0	Fluoranthene	1600		81.6	170	ug/Kg
129-00-0	Pyrene	1900		82.9	170	ug/Kg
85-68-7	Butylbenzylphthalate	1900		96.7	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1200		98.5	330	ug/Kg
56-55-3	Benzo(a)anthracene	1800		80.6	170	ug/Kg
218-01-9	Chrysene	1800		79.4	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2000		90.9	170	ug/Kg
117-84-0	Di-n-octyl phthalate	2000		110	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1700		81.0	170	ug/Kg

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	
Project:	Robbinsville	Date Received:	
Client Sample ID:	PB164071BS	SDG No.:	P4385
Lab Sample ID:	PB164071BS	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
BF139921.D	1	10/11/24 09:38	10/22/24 11:34	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1600		82.5	170	ug/Kg
50-32-8	Benzo(a)pyrene	1900		92.9	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2000		78.0	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1900		81.1	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1800		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	1300		110	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1800		74.6	170	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	135		30 (18) - 130 (112)	90%	SPK: 150
13127-88-3	Phenol-d6	132		30 (15) - 130 (107)	88%	SPK: 150
4165-60-0	Nitrobenzene-d5	98.9		30 (18) - 130 (107)	99%	SPK: 100
321-60-8	2-Fluorobiphenyl	93.3		30 (20) - 130 (109)	93%	SPK: 100
118-79-6	2,4,6-Tribromophenol	154		30 (10) - 130 (116)	103%	SPK: 150
1718-51-0	Terphenyl-d14	113		30 (10) - 130 (105)	113%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	149000	6.893
1146-65-2	Naphthalene-d8	588000	8.175
15067-26-2	Acenaphthene-d10	332000	9.934
1517-22-2	Phenanthrene-d10	575000	11.416
1719-03-5	Chrysene-d12	270000	14.057
1520-96-3	Perylene-d12	309000	15.533

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\BF102224\
 Data File : BF139921.D
 Acq On : 22 Oct 2024 11:34
 Operator : RC/JU
 Sample : PB164071BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB164071BS

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024
 Supervised By :mohammad ahmed 10/24/2024

Quant Time: Oct 22 12:33:25 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	149304	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	587812	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	331508	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	575136	20.000	ng	0.00
76) Chrysene-d12	14.057	240	270065	20.000	ng	0.00
86) Perylene-d12	15.533	264	308770	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1290423	135.304	ng	0.02
7) Phenol-d6	6.516	99	1632917	132.196	ng	0.00
23) Nitrobenzene-d5	7.451	82	1048438	98.855	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	477449	153.975	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	1870948	93.274	ng	0.00
79) Terphenyl-d14	12.998	244	1871355	112.911	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.763	88	177304	39.873	ng	97
3) Pyridine	3.516	79	473207	42.933	ng	97
4) n-Nitrosodimethylamine	3.469	42	270927	45.750	ng	97
6) Aniline	6.551	93	491179	42.667	ng	99
8) 2-Chlorophenol	6.675	128	501185	51.404	ng	98
9) Benzaldehyde	6.440	77	134436	19.347	ng	97
10) Phenol	6.528	94	625472m	49.116	ng	
11) bis(2-Chloroethyl)ether	6.628	93	485844	49.360	ng	99
12) 1,3-Dichlorobenzene	6.834	146	530272	47.379	ng	99
13) 1,4-Dichlorobenzene	6.910	146	532834	47.652	ng	99
14) 1,2-Dichlorobenzene	7.063	146	518464	49.681	ng	98
15) Benzyl Alcohol	7.028	79	465275	51.350	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.163	45	822320	48.996	ng	99
17) 2-Methylphenol	7.140	107	419820	50.497	ng	99
18) Hexachloroethane	7.404	117	194948	48.891	ng	97
19) n-Nitroso-di-n-propyla...	7.304	70	366243	48.887	ng	98
20) 3+4-Methylphenols	7.293	107	514385	48.372	ng	# 82
22) Acetophenone	7.298	105	685459	47.610	ng	99
24) Nitrobenzene	7.475	77	547965	47.124	ng	99
25) Isophorone	7.710	82	1001892	49.772	ng	100
26) 2-Nitrophenol	7.787	139	253829	57.863	ng	96
27) 2,4-Dimethylphenol	7.822	122	420514	57.489	ng	99
28) bis(2-Chloroethoxy)met...	7.922	93	590169	48.390	ng	99
29) 2,4-Dichlorophenol	8.028	162	418284	50.204	ng	98
30) 1,2,4-Trichlorobenzene	8.116	180	436154	47.310	ng	100
31) Naphthalene	8.198	128	1448505	47.780	ng	100
32) Benzoic acid	7.934	122	317086	49.701	ng	97
33) 4-Chloroaniline	8.239	127	206568	19.983	ng	98
34) Hexachlorobutadiene	8.310	225	279670	48.282	ng	99
35) Caprolactam	8.610	113	135266m	51.060	ng	
36) 4-Chloro-3-methylphenol	8.716	107	456067	49.435	ng	98
37) 2-Methylnaphthalene	8.887	142	915743	49.322	ng	100
38) 1-Methylnaphthalene	8.986	142	855292	46.953	ng	99
40) 1,2,4,5-Tetrachloroben...	9.051	216	423930	47.401	ng	99
41) Hexachlorocyclopentadiene	9.039	237	581876	186.982	ng	99
43) 2,4,6-Trichlorophenol	9.163	196	322394	50.915	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
 Data File : BF139921.D
 Acq On : 22 Oct 2024 11:34
 Operator : RC/JU
 Sample : PB164071BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

PB164071BS

Manual Integrations**APPROVED**

Reviewed By :Jagrut Upadhyay 10/23/2024
 Supervised By :mohammad ahmed 10/24/2024

Quant Time: Oct 22 12:33:25 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Oct 18 15:07:50 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	319753	48.945	ng	99
46) 1,1'-Biphenyl	9.351	154	1106952	47.966	ng	100
47) 2-Chloronaphthalene	9.375	162	875802	47.119	ng	99
48) 2-Nitroaniline	9.469	65	302215	53.162	ng	93
49) Acenaphthylene	9.792	152	1377936	51.279	ng	99
50) Dimethylphthalate	9.651	163	1034021	50.076	ng	99
51) 2,6-Dinitrotoluene	9.710	165	230480	51.551	ng	98
52) Acenaphthene	9.963	154	953212	54.836	ng	100
53) 3-Nitroaniline	9.875	138	146340	31.740	ng	97
54) 2,4-Dinitrophenol	9.986	184	242958	126.649	ng	# 1
55) Dibenzofuran	10.139	168	1209353	48.489	ng	99
56) 4-Nitrophenol	10.034	139	387313	109.189	ng	99
57) 2,4-Dinitrotoluene	10.116	165	310673	56.506	ng	98
58) Fluorene	10.481	166	917608	48.305	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.251	232	270120	52.745	ng	98
60) Diethylphthalate	10.351	149	996554	49.154	ng	100
61) 4-Chlorophenyl-phenyle...	10.469	204	466085	48.585	ng	99
62) 4-Nitroaniline	10.492	138	223547	51.337	ng	97
63) Azobenzene	10.633	77	1028607	47.856	ng	97
65) 4,6-Dinitro-2-methylph...	10.522	198	165731	70.645	ng	93
66) n-Nitrosodiphenylamine	10.592	169	862616	50.112	ng	100
67) 4-Bromophenyl-phenylether	10.963	248	302738	51.095	ng	95
68) Hexachlorobenzene	11.028	284	336457	50.492	ng	97
69) Atrazine	11.116	200	272149	58.364	ng	100
70) Pentachlorophenol	11.216	266	416766	103.053	ng	99
71) Phenanthrene	11.445	178	1360228	50.069	ng	99
72) Anthracene	11.492	178	1383255	52.186	ng	100
73) Carbazole	11.645	167	1198727	48.627	ng	99
74) Di-n-butylphthalate	11.975	149	1403424	49.276	ng	100
75) Fluoranthene	12.627	202	1340657	48.816	ng	100
77) Benzidine	12.745	184	237429	53.466	ng	98
78) Pyrene	12.857	202	1346251	56.949	ng	100
80) Butylbenzylphthalate	13.474	149	405724	57.247	ng	99
81) Benzo(a)anthracene	14.045	228	931291	52.973	ng	100
82) 3,3'-Dichlorobenzidine	14.004	252	177259	34.582	ng	97
83) Chrysene	14.080	228	858190	53.241	ng	100
84) Bis(2-ethylhexyl)phtha...	14.033	149	478944	60.233	ng	100
85) Di-n-octyl phthalate	14.645	149	883366	61.078	ng	97
87) Indeno(1,2,3-cd)pyrene	17.033	276	1186119	59.712	ng	98
88) Benzo(b)fluoranthene	15.098	252	963492	51.225	ng	99
89) Benzo(k)fluoranthene	15.127	252	785059	48.397	ng	99
90) Benzo(a)pyrene	15.474	252	866062	55.959	ng	98
91) Dibenzo(a,h)anthracene	17.057	278	969171	58.486	ng	98
92) Benzo(g,h,i)perylene	17.492	276	909062	54.921	ng	98

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

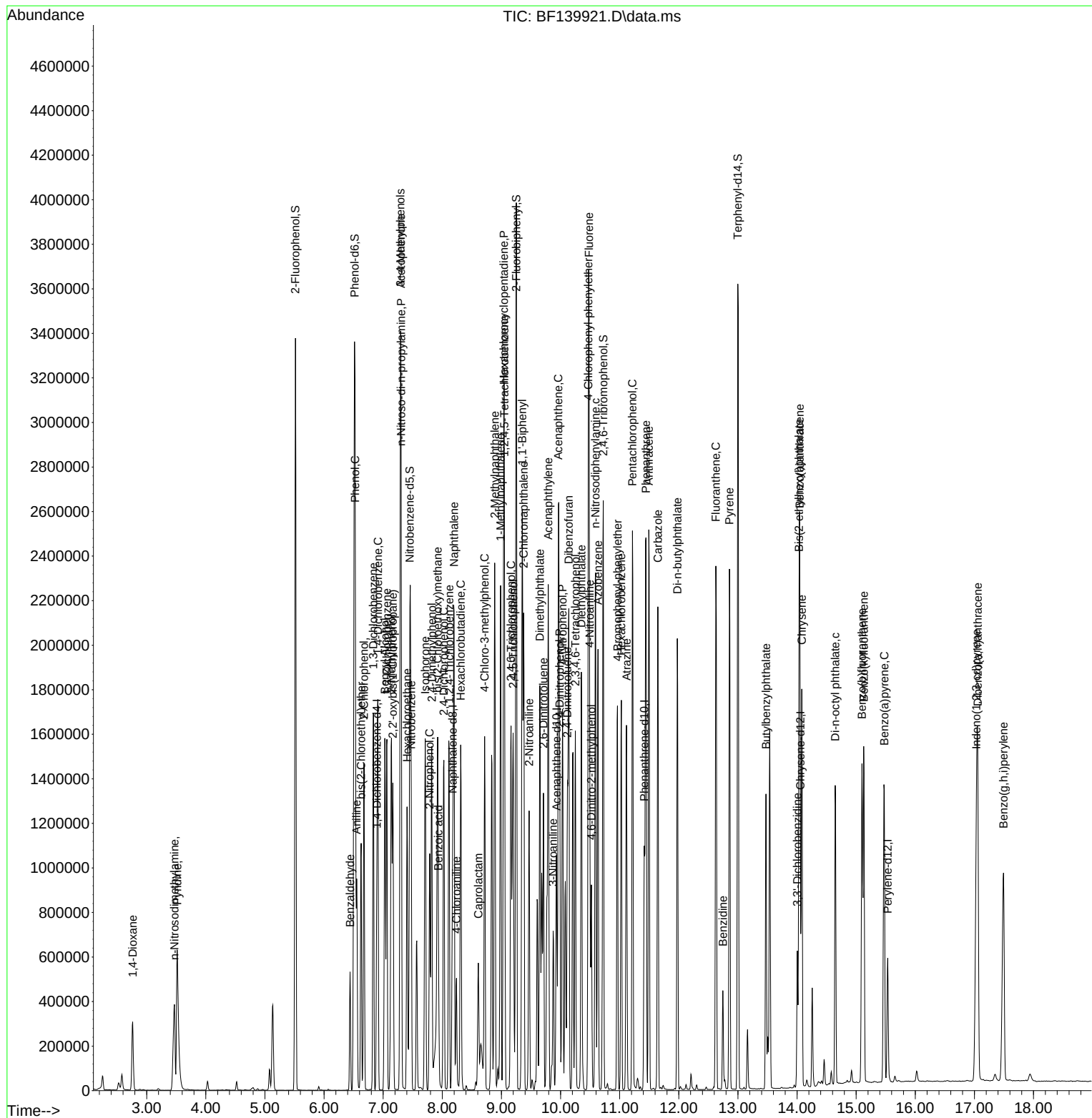
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139921.D
Acq On : 22 Oct 2024 11:34
Operator : RC/JU
Sample : PB164071BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

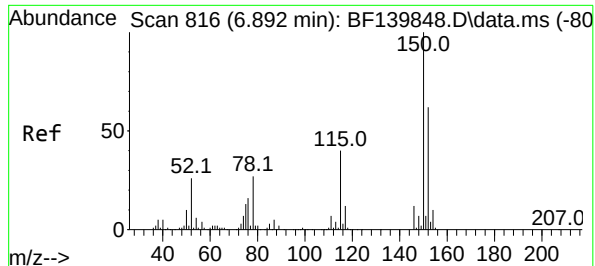
Instrument :
BNA_F
ClientSampleId :
PB164071BS

Manual Integrations

Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

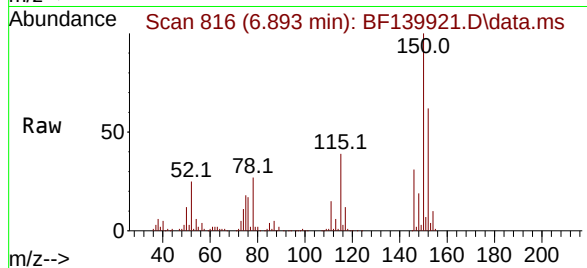
Quant Time: Oct 22 12:33:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 81
Delta R.T. 0.001 min
Lab File: BF139921.D
Acq: 22 Oct 2024 11:34

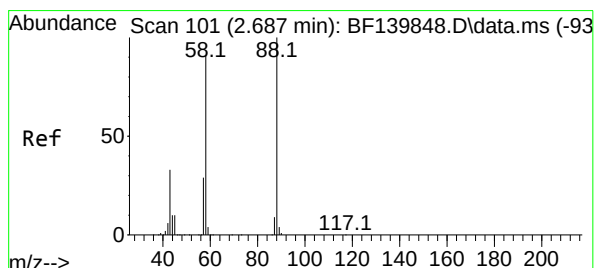
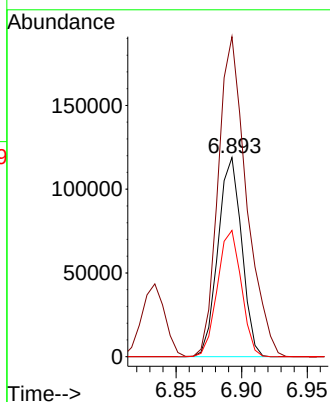
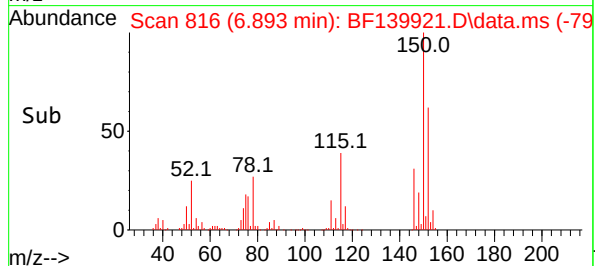
Instrument :
BNA_F
ClientSampleId :
PB164071BS



Tgt Ion:152 Resp: 149304
Ion Ratio Lower Upper
152 100
150 160.7 130.2 195.2
115 63.4 51.4 77.2

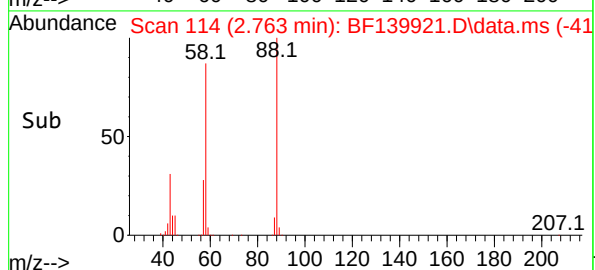
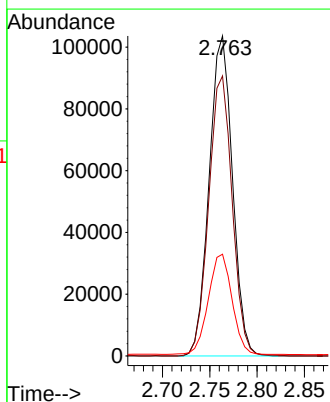
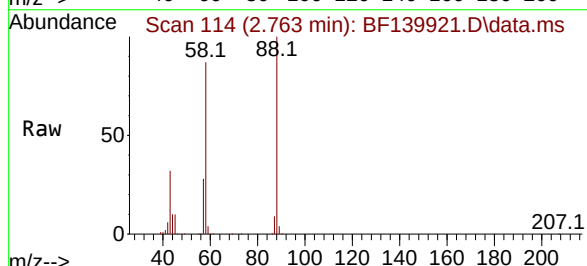
Manual Integrations
APPROVED

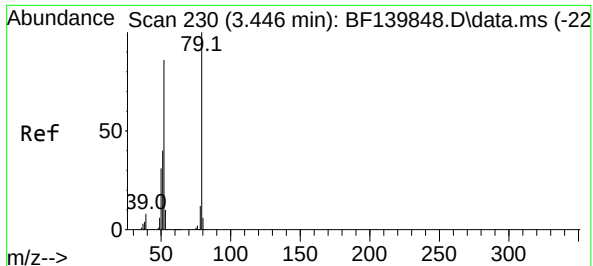
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#2
1,4-Dioxane
Concen: 39.873 ng
RT: 2.763 min Scan# 114
Delta R.T. 0.077 min
Lab File: BF139921.D
Acq: 22 Oct 2024 11:34

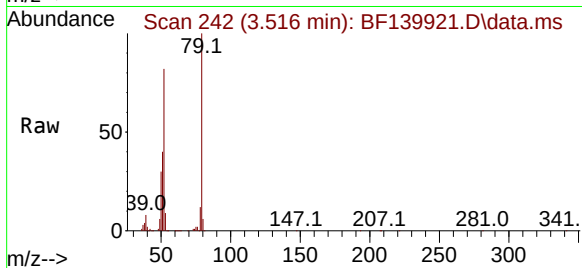
Tgt Ion: 88 Resp: 177304
Ion Ratio Lower Upper
88 100
58 88.3 73.3 109.9
43 32.1 27.1 40.7





#3
Pyridine
Concen: 42.933 ng
RT: 3.516 min Scan# 24
Delta R.T. 0.071 min
Lab File: BF139921.D
Acq: 22 Oct 2024 11:34

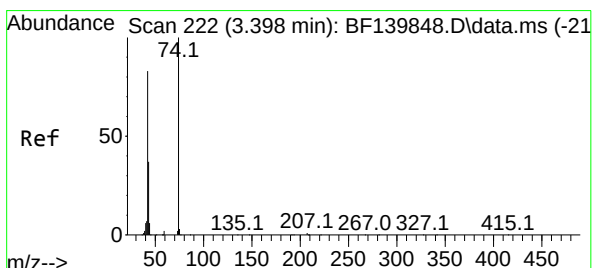
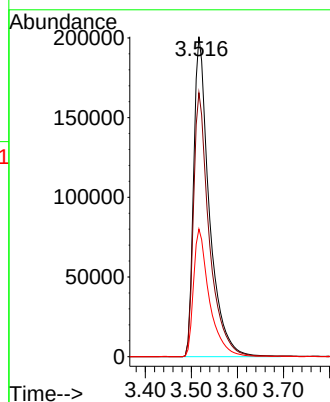
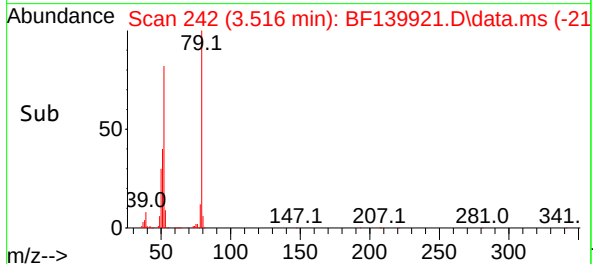
Instrument :
BNA_F
ClientSampleId :
PB164071BS



Tgt Ion: 79 Resp: 47320
Ion Ratio Lower Upper
79 100
52 82.5 68.5 102.7
51 39.9 32.3 48.5

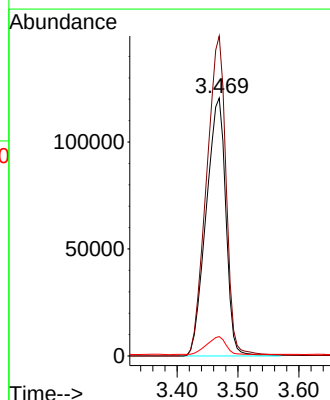
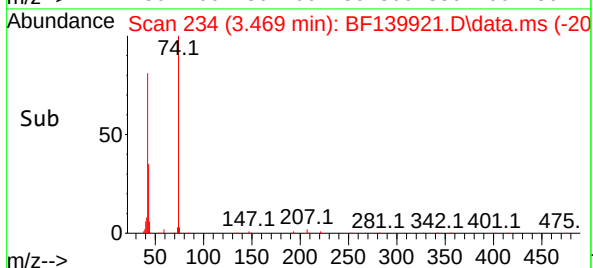
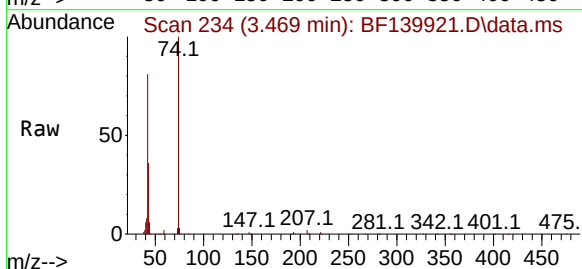
Manual Integrations
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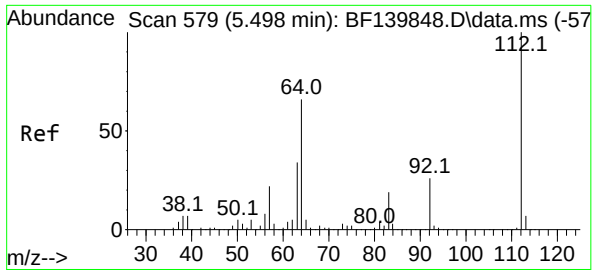
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#4
n-Nitrosodimethylamine
Concen: 45.750 ng
RT: 3.469 min Scan# 234
Delta R.T. 0.071 min
Lab File: BF139921.D
Acq: 22 Oct 2024 11:34

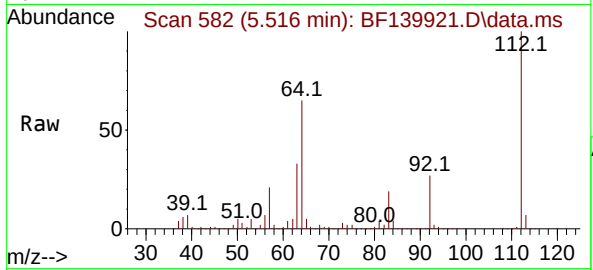
Tgt Ion: 42 Resp: 270927
Ion Ratio Lower Upper
42 100
74 124.1 96.2 144.4
44 7.5 6.2 9.2





#5
2-Fluorophenol
Concen: 135.304 ng
RT: 5.516 min Scan# 582
Delta R.T. 0.018 min
Lab File: BF139921.D
Acq: 22 Oct 2024 11:34

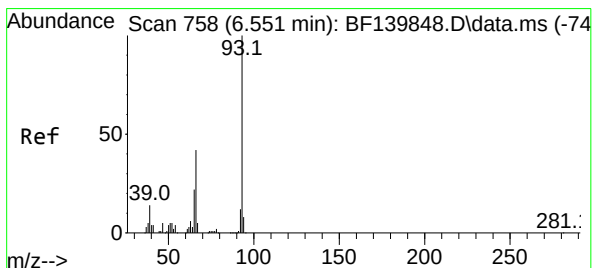
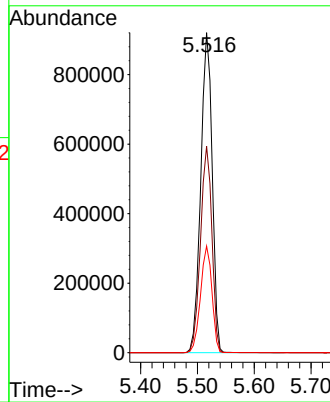
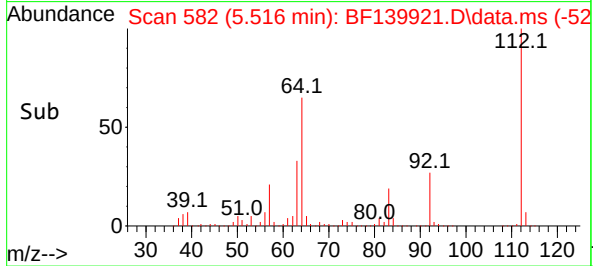
Instrument :
BNA_F
ClientSampleId :
PB164071BS



Tgt Ion:112 Resp: 129042
Ion Ratio Lower Upper
112 100
64 64.5 53.0 79.6
63 33.3 27.0 40.4

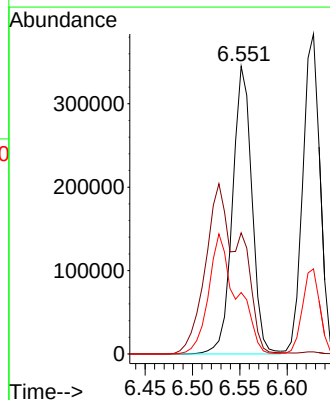
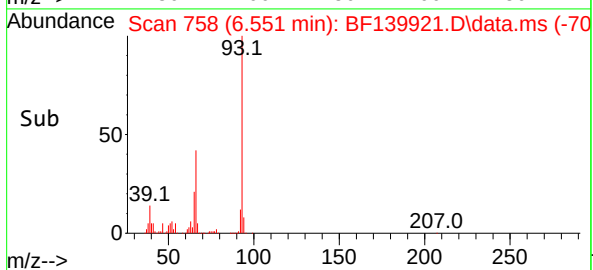
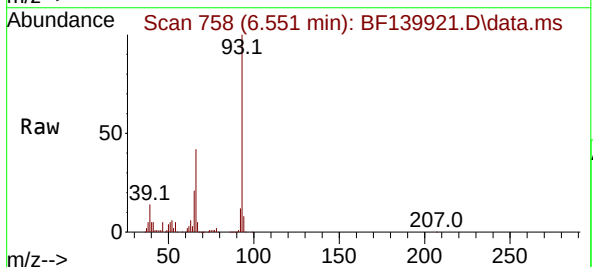
Manual Integrations
APPROVED

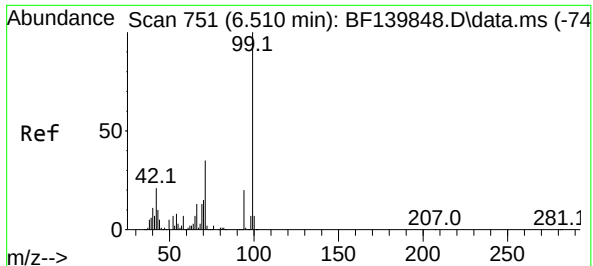
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#6
Aniline
Concen: 42.667 ng
RT: 6.551 min Scan# 758
Delta R.T. 0.000 min
Lab File: BF139921.D
Acq: 22 Oct 2024 11:34

Tgt Ion: 93 Resp: 491179
Ion Ratio Lower Upper
93 100
66 42.1 34.0 51.0
65 21.3 17.4 26.0





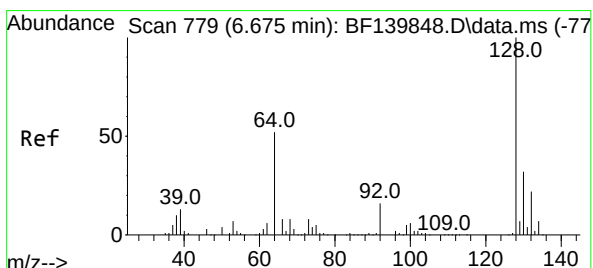
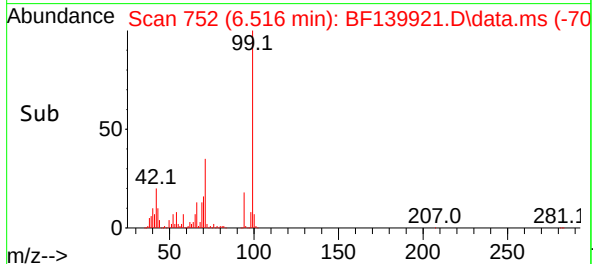
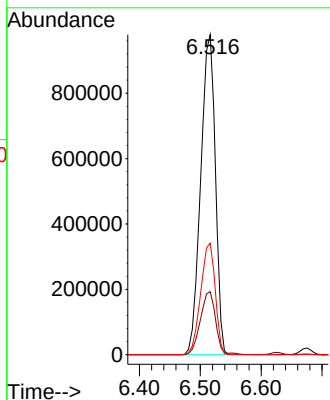
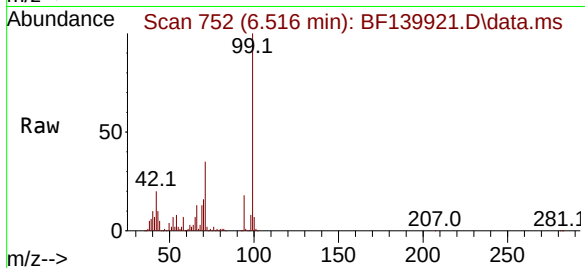
#7
Phenol-d6
Concen: 132.196 ng
RT: 6.516 min Scan# 752
Delta R.T. 0.006 min
Lab File: BF139921.D
Acq: 22 Oct 2024 11:34

Instrument :
BNA_F
ClientSampleId :
PB164071BS

Tgt Ion: 99 Resp: 163291
Ion Ratio Lower Upper
99 100
42 19.7 16.7 25.1
71 34.9 27.7 41.5

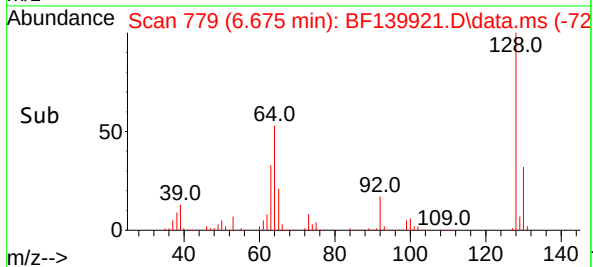
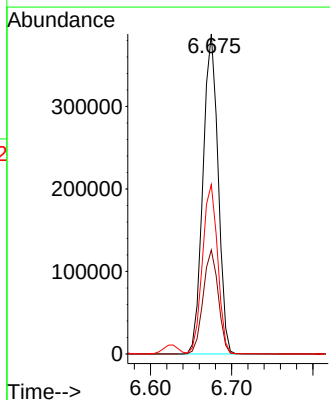
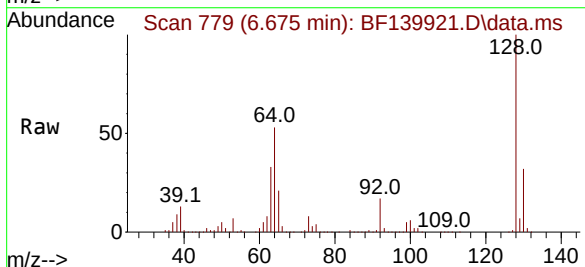
Manual Integrations
APPROVED

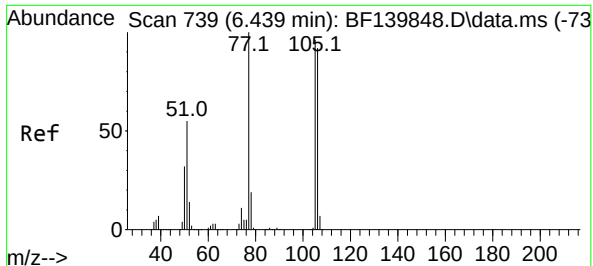
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#8
2-Chlorophenol
Concen: 51.404 ng
RT: 6.675 min Scan# 779
Delta R.T. 0.000 min
Lab File: BF139921.D
Acq: 22 Oct 2024 11:34

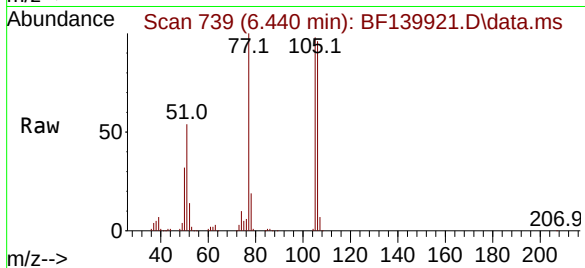
Tgt Ion:128 Resp: 501185
Ion Ratio Lower Upper
128 100
130 32.5 12.3 52.3
64 53.0 34.6 74.6





#9
Benzaldehyde
Concen: 19.347 ng
RT: 6.440 min Scan# 739
Delta R.T. 0.001 min
Lab File: BF139921.D
Acq: 22 Oct 2024 11:34

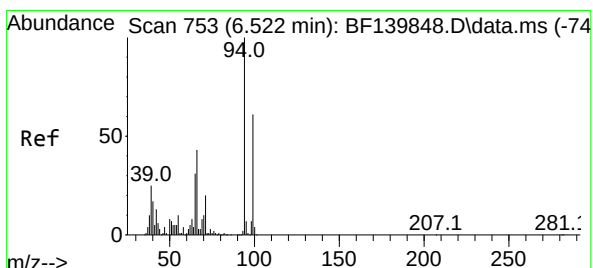
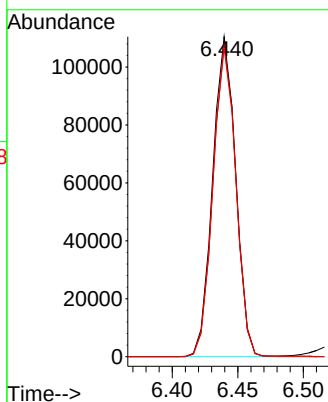
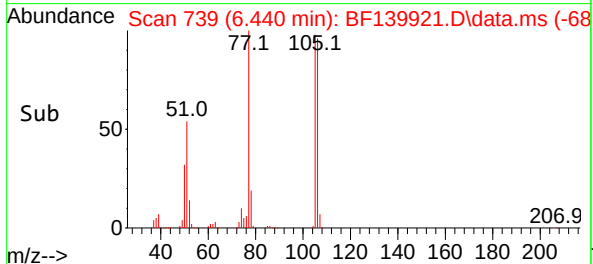
Instrument :
BNA_F
ClientSampleId :
PB164071BS



Tgt Ion: 77 Resp: 134436
Ion Ratio Lower Upper
77 100
105 97.5 75.5 115.5
106 96.4 71.7 111.7

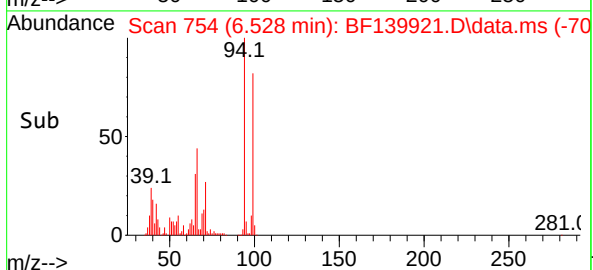
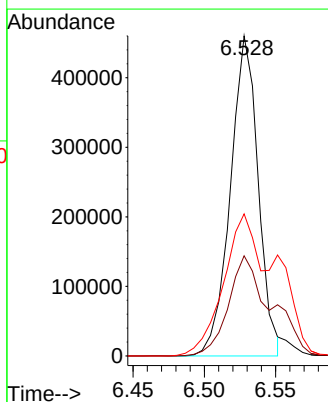
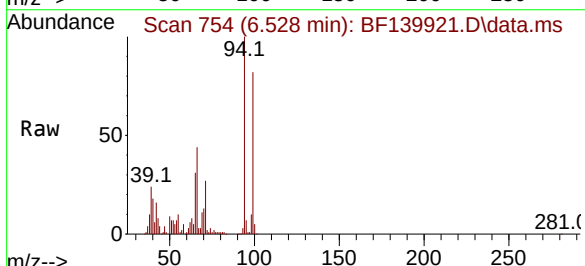
Manual Integrations
APPROVED

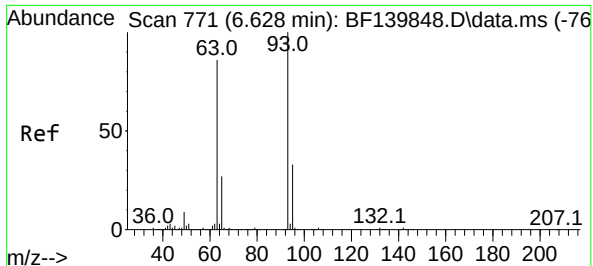
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#10
Phenol
Concen: 49.116 ng m
RT: 6.528 min Scan# 754
Delta R.T. 0.006 min
Lab File: BF139921.D
Acq: 22 Oct 2024 11:34

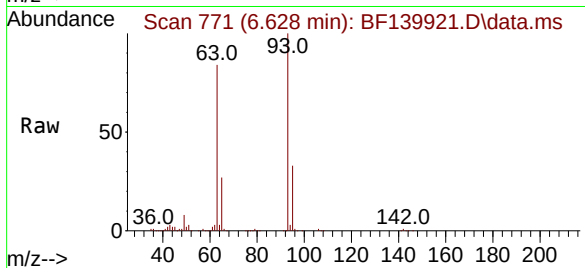
Tgt Ion: 94 Resp: 625472
Ion Ratio Lower Upper
94 100
65 31.3 11.1 51.1
66 44.4 22.7 62.7





#11
bis(2-Chloroethyl)ether
Concen: 49.360 ng
RT: 6.628 min Scan# 771
Delta R.T. 0.000 min
Lab File: BF139921.D
Acq: 22 Oct 2024 11:34

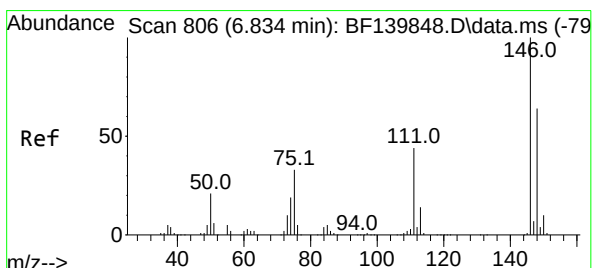
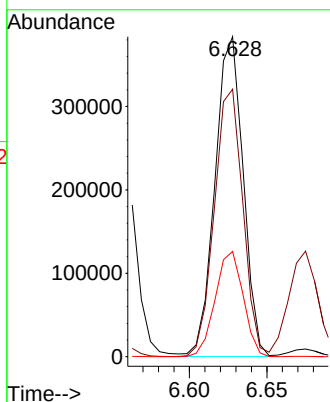
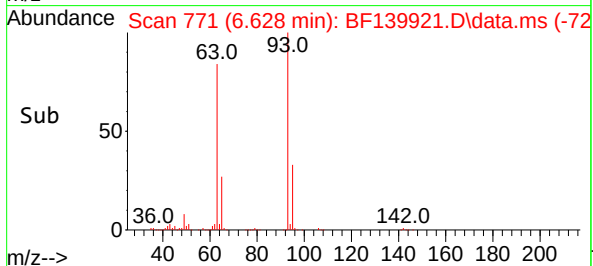
Instrument :
BNA_F
ClientSampleId :
PB164071BS



Tgt Ion: 93 Resp: 48584
Ion Ratio Lower Upper
93 100
63 83.6 65.0 105.0
95 32.9 12.4 52.4

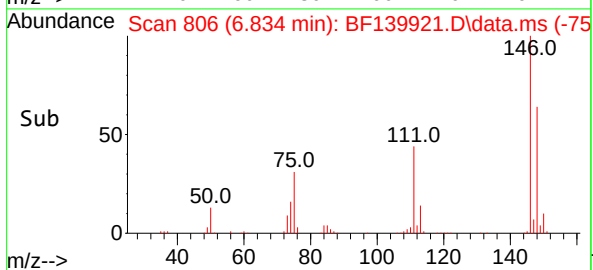
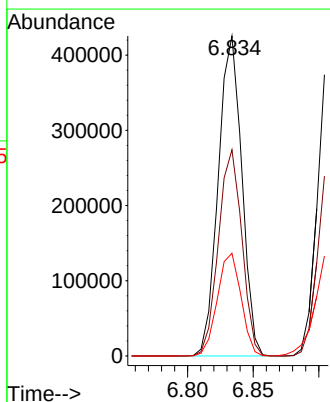
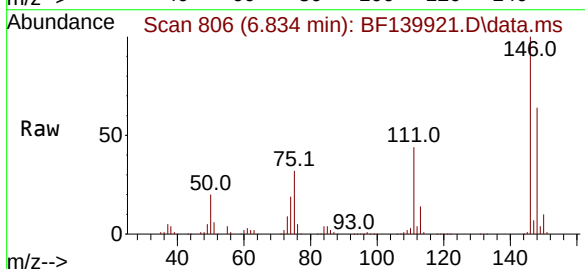
Manual Integrations
APPROVED

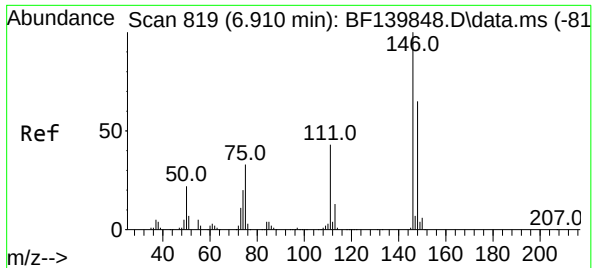
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#12
1,3-Dichlorobenzene
Concen: 47.379 ng
RT: 6.834 min Scan# 806
Delta R.T. 0.000 min
Lab File: BF139921.D
Acq: 22 Oct 2024 11:34

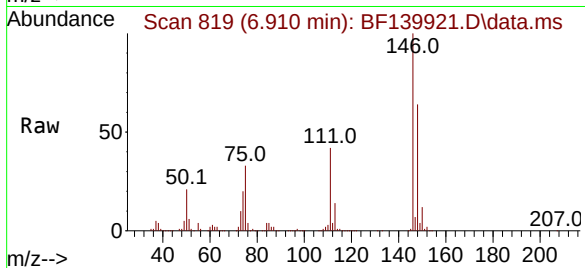
Tgt Ion:146 Resp: 530272
Ion Ratio Lower Upper
146 100
148 64.4 51.0 76.4
75 32.1 26.4 39.6





#13
1,4-Dichlorobenzene
Concen: 47.652 ng
RT: 6.910 min Scan# 819
Delta R.T. 0.000 min
Lab File: BF139921.D
Acq: 22 Oct 2024 11:34

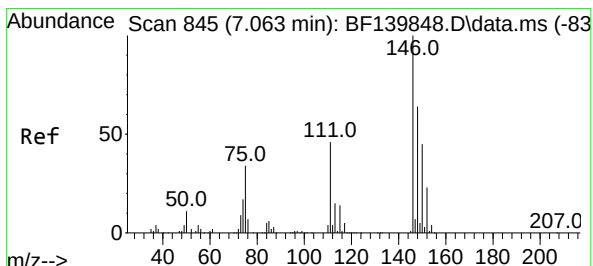
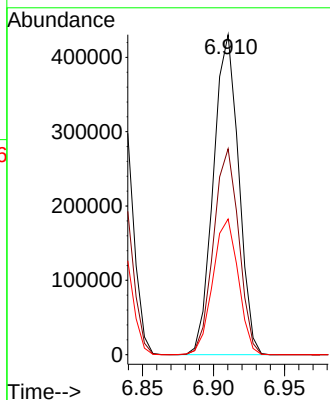
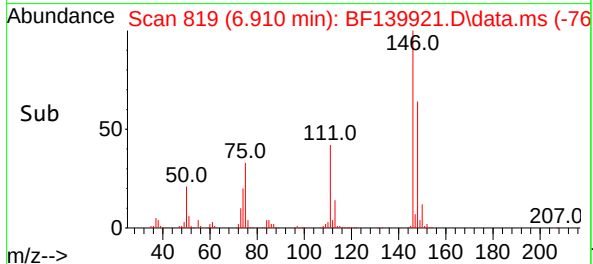
Instrument :
BNA_F
ClientSampleId :
PB164071BS



Tgt Ion:146 Resp: 532834
Ion Ratio Lower Upper
146 100
148 64.3 51.8 77.8
111 42.4 34.6 51.8

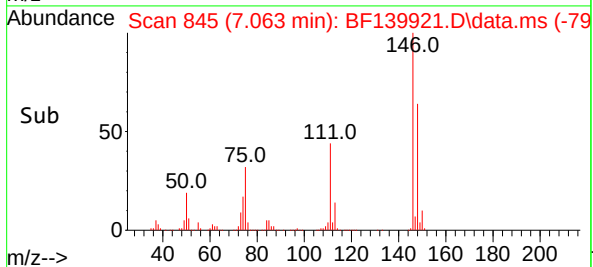
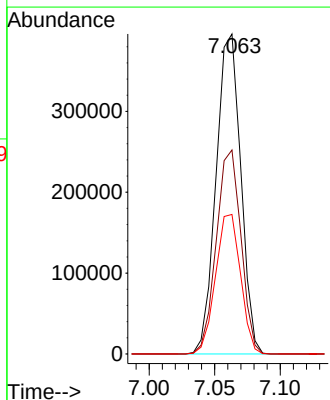
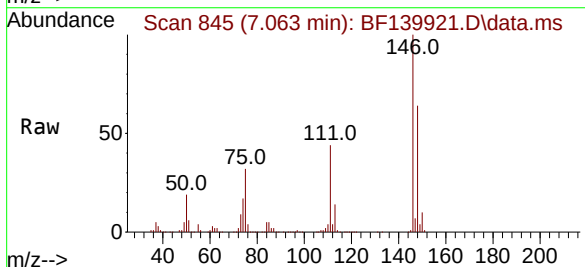
Manual Integrations
APPROVED

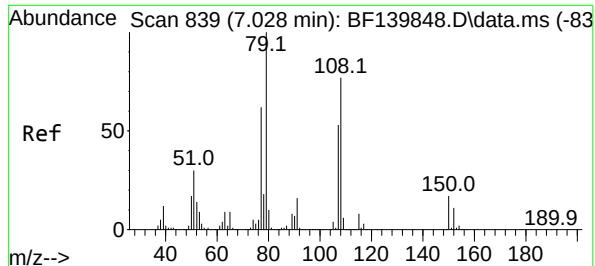
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#14
1,2-Dichlorobenzene
Concen: 49.681 ng
RT: 7.063 min Scan# 845
Delta R.T. 0.000 min
Lab File: BF139921.D
Acq: 22 Oct 2024 11:34

Tgt Ion:146 Resp: 518464
Ion Ratio Lower Upper
146 100
148 63.7 51.4 77.2
111 43.6 36.7 55.1





#15

Benzyl Alcohol

Concen: 51.350 ng

RT: 7.028 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF139921.D

Acq: 22 Oct 2024 11:34

Instrument :

BNA_F

ClientSampleId :

PB164071BS

Tgt Ion: 79 Resp: 465275

Ion Ratio Lower Upper

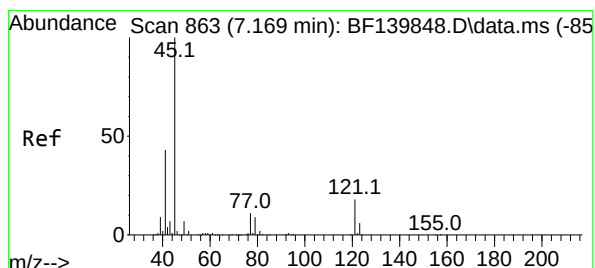
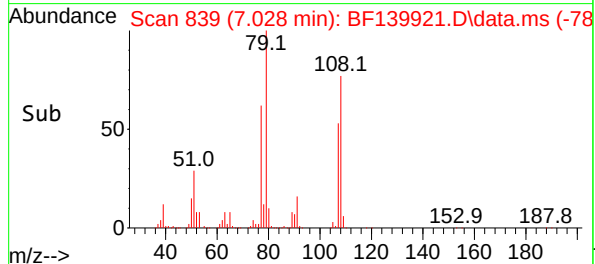
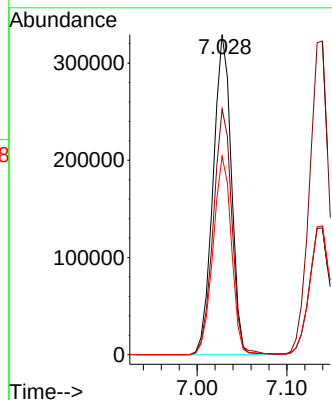
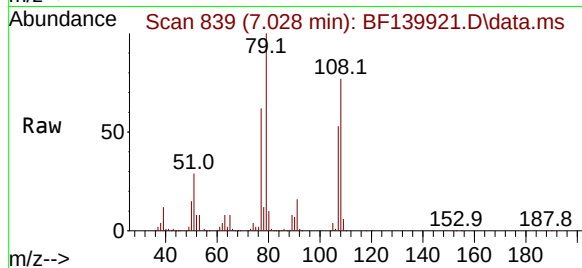
79 100

108 76.8 61.4 92.0

77 62.0 49.9 74.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

#16

2,2'-oxybis(1-Chloropropane)

Concen: 48.996 ng

RT: 7.163 min Scan# 862

Delta R.T. -0.006 min

Lab File: BF139921.D

Acq: 22 Oct 2024 11:34

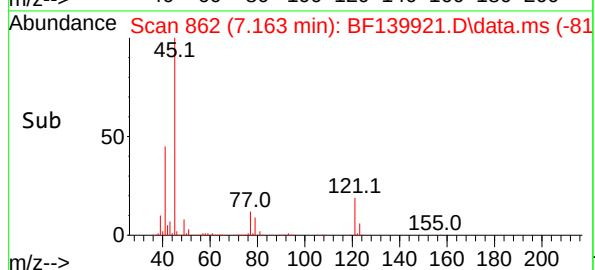
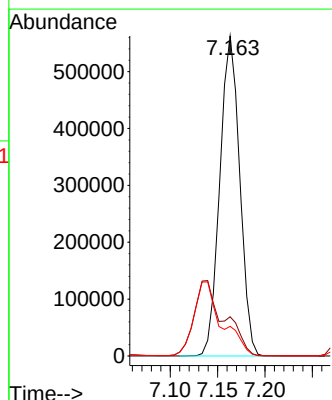
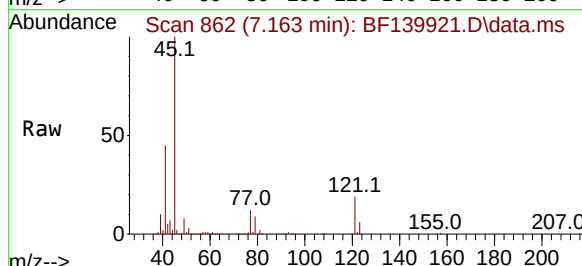
Tgt Ion: 45 Resp: 822320

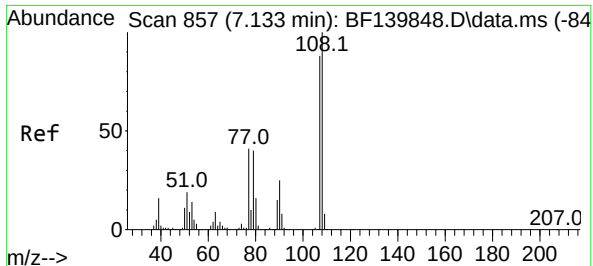
Ion Ratio Lower Upper

45 100

77 12.3 0.0 31.5

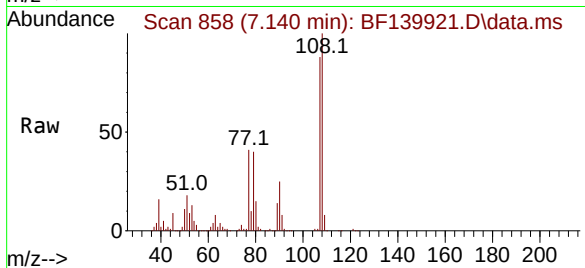
79 9.3 0.0 29.1





#17
2-Methylphenol
Concen: 50.497 ng
RT: 7.140 min Scan# 857
Delta R.T. 0.006 min
Lab File: BF139921.D
Acq: 22 Oct 2024 11:34

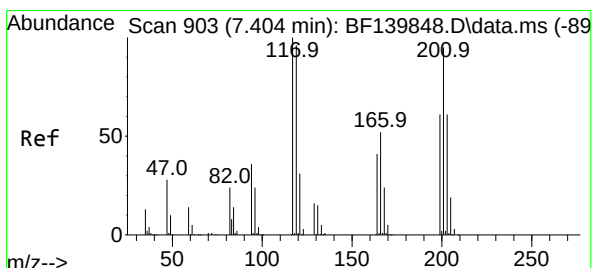
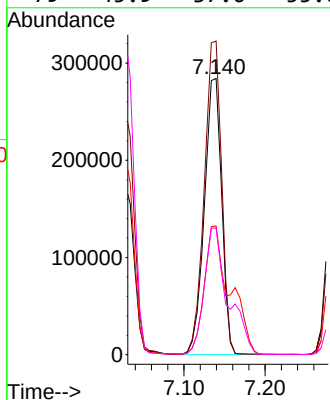
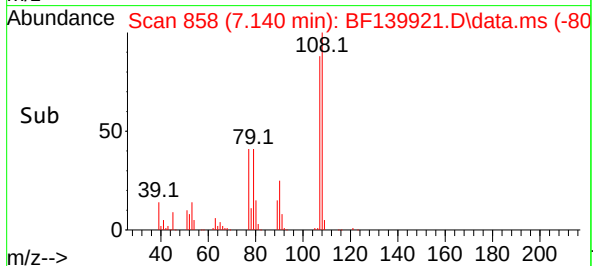
Instrument :
BNA_F
ClientSampleId :
PB164071BS



Tgt Ion:107 Resp: 419820
Ion Ratio Lower Upper
107 100
108 113.5 91.3 136.9
77 46.6 37.1 55.7
79 45.9 37.0 55.6

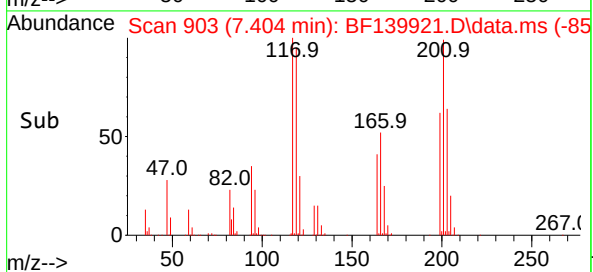
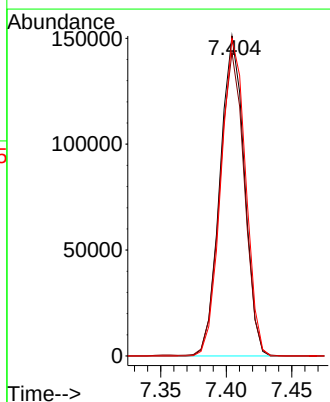
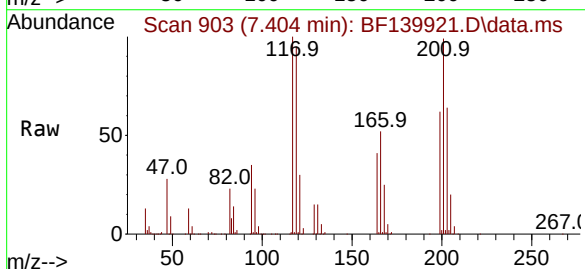
Manual Integrations
APPROVED

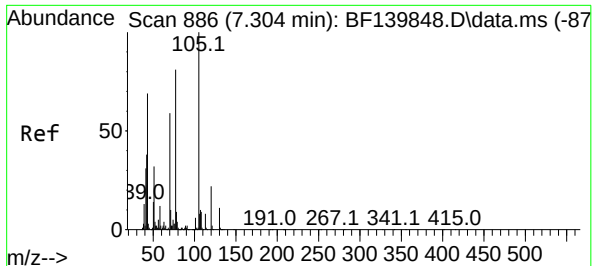
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#18
Hexachloroethane
Concen: 48.891 ng
RT: 7.404 min Scan# 903
Delta R.T. 0.000 min
Lab File: BF139921.D
Acq: 22 Oct 2024 11:34

Tgt Ion:117 Resp: 194948
Ion Ratio Lower Upper
117 100
119 94.9 77.0 115.4
201 99.2 76.2 114.4





#19

n-Nitroso-di-n-propylamine

Concen: 48.887 ng

RT: 7.304 min Scan# 886

Delta R.T. 0.000 min

Lab File: BF139921.D

Acq: 22 Oct 2024 11:34

Instrument :

BNA_F

ClientSampleId :

PB164071BS

Tgt Ion: 70 Resp: 36624

Ion Ratio Lower Upper

70 100

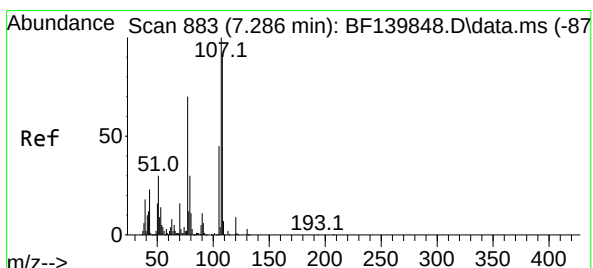
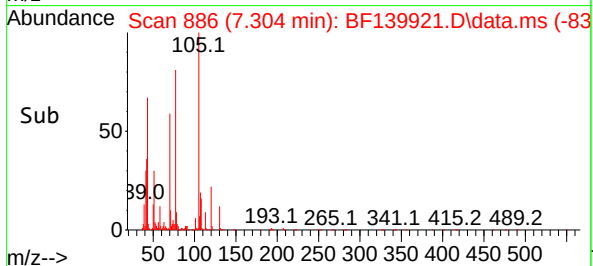
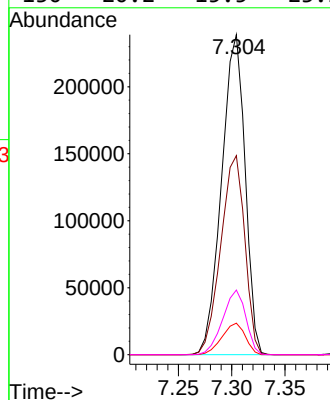
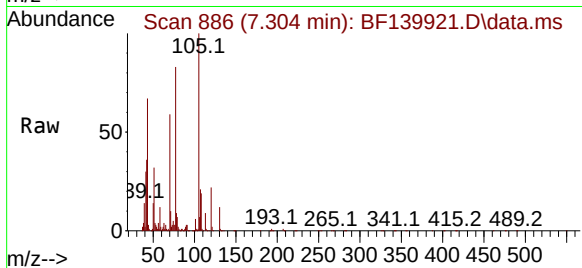
42 62.2 51.5 77.3

101 9.8 7.5 11.3

130 20.2 15.5 23.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

#20

3+4-Methylphenols

Concen: 48.372 ng

RT: 7.293 min Scan# 884

Delta R.T. 0.006 min

Lab File: BF139921.D

Acq: 22 Oct 2024 11:34

Tgt Ion:107 Resp: 514385

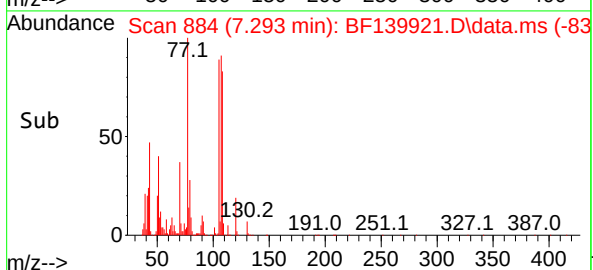
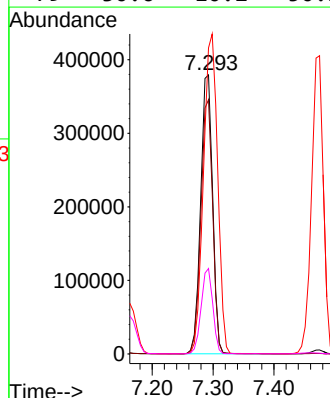
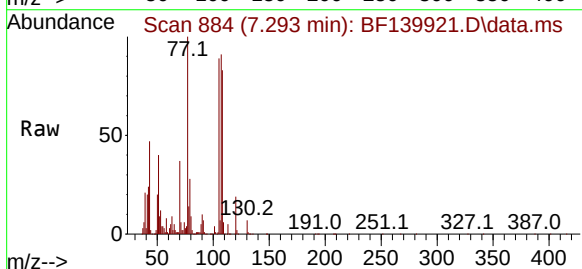
Ion Ratio Lower Upper

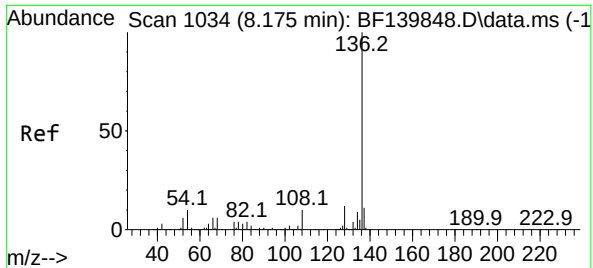
107 100

108 91.1 69.8 109.8

77 109.7 50.5 90.5#

79 30.6 10.2 50.2





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1034
Delta R.T. 0.000 min
Lab File: BF139921.D
Acq: 22 Oct 2024 11:34

Instrument :

BNA_F

ClientSampleId :

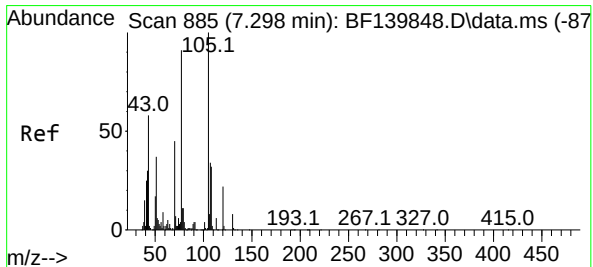
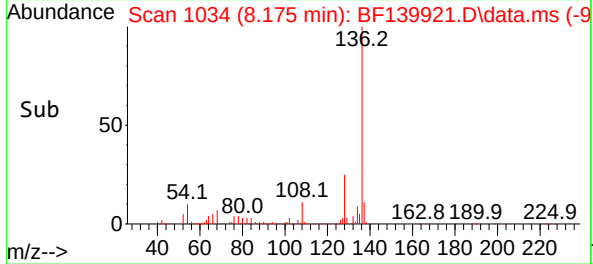
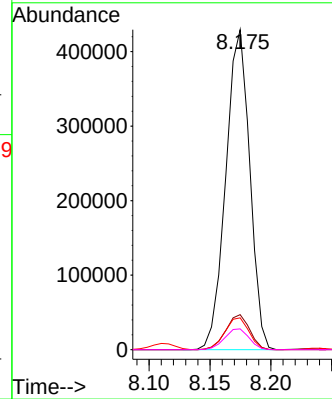
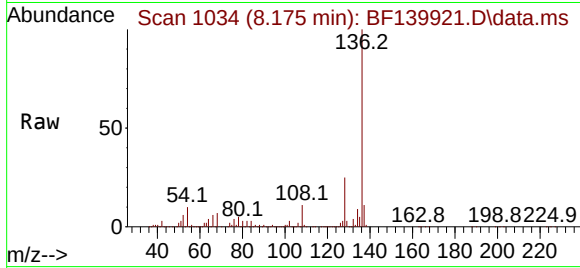
PB164071BS

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	12.8
54	9.9	8.4	12.6
68	6.5	5.1	7.7

Manual Integrations

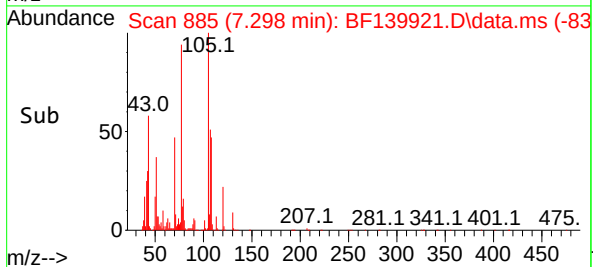
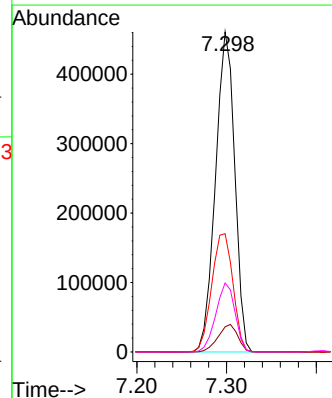
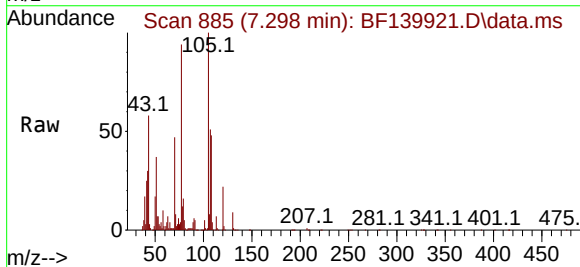
APPROVED

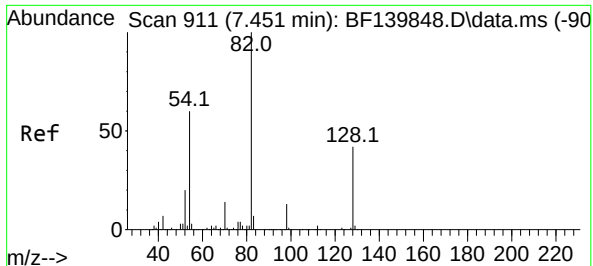
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#22
Acetophenone
Concen: 47.610 ng
RT: 7.298 min Scan# 885
Delta R.T. 0.000 min
Lab File: BF139921.D
Acq: 22 Oct 2024 11:34

Tgt Ion	Ratio	Lower	Upper
105	100		
71	7.9	5.9	8.9
51	37.0	29.4	44.2
120	21.5	17.5	26.3





#23

Nitrobenzene-d5

Concen: 98.855 ng

RT: 7.451 min Scan# 911

Delta R.T. 0.000 min

Lab File: BF139921.D

Acq: 22 Oct 2024 11:34

Instrument :

BNA_F

ClientSampleId :

PB164071BS

Tgt Ion: 82 Resp: 1048438

Ion Ratio Lower Upper

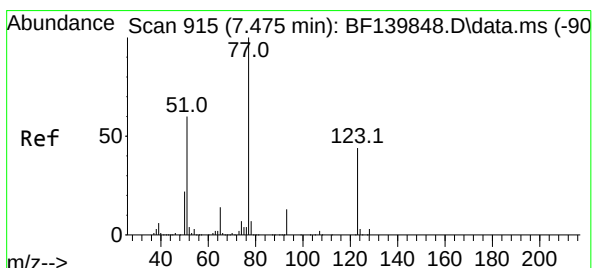
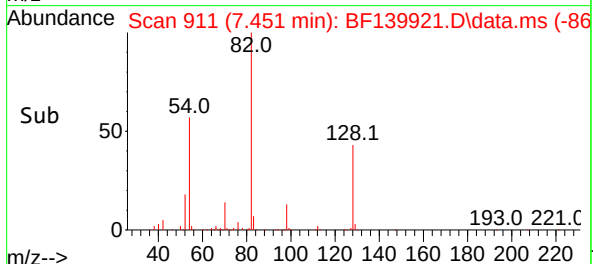
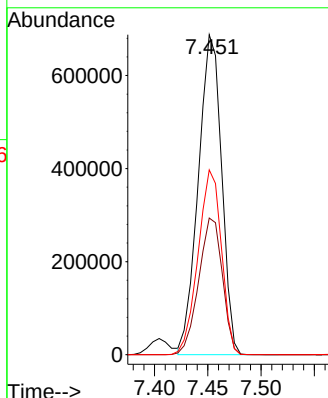
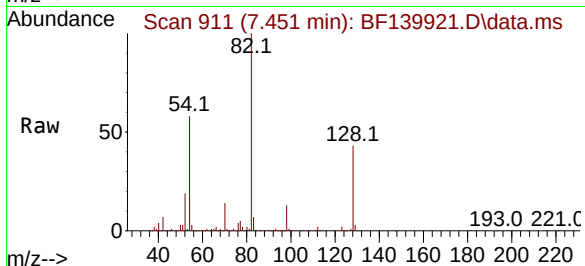
82 100

128 42.7 33.4 50.0

54 57.8 47.8 71.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

#24

Nitrobenzene

Concen: 47.124 ng

RT: 7.475 min Scan# 915

Delta R.T. 0.000 min

Lab File: BF139921.D

Acq: 22 Oct 2024 11:34

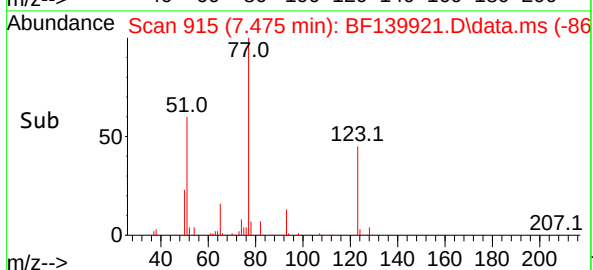
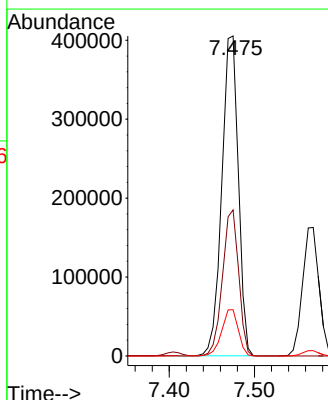
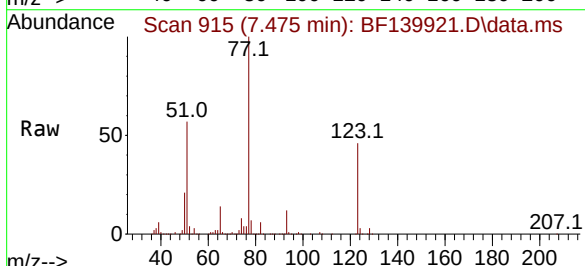
Tgt Ion: 77 Resp: 547965

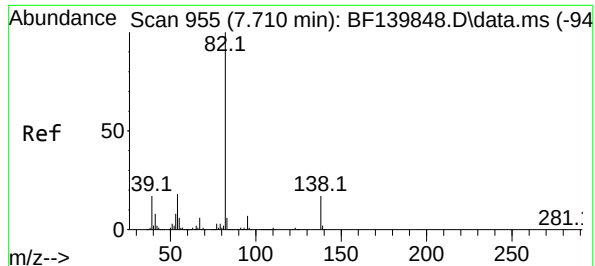
Ion Ratio Lower Upper

77 100

123 45.7 35.7 53.5

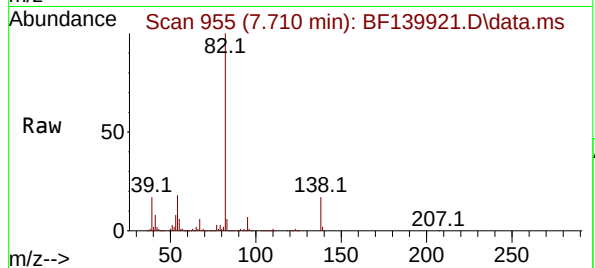
65 14.4 11.5 17.3





#25
Isophorone
Concen: 49.772 ng
RT: 7.710 min Scan# 955
Delta R.T. 0.000 min
Lab File: BF139921.D
Acq: 22 Oct 2024 11:34

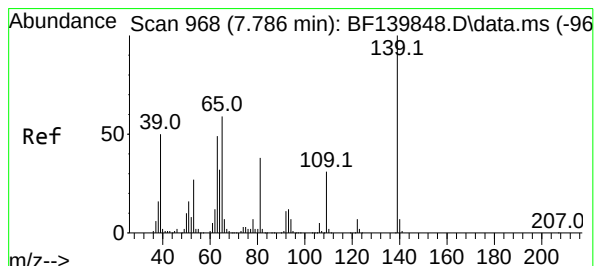
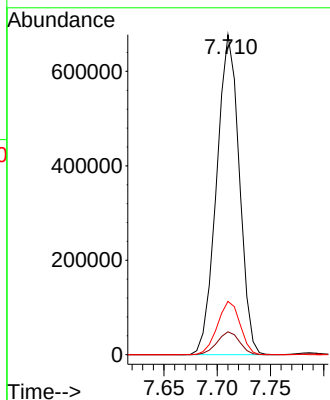
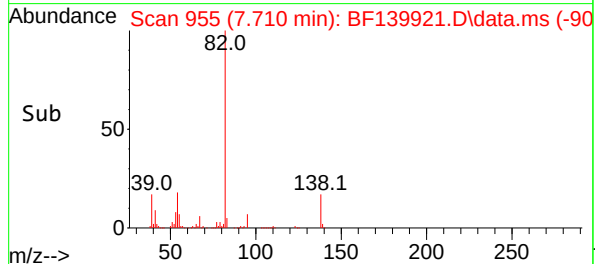
Instrument :
BNA_F
ClientSampleId :
PB164071BS



Tgt Ion: 82 Resp: 100189
Ion Ratio Lower Upper
82 100
95 7.2 5.5 8.3
138 16.6 13.2 19.8

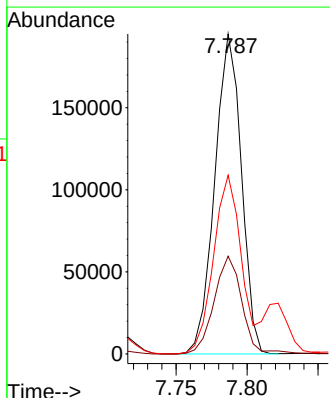
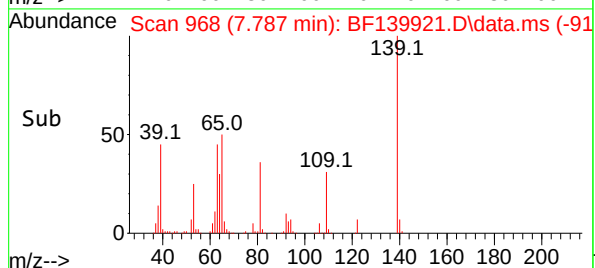
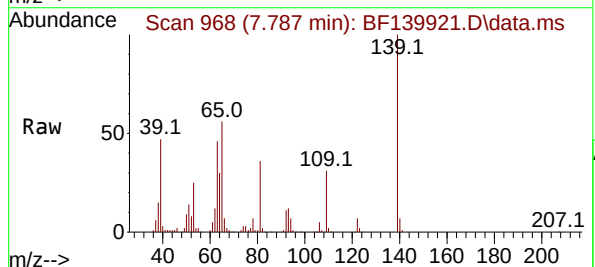
Manual Integrations
APPROVED

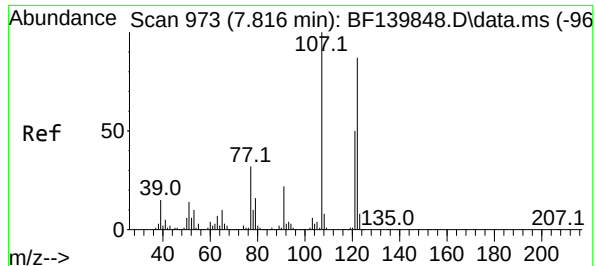
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#26
2-Nitrophenol
Concen: 57.863 ng
RT: 7.787 min Scan# 968
Delta R.T. 0.000 min
Lab File: BF139921.D
Acq: 22 Oct 2024 11:34

Tgt Ion:139 Resp: 253829
Ion Ratio Lower Upper
139 100
109 30.6 25.1 37.7
65 55.8 47.5 71.3





#27

2,4-Dimethylphenol

Concen: 57.489 ng

RT: 7.822 min Scan# 91

Delta R.T. 0.006 min

Lab File: BF139921.D

Acq: 22 Oct 2024 11:34

Instrument :

BNA_F

ClientSampleId :

PB164071BS

Tgt Ion:122 Resp: 420514

Ion Ratio Lower Upper

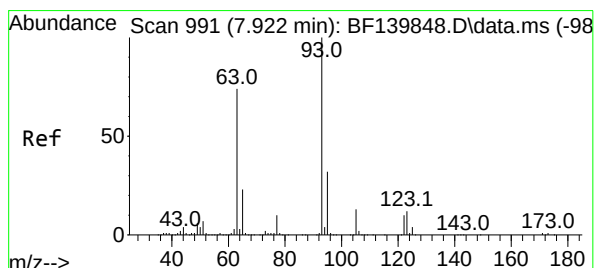
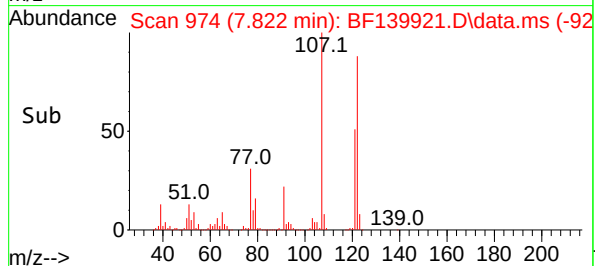
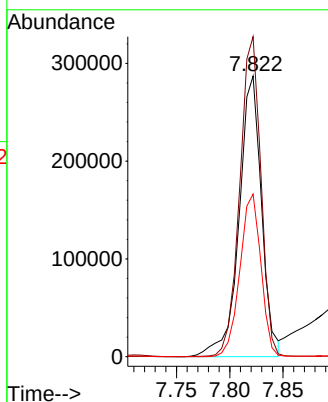
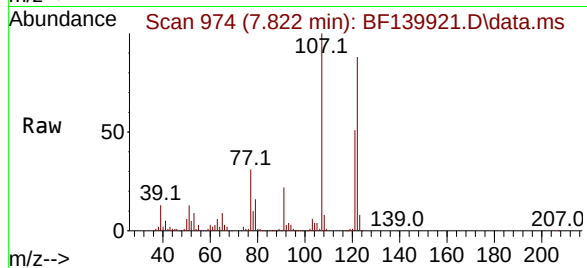
122 100

107 114.0 91.9 137.9

121 57.9 46.2 69.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

#28

bis(2-Chloroethoxy)methane

Concen: 48.390 ng

RT: 7.922 min Scan# 991

Delta R.T. 0.000 min

Lab File: BF139921.D

Acq: 22 Oct 2024 11:34

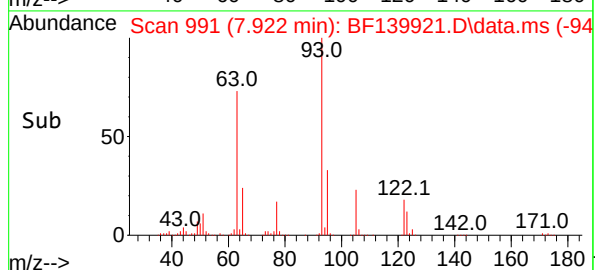
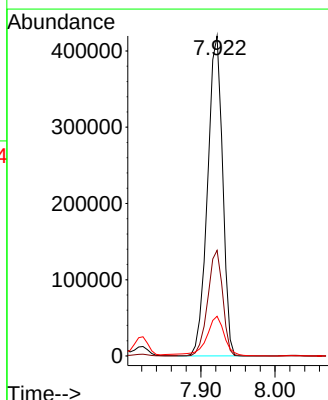
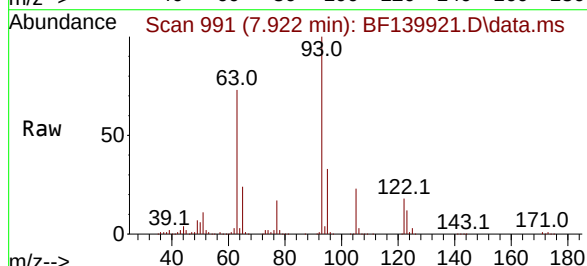
Tgt Ion: 93 Resp: 590169

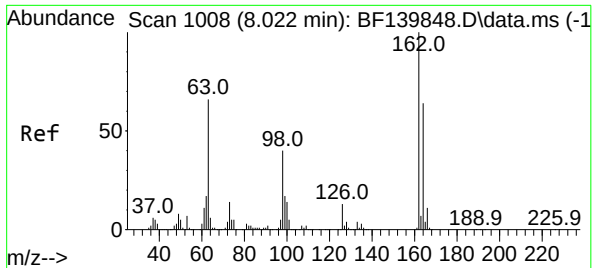
Ion Ratio Lower Upper

93 100

95 33.0 26.0 39.0

123 12.4 9.8 14.8





#29
2,4-Dichlorophenol
Concen: 50.204 ng
RT: 8.028 min Scan# 1008
Delta R.T. 0.006 min
Lab File: BF139921.D
Acq: 22 Oct 2024 11:34

Instrument :

BNA_F

ClientSampleId :

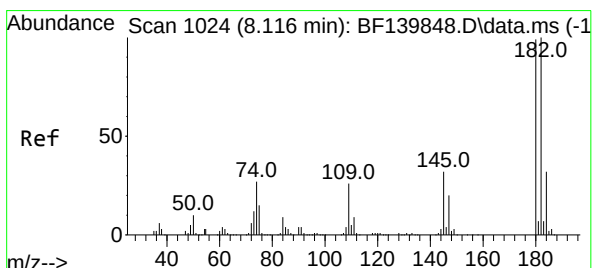
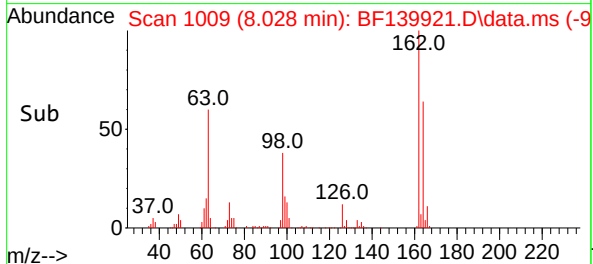
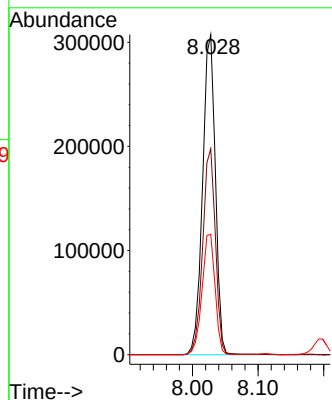
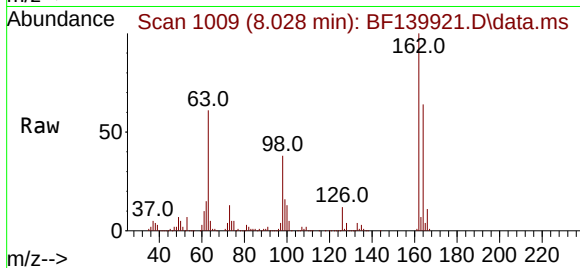
PB164071BS

Tgt Ion:162 Resp: 418284
Ion Ratio Lower Upper
162 100
164 64.3 43.9 83.9
98 37.7 19.9 59.9

Manual Integrations

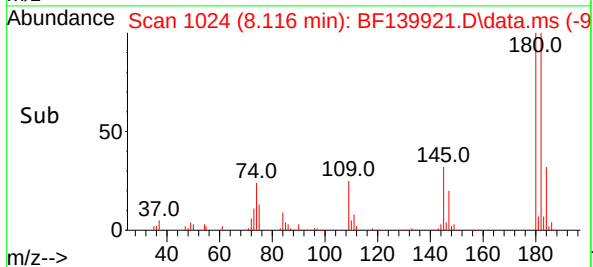
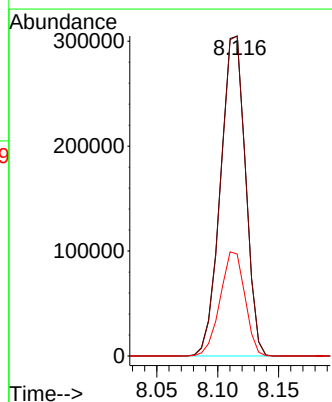
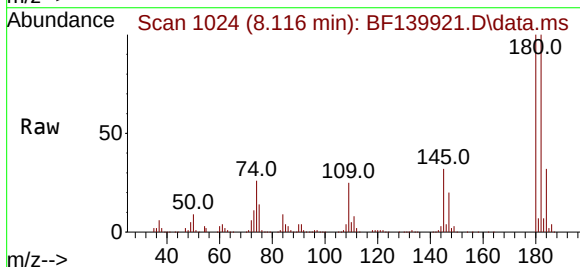
APPROVED

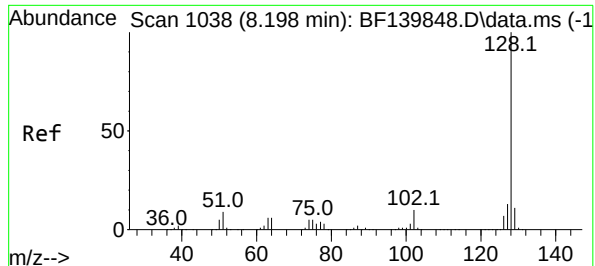
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#30
1,2,4-Trichlorobenzene
Concen: 47.310 ng
RT: 8.116 min Scan# 1024
Delta R.T. 0.000 min
Lab File: BF139921.D
Acq: 22 Oct 2024 11:34

Tgt Ion:180 Resp: 436154
Ion Ratio Lower Upper
180 100
182 100.1 80.5 120.7
145 31.9 25.4 38.0





#31

Naphthalene

Concen: 47.780 ng

RT: 8.198 min Scan# 1038

Delta R.T. 0.000 min

Lab File: BF139921.D

Acq: 22 Oct 2024 11:34

Instrument :

BNA_F

ClientSampleId :

PB164071BS

Tgt Ion:128 Resp: 144850

Ion Ratio Lower Upper

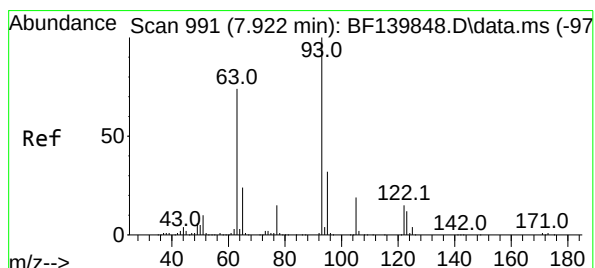
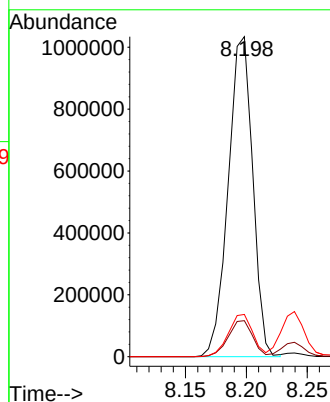
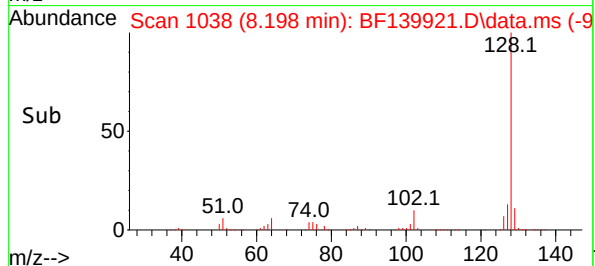
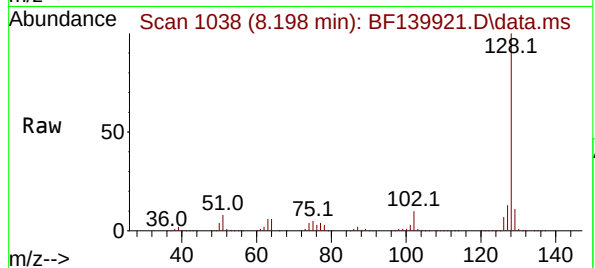
128 100

129 11.2 8.9 13.3

127 13.2 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

#32

Benzoic acid

Concen: 49.701 ng

RT: 7.934 min Scan# 993

Delta R.T. 0.012 min

Lab File: BF139921.D

Acq: 22 Oct 2024 11:34

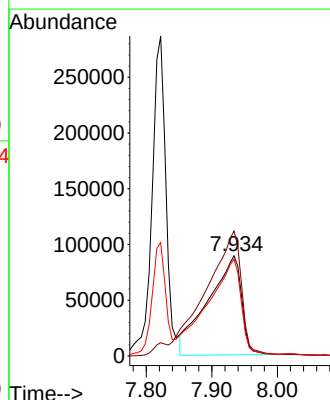
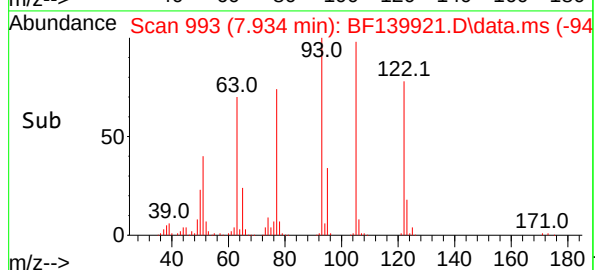
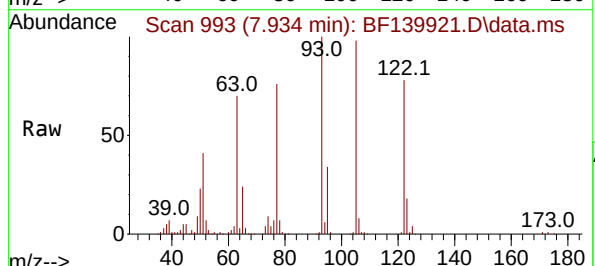
Tgt Ion:122 Resp: 317086

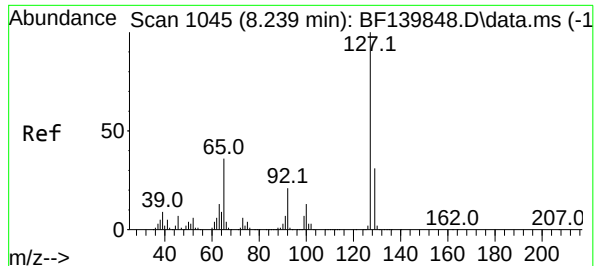
Ion Ratio Lower Upper

122 100

105 124.9 107.6 147.6

77 96.6 80.2 120.2





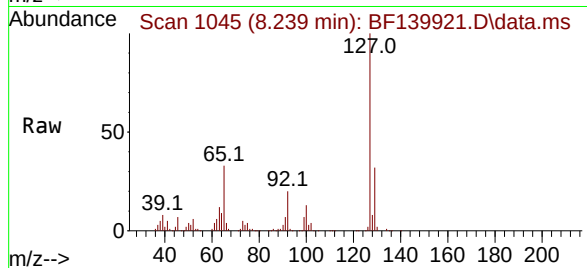
#33
4-Chloroaniline
Concen: 19.983 ng
RT: 8.239 min Scan# 1045
Delta R.T. 0.000 min
Lab File: BF139921.D
Acq: 22 Oct 2024 11:34

Instrument :

BNA_F

ClientSampleId :

PB164071BS

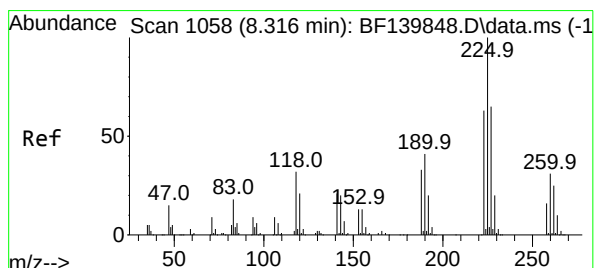
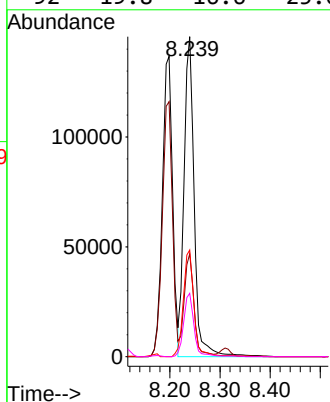
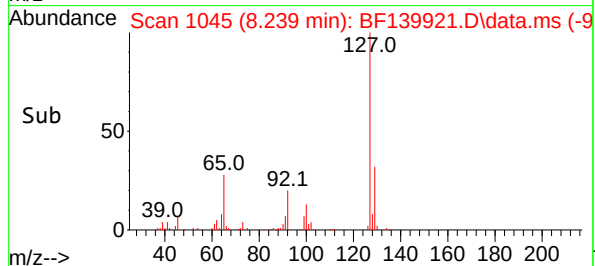


Tgt Ion:127 Resp: 206568
Ion Ratio Lower Upper
127 100
129 32.1 25.4 38.2
65 33.4 28.4 42.6
92 19.8 16.6 25.0

Manual Integrations

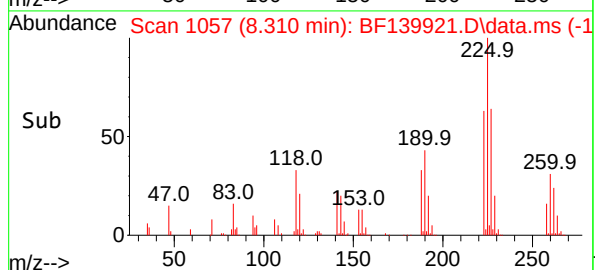
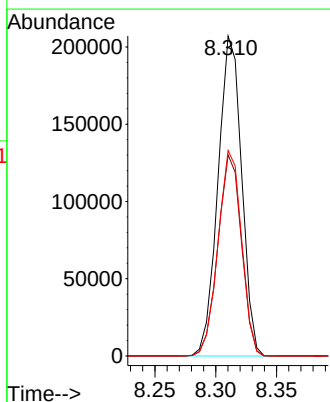
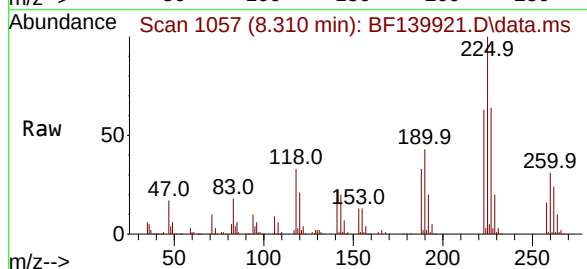
APPROVED

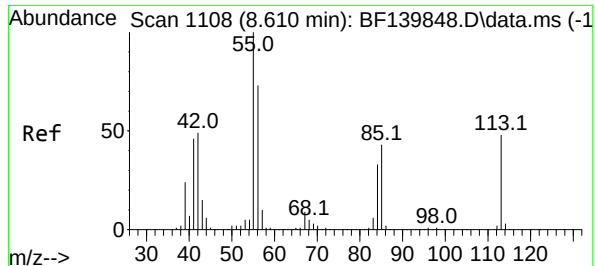
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#34
Hexachlorobutadiene
Concen: 48.282 ng
RT: 8.310 min Scan# 1057
Delta R.T. -0.006 min
Lab File: BF139921.D
Acq: 22 Oct 2024 11:34

Tgt Ion:225 Resp: 279670
Ion Ratio Lower Upper
225 100
223 62.8 50.6 76.0
227 64.2 51.8 77.8





#35

Caprolactam

Concen: 51.060 ng m

RT: 8.610 min Scan# 1108

Delta R.T. 0.000 min

Lab File: BF139921.D

Acq: 22 Oct 2024 11:34

Instrument :

BNA_F

ClientSampleId :

PB164071BS

Tgt Ion:113 Resp: 135260

Ion Ratio Lower Upper

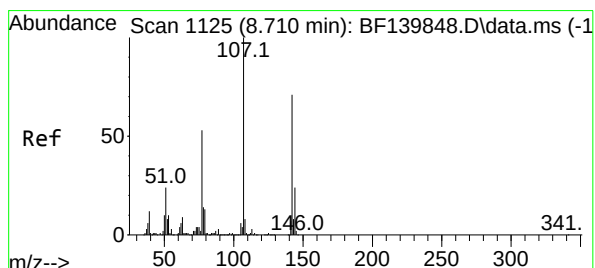
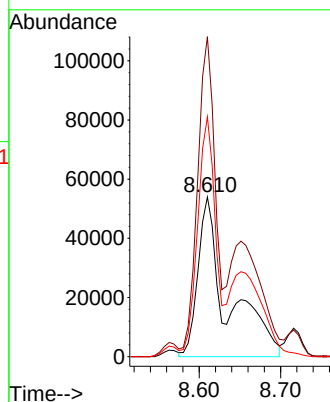
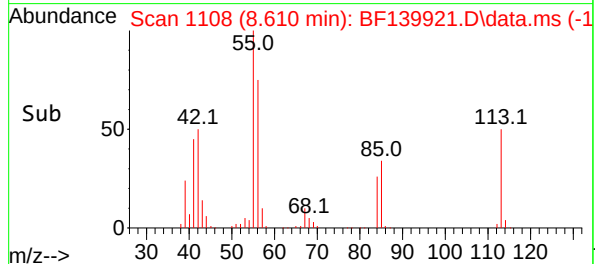
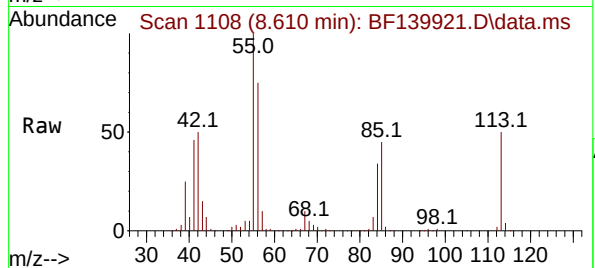
113 100

55 200.4 189.2 229.2

56 150.2 132.5 172.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

#36

4-Chloro-3-methylphenol

Concen: 49.435 ng

RT: 8.716 min Scan# 1126

Delta R.T. 0.006 min

Lab File: BF139921.D

Acq: 22 Oct 2024 11:34

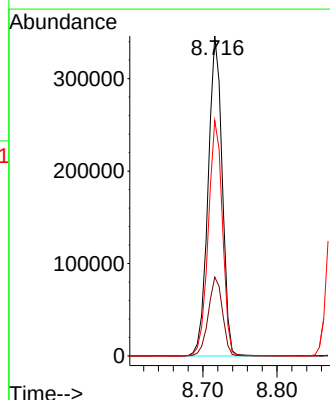
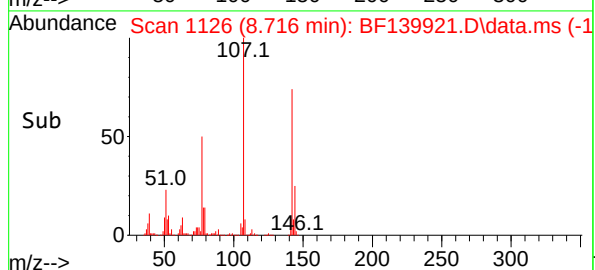
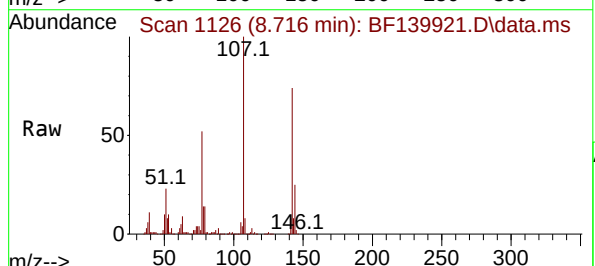
Tgt Ion:107 Resp: 456067

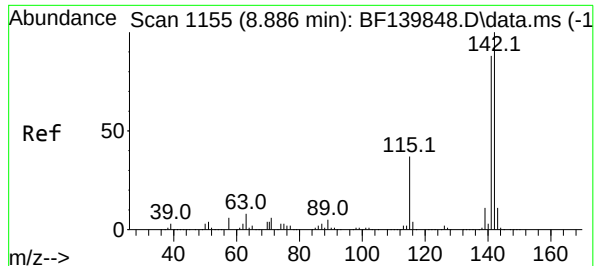
Ion Ratio Lower Upper

107 100

144 24.6 19.1 28.7

142 73.6 57.2 85.8





#37

2-Methylnaphthalene

Concen: 49.322 ng

RT: 8.887 min Scan# 1155

Delta R.T. 0.000 min

Lab File: BF139921.D

Acq: 22 Oct 2024 11:34

Instrument :

BNA_F

ClientSampleId :

PB164071BS

Tgt Ion:142 Resp: 91574

Ion Ratio Lower Upper

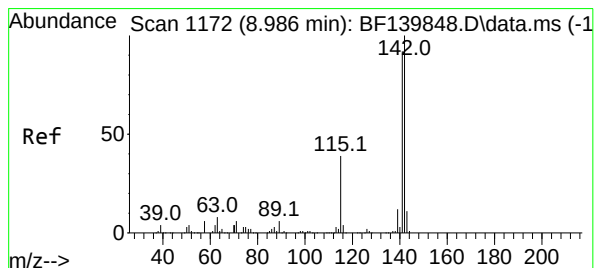
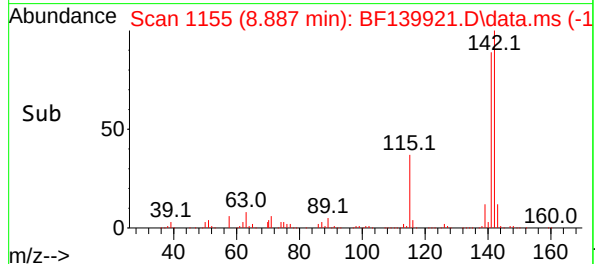
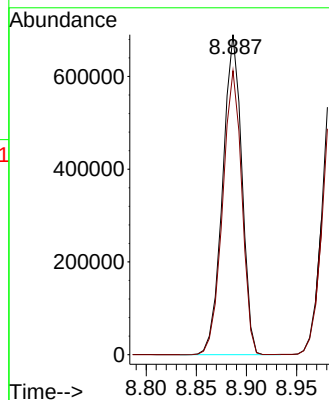
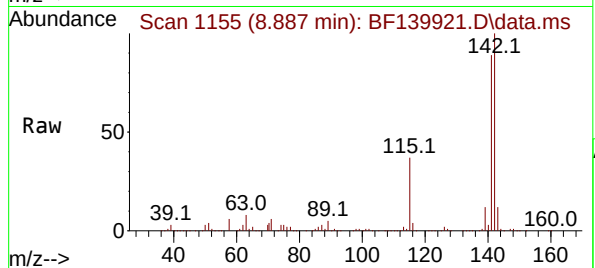
142 100

141 88.8 70.8 106.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024
 Supervised By :mohammad ahmed 10/24/2024



#38

1-Methylnaphthalene

Concen: 46.953 ng

RT: 8.986 min Scan# 1172

Delta R.T. 0.000 min

Lab File: BF139921.D

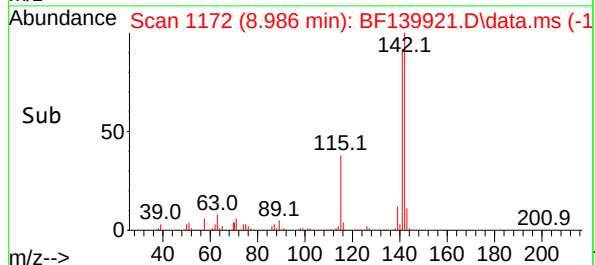
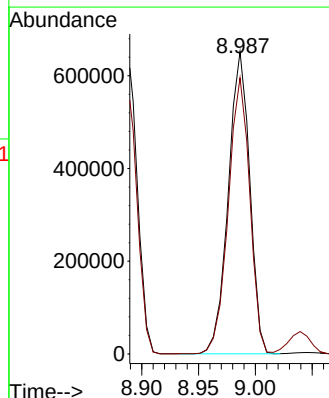
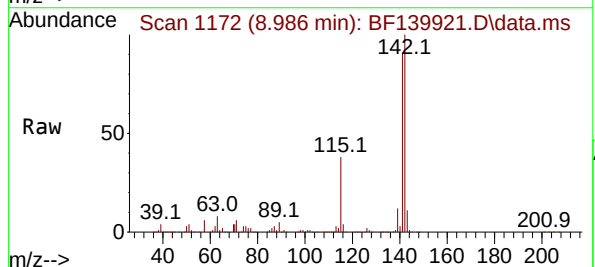
Acq: 22 Oct 2024 11:34

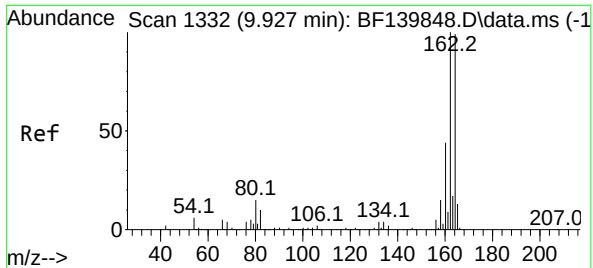
Tgt Ion:142 Resp: 855292

Ion Ratio Lower Upper

142 100

141 91.3 73.5 110.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.934 min Scan# 1183

Delta R.T. 0.007 min

Lab File: BF139921.D

Acq: 22 Oct 2024 11:34

Instrument :

BNA_F

ClientSampleId :

PB164071BS

Tgt Ion:164 Resp: 331508

Ion Ratio Lower Upper

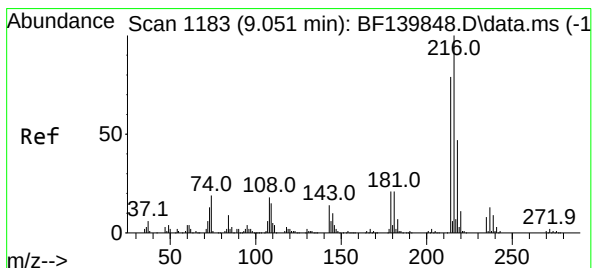
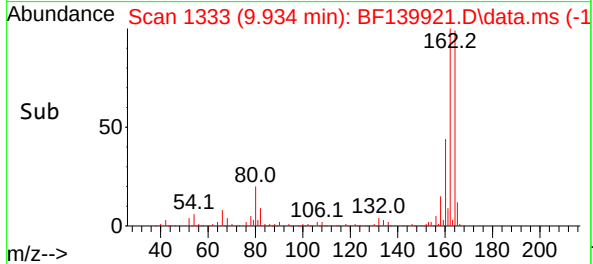
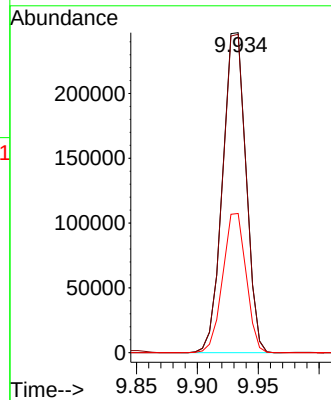
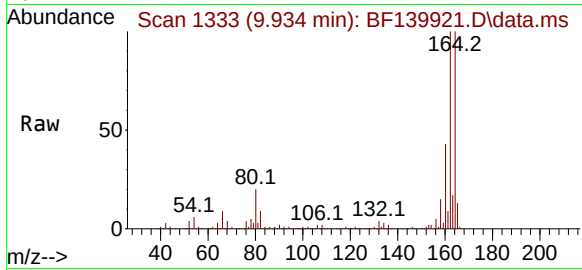
164 100

162 99.5 81.0 121.4

160 43.5 35.4 53.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

#40

1,2,4,5-Tetrachlorobenzene

Concen: 47.401 ng

RT: 9.051 min Scan# 1183

Delta R.T. 0.000 min

Lab File: BF139921.D

Acq: 22 Oct 2024 11:34

Tgt Ion:216 Resp: 423930

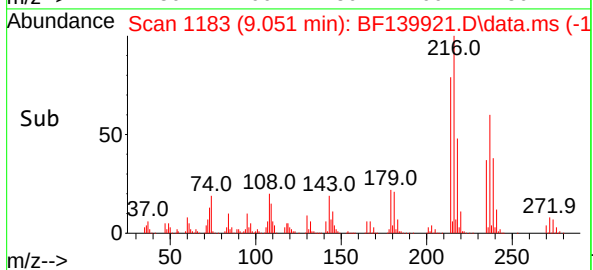
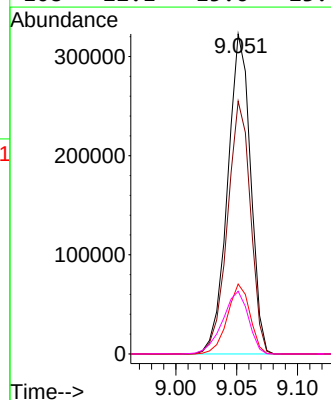
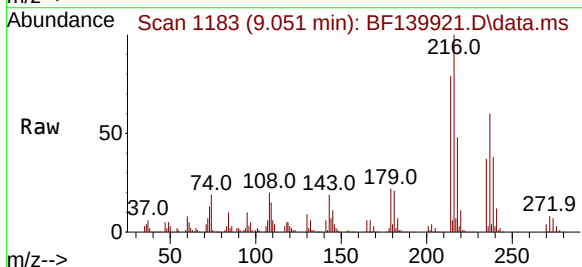
Ion Ratio Lower Upper

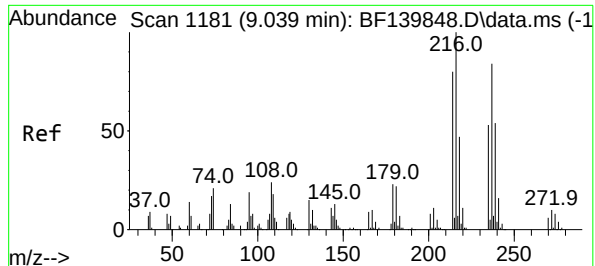
216 100

214 78.9 63.4 95.0

179 21.5 17.2 25.8

108 22.1 15.6 23.4





#41

Hexachlorocyclopentadiene

Concen: 186.982 ng

RT: 9.039 min Scan# 1181

Delta R.T. 0.000 min

Lab File: BF139921.D

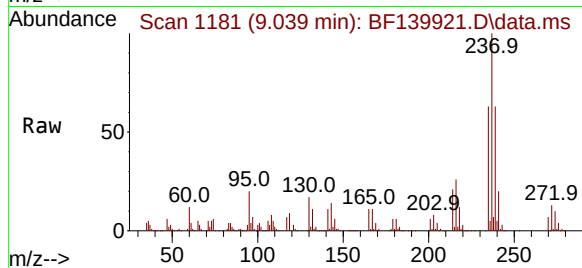
Acq: 22 Oct 2024 11:34

Instrument :

BNA_F

ClientSampleId :

PB164071BS



Tgt Ion:237 Resp: 581870

Ion Ratio Lower Upper

237 100

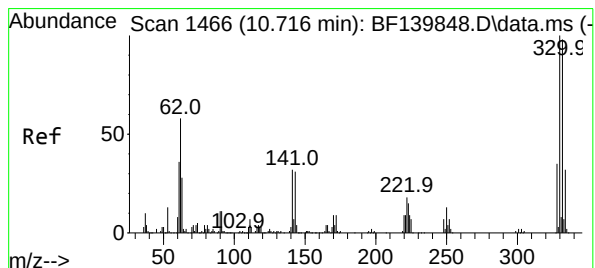
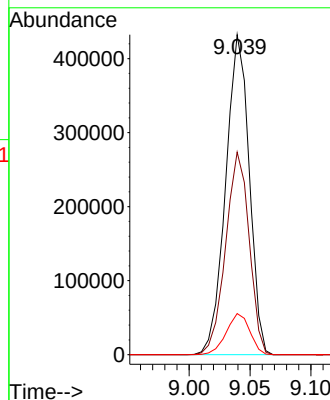
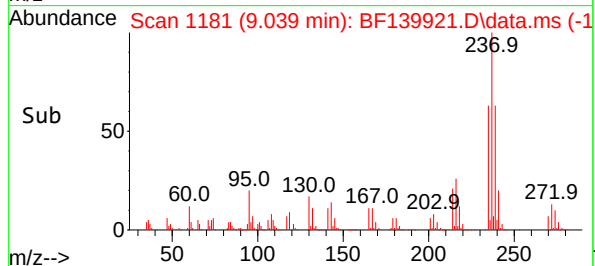
235 63.3 42.9 82.9

272 12.8 0.0 32.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024
 Supervised By :mohammad ahmed 10/24/2024



#42

2,4,6-Tribromophenol

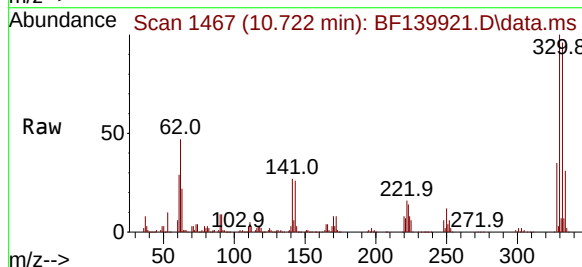
Concen: 153.975 ng

RT: 10.722 min Scan# 1467

Delta R.T. 0.006 min

Lab File: BF139921.D

Acq: 22 Oct 2024 11:34



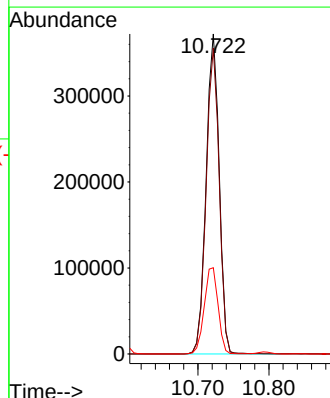
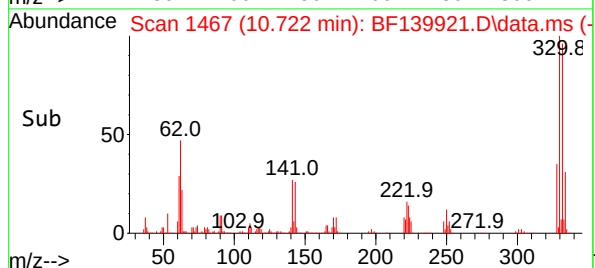
Tgt Ion:330 Resp: 477449

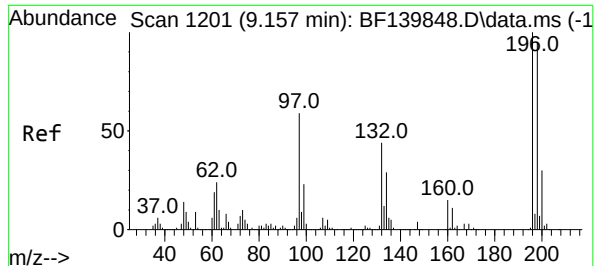
Ion Ratio Lower Upper

330 100

332 95.4 78.1 117.1

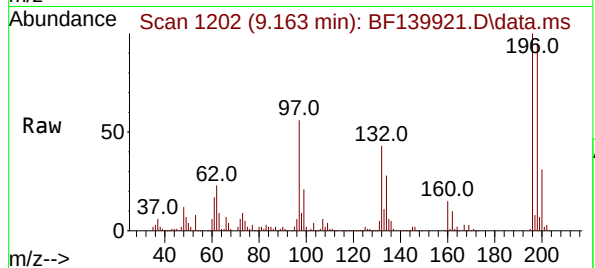
141 28.6 26.6 39.8





#43
2,4,6-Trichlorophenol
Concen: 50.915 ng
RT: 9.163 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF139921.D
Acq: 22 Oct 2024 11:34

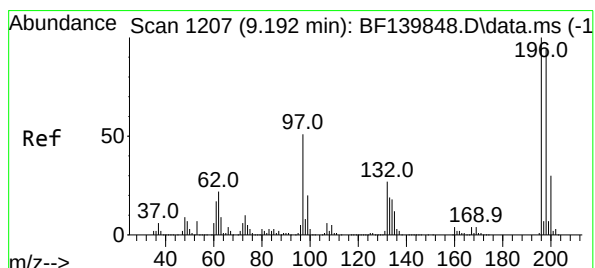
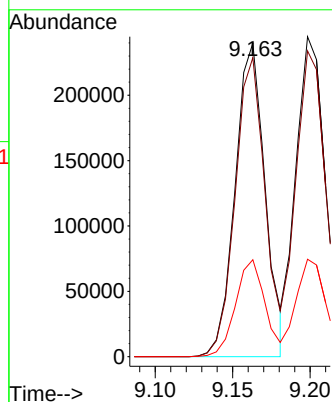
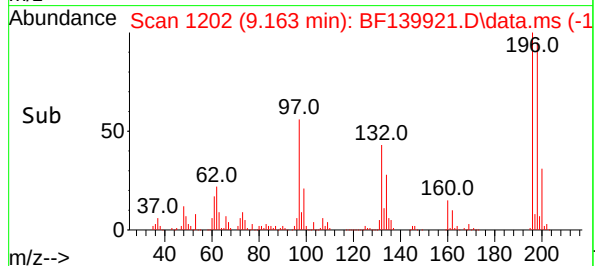
Instrument :
BNA_F
ClientSampleId :
PB164071BS



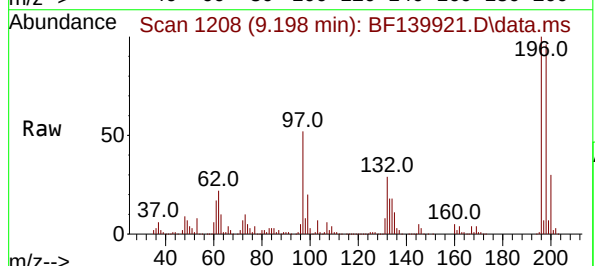
Tgt Ion:196 Resp: 322394
Ion Ratio Lower Upper
196 100
198 95.3 76.2 114.2
200 30.9 24.0 36.0

Manual Integrations
APPROVED

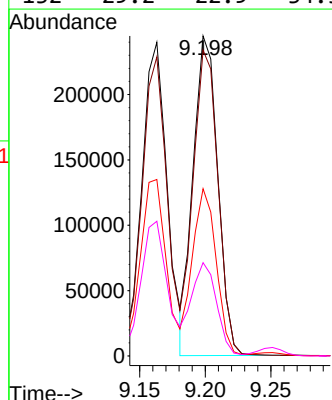
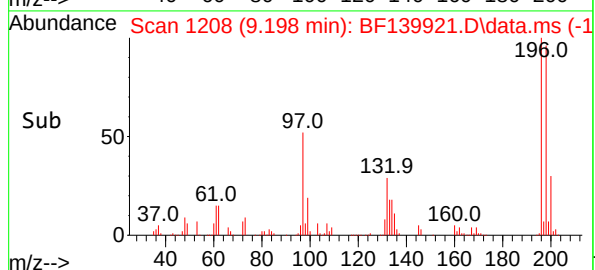
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

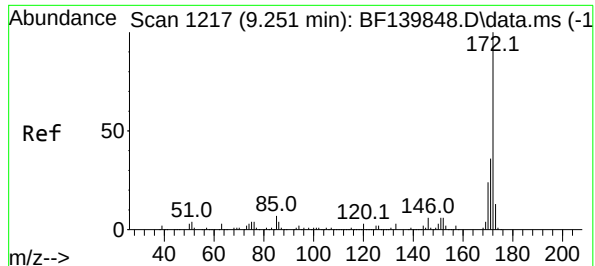


#44
2,4,5-Trichlorophenol
Concen: 48.945 ng
RT: 9.198 min Scan# 1208
Delta R.T. 0.006 min
Lab File: BF139921.D
Acq: 22 Oct 2024 11:34



Tgt Ion:196 Resp: 319753
Ion Ratio Lower Upper
196 100
198 95.5 75.8 113.6
97 52.3 41.8 62.6
132 29.2 22.9 34.3





#45

2-Fluorobiphenyl

Concen: 93.274 ng

RT: 9.251 min Scan# 1217

Delta R.T. 0.000 min

Lab File: BF139921.D

Acq: 22 Oct 2024 11:34

Instrument :

BNA_F

ClientSampleId :

PB164071BS

Tgt Ion:172 Resp: 1870948

Ion Ratio Lower Upper

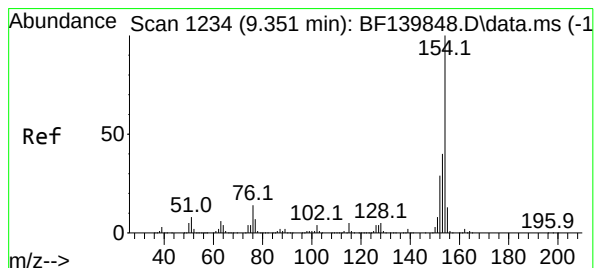
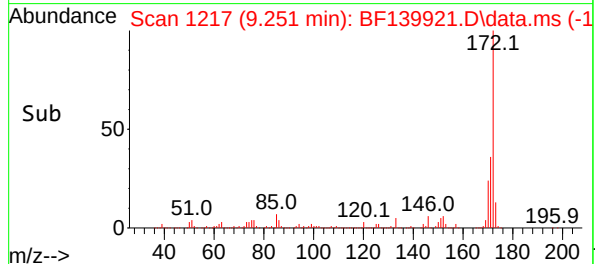
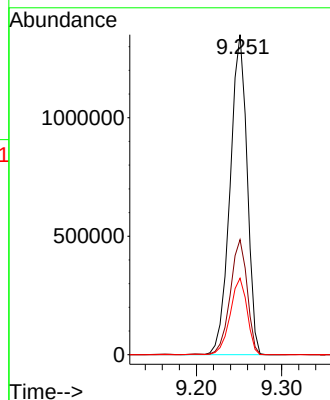
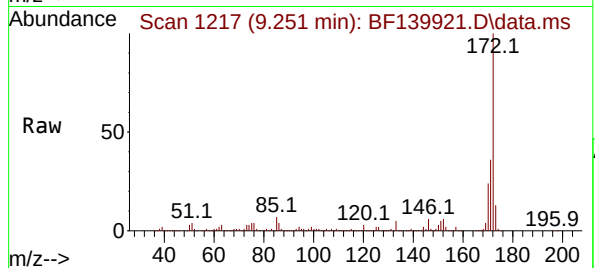
172 100

171 36.0 28.6 43.0

170 23.9 19.1 28.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

#46

1,1'-Biphenyl

Concen: 47.966 ng

RT: 9.351 min Scan# 1234

Delta R.T. 0.000 min

Lab File: BF139921.D

Acq: 22 Oct 2024 11:34

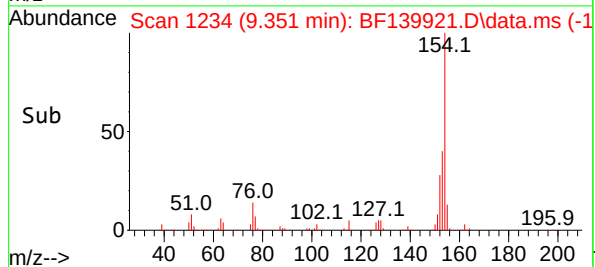
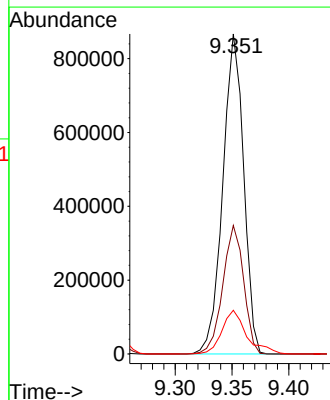
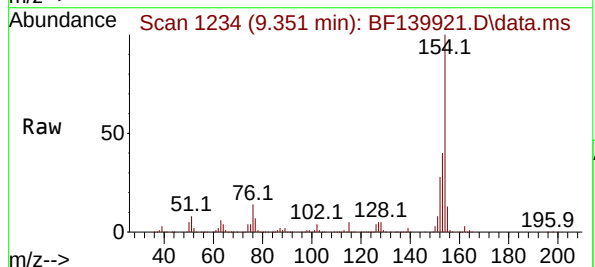
Tgt Ion:154 Resp: 1106952

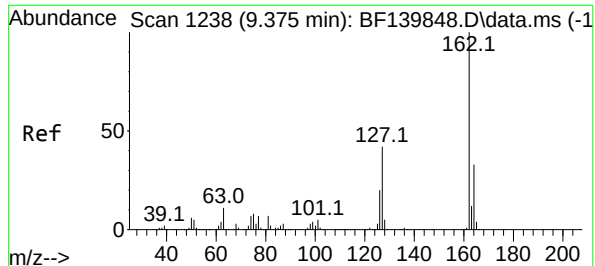
Ion Ratio Lower Upper

154 100

153 40.1 20.3 60.3

76 13.6 0.0 33.9





#47

2-Chloronaphthalene

Concen: 47.119 ng

RT: 9.375 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF139921.D

Acq: 22 Oct 2024 11:34

Instrument :

BNA_F

ClientSampleId :

PB164071BS

Tgt Ion:162 Resp: 87580

Ion Ratio Lower Upper

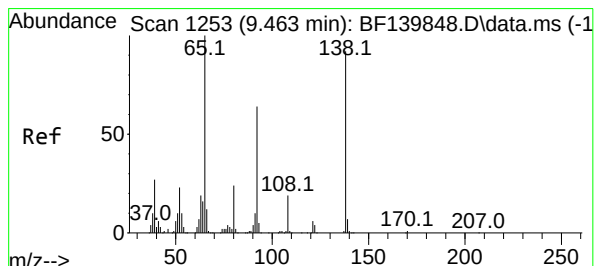
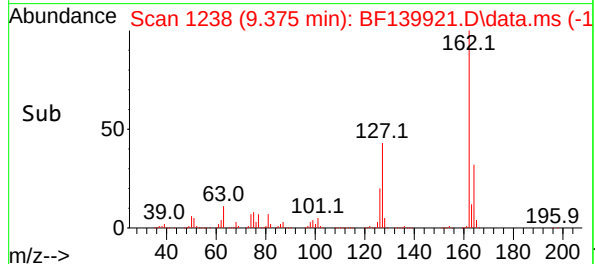
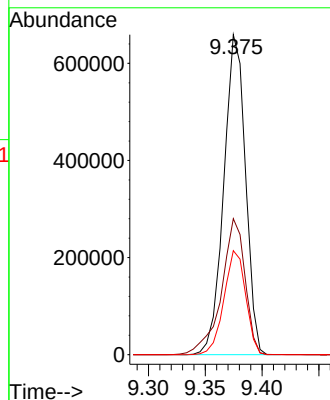
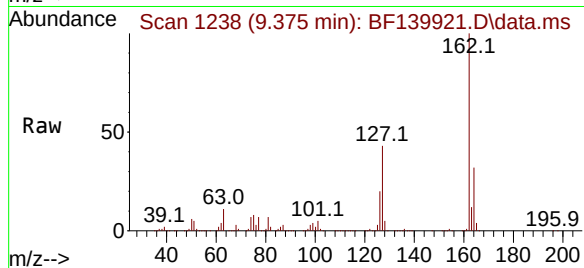
162 100

127 42.5 33.8 50.6

164 32.5 26.6 39.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

#48

2-Nitroaniline

Concen: 53.162 ng

RT: 9.469 min Scan# 1254

Delta R.T. 0.006 min

Lab File: BF139921.D

Acq: 22 Oct 2024 11:34

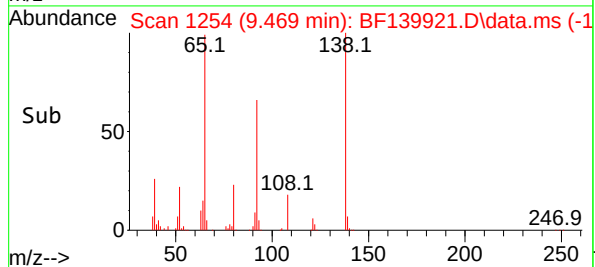
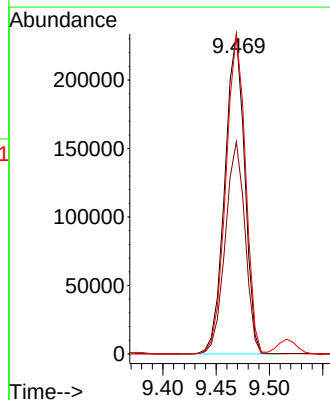
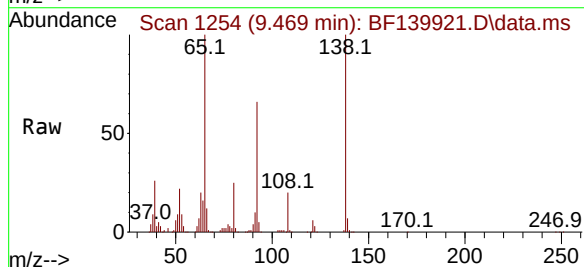
Tgt Ion: 65 Resp: 302215

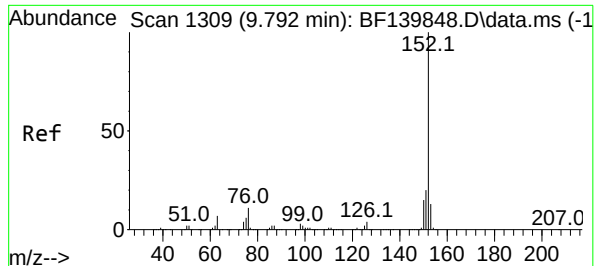
Ion Ratio Lower Upper

65 100

92 66.4 50.9 76.3

138 100.1 73.4 110.0





#49

Acenaphthylene

Concen: 51.279 ng

RT: 9.792 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF139921.D

Acq: 22 Oct 2024 11:34

Instrument :

BNA_F

ClientSampleId :

PB164071BS

Tgt Ion:152 Resp: 1377930

Ion Ratio Lower Upper

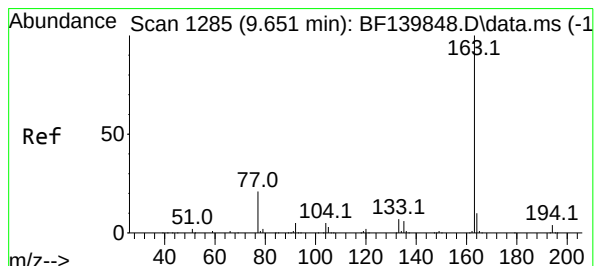
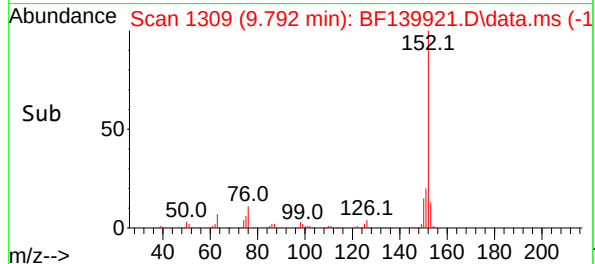
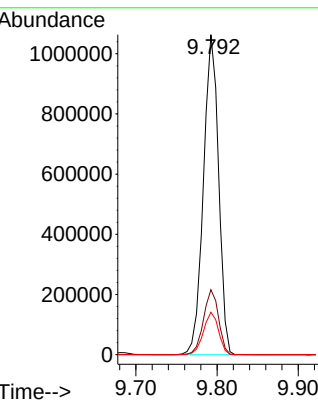
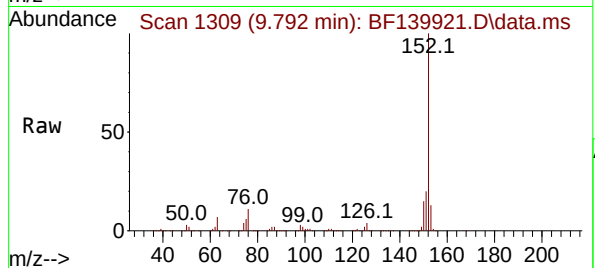
152 100

151 20.3 15.9 23.9

153 13.2 10.7 16.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

#50

Dimethylphthalate

Concen: 50.076 ng

RT: 9.651 min Scan# 1285

Delta R.T. 0.000 min

Lab File: BF139921.D

Acq: 22 Oct 2024 11:34

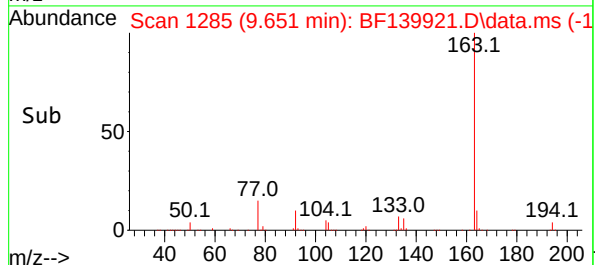
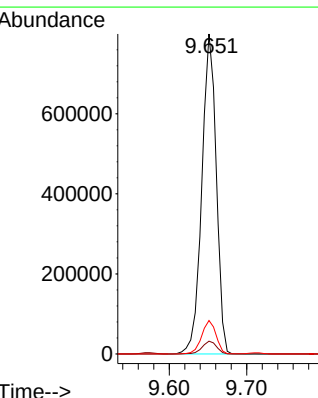
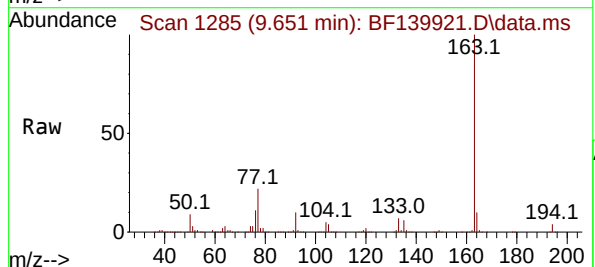
Tgt Ion:163 Resp: 1034021

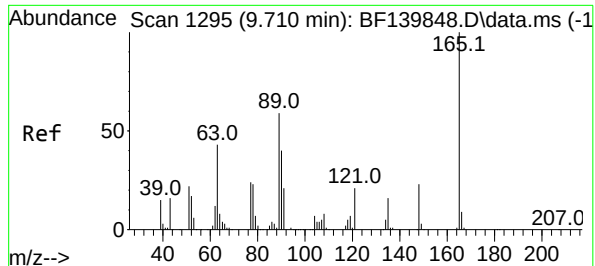
Ion Ratio Lower Upper

163 100

194 4.0 3.4 5.0

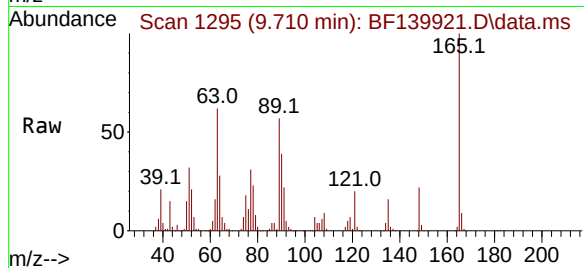
164 10.5 8.2 12.2





#51
2,6-Dinitrotoluene
Concen: 51.551 ng
RT: 9.710 min Scan# 1295
Delta R.T. 0.000 min
Lab File: BF139921.D
Acq: 22 Oct 2024 11:34

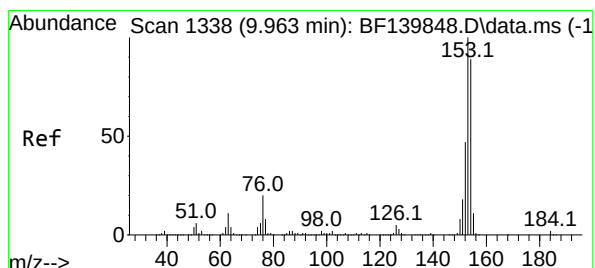
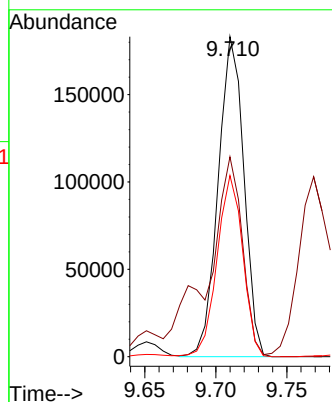
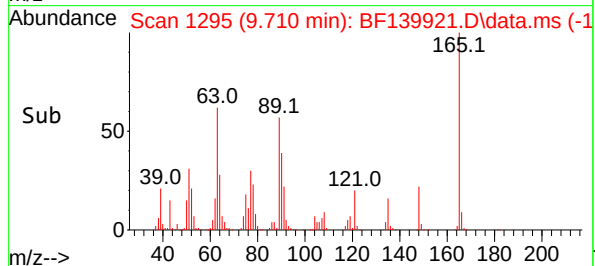
Instrument :
BNA_F
ClientSampleId :
PB164071BS



Tgt Ion:165 Resp: 230480
Ion Ratio Lower Upper
165 100
63 62.4 50.6 75.8
89 56.6 47.5 71.3

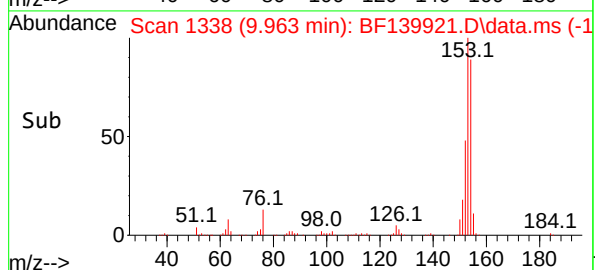
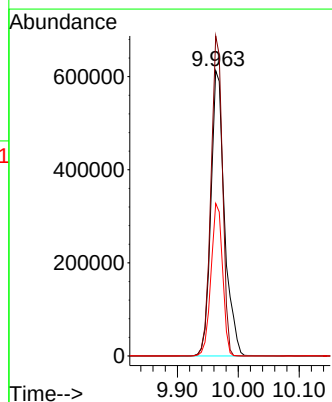
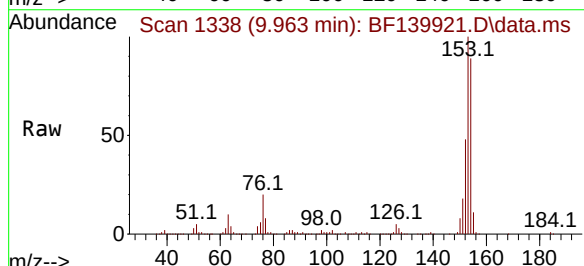
Manual Integrations
APPROVED

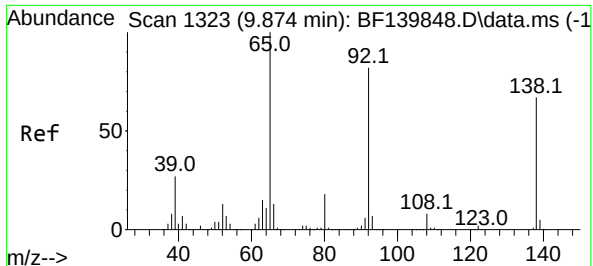
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#52
Acenaphthene
Concen: 54.836 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.000 min
Lab File: BF139921.D
Acq: 22 Oct 2024 11:34

Tgt Ion:154 Resp: 953212
Ion Ratio Lower Upper
154 100
153 112.2 89.8 134.6
152 53.5 42.4 63.6





#53

3-Nitroaniline

Concen: 31.740 ng

RT: 9.875 min Scan# 1323

Delta R.T. 0.000 min

Lab File: BF139921.D

Acq: 22 Oct 2024 11:34

Instrument :

BNA_F

ClientSampleId :

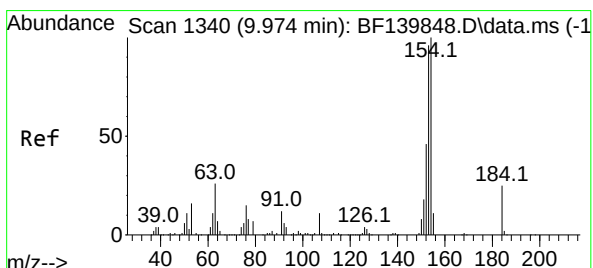
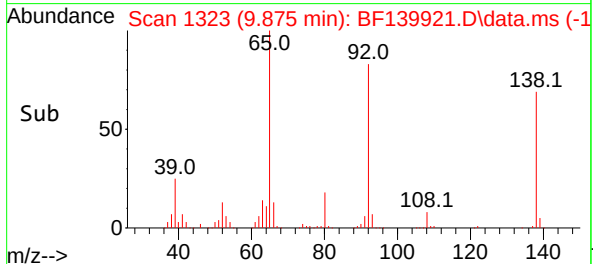
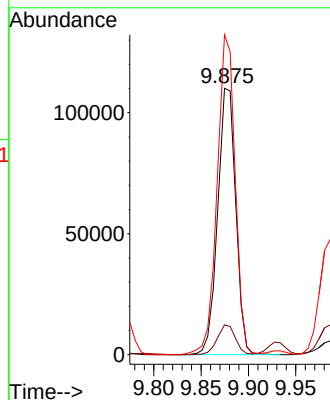
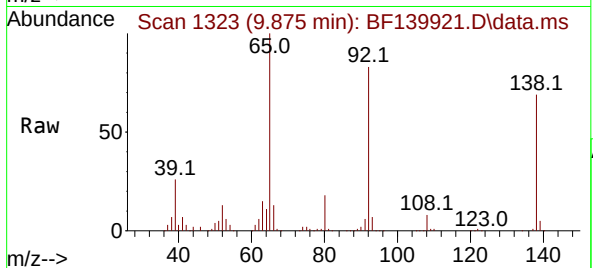
PB164071BS

Tgt Ion:	138	Resp:	146340
Ion	Ratio	Lower	Upper
138	100		
108	11.2	10.2	15.2
92	120.1	98.3	147.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#54

2,4-Dinitrophenol

Concen: 126.649 ng

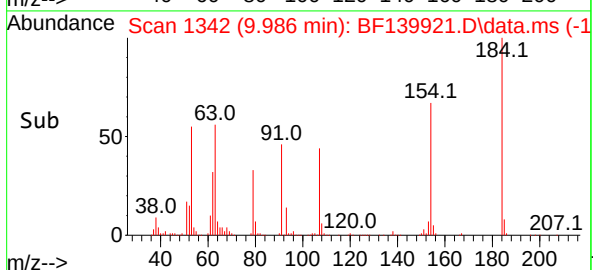
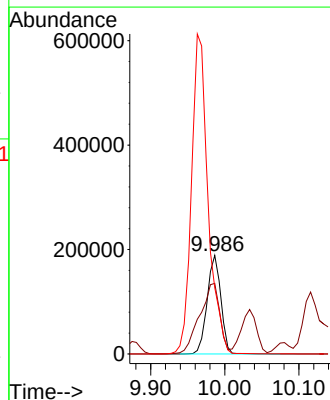
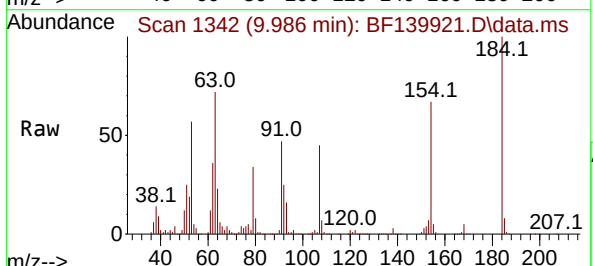
RT: 9.986 min Scan# 1342

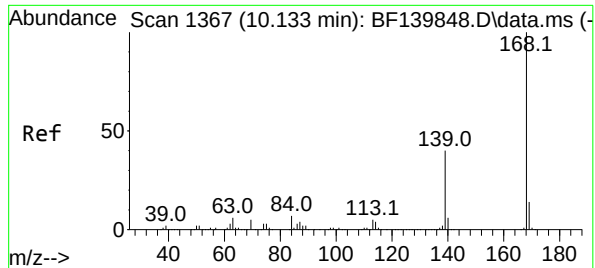
Delta R.T. 0.012 min

Lab File: BF139921.D

Acq: 22 Oct 2024 11:34

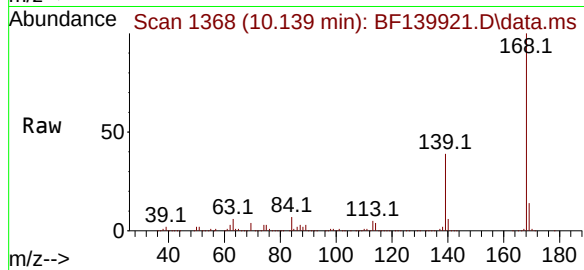
Tgt Ion:	184	Resp:	242958
Ion	Ratio	Lower	Upper
184	100		
63	71.7	84.7	127.1#
154	67.2	338.2	507.2#





#55
Dibenzofuran
Concen: 48.489 ng
RT: 10.139 min Scan# 1367
Delta R.T. 0.006 min
Lab File: BF139921.D
Acq: 22 Oct 2024 11:34

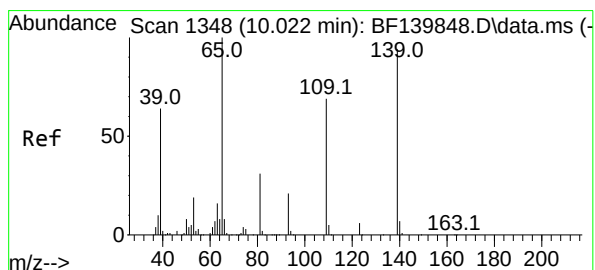
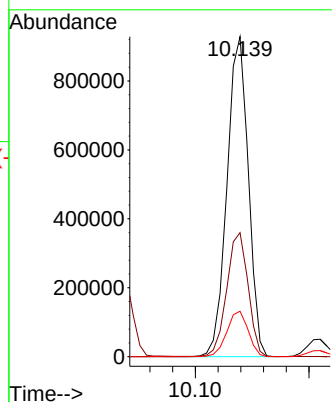
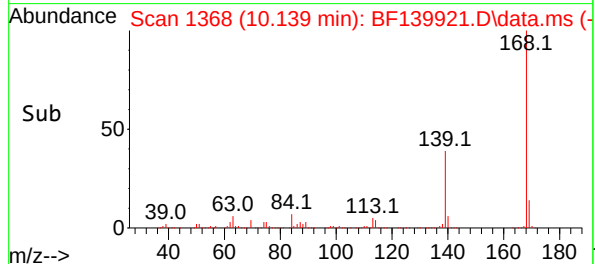
Instrument :
BNA_F
ClientSampleId :
PB164071BS



Tgt Ion:168 Resp: 120935
Ion Ratio Lower Upper
168 100
139 38.8 31.8 47.6
169 14.2 11.6 17.4

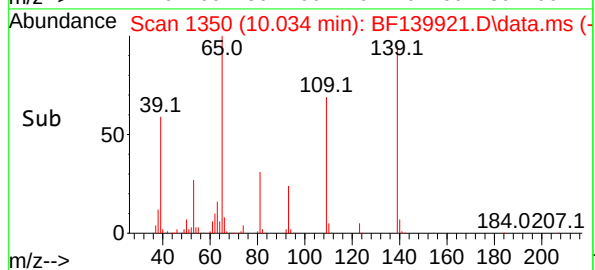
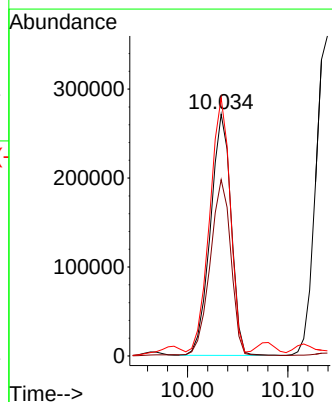
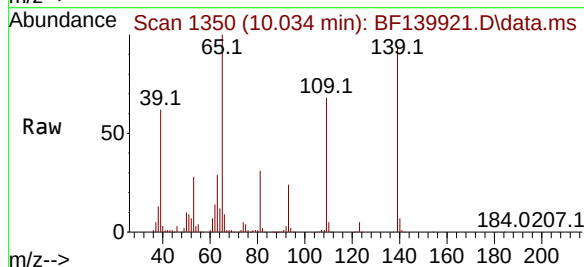
Manual Integrations
APPROVED

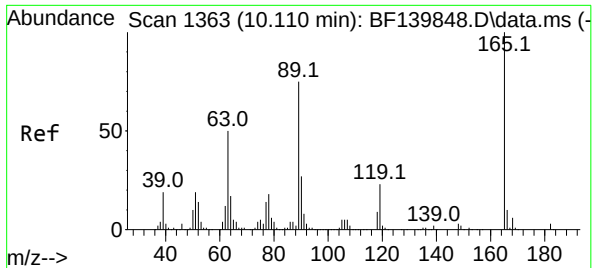
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#56
4-Nitrophenol
Concen: 109.189 ng
RT: 10.034 min Scan# 1350
Delta R.T. 0.012 min
Lab File: BF139921.D
Acq: 22 Oct 2024 11:34

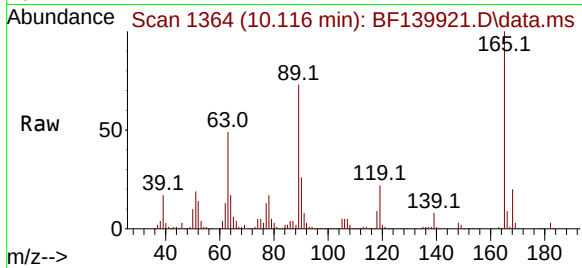
Tgt Ion:139 Resp: 387313
Ion Ratio Lower Upper
139 100
109 73.0 53.6 93.6
65 106.8 87.8 127.8





#57
2,4-Dinitrotoluene
Concen: 56.506 ng
RT: 10.116 min Scan# 1363
Delta R.T. 0.006 min
Lab File: BF139921.D
Acq: 22 Oct 2024 11:34

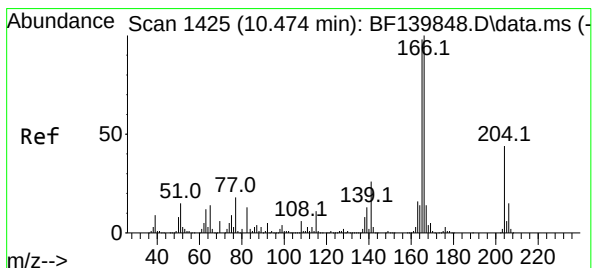
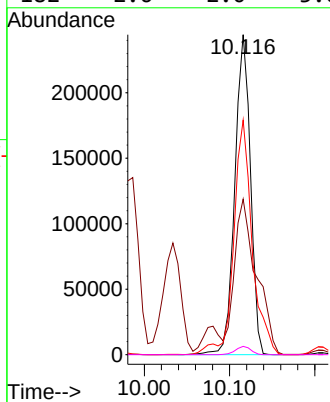
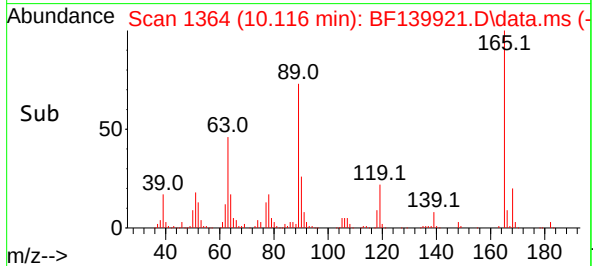
Instrument :
BNA_F
ClientSampleId :
PB164071BS



Tgt Ion:165 Resp: 31067
Ion Ratio Lower Upper
165 100
63 48.6 40.1 60.1
89 73.3 60.4 90.6
182 2.6 2.0 3.0

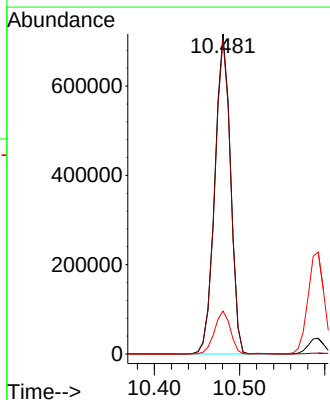
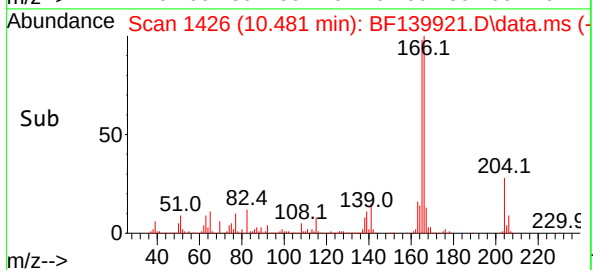
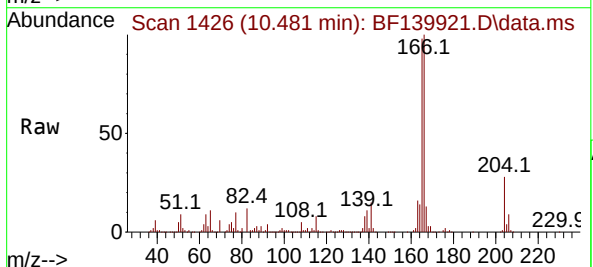
Manual Integrations
APPROVED

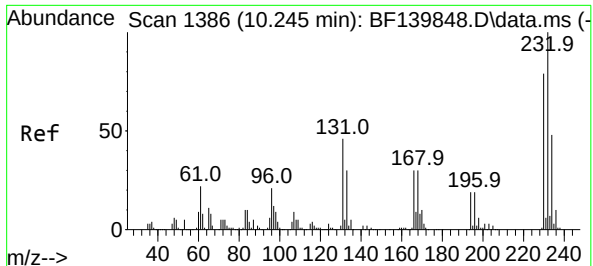
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#58
Fluorene
Concen: 48.305 ng
RT: 10.481 min Scan# 1426
Delta R.T. 0.006 min
Lab File: BF139921.D
Acq: 22 Oct 2024 11:34

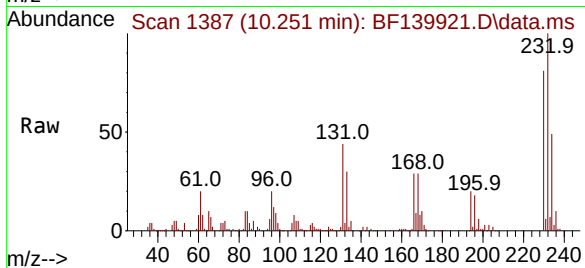
Tgt Ion:166 Resp: 917608
Ion Ratio Lower Upper
166 100
165 98.3 78.5 117.7
167 13.4 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 52.745 ng
RT: 10.251 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF139921.D
Acq: 22 Oct 2024 11:34

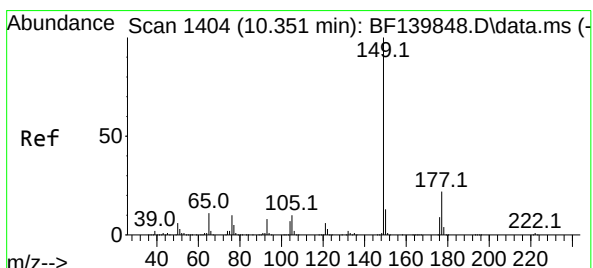
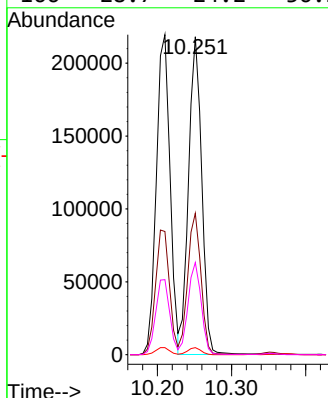
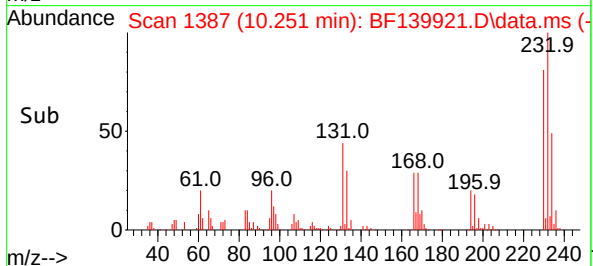
Instrument :
BNA_F
ClientSampleId :
PB164071BS



Tgt Ion:232 Resp: 270120
Ion Ratio Lower Upper
232 100
131 44.7 37.0 55.6
130 2.2 1.9 2.9
166 28.7 24.2 36.2

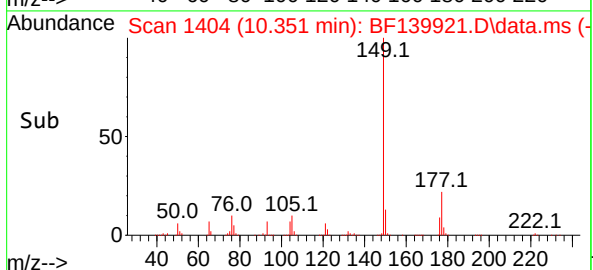
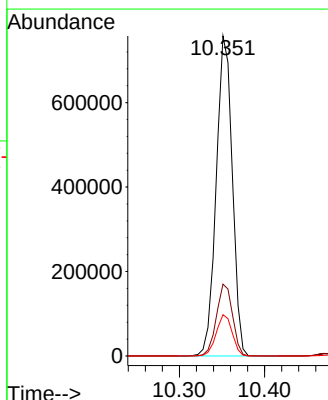
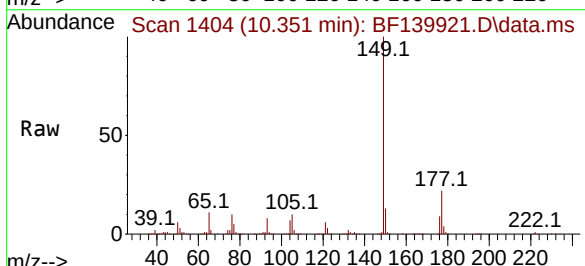
Manual Integrations
APPROVED

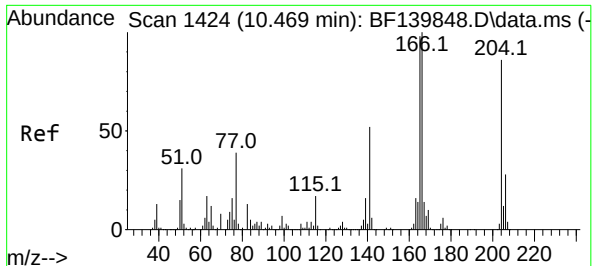
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#60
Diethylphthalate
Concen: 49.154 ng
RT: 10.351 min Scan# 1404
Delta R.T. 0.000 min
Lab File: BF139921.D
Acq: 22 Oct 2024 11:34

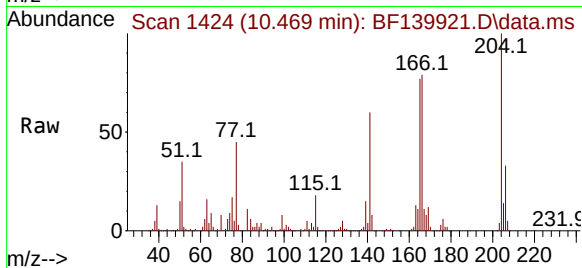
Tgt Ion:149 Resp: 996554
Ion Ratio Lower Upper
149 100
177 22.4 17.9 26.9
150 12.9 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 48.585 ng
RT: 10.469 min Scan# 1424
Delta R.T. 0.000 min
Lab File: BF139921.D
Acq: 22 Oct 2024 11:34

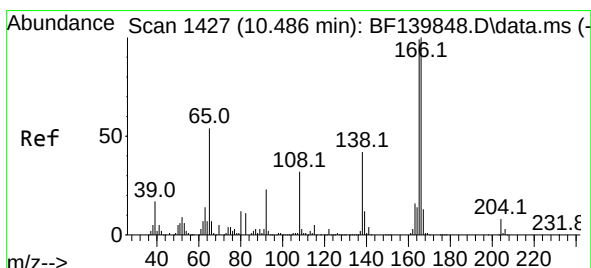
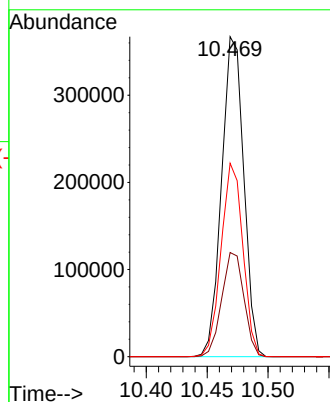
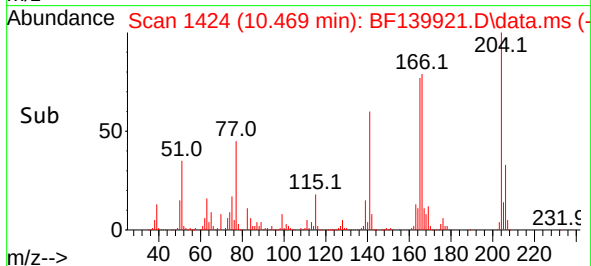
Instrument :
BNA_F
ClientSampleId :
PB164071BS



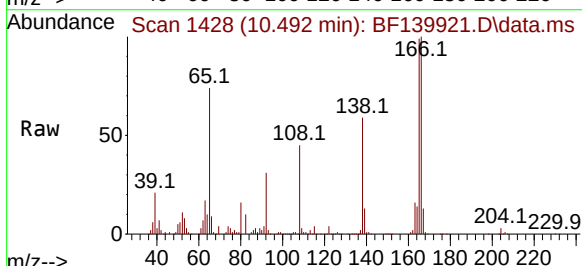
Tgt Ion:204 Resp: 466085
Ion Ratio Lower Upper
204 100
206 32.6 26.3 39.5
141 60.4 48.6 73.0

Manual Integrations
APPROVED

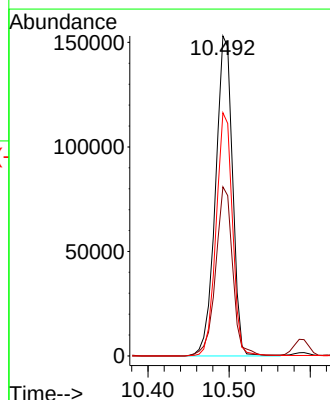
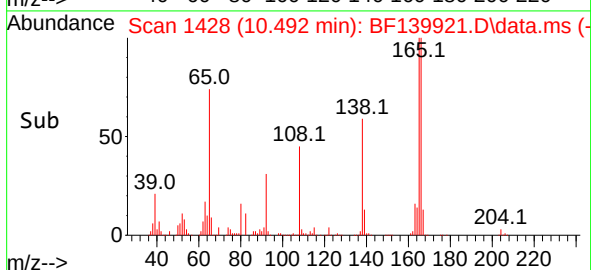
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

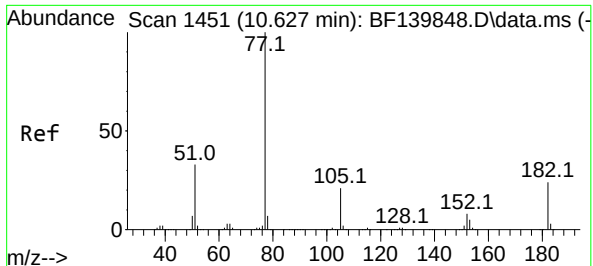


#62
4-Nitroaniline
Concen: 51.337 ng
RT: 10.492 min Scan# 1428
Delta R.T. 0.006 min
Lab File: BF139921.D
Acq: 22 Oct 2024 11:34



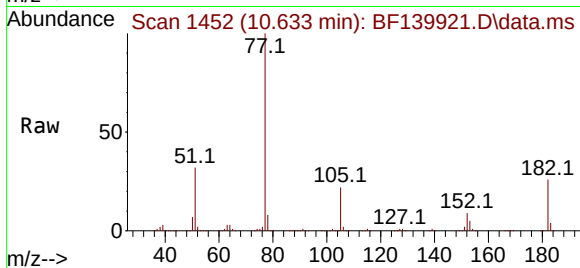
Tgt Ion:138 Resp: 223547
Ion Ratio Lower Upper
138 100
92 52.9 35.7 75.7
108 76.0 57.5 97.5





#63
Azobenzene
Concen: 47.856 ng
RT: 10.633 min Scan# 1452
Delta R.T. 0.006 min
Lab File: BF139921.D
Acq: 22 Oct 2024 11:34

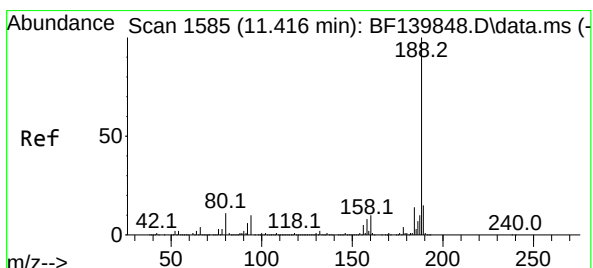
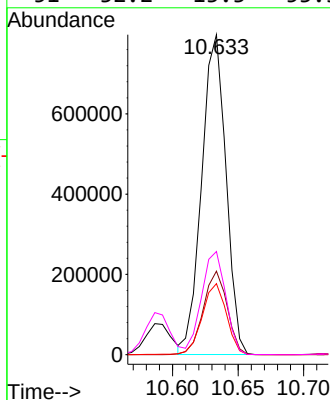
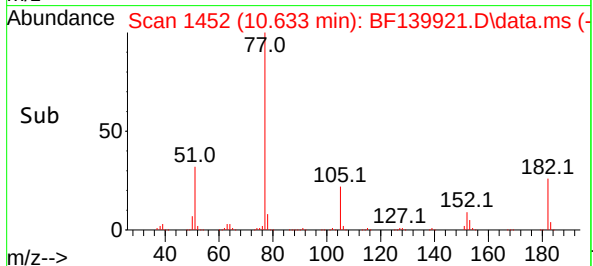
Instrument :
BNA_F
ClientSampleId :
PB164071BS



Tgt Ion: 77 Resp: 102860
Ion Ratio Lower Upper
77 100
182 26.1 3.3 43.3
105 22.2 1.2 41.2
51 32.2 13.3 53.3

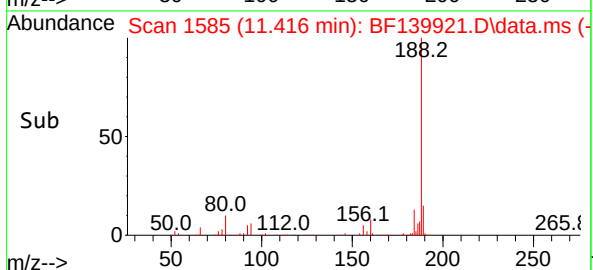
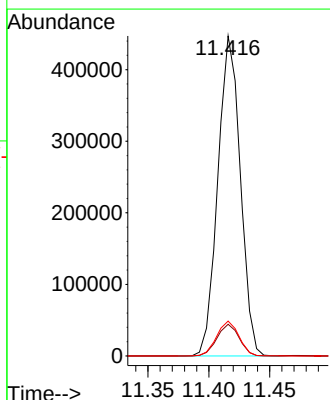
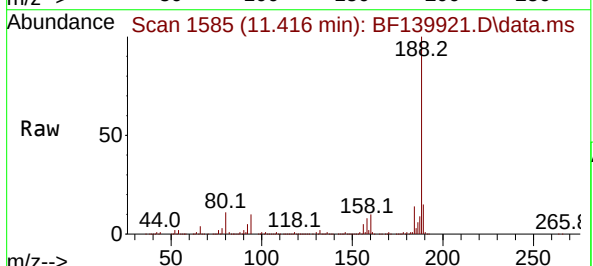
Manual Integrations
APPROVED

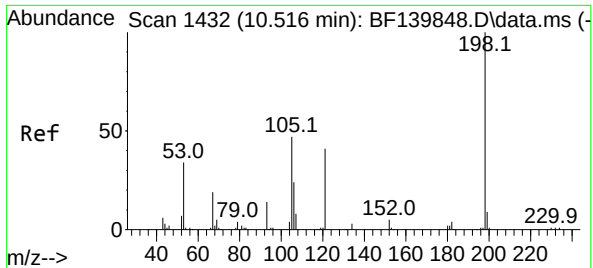
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BF139921.D
Acq: 22 Oct 2024 11:34

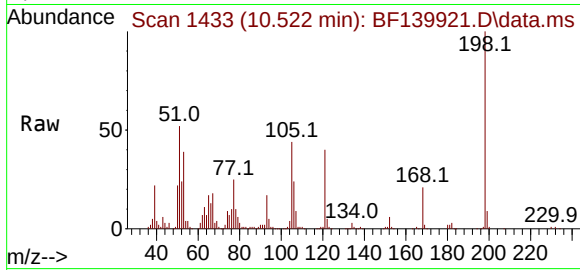
Tgt Ion:188 Resp: 575136
Ion Ratio Lower Upper
188 100
94 9.9 7.9 11.9
80 10.9 9.0 13.4





#65
4,6-Dinitro-2-methylphenol
Concen: 70.645 ng
RT: 10.522 min Scan# 1432
Delta R.T. 0.006 min
Lab File: BF139921.D
Acq: 22 Oct 2024 11:34

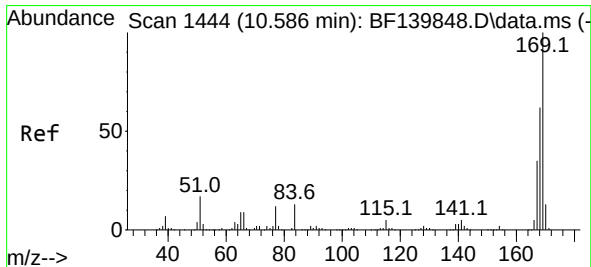
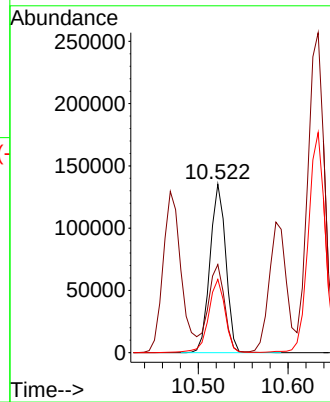
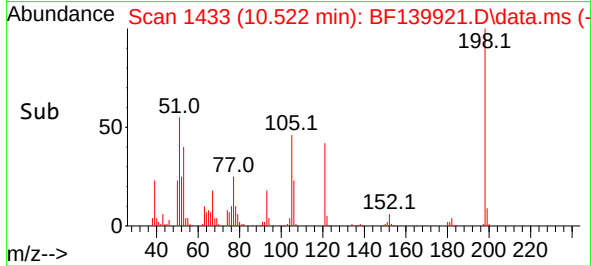
Instrument :
BNA_F
ClientSampleId :
PB164071BS



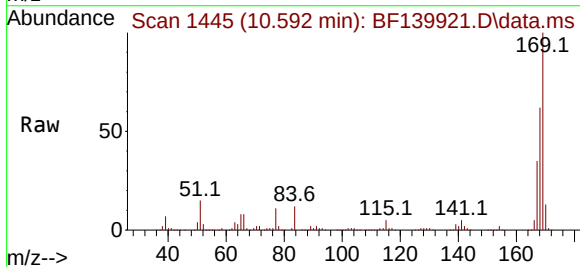
Tgt Ion:198 Resp: 165731
Ion Ratio Lower Upper
198 100
51 52.3 38.2 78.2
105 43.5 27.9 67.9

Manual Integrations
APPROVED

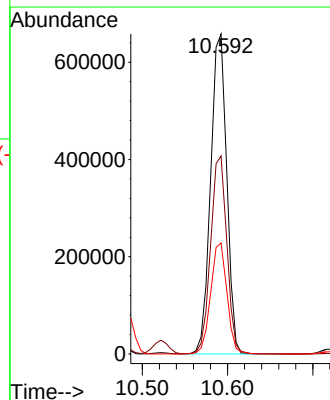
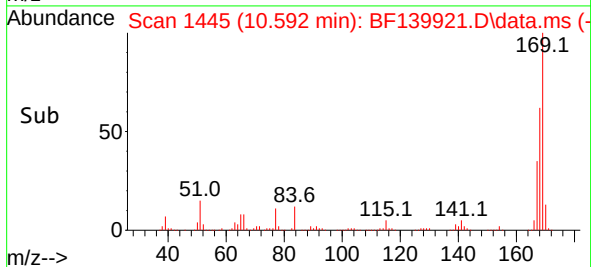
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

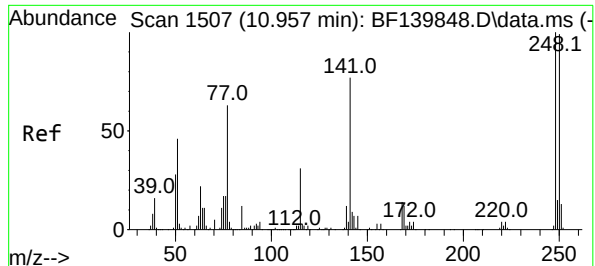


#66
n-Nitrosodiphenylamine
Concen: 50.112 ng
RT: 10.592 min Scan# 1445
Delta R.T. 0.006 min
Lab File: BF139921.D
Acq: 22 Oct 2024 11:34



Tgt Ion:169 Resp: 862616
Ion Ratio Lower Upper
169 100
168 61.8 49.8 74.6
167 34.7 28.0 42.0





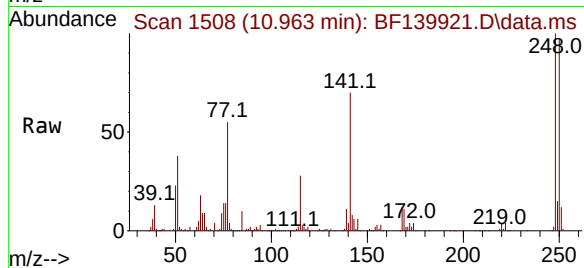
#67
4-Bromophenyl-phenylether
Concen: 51.095 ng
RT: 10.963 min Scan# 1508
Delta R.T. 0.006 min
Lab File: BF139921.D
Acq: 22 Oct 2024 11:34

Instrument :

BNA_F

ClientSampleId :

PB164071BS

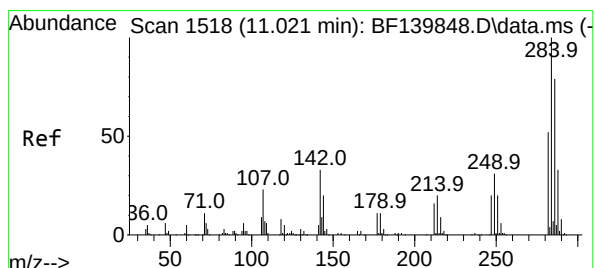
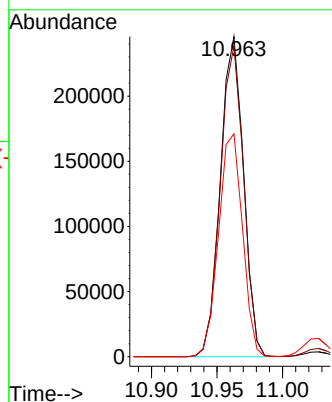
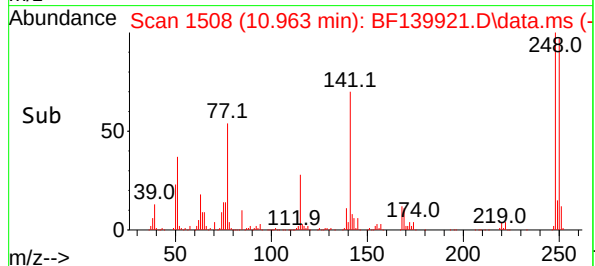


Tgt Ion:248 Resp: 302738
Ion Ratio Lower Upper
248 100
250 97.1 79.0 118.6
141 69.6 61.7 92.5

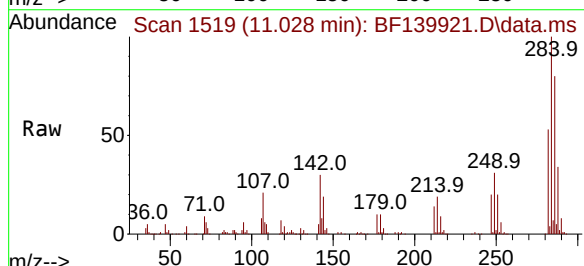
Manual Integrations

APPROVED

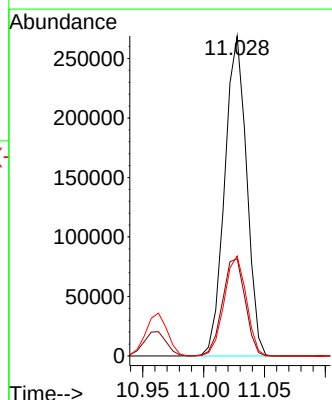
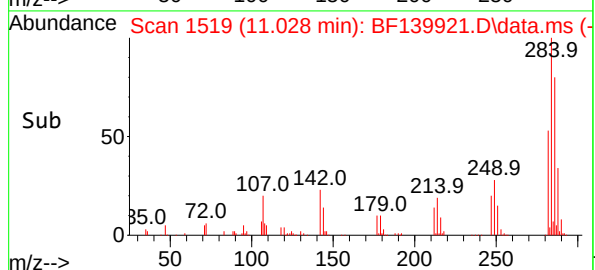
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

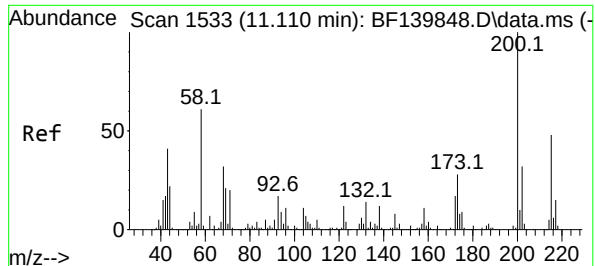


#68
Hexachlorobenzene
Concen: 50.492 ng
RT: 11.028 min Scan# 1519
Delta R.T. 0.006 min
Lab File: BF139921.D
Acq: 22 Oct 2024 11:34



Tgt Ion:284 Resp: 336457
Ion Ratio Lower Upper
284 100
142 30.4 26.9 40.3
249 31.2 25.3 37.9





#69

Atrazine

Concen: 58.364 ng

RT: 11.116 min Scan# 1533

Delta R.T. 0.006 min

Lab File: BF139921.D

Acq: 22 Oct 2024 11:34

Instrument :

BNA_F

ClientSampleId :

PB164071BS

Tgt Ion:200 Resp: 272149

Ion Ratio Lower Upper

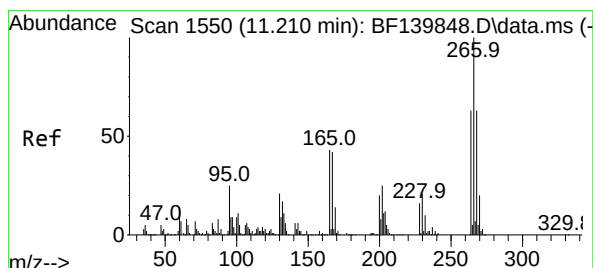
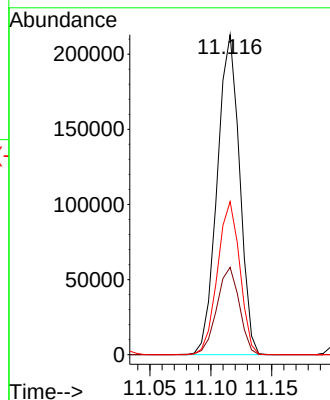
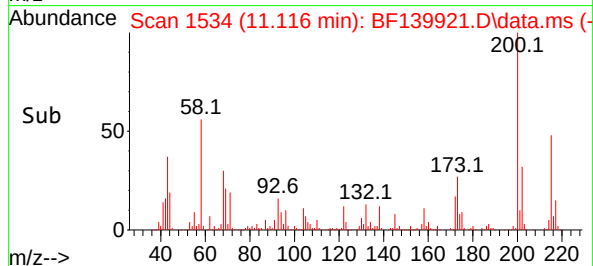
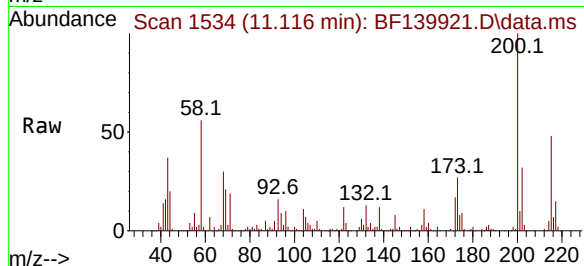
200 100

173 27.3 7.7 47.7

215 47.9 27.7 67.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

#70

Pentachlorophenol

Concen: 103.053 ng

RT: 11.216 min Scan# 1551

Delta R.T. 0.006 min

Lab File: BF139921.D

Acq: 22 Oct 2024 11:34

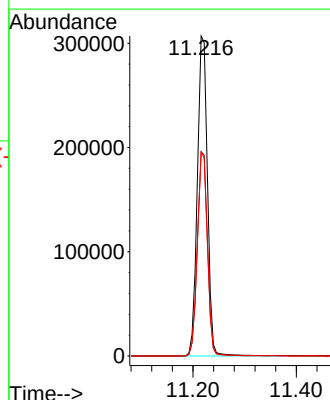
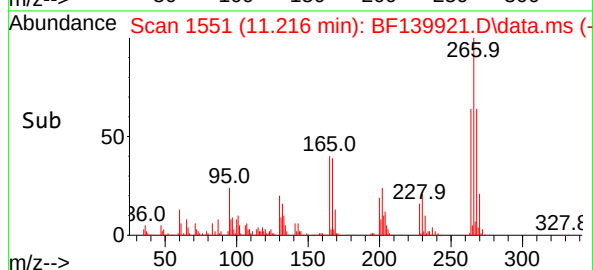
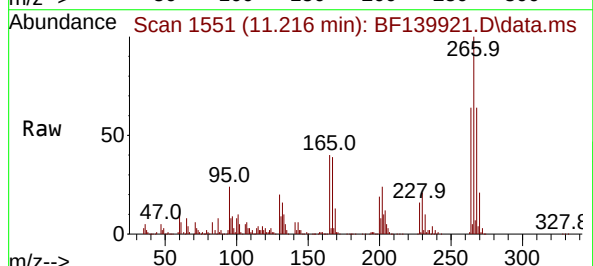
Tgt Ion:266 Resp: 416766

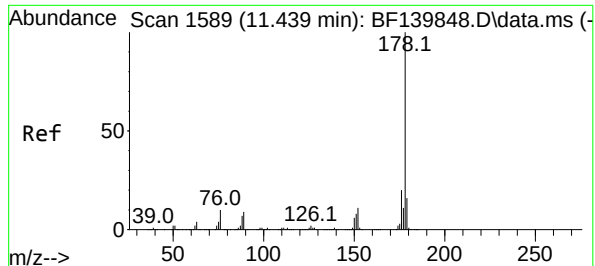
Ion Ratio Lower Upper

266 100

268 63.8 50.4 75.6

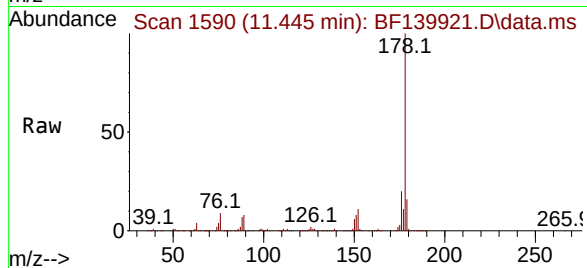
264 63.7 50.6 75.8





#71
Phenanthrene
Concen: 50.069 ng
RT: 11.445 min Scan# 1589
Delta R.T. 0.006 min
Lab File: BF139921.D
Acq: 22 Oct 2024 11:34

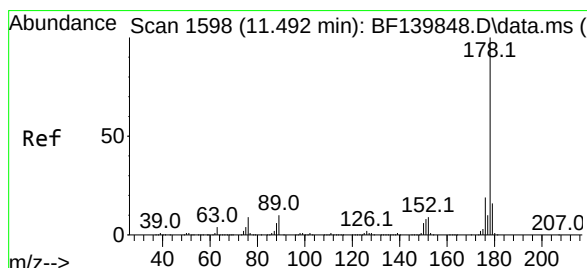
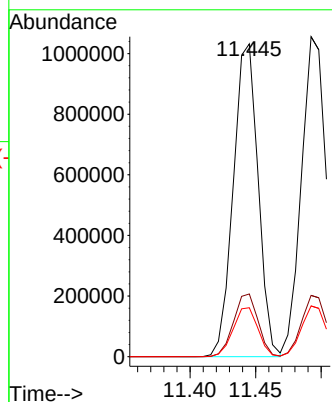
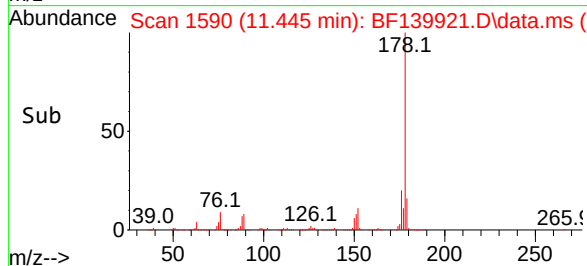
Instrument :
BNA_F
ClientSampleId :
PB164071BS



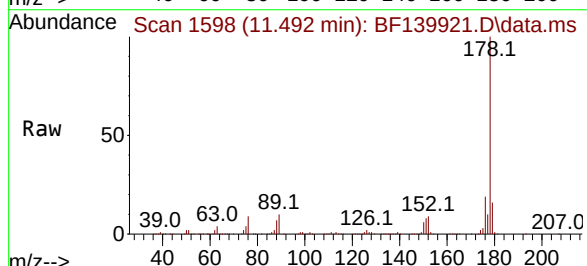
Tgt Ion:178 Resp: 1360228
Ion Ratio Lower Upper
178 100
176 20.1 15.8 23.6
179 15.7 12.6 18.8

Manual Integrations
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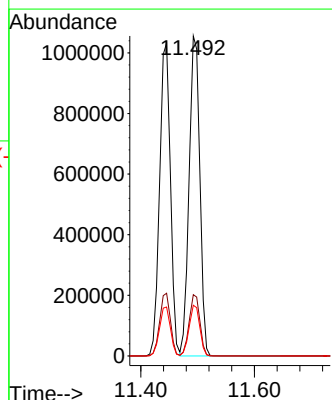
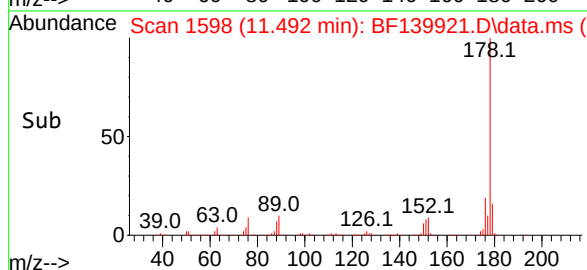
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

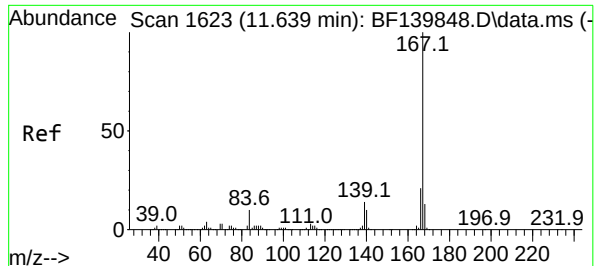


#72
Anthracene
Concen: 52.186 ng
RT: 11.492 min Scan# 1598
Delta R.T. 0.000 min
Lab File: BF139921.D
Acq: 22 Oct 2024 11:34



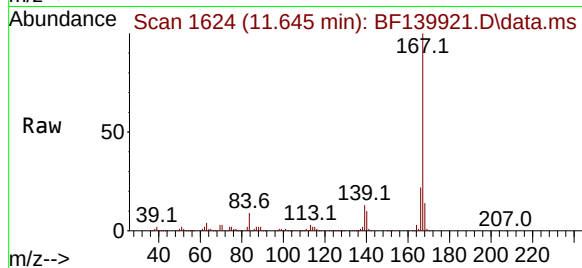
Tgt Ion:178 Resp: 1383255
Ion Ratio Lower Upper
178 100
176 19.2 15.3 22.9
179 15.9 12.4 18.6





#73
 Carbazole
 Concen: 48.627 ng
 RT: 11.645 min Scan# 1624
 Delta R.T. 0.006 min
 Lab File: BF139921.D
 Acq: 22 Oct 2024 11:34

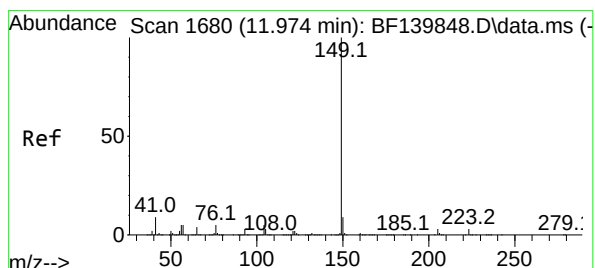
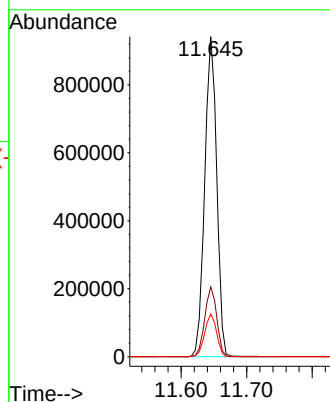
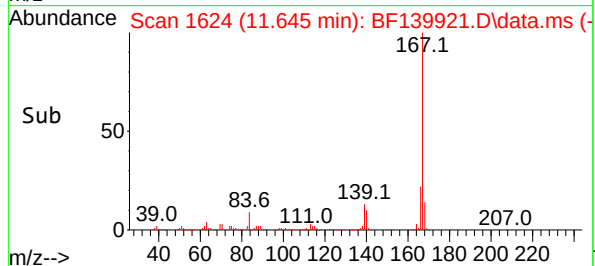
Instrument :
 BNA_F
 ClientSampleId :
 PB164071BS



Tgt Ion:167 Resp: 119872
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.0 25.6
 139 13.4 10.8 16.2

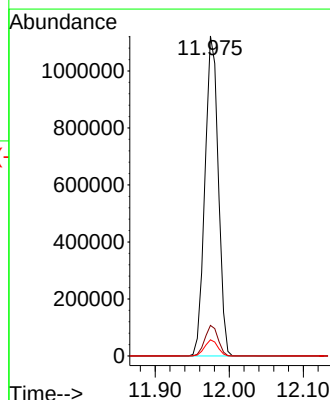
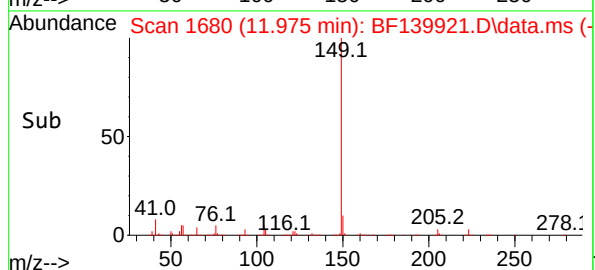
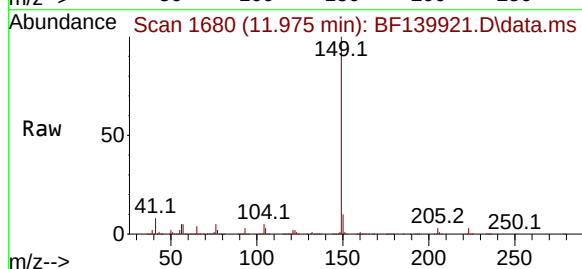
Manual Integrations
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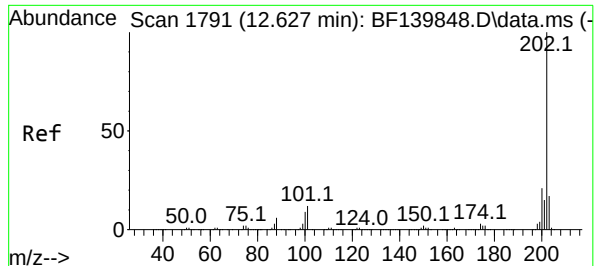
Reviewed By :Jagrut Upadhyay 10/23/2024
 Supervised By :mohammad ahmed 10/24/2024



#74
 Di-n-butylphthalate
 Concen: 49.276 ng
 RT: 11.975 min Scan# 1680
 Delta R.T. 0.000 min
 Lab File: BF139921.D
 Acq: 22 Oct 2024 11:34

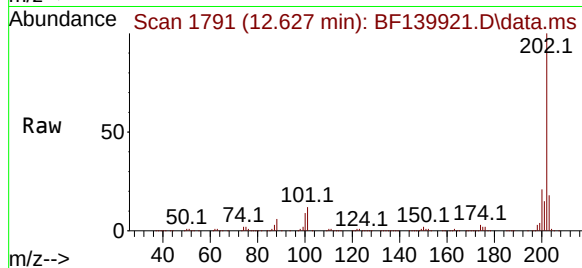
Tgt Ion:149 Resp: 1403424
 Ion Ratio Lower Upper
 149 100
 150 9.6 7.5 11.3
 104 5.0 4.1 6.1





#75
Fluoranthene
Concen: 48.816 ng
RT: 12.627 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF139921.D
Acq: 22 Oct 2024 11:34

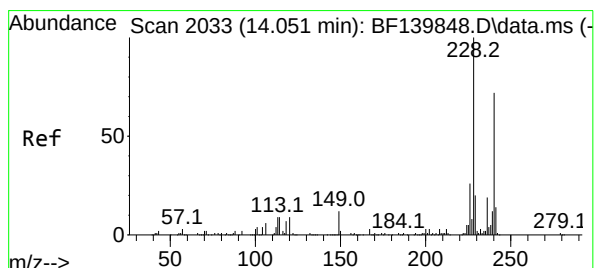
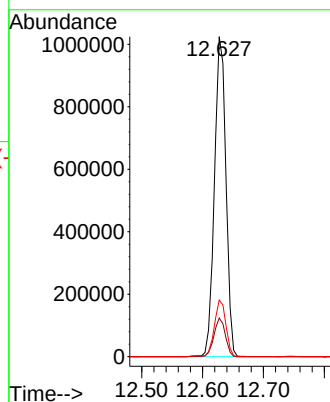
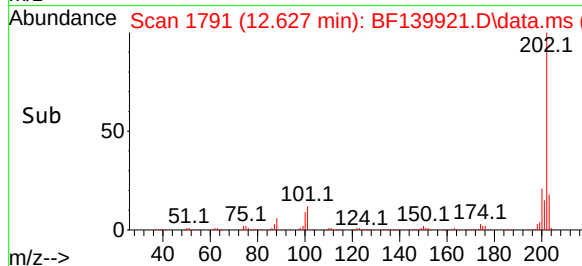
Instrument :
BNA_F
ClientSampleId :
PB164071BS



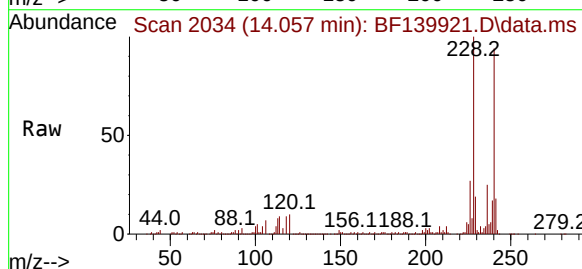
Tgt Ion:202 Resp: 134065
Ion Ratio Lower Upper
202 100
101 12.1 0.0 31.9
203 17.7 0.0 37.5

Manual Integrations
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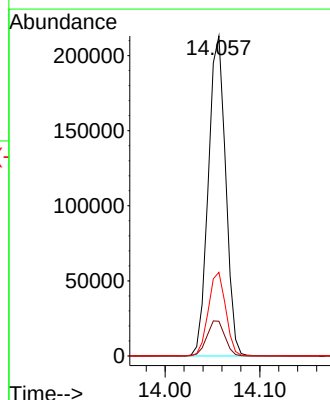
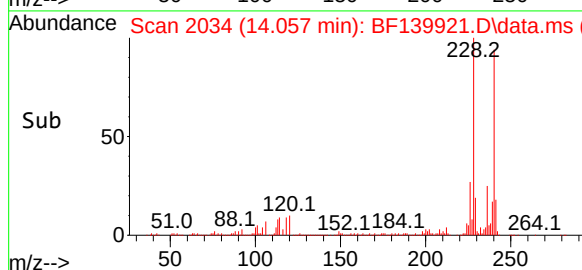
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

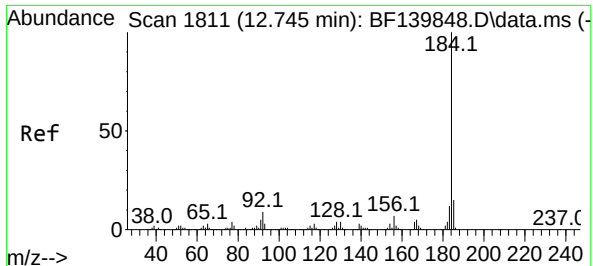


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. 0.006 min
Lab File: BF139921.D
Acq: 22 Oct 2024 11:34



Tgt Ion:240 Resp: 270065
Ion Ratio Lower Upper
240 100
120 10.9 9.4 14.2
236 26.2 20.9 31.3





#77

Benzidine

Concen: 53.466 ng

RT: 12.745 min Scan# 1811

Delta R.T. 0.000 min

Lab File: BF139921.D

Acq: 22 Oct 2024 11:34

Instrument :

BNA_F

ClientSampleId :

PB164071BS

Tgt Ion:184 Resp: 237429

Ion Ratio Lower Upper

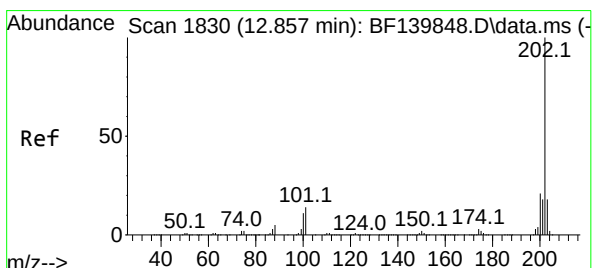
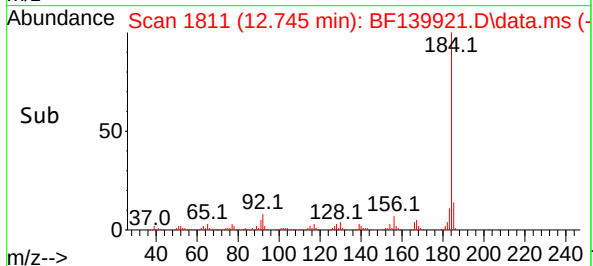
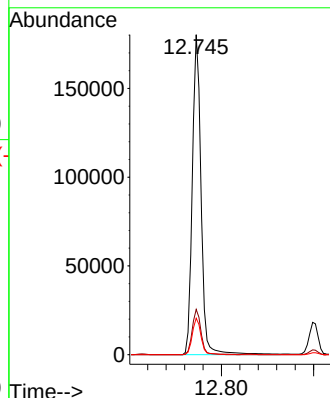
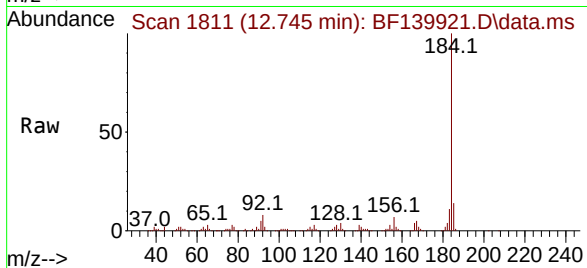
184 100

185 14.2 12.0 18.0

183 11.4 9.4 14.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

#78

Pyrene

Concen: 56.949 ng

RT: 12.857 min Scan# 1830

Delta R.T. 0.000 min

Lab File: BF139921.D

Acq: 22 Oct 2024 11:34

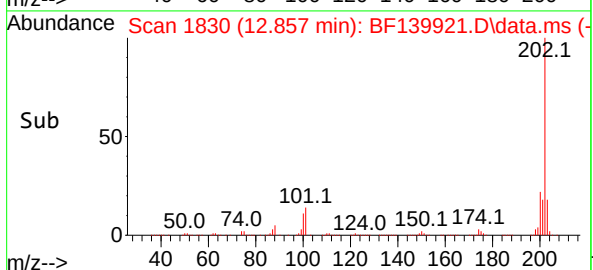
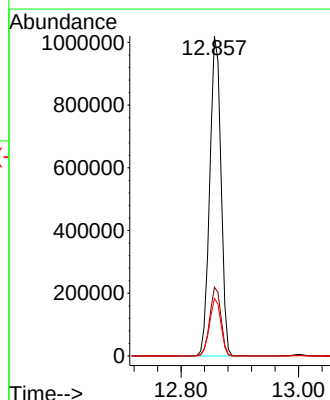
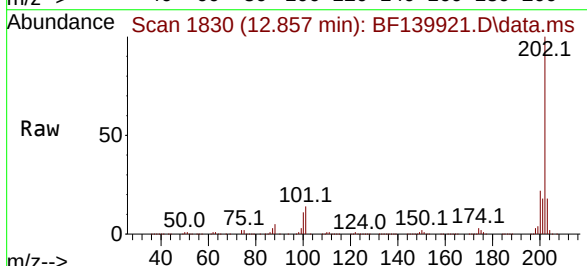
Tgt Ion:202 Resp: 1346251

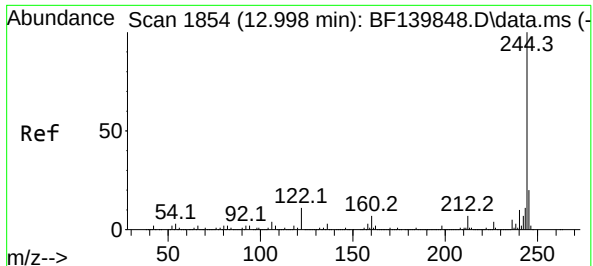
Ion Ratio Lower Upper

202 100

200 21.5 17.2 25.8

203 17.9 14.2 21.4





#79

Terphenyl-d14

Concen: 112.911 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.000 min

Lab File: BF139921.D

Acq: 22 Oct 2024 11:34

Instrument :

BNA_F

ClientSampleId :

PB164071BS

Tgt Ion:244 Resp: 187135

Ion Ratio Lower Upper

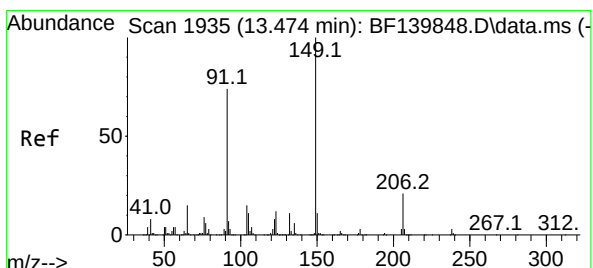
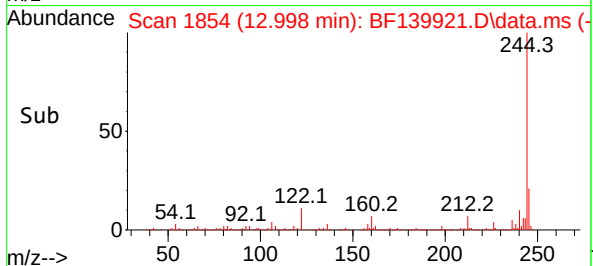
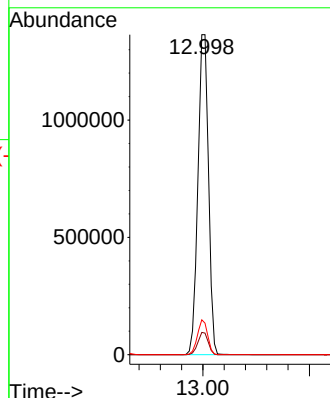
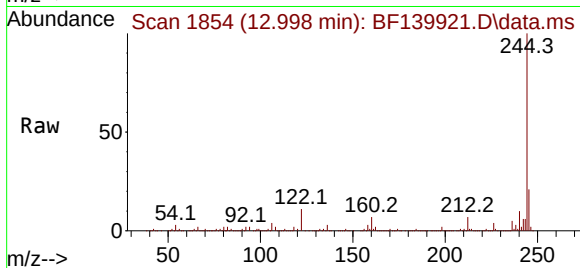
244 100

212 6.9 5.7 8.5

122 10.9 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

#80

Butylbenzylphthalate

Concen: 57.247 ng

RT: 13.474 min Scan# 1935

Delta R.T. 0.000 min

Lab File: BF139921.D

Acq: 22 Oct 2024 11:34

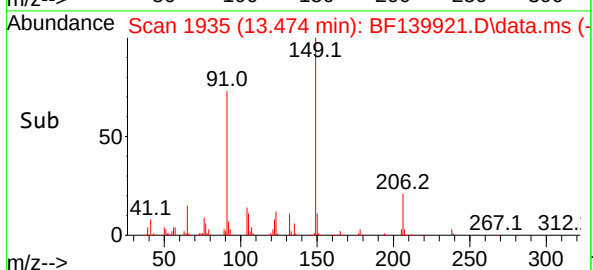
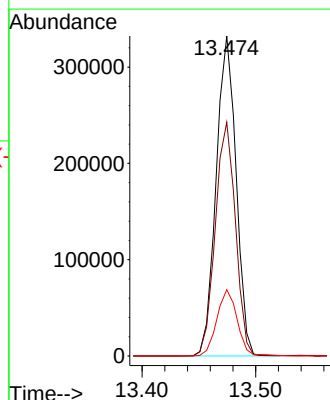
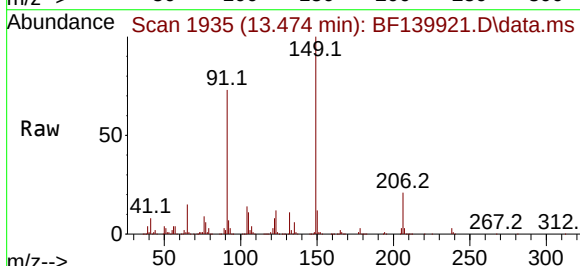
Tgt Ion:149 Resp: 405724

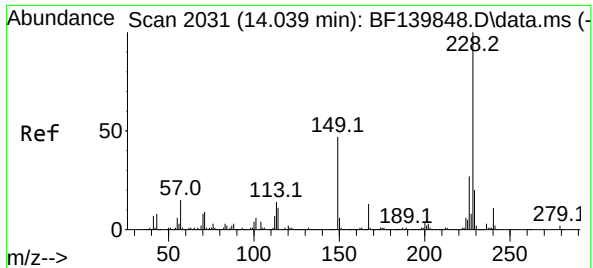
Ion Ratio Lower Upper

149 100

91 73.1 59.4 89.2

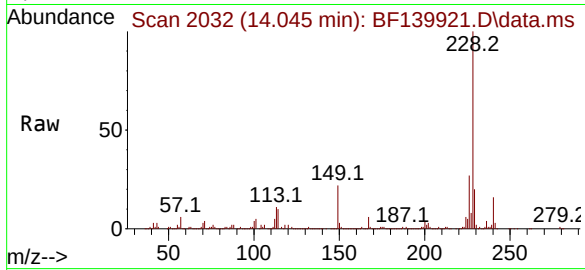
206 20.7 16.4 24.6





#81
Benzo(a)anthracene
Concen: 52.973 ng
RT: 14.045 min Scan# 2031
Delta R.T. 0.006 min
Lab File: BF139921.D
Acq: 22 Oct 2024 11:34

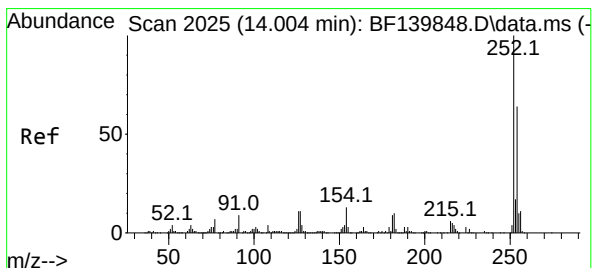
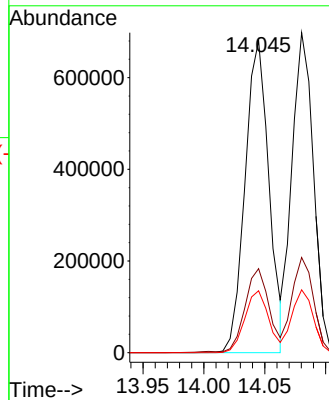
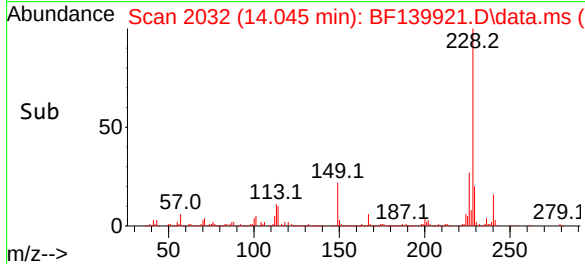
Instrument :
BNA_F
ClientSampleId :
PB164071BS



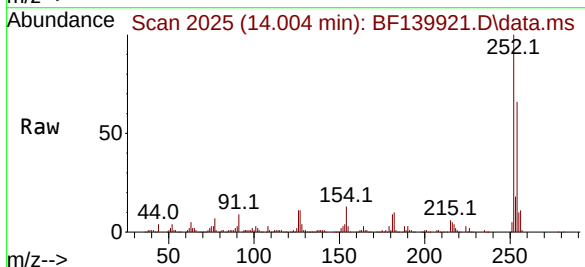
Tgt Ion:228 Resp: 93129
Ion Ratio Lower Upper
228 100
226 26.9 21.6 32.4
229 19.9 16.1 24.1

Manual Integrations
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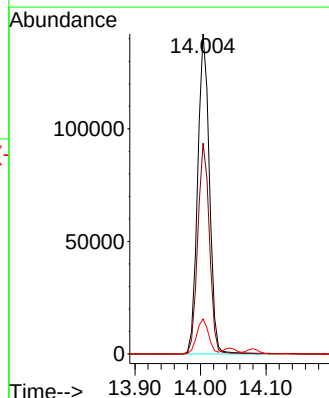
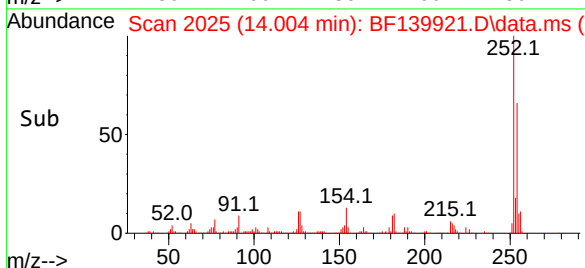
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

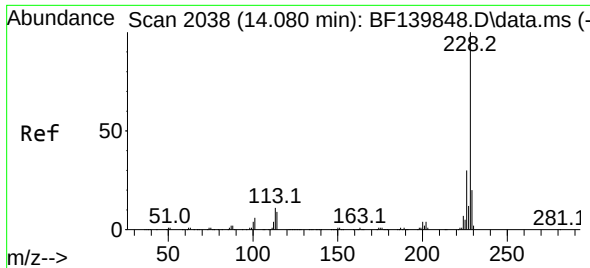


#82
3,3'-Dichlorobenzidine
Concen: 34.582 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF139921.D
Acq: 22 Oct 2024 11:34



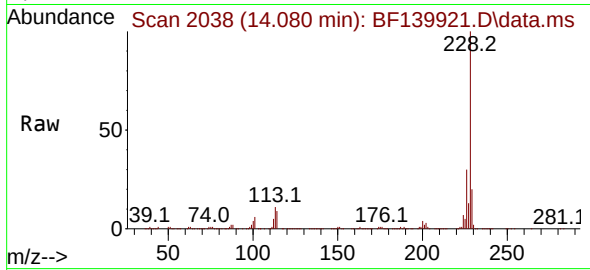
Tgt Ion:252 Resp: 177259
Ion Ratio Lower Upper
252 100
254 65.9 50.8 76.2
126 11.0 8.9 13.3





#83
Chrysene
Concen: 53.241 ng
RT: 14.080 min Scan# 2038
Delta R.T. 0.000 min
Lab File: BF139921.D
Acq: 22 Oct 2024 11:34

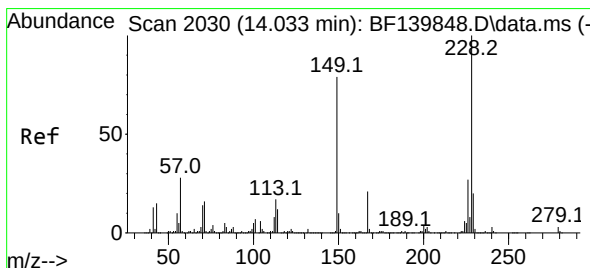
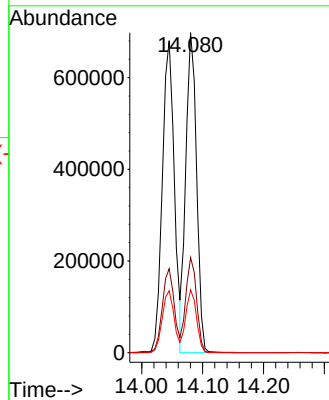
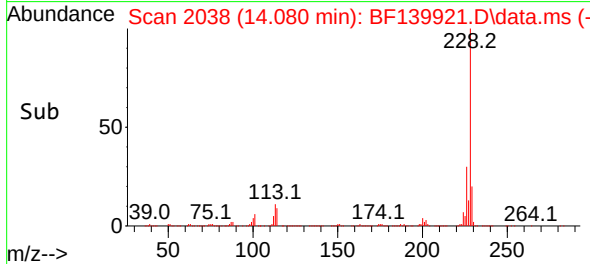
Instrument :
BNA_F
ClientSampleId :
PB164071BS



Tgt Ion:228 Resp: 858190
Ion Ratio Lower Upper
228 100
226 29.8 24.1 36.1
229 19.6 15.8 23.6

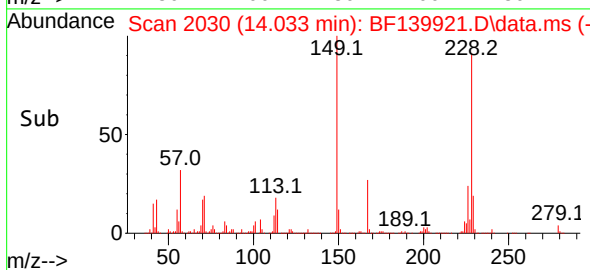
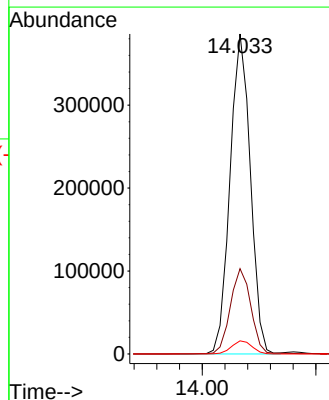
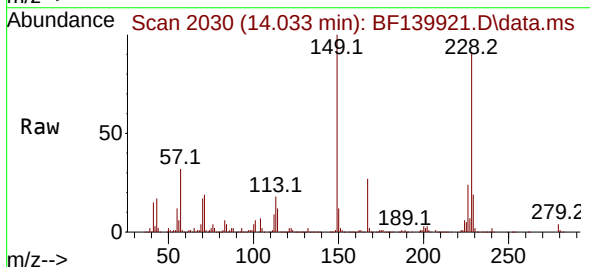
Manual Integrations
APPROVED

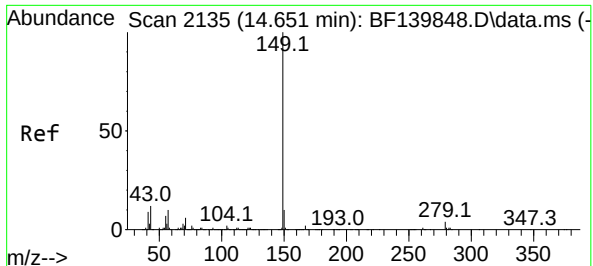
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#84
Bis(2-ethylhexyl)phthalate
Concen: 60.233 ng
RT: 14.033 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF139921.D
Acq: 22 Oct 2024 11:34

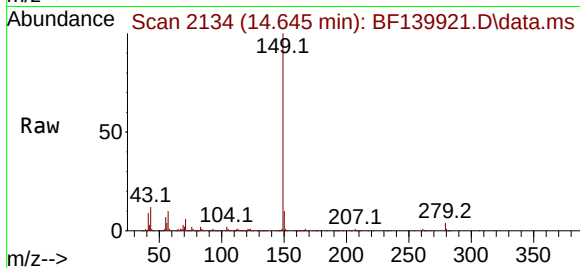
Tgt Ion:149 Resp: 478944
Ion Ratio Lower Upper
149 100
167 26.6 21.4 32.0
279 4.1 3.0 4.4





#85
Di-n-octyl phthalate
Concen: 61.078 ng
RT: 14.645 min Scan# 2135
Delta R.T. -0.006 min
Lab File: BF139921.D
Acq: 22 Oct 2024 11:34

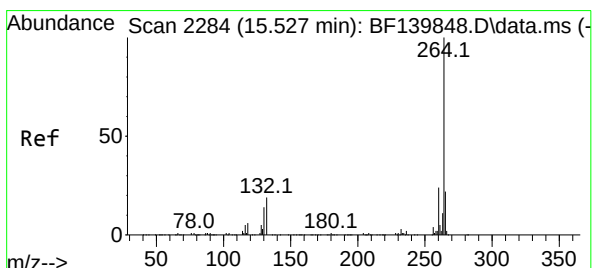
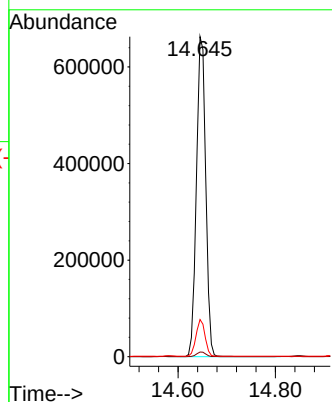
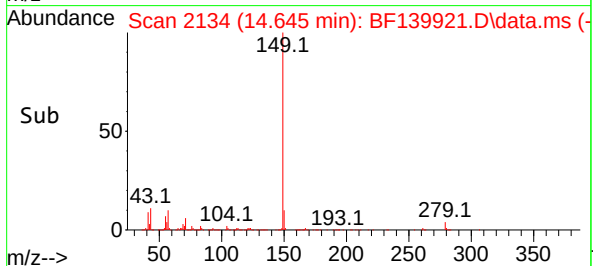
Instrument :
BNA_F
ClientSampleId :
PB164071BS



Tgt Ion:149 Resp: 883360
Ion Ratio Lower Upper
149 100
167 1.5 1.2 1.8
43 11.1 9.8 14.6

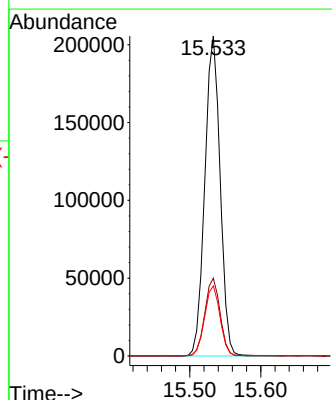
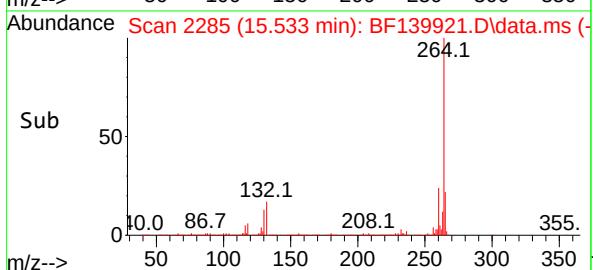
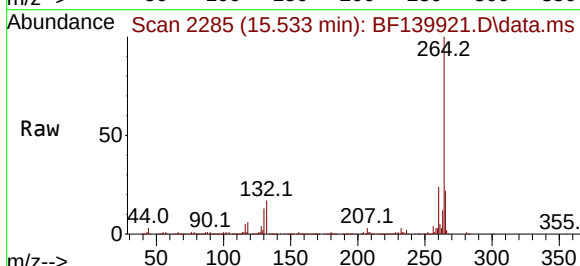
Manual Integrations
APPROVED

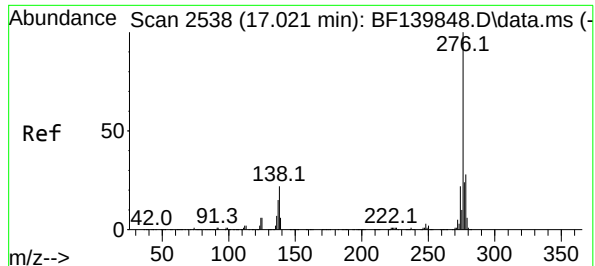
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2285
Delta R.T. 0.006 min
Lab File: BF139921.D
Acq: 22 Oct 2024 11:34

Tgt Ion:264 Resp: 308770
Ion Ratio Lower Upper
264 100
260 24.3 19.4 29.2
265 21.9 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 59.712 ng

RT: 17.033 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF139921.D

Acq: 22 Oct 2024 11:34

Instrument :

BNA_F

ClientSampleId :

PB164071BS

Tgt Ion:276 Resp: 1186119

Ion Ratio Lower Upper

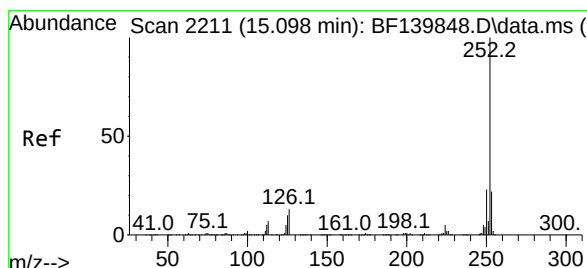
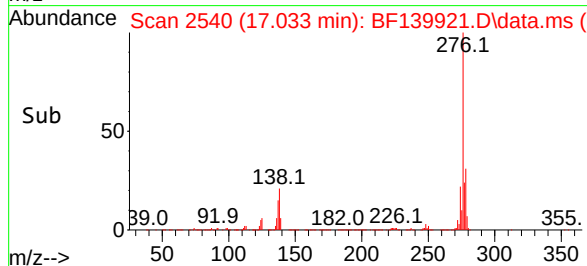
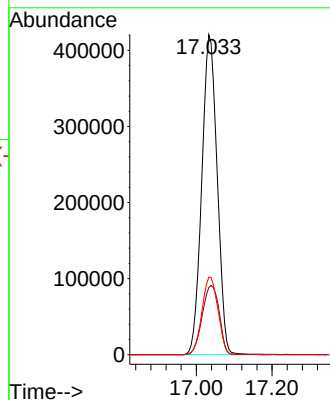
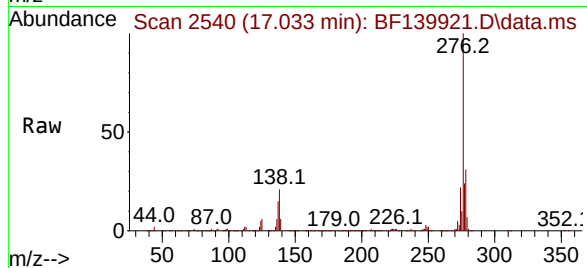
276 100

138 23.9 20.4 30.6

277 25.2 20.2 30.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

#88

Benzo(b)fluoranthene

Concen: 51.225 ng

RT: 15.098 min Scan# 2211

Delta R.T. 0.000 min

Lab File: BF139921.D

Acq: 22 Oct 2024 11:34

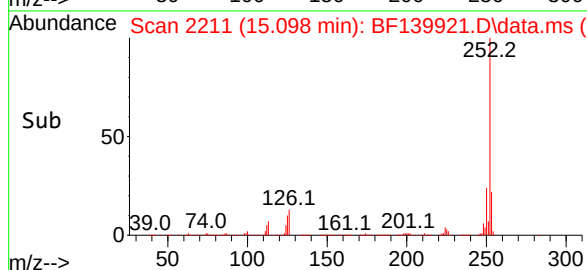
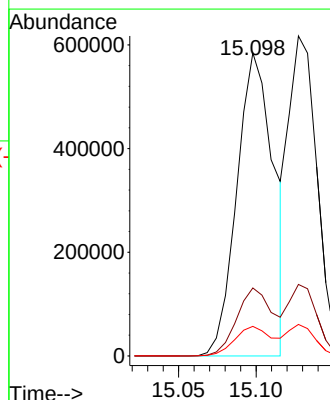
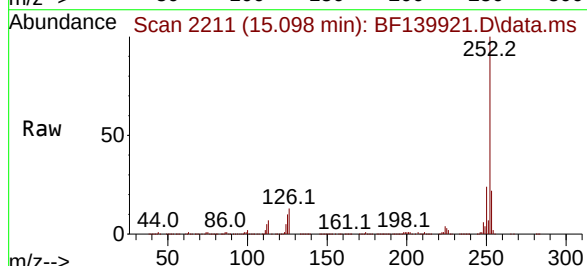
Tgt Ion:252 Resp: 963492

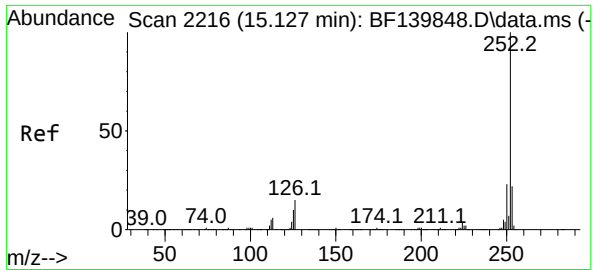
Ion Ratio Lower Upper

252 100

253 22.4 17.6 26.4

125 9.8 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 48.397 ng

RT: 15.127 min Scan# 2216

Delta R.T. 0.000 min

Lab File: BF139921.D

Acq: 22 Oct 2024 11:34

Instrument :

BNA_F

ClientSampleId :

PB164071BS

Tgt Ion:252 Resp: 785059

Ion Ratio Lower Upper

252 100

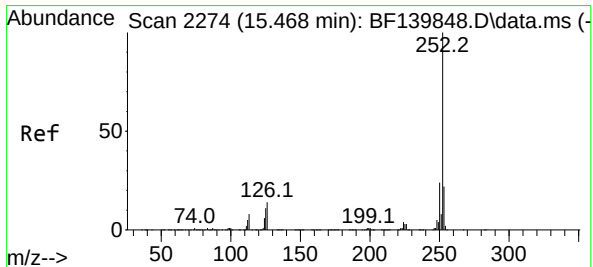
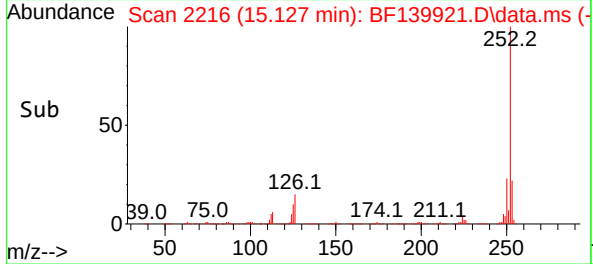
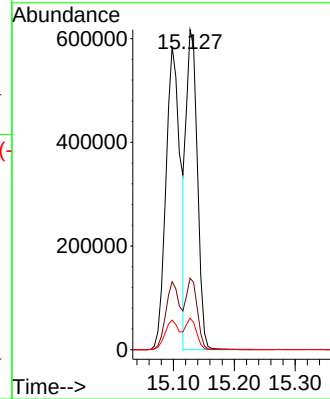
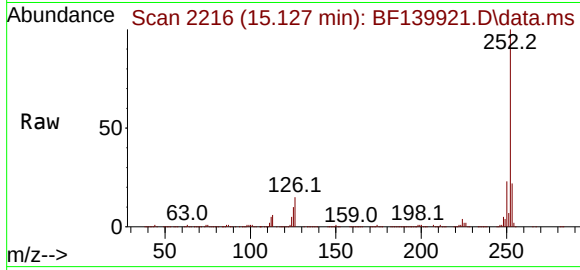
253 22.4 17.6 26.4

125 9.9 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024
 Supervised By :mohammad ahmed 10/24/2024



#90

Benzo(a)pyrene

Concen: 55.959 ng

RT: 15.474 min Scan# 2275

Delta R.T. 0.006 min

Lab File: BF139921.D

Acq: 22 Oct 2024 11:34

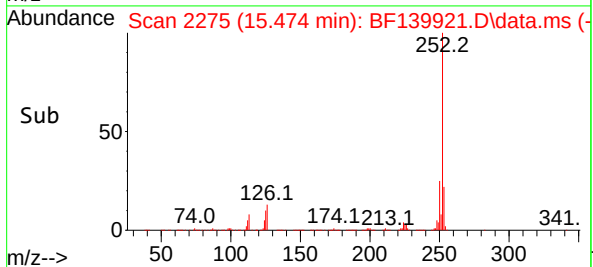
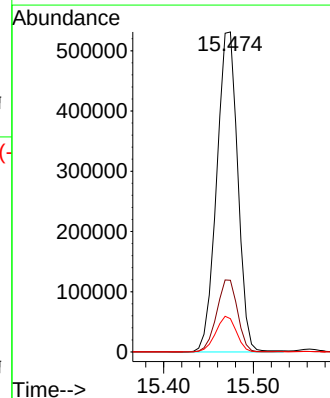
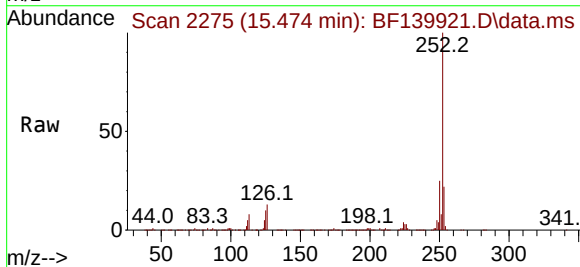
Tgt Ion:252 Resp: 866062

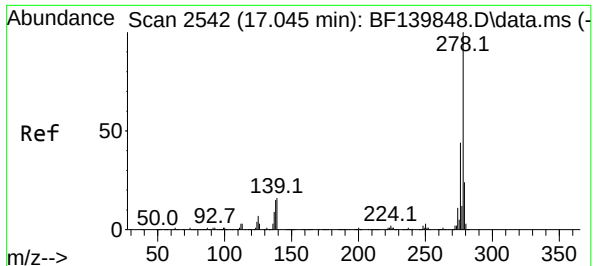
Ion Ratio Lower Upper

252 100

253 22.4 17.3 25.9

125 10.4 8.7 13.1





#91

Dibenzo(a,h)anthracene

Concen: 58.486 ng

RT: 17.057 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF139921.D

Acq: 22 Oct 2024 11:34

Instrument :

BNA_F

ClientSampleId :

PB164071BS

Tgt Ion:278 Resp: 96917

Ion Ratio Lower Upper

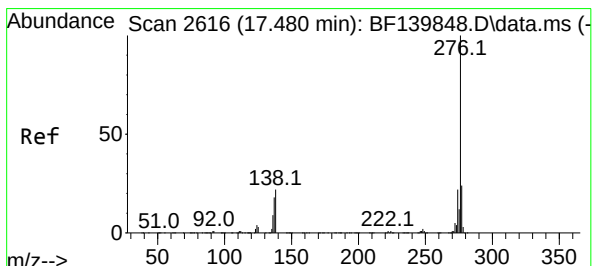
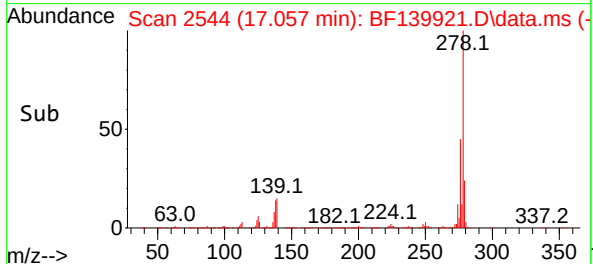
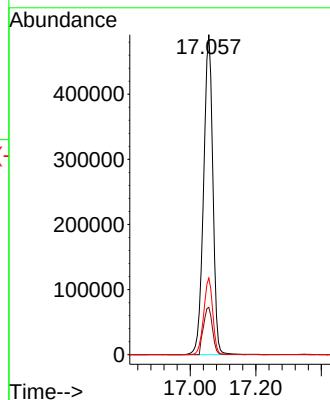
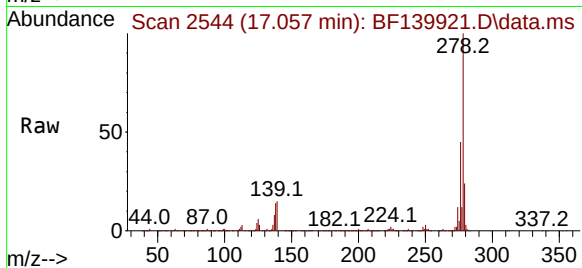
278 100

139 14.8 13.1 19.7

279 23.9 19.0 28.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

#92

Benzo(g,h,i)perylene

Concen: 54.921 ng

RT: 17.492 min Scan# 2618

Delta R.T. 0.012 min

Lab File: BF139921.D

Acq: 22 Oct 2024 11:34

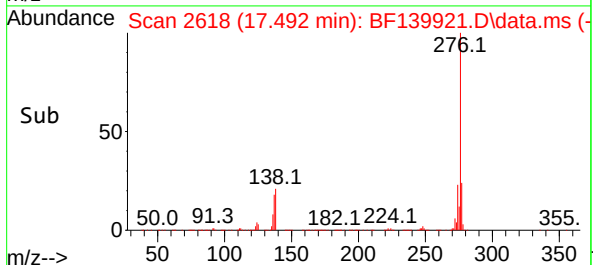
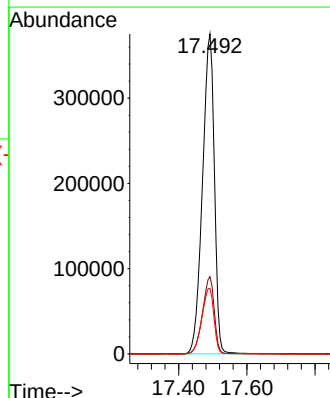
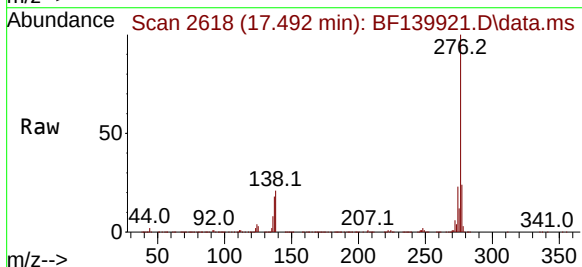
Tgt Ion:276 Resp: 909062

Ion Ratio Lower Upper

276 100

277 24.1 19.0 28.6

138 20.5 17.4 26.0



Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-3MS	SDG No.:	P4385
Lab Sample ID:	P4385-06MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94.1
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
BF139902.D	1	10/11/24 09:38	10/21/24 14:47	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	760		190	350	ug/Kg
108-95-2	Phenol	1900		88.1	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1800		88.9	180	ug/Kg
95-57-8	2-Chlorophenol	1900		88.7	180	ug/Kg
95-48-7	2-Methylphenol	1900		85.6	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1800		96.6	180	ug/Kg
98-86-2	Acetophenone	1800		92.3	180	ug/Kg
65794-96-9	3+4-Methylphenols	1800		84.8	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1800		42.8	85.0	ug/Kg
67-72-1	Hexachloroethane	1800		88.2	180	ug/Kg
98-95-3	Nitrobenzene	1700		96.5	180	ug/Kg
78-59-1	Isophorone	1800		89.9	180	ug/Kg
88-75-5	2-Nitrophenol	2100		100	180	ug/Kg
105-67-9	2,4-Dimethylphenol	2000		99.0	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1800		91.1	180	ug/Kg
120-83-2	2,4-Dichlorophenol	1800		80.2	180	ug/Kg
91-20-3	Naphthalene	1700		87.7	180	ug/Kg
106-47-8	4-Chloroaniline	370		87.7	180	ug/Kg
87-68-3	Hexachlorobutadiene	1700		88.5	180	ug/Kg
105-60-2	Caprolactam	1900		92.2	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1800		82.3	180	ug/Kg
91-57-6	2-Methylnaphthalene	1800		87.6	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	5400	E	170	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1900		75.9	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1800		78.6	180	ug/Kg
92-52-4	1,1-Biphenyl	1800		92.8	180	ug/Kg
91-58-7	2-Chloronaphthalene	1800		88.5	180	ug/Kg
88-74-4	2-Nitroaniline	2000		100	180	ug/Kg
131-11-3	Dimethylphthalate	1900		86.8	180	ug/Kg

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-3MS	SDG No.:	P4385
Lab Sample ID:	P4385-06MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94.1
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
BF139902.D	1	10/11/24 09:38	10/21/24 14:47	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1900		91.9	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	1900		88.4	180	ug/Kg
99-09-2	3-Nitroaniline	1100		94.8	180	ug/Kg
83-32-9	Acenaphthene	2000		86.2	180	ug/Kg
51-28-5	2,4-Dinitrophenol	4200	E	260	350	ug/Kg
100-02-7	4-Nitrophenol	3600	E	120	350	ug/Kg
132-64-9	Dibenzofuran	1800		89.7	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	2000		91.6	180	ug/Kg
84-66-2	Diethylphthalate	1800		85.1	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1700		90.9	180	ug/Kg
86-73-7	Fluorene	1700		90.8	180	ug/Kg
100-01-6	4-Nitroaniline	1800		110	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2400		120	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1800		86.7	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1900		83.8	180	ug/Kg
118-74-1	Hexachlorobenzene	1800		90.3	180	ug/Kg
1912-24-9	Atrazine	2200		97.1	180	ug/Kg
87-86-5	Pentachlorophenol	3400	E	82.1	350	ug/Kg
85-01-8	Phenanthrene	1800		89.2	180	ug/Kg
120-12-7	Anthracene	1800		89.7	180	ug/Kg
86-74-8	Carbazole	1700		85.3	180	ug/Kg
84-74-2	Di-n-butylphthalate	1800		89.6	180	ug/Kg
206-44-0	Fluoranthene	1700		86.8	180	ug/Kg
129-00-0	Pyrene	1700		88.2	180	ug/Kg
85-68-7	Butylbenzylphthalate	2200		100	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	970		100	350	ug/Kg
56-55-3	Benzo(a)anthracene	1900		85.7	180	ug/Kg
218-01-9	Chrysene	1900		84.5	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2500		96.7	180	ug/Kg
117-84-0	Di-n-octyl phthalate	2300		120	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	1900		86.2	180	ug/Kg

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-3MS	SDG No.:	P4385
Lab Sample ID:	P4385-06MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94.1
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
BF139902.D	1	10/11/24 09:38	10/21/24 14:47	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1700		87.7	180	ug/Kg
50-32-8	Benzo(a)pyrene	2000		98.8	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1700		83.0	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1700		86.3	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1500		85.1	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1800		92.2	180	ug/Kg
123-91-1	1,4-Dioxane	1700		120	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1900		79.4	180	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	115		30 (18) - 130 (112)	77%	SPK: 150
13127-88-3	Phenol-d6	113		30 (15) - 130 (107)	75%	SPK: 150
4165-60-0	Nitrobenzene-d5	86.1		30 (18) - 130 (107)	86%	SPK: 100
321-60-8	2-Fluorobiphenyl	83.1		30 (20) - 130 (109)	83%	SPK: 100
118-79-6	2,4,6-Tribromophenol	122		30 (10) - 130 (116)	81%	SPK: 150
1718-51-0	Terphenyl-d14	84.2		30 (10) - 130 (105)	84%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	159000	6.892			
1146-65-2	Naphthalene-d8	618000	8.175			
15067-26-2	Acenaphthene-d10	335000	9.927			
1517-22-2	Phenanthrene-d10	564000	11.416			
1719-03-5	Chrysene-d12	295000	14.057			
1520-96-3	Perylene-d12	344000	15.533			

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\BF102124\
 Data File : BF139902.D
 Acq On : 21 Oct 2024 14:47
 Operator : RC/JU
 Sample : P4385-06MS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SP-3MS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/23/2024

Quant Time: Oct 21 15:12:12 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Oct 18 15:07:50 2024

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	159111	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	617785	20.000	ng	0.00
39) Acenaphthene-d10	9.927	164	335465	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	563658	20.000	ng	0.00
76) Chrysene-d12	14.057	240	294671	20.000	ng	0.00
86) Perylene-d12	15.533	264	343985	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1171257	115.240	ng	0.02
7) Phenol-d6	6.510	99	1490047	113.195	ng	0.00
23) Nitrobenzene-d5	7.451	82	959444	86.075	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	383460	122.205	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	1686713	83.097	ng	0.00
79) Terphenyl-d14	12.998	244	1523495	84.247	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	2.763	88	221440	46.729	ng	96
3) Pyridine	3.516	79	561250	47.782	ng	98
4) n-Nitrosodimethylamine	3.469	42	318557	50.478	ng	100
6) Aniline	6.551	93	352627	28.743	ng	98
8) 2-Chlorophenol	6.675	128	549901	52.924	ng	97
9) Benzaldehyde	6.439	77	159810	21.581	ng	98
10) Phenol	6.528	94	713784m	52.596	ng	
11) bis(2-Chloroethyl)ether	6.622	93	538820	51.368	ng	99
12) 1,3-Dichlorobenzene	6.834	146	586155	49.144	ng	98
13) 1,4-Dichlorobenzene	6.910	146	591283	49.620	ng	99
14) 1,2-Dichlorobenzene	7.057	146	563692	50.686	ng	100
15) Benzyl Alcohol	7.028	79	515039	53.339	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.163	45	918919	51.377	ng	99
17) 2-Methylphenol	7.134	107	464117	52.384	ng	99
18) Hexachloroethane	7.404	117	211189	49.700	ng	97
19) n-Nitroso-di-n-propyla...	7.304	70	403123	50.493	ng	98
20) 3+4-Methylphenols	7.286	107	564183	49.785	ng	93
22) Acetophenone	7.298	105	748474	49.464	ng	98
24) Nitrobenzene	7.469	77	600690	49.152	ng	100
25) Isophorone	7.710	82	1084795	51.275	ng	99
26) 2-Nitrophenol	7.786	139	274244	59.483	ng	96
27) 2,4-Dimethylphenol	7.816	122	443149	57.644	ng	99
28) bis(2-Chloroethoxy)met...	7.922	93	644352	50.270	ng	100
29) 2,4-Dichlorophenol	8.022	162	450559	51.454	ng	100
30) 1,2,4-Trichlorobenzene	8.110	180	474048	48.926	ng	99
31) Naphthalene	8.192	128	1574222	49.408	ng	100
32) Benzoic acid	7.928	122	344178	51.330	ng	97
33) 4-Chloroaniline	8.239	127	113169	10.416	ng	97
34) Hexachlorobutadiene	8.310	225	299094	49.130	ng	98
35) Caprolactam	8.610	113	147894m	53.118	ng	
36) 4-Chloro-3-methylphenol	8.716	107	489084	50.442	ng	98
37) 2-Methylnaphthalene	8.886	142	993862	50.932	ng	100
38) 1-Methylnaphthalene	8.986	142	914744	47.780	ng	100
40) 1,2,4,5-Tetrachloroben...	9.051	216	456013	50.386	ng	99
41) Hexachlorocyclopentadiene	9.039	237	482538	153.232	ng	100
43) 2,4,6-Trichlorophenol	9.157	196	351206	54.811	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102124\
 Data File : BF139902.D
 Acq On : 21 Oct 2024 14:47
 Operator : RC/JU
 Sample : P4385-06MS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-3MS

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/22/2024
 Supervised By :mohammad ahmed 10/23/2024

Quant Time: Oct 21 15:12:12 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	331813	50.192	ng	99
46) 1,1'-Biphenyl	9.351	154	1169824	50.093	ng	99
47) 2-Chloronaphthalene	9.375	162	937179	49.826	ng	100
48) 2-Nitroaniline	9.469	65	317397	55.174	ng	94
49) Acenaphthylene	9.792	152	1451414	53.376	ng	99
50) Dimethylphthalate	9.651	163	1096069	52.455	ng	100
51) 2,6-Dinitrotoluene	9.710	165	241717	53.427	ng	96
52) Acenaphthene	9.963	154	981249	55.783	ng	99
53) 3-Nitroaniline	9.875	138	142253	30.490	ng	98
54) 2,4-Dinitrophenol	9.980	184	228598	118.216	ng	# 1
55) Dibenzofuran	10.133	168	1282825	50.828	ng	100
56) 4-Nitrophenol	10.027	139	369013	102.803	ng	98
57) 2,4-Dinitrotoluene	10.110	165	317511	57.069	ng	99
58) Fluorene	10.480	166	945689	49.196	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.251	232	274981	53.060	ng	97
60) Diethylphthalate	10.351	149	1044323	50.902	ng	100
61) 4-Chlorophenyl-phenyle...	10.469	204	476833	49.119	ng	100
62) 4-Nitroaniline	10.492	138	220141	49.958	ng	96
63) Azobenzene	10.633	77	1295113	59.544	ng	88
65) 4,6-Dinitro-2-methylph...	10.516	198	155932	67.822	ng	97
66) n-Nitrosodiphenylamine	10.586	169	876750	51.971	ng	99
67) 4-Bromophenyl-phenylether	10.963	248	305519	52.615	ng	95
68) Hexachlorobenzene	11.022	284	334639	51.241	ng	99
69) Atrazine	11.110	200	283543	62.046	ng	99
70) Pentachlorophenol	11.216	266	385813	97.342	ng	99
71) Phenanthrene	11.439	178	1372291	51.542	ng	100
72) Anthracene	11.492	178	1324889	51.002	ng	99
73) Carbazole	11.645	167	1162810	48.130	ng	99
74) Di-n-butylphthalate	11.974	149	1448476	51.894	ng	100
75) Fluoranthene	12.627	202	1268974	47.146	ng	99
77) Benzidine	12.745	184	126669	26.142	ng	99
78) Pyrene	12.857	202	1267349	49.134	ng	99
80) Butylbenzylphthalate	13.474	149	488917	63.225	ng	100
81) Benzo(a)anthracene	14.045	228	1018819	53.113	ng	100
82) 3,3'-Dichlorobenzidine	14.004	252	153603	27.464	ng	98
83) Chrysene	14.080	228	937944	53.330	ng	100
84) Bis(2-ethylhexyl)phtha...	14.033	149	604165	69.637	ng	99
85) Di-n-octyl phthalate	14.651	149	1020553	64.672	ng	99
87) Indeno(1,2,3-cd)pyrene	17.027	276	1051652	47.523	ng	99
88) Benzo(b)fluoranthene	15.098	252	1122393	53.564	ng	99
89) Benzo(k)fluoranthene	15.127	252	868103	48.038	ng	100
90) Benzo(a)pyrene	15.468	252	962363	55.816	ng	99
91) Dibenzo(a,h)anthracene	17.051	278	864311	46.818	ng	99
92) Benzo(g,h,i)perylene	17.480	276	766144	41.548	ng	100

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

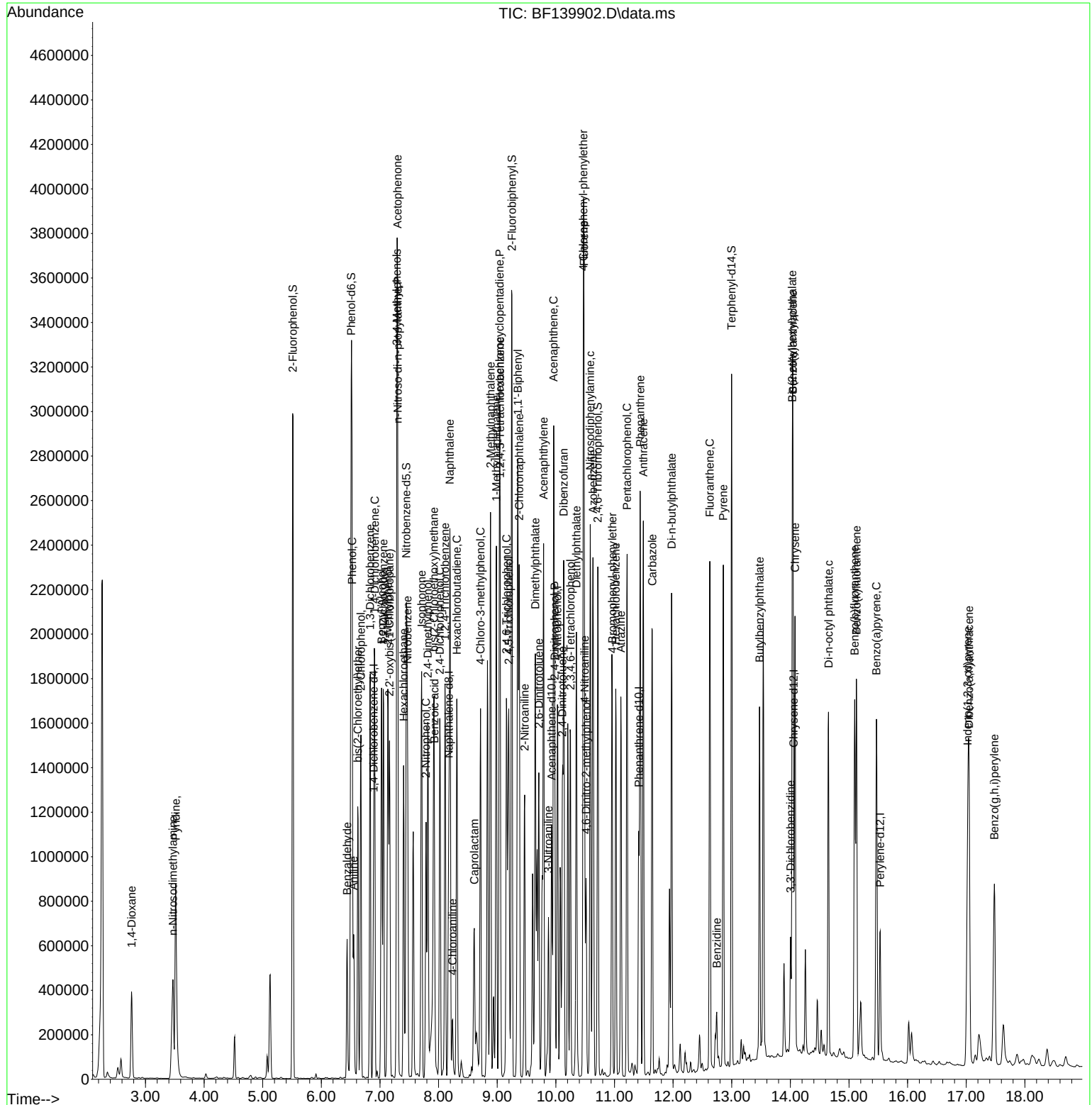

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Data File : BF139902.D  
Acq On    : 21 Oct 2024  14:47  
Operator  : RC/JU  
Sample    : P4385-06MS  
Misc      :  
ALS Vial  : 12    Sample Multiplier: 1
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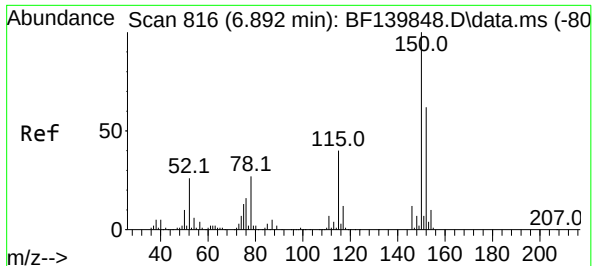
Instrument :
BNA_F
ClientSampleId :
SP-3MS

Manual Integrations

Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024

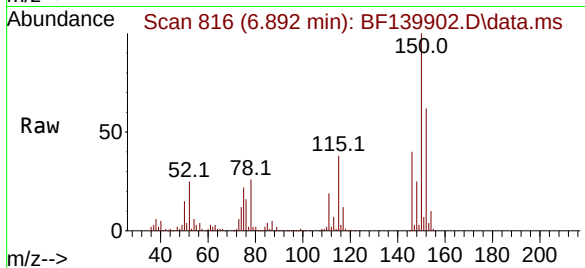
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 816
Delta R.T. 0.000 min
Lab File: BF139902.D
Acq: 21 Oct 2024 14:47

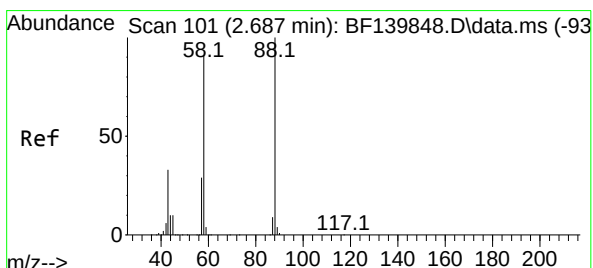
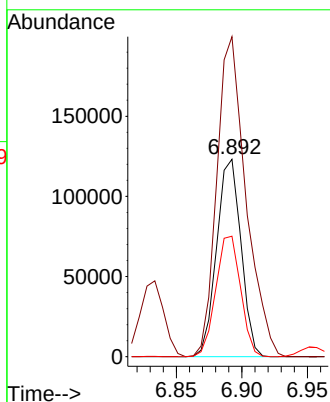
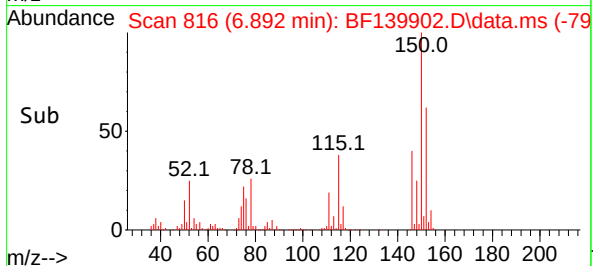
Instrument :
BNA_F
ClientSampleId :
SP-3MS



Tgt Ion:152 Resp: 15911
Ion Ratio Lower Upper
152 100
150 162.1 130.2 195.2
115 61.0 51.4 77.2

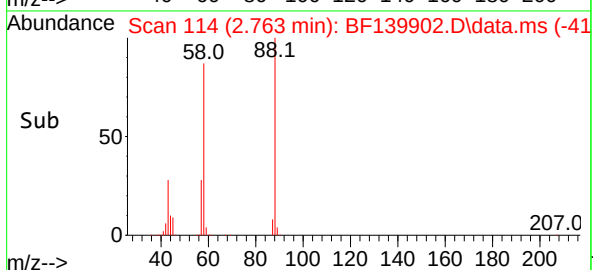
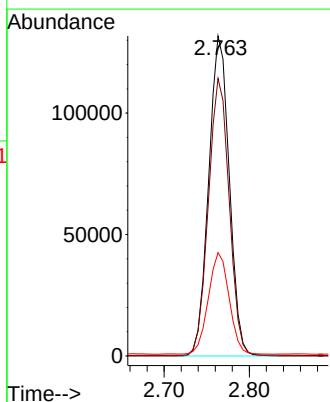
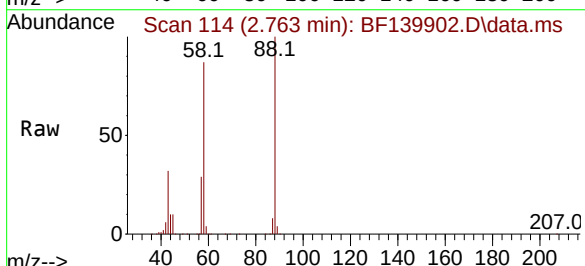
Manual Integrations
APPROVED

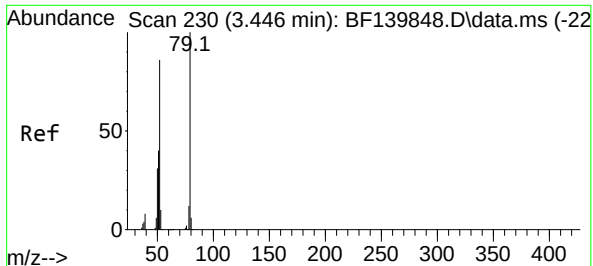
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



#2
1,4-Dioxane
Concen: 46.729 ng
RT: 2.763 min Scan# 114
Delta R.T. 0.076 min
Lab File: BF139902.D
Acq: 21 Oct 2024 14:47

Tgt Ion: 88 Resp: 221440
Ion Ratio Lower Upper
88 100
58 87.7 73.3 109.9
43 32.0 27.1 40.7





#3

Pyridine

Concen: 47.782 ng

RT: 3.516 min Scan# 242

Delta R.T. 0.071 min

Lab File: BF139902.D

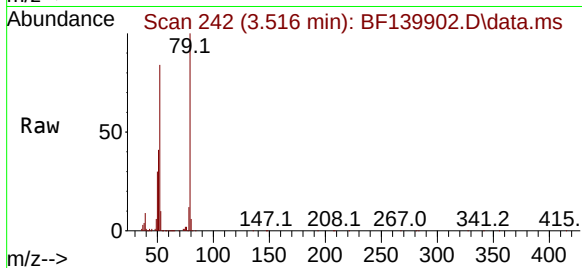
Acq: 21 Oct 2024 14:47

Instrument :

BNA_F

ClientSampleId :

SP-3MS



Tgt Ion: 79 Resp: 561250

Ion Ratio Lower Upper

79 100

52 83.5 68.5 102.7

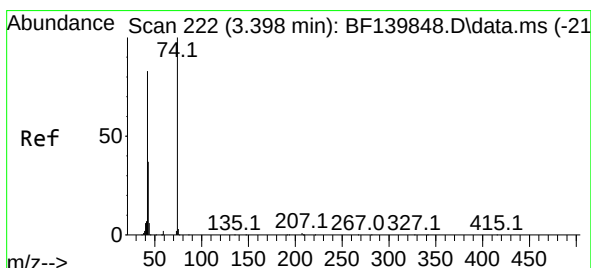
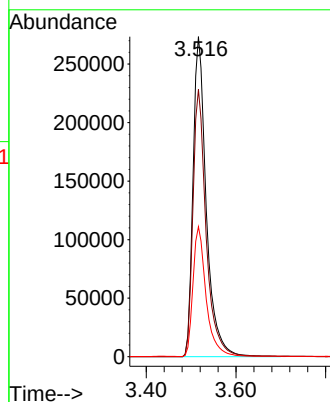
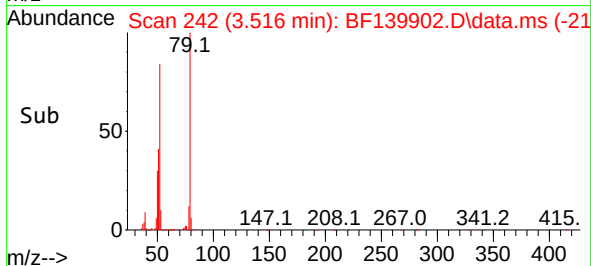
51 40.6 32.3 48.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/23/2024



#4

n-Nitrosodimethylamine

Concen: 50.478 ng

RT: 3.469 min Scan# 234

Delta R.T. 0.071 min

Lab File: BF139902.D

Acq: 21 Oct 2024 14:47

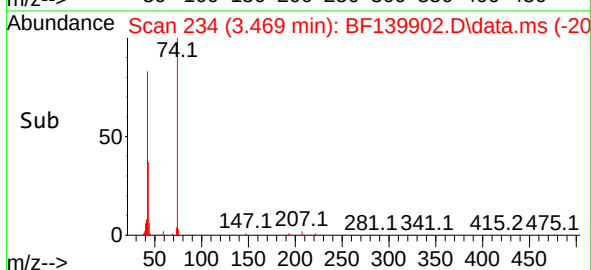
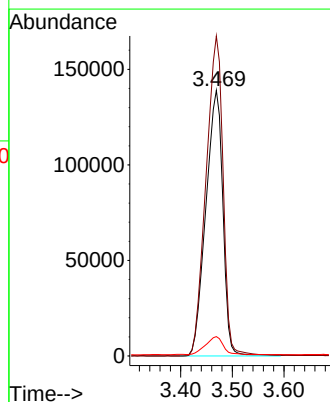
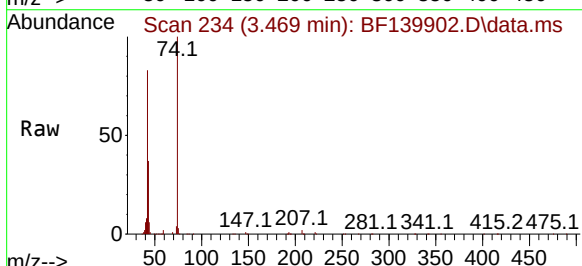
Tgt Ion: 42 Resp: 318557

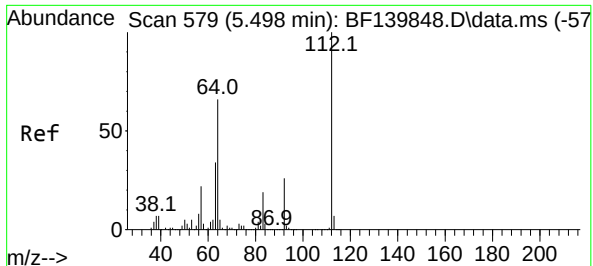
Ion Ratio Lower Upper

42 100

74 120.5 96.2 144.4

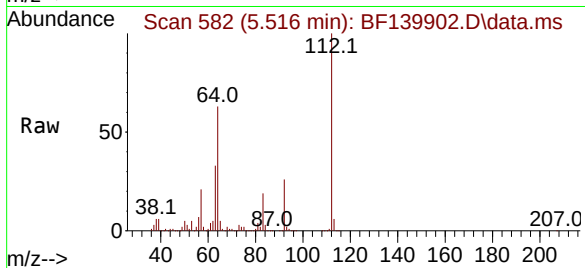
44 7.3 6.2 9.2





#5
2-Fluorophenol
Concen: 115.240 ng
RT: 5.516 min Scan# 511
Delta R.T. 0.018 min
Lab File: BF139902.D
Acq: 21 Oct 2024 14:47

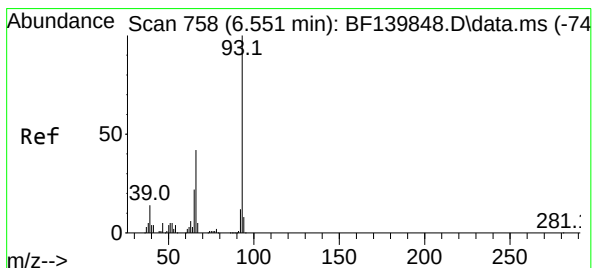
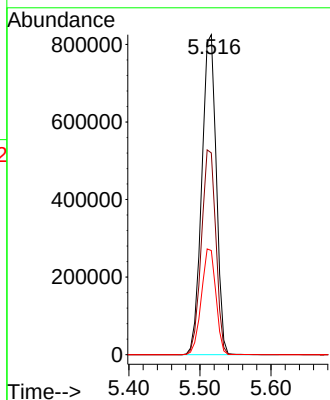
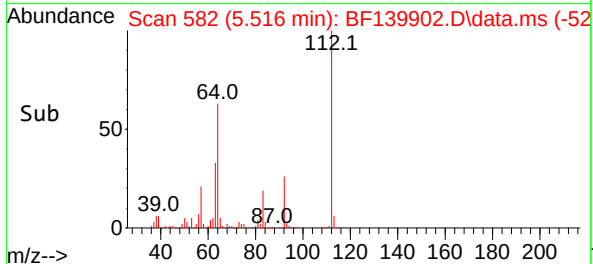
Instrument :
BNA_F
ClientSampleId :
SP-3MS



Tgt Ion:112 Resp: 117125
Ion Ratio Lower Upper
112 100
64 63.0 53.0 79.6
63 32.5 27.0 40.4

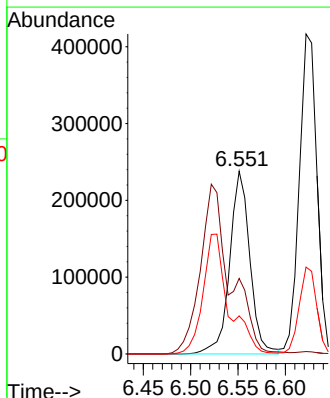
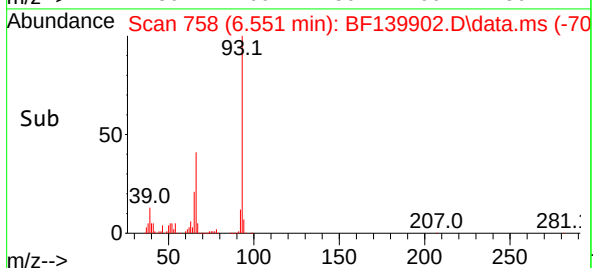
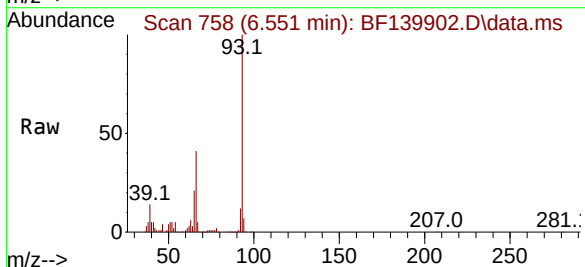
Manual Integrations
APPROVED

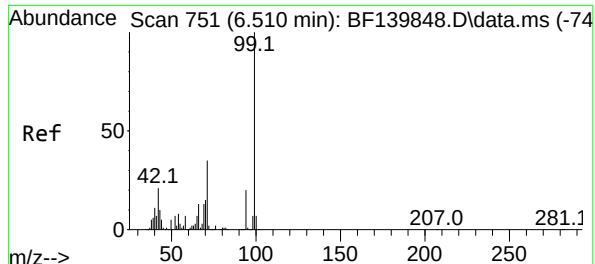
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



#6
Aniline
Concen: 28.743 ng
RT: 6.551 min Scan# 758
Delta R.T. 0.000 min
Lab File: BF139902.D
Acq: 21 Oct 2024 14:47

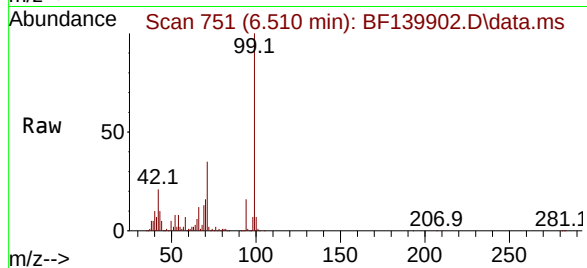
Tgt Ion: 93 Resp: 352627
Ion Ratio Lower Upper
93 100
66 41.4 34.0 51.0
65 20.8 17.4 26.0





#7
Phenol-d6
Concen: 113.195 ng
RT: 6.510 min Scan# 751
Delta R.T. 0.000 min
Lab File: BF139902.D
Acq: 21 Oct 2024 14:47

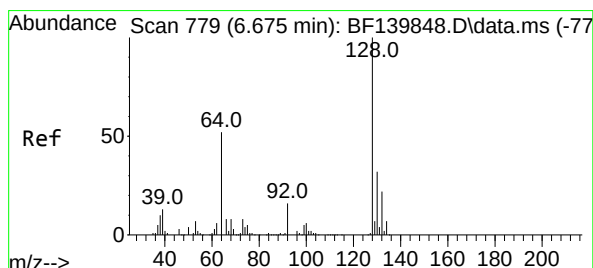
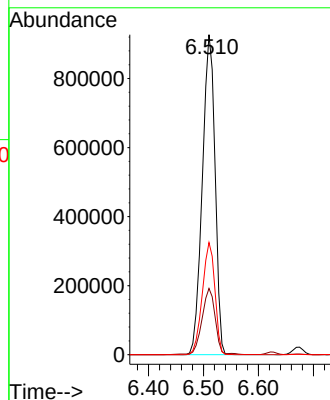
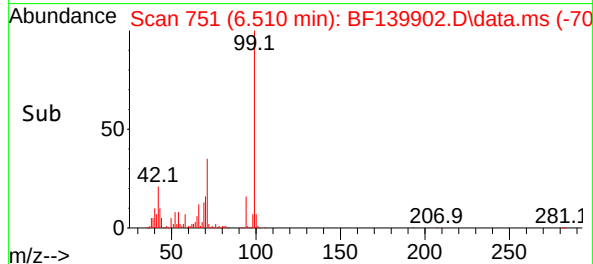
Instrument :
BNA_F
ClientSampleId :
SP-3MS



Tgt Ion: 99 Resp: 149004
Ion Ratio Lower Upper
99 100
42 20.7 16.7 25.1
71 35.1 27.7 41.5

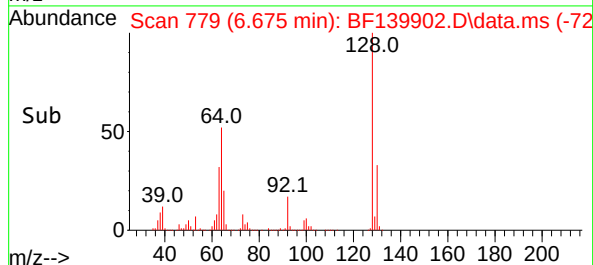
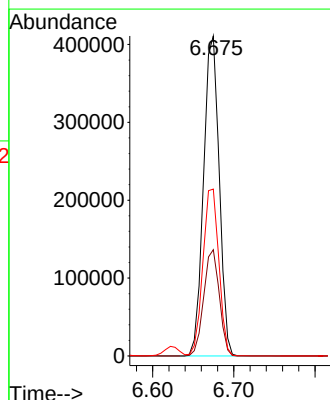
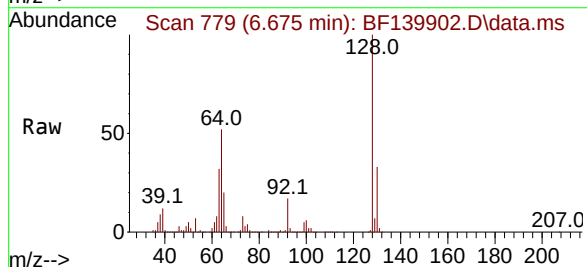
Manual Integrations
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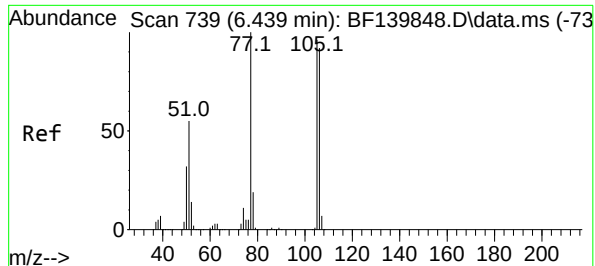
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



#8
2-Chlorophenol
Concen: 52.924 ng
RT: 6.675 min Scan# 779
Delta R.T. 0.000 min
Lab File: BF139902.D
Acq: 21 Oct 2024 14:47

Tgt Ion:128 Resp: 549901
Ion Ratio Lower Upper
128 100
130 33.2 12.3 52.3
64 52.1 34.6 74.6





#9

Benzaldehyde

Concen: 21.581 ng

RT: 6.439 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF139902.D

Acq: 21 Oct 2024 14:47

Instrument :

BNA_F

ClientSampleId :

SP-3MS

Tgt Ion: 77 Resp: 159810

Ion Ratio Lower Upper

77 100

105 97.4 75.5 115.5

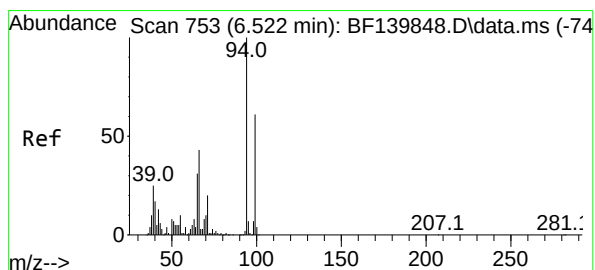
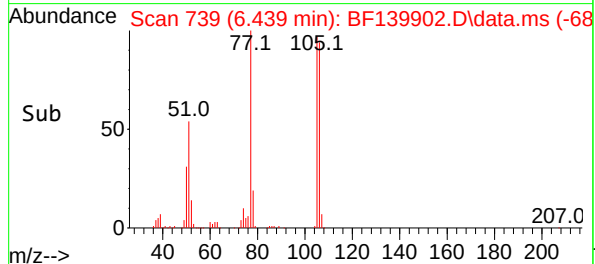
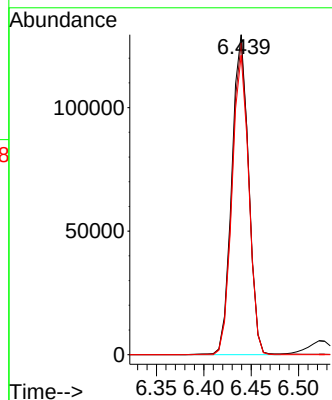
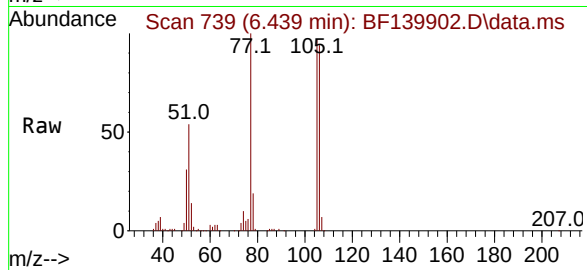
106 93.5 71.7 111.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/23/2024



#10

Phenol

Concen: 52.596 ng m

RT: 6.528 min Scan# 754

Delta R.T. 0.006 min

Lab File: BF139902.D

Acq: 21 Oct 2024 14:47

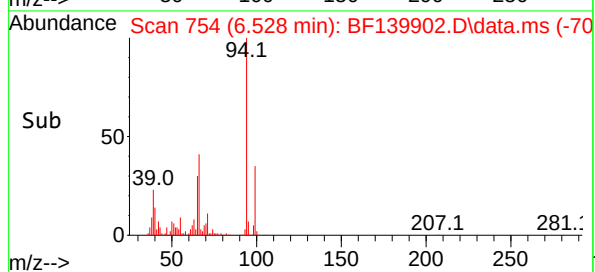
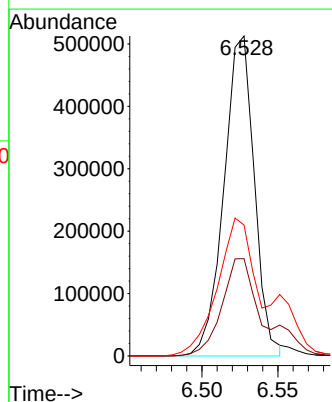
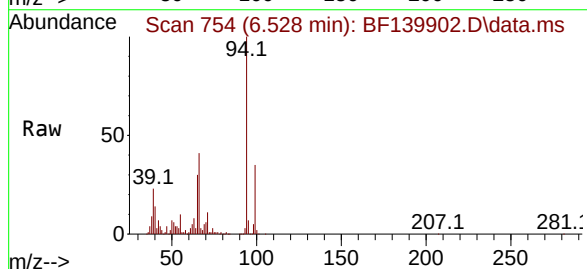
Tgt Ion: 94 Resp: 713784

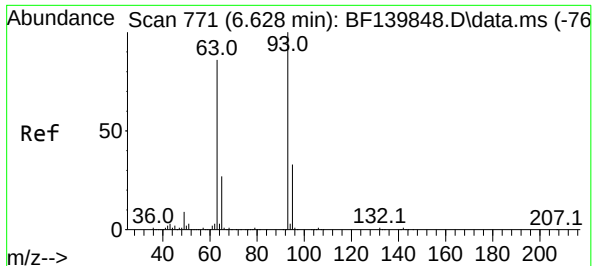
Ion Ratio Lower Upper

94 100

65 30.4 11.1 51.1

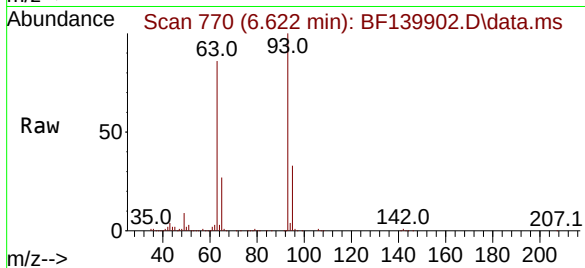
66 40.9 22.7 62.7





#11
bis(2-Chloroethyl)ether
Concen: 51.368 ng
RT: 6.622 min Scan# 771
Delta R.T. -0.006 min
Lab File: BF139902.D
Acq: 21 Oct 2024 14:47

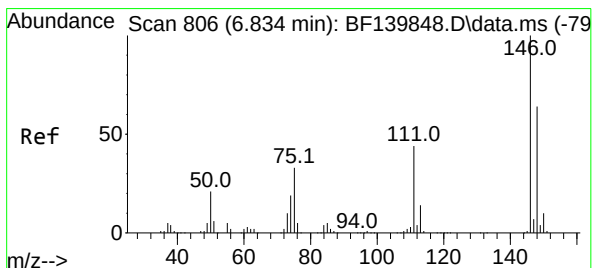
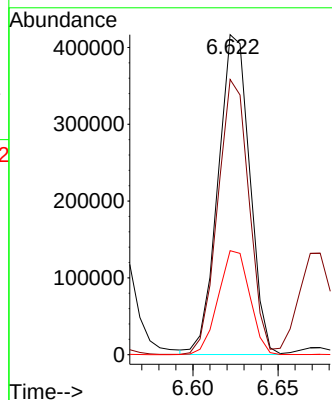
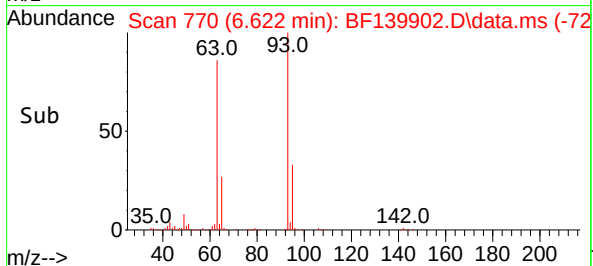
Instrument :
BNA_F
ClientSampleId :
SP-3MS



Tgt Ion: 93 Resp: 538820
Ion Ratio Lower Upper
93 100
63 86.0 65.0 105.0
95 32.5 12.4 52.4

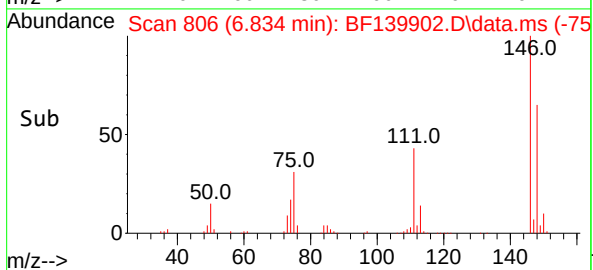
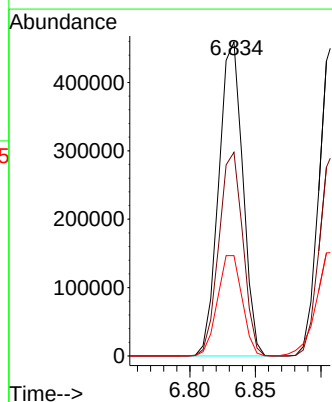
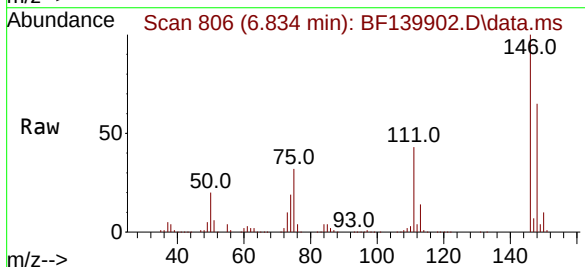
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APPROVED

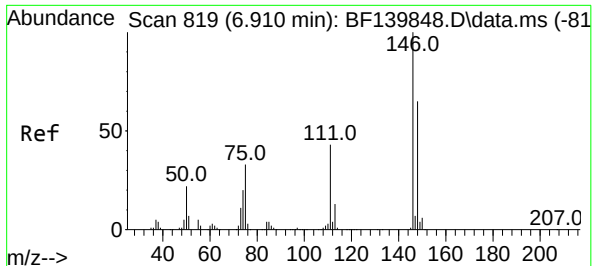
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



#12
1,3-Dichlorobenzene
Concen: 49.144 ng
RT: 6.834 min Scan# 806
Delta R.T. 0.000 min
Lab File: BF139902.D
Acq: 21 Oct 2024 14:47

Tgt Ion:146 Resp: 586155
Ion Ratio Lower Upper
146 100
148 64.9 51.0 76.4
75 31.9 26.4 39.6





#13

1,4-Dichlorobenzene

Concen: 49.620 ng

RT: 6.910 min Scan# 819

Delta R.T. 0.000 min

Lab File: BF139902.D

Acq: 21 Oct 2024 14:47

Instrument :

BNA_F

ClientSampleId :

SP-3MS

Tgt Ion:146 Resp: 59128

Ion Ratio Lower Upper

146 100

148 64.5 51.8 77.8

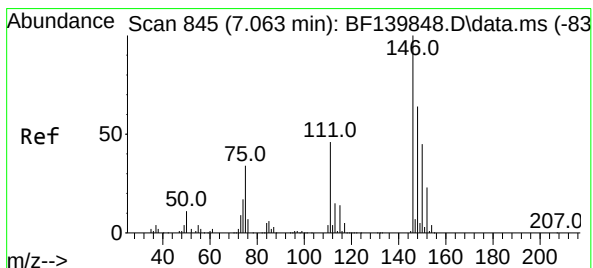
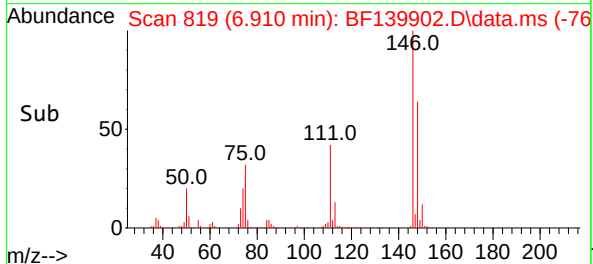
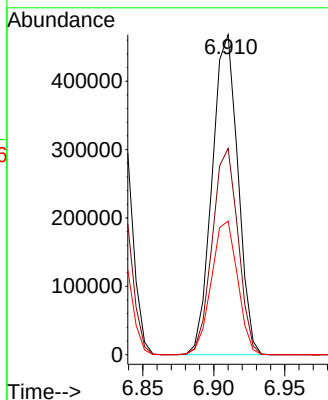
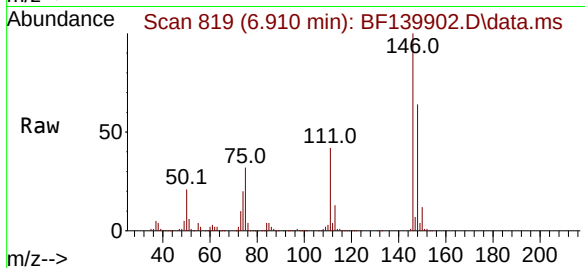
111 41.8 34.6 51.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/23/2024



#14

1,2-Dichlorobenzene

Concen: 50.686 ng

RT: 7.057 min Scan# 844

Delta R.T. -0.006 min

Lab File: BF139902.D

Acq: 21 Oct 2024 14:47

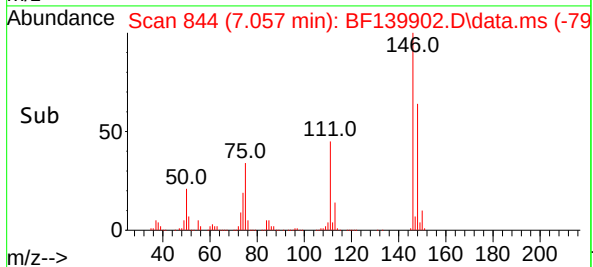
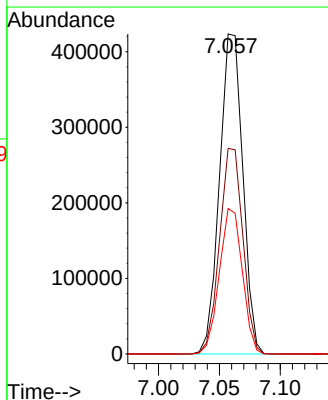
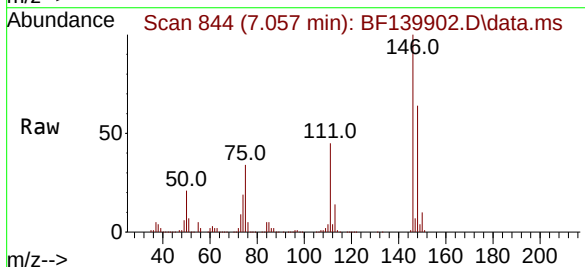
Tgt Ion:146 Resp: 563692

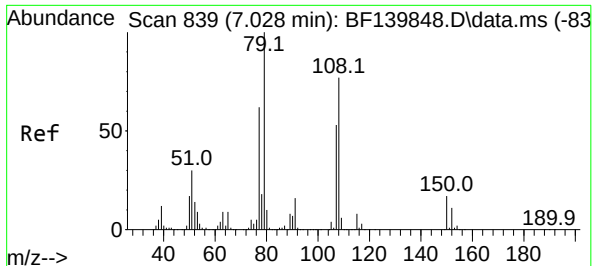
Ion Ratio Lower Upper

146 100

148 64.2 51.4 77.2

111 45.5 36.7 55.1





#15

Benzyl Alcohol

Concen: 53.339 ng

RT: 7.028 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF139902.D

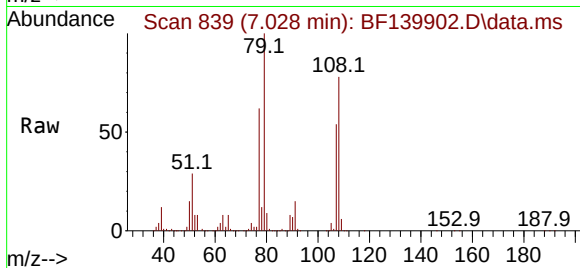
Acq: 21 Oct 2024 14:47

Instrument :

BNA_F

ClientSampleId :

SP-3MS



Tgt Ion: 79 Resp: 515039

Ion Ratio Lower Upper

79 100

108 78.0 61.4 92.0

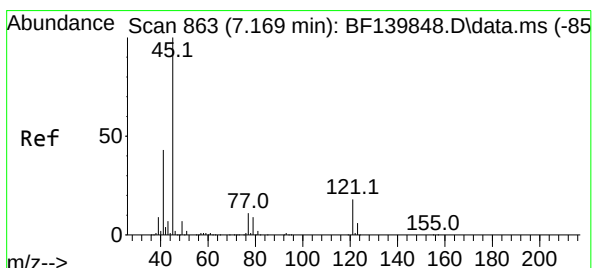
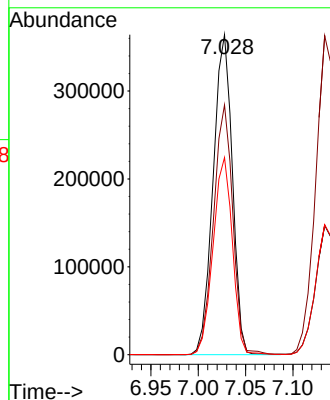
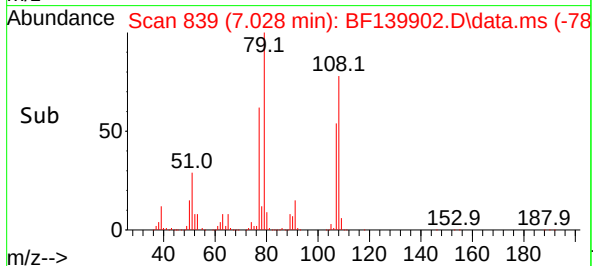
77 61.6 49.9 74.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/23/2024



#16

2,2'-oxybis(1-Chloropropane)

Concen: 51.377 ng

RT: 7.163 min Scan# 862

Delta R.T. -0.006 min

Lab File: BF139902.D

Acq: 21 Oct 2024 14:47

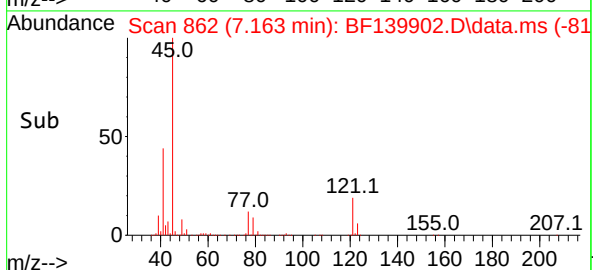
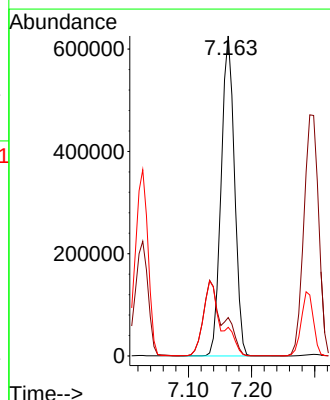
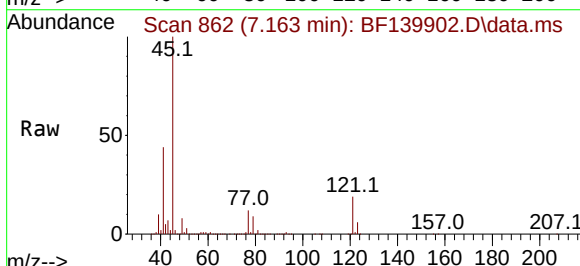
Tgt Ion: 45 Resp: 918919

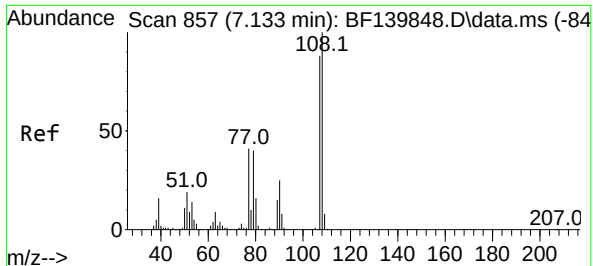
Ion Ratio Lower Upper

45 100

77 12.0 0.0 31.5

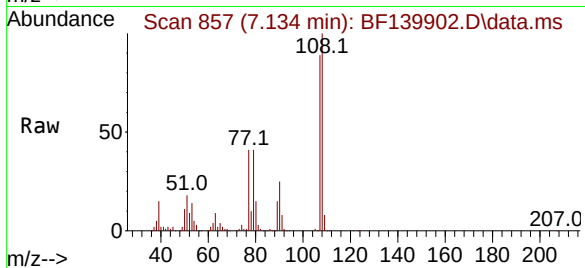
79 8.9 0.0 29.1





#17
2-Methylphenol
Concen: 52.384 ng
RT: 7.134 min Scan# 857
Delta R.T. 0.000 min
Lab File: BF139902.D
Acq: 21 Oct 2024 14:47

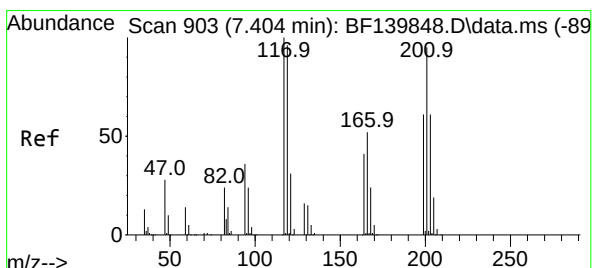
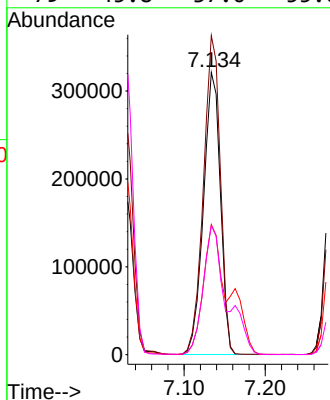
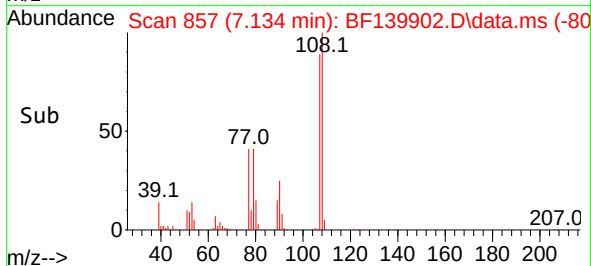
Instrument :
BNA_F
ClientSampleId :
SP-3MS



Tgt Ion:107 Resp: 464117
Ion Ratio Lower Upper
107 100
108 113.0 91.3 136.9
77 46.1 37.1 55.7
79 45.8 37.0 55.6

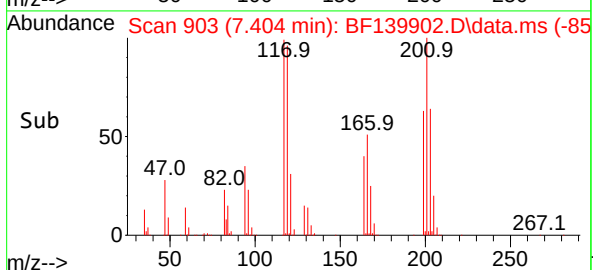
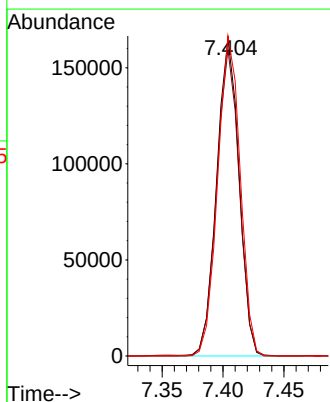
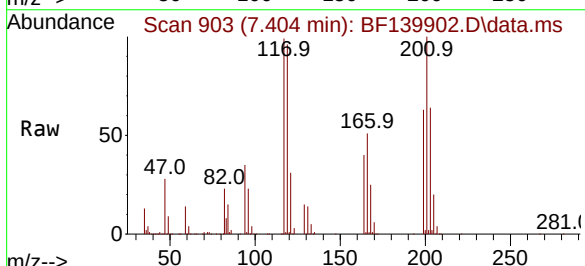
Manual Integrations
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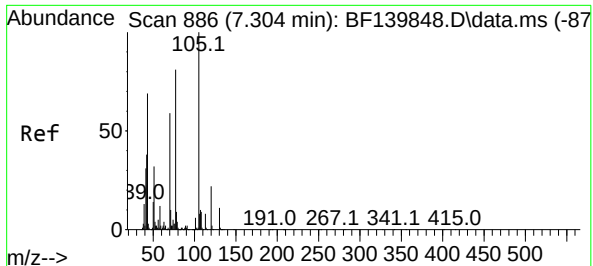
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



#18
Hexachloroethane
Concen: 49.700 ng
RT: 7.404 min Scan# 903
Delta R.T. 0.000 min
Lab File: BF139902.D
Acq: 21 Oct 2024 14:47

Tgt Ion:117 Resp: 211189
Ion Ratio Lower Upper
117 100
119 96.5 77.0 115.4
201 100.8 76.2 114.4





#19

n-Nitroso-di-n-propylamine

Concen: 50.493 ng

RT: 7.304 min Scan# 886

Delta R.T. 0.000 min

Lab File: BF139902.D

Acq: 21 Oct 2024 14:47

Instrument :

BNA_F

ClientSampleId :

SP-3MS

Tgt Ion: 70 Resp: 40312

Ion Ratio Lower Upper

70 100

42 62.2 51.5 77.3

101 9.5 7.5 11.3

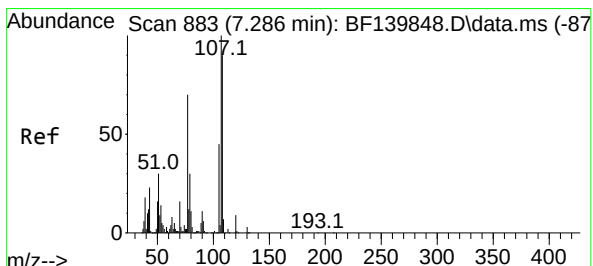
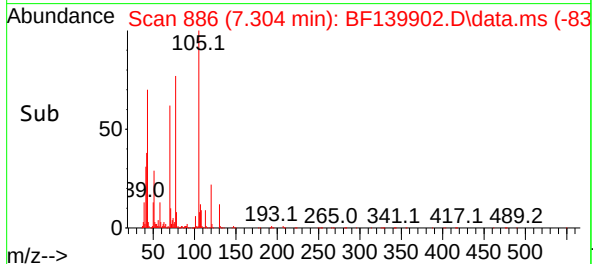
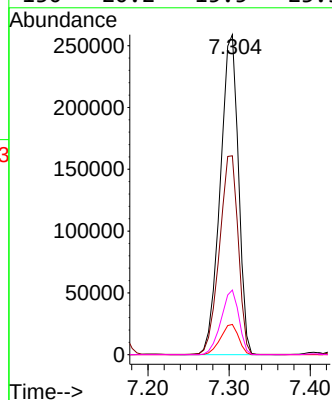
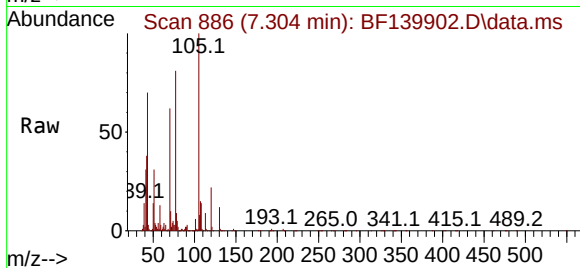
130 20.2 15.5 23.3

Manual Integrations

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Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/23/2024



#20

3+4-Methylphenols

Concen: 49.785 ng

RT: 7.286 min Scan# 883

Delta R.T. 0.000 min

Lab File: BF139902.D

Acq: 21 Oct 2024 14:47

Tgt Ion:107 Resp: 564183

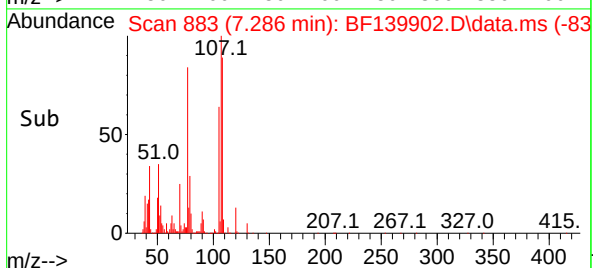
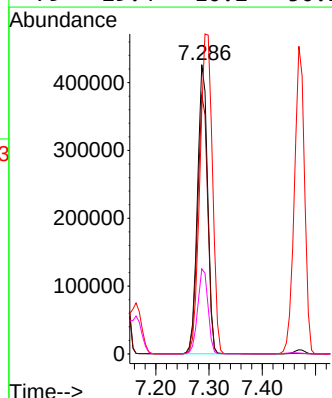
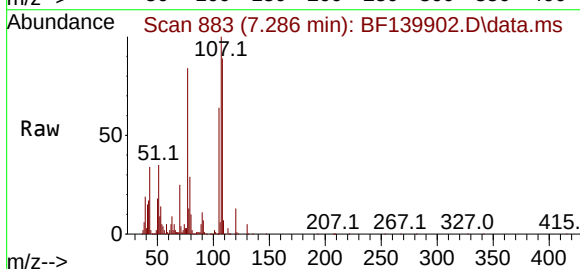
Ion Ratio Lower Upper

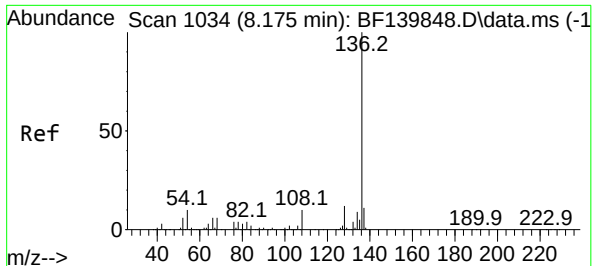
107 100

108 89.4 69.8 109.8

77 84.3 50.5 90.5

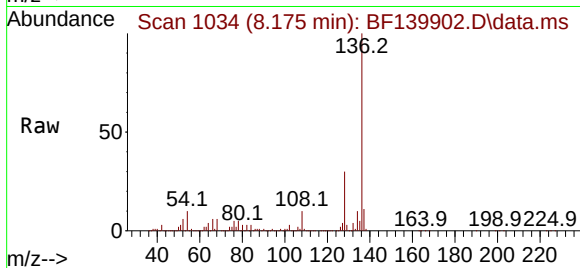
79 29.4 10.2 50.2





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1034
Delta R.T. 0.000 min
Lab File: BF139902.D
Acq: 21 Oct 2024 14:47

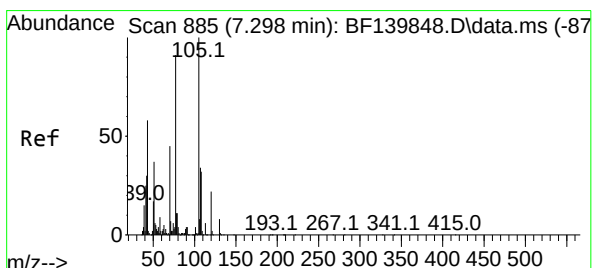
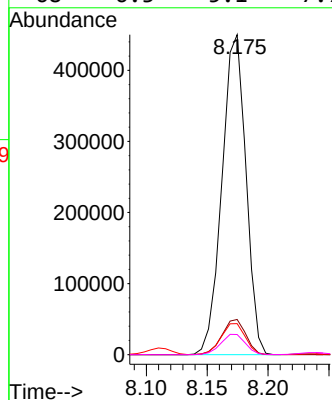
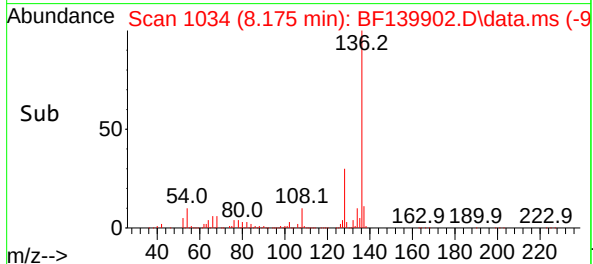
Instrument :
BNA_F
ClientSampleId :
SP-3MS



Tgt Ion:136 Resp: 61778
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 9.7 8.4 12.6
68 6.3 5.1 7.7

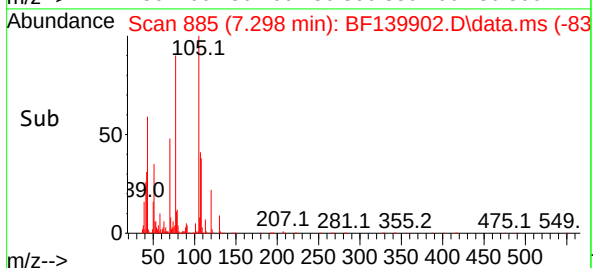
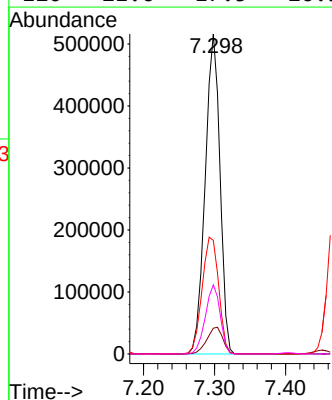
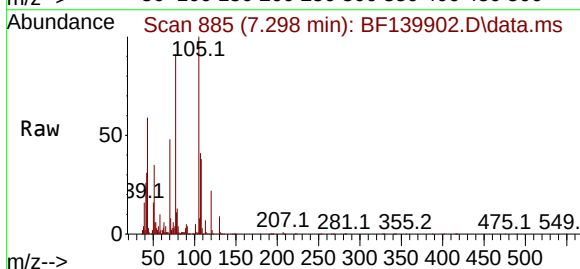
Manual Integrations
APPROVED

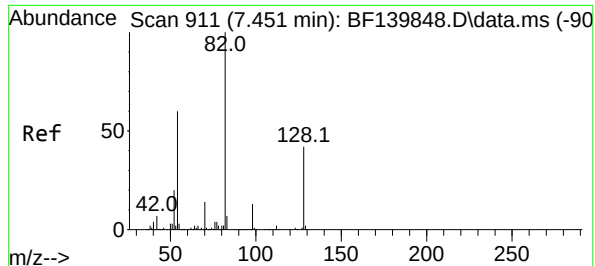
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



#22
Acetophenone
Concen: 49.464 ng
RT: 7.298 min Scan# 885
Delta R.T. 0.000 min
Lab File: BF139902.D
Acq: 21 Oct 2024 14:47

Tgt Ion:105 Resp: 748474
Ion Ratio Lower Upper
105 100
71 8.1 5.9 8.9
51 35.5 29.4 44.2
120 21.6 17.5 26.3





#23

Nitrobenzene-d5

Concen: 86.075 ng

RT: 7.451 min Scan# 911

Delta R.T. 0.000 min

Lab File: BF139902.D

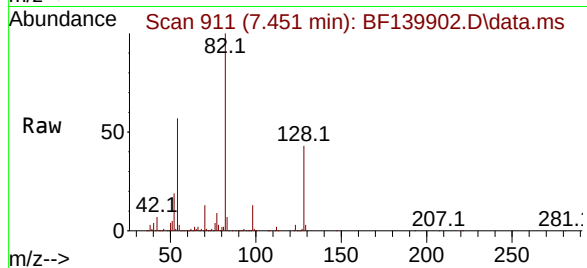
Acq: 21 Oct 2024 14:47

Instrument :

BNA_F

ClientSampleId :

SP-3MS



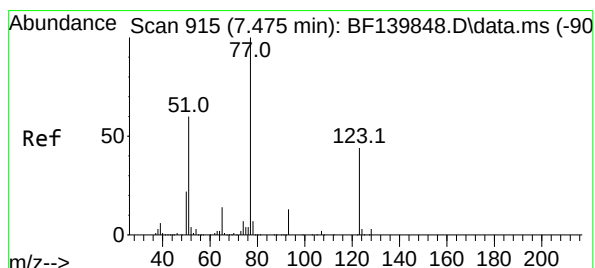
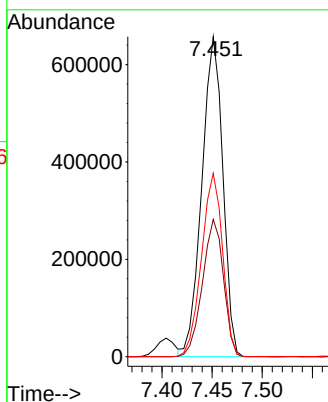
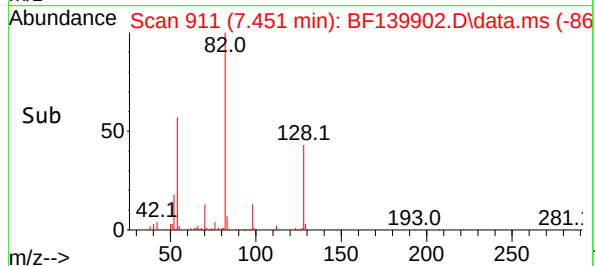
Tgt Ion:	82	Resp:	95944
Ion	Ratio	Lower	Upper
82	100		
128	42.9	33.4	50.0
54	57.3	47.8	71.8

Manual Integrations

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Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/23/2024



#24

Nitrobenzene

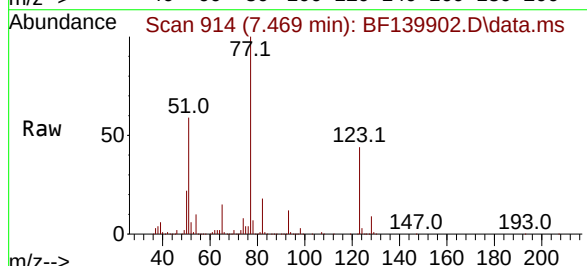
Concen: 49.152 ng

RT: 7.469 min Scan# 914

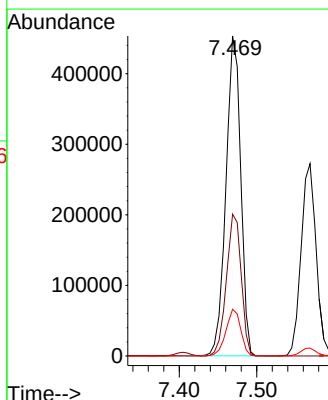
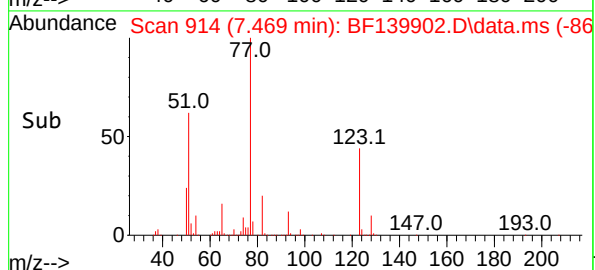
Delta R.T. -0.006 min

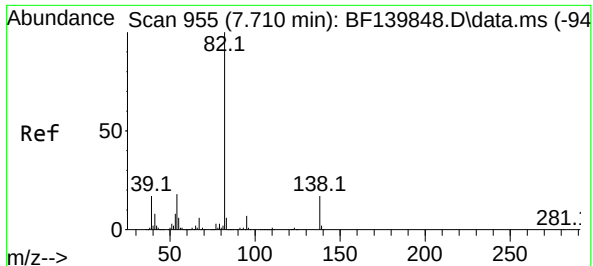
Lab File: BF139902.D

Acq: 21 Oct 2024 14:47



Tgt Ion:	77	Resp:	600690
Ion	Ratio	Lower	Upper
77	100		
123	44.3	35.7	53.5
65	14.6	11.5	17.3





#25

Isophorone

Concen: 51.275 ng

RT: 7.710 min Scan# 955

Delta R.T. 0.000 min

Lab File: BF139902.D

Acq: 21 Oct 2024 14:47

Instrument :

BNA_F

ClientSampleId :

SP-3MS

Tgt Ion: 82 Resp: 108479

Ion Ratio Lower Upper

82 100

95 7.1 5.5 8.3

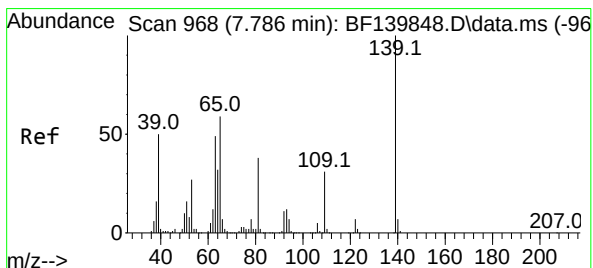
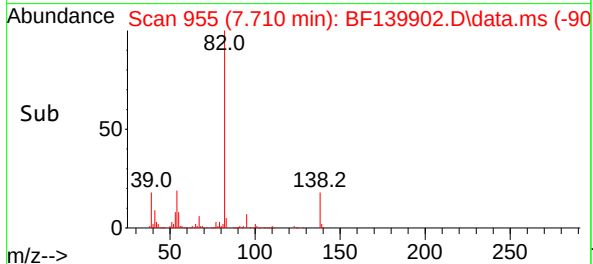
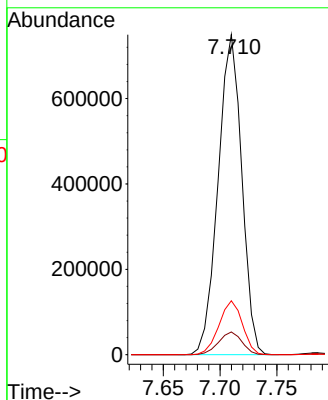
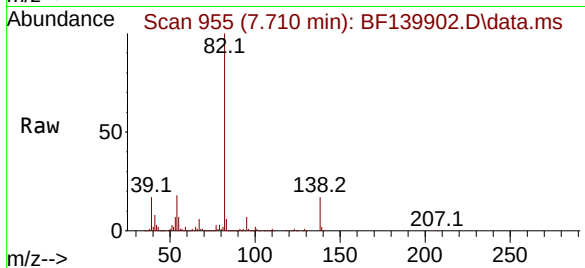
138 16.9 13.2 19.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/23/2024



#26

2-Nitrophenol

Concen: 59.483 ng

RT: 7.786 min Scan# 968

Delta R.T. 0.000 min

Lab File: BF139902.D

Acq: 21 Oct 2024 14:47

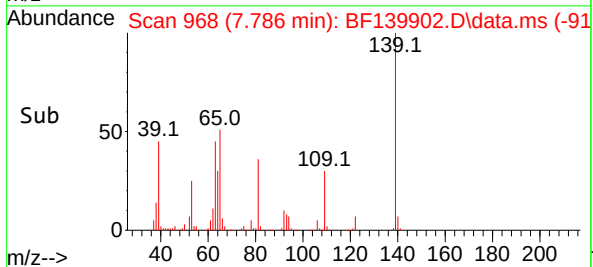
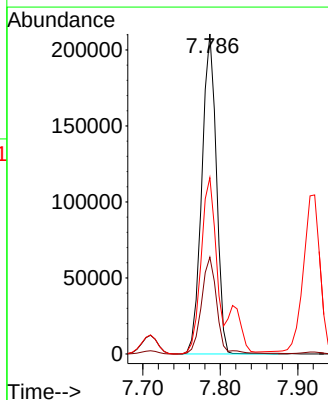
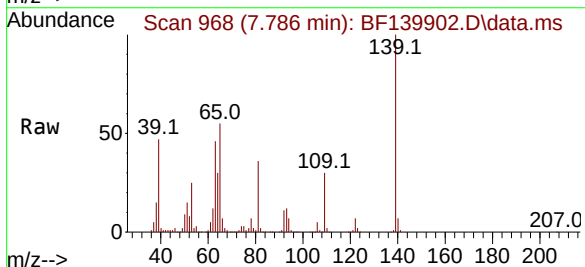
Tgt Ion:139 Resp: 274244

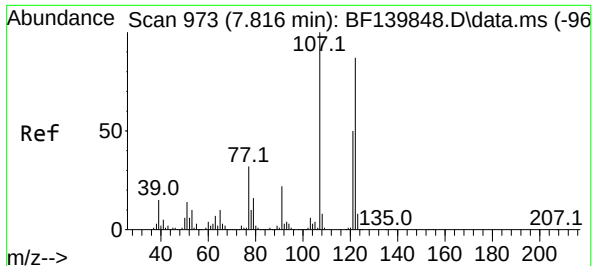
Ion Ratio Lower Upper

139 100

109 30.2 25.1 37.7

65 55.1 47.5 71.3





#27

2,4-Dimethylphenol

Concen: 57.644 ng

RT: 7.816 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF139902.D

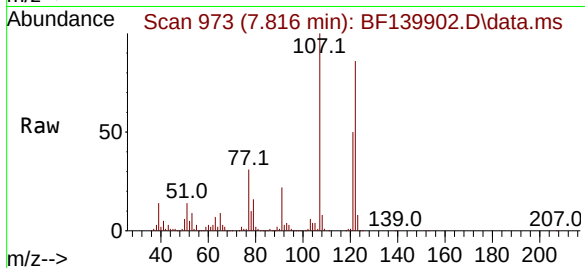
Acq: 21 Oct 2024 14:47

Instrument :

BNA_F

ClientSampleId :

SP-3MS



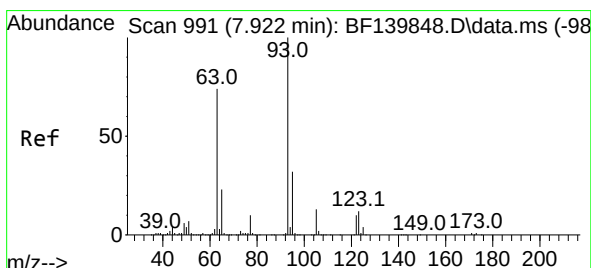
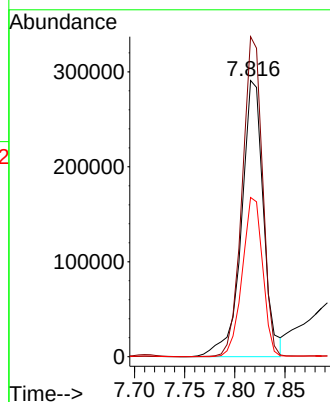
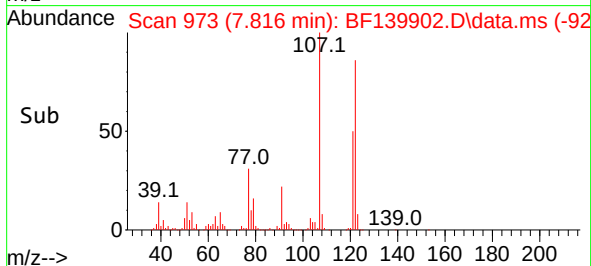
Tgt Ion:	122	Resp:	443149
Ion Ratio	Lower	Upper	
122	100		
107	115.9	91.9	137.9
121	57.6	46.2	69.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/23/2024



#28

bis(2-Chloroethoxy)methane

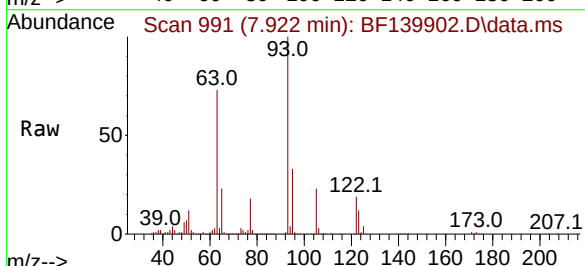
Concen: 50.270 ng

RT: 7.922 min Scan# 991

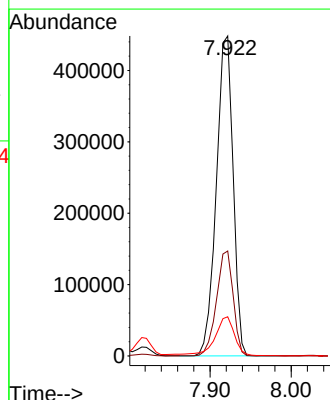
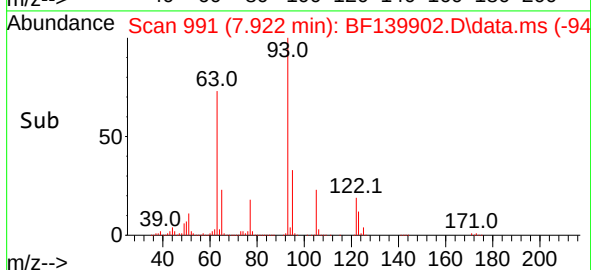
Delta R.T. 0.000 min

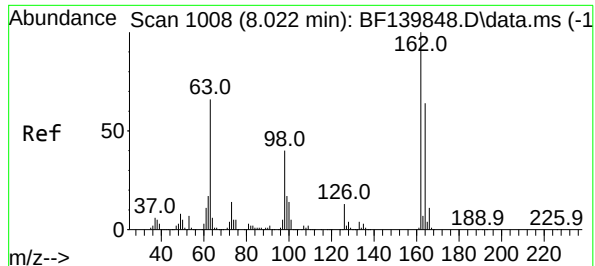
Lab File: BF139902.D

Acq: 21 Oct 2024 14:47



Tgt Ion:	93	Resp:	644352
Ion Ratio	Lower	Upper	
93	100		
95	32.8	26.0	39.0
123	12.2	9.8	14.8





#29

2,4-Dichlorophenol

Concen: 51.454 ng

RT: 8.022 min Scan# 1008

Delta R.T. 0.000 min

Lab File: BF139902.D

Acq: 21 Oct 2024 14:47

Instrument :

BNA_F

ClientSampleId :

SP-3MS

Tgt Ion:162 Resp: 450559

Ion Ratio Lower Upper

162 100

164 64.0 43.9 83.9

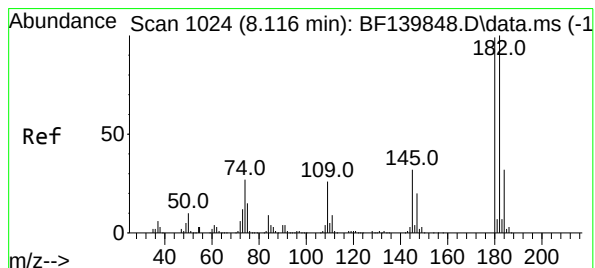
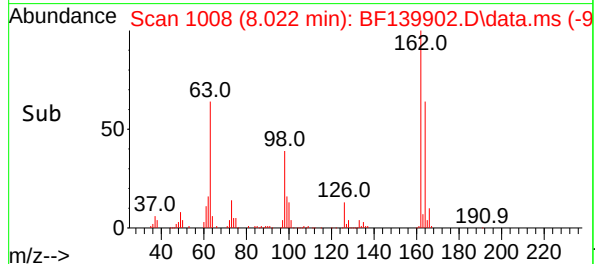
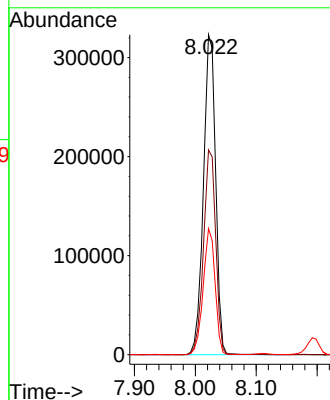
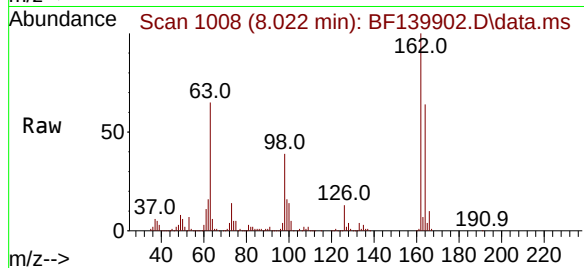
98 39.4 19.9 59.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/23/2024



#30

1,2,4-Trichlorobenzene

Concen: 48.926 ng

RT: 8.110 min Scan# 1023

Delta R.T. -0.006 min

Lab File: BF139902.D

Acq: 21 Oct 2024 14:47

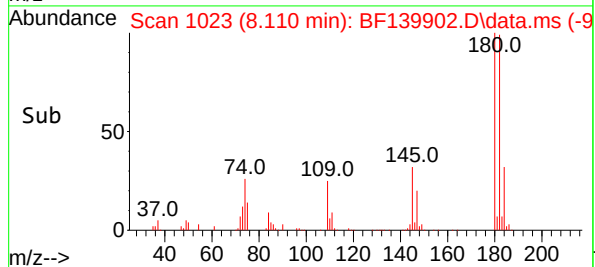
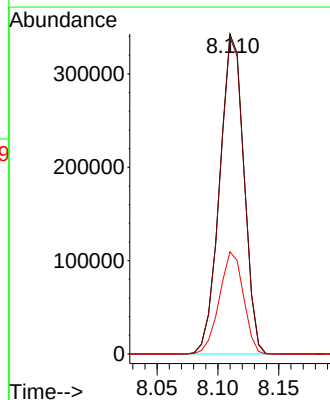
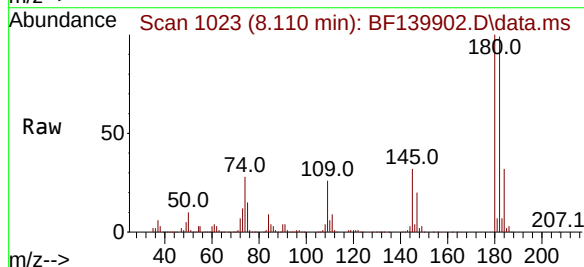
Tgt Ion:180 Resp: 474048

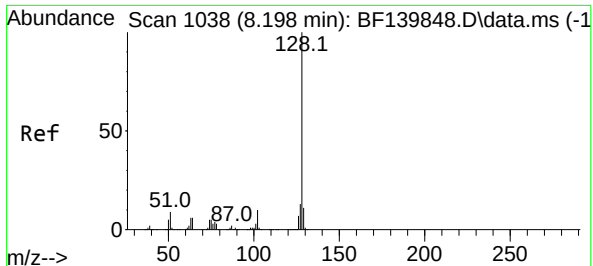
Ion Ratio Lower Upper

180 100

182 99.0 80.5 120.7

145 32.0 25.4 38.0





#31

Naphthalene

Concen: 49.408 ng

RT: 8.192 min Scan# 1037

Delta R.T. -0.006 min

Lab File: BF139902.D

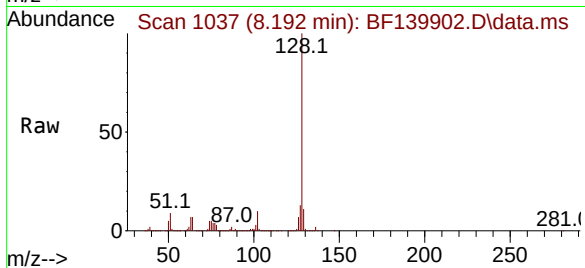
Acq: 21 Oct 2024 14:47

Instrument :

BNA_F

ClientSampleId :

SP-3MS



Tgt Ion:128 Resp: 157422

Ion Ratio Lower Upper

128 100

129 11.5 8.9 13.3

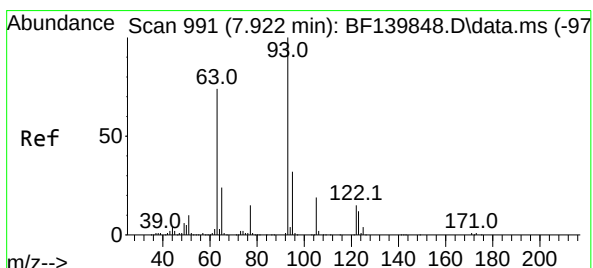
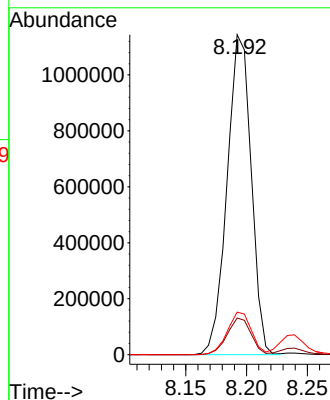
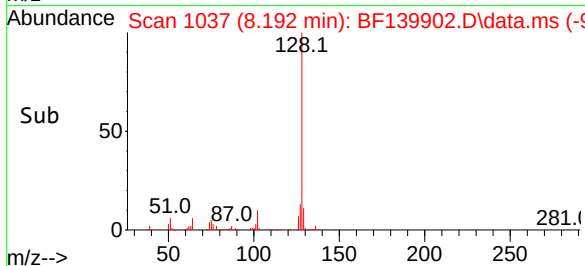
127 13.3 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/23/2024



#32

Benzoic acid

Concen: 51.330 ng

RT: 7.928 min Scan# 992

Delta R.T. 0.006 min

Lab File: BF139902.D

Acq: 21 Oct 2024 14:47

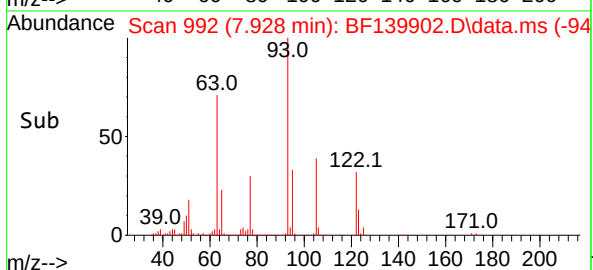
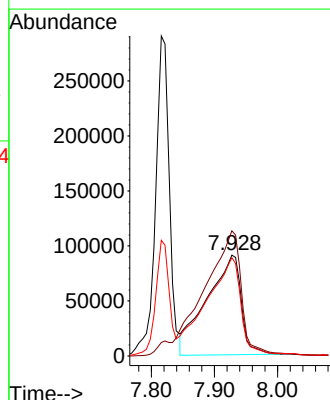
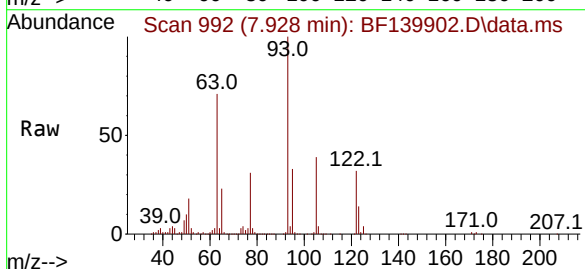
Tgt Ion:122 Resp: 344178

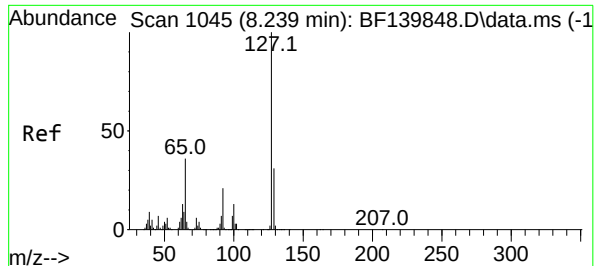
Ion Ratio Lower Upper

122 100

105 124.1 107.6 147.6

77 97.4 80.2 120.2





#33

4-Chloroaniline

Concen: 10.416 ng

RT: 8.239 min Scan# 1045

Delta R.T. 0.000 min

Lab File: BF139902.D

Acq: 21 Oct 2024 14:47

Instrument :

BNA_F

ClientSampleId :

SP-3MS

Tgt Ion:127 Resp: 113169

Ion Ratio Lower Upper

127 100

129 33.2 25.4 38.2

65 32.3 28.4 42.6

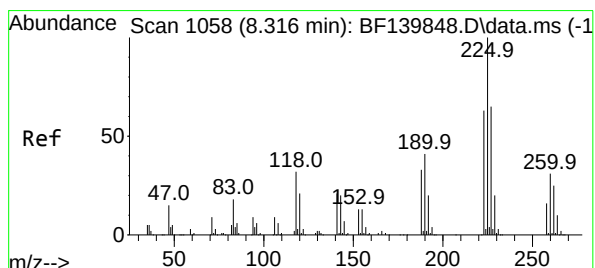
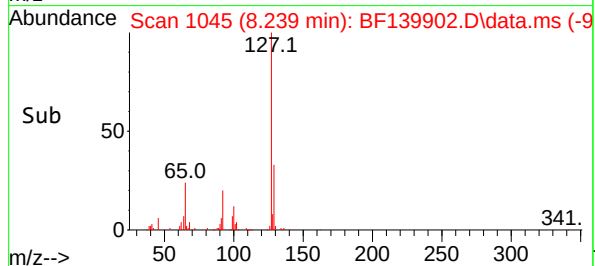
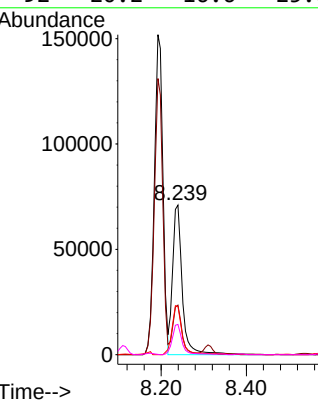
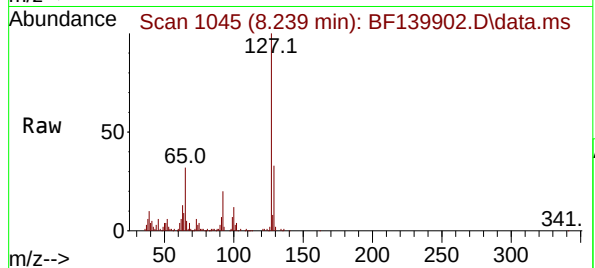
92 20.2 16.6 25.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/23/2024



#34

Hexachlorobutadiene

Concen: 49.130 ng

RT: 8.310 min Scan# 1057

Delta R.T. -0.006 min

Lab File: BF139902.D

Acq: 21 Oct 2024 14:47

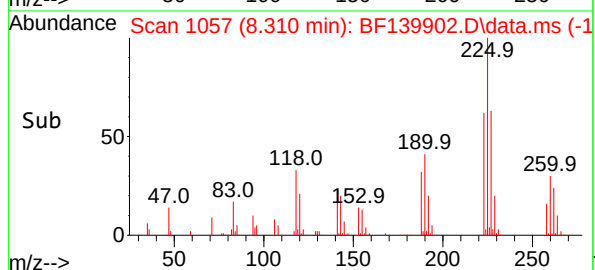
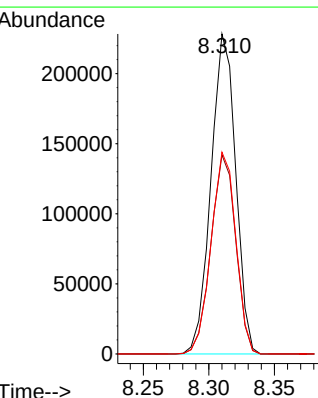
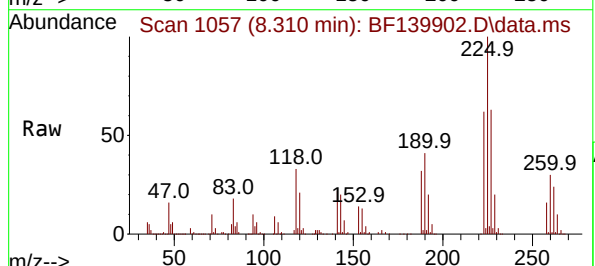
Tgt Ion:225 Resp: 299094

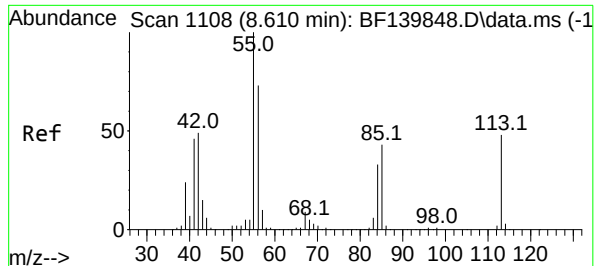
Ion Ratio Lower Upper

225 100

223 62.2 50.6 76.0

227 63.1 51.8 77.8





#35

Caprolactam

Concen: 53.118 ng m

RT: 8.610 min Scan# 1108

Delta R.T. 0.000 min

Lab File: BF139902.D

Acq: 21 Oct 2024 14:47

Instrument :

BNA_F

ClientSampleId :

SP-3MS

Tgt Ion:113 Resp: 147894

Ion Ratio Lower Upper

113 100

55 197.5 189.2 229.2

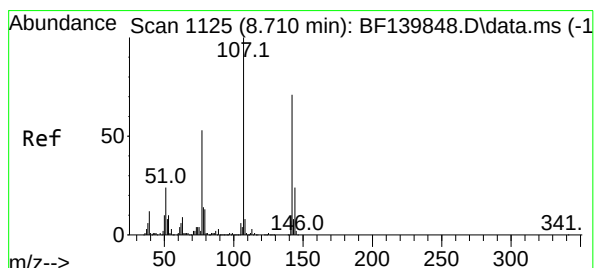
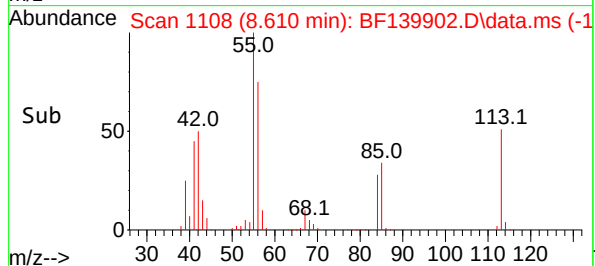
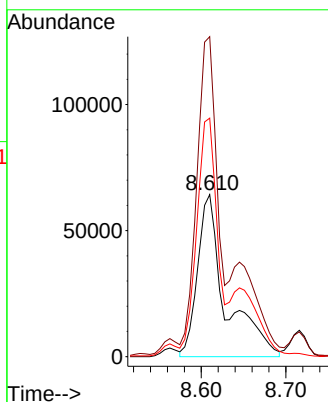
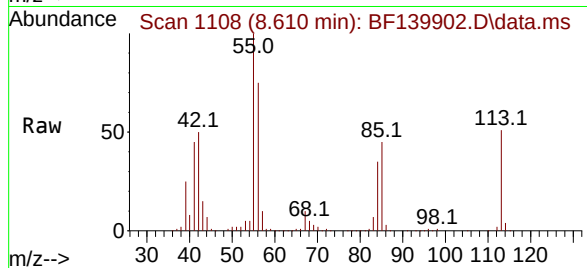
56 147.2 132.5 172.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/23/2024



#36

4-Chloro-3-methylphenol

Concen: 50.442 ng

RT: 8.716 min Scan# 1126

Delta R.T. 0.006 min

Lab File: BF139902.D

Acq: 21 Oct 2024 14:47

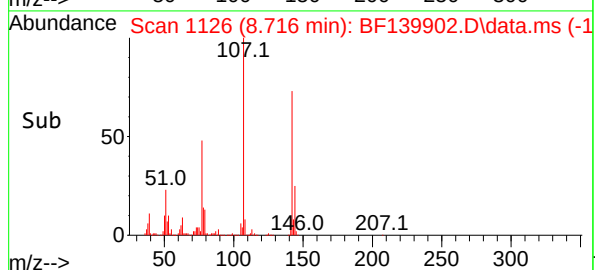
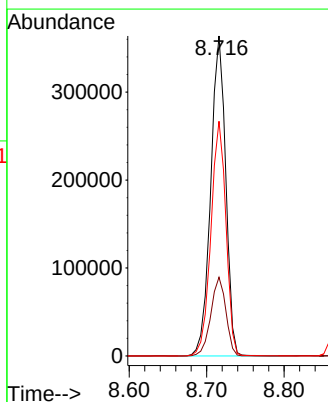
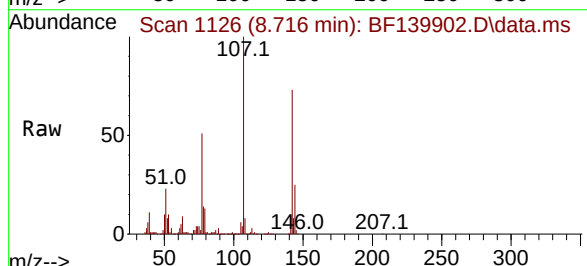
Tgt Ion:107 Resp: 489084

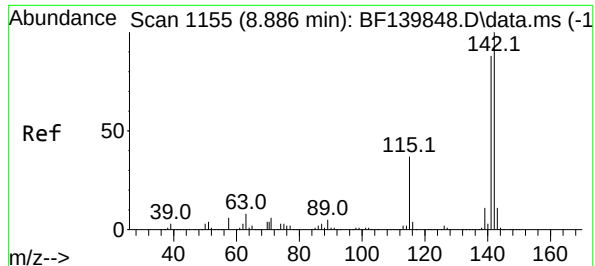
Ion Ratio Lower Upper

107 100

144 24.6 19.1 28.7

142 73.4 57.2 85.8





#37

2-Methylnaphthalene

Concen: 50.932 ng

RT: 8.886 min Scan# 1155

Delta R.T. 0.000 min

Lab File: BF139902.D

Acq: 21 Oct 2024 14:47

Instrument :

BNA_F

ClientSampleId :

SP-3MS

Tgt Ion:142 Resp: 993862

Ion Ratio Lower Upper

142 100

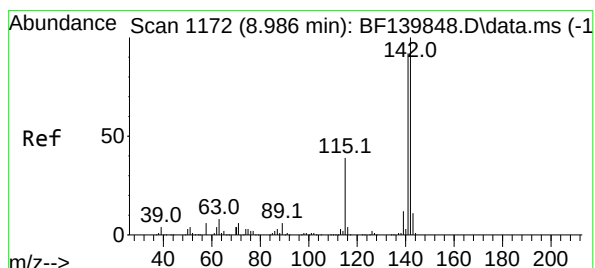
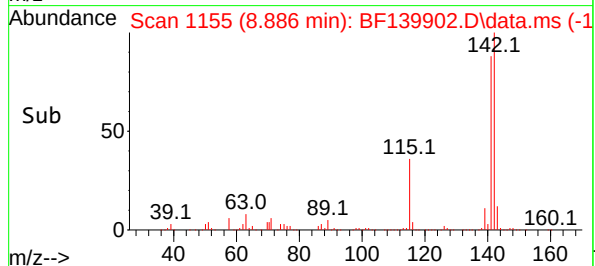
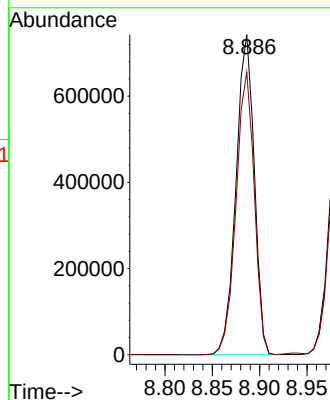
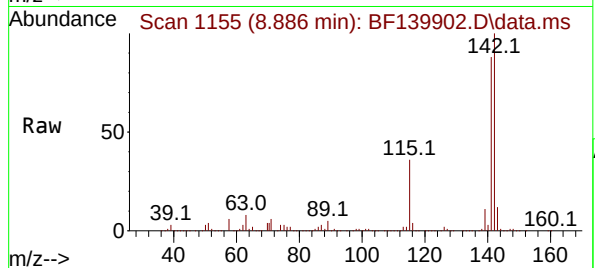
141 88.3 70.8 106.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/23/2024



#38

1-Methylnaphthalene

Concen: 47.780 ng

RT: 8.986 min Scan# 1172

Delta R.T. 0.000 min

Lab File: BF139902.D

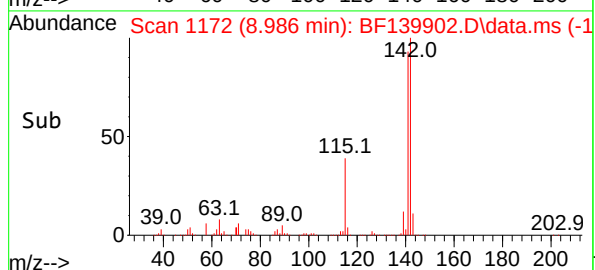
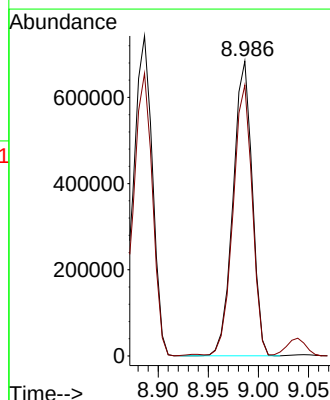
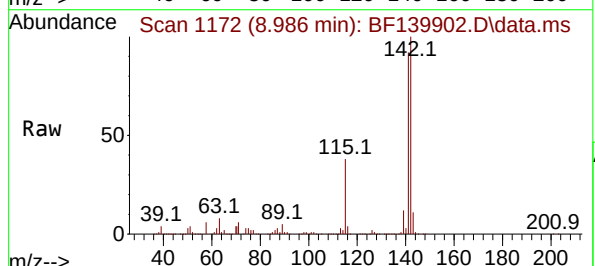
Acq: 21 Oct 2024 14:47

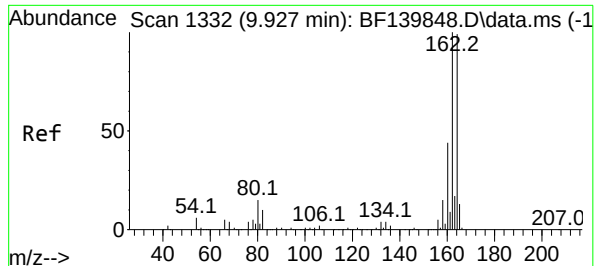
Tgt Ion:142 Resp: 914744

Ion Ratio Lower Upper

142 100

141 91.9 73.5 110.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.927 min Scan# 1183

Delta R.T. 0.000 min

Lab File: BF139902.D

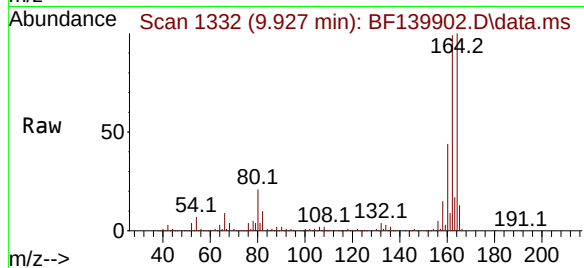
Acq: 21 Oct 2024 14:47

Instrument :

BNA_F

ClientSampleId :

SP-3MS



Tgt Ion:164 Resp: 33546

Ion Ratio Lower Upper

164 100

162 99.3 81.0 121.4

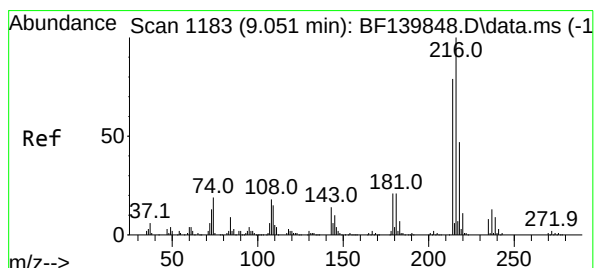
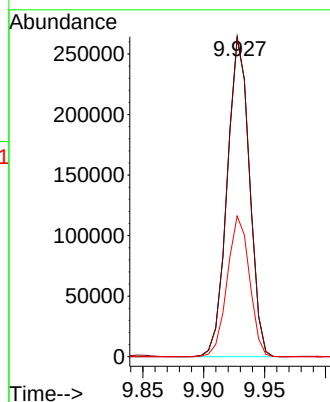
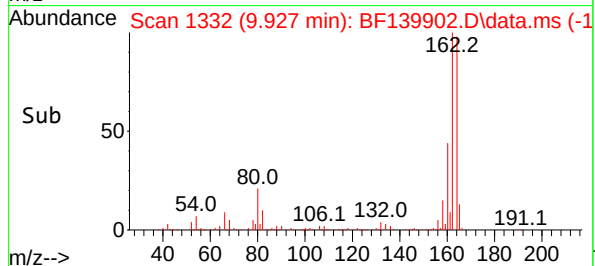
160 43.9 35.4 53.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/23/2024



#40

1,2,4,5-Tetrachlorobenzene

Concen: 50.386 ng

RT: 9.051 min Scan# 1183

Delta R.T. 0.000 min

Lab File: BF139902.D

Acq: 21 Oct 2024 14:47

Tgt Ion:216 Resp: 456013

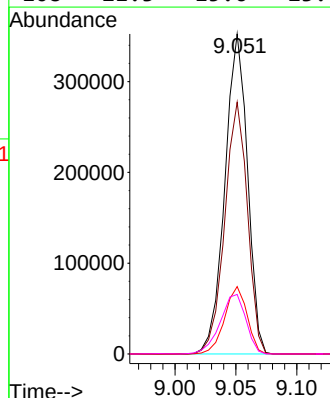
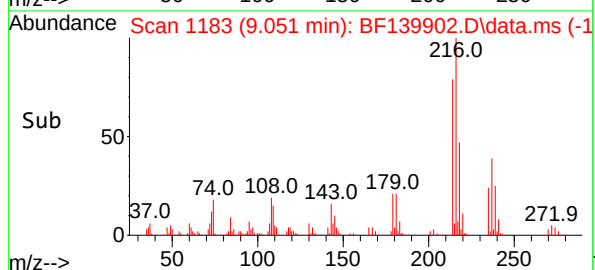
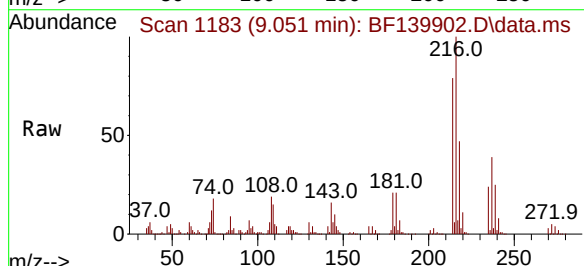
Ion Ratio Lower Upper

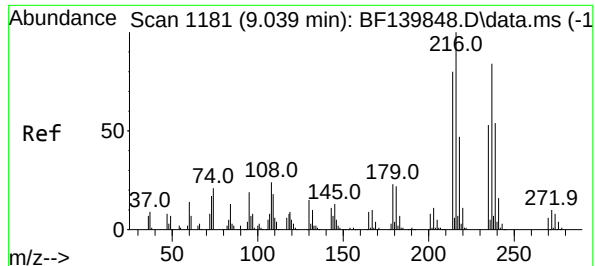
216 100

214 78.7 63.4 95.0

179 20.9 17.2 25.8

108 21.3 15.6 23.4





#41

Hexachlorocyclopentadiene

Concen: 153.232 ng

RT: 9.039 min Scan# 1181

Delta R.T. 0.000 min

Lab File: BF139902.D

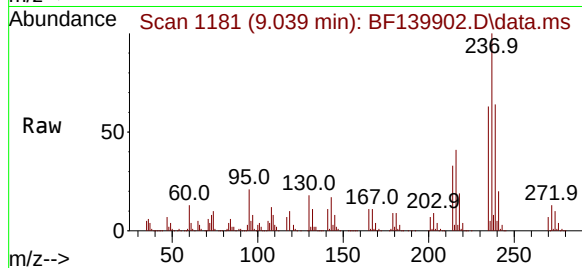
Acq: 21 Oct 2024 14:47

Instrument :

BNA_F

ClientSampleId :

SP-3MS



Tgt Ion:237 Resp: 482538

Ion Ratio Lower Upper

237 100

235 62.9 42.9 82.9

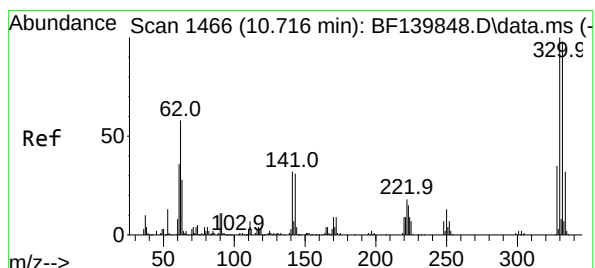
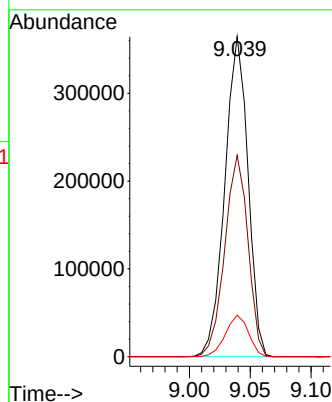
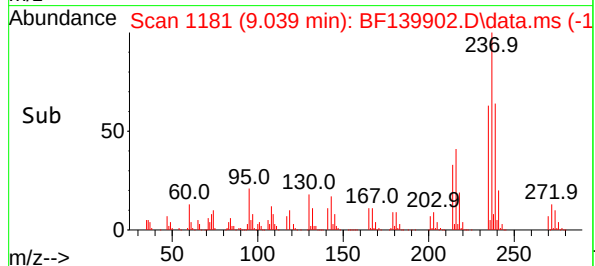
272 13.0 0.0 32.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/23/2024



#42

2,4,6-Tribromophenol

Concen: 122.205 ng

RT: 10.716 min Scan# 1466

Delta R.T. 0.000 min

Lab File: BF139902.D

Acq: 21 Oct 2024 14:47

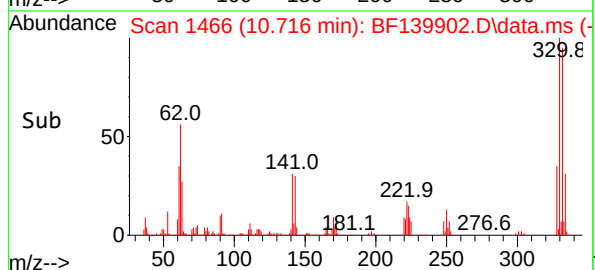
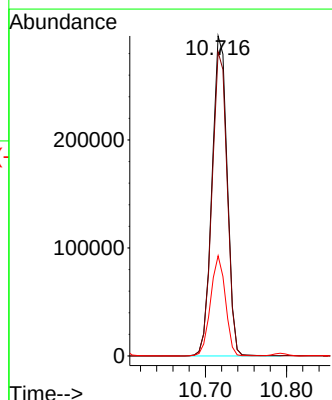
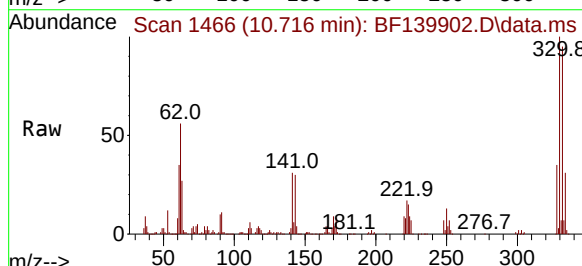
Tgt Ion:330 Resp: 383460

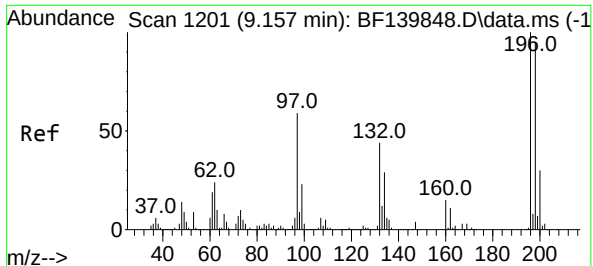
Ion Ratio Lower Upper

330 100

332 95.5 78.1 117.1

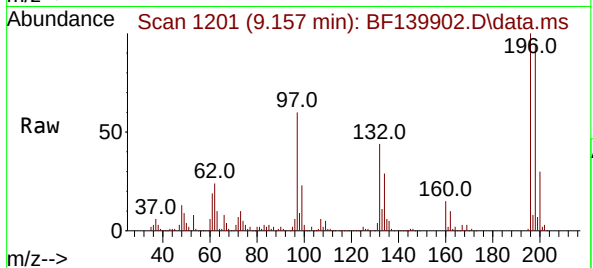
141 30.7 26.6 39.8





#43
2,4,6-Trichlorophenol
Concen: 54.811 ng
RT: 9.157 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF139902.D
Acq: 21 Oct 2024 14:47

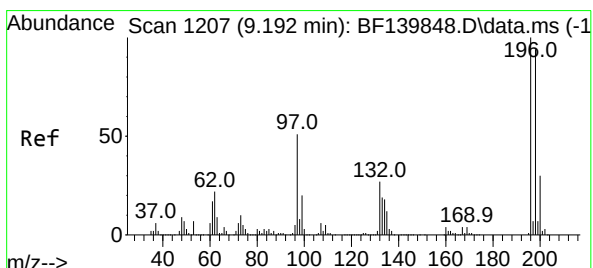
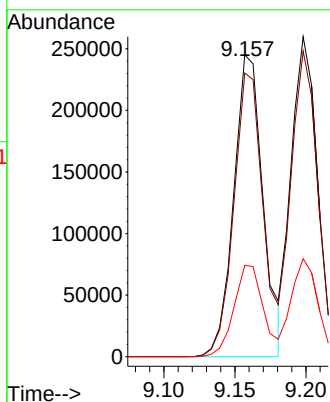
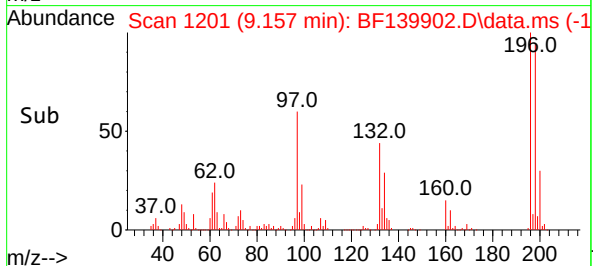
Instrument :
BNA_F
ClientSampleId :
SP-3MS



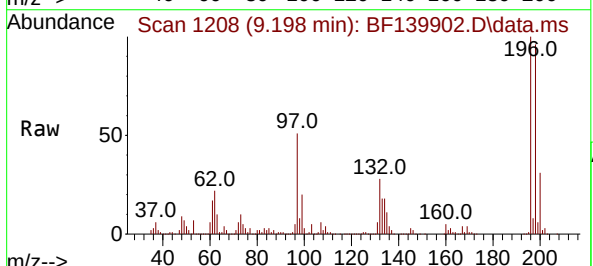
Tgt Ion:196 Resp: 351200
Ion Ratio Lower Upper
196 100
198 93.9 76.2 114.2
200 30.3 24.0 36.0

Manual Integrations
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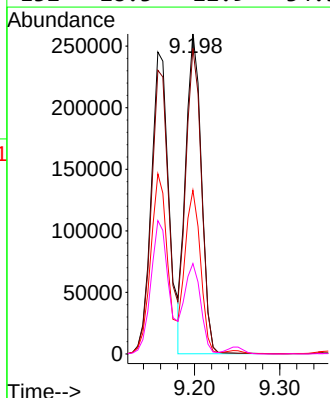
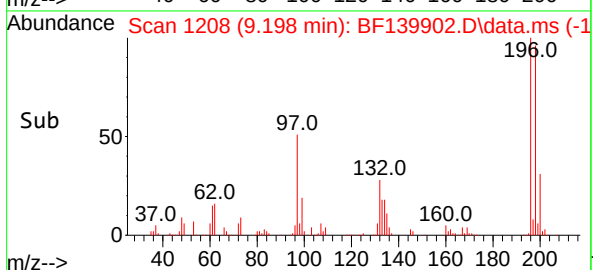
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024

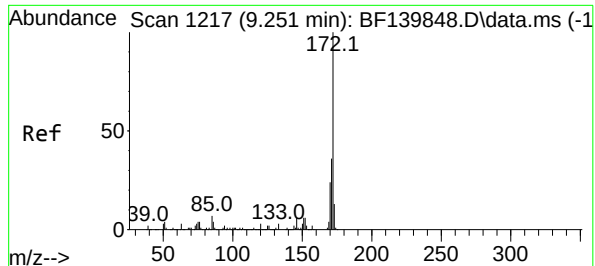


#44
2,4,5-Trichlorophenol
Concen: 50.192 ng
RT: 9.198 min Scan# 1208
Delta R.T. 0.006 min
Lab File: BF139902.D
Acq: 21 Oct 2024 14:47



Tgt Ion:196 Resp: 331813
Ion Ratio Lower Upper
196 100
198 95.5 75.8 113.6
97 51.1 41.8 62.6
132 28.3 22.9 34.3





#45

2-Fluorobiphenyl

Concen: 83.097 ng

RT: 9.251 min Scan# 1217

Delta R.T. 0.000 min

Lab File: BF139902.D

Acq: 21 Oct 2024 14:47

Instrument :

BNA_F

ClientSampleId :

SP-3MS

Tgt Ion:172 Resp: 168671

Ion Ratio Lower Upper

172 100

171 36.0 28.6 43.0

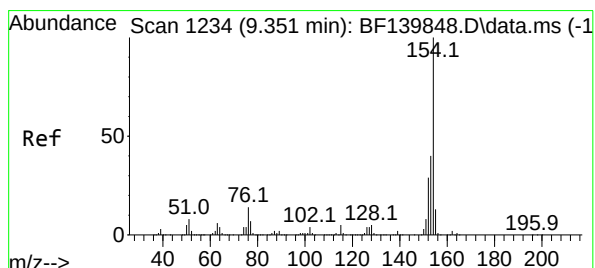
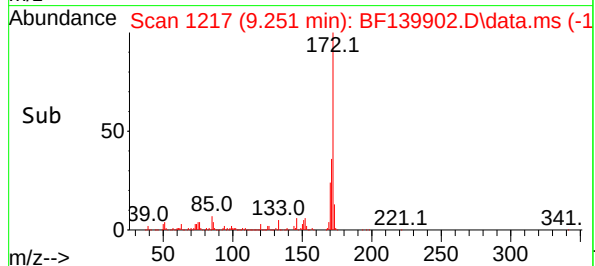
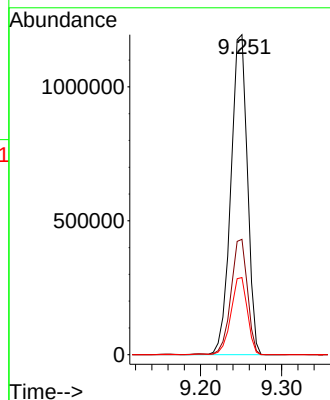
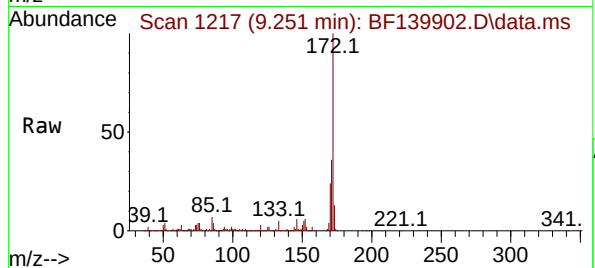
170 24.1 19.1 28.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/23/2024



#46

1,1'-Biphenyl

Concen: 50.093 ng

RT: 9.351 min Scan# 1234

Delta R.T. 0.000 min

Lab File: BF139902.D

Acq: 21 Oct 2024 14:47

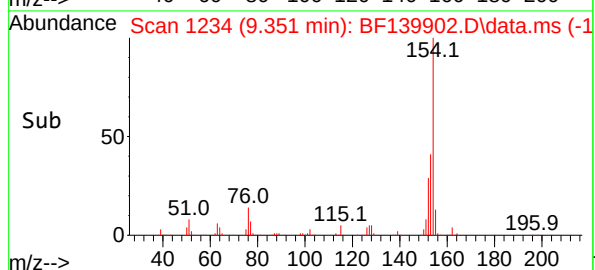
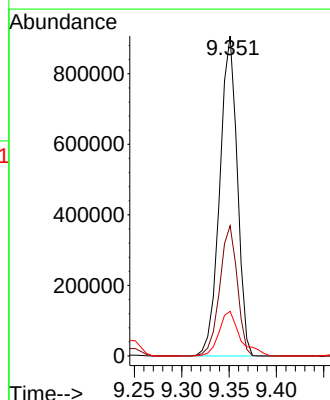
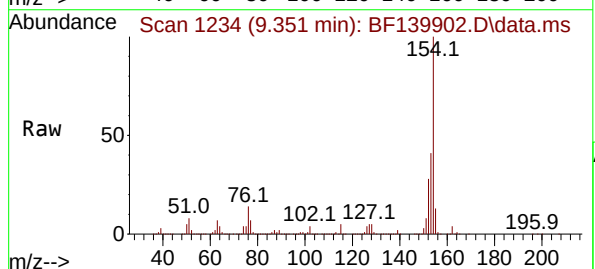
Tgt Ion:154 Resp: 1169824

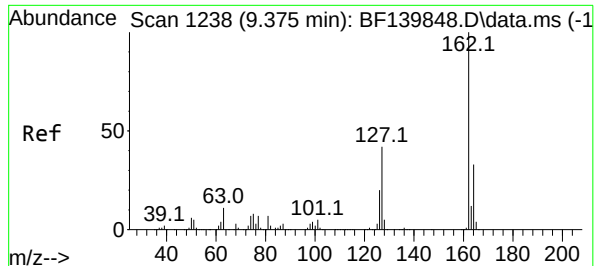
Ion Ratio Lower Upper

154 100

153 40.7 20.3 60.3

76 14.0 0.0 33.9





#47

2-Chloronaphthalene

Concen: 49.826 ng

RT: 9.375 min Scan# 1238

Delta R.T. 0.000 min

Lab File: BF139902.D

Acq: 21 Oct 2024 14:47

Instrument :

BNA_F

ClientSampleId :

SP-3MS

Tgt Ion:162 Resp: 937179

Ion Ratio Lower Upper

162 100

127 42.0 33.8 50.6

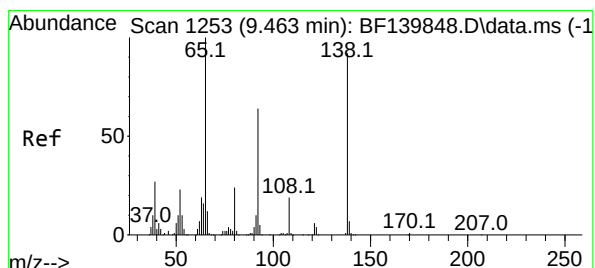
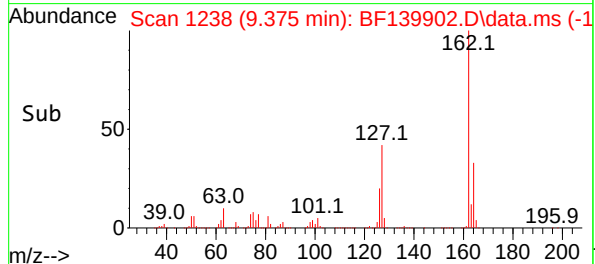
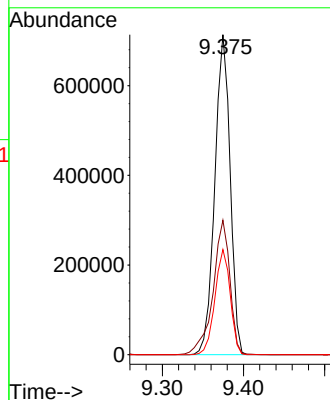
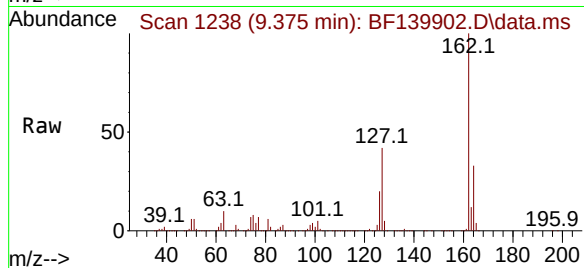
164 32.8 26.6 39.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/23/2024



#48

2-Nitroaniline

Concen: 55.174 ng

RT: 9.469 min Scan# 1254

Delta R.T. 0.006 min

Lab File: BF139902.D

Acq: 21 Oct 2024 14:47

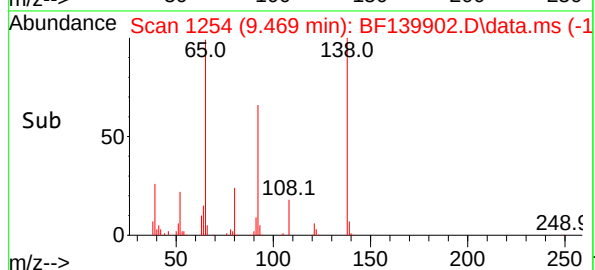
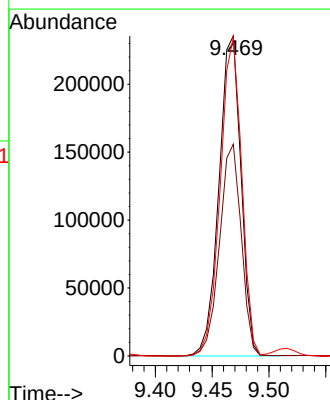
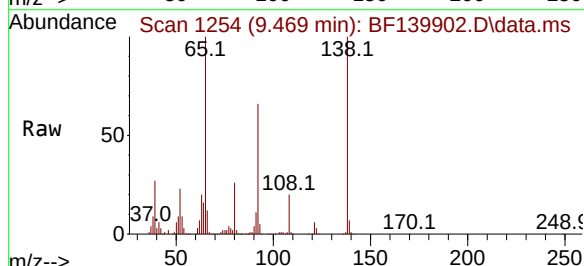
Tgt Ion: 65 Resp: 317397

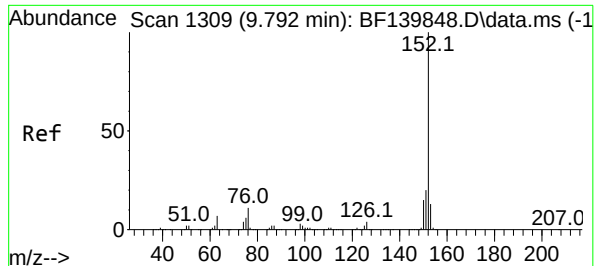
Ion Ratio Lower Upper

65 100

92 66.2 50.9 76.3

138 99.7 73.4 110.0





#49

Acenaphthylene

Concen: 53.376 ng

RT: 9.792 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF139902.D

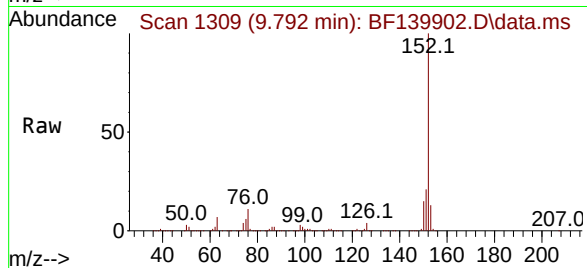
Acq: 21 Oct 2024 14:47

Instrument :

BNA_F

ClientSampleId :

SP-3MS



Tgt Ion:152 Resp: 1451414

Ion Ratio Lower Upper

152 100

151 20.7 15.9 23.9

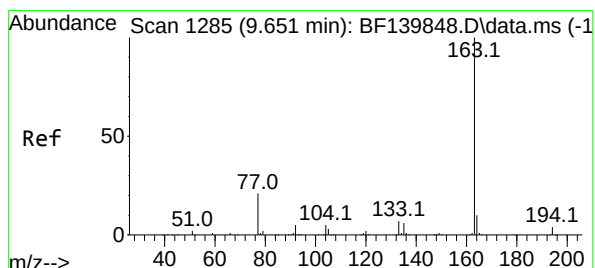
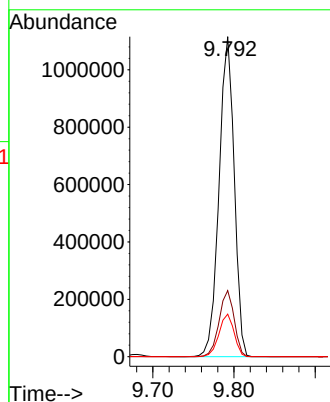
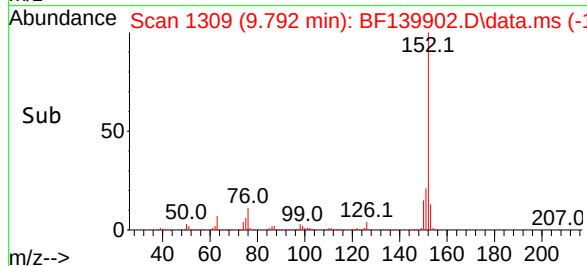
153 13.3 10.7 16.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/23/2024



#50

Dimethylphthalate

Concen: 52.455 ng

RT: 9.651 min Scan# 1285

Delta R.T. 0.000 min

Lab File: BF139902.D

Acq: 21 Oct 2024 14:47

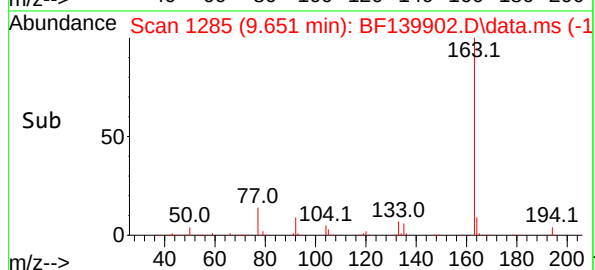
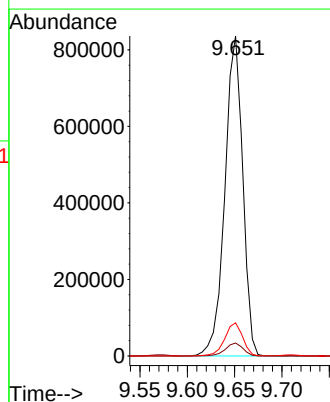
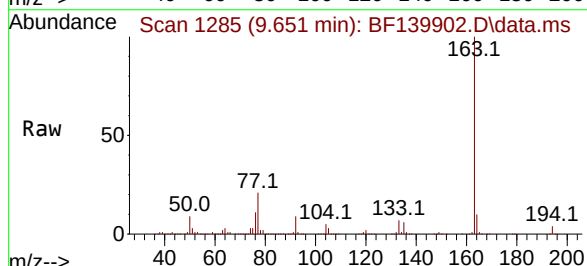
Tgt Ion:163 Resp: 1096069

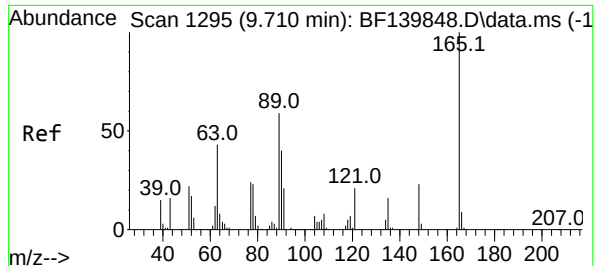
Ion Ratio Lower Upper

163 100

194 4.0 3.4 5.0

164 10.3 8.2 12.2





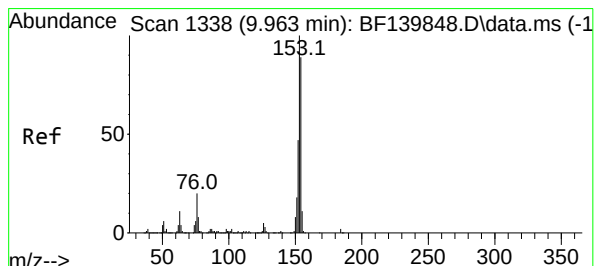
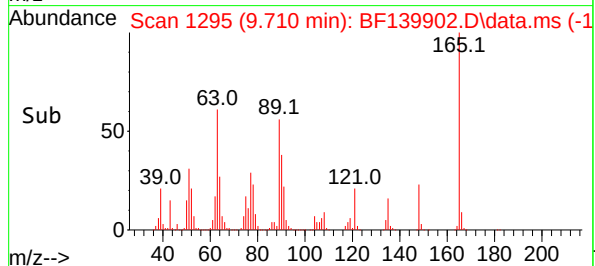
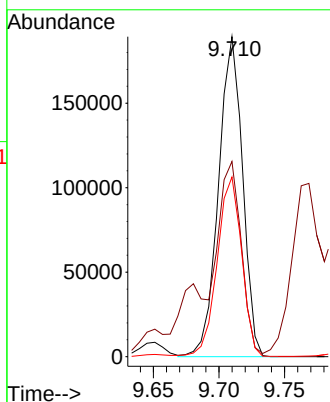
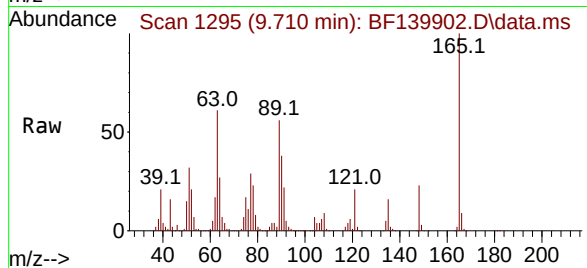
#51
2,6-Dinitrotoluene
Concen: 53.427 ng
RT: 9.710 min Scan# 1295
Delta R.T. 0.000 min
Lab File: BF139902.D
Acq: 21 Oct 2024 14:47

Instrument :
BNA_F
ClientSampleId :
SP-3MS

Tgt Ion:165 Resp: 24171
Ion Ratio Lower Upper
165 100
63 61.0 50.6 75.8
89 56.1 47.5 71.3

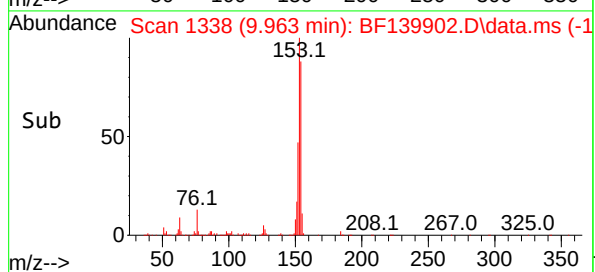
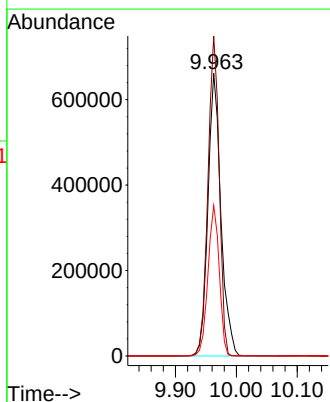
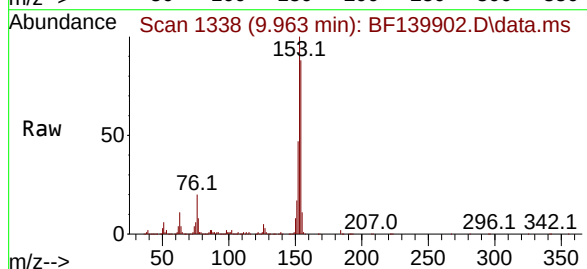
Manual Integrations
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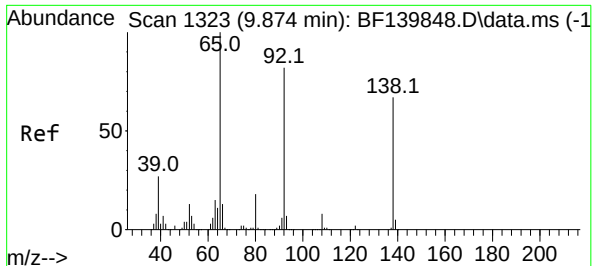
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



#52
Acenaphthene
Concen: 55.783 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.000 min
Lab File: BF139902.D
Acq: 21 Oct 2024 14:47

Tgt Ion:154 Resp: 981249
Ion Ratio Lower Upper
154 100
153 113.3 89.8 134.6
152 53.3 42.4 63.6





#53

3-Nitroaniline

Concen: 30.490 ng

RT: 9.875 min Scan# 1323

Delta R.T. 0.000 min

Lab File: BF139902.D

Acq: 21 Oct 2024 14:47

Instrument :

BNA_F

ClientSampleId :

SP-3MS

Tgt Ion:138 Resp: 14225

Ion Ratio Lower Upper

138 100

108 11.5 10.2 15.2

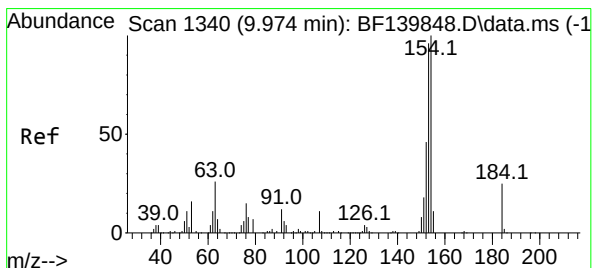
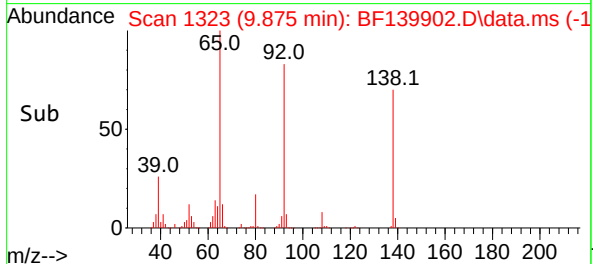
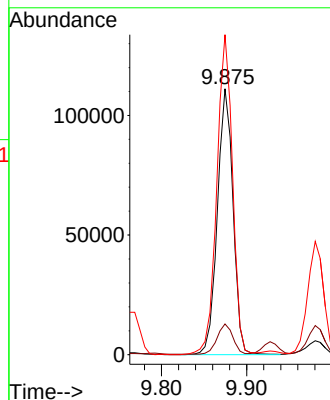
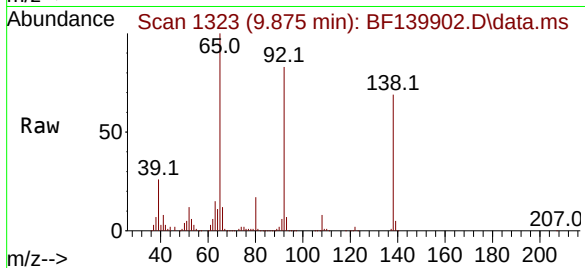
92 120.4 98.3 147.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/23/2024



#54

2,4-Dinitrophenol

Concen: 118.216 ng

RT: 9.980 min Scan# 1341

Delta R.T. 0.006 min

Lab File: BF139902.D

Acq: 21 Oct 2024 14:47

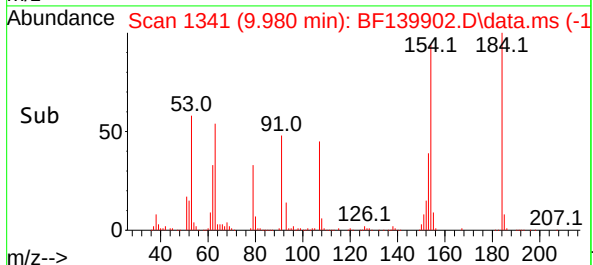
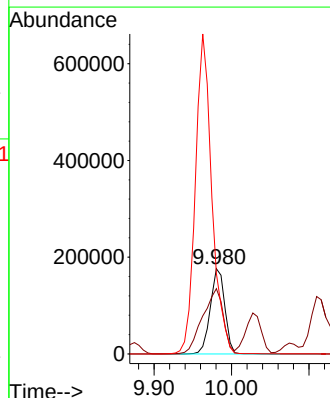
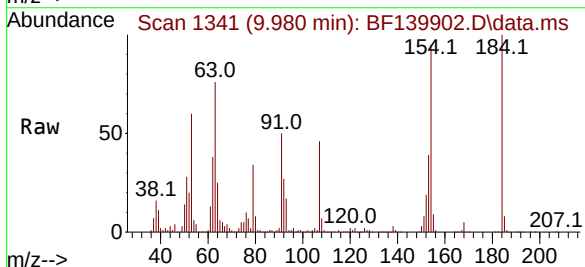
Tgt Ion:184 Resp: 228598

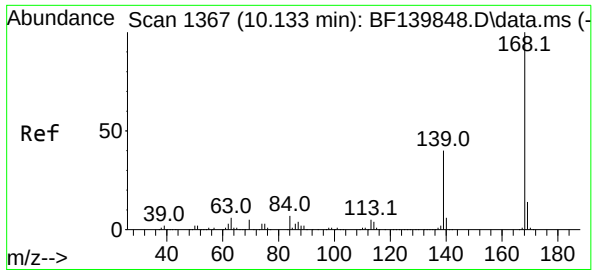
Ion Ratio Lower Upper

184 100

63 76.5 84.7 127.1#

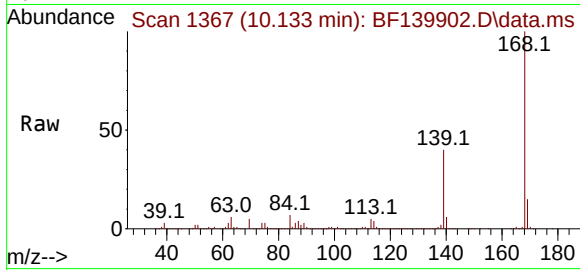
154 94.6 338.2 507.2#





#55
Dibenzofuran
Concen: 50.828 ng
RT: 10.133 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF139902.D
Acq: 21 Oct 2024 14:47

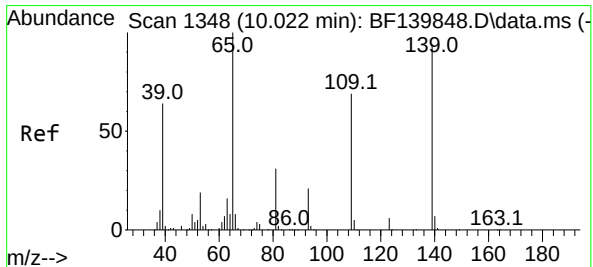
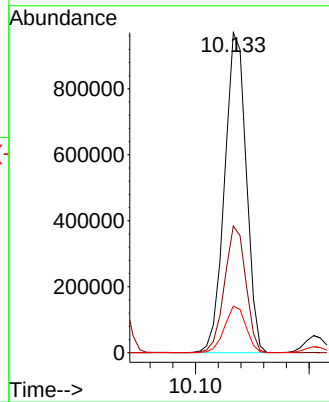
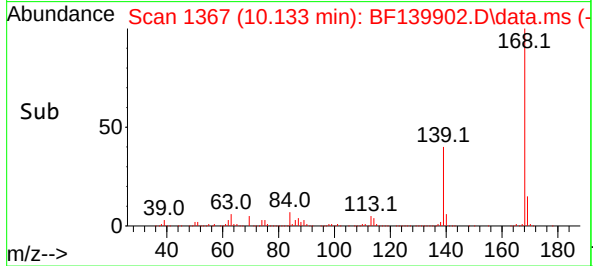
Instrument :
BNA_F
ClientSampleId :
SP-3MS



Tgt Ion:168 Resp: 128282
Ion Ratio Lower Upper
168 100
139 39.6 31.8 47.6
169 14.5 11.6 17.4

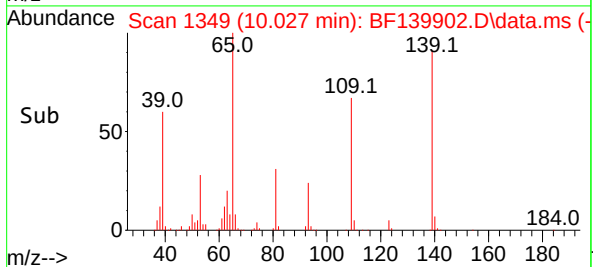
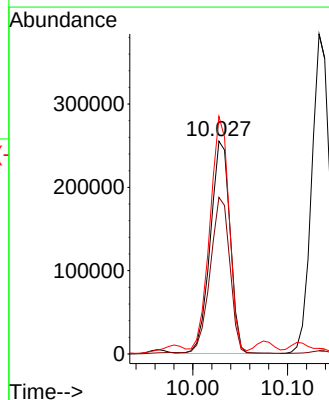
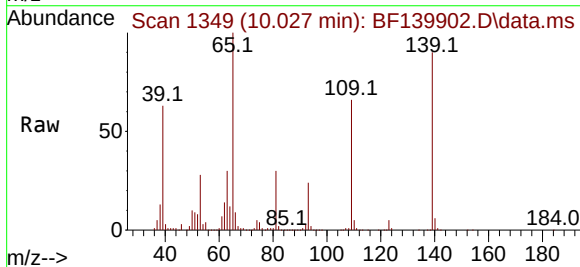
Manual Integrations
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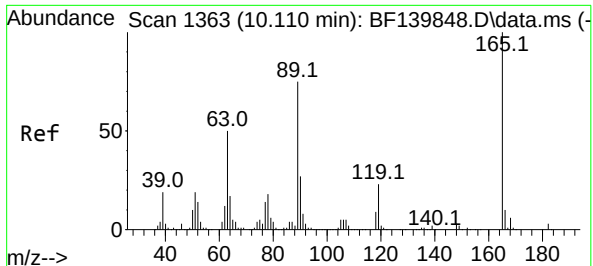
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



#56
4-Nitrophenol
Concen: 102.803 ng
RT: 10.027 min Scan# 1349
Delta R.T. 0.006 min
Lab File: BF139902.D
Acq: 21 Oct 2024 14:47

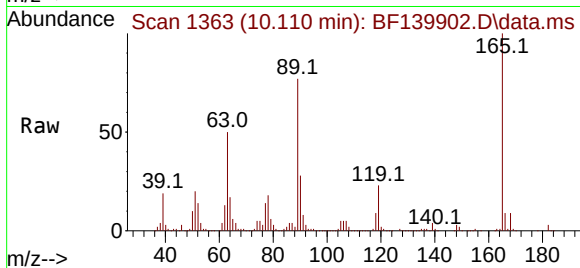
Tgt Ion:139 Resp: 369013
Ion Ratio Lower Upper
139 100
109 73.6 53.6 93.6
65 111.7 87.8 127.8





#57
2,4-Dinitrotoluene
Concen: 57.069 ng
RT: 10.110 min Scan# 1363
Delta R.T. 0.000 min
Lab File: BF139902.D
Acq: 21 Oct 2024 14:47

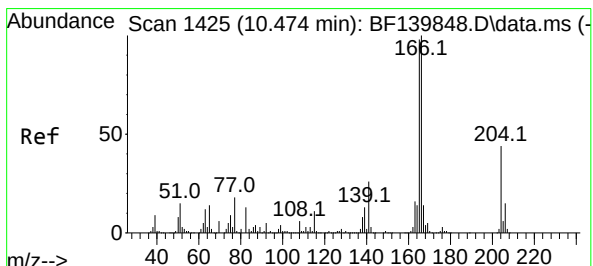
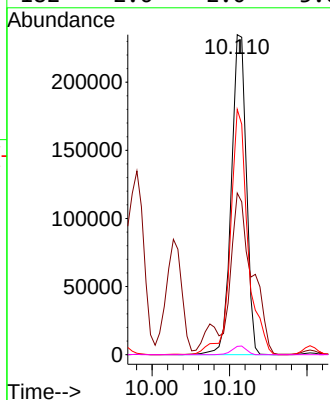
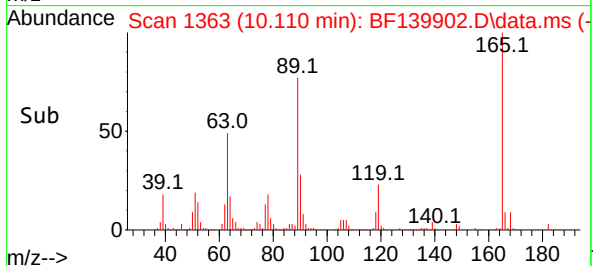
Instrument :
BNA_F
ClientSampleId :
SP-3MS



Tgt Ion:165 Resp: 31751
Ion Ratio Lower Upper
165 100
63 50.5 40.1 60.1
89 76.7 60.4 90.6
182 2.6 2.0 3.0

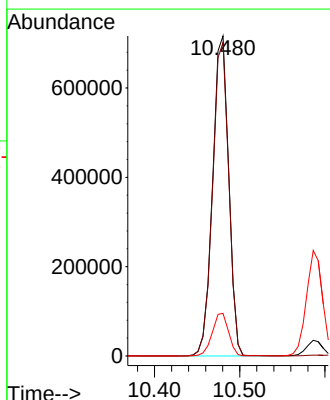
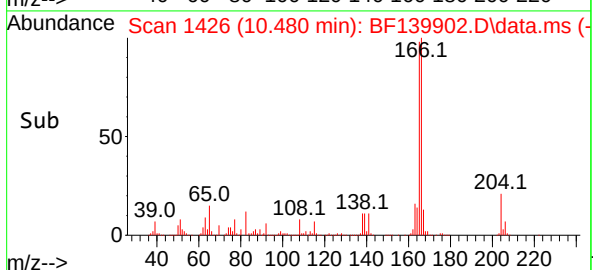
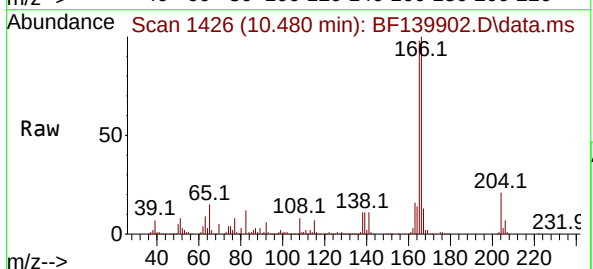
Manual Integrations
APPROVED

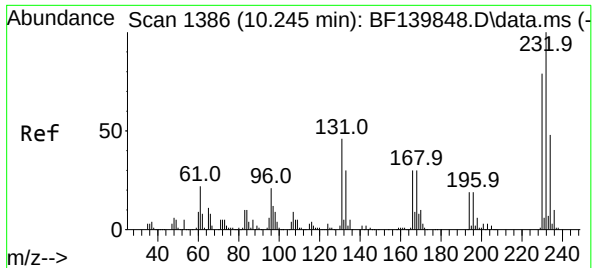
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



#58
Fluorene
Concen: 49.196 ng
RT: 10.480 min Scan# 1426
Delta R.T. 0.006 min
Lab File: BF139902.D
Acq: 21 Oct 2024 14:47

Tgt Ion:166 Resp: 945689
Ion Ratio Lower Upper
166 100
165 98.0 78.5 117.7
167 13.3 10.9 16.3





#59

2,3,4,6-Tetrachlorophenol

Concen: 53.060 ng

RT: 10.251 min Scan# 1386

Delta R.T. 0.006 min

Lab File: BF139902.D

Acq: 21 Oct 2024 14:47

Instrument :

BNA_F

ClientSampleId :

SP-3MS

Tgt Ion:232 Resp: 274981

Ion Ratio Lower Upper

232 100

131 43.7 37.0 55.6

130 2.3 1.9 2.9

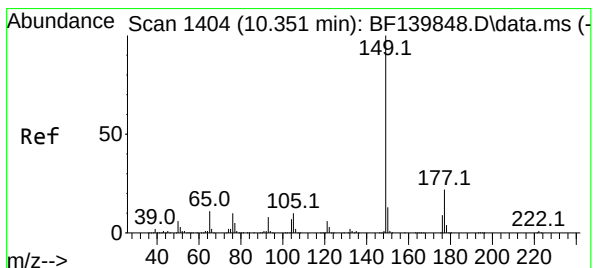
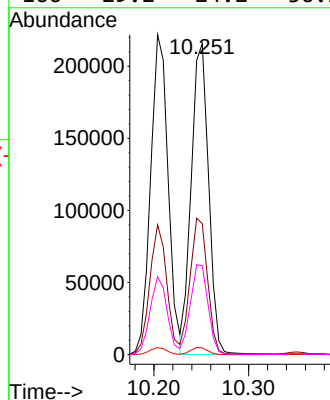
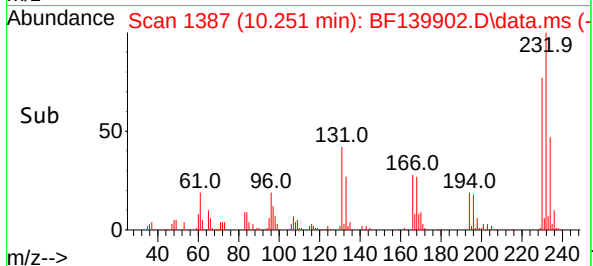
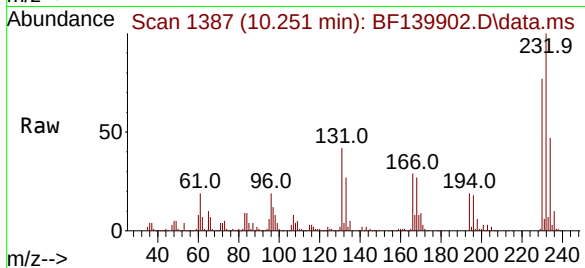
166 29.2 24.2 36.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/23/2024



#60

Diethylphthalate

Concen: 50.902 ng

RT: 10.351 min Scan# 1404

Delta R.T. 0.000 min

Lab File: BF139902.D

Acq: 21 Oct 2024 14:47

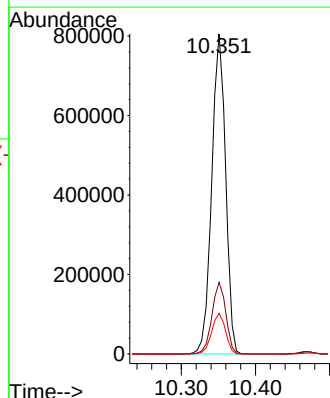
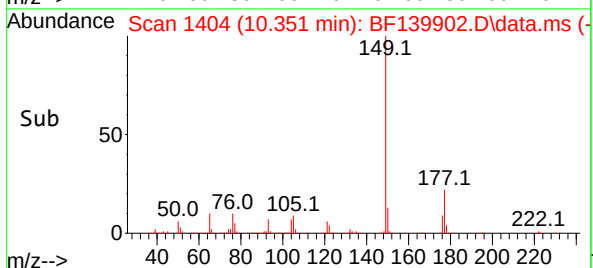
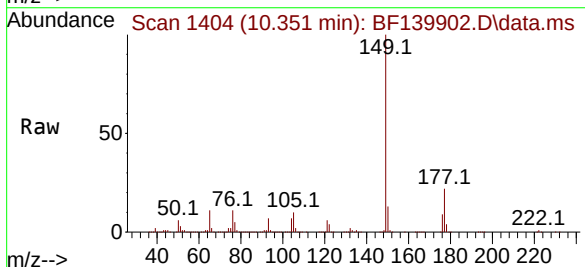
Tgt Ion:149 Resp: 1044323

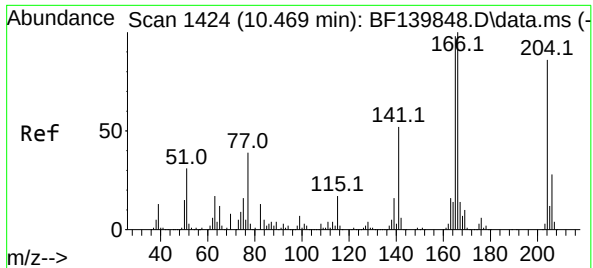
Ion Ratio Lower Upper

149 100

177 22.4 17.9 26.9

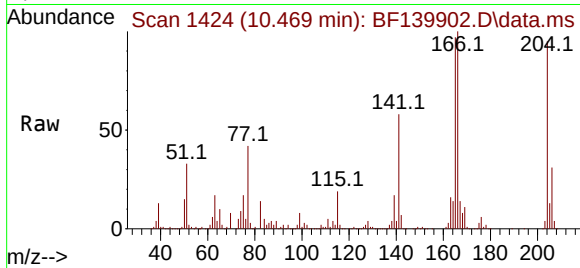
150 12.7 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 49.119 ng
RT: 10.469 min Scan# 1424
Delta R.T. 0.000 min
Lab File: BF139902.D
Acq: 21 Oct 2024 14:47

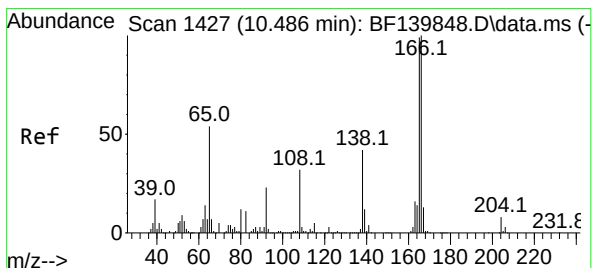
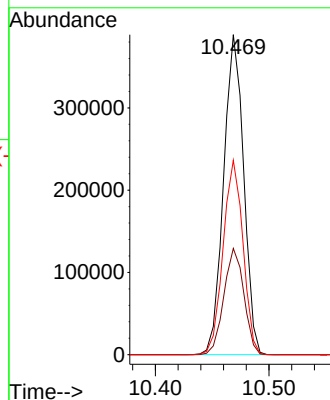
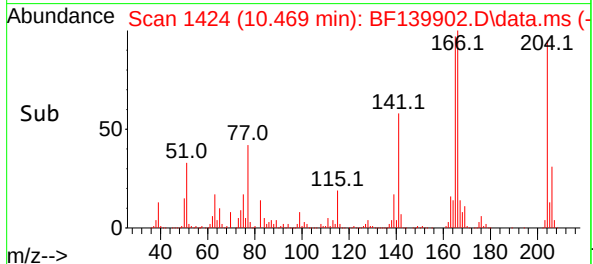
Instrument :
BNA_F
ClientSampleId :
SP-3MS



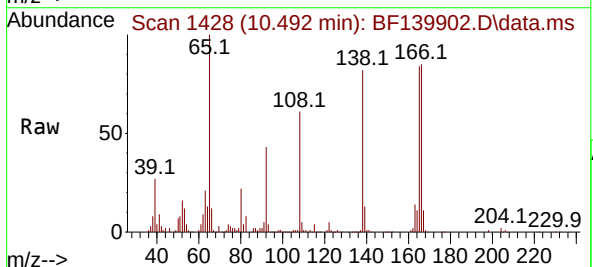
Tgt Ion:204 Resp: 47683
Ion Ratio Lower Upper
204 100
206 33.2 26.3 39.5
141 60.8 48.6 73.0

Manual Integrations
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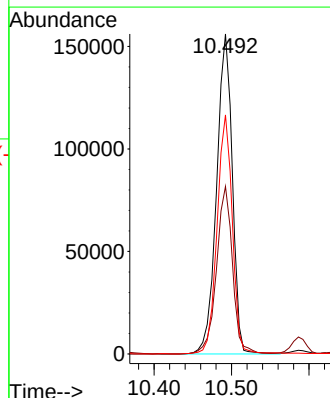
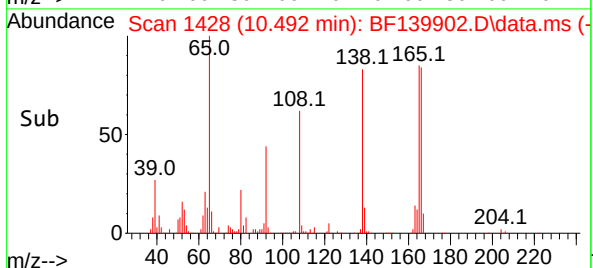
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024

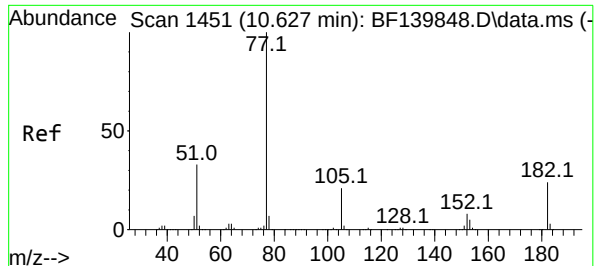


#62
4-Nitroaniline
Concen: 49.958 ng
RT: 10.492 min Scan# 1428
Delta R.T. 0.006 min
Lab File: BF139902.D
Acq: 21 Oct 2024 14:47



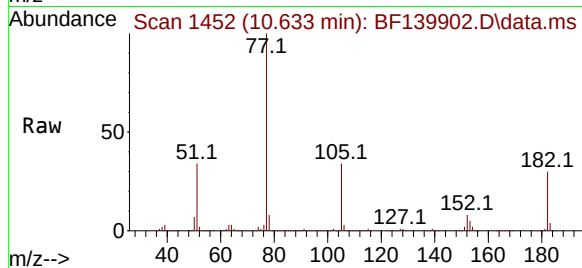
Tgt Ion:138 Resp: 220141
Ion Ratio Lower Upper
138 100
92 52.3 35.7 75.7
108 74.7 57.5 97.5





#63
Azobenzene
Concen: 59.544 ng
RT: 10.633 min Scan# 1451
Delta R.T. 0.006 min
Lab File: BF139902.D
Acq: 21 Oct 2024 14:47

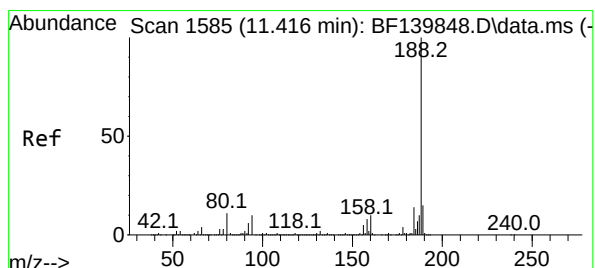
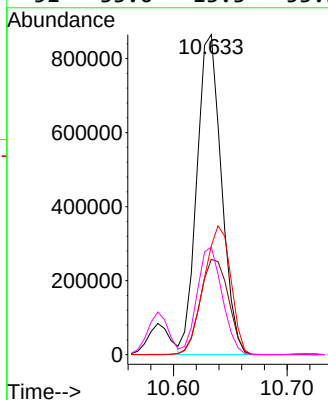
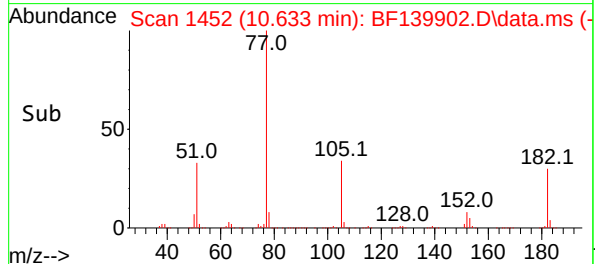
Instrument :
BNA_F
ClientSampleId :
SP-3MS



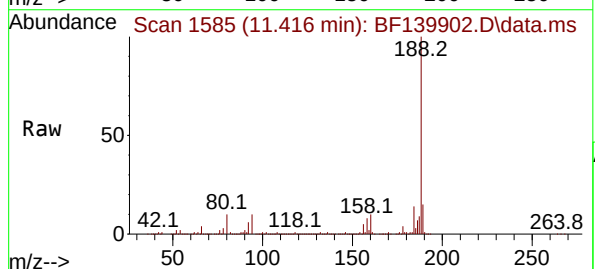
Tgt Ion: 77 Resp: 129511
Ion Ratio Lower Upper
77 100
182 29.8 3.3 43.3
105 34.0 1.2 41.2
51 33.6 13.3 53.3

Manual Integrations
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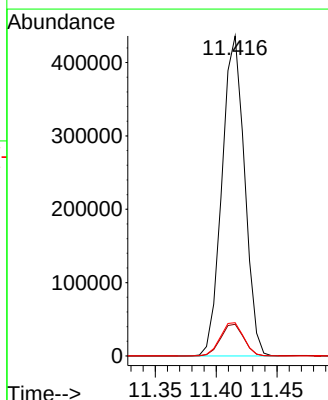
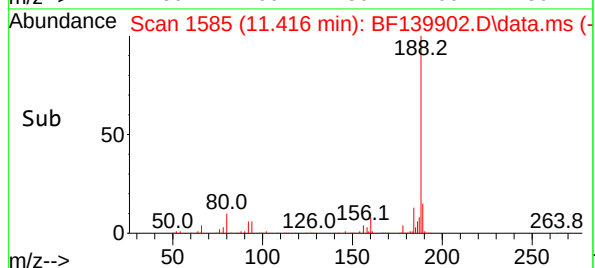
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024

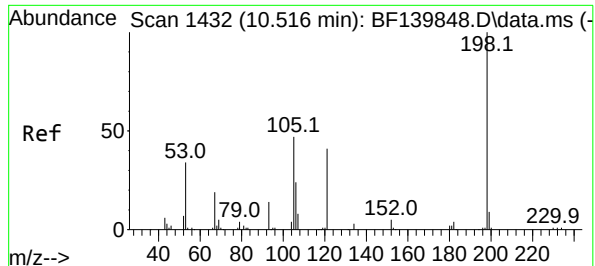


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BF139902.D
Acq: 21 Oct 2024 14:47



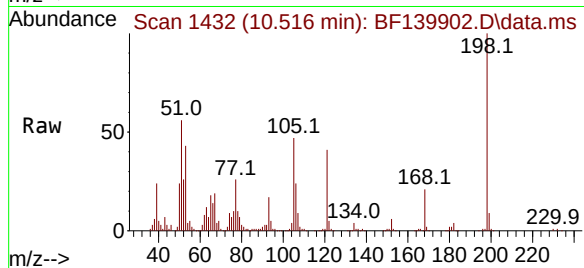
Tgt Ion:188 Resp: 563658
Ion Ratio Lower Upper
188 100
94 9.9 7.9 11.9
80 10.4 9.0 13.4





#65
4,6-Dinitro-2-methylphenol
Concen: 67.822 ng
RT: 10.516 min Scan# 1432
Delta R.T. -0.000 min
Lab File: BF139902.D
Acq: 21 Oct 2024 14:47

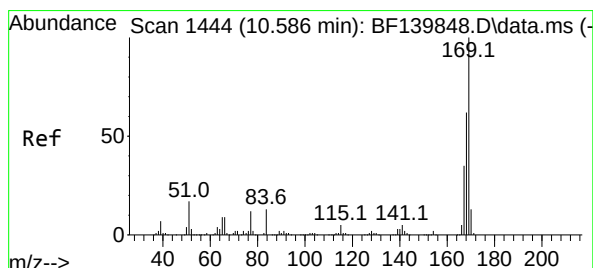
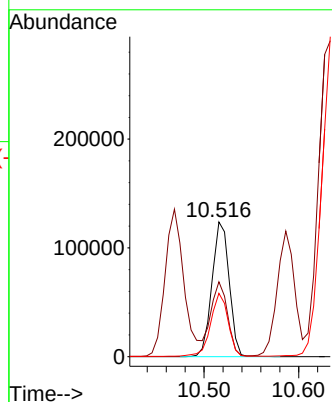
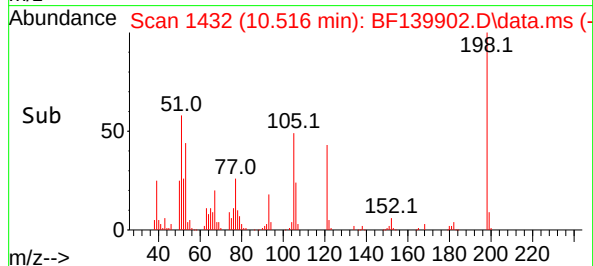
Instrument :
BNA_F
ClientSampleId :
SP-3MS



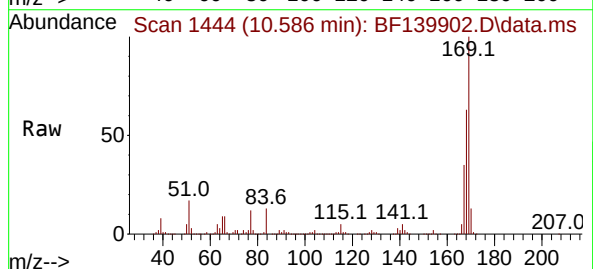
Tgt Ion:198 Resp: 155932
Ion Ratio Lower Upper
198 100
51 55.6 38.2 78.2
105 47.1 27.9 67.9

Manual Integrations
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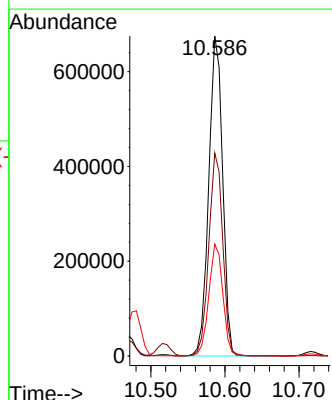
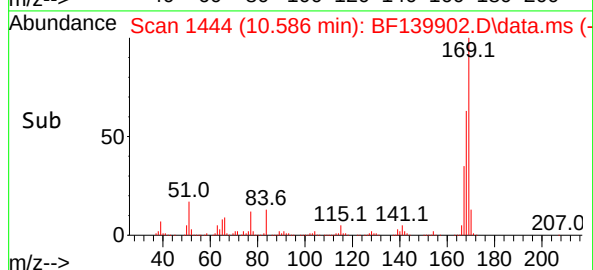
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024

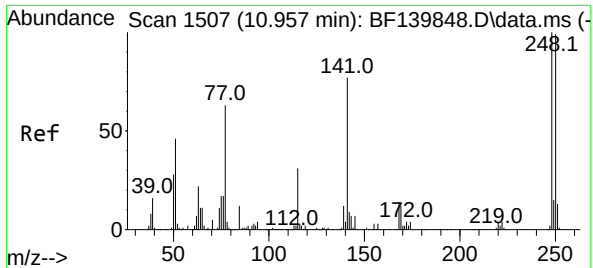


#66
n-Nitrosodiphenylamine
Concen: 51.971 ng
RT: 10.586 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BF139902.D
Acq: 21 Oct 2024 14:47



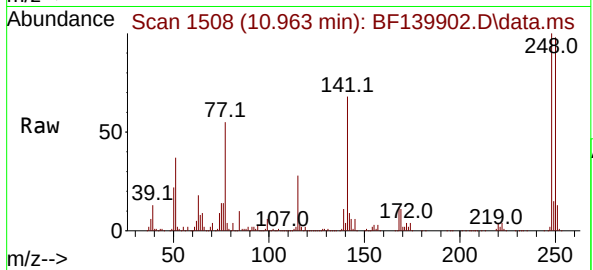
Tgt Ion:169 Resp: 876750
Ion Ratio Lower Upper
169 100
168 63.5 49.8 74.6
167 35.0 28.0 42.0





#67
4-Bromophenyl-phenylether
Concen: 52.615 ng
RT: 10.963 min Scan# 1508
Delta R.T. 0.006 min
Lab File: BF139902.D
Acq: 21 Oct 2024 14:47

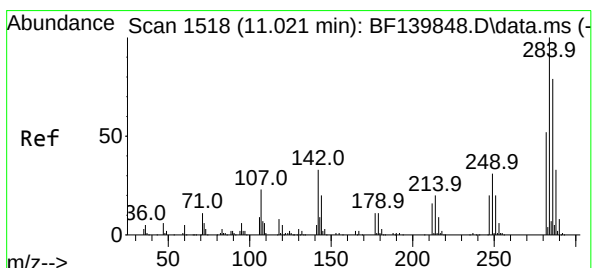
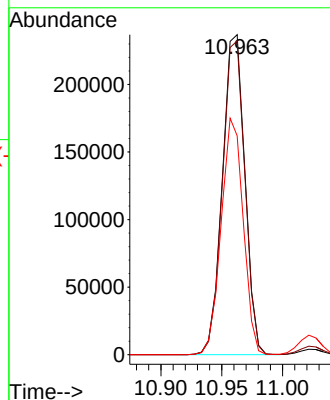
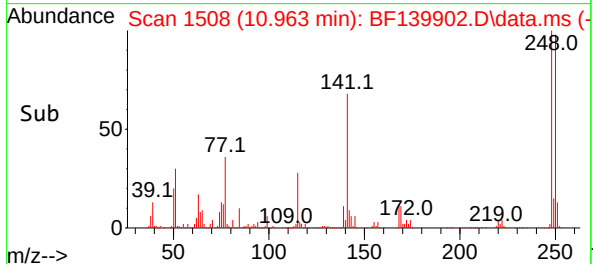
Instrument :
BNA_F
ClientSampleId :
SP-3MS



Tgt Ion:248 Resp: 305519
Ion Ratio Lower Upper
248 100
250 98.1 79.0 118.6
141 68.4 61.7 92.5

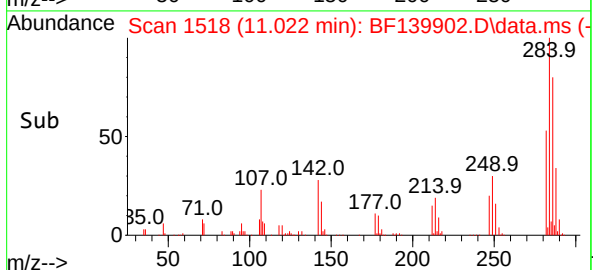
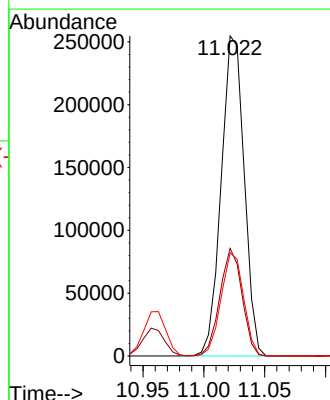
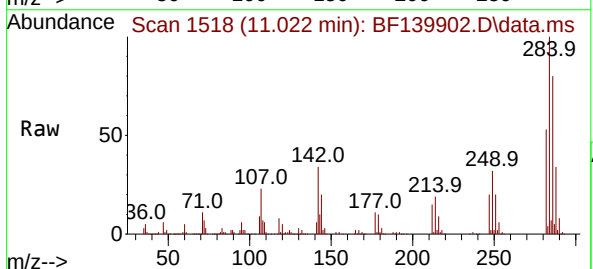
Manual Integrations
APPROVED

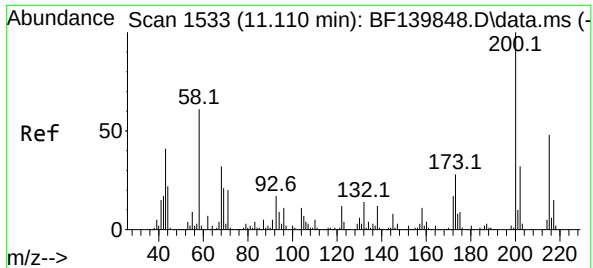
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



#68
Hexachlorobenzene
Concen: 51.241 ng
RT: 11.022 min Scan# 1518
Delta R.T. 0.000 min
Lab File: BF139902.D
Acq: 21 Oct 2024 14:47

Tgt Ion:284 Resp: 334639
Ion Ratio Lower Upper
284 100
142 33.6 26.9 40.3
249 32.3 25.3 37.9





#69

Atrazine

Concen: 62.046 ng

RT: 11.110 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF139902.D

Acq: 21 Oct 2024 14:47

Instrument :

BNA_F

ClientSampleId :

SP-3MS

Tgt Ion:200 Resp: 28354

Ion Ratio Lower Upper

200 100

173 27.5 7.7 47.7

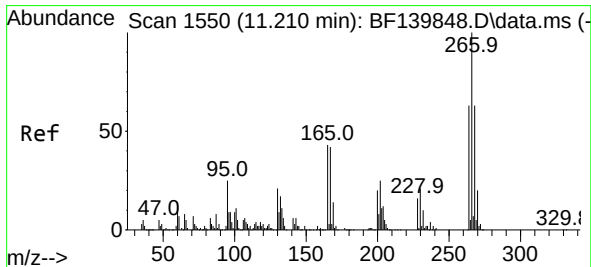
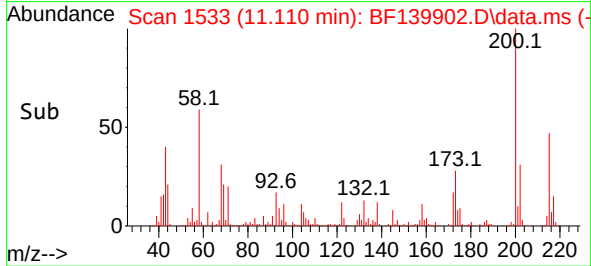
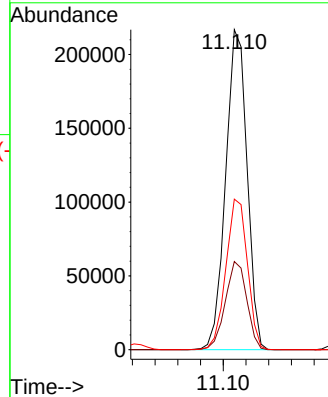
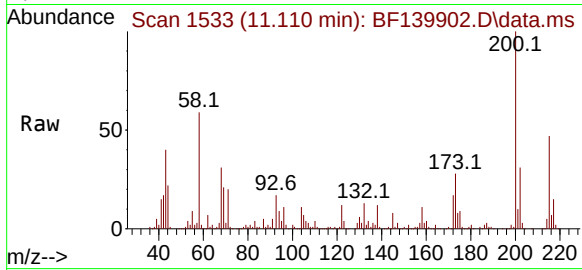
215 47.0 27.7 67.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/23/2024



#70

Pentachlorophenol

Concen: 97.342 ng

RT: 11.216 min Scan# 1551

Delta R.T. 0.006 min

Lab File: BF139902.D

Acq: 21 Oct 2024 14:47

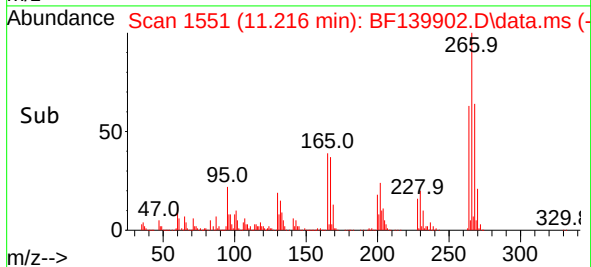
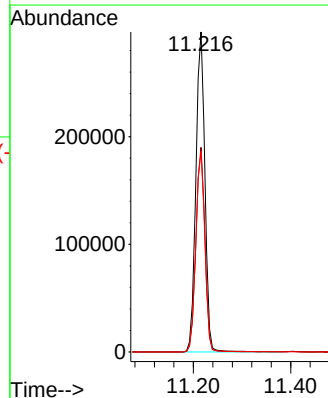
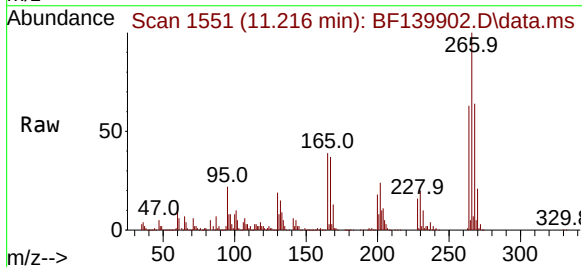
Tgt Ion:266 Resp: 385813

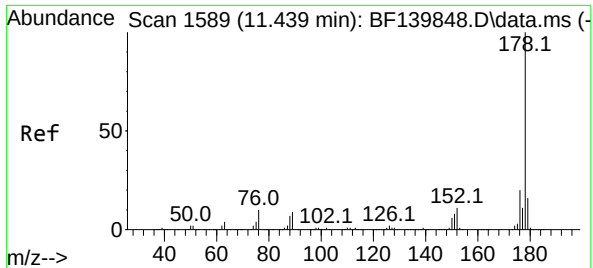
Ion Ratio Lower Upper

266 100

268 63.9 50.4 75.6

264 62.7 50.6 75.8





#71

Phenanthrene

Concen: 51.542 ng

RT: 11.439 min Scan# 1589

Delta R.T. 0.000 min

Lab File: BF139902.D

Acq: 21 Oct 2024 14:47

Instrument :

BNA_F

ClientSampleId :

SP-3MS

Tgt Ion:178 Resp: 137229

Ion Ratio Lower Upper

178 100

176 19.7 15.8 23.6

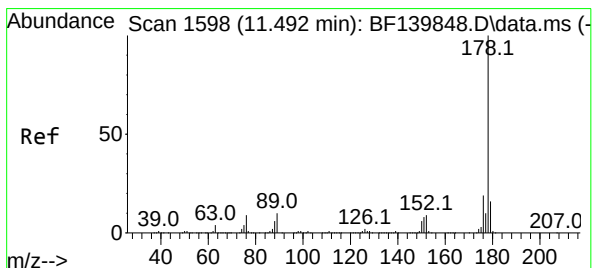
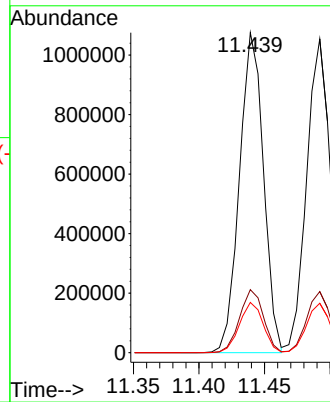
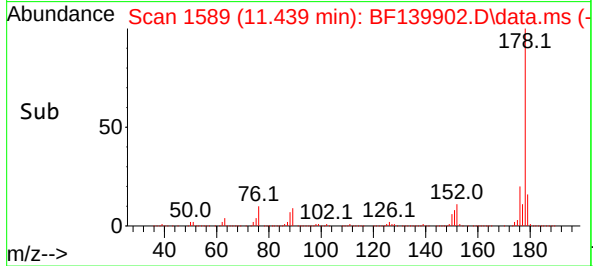
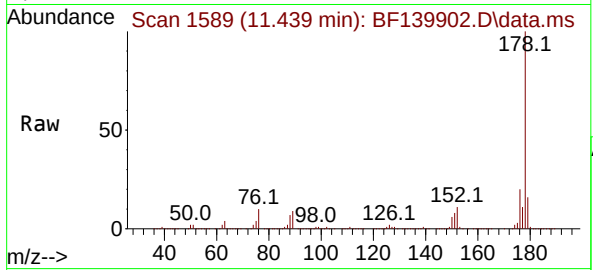
179 15.7 12.6 18.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/23/2024



#72

Anthracene

Concen: 51.002 ng

RT: 11.492 min Scan# 1598

Delta R.T. 0.000 min

Lab File: BF139902.D

Acq: 21 Oct 2024 14:47

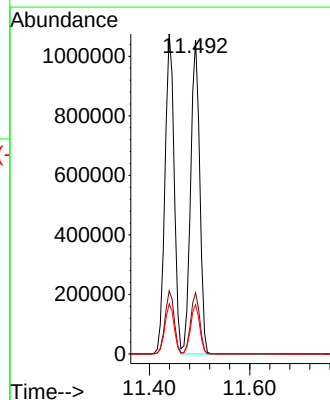
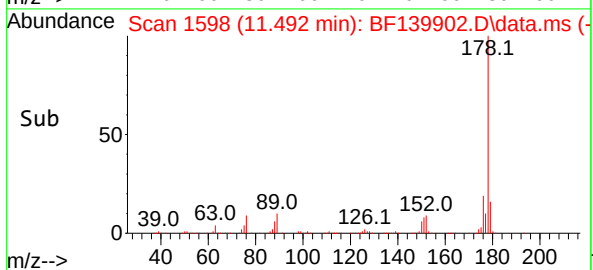
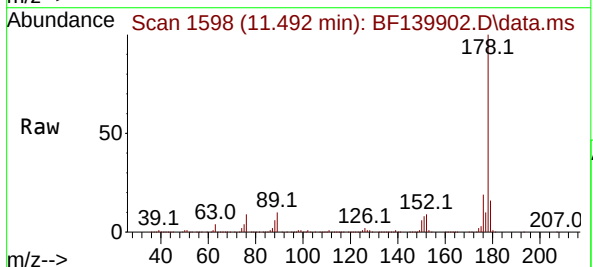
Tgt Ion:178 Resp: 1324889

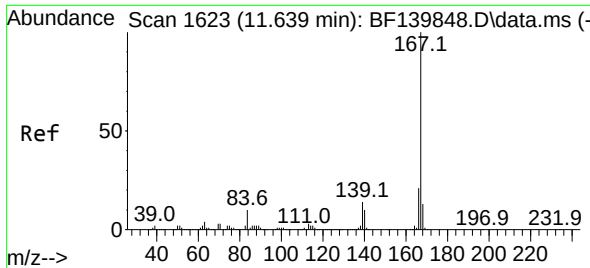
Ion Ratio Lower Upper

178 100

176 19.5 15.3 22.9

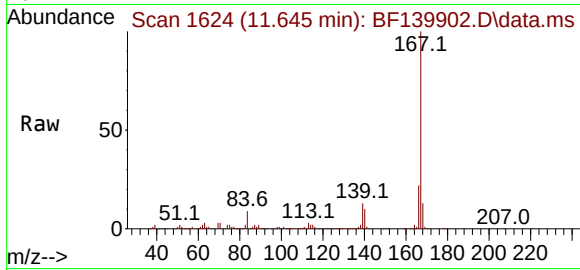
179 15.8 12.4 18.6





#73
 Carbazole
 Concen: 48.130 ng
 RT: 11.645 min Scan# 1623
 Delta R.T. 0.006 min
 Lab File: BF139902.D
 Acq: 21 Oct 2024 14:47

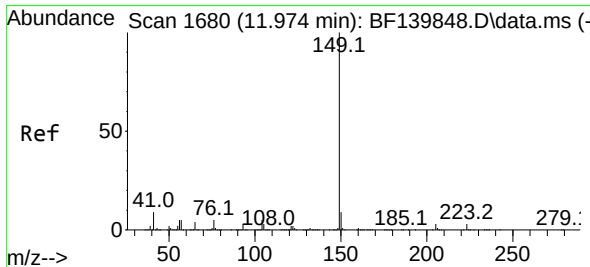
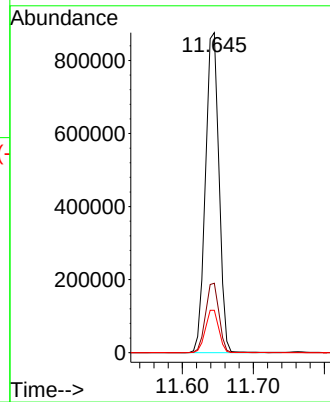
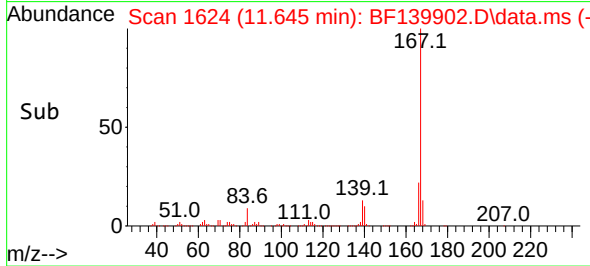
Instrument :
 BNA_F
 ClientSampleId :
 SP-3MS



Tgt Ion:167 Resp: 1162810
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.0 25.6
 139 13.2 10.8 16.2

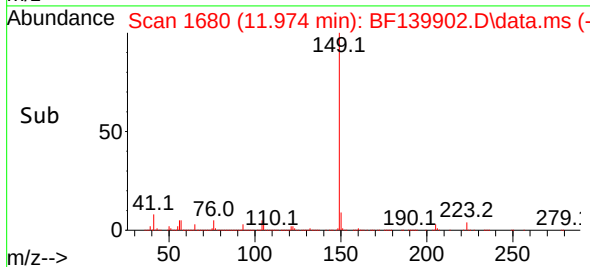
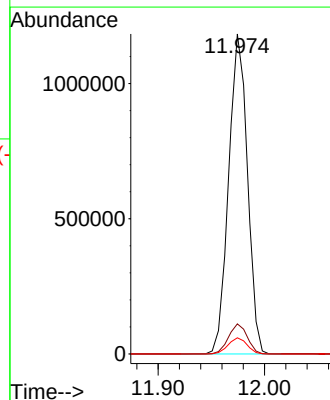
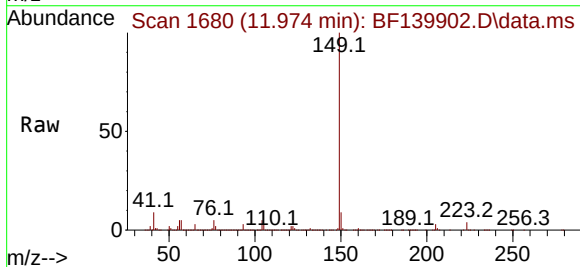
Manual Integrations
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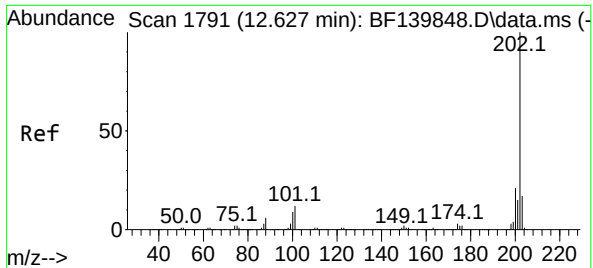
Reviewed By :Yogesh Patel 10/22/2024
 Supervised By :mohammad ahmed 10/23/2024



#74
 Di-n-butylphthalate
 Concen: 51.894 ng
 RT: 11.974 min Scan# 1680
 Delta R.T. 0.000 min
 Lab File: BF139902.D
 Acq: 21 Oct 2024 14:47

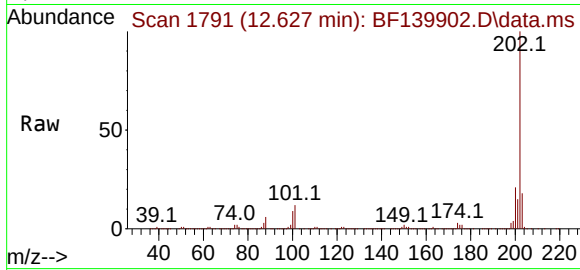
Tgt Ion:149 Resp: 1448476
 Ion Ratio Lower Upper
 149 100
 150 9.4 7.5 11.3
 104 5.1 4.1 6.1





#75
Fluoranthene
Concen: 47.146 ng
RT: 12.627 min Scan# 1791
Delta R.T. 0.000 min
Lab File: BF139902.D
Acq: 21 Oct 2024 14:47

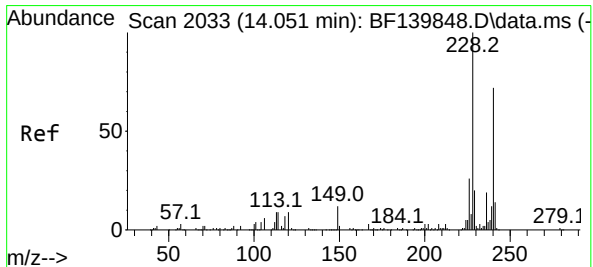
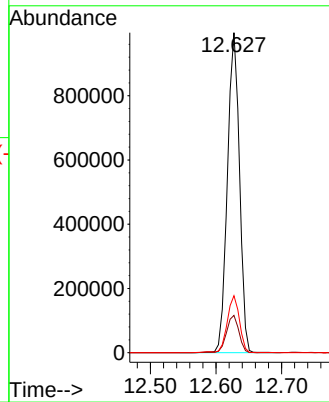
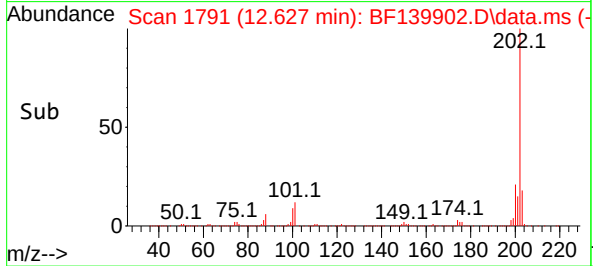
Instrument :
BNA_F
ClientSampleId :
SP-3MS



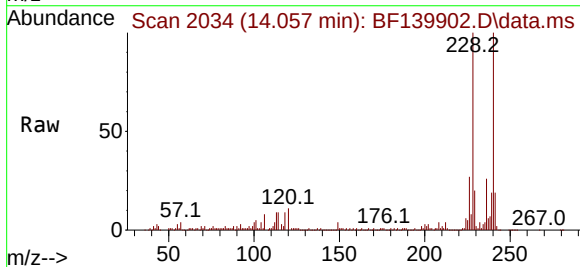
Tgt Ion:202 Resp: 1268974
Ion Ratio Lower Upper
202 100
101 11.7 0.0 31.9
203 17.8 0.0 37.5

Manual Integrations
APPROVED

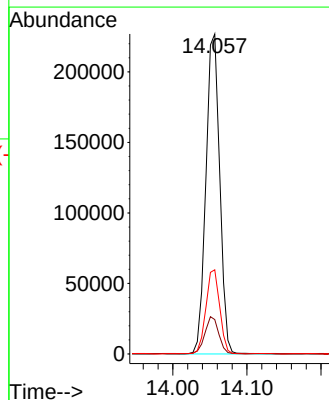
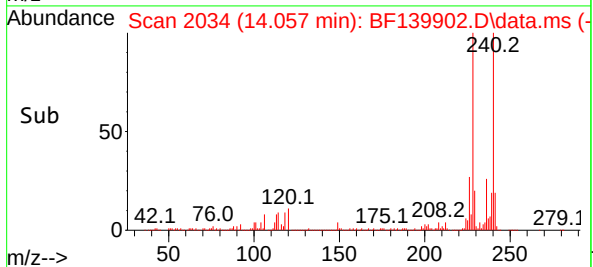
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024

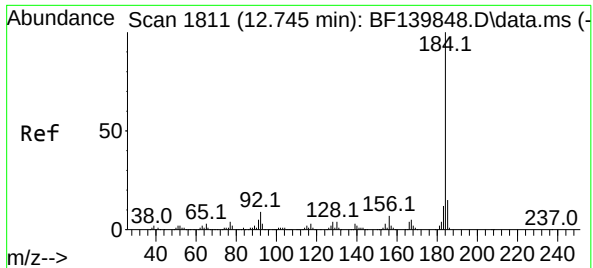


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. 0.006 min
Lab File: BF139902.D
Acq: 21 Oct 2024 14:47



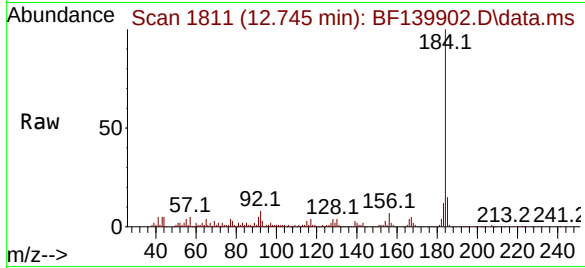
Tgt Ion:240 Resp: 294671
Ion Ratio Lower Upper
240 100
120 10.8 9.4 14.2
236 26.3 20.9 31.3





#77
Benzidine
Concen: 26.142 ng
RT: 12.745 min Scan# 1811
Delta R.T. -0.000 min
Lab File: BF139902.D
Acq: 21 Oct 2024 14:47

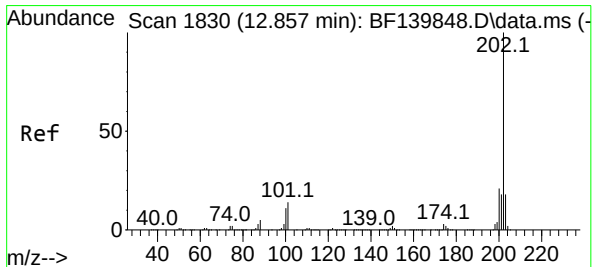
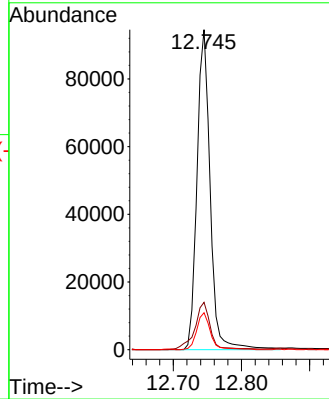
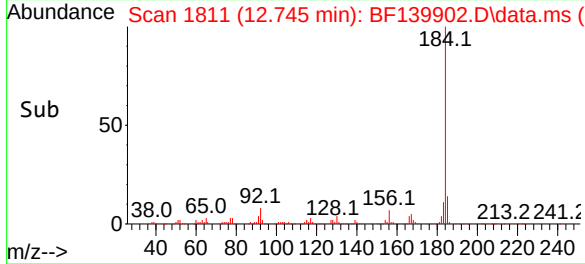
Instrument :
BNA_F
ClientSampleId :
SP-3MS



Tgt Ion:184 Resp: 126669
Ion Ratio Lower Upper
184 100
185 14.8 12.0 18.0
183 11.6 9.4 14.2

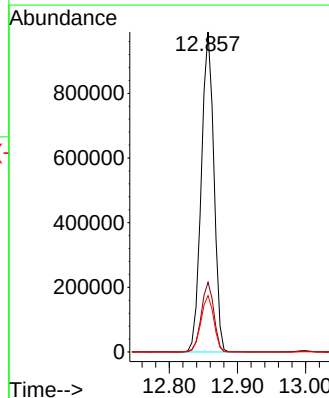
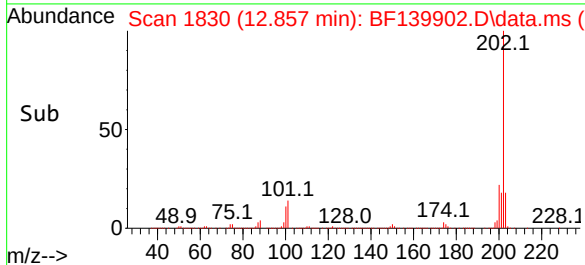
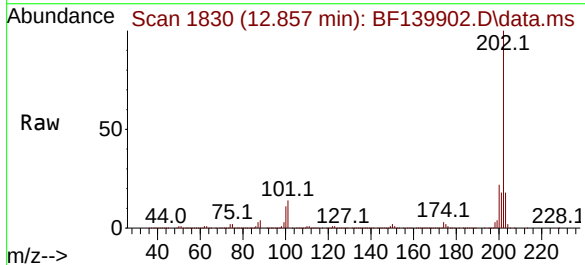
Manual Integrations
APPROVED

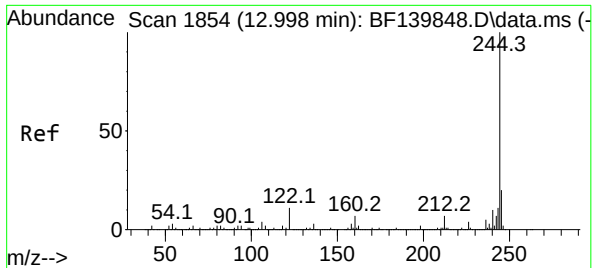
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



#78
Pyrene
Concen: 49.134 ng
RT: 12.857 min Scan# 1830
Delta R.T. 0.000 min
Lab File: BF139902.D
Acq: 21 Oct 2024 14:47

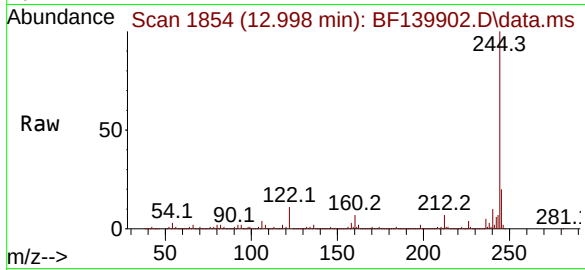
Tgt Ion:202 Resp: 1267349
Ion Ratio Lower Upper
202 100
200 21.8 17.2 25.8
203 17.6 14.2 21.4





#79
Terphenyl-d14
Concen: 84.247 ng
RT: 12.998 min Scan# 1854
Delta R.T. 0.000 min
Lab File: BF139902.D
Acq: 21 Oct 2024 14:47

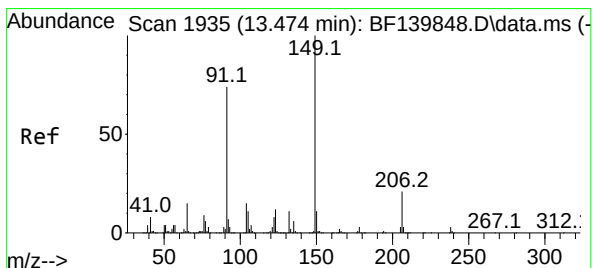
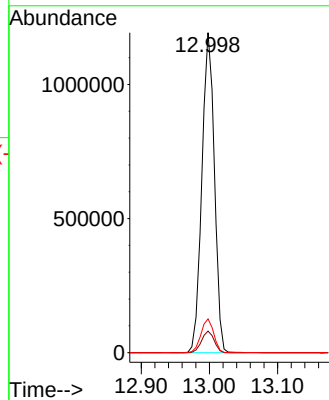
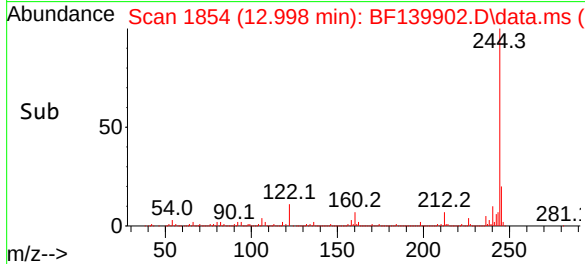
Instrument :
BNA_F
ClientSampleId :
SP-3MS



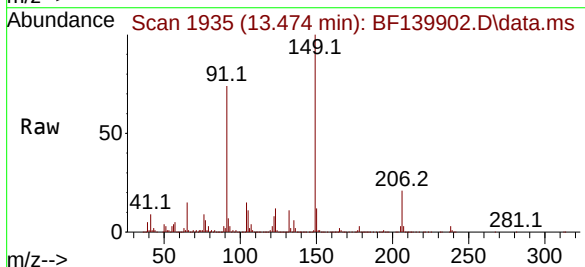
Tgt Ion:244 Resp: 152349
Ion Ratio Lower Upper
244 100
212 6.8 5.7 8.5
122 10.6 8.6 13.0

Manual Integrations
APPROVED

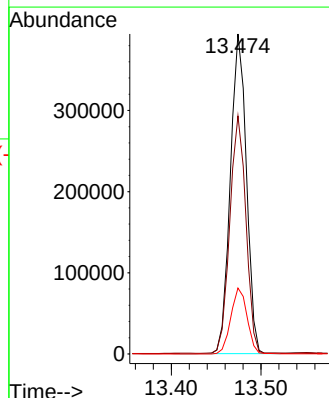
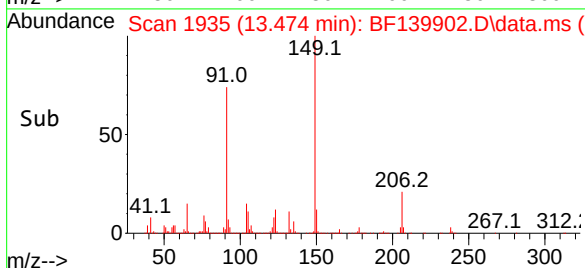
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024

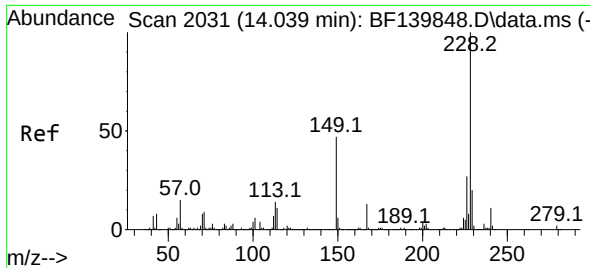


#80
Butylbenzylphthalate
Concen: 63.225 ng
RT: 13.474 min Scan# 1935
Delta R.T. 0.000 min
Lab File: BF139902.D
Acq: 21 Oct 2024 14:47



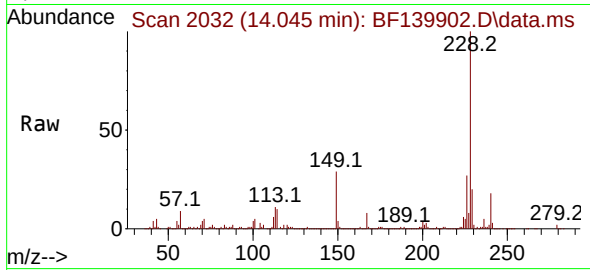
Tgt Ion:149 Resp: 488917
Ion Ratio Lower Upper
149 100
91 74.4 59.4 89.2
206 20.6 16.4 24.6





#81
Benzo(a)anthracene
Concen: 53.113 ng
RT: 14.045 min Scan# 2031
Delta R.T. 0.006 min
Lab File: BF139902.D
Acq: 21 Oct 2024 14:47

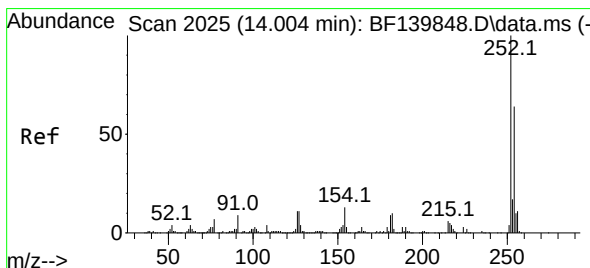
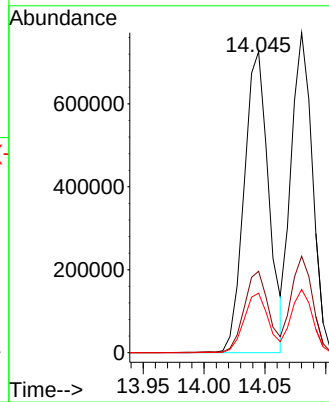
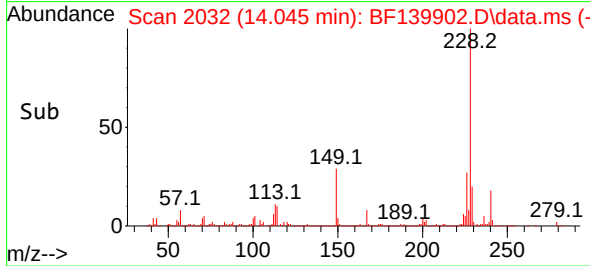
Instrument :
BNA_F
ClientSampleId :
SP-3MS



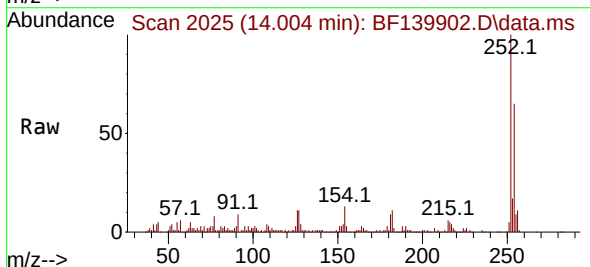
Tgt Ion:228 Resp: 1018819
Ion Ratio Lower Upper
228 100
226 27.0 21.6 32.4
229 19.8 16.1 24.1

Manual Integrations
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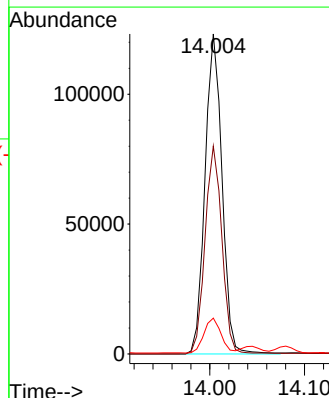
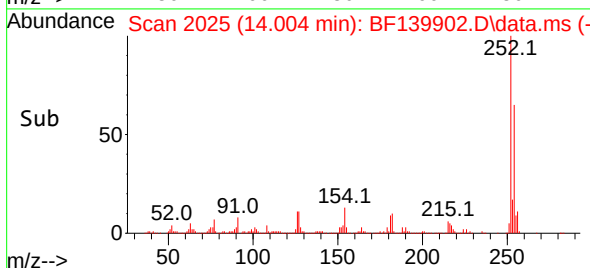
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024

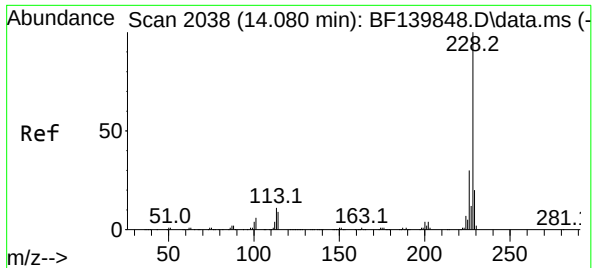


#82
3,3'-Dichlorobenzidine
Concen: 27.464 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF139902.D
Acq: 21 Oct 2024 14:47



Tgt Ion:252 Resp: 153603
Ion Ratio Lower Upper
252 100
254 65.0 50.8 76.2
126 11.2 8.9 13.3





#83

Chrysene

Concen: 53.330 ng

RT: 14.080 min Scan# 2038

Delta R.T. 0.000 min

Lab File: BF139902.D

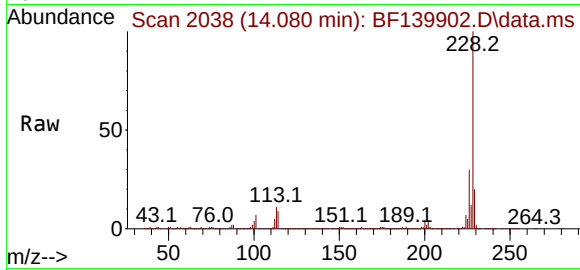
Acq: 21 Oct 2024 14:47

Instrument :

BNA_F

ClientSampleId :

SP-3MS



Tgt Ion:228 Resp: 937944

Ion Ratio Lower Upper

228 100

226 30.1 24.1 36.1

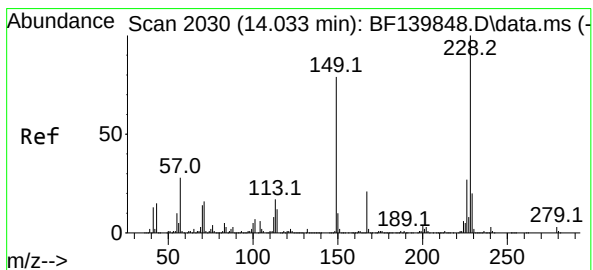
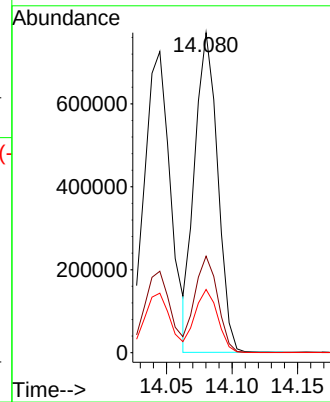
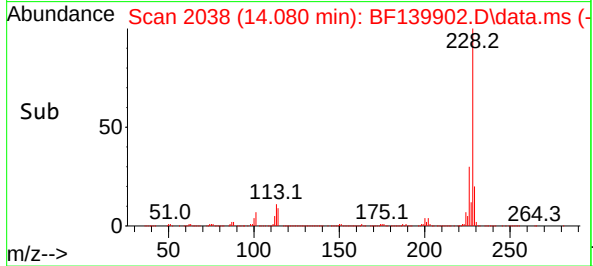
229 19.7 15.8 23.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/23/2024



#84

Bis(2-ethylhexyl)phthalate

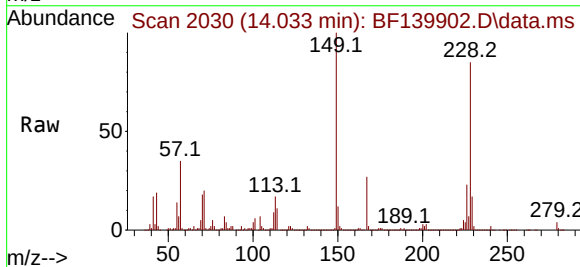
Concen: 69.637 ng

RT: 14.033 min Scan# 2030

Delta R.T. 0.000 min

Lab File: BF139902.D

Acq: 21 Oct 2024 14:47



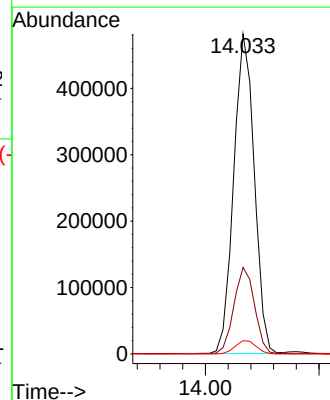
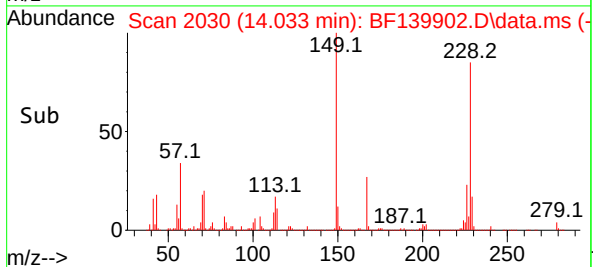
Tgt Ion:149 Resp: 604165

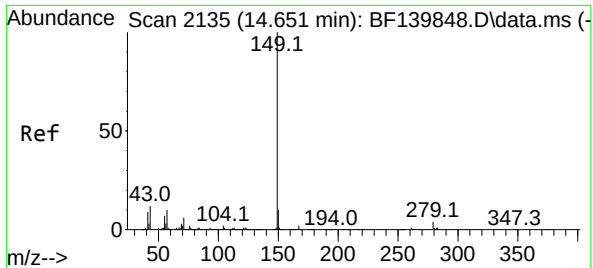
Ion Ratio Lower Upper

149 100

167 27.0 21.4 32.0

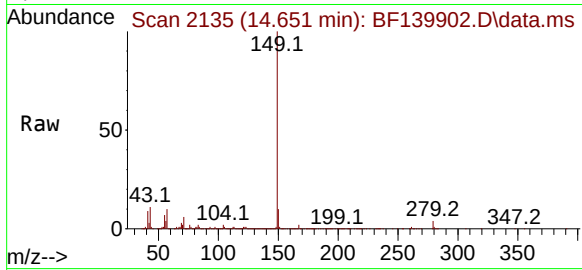
279 4.1 3.0 4.4





#85
Di-n-octyl phthalate
Concen: 64.672 ng
RT: 14.651 min Scan# 2135
Delta R.T. -0.000 min
Lab File: BF139902.D
Acq: 21 Oct 2024 14:47

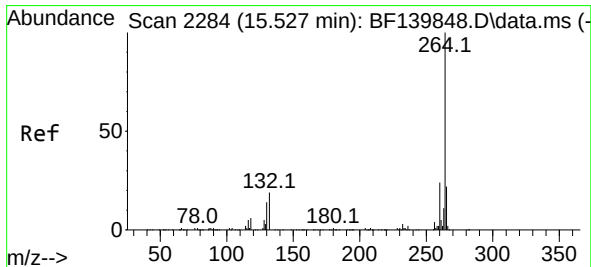
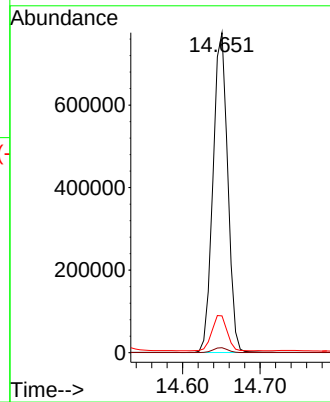
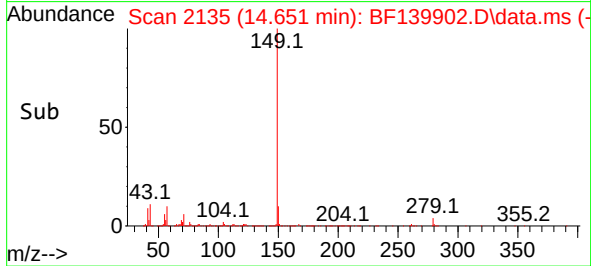
Instrument :
BNA_F
ClientSampleId :
SP-3MS



Tgt Ion:149 Resp: 102055
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 11.6 9.8 14.6

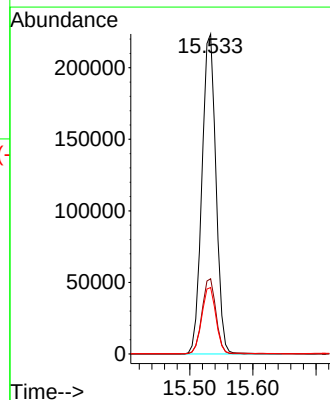
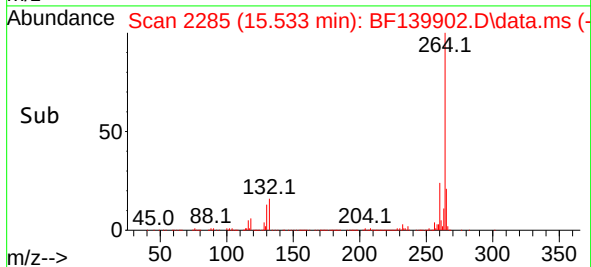
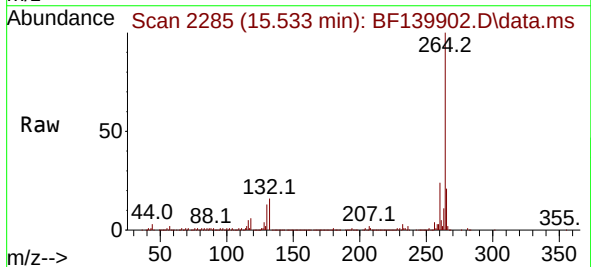
Manual Integrations
APPROVED

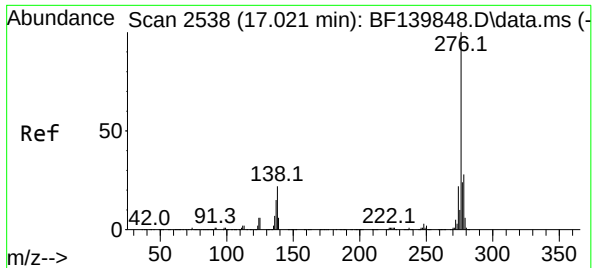
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2285
Delta R.T. 0.006 min
Lab File: BF139902.D
Acq: 21 Oct 2024 14:47

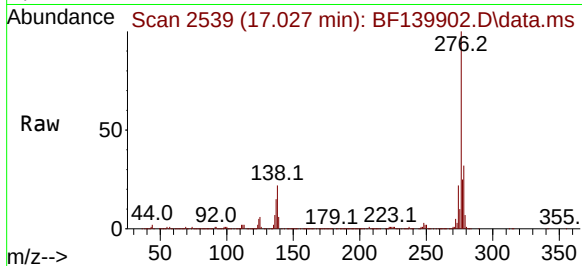
Tgt Ion:264 Resp: 343985
Ion Ratio Lower Upper
264 100
260 23.5 19.4 29.2
265 20.7 17.4 26.0





#87
Indeno(1,2,3-cd)pyrene
Concen: 47.523 ng
RT: 17.027 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF139902.D
Acq: 21 Oct 2024 14:47

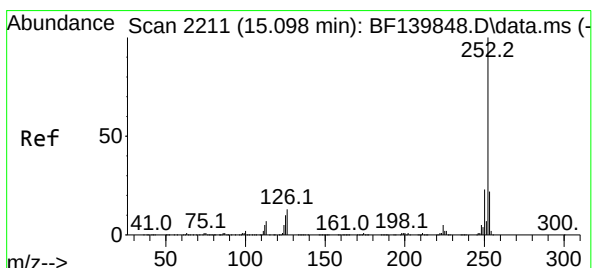
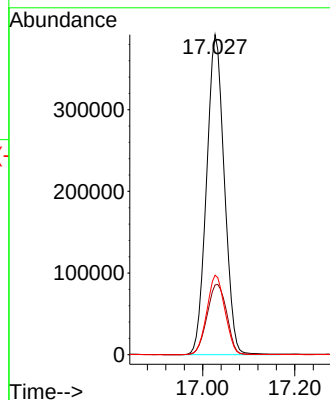
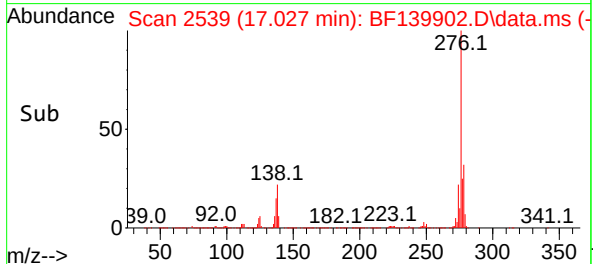
Instrument :
BNA_F
ClientSampleId :
SP-3MS



Tgt Ion:276 Resp: 105165
Ion Ratio Lower Upper
276 100
138 24.4 20.4 30.6
277 25.4 20.2 30.4

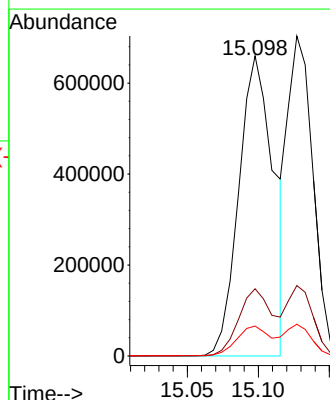
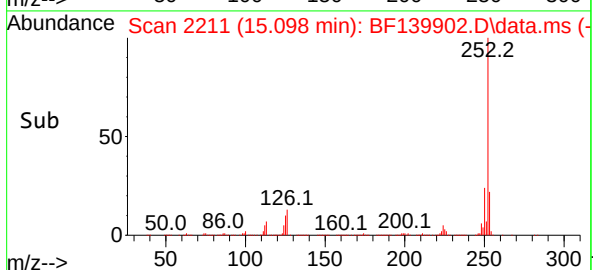
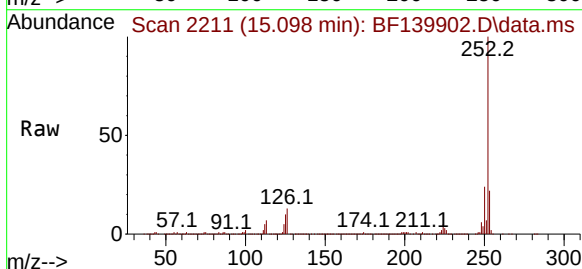
Manual Integrations
APPROVED

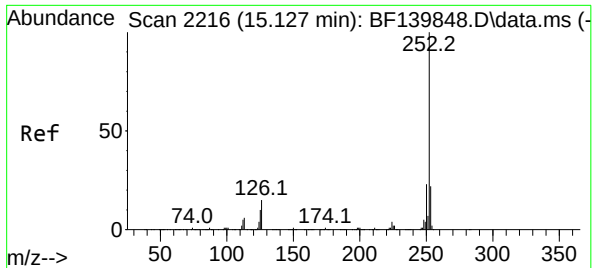
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



#88
Benzo(b)fluoranthene
Concen: 53.564 ng
RT: 15.098 min Scan# 2211
Delta R.T. 0.000 min
Lab File: BF139902.D
Acq: 21 Oct 2024 14:47

Tgt Ion:252 Resp: 1122393
Ion Ratio Lower Upper
252 100
253 22.4 17.6 26.4
125 10.0 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 48.038 ng

RT: 15.127 min Scan# 2216

Delta R.T. 0.000 min

Lab File: BF139902.D

Acq: 21 Oct 2024 14:47

Instrument :

BNA_F

ClientSampleId :

SP-3MS

Tgt Ion:252 Resp: 86810

Ion Ratio Lower Upper

252 100

253 22.0 17.6 26.4

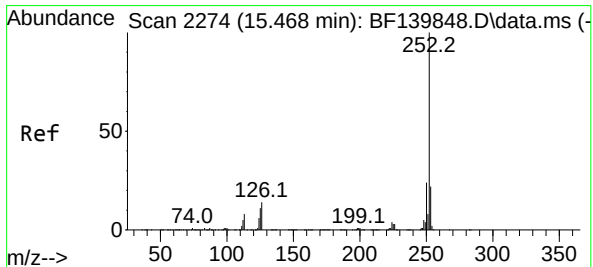
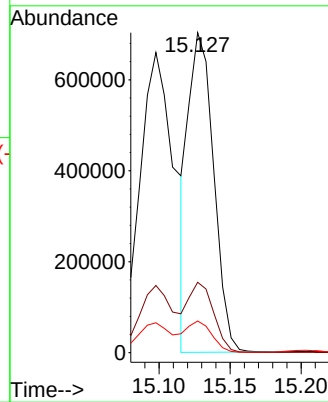
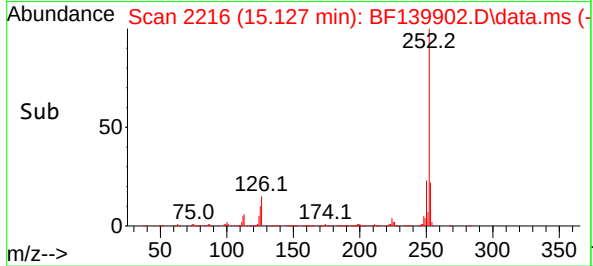
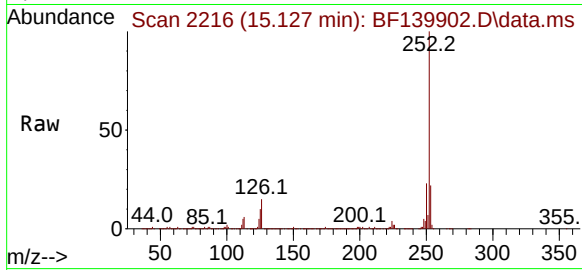
125 9.9 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/23/2024



#90

Benzo(a)pyrene

Concen: 55.816 ng

RT: 15.468 min Scan# 2274

Delta R.T. 0.000 min

Lab File: BF139902.D

Acq: 21 Oct 2024 14:47

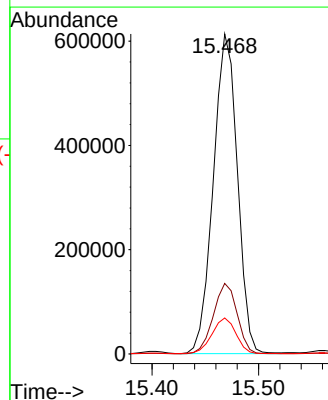
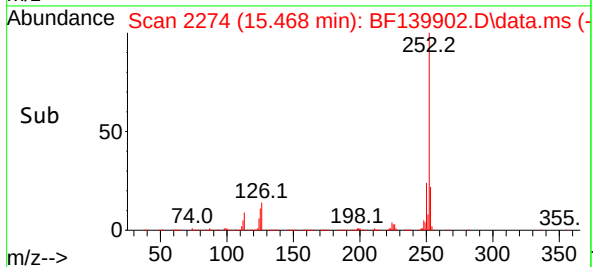
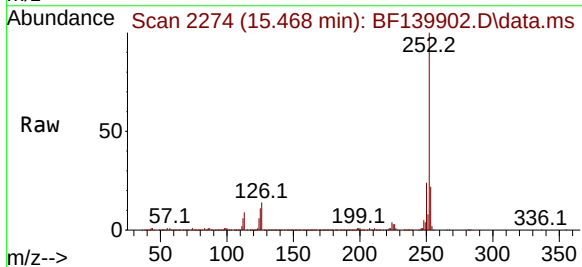
Tgt Ion:252 Resp: 962363

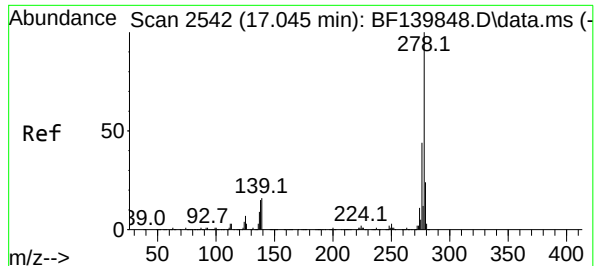
Ion Ratio Lower Upper

252 100

253 22.1 17.3 25.9

125 11.3 8.7 13.1





#91

Dibenzo(a,h)anthracene

Concen: 46.818 ng

RT: 17.051 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF139902.D

Acq: 21 Oct 2024 14:47

Instrument :

BNA_F

ClientSampleId :

SP-3MS

Tgt Ion:278 Resp: 86431

Ion Ratio Lower Upper

278 100

139 15.4 13.1 19.7

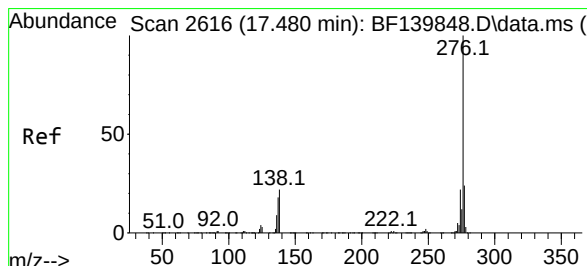
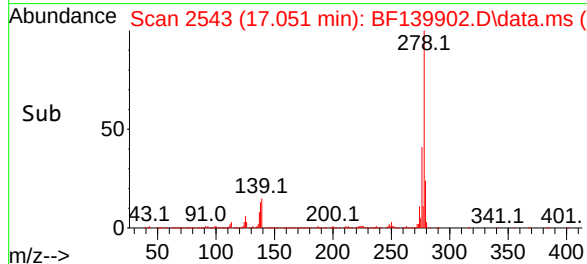
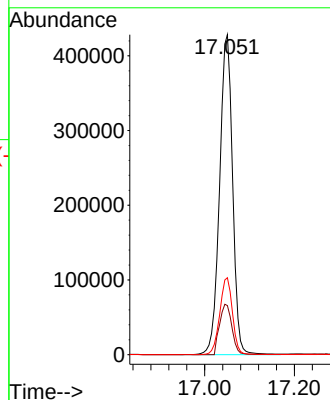
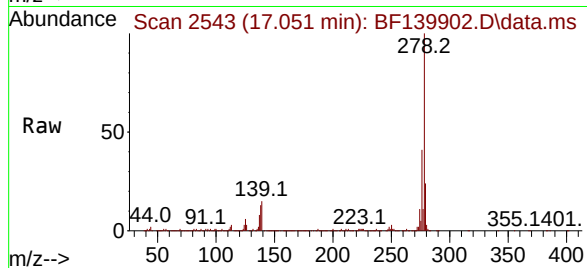
279 24.1 19.0 28.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/23/2024



#92

Benzo(g,h,i)perylene

Concen: 41.548 ng

RT: 17.480 min Scan# 2616

Delta R.T. 0.000 min

Lab File: BF139902.D

Acq: 21 Oct 2024 14:47

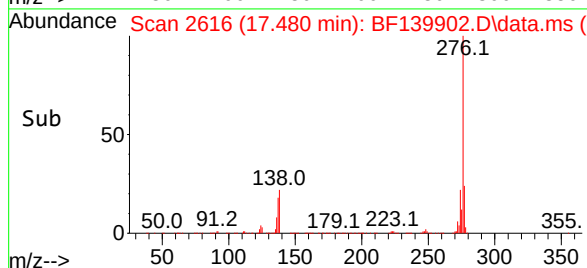
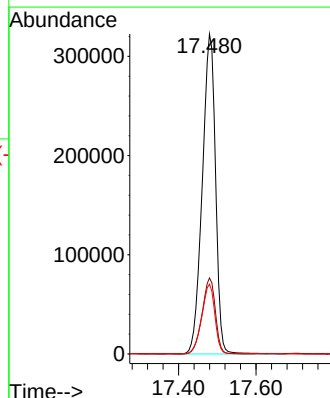
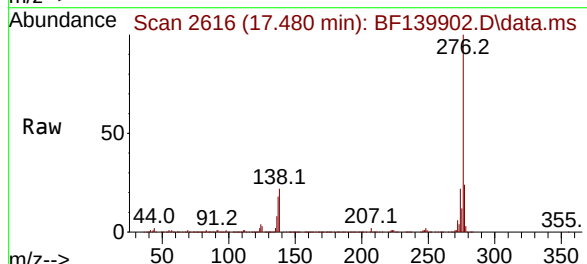
Tgt Ion:276 Resp: 766144

Ion Ratio Lower Upper

276 100

277 23.7 19.0 28.6

138 21.8 17.4 26.0



Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-3MSD	SDG No.:	P4385
Lab Sample ID:	P4385-06MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94.1
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
BF139903.D	1	10/11/24 09:38	10/21/24 15:15	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	780		190	350	ug/Kg
108-95-2	Phenol	1900		88.0	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1900		88.8	180	ug/Kg
95-57-8	2-Chlorophenol	1900		88.6	180	ug/Kg
95-48-7	2-Methylphenol	1900		85.5	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1900		96.4	180	ug/Kg
98-86-2	Acetophenone	1700		92.2	180	ug/Kg
65794-96-9	3+4-Methylphenols	1800		84.7	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1800		42.8	84.9	ug/Kg
67-72-1	Hexachloroethane	1800		88.1	180	ug/Kg
98-95-3	Nitrobenzene	1800		96.3	180	ug/Kg
78-59-1	Isophorone	1800		89.8	180	ug/Kg
88-75-5	2-Nitrophenol	2200		100	180	ug/Kg
105-67-9	2,4-Dimethylphenol	2100		98.9	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1800		91.0	180	ug/Kg
120-83-2	2,4-Dichlorophenol	1800		80.1	180	ug/Kg
91-20-3	Naphthalene	1800		87.6	180	ug/Kg
106-47-8	4-Chloroaniline	340		87.6	180	ug/Kg
87-68-3	Hexachlorobutadiene	1800		88.4	180	ug/Kg
105-60-2	Caprolactam	1900		92.1	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1800		82.2	180	ug/Kg
91-57-6	2-Methylnaphthalene	1800		87.5	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	5600	E	170	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	2000		75.8	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1800		78.5	180	ug/Kg
92-52-4	1,1-Biphenyl	1800		92.7	180	ug/Kg
91-58-7	2-Chloronaphthalene	1800		88.4	180	ug/Kg
88-74-4	2-Nitroaniline	2000		100	180	ug/Kg
131-11-3	Dimethylphthalate	1900		86.7	180	ug/Kg

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-3MSD	SDG No.:	P4385
Lab Sample ID:	P4385-06MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94.1
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
BF139903.D	1	10/11/24 09:38	10/21/24 15:15	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1900		91.8	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	1900		88.3	180	ug/Kg
99-09-2	3-Nitroaniline	1100		94.6	180	ug/Kg
83-32-9	Acenaphthene	2000		86.0	180	ug/Kg
51-28-5	2,4-Dinitrophenol	4400	E	260	350	ug/Kg
100-02-7	4-Nitrophenol	3700	E	120	350	ug/Kg
132-64-9	Dibenzofuran	1800		89.5	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	2000		91.5	180	ug/Kg
84-66-2	Diethylphthalate	1800		85.0	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1700		90.8	180	ug/Kg
86-73-7	Fluorene	1700		90.7	180	ug/Kg
100-01-6	4-Nitroaniline	1800		110	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2500		120	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1900		86.6	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1900		83.7	180	ug/Kg
118-74-1	Hexachlorobenzene	1800		90.2	180	ug/Kg
1912-24-9	Atrazine	2200		97.0	180	ug/Kg
87-86-5	Pentachlorophenol	3500	E	82.0	350	ug/Kg
85-01-8	Phenanthrene	1800		89.1	180	ug/Kg
120-12-7	Anthracene	1800		89.5	180	ug/Kg
86-74-8	Carbazole	1700		85.2	180	ug/Kg
84-74-2	Di-n-butylphthalate	1800		89.4	180	ug/Kg
206-44-0	Fluoranthene	1700		86.7	180	ug/Kg
129-00-0	Pyrene	1700		88.1	180	ug/Kg
85-68-7	Butylbenzylphthalate	2200		100	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	970		100	350	ug/Kg
56-55-3	Benzo(a)anthracene	1900		85.6	180	ug/Kg
218-01-9	Chrysene	1900		84.3	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2500		96.5	180	ug/Kg
117-84-0	Di-n-octyl phthalate	2300		120	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	1900		86.0	180	ug/Kg

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-3MSD	SDG No.:	P4385
Lab Sample ID:	P4385-06MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94.1
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
BF139903.D	1	10/11/24 09:38	10/21/24 15:15	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1800		87.6	180	ug/Kg
50-32-8	Benzo(a)pyrene	2000		98.7	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1600		82.9	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1600		86.1	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1400		85.0	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1800		92.1	180	ug/Kg
123-91-1	1,4-Dioxane	1700		120	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1900		79.3	180	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	117		30 (18) - 130 (112)	78%	SPK: 150
13127-88-3	Phenol-d6	116		30 (15) - 130 (107)	77%	SPK: 150
4165-60-0	Nitrobenzene-d5	87.2		30 (18) - 130 (107)	87%	SPK: 100
321-60-8	2-Fluorobiphenyl	83.0		30 (20) - 130 (109)	83%	SPK: 100
118-79-6	2,4,6-Tribromophenol	123		30 (10) - 130 (116)	82%	SPK: 150
1718-51-0	Terphenyl-d14	82.8		30 (10) - 130 (105)	83%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	163000	6.893			
1146-65-2	Naphthalene-d8	638000	8.175			
15067-26-2	Acenaphthene-d10	344000	9.928			
1517-22-2	Phenanthrene-d10	571000	11.416			
1719-03-5	Chrysene-d12	299000	14.057			
1520-96-3	Perylene-d12	341000	15.533			

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\BF102124\
 Data File : BF139903.D
 Acq On : 21 Oct 2024 15:15
 Operator : RC/JU
 Sample : P4385-06MSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SP-3MSD

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/23/2024

Quant Time: Oct 21 15:41:49 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Oct 18 15:07:50 2024

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	163321	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	638402	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	343933	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	570576	20.000	ng	0.00
76) Chrysene-d12	14.057	240	298930	20.000	ng	0.00
86) Perylene-d12	15.533	264	341306	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1217137	116.667	ng	0.02
7) Phenol-d6	6.510	99	1562444	115.635	ng	0.00
23) Nitrobenzene-d5	7.451	82	1004005	87.164	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	395137	122.826	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1728221	83.046	ng	0.00
79) Terphenyl-d14	12.998	244	1518139	82.754	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.769	88	228063	46.886	ng	97
3) Pyridine	3.522	79	577738	47.918	ng	99
4) n-Nitrosodimethylamine	3.475	42	328170	50.661	ng	99
6) Aniline	6.551	93	358661	28.481	ng	97
8) 2-Chlorophenol	6.675	128	577767	54.173	ng	98
9) Benzaldehyde	6.440	77	168270	22.137	ng	99
10) Phenol	6.528	94	745044m	53.484	ng	
11) bis(2-Chloroethyl)ether	6.622	93	565575	52.529	ng	100
12) 1,3-Dichlorobenzene	6.834	146	612426	50.023	ng	99
13) 1,4-Dichlorobenzene	6.910	146	614872	50.270	ng	99
14) 1,2-Dichlorobenzene	7.057	146	595411	52.158	ng	99
15) Benzyl Alcohol	7.028	79	538497	54.331	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.163	45	960673	52.327	ng	99
17) 2-Methylphenol	7.134	107	484216	53.244	ng	100
18) Hexachloroethane	7.404	117	222977	51.121	ng	98
19) n-Nitroso-di-n-propyla...	7.304	70	416456	50.819	ng	98
20) 3+4-Methylphenols	7.287	107	583044	50.123	ng	94
22) Acetophenone	7.298	105	771816	49.360	ng	100
24) Nitrobenzene	7.469	77	633055	50.127	ng	100
25) Isophorone	7.710	82	1143161	52.289	ng	100
26) 2-Nitrophenol	7.787	139	290123	60.895	ng	97
27) 2,4-Dimethylphenol	7.816	122	465684	58.619	ng	100
28) bis(2-Chloroethoxy)met...	7.922	93	680176	51.351	ng	100
29) 2,4-Dichlorophenol	8.022	162	472543	52.222	ng	99
30) 1,2,4-Trichlorobenzene	8.110	180	490878	49.026	ng	98
31) Naphthalene	8.192	128	1636861	49.715	ng	100
32) Benzoic acid	7.934	122	371322	53.590	ng	96
33) 4-Chloroaniline	8.240	127	106463	9.483	ng	98
34) Hexachlorobutadiene	8.310	225	315778	50.195	ng	100
35) Caprolactam	8.610	113	156599m	54.428	ng	
36) 4-Chloro-3-methylphenol	8.716	107	512994	51.199	ng	97
37) 2-Methylnaphthalene	8.887	142	1022931	50.729	ng	100
38) 1-Methylnaphthalene	8.987	142	958193	48.433	ng	100
40) 1,2,4,5-Tetrachloroben...	9.051	216	472211	50.891	ng	99
41) Hexachlorocyclopentadiene	9.039	237	509293	157.746	ng	99
43) 2,4,6-Trichlorophenol	9.157	196	365986	55.712	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102124\
 Data File : BF139903.D
 Acq On : 21 Oct 2024 15:15
 Operator : RC/JU
 Sample : P4385-06MSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-3MSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/22/2024
 Supervised By :mohammad ahmed 10/23/2024

Quant Time: Oct 21 15:41:49 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	348599	51.433	ng	99
46) 1,1'-Biphenyl	9.351	154	1207748	50.443	ng	99
47) 2-Chloronaphthalene	9.375	162	976951	50.662	ng	99
48) 2-Nitroaniline	9.469	65	335852	56.945	ng	94
49) Acenaphthylene	9.792	152	1505400	53.998	ng	99
50) Dimethylphthalate	9.651	163	1138290	53.134	ng	100
51) 2,6-Dinitrotoluene	9.710	165	250213	53.943	ng	98
52) Acenaphthene	9.963	154	1031445	57.193	ng	100
53) 3-Nitroaniline	9.875	138	147184	30.770	ng	98
54) 2,4-Dinitrophenol	9.981	184	244925	123.246	ng	# 1
55) Dibenzofuran	10.134	168	1320686	51.040	ng	99
56) 4-Nitrophenol	10.034	139	381655	103.707	ng	98
57) 2,4-Dinitrotoluene	10.116	165	326515	57.242	ng	98
58) Fluorene	10.481	166	974437	49.443	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.251	232	284032	53.457	ng	98
60) Diethylphthalate	10.351	149	1085654	51.614	ng	100
61) 4-Chlorophenyl-phenyle...	10.469	204	488451	49.077	ng	99
62) 4-Nitroaniline	10.492	138	224336	49.657	ng	98
63) Azobenzene	10.634	77	1348180	60.458	ng	89
65) 4,6-Dinitro-2-methylph...	10.522	198	164102	70.510	ng	92
66) n-Nitrosodiphenylamine	10.586	169	914399	53.545	ng	99
67) 4-Bromophenyl-phenylether	10.963	248	314167	53.448	ng	95
68) Hexachlorobenzene	11.022	284	345791	52.307	ng	99
69) Atrazine	11.116	200	286426	61.917	ng	99
70) Pentachlorophenol	11.216	266	396159	98.740	ng	99
71) Phenanthrene	11.439	178	1389005	51.537	ng	100
72) Anthracene	11.492	178	1357792	51.634	ng	100
73) Carbazole	11.645	167	1174574	48.028	ng	99
74) Di-n-butylphthalate	11.975	149	1467314	51.931	ng	100
75) Fluoranthene	12.627	202	1278160	46.912	ng	99
77) Benzidine	12.745	184	139256	28.330	ng	99
78) Pyrene	12.857	202	1284179	49.078	ng	100
80) Butylbenzylphthalate	13.475	149	497868	63.465	ng	100
81) Benzo(a)anthracene	14.045	228	1024399	52.643	ng	100
82) 3,3'-Dichlorobenzidine	14.004	252	155200	27.354	ng	99
83) Chrysene	14.080	228	957695	53.677	ng	99
84) Bis(2-ethylhexyl)phtha...	14.033	149	612765	69.622	ng	99
85) Di-n-octyl phthalate	14.651	149	1042738	65.136	ng	98
87) Indeno(1,2,3-cd)pyrene	17.027	276	1022588	46.572	ng	98
88) Benzo(b)fluoranthene	15.098	252	1120950	53.915	ng	100
89) Benzo(k)fluoranthene	15.127	252	916543	51.117	ng	100
90) Benzo(a)pyrene	15.468	252	977805	57.157	ng	99
91) Dibenzo(a,h)anthracene	17.051	278	836229	45.653	ng	99
92) Benzo(g,h,i)perylene	17.480	276	736293	40.243	ng	99

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

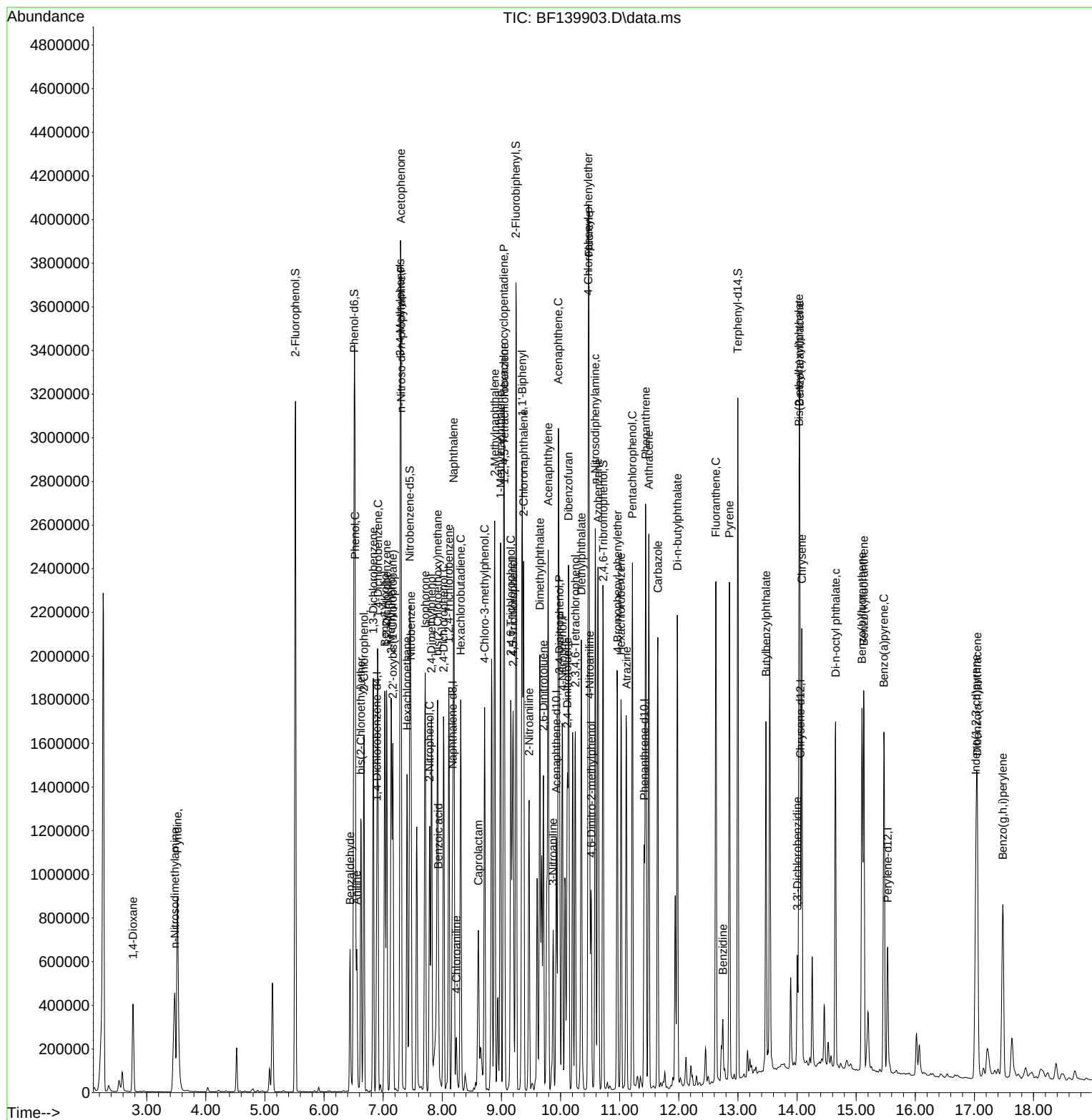
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Data File : BF139903.D
Acq On : 21 Oct 2024 15:15
Operator : RC/JU
Sample : P4385-06MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

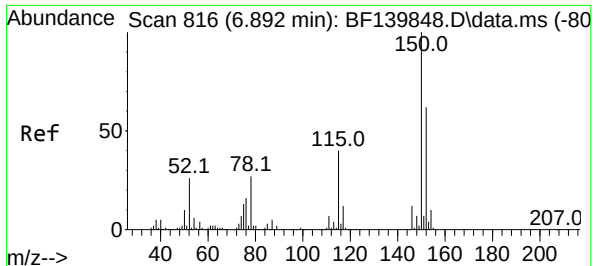
Instrument :
BNA_F
ClientSampleId :
SP-3MSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024

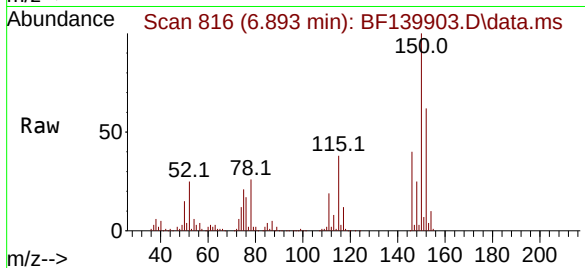
Quant Time: Oct 21 15:41:49 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 816
Delta R.T. 0.001 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

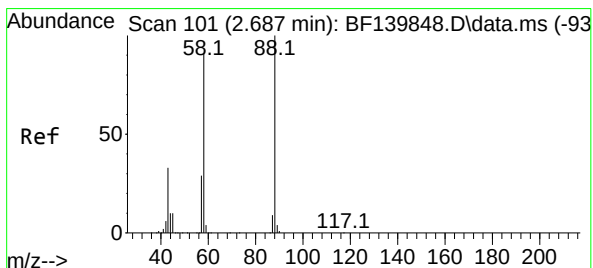
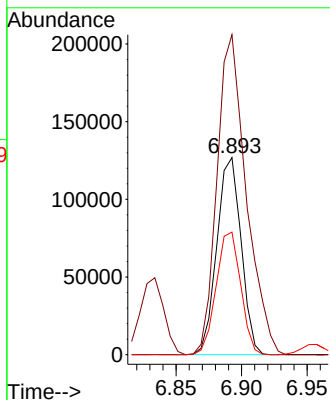
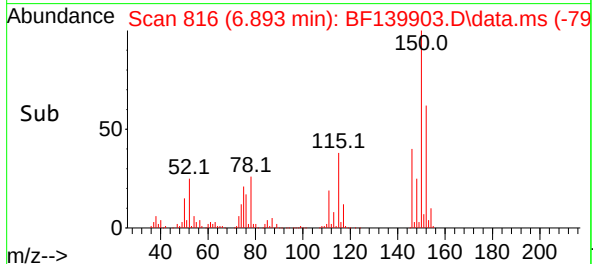
Instrument :
BNA_F
ClientSampleId :
SP-3MSD



Tgt Ion:152 Resp: 16332
Ion Ratio Lower Upper
152 100
150 162.3 130.2 195.2
115 62.2 51.4 77.2

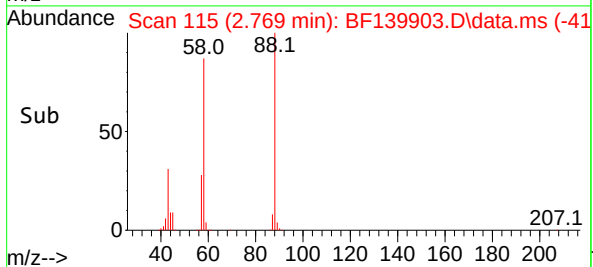
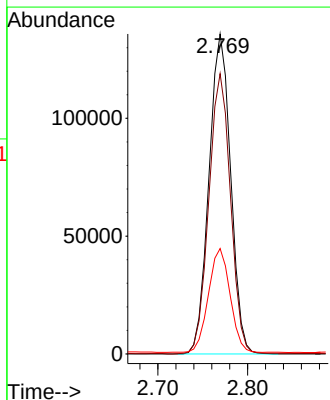
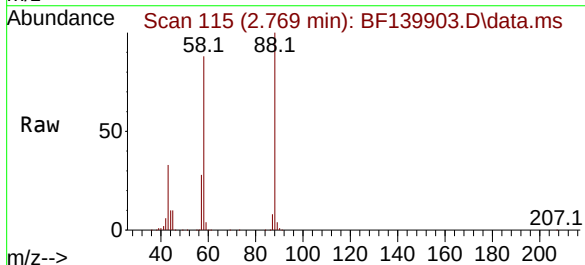
Manual Integrations
APPROVED

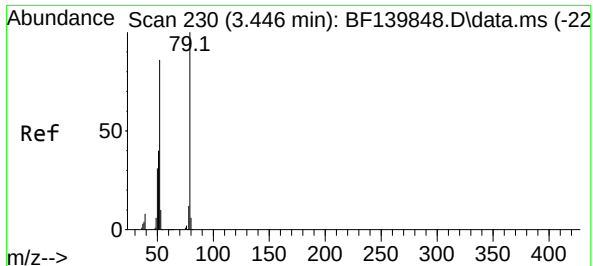
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



#2
1,4-Dioxane
Concen: 46.886 ng
RT: 2.769 min Scan# 115
Delta R.T. 0.083 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

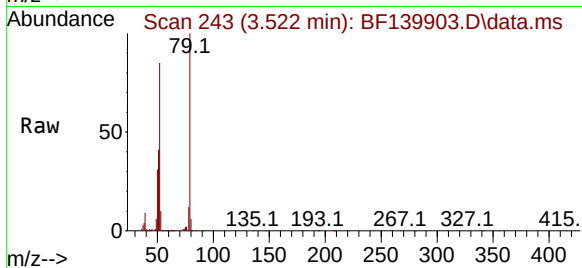
Tgt Ion: 88 Resp: 228063
Ion Ratio Lower Upper
88 100
58 88.0 73.3 109.9
43 32.4 27.1 40.7





#3
Pyridine
Concen: 47.918 ng
RT: 3.522 min Scan# 243
Delta R.T. 0.077 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

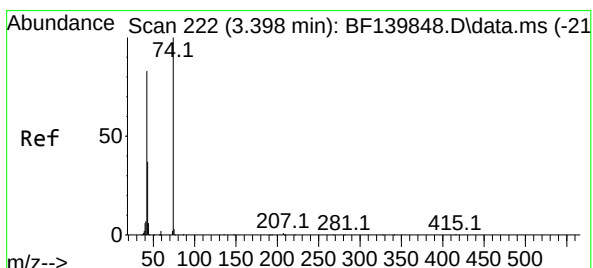
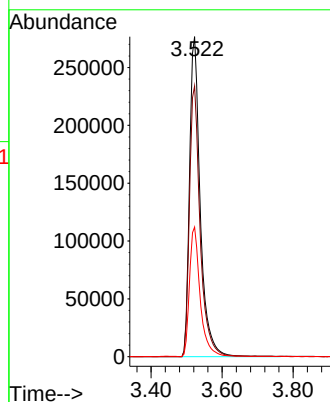
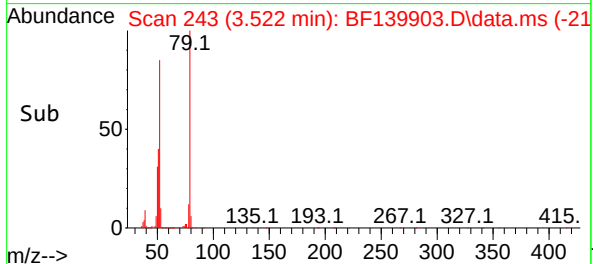
Instrument :
BNA_F
ClientSampleId :
SP-3MSD



Tgt Ion: 79 Resp: 577738
Ion Ratio Lower Upper
79 100
52 84.6 68.5 102.7
51 40.5 32.3 48.5

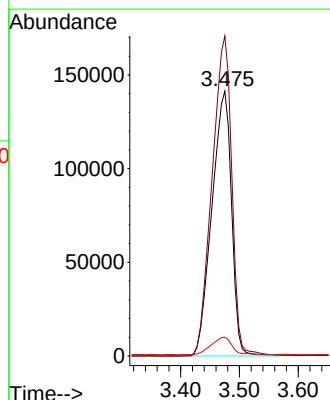
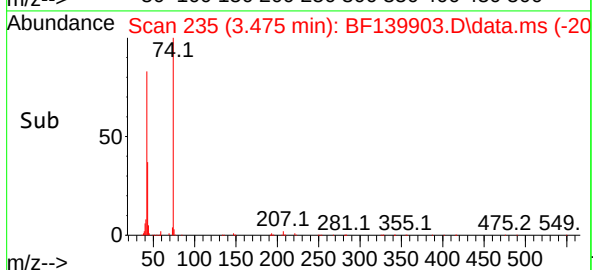
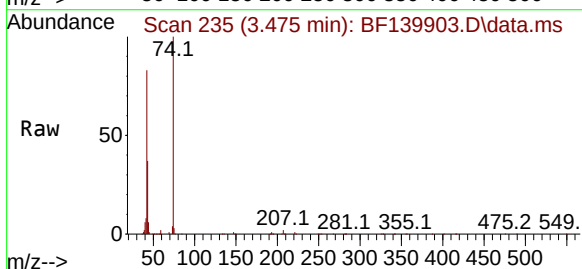
Manual Integrations
APPROVED

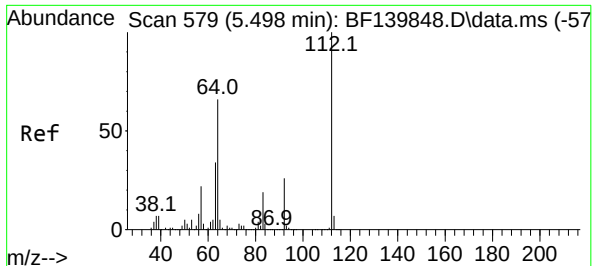
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



#4
n-Nitrosodimethylamine
Concen: 50.661 ng
RT: 3.475 min Scan# 235
Delta R.T. 0.077 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

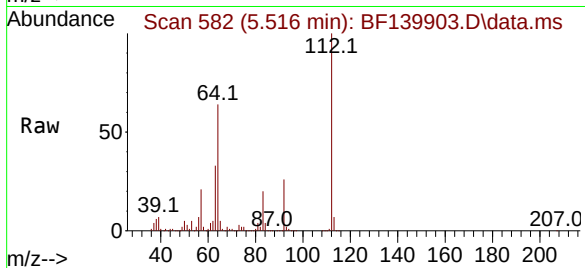
Tgt Ion: 42 Resp: 328170
Ion Ratio Lower Upper
42 100
74 120.8 96.2 144.4
44 7.1 6.2 9.2





#5
2-Fluorophenol
Concen: 116.667 ng
RT: 5.516 min Scan# 51
Delta R.T. 0.018 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

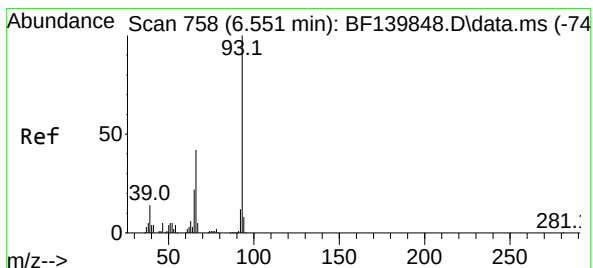
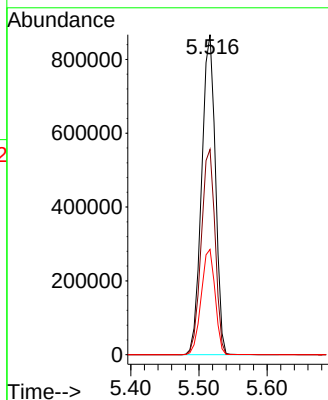
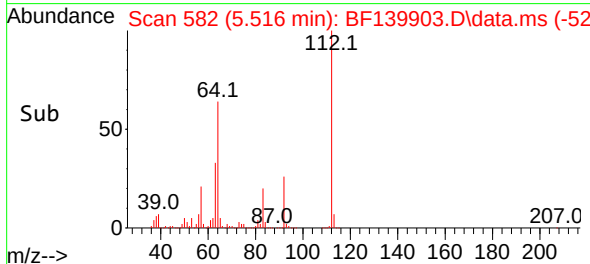
Instrument :
BNA_F
ClientSampleId :
SP-3MSD



Tgt Ion: 112 Resp: 121713
Ion Ratio Lower Upper
112 100
64 64.1 53.0 79.6
63 32.9 27.0 40.4

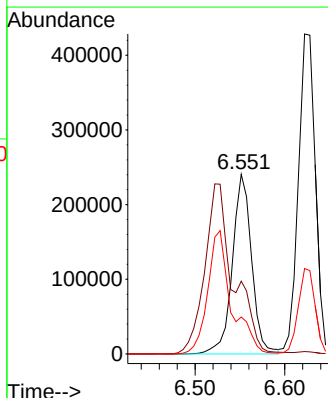
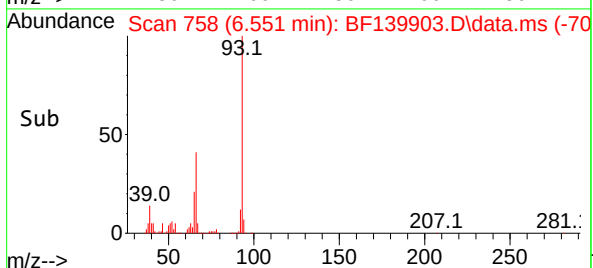
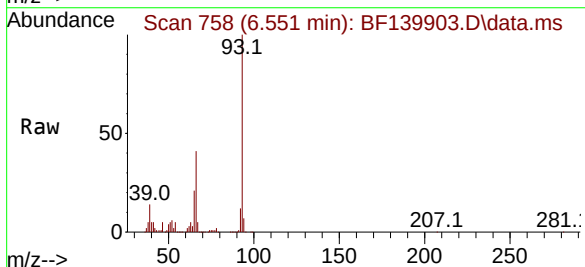
Manual Integrations
APPROVED

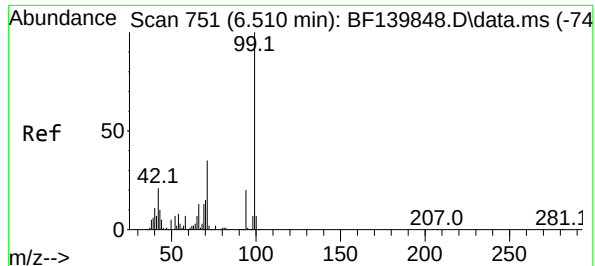
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



#6
Aniline
Concen: 28.481 ng
RT: 6.551 min Scan# 758
Delta R.T. 0.000 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

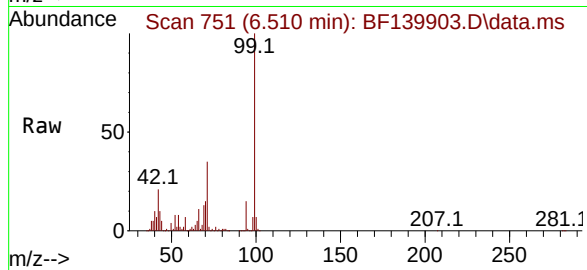
Tgt Ion: 93 Resp: 358661
Ion Ratio Lower Upper
93 100
66 40.5 34.0 51.0
65 20.6 17.4 26.0





#7
Phenol-d6
Concen: 115.635 ng
RT: 6.510 min Scan# 751
Delta R.T. 0.000 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

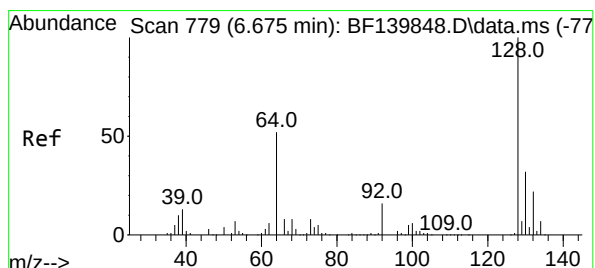
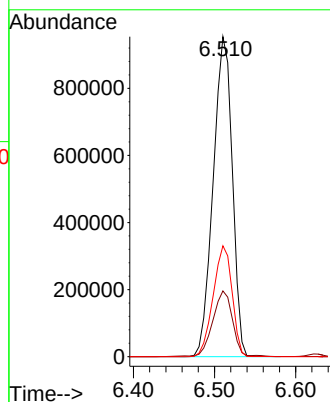
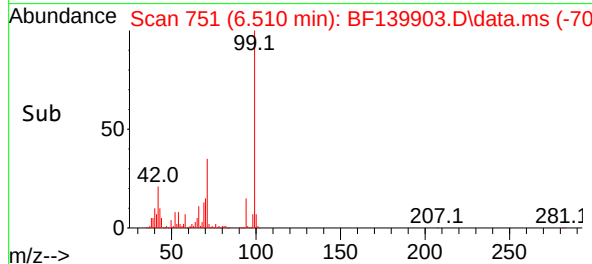
Instrument :
BNA_F
ClientSampleId :
SP-3MSD



Tgt Ion: 99 Resp: 156244
Ion Ratio Lower Upper
99 100
42 20.5 16.7 25.1
71 34.7 27.7 41.5

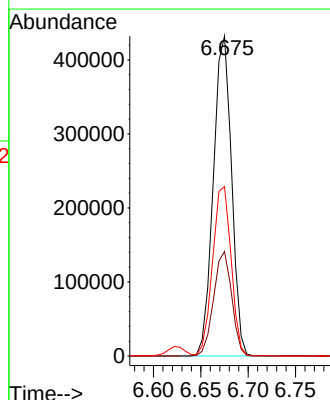
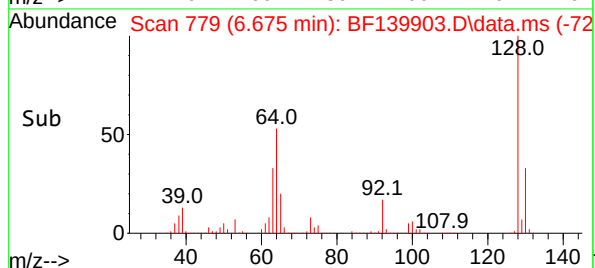
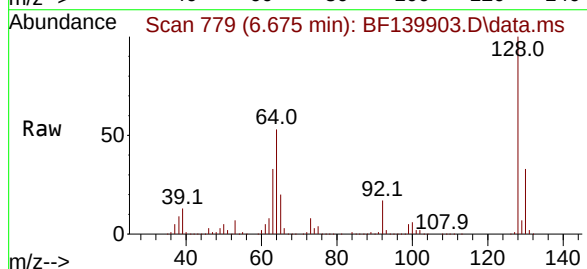
Manual Integrations
APPROVED

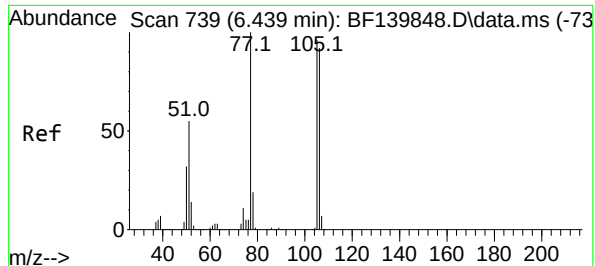
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



#8
2-Chlorophenol
Concen: 54.173 ng
RT: 6.675 min Scan# 779
Delta R.T. 0.000 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

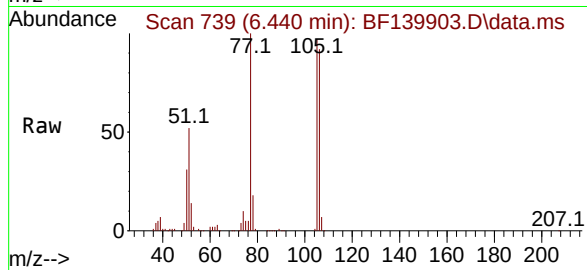
Tgt Ion:128 Resp: 577767
Ion Ratio Lower Upper
128 100
130 32.7 12.3 52.3
64 53.0 34.6 74.6





#9
Benzaldehyde
Concen: 22.137 ng
RT: 6.440 min Scan# 739
Delta R.T. 0.001 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

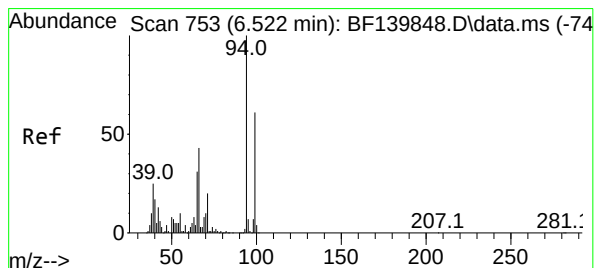
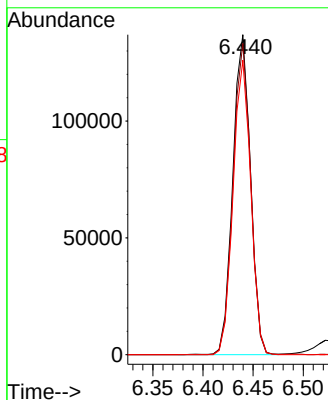
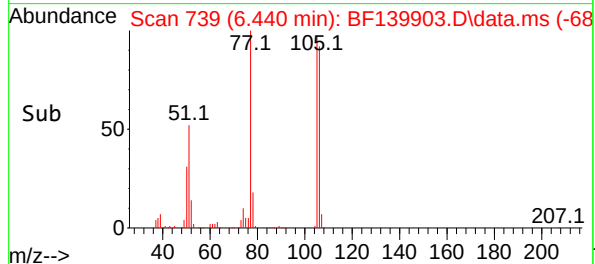
Instrument :
BNA_F
ClientSampleId :
SP-3MSD



Tgt Ion: 77 Resp: 168270
Ion Ratio Lower Upper
77 100
105 97.2 75.5 115.5
106 92.0 71.7 111.7

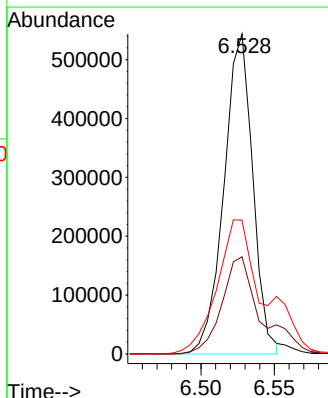
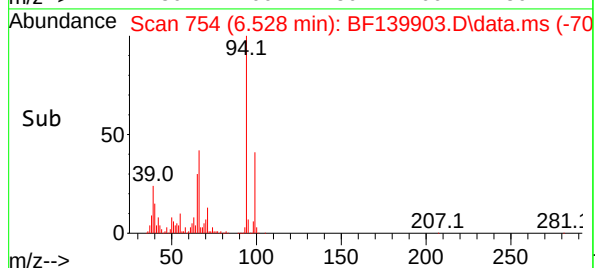
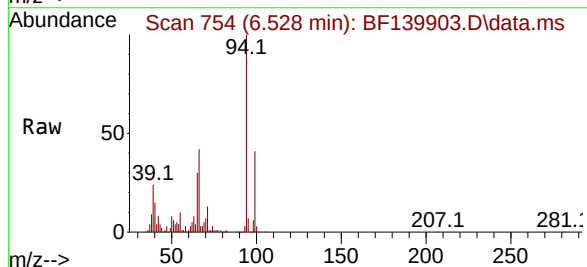
Manual Integrations
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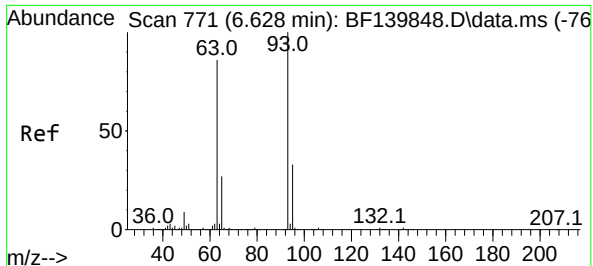
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



#10
Phenol
Concen: 53.484 ng m
RT: 6.528 min Scan# 754
Delta R.T. 0.006 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

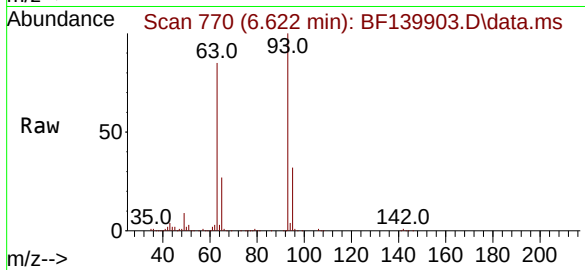
Tgt Ion: 94 Resp: 745044
Ion Ratio Lower Upper
94 100
65 30.4 11.1 51.1
66 41.8 22.7 62.7





#11
bis(2-Chloroethyl)ether
Concen: 52.529 ng
RT: 6.622 min Scan# 771
Delta R.T. -0.006 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

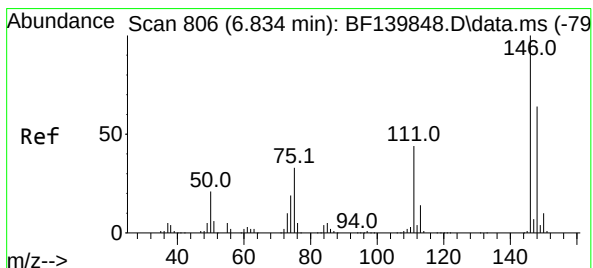
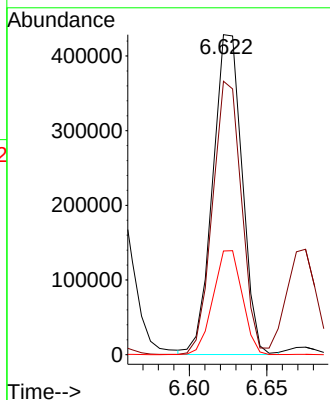
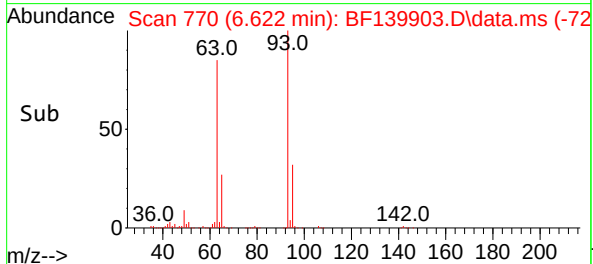
Instrument :
BNA_F
ClientSampleId :
SP-3MSD



Tgt Ion: 93 Resp: 56557
Ion Ratio Lower Upper
93 100
63 85.5 65.0 105.0
95 32.4 12.4 52.4

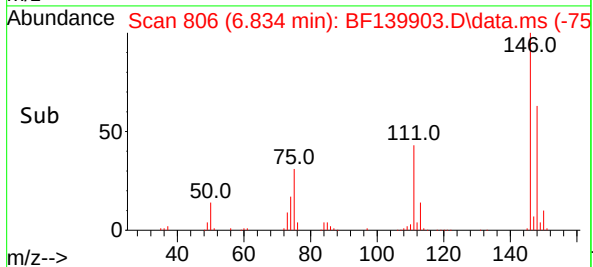
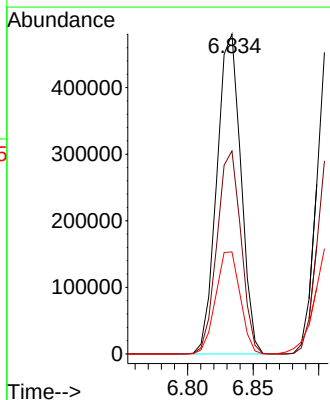
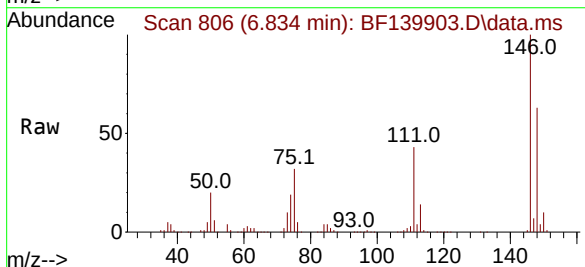
Manual Integrations
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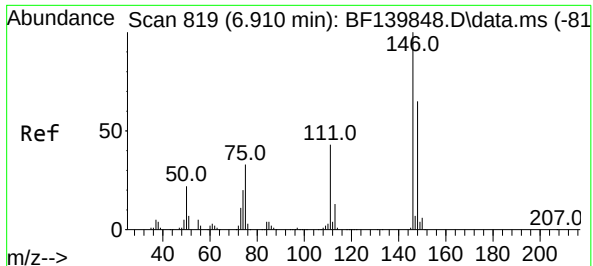
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



#12
1,3-Dichlorobenzene
Concen: 50.023 ng
RT: 6.834 min Scan# 806
Delta R.T. 0.000 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

Tgt Ion:146 Resp: 612426
Ion Ratio Lower Upper
146 100
148 63.5 51.0 76.4
75 31.9 26.4 39.6





#13

1,4-Dichlorobenzene

Concen: 50.270 ng

RT: 6.910 min Scan# 819

Delta R.T. 0.000 min

Lab File: BF139903.D

Acq: 21 Oct 2024 15:15

Instrument :

BNA_F

ClientSampleId :

SP-3MSD

Tgt Ion:146 Resp: 614872

Ion Ratio Lower Upper

146 100

148 64.1 51.8 77.8

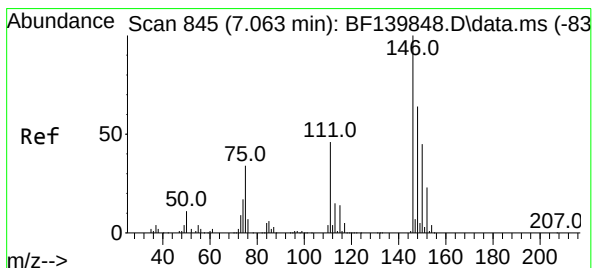
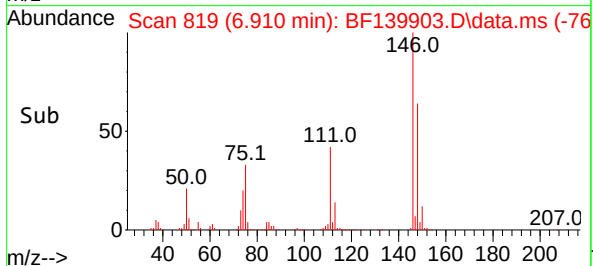
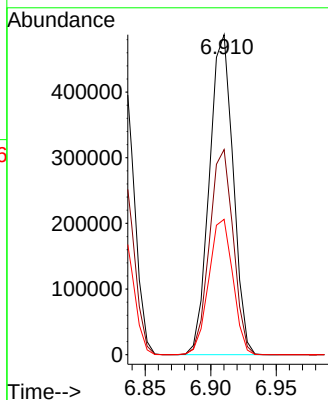
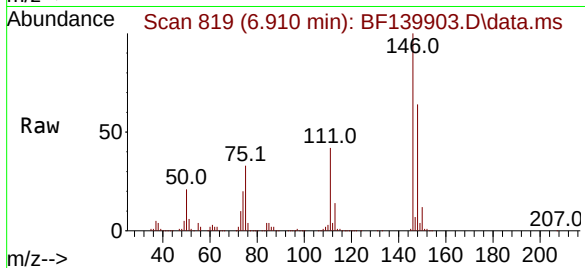
111 42.3 34.6 51.8

Manual Integrations

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Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/23/2024



#14

1,2-Dichlorobenzene

Concen: 52.158 ng

RT: 7.057 min Scan# 844

Delta R.T. -0.006 min

Lab File: BF139903.D

Acq: 21 Oct 2024 15:15

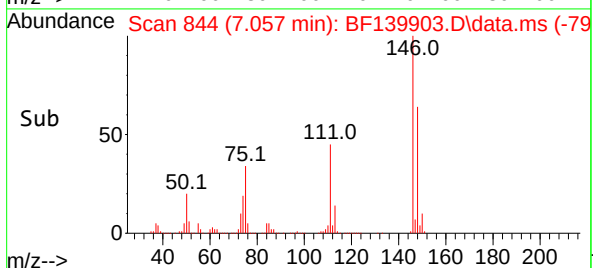
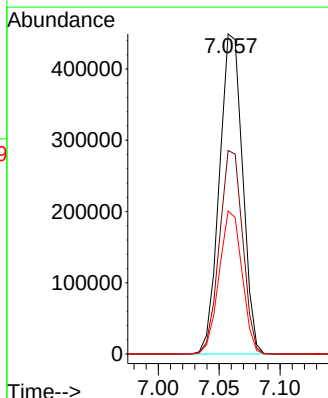
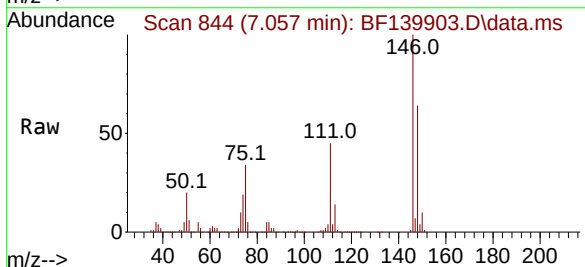
Tgt Ion:146 Resp: 595411

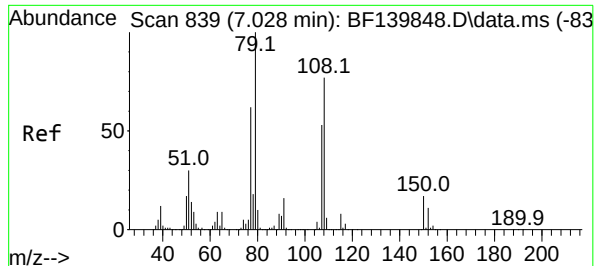
Ion Ratio Lower Upper

146 100

148 63.6 51.4 77.2

111 44.7 36.7 55.1





#15

Benzyl Alcohol

Concen: 54.331 ng

RT: 7.028 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF139903.D

Acq: 21 Oct 2024 15:15

Instrument :

BNA_F

ClientSampleId :

SP-3MSD

Tgt Ion: 79 Resp: 53849

Ion Ratio Lower Upper

79 100

108 76.6 61.4 92.0

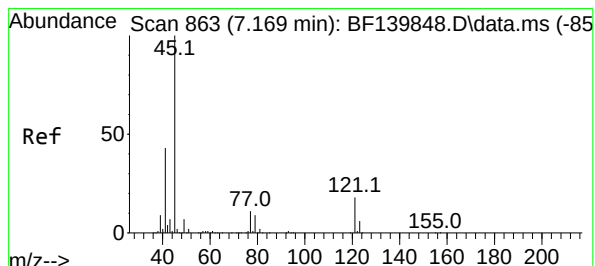
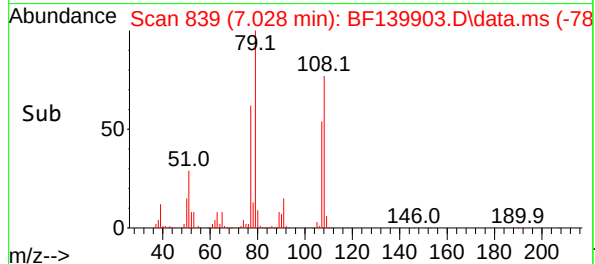
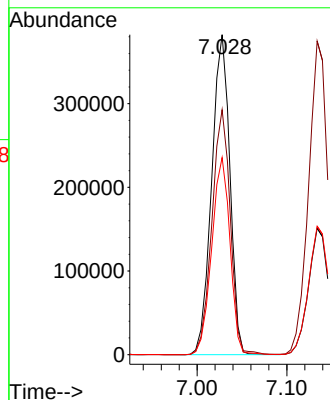
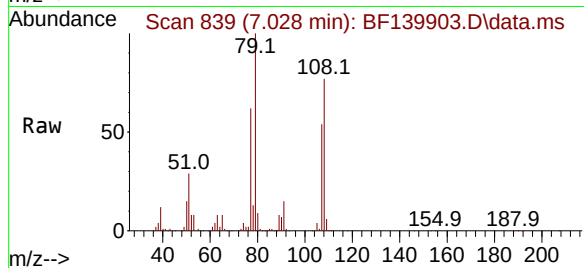
77 61.6 49.9 74.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/23/2024



#16

2,2'-oxybis(1-Chloropropane)

Concen: 52.327 ng

RT: 7.163 min Scan# 862

Delta R.T. -0.006 min

Lab File: BF139903.D

Acq: 21 Oct 2024 15:15

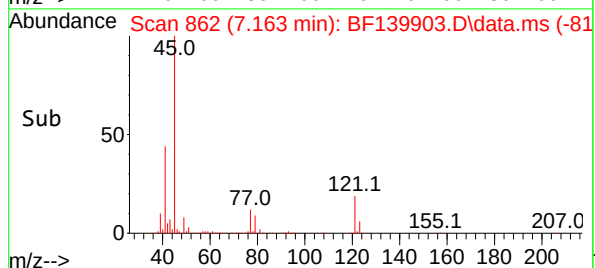
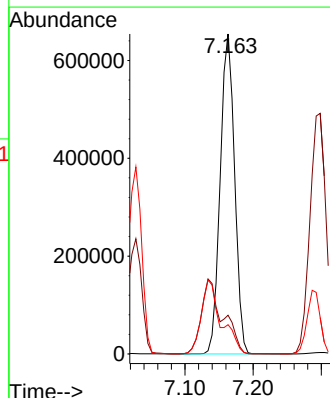
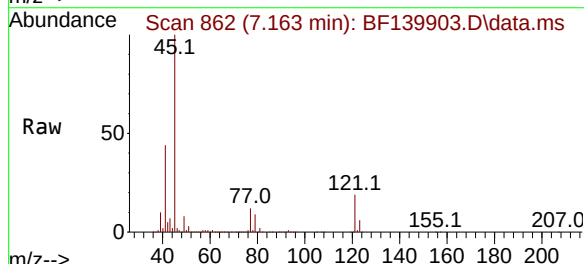
Tgt Ion: 45 Resp: 960673

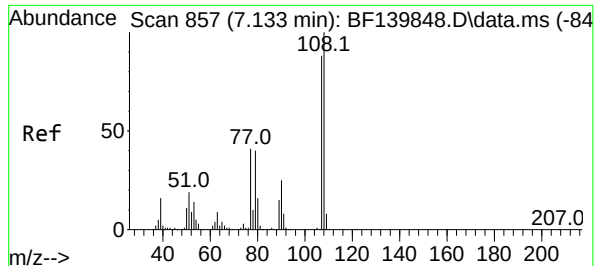
Ion Ratio Lower Upper

45 100

77 12.1 0.0 31.5

79 9.1 0.0 29.1





#17

2-Methylphenol

Concen: 53.244 ng

RT: 7.134 min Scan# 857

Delta R.T. 0.000 min

Lab File: BF139903.D

Acq: 21 Oct 2024 15:15

Instrument :

BNA_F

ClientSampleId :

SP-3MSD

Tgt Ion:107 Resp: 484210

Ion Ratio Lower Upper

107 100

108 113.6 91.3 136.9

77 46.5 37.1 55.7

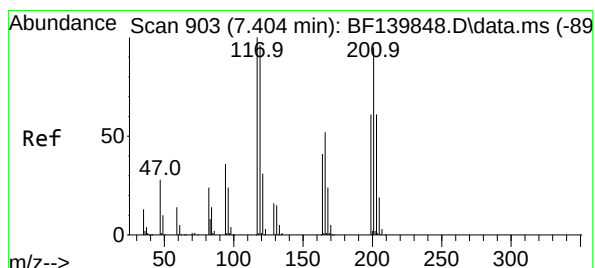
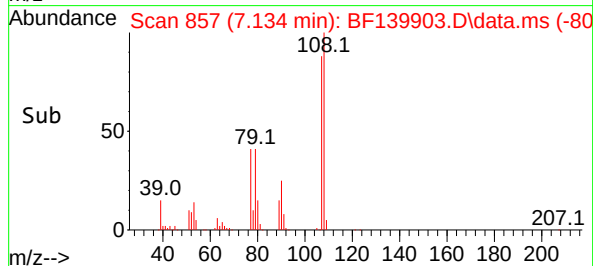
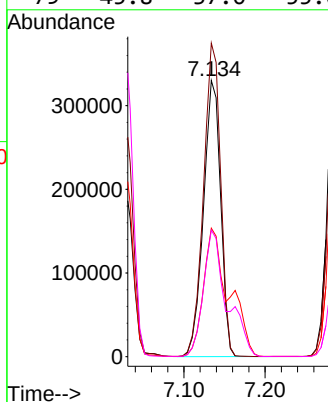
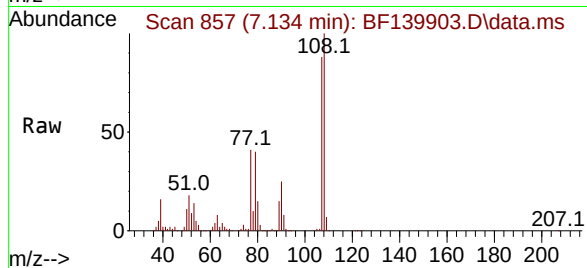
79 45.8 37.0 55.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/23/2024



#18

Hexachloroethane

Concen: 51.121 ng

RT: 7.404 min Scan# 903

Delta R.T. 0.000 min

Lab File: BF139903.D

Acq: 21 Oct 2024 15:15

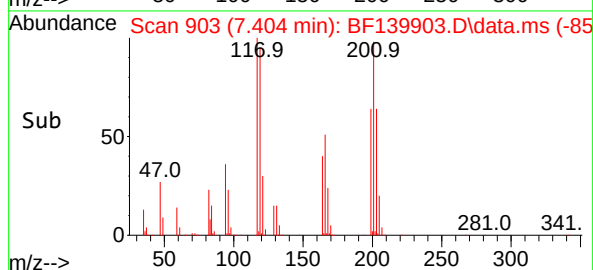
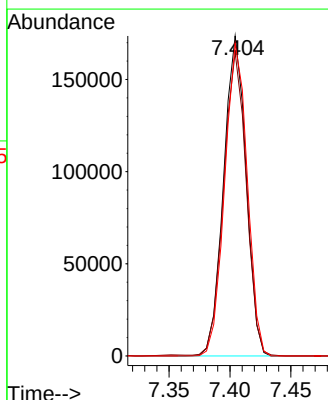
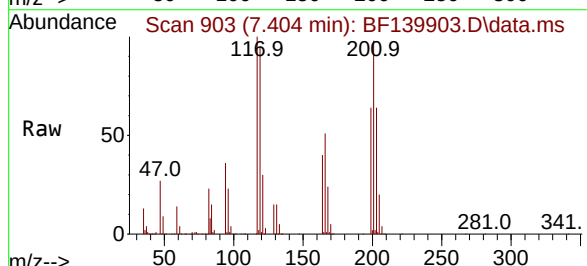
Tgt Ion:117 Resp: 222977

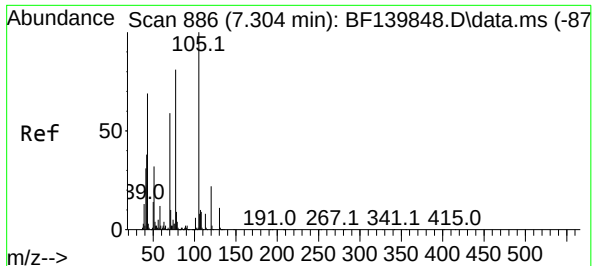
Ion Ratio Lower Upper

117 100

119 94.8 77.0 115.4

201 97.6 76.2 114.4





#19

n-Nitroso-di-n-propylamine

Concen: 50.819 ng

RT: 7.304 min Scan# 886

Delta R.T. 0.000 min

Lab File: BF139903.D

Acq: 21 Oct 2024 15:15

Instrument :

BNA_F

ClientSampleId :

SP-3MSD

Tgt Ion: 70 Resp: 416450

Ion Ratio Lower Upper

70 100

42 62.3 51.5 77.3

101 9.5 7.5 11.3

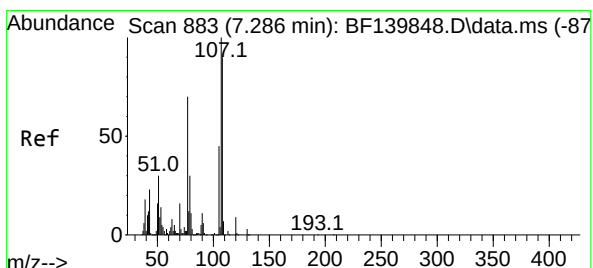
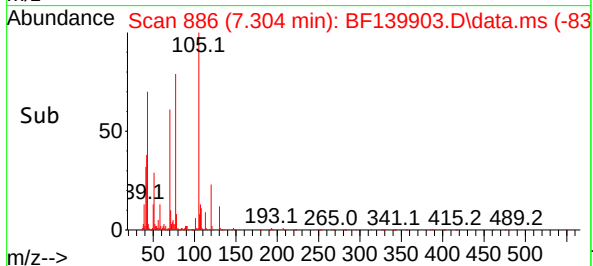
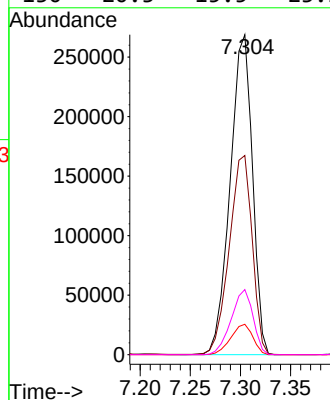
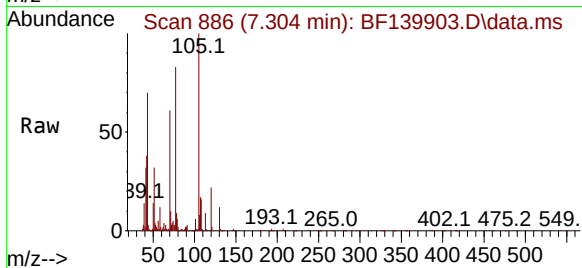
130 20.3 15.5 23.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/23/2024



#20

3+4-Methylphenols

Concen: 50.123 ng

RT: 7.287 min Scan# 883

Delta R.T. 0.000 min

Lab File: BF139903.D

Acq: 21 Oct 2024 15:15

Tgt Ion:107 Resp: 583044

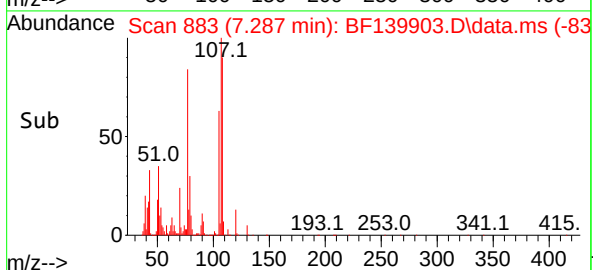
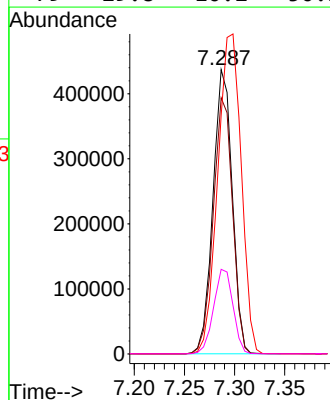
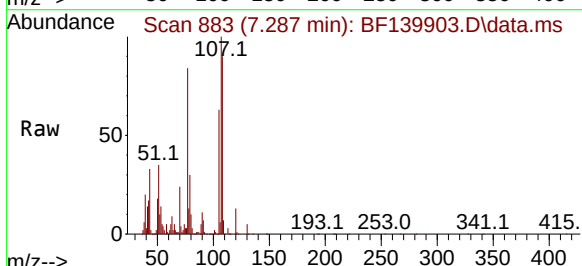
Ion Ratio Lower Upper

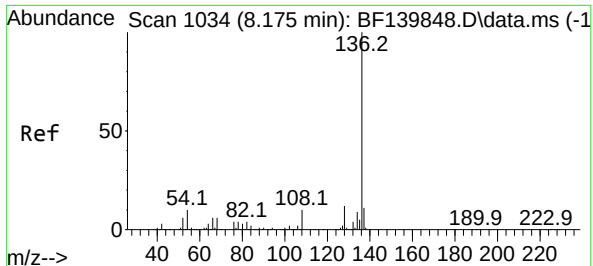
107 100

108 90.1 69.8 109.8

77 84.0 50.5 90.5

79 29.8 10.2 50.2





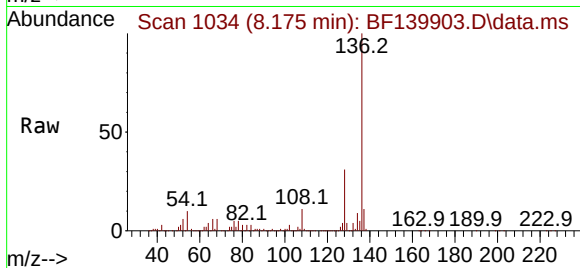
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1034
Delta R.T. 0.000 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

Instrument :

BNA_F

ClientSampleId :

SP-3MSD

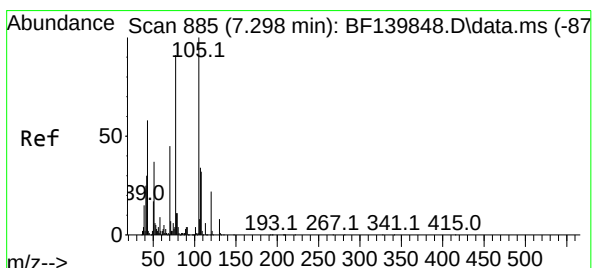
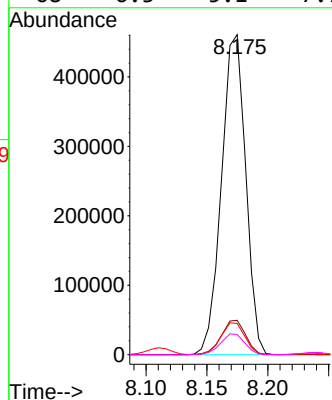
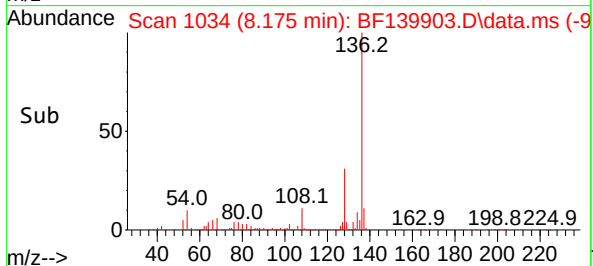


Tgt Ion:136 Resp: 638402
Ion Ratio Lower Upper
136 100
137 10.7 8.6 12.8
54 9.7 8.4 12.6
68 6.3 5.1 7.7

Manual Integrations

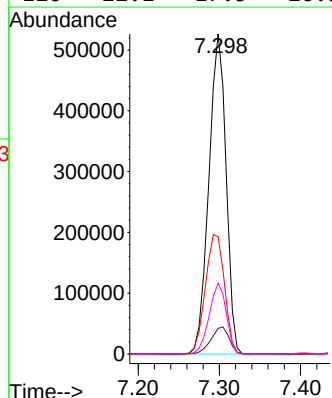
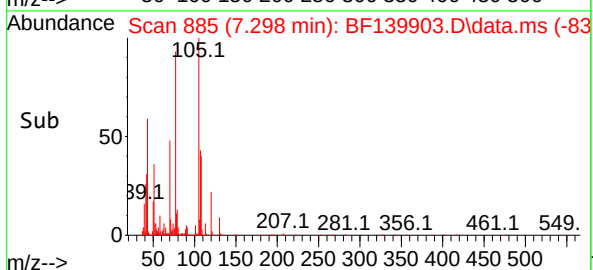
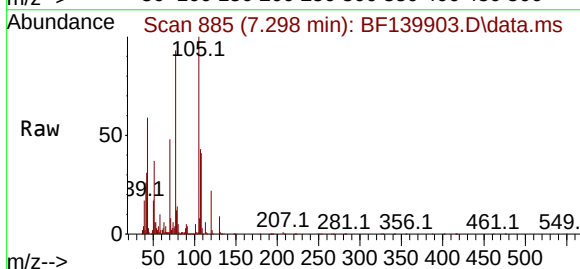
APPROVED

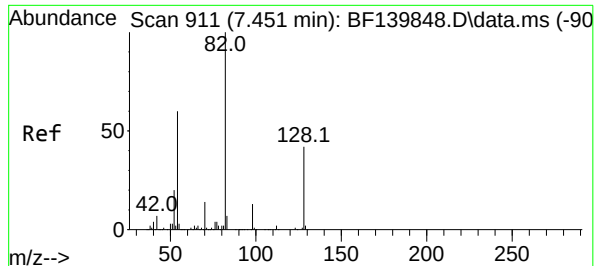
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



#22
Acetophenone
Concen: 49.360 ng
RT: 7.298 min Scan# 885
Delta R.T. 0.000 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

Tgt Ion:105 Resp: 771816
Ion Ratio Lower Upper
105 100
71 8.0 5.9 8.9
51 36.6 29.4 44.2
120 22.1 17.5 26.3





#23

Nitrobenzene-d5

Concen: 87.164 ng

RT: 7.451 min Scan# 911

Delta R.T. 0.000 min

Lab File: BF139903.D

Acq: 21 Oct 2024 15:15

Instrument :

BNA_F

ClientSampleId :

SP-3MSD

Tgt Ion: 82 Resp: 100400

Ion Ratio Lower Upper

82 100

128 43.0 33.4 50.0

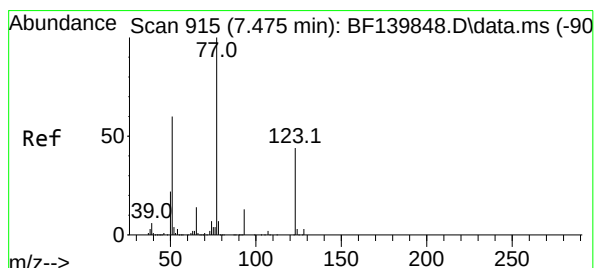
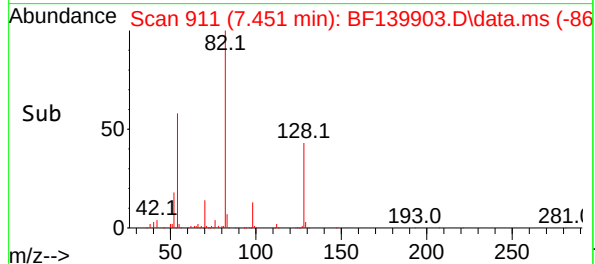
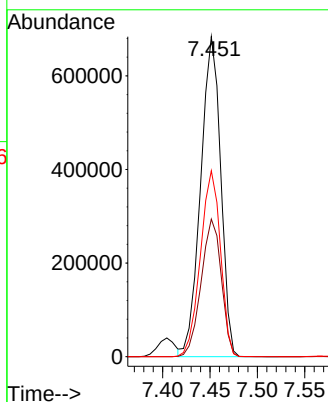
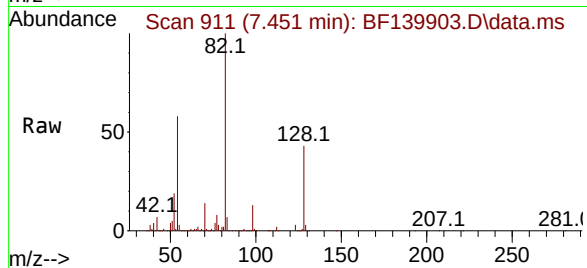
54 58.1 47.8 71.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/23/2024



#24

Nitrobenzene

Concen: 50.127 ng

RT: 7.469 min Scan# 914

Delta R.T. -0.006 min

Lab File: BF139903.D

Acq: 21 Oct 2024 15:15

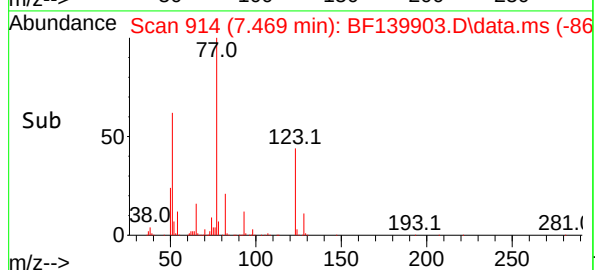
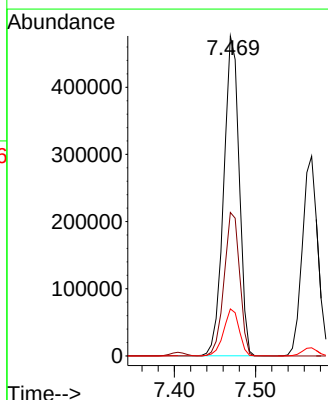
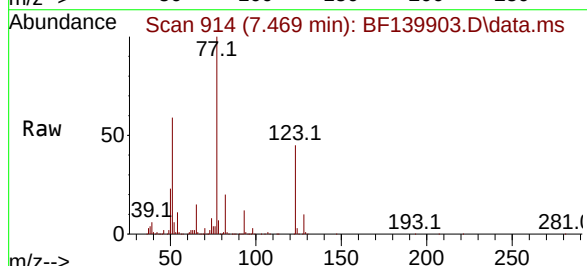
Tgt Ion: 77 Resp: 633055

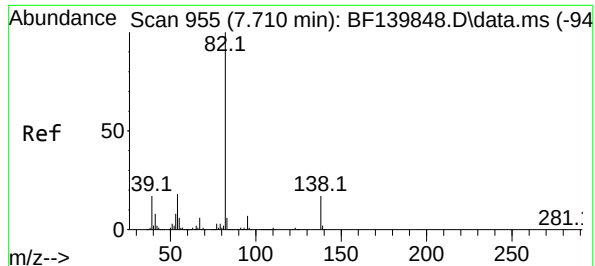
Ion Ratio Lower Upper

77 100

123 44.8 35.7 53.5

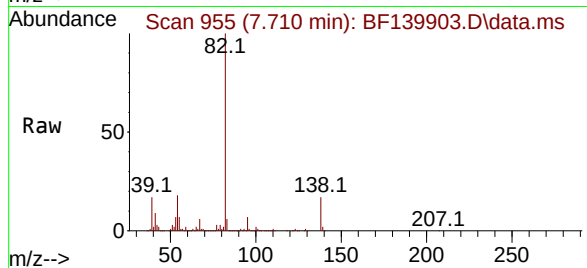
65 14.7 11.5 17.3





#25
Isophorone
Concen: 52.289 ng
RT: 7.710 min Scan# 955
Delta R.T. 0.000 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

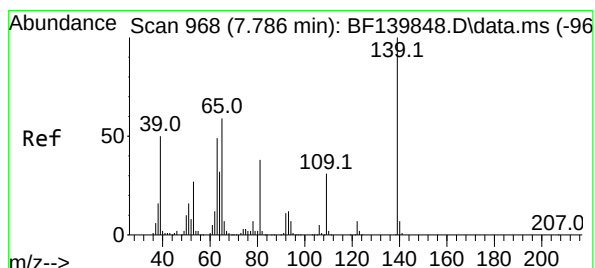
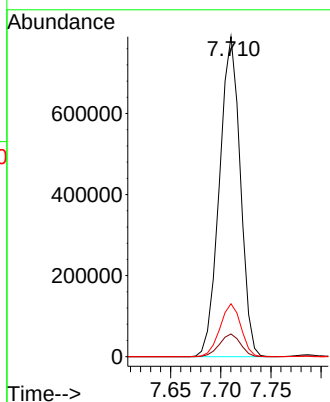
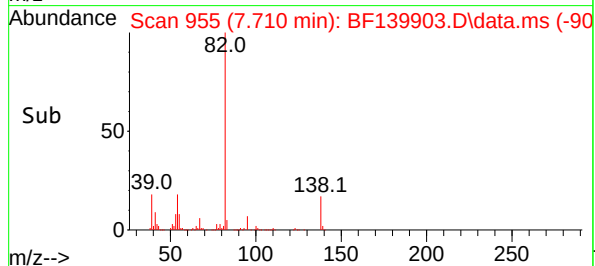
Instrument :
BNA_F
ClientSampleId :
SP-3MSD



Tgt Ion: 82 Resp: 114316
Ion Ratio Lower Upper
82 100
95 7.1 5.5 8.3
138 16.6 13.2 19.8

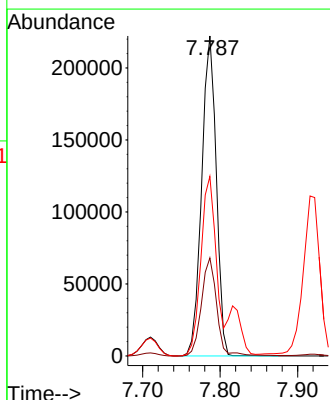
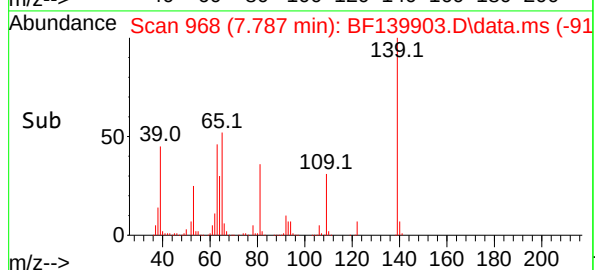
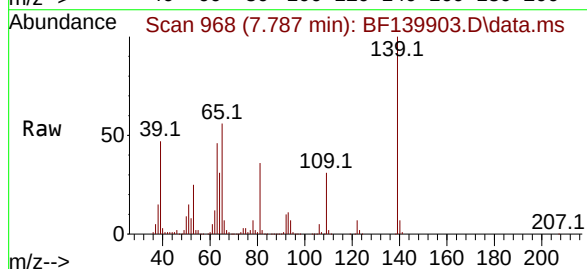
Manual Integrations
APPROVED

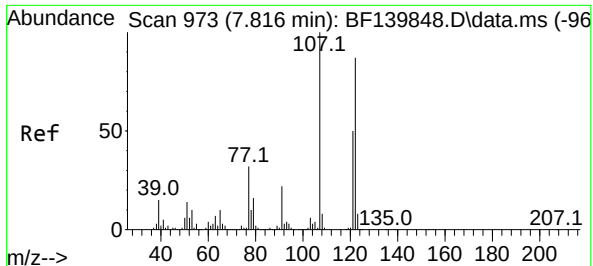
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



#26
2-Nitrophenol
Concen: 60.895 ng
RT: 7.787 min Scan# 968
Delta R.T. 0.000 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

Tgt Ion:139 Resp: 290123
Ion Ratio Lower Upper
139 100
109 30.7 25.1 37.7
65 56.1 47.5 71.3





#27

2,4-Dimethylphenol

Concen: 58.619 ng

RT: 7.816 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF139903.D

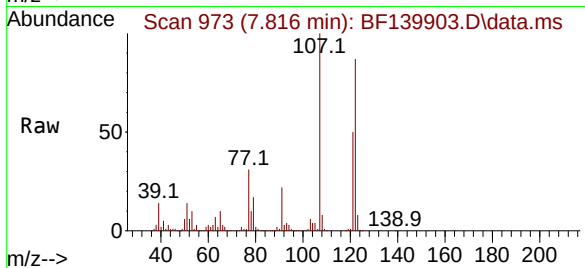
Acq: 21 Oct 2024 15:15

Instrument :

BNA_F

ClientSampleId :

SP-3MSD



Tgt Ion:122 Resp: 465684

Ion Ratio Lower Upper

122 100

107 115.3 91.9 137.9

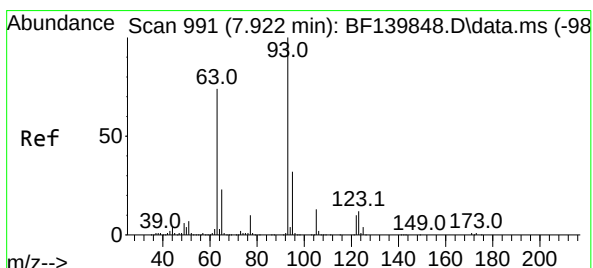
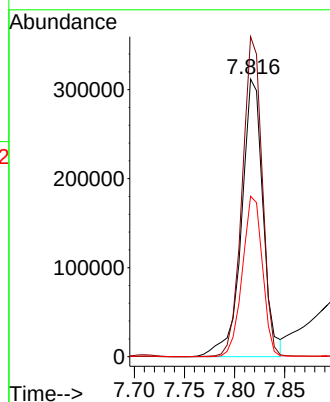
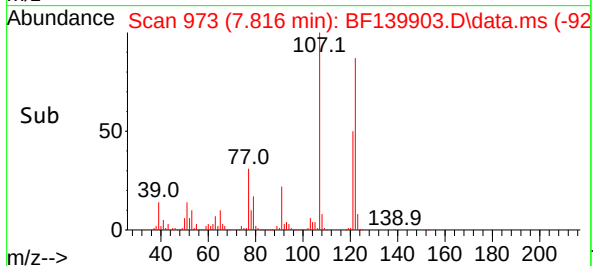
121 57.8 46.2 69.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/23/2024



#28

bis(2-Chloroethoxy)methane

Concen: 51.351 ng

RT: 7.922 min Scan# 991

Delta R.T. 0.000 min

Lab File: BF139903.D

Acq: 21 Oct 2024 15:15

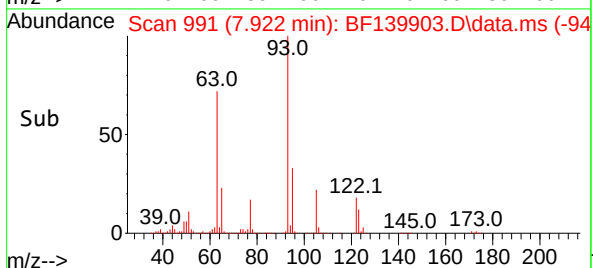
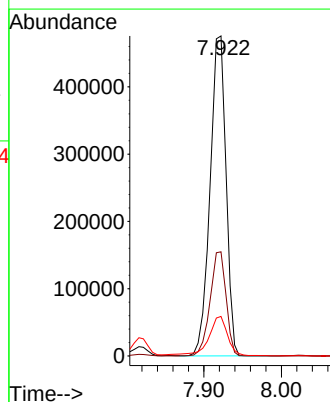
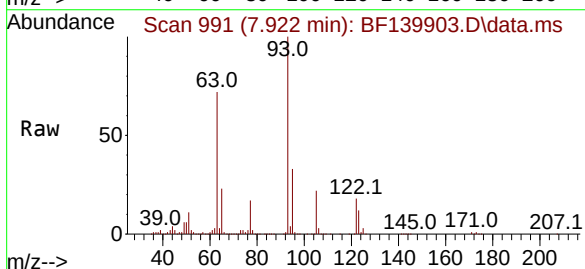
Tgt Ion: 93 Resp: 680176

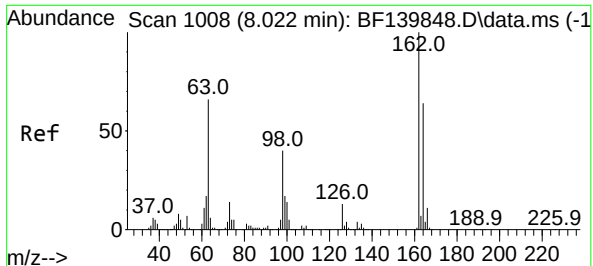
Ion Ratio Lower Upper

93 100

95 32.6 26.0 39.0

123 12.3 9.8 14.8





#29

2,4-Dichlorophenol

Concen: 52.222 ng

RT: 8.022 min Scan# 1008

Delta R.T. 0.000 min

Lab File: BF139903.D

Acq: 21 Oct 2024 15:15

Instrument :

BNA_F

ClientSampleId :

SP-3MSD

Tgt Ion:162 Resp: 47254

Ion Ratio Lower Upper

162 100

164 64.4 43.9 83.9

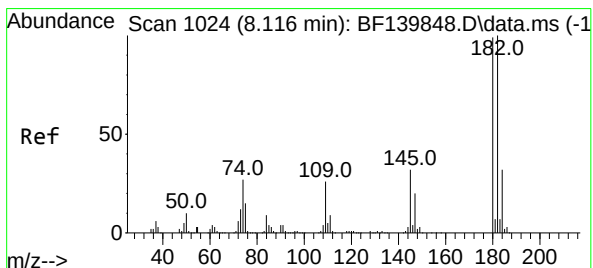
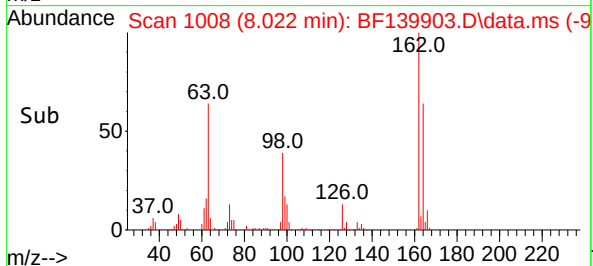
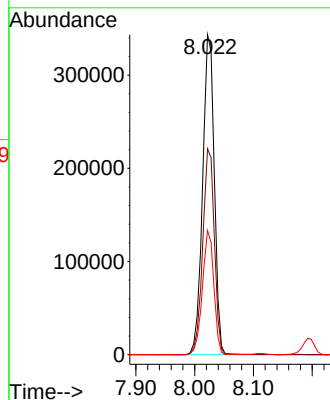
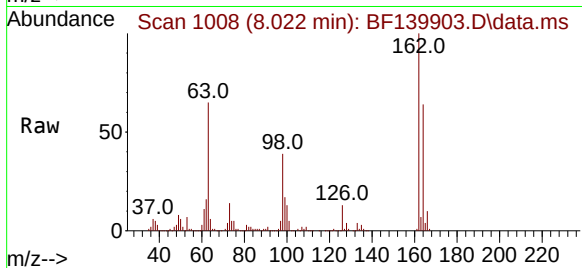
98 38.8 19.9 59.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/23/2024



#30

1,2,4-Trichlorobenzene

Concen: 49.026 ng

RT: 8.110 min Scan# 1023

Delta R.T. -0.006 min

Lab File: BF139903.D

Acq: 21 Oct 2024 15:15

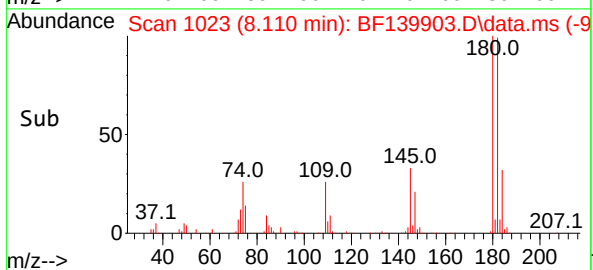
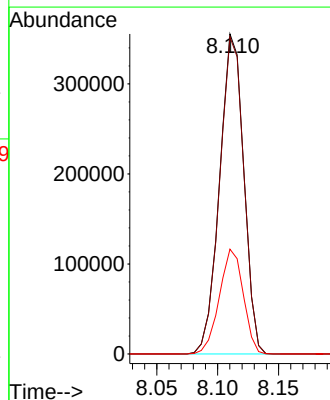
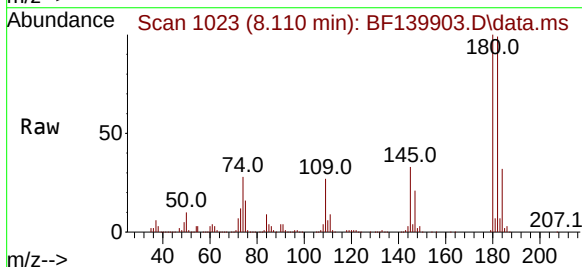
Tgt Ion:180 Resp: 490878

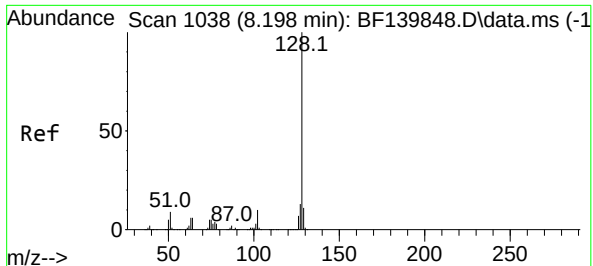
Ion Ratio Lower Upper

180 100

182 99.1 80.5 120.7

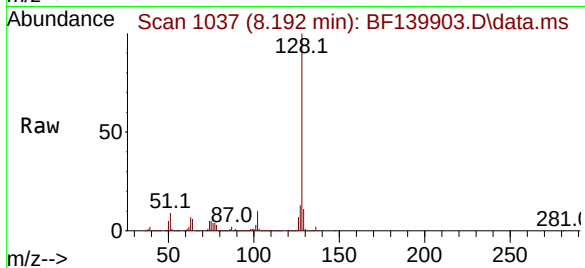
145 32.7 25.4 38.0





#31
Naphthalene
Concen: 49.715 ng
RT: 8.192 min Scan# 1037
Delta R.T. -0.006 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

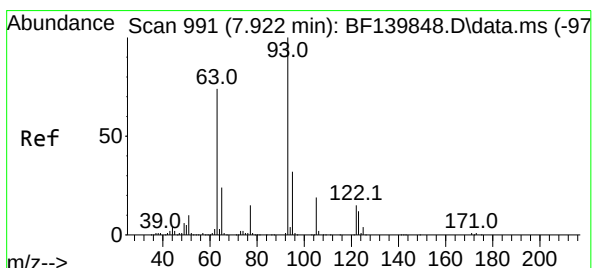
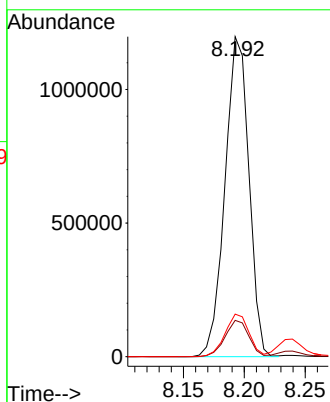
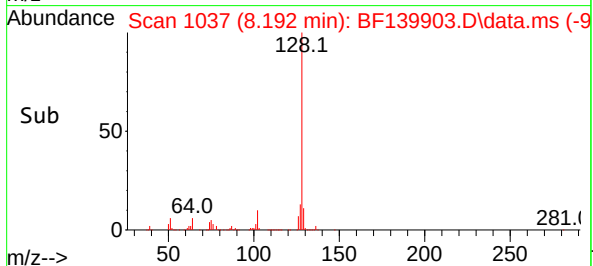
Instrument :
BNA_F
ClientSampleId :
SP-3MSD



Tgt Ion:128 Resp: 163686
Ion Ratio Lower Upper
128 100
129 11.3 8.9 13.3
127 13.3 10.6 16.0

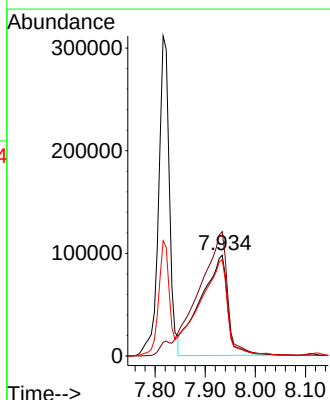
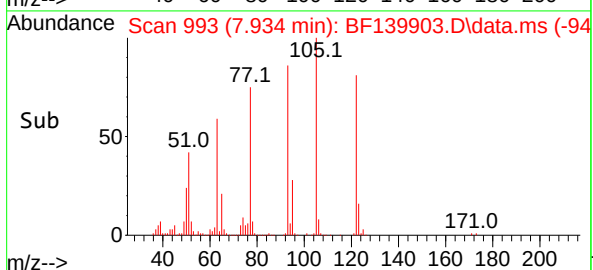
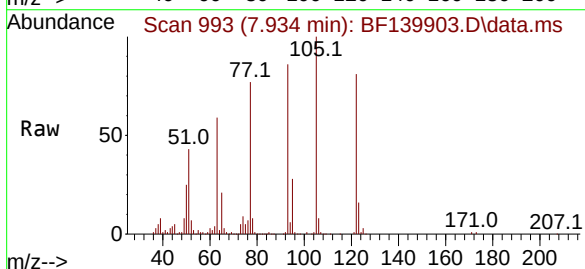
Manual Integrations
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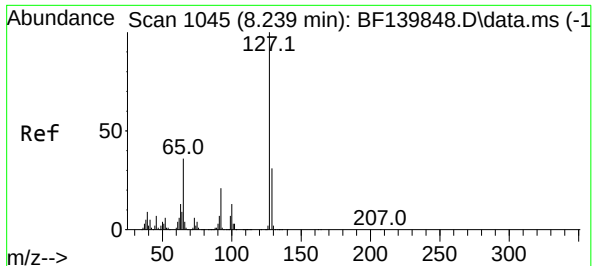
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



#32
Benzoic acid
Concen: 53.590 ng
RT: 7.934 min Scan# 993
Delta R.T. 0.012 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

Tgt Ion:122 Resp: 371322
Ion Ratio Lower Upper
122 100
105 123.5 107.6 147.6
77 95.7 80.2 120.2





#33

4-Chloroaniline

Concen: 9.483 ng

RT: 8.240 min Scan# 1045

Delta R.T. 0.000 min

Lab File: BF139903.D

Acq: 21 Oct 2024 15:15

Instrument :

BNA_F

ClientSampleId :

SP-3MSD

Tgt Ion:127 Resp: 10646

Ion Ratio Lower Upper

127 100

129 32.0 25.4 38.2

65 34.0 28.4 42.6

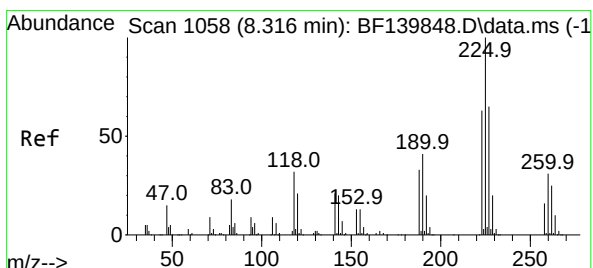
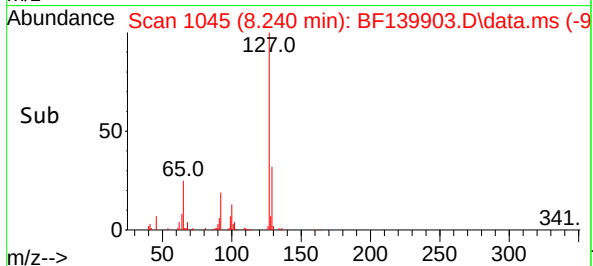
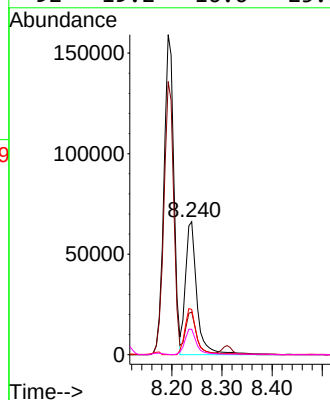
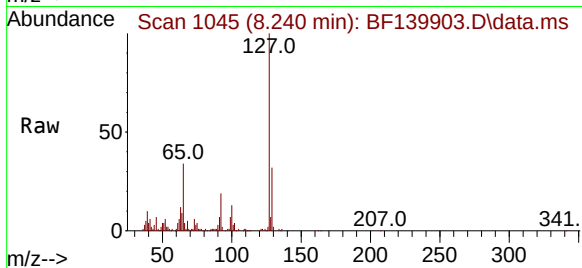
92 19.2 16.6 25.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/23/2024



#34

Hexachlorobutadiene

Concen: 50.195 ng

RT: 8.310 min Scan# 1057

Delta R.T. -0.006 min

Lab File: BF139903.D

Acq: 21 Oct 2024 15:15

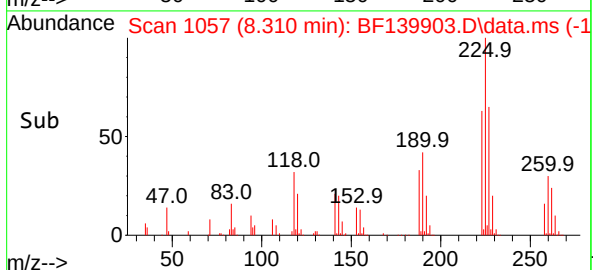
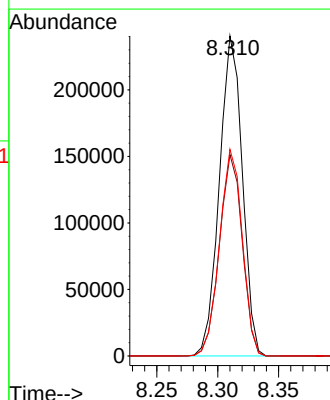
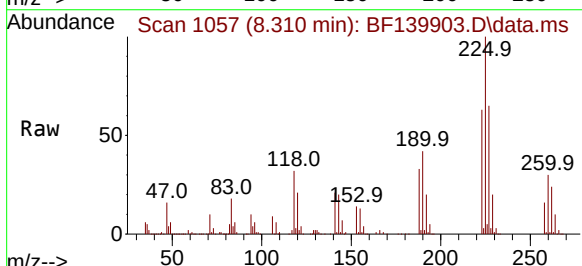
Tgt Ion:225 Resp: 315778

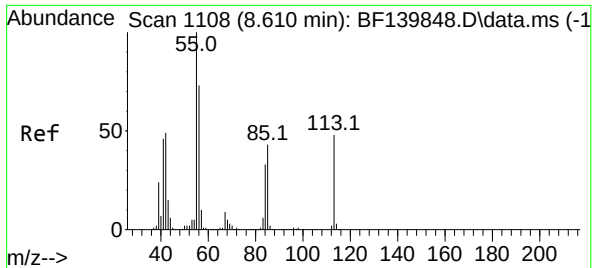
Ion Ratio Lower Upper

225 100

223 62.9 50.6 76.0

227 64.5 51.8 77.8





#35

Caprolactam

Concen: 54.428 ng m

RT: 8.610 min Scan# 1108

Delta R.T. 0.000 min

Lab File: BF139903.D

Acq: 21 Oct 2024 15:15

Instrument :

BNA_F

ClientSampleId :

SP-3MSD

Tgt Ion:113 Resp: 156599

Ion Ratio Lower Upper

113 100

55 197.7 189.2 229.2

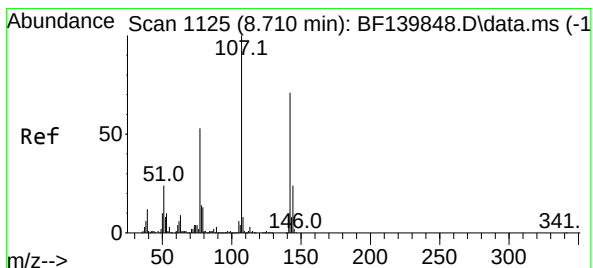
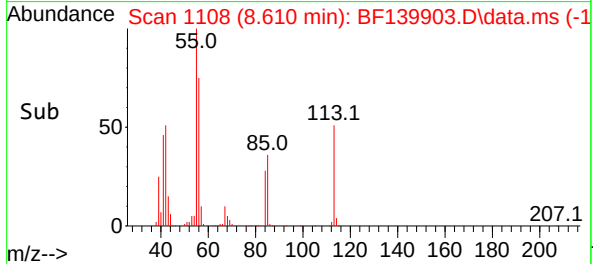
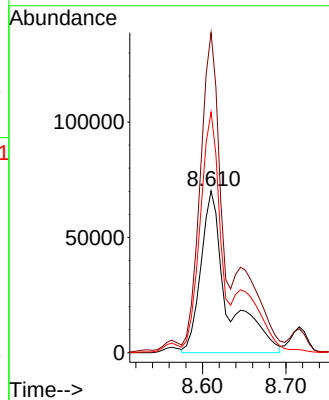
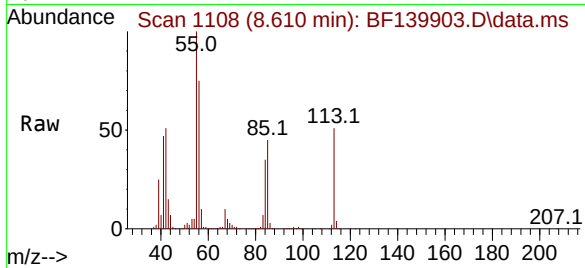
56 148.7 132.5 172.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/23/2024



#36

4-Chloro-3-methylphenol

Concen: 51.199 ng

RT: 8.716 min Scan# 1126

Delta R.T. 0.006 min

Lab File: BF139903.D

Acq: 21 Oct 2024 15:15

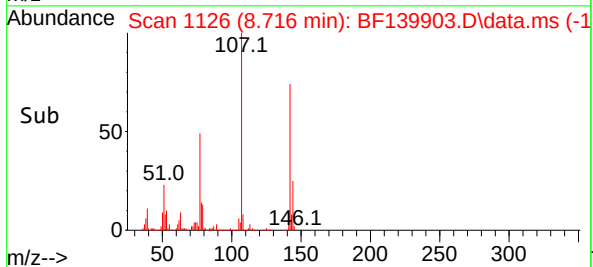
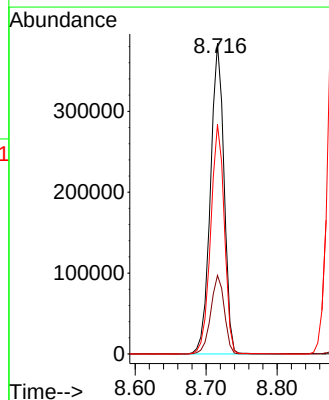
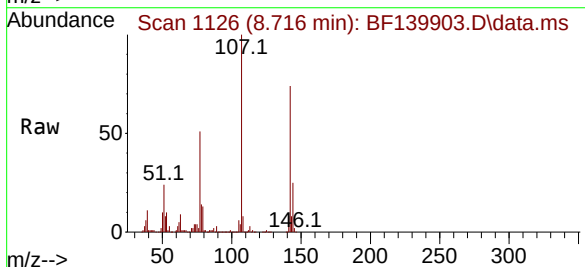
Tgt Ion:107 Resp: 512994

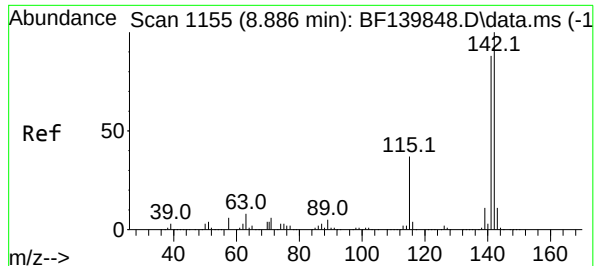
Ion Ratio Lower Upper

107 100

144 25.3 19.1 28.7

142 73.9 57.2 85.8





#37

2-Methylnaphthalene

Concen: 50.729 ng

RT: 8.887 min Scan# 1155

Delta R.T. 0.000 min

Lab File: BF139903.D

Acq: 21 Oct 2024 15:15

Instrument :

BNA_F

ClientSampleId :

SP-3MSD

Tgt Ion:142 Resp: 102293

Ion Ratio Lower Upper

142 100

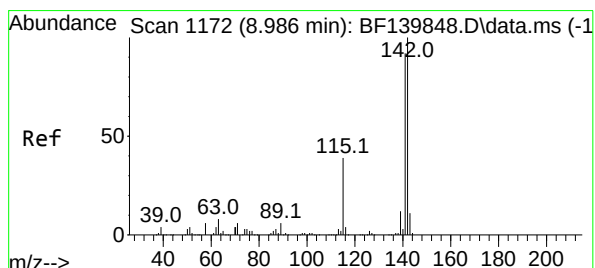
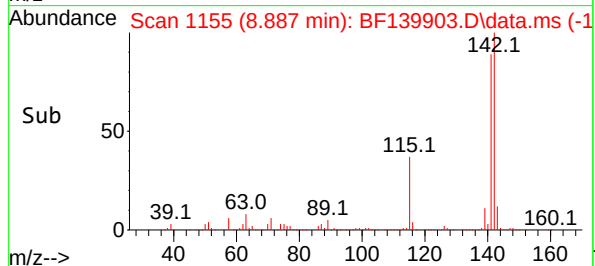
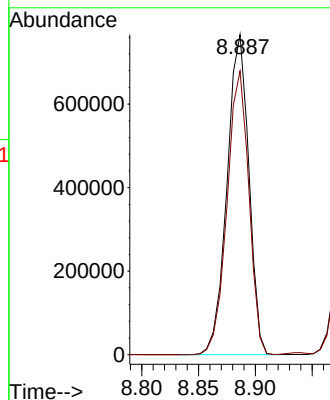
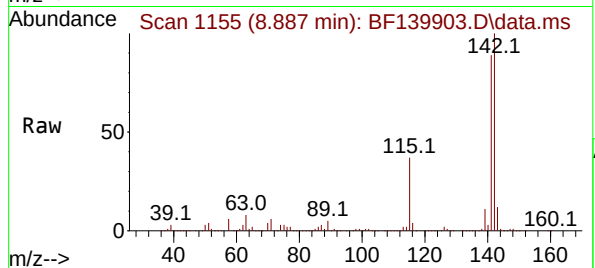
141 88.6 70.8 106.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/23/2024



#38

1-Methylnaphthalene

Concen: 48.433 ng

RT: 8.987 min Scan# 1172

Delta R.T. 0.000 min

Lab File: BF139903.D

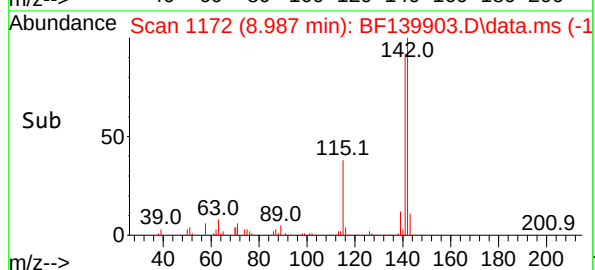
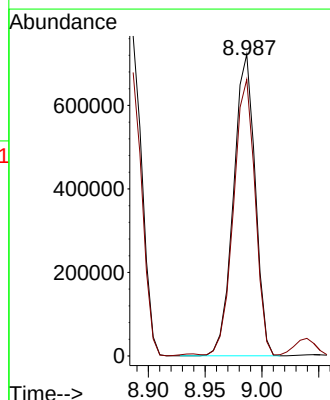
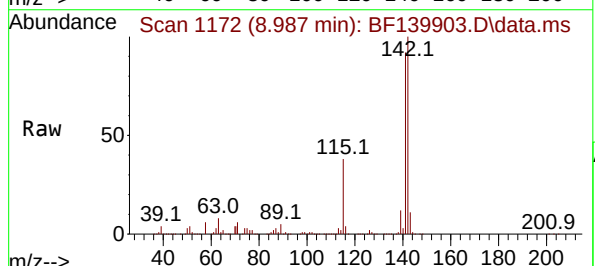
Acq: 21 Oct 2024 15:15

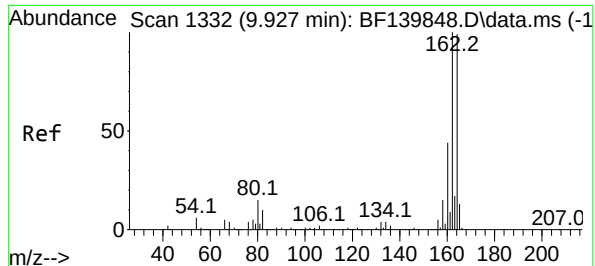
Tgt Ion:142 Resp: 958193

Ion Ratio Lower Upper

142 100

141 91.6 73.5 110.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 1183

Delta R.T. 0.001 min

Lab File: BF139903.D

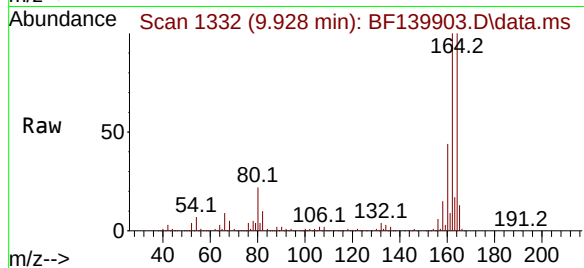
Acq: 21 Oct 2024 15:15

Instrument :

BNA_F

ClientSampleId :

SP-3MSD



Tgt Ion:164 Resp: 34393

Ion Ratio Lower Upper

164 100

162 100.4 81.0 121.4

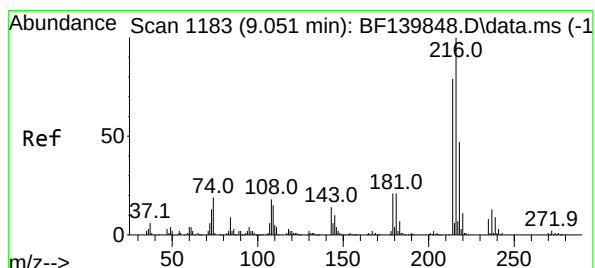
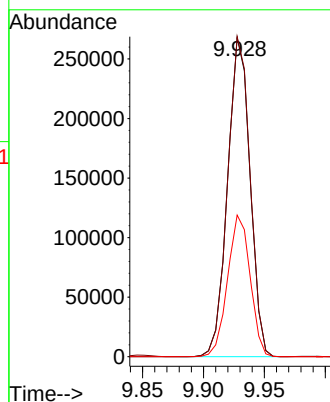
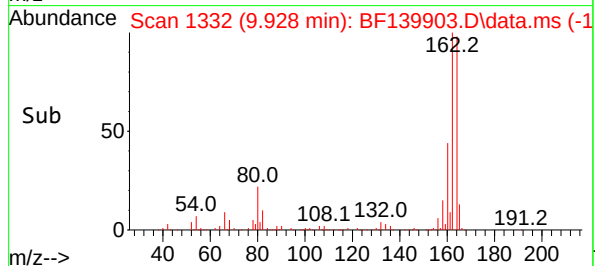
160 44.4 35.4 53.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/23/2024



#40

1,2,4,5-Tetrachlorobenzene

Concen: 50.891 ng

RT: 9.051 min Scan# 1183

Delta R.T. 0.000 min

Lab File: BF139903.D

Acq: 21 Oct 2024 15:15

Tgt Ion:216 Resp: 472211

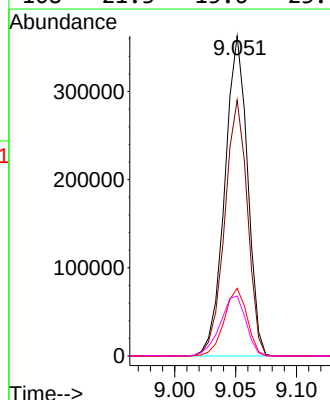
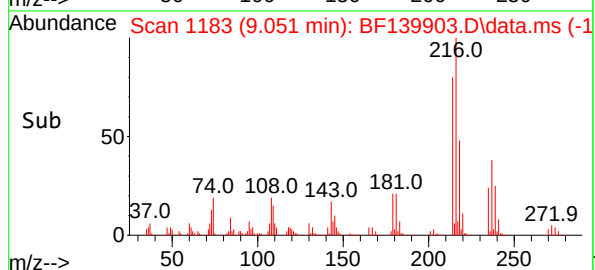
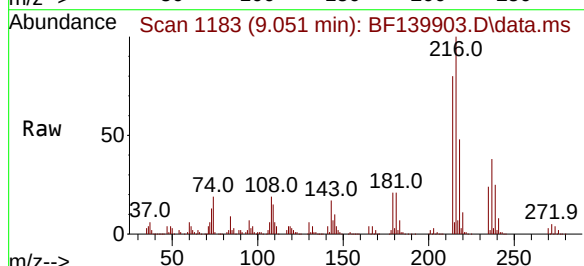
Ion Ratio Lower Upper

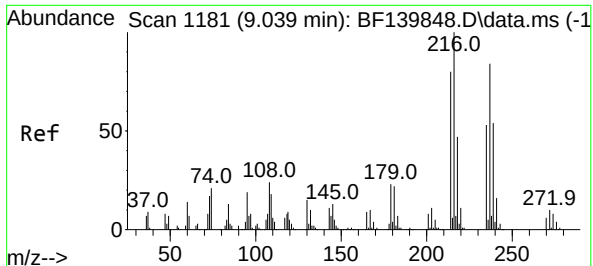
216 100

214 79.7 63.4 95.0

179 21.2 17.2 25.8

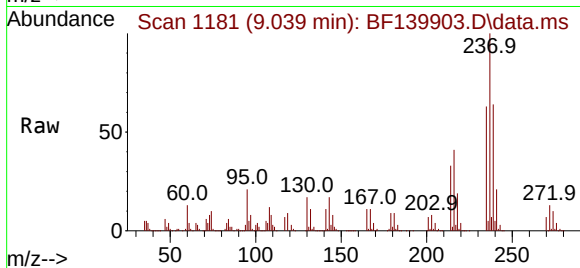
108 21.3 15.6 23.4





#41
Hexachlorocyclopentadiene
Concen: 157.746 ng
RT: 9.039 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

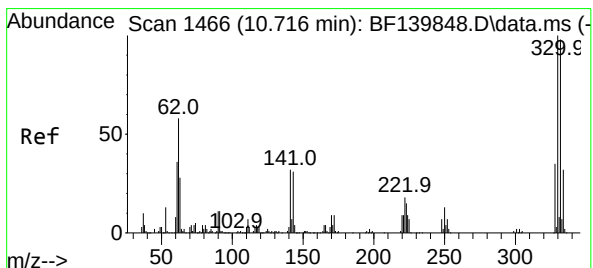
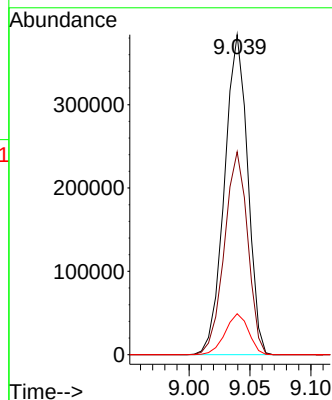
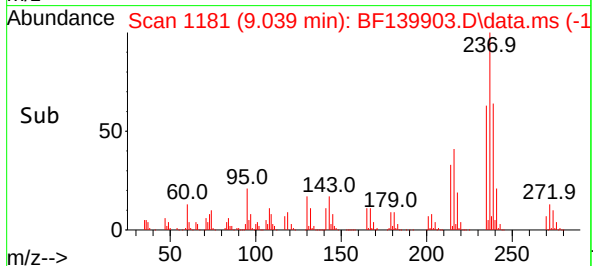
Instrument :
BNA_F
ClientSampleId :
SP-3MSD



Tgt Ion:237 Resp: 50929
Ion Ratio Lower Upper
237 100
235 63.4 42.9 82.9
272 12.8 0.0 32.3

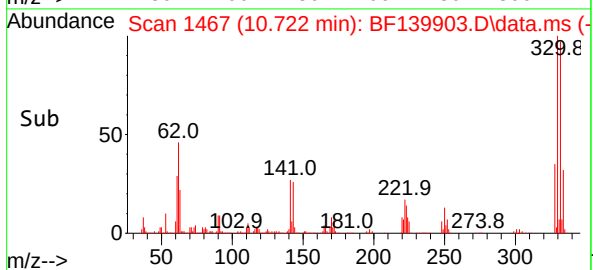
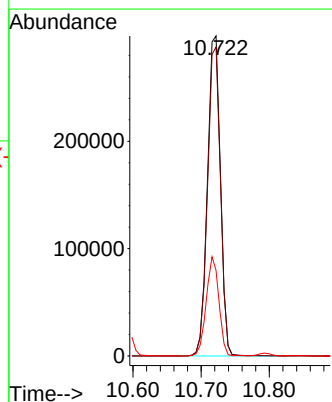
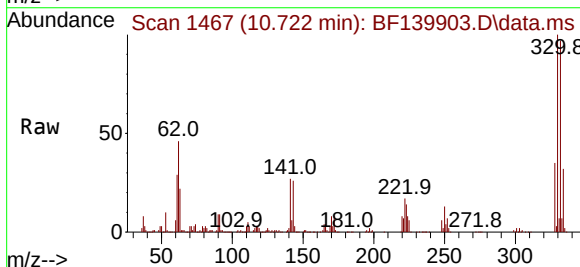
Manual Integrations
APPROVED

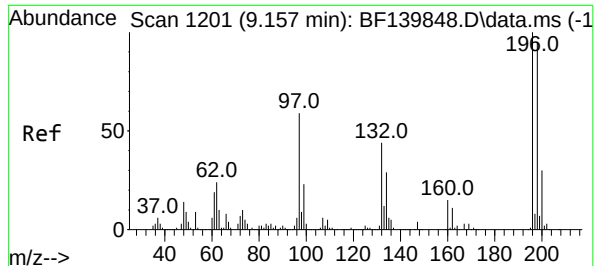
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



#42
2,4,6-Tribromophenol
Concen: 122.826 ng
RT: 10.722 min Scan# 1467
Delta R.T. 0.006 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

Tgt Ion:330 Resp: 395137
Ion Ratio Lower Upper
330 100
332 96.2 78.1 117.1
141 30.2 26.6 39.8





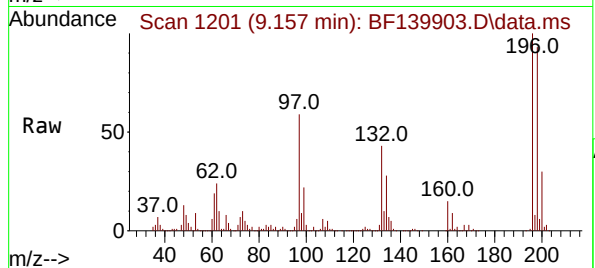
#43
2,4,6-Trichlorophenol
Concen: 55.712 ng
RT: 9.157 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

Instrument :

BNA_F

ClientSampleId :

SP-3MSD

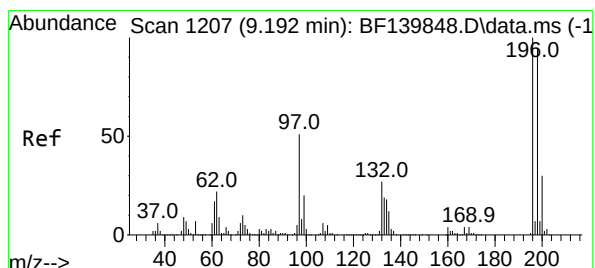
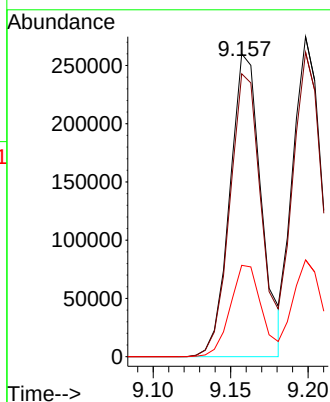
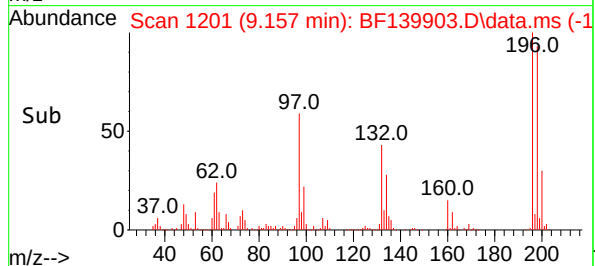


Tgt Ion:196 Resp: 365980
Ion Ratio Lower Upper
196 100
198 93.4 76.2 114.2
200 30.1 24.0 36.0

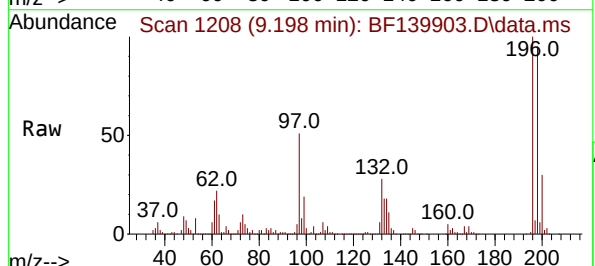
Manual Integrations

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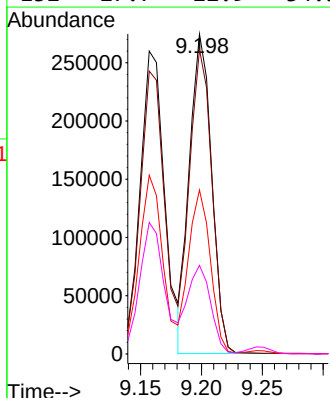
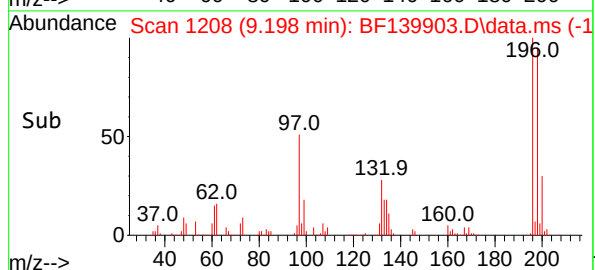
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024

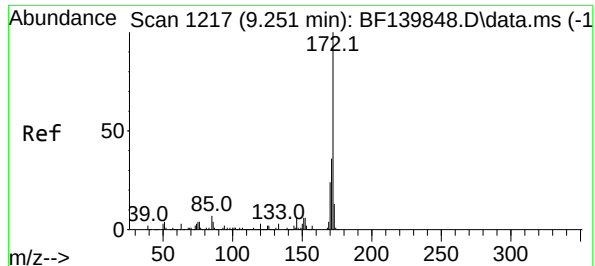


#44
2,4,5-Trichlorophenol
Concen: 51.433 ng
RT: 9.198 min Scan# 1208
Delta R.T. 0.006 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15



Tgt Ion:196 Resp: 348599
Ion Ratio Lower Upper
196 100
198 95.1 75.8 113.6
97 51.2 41.8 62.6
132 27.7 22.9 34.3





#45

2-Fluorobiphenyl

Concen: 83.046 ng

RT: 9.245 min Scan# 1216

Delta R.T. -0.006 min

Lab File: BF139903.D

Acq: 21 Oct 2024 15:15

Instrument :

BNA_F

ClientSampleId :

SP-3MSD

Tgt Ion:172 Resp: 172822

Ion Ratio Lower Upper

172 100

171 36.2 28.6 43.0

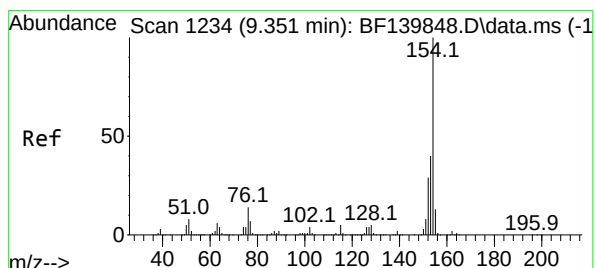
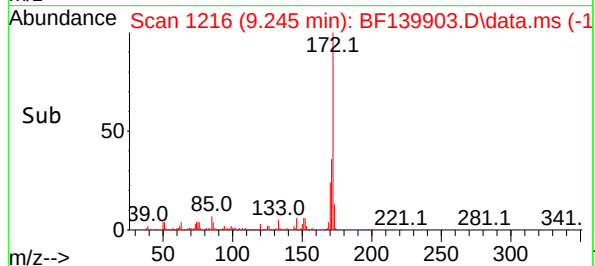
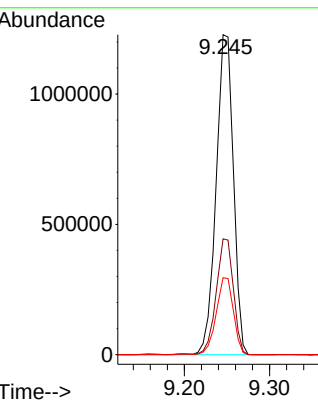
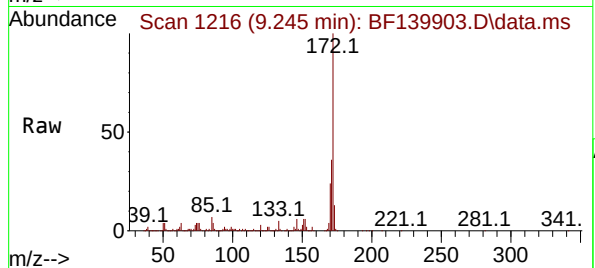
170 24.1 19.1 28.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/23/2024



#46

1,1'-Biphenyl

Concen: 50.443 ng

RT: 9.351 min Scan# 1234

Delta R.T. 0.000 min

Lab File: BF139903.D

Acq: 21 Oct 2024 15:15

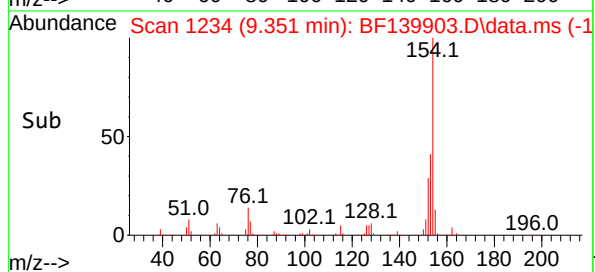
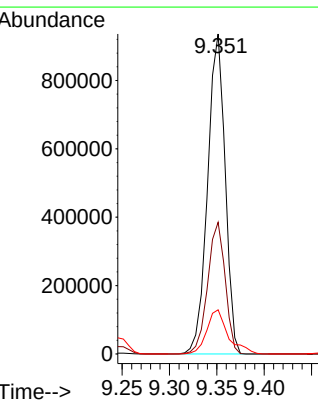
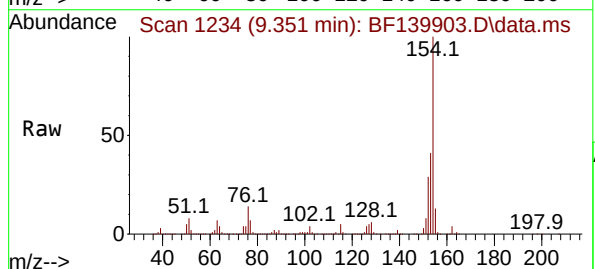
Tgt Ion:154 Resp: 1207748

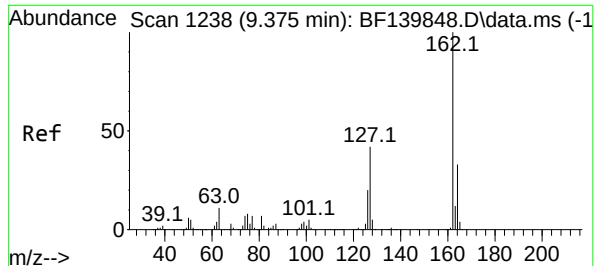
Ion Ratio Lower Upper

154 100

153 41.2 20.3 60.3

76 13.8 0.0 33.9





#47

2-Chloronaphthalene

Concen: 50.662 ng

RT: 9.375 min Scan# 1238

Delta R.T. 0.000 min

Lab File: BF139903.D

Acq: 21 Oct 2024 15:15

Instrument :

BNA_F

ClientSampleId :

SP-3MSD

Tgt Ion:162 Resp: 97695

Ion Ratio Lower Upper

162 100

127 41.8 33.8 50.6

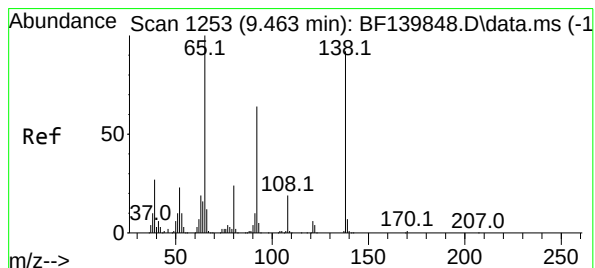
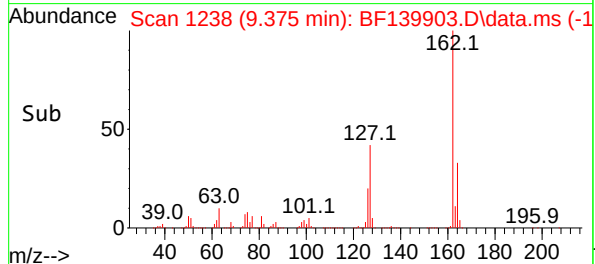
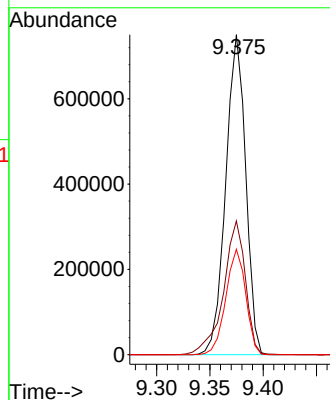
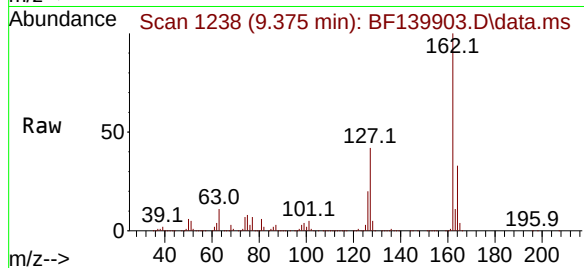
164 33.0 26.6 39.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/23/2024



#48

2-Nitroaniline

Concen: 56.945 ng

RT: 9.469 min Scan# 1254

Delta R.T. 0.006 min

Lab File: BF139903.D

Acq: 21 Oct 2024 15:15

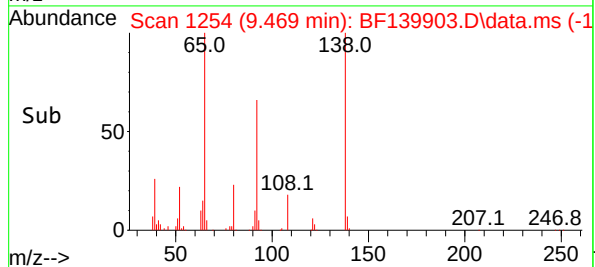
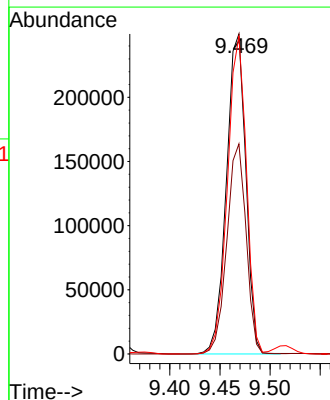
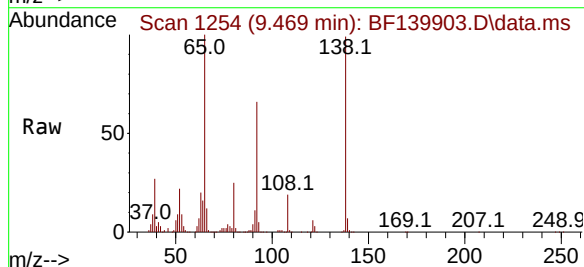
Tgt Ion: 65 Resp: 335852

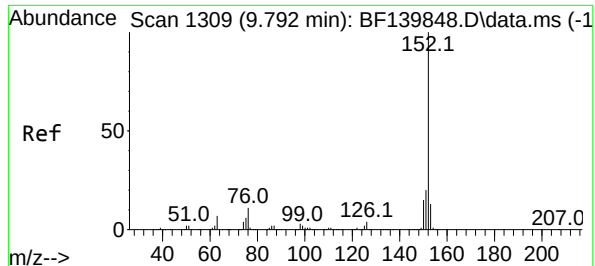
Ion Ratio Lower Upper

65 100

92 65.7 50.9 76.3

138 99.3 73.4 110.0





#49

Acenaphthylene

Concen: 53.998 ng

RT: 9.792 min Scan# 1309

Delta R.T. 0.000 min

Lab File: BF139903.D

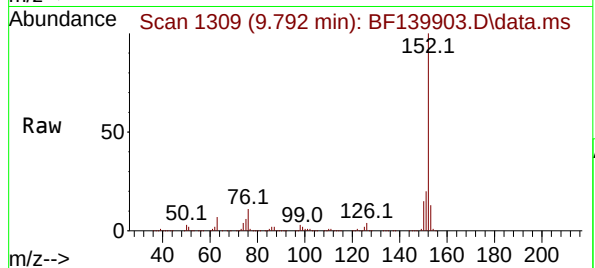
Acq: 21 Oct 2024 15:15

Instrument :

BNA_F

ClientSampleId :

SP-3MSD



Tgt Ion:152 Resp: 1505400

Ion Ratio Lower Upper

152 100

151 20.4 15.9 23.9

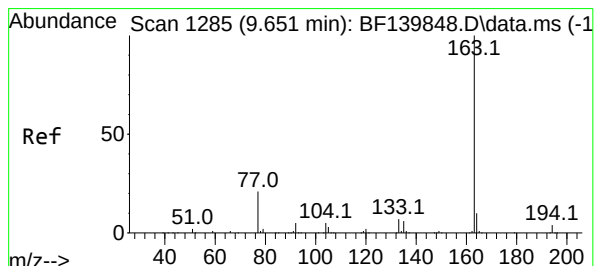
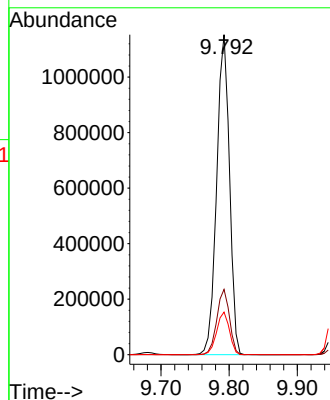
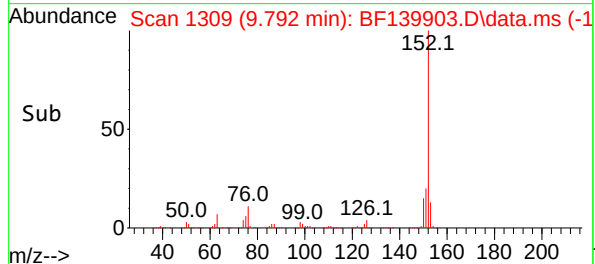
153 13.3 10.7 16.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/23/2024



#50

Dimethylphthalate

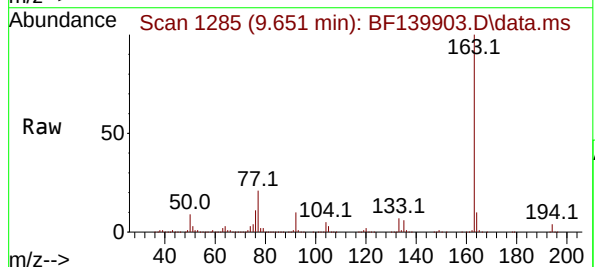
Concen: 53.134 ng

RT: 9.651 min Scan# 1285

Delta R.T. 0.000 min

Lab File: BF139903.D

Acq: 21 Oct 2024 15:15



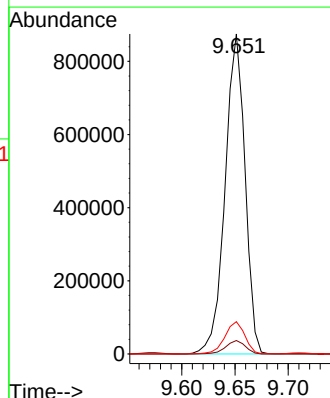
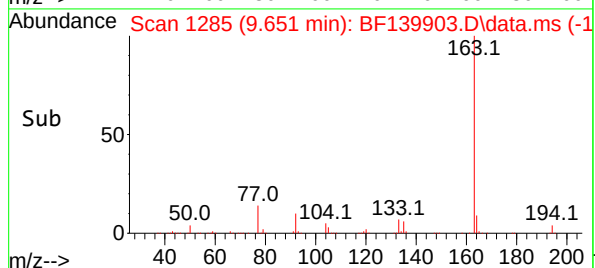
Tgt Ion:163 Resp: 1138290

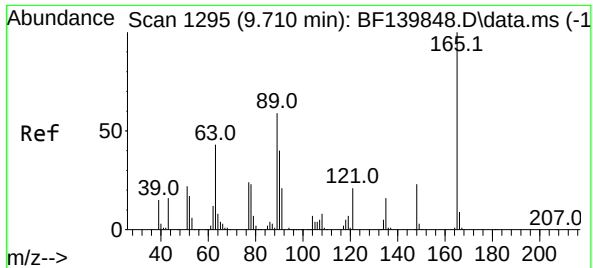
Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.0

164 10.1 8.2 12.2





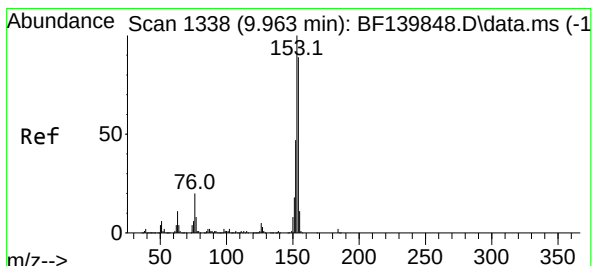
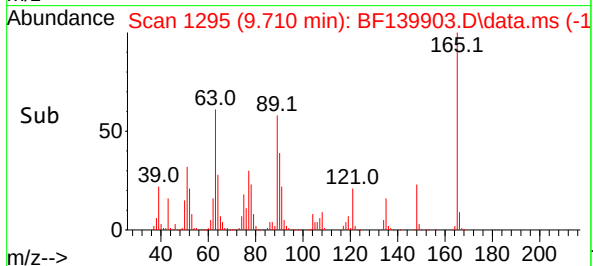
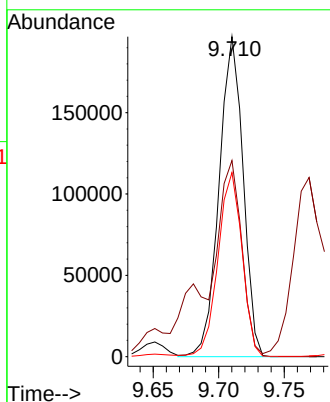
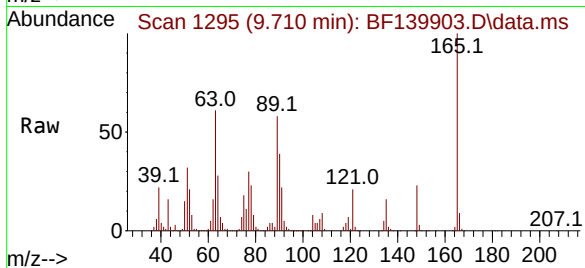
#51
2,6-Dinitrotoluene
Concen: 53.943 ng
RT: 9.710 min Scan# 1295
Delta R.T. 0.000 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

Instrument :
BNA_F
ClientSampleId :
SP-3MSD

Tgt Ion:165 Resp: 25021
Ion Ratio Lower Upper
165 100
63 61.3 50.6 75.8
89 57.6 47.5 71.3

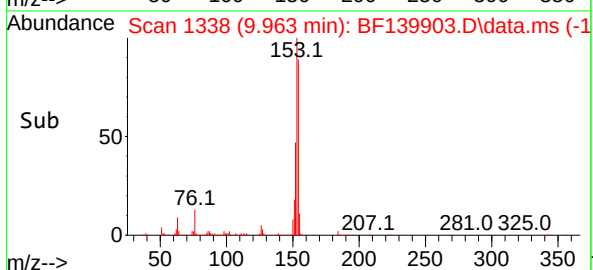
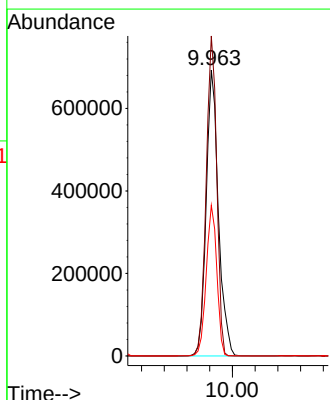
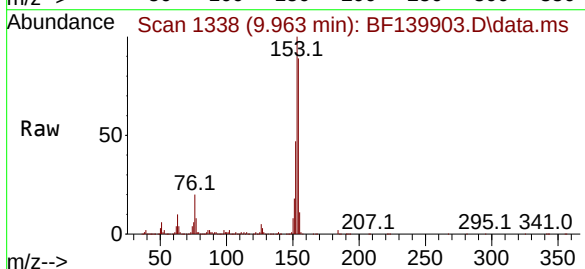
Manual Integrations
APPROVED

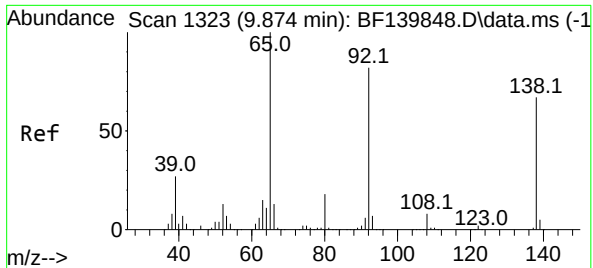
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



#52
Acenaphthene
Concen: 57.193 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.000 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

Tgt Ion:154 Resp: 1031445
Ion Ratio Lower Upper
154 100
153 111.9 89.8 134.6
152 52.7 42.4 63.6





#53

3-Nitroaniline

Concen: 30.770 ng

RT: 9.875 min Scan# 1323

Delta R.T. 0.000 min

Lab File: BF139903.D

Acq: 21 Oct 2024 15:15

Instrument :

BNA_F

ClientSampleId :

SP-3MSD

Tgt Ion:138 Resp: 147184

Ion Ratio Lower Upper

138 100

108 11.5 10.2 15.2

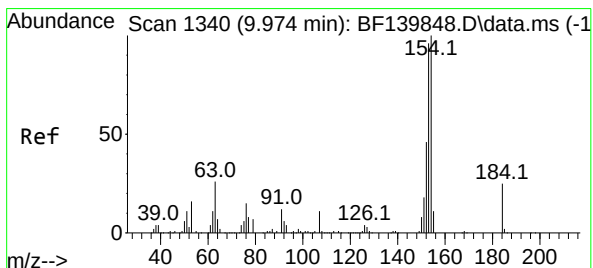
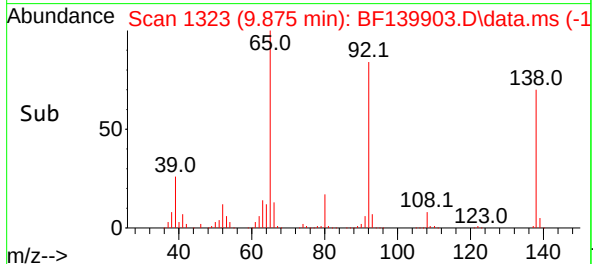
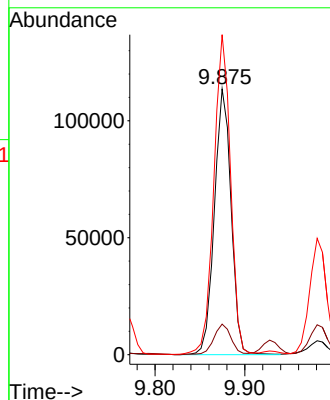
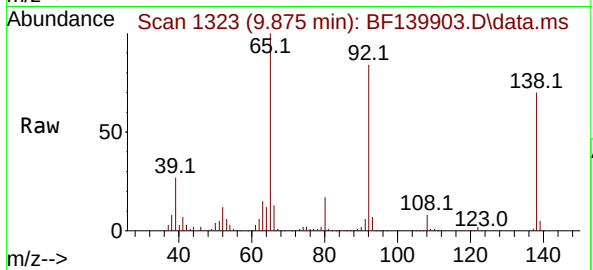
92 120.4 98.3 147.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/23/2024



#54

2,4-Dinitrophenol

Concen: 123.246 ng

RT: 9.981 min Scan# 1341

Delta R.T. 0.007 min

Lab File: BF139903.D

Acq: 21 Oct 2024 15:15

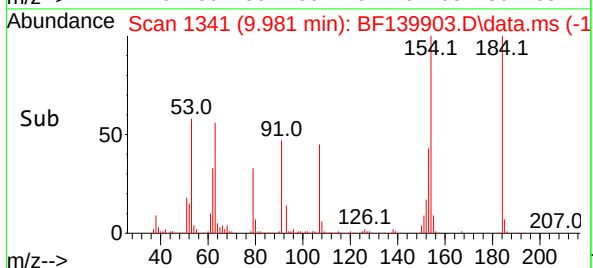
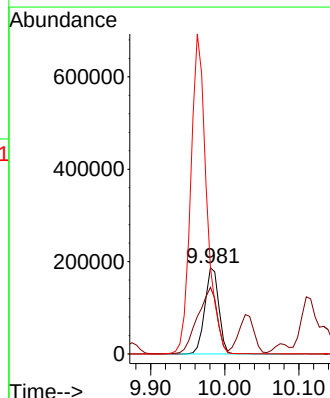
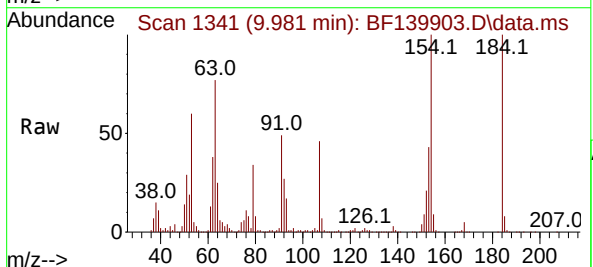
Tgt Ion:184 Resp: 244925

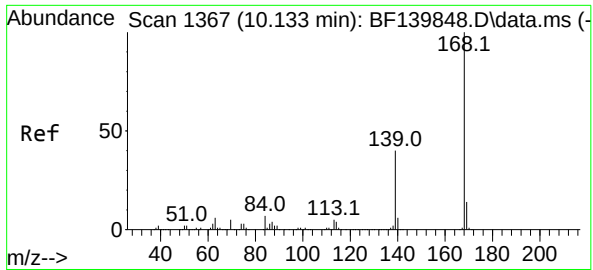
Ion Ratio Lower Upper

184 100

63 77.3 84.7 127.1#

154 100.1 338.2 507.2#





#55

Dibenzofuran

Concen: 51.040 ng

RT: 10.134 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF139903.D

Acq: 21 Oct 2024 15:15

Instrument :

BNA_F

ClientSampleId :

SP-3MSD

Tgt Ion:168 Resp: 132068

Ion Ratio Lower Upper

168 100

139 40.2 31.8 47.6

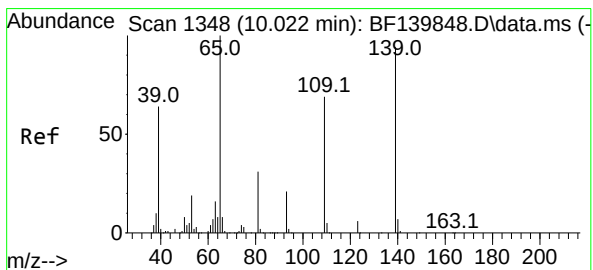
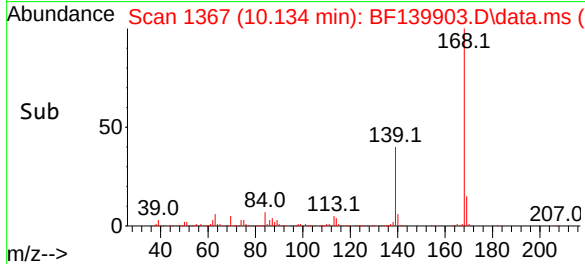
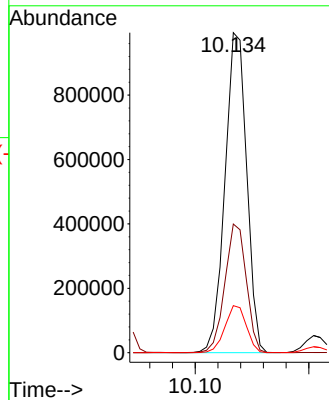
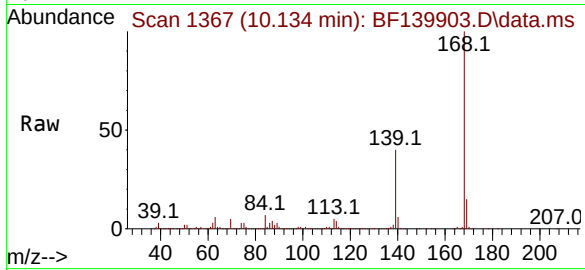
169 14.7 11.6 17.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/23/2024



#56

4-Nitrophenol

Concen: 103.707 ng

RT: 10.034 min Scan# 1350

Delta R.T. 0.012 min

Lab File: BF139903.D

Acq: 21 Oct 2024 15:15

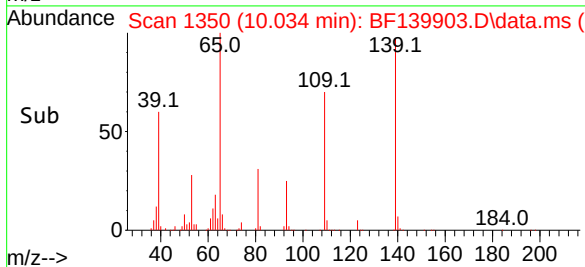
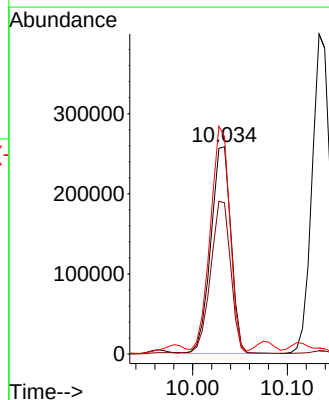
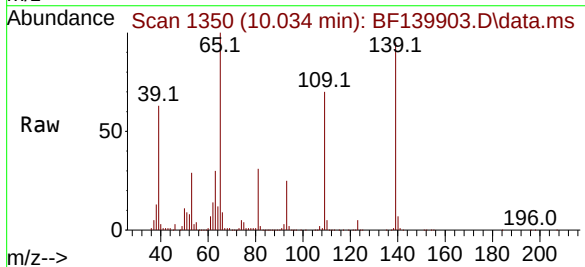
Tgt Ion:139 Resp: 381655

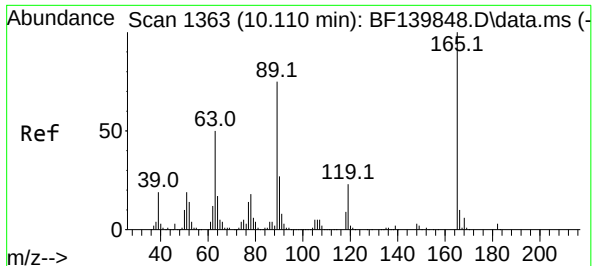
Ion Ratio Lower Upper

139 100

109 72.9 53.6 93.6

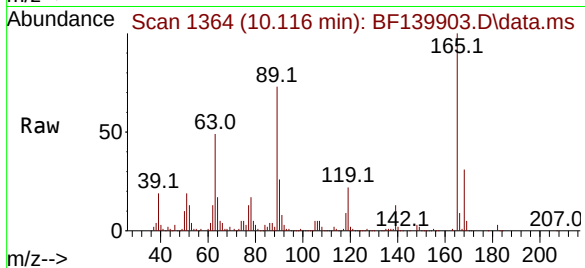
65 104.9 87.8 127.8





#57
2,4-Dinitrotoluene
Concen: 57.242 ng
RT: 10.116 min Scan# 1363
Delta R.T. 0.006 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

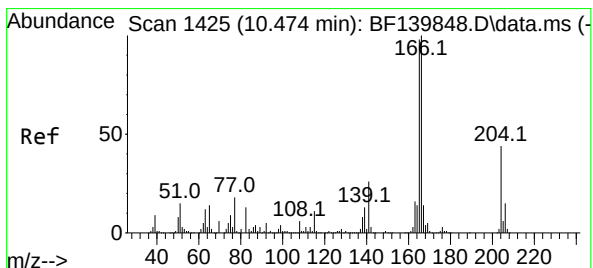
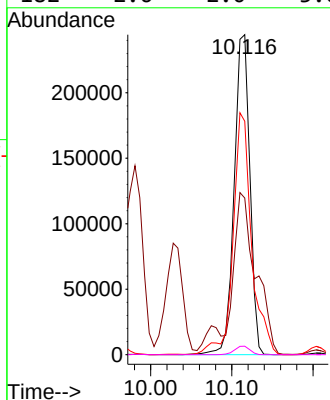
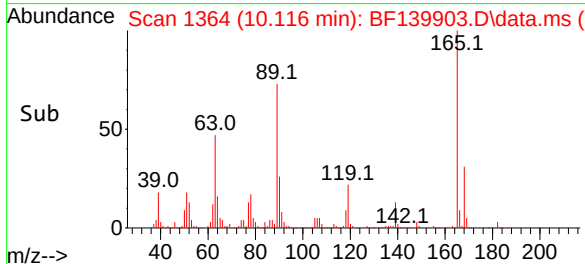
Instrument :
BNA_F
ClientSampleId :
SP-3MSD



Tgt Ion:165 Resp: 32651
Ion Ratio Lower Upper
165 100
63 49.0 40.1 60.1
89 73.0 60.4 90.6
182 2.6 2.0 3.0

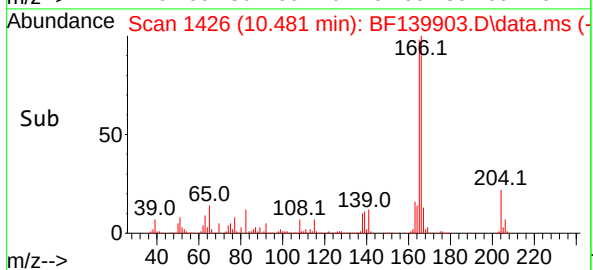
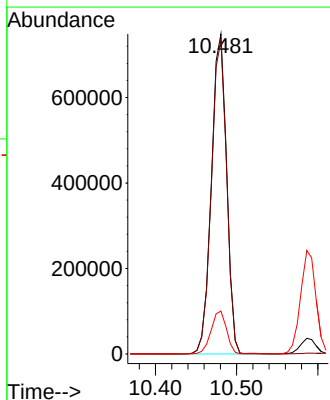
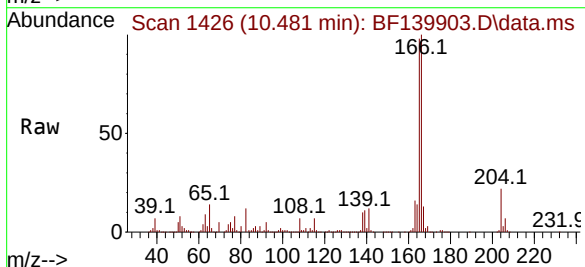
Manual Integrations
APPROVED

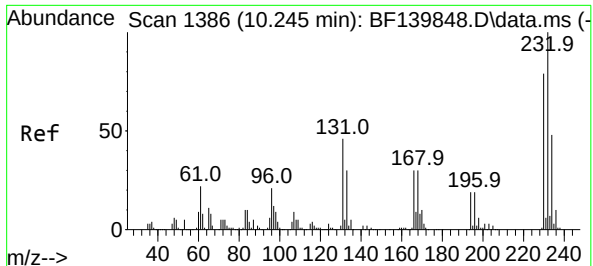
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



#58
Fluorene
Concen: 49.443 ng
RT: 10.481 min Scan# 1426
Delta R.T. 0.006 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

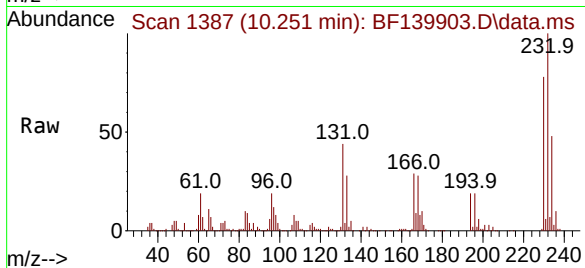
Tgt Ion:166 Resp: 974437
Ion Ratio Lower Upper
166 100
165 97.9 78.5 117.7
167 13.4 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 53.457 ng
RT: 10.251 min Scan# 1387
Delta R.T. 0.006 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

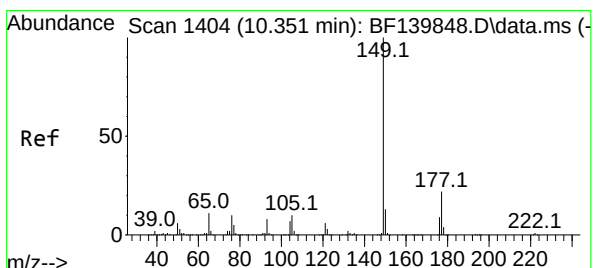
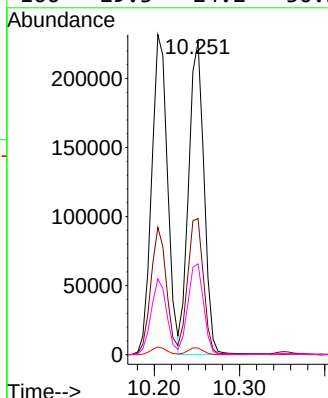
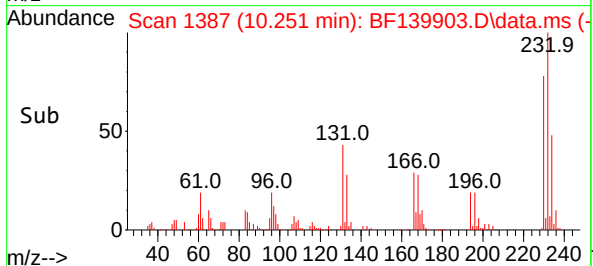
Instrument :
BNA_F
ClientSampleId :
SP-3MSD



Tgt Ion:232 Resp: 284031
Ion Ratio Lower Upper
232 100
131 45.0 37.0 55.6
130 2.2 1.9 2.9
166 29.3 24.2 36.2

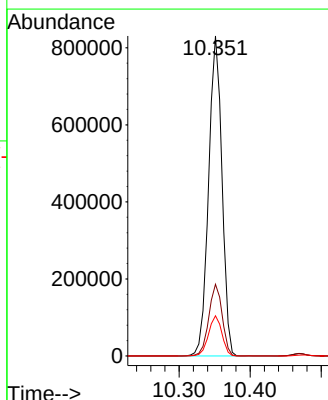
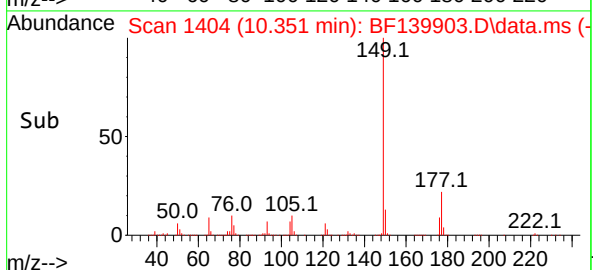
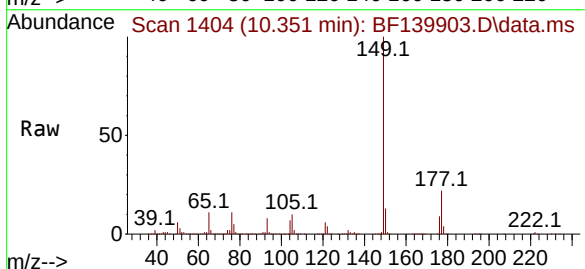
Manual Integrations
APPROVED

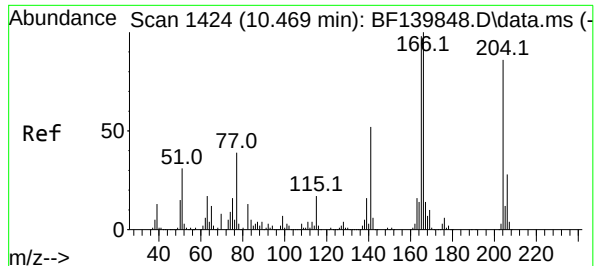
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



#60
Diethylphthalate
Concen: 51.614 ng
RT: 10.351 min Scan# 1404
Delta R.T. 0.000 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

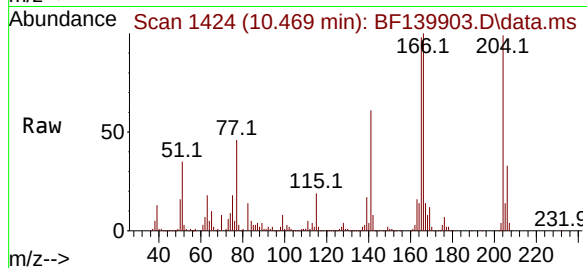
Tgt Ion:149 Resp: 1085654
Ion Ratio Lower Upper
149 100
177 22.4 17.9 26.9
150 12.6 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 49.077 ng
RT: 10.469 min Scan# 1424
Delta R.T. 0.000 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

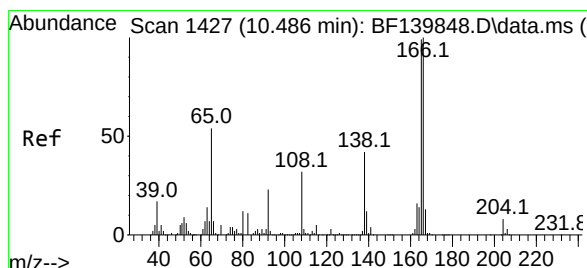
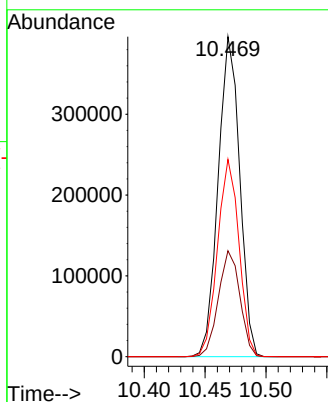
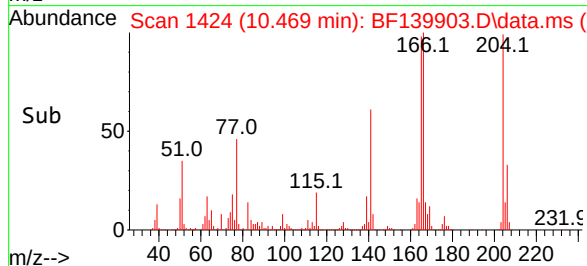
Instrument :
BNA_F
ClientSampleId :
SP-3MSD



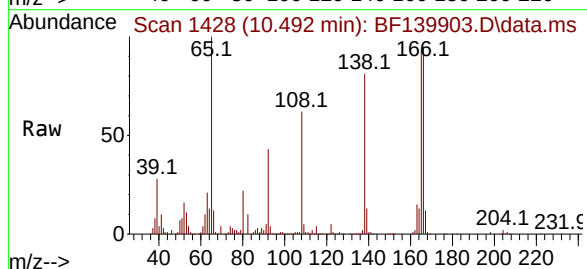
Tgt Ion:204 Resp: 48845
Ion Ratio Lower Upper
204 100
206 33.1 26.3 39.5
141 61.6 48.6 73.0

Manual Integrations
APPROVED

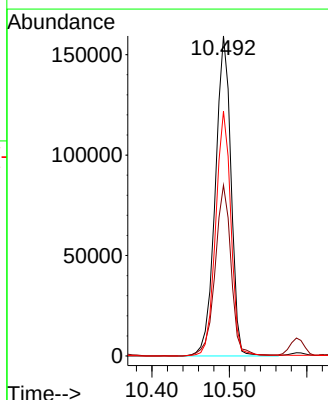
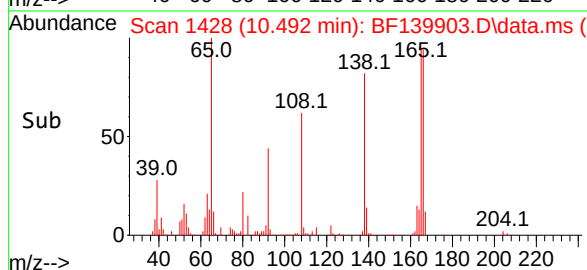
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024

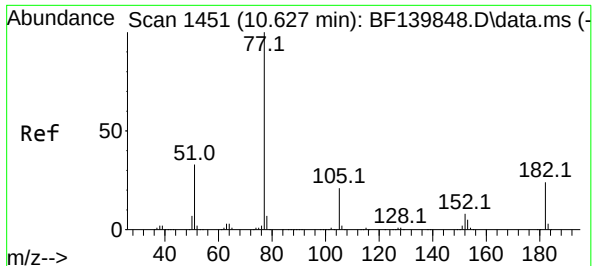


#62
4-Nitroaniline
Concen: 49.657 ng
RT: 10.492 min Scan# 1428
Delta R.T. 0.006 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15



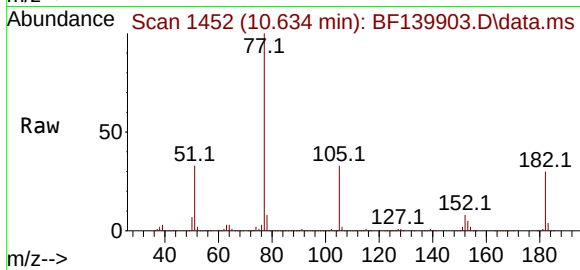
Tgt Ion:138 Resp: 224336
Ion Ratio Lower Upper
138 100
92 53.3 35.7 75.7
108 76.5 57.5 97.5





#63
Azobenzene
Concen: 60.458 ng
RT: 10.634 min Scan# 1451
Delta R.T. 0.006 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

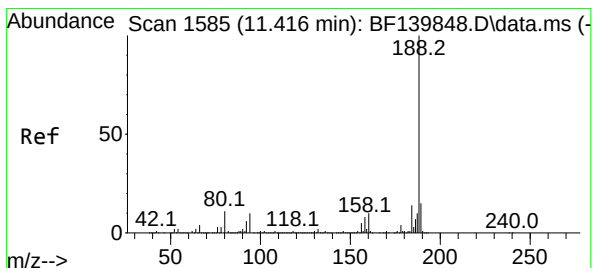
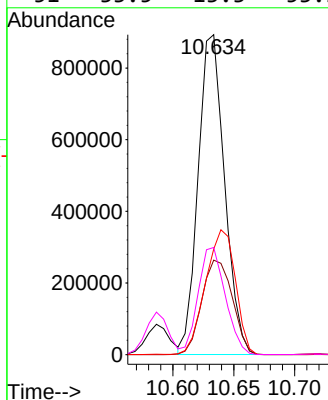
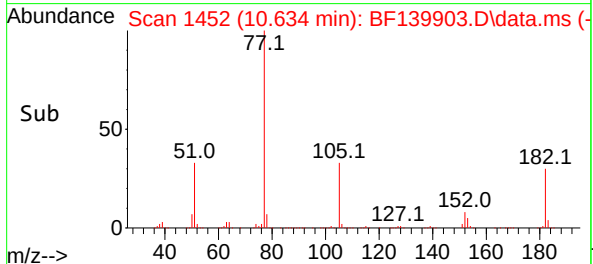
Instrument :
BNA_F
ClientSampleId :
SP-3MSD



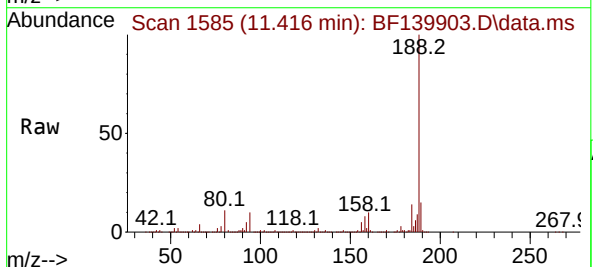
Tgt Ion: 77 Resp: 1348180
Ion Ratio Lower Upper
77 100
182 29.5 3.3 43.3
105 33.0 1.2 41.2
51 33.5 13.3 53.3

Manual Integrations
APPROVED

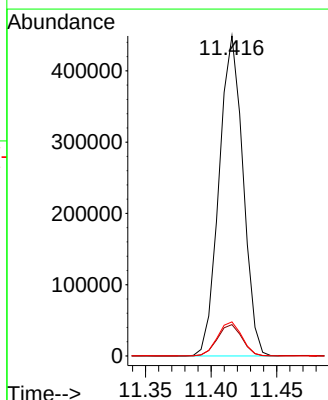
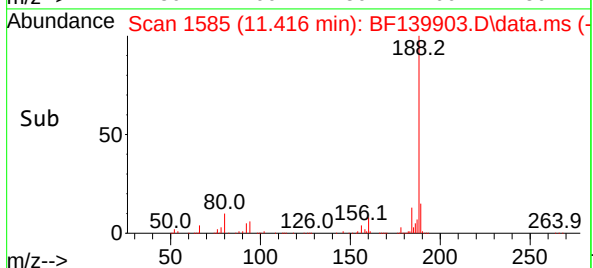
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024

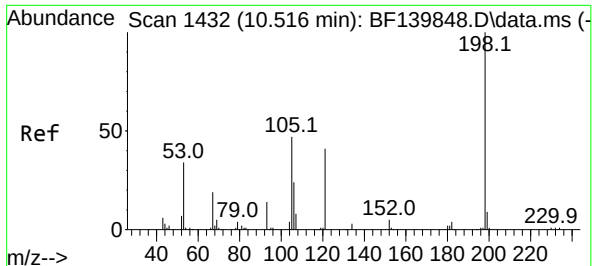


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15



Tgt Ion:188 Resp: 570576
Ion Ratio Lower Upper
188 100
94 9.8 7.9 11.9
80 10.7 9.0 13.4





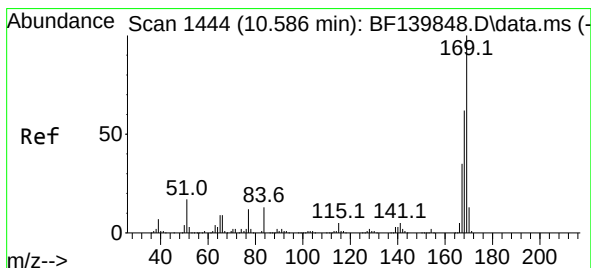
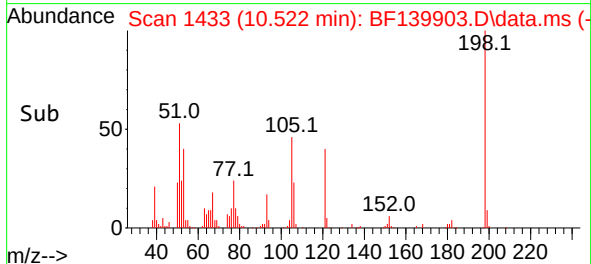
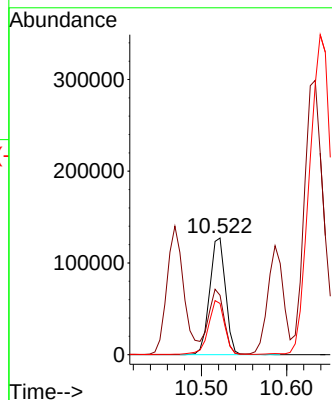
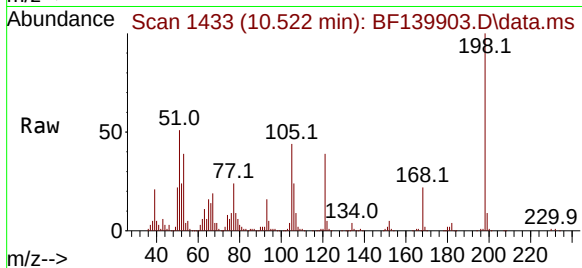
#65
4,6-Dinitro-2-methylphenol
Concen: 70.510 ng
RT: 10.522 min Scan# 1432
Delta R.T. 0.006 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

Instrument :
BNA_F
ClientSampleId :
SP-3MSD

Tgt Ion:198 Resp: 164102
Ion Ratio Lower Upper
198 100
51 50.9 38.2 78.2
105 43.9 27.9 67.9

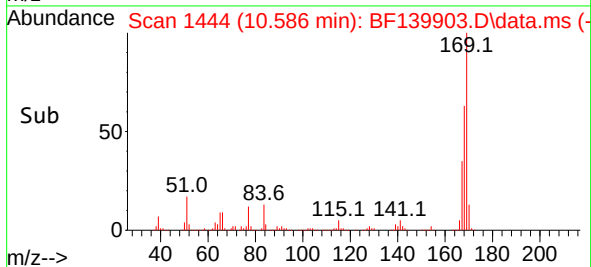
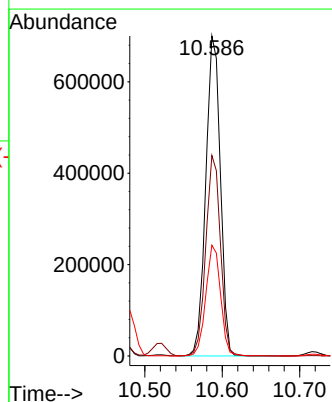
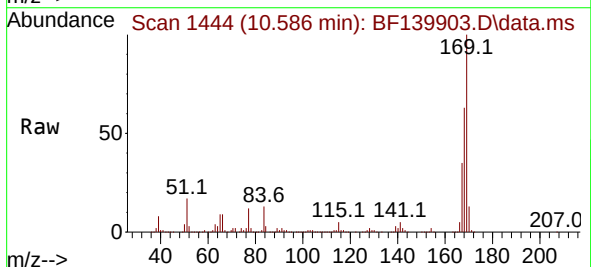
Manual Integrations
APPROVED

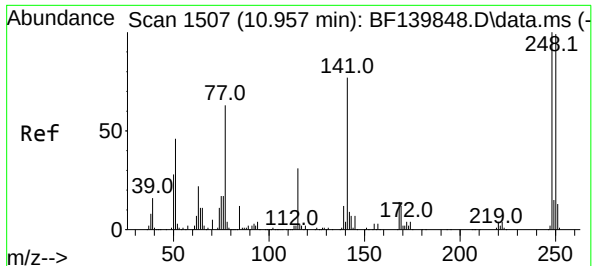
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



#66
n-Nitrosodiphenylamine
Concen: 53.545 ng
RT: 10.586 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

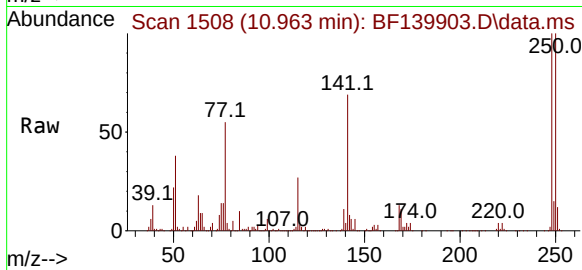
Tgt Ion:169 Resp: 914399
Ion Ratio Lower Upper
169 100
168 62.7 49.8 74.6
167 34.6 28.0 42.0





#67
4-Bromophenyl-phenylether
Concen: 53.448 ng
RT: 10.963 min Scan# 1508
Delta R.T. 0.006 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

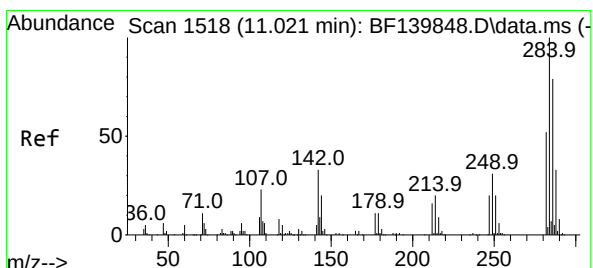
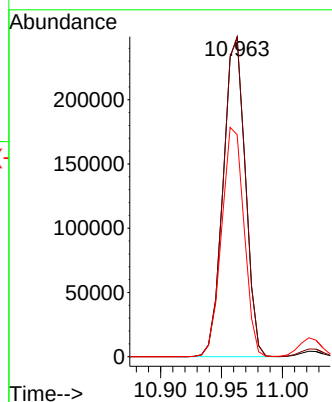
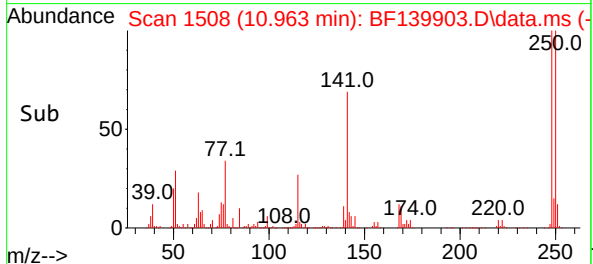
Instrument :
BNA_F
ClientSampleId :
SP-3MSD



Tgt Ion:248 Resp: 31416
Ion Ratio Lower Upper
248 100
250 100.3 79.0 118.6
141 69.6 61.7 92.5

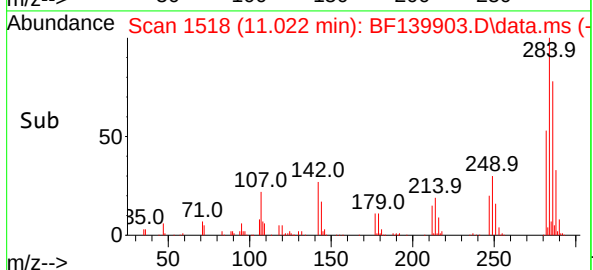
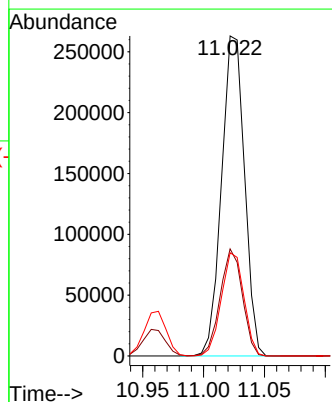
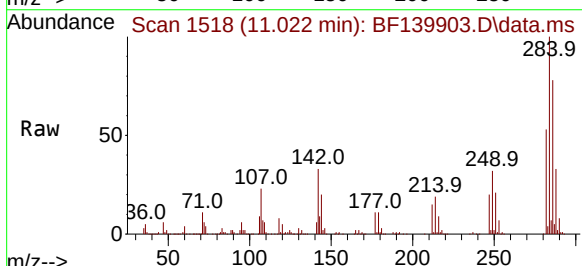
Manual Integrations
APPROVED

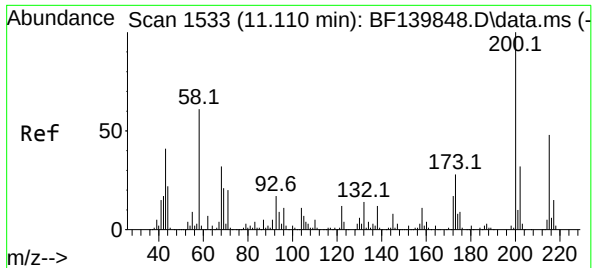
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



#68
Hexachlorobenzene
Concen: 52.307 ng
RT: 11.022 min Scan# 1518
Delta R.T. 0.000 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

Tgt Ion:284 Resp: 345791
Ion Ratio Lower Upper
284 100
142 33.5 26.9 40.3
249 32.3 25.3 37.9





#69

Atrazine

Concen: 61.917 ng

RT: 11.116 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF139903.D

Acq: 21 Oct 2024 15:15

Instrument :

BNA_F

ClientSampleId :

SP-3MSD

Tgt Ion:200 Resp: 286420

Ion Ratio Lower Upper

200 100

173 26.7 7.7 47.7

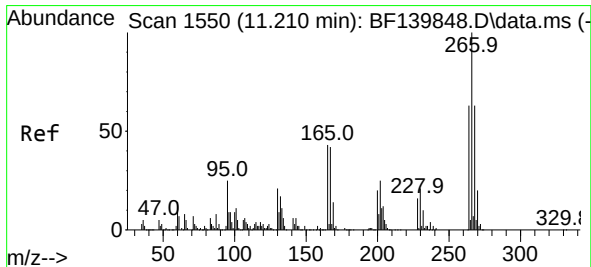
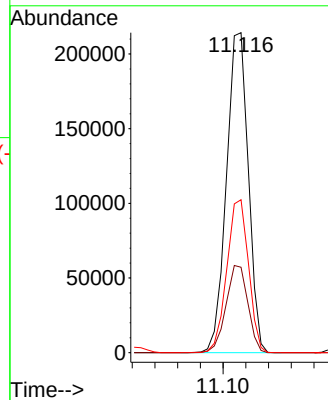
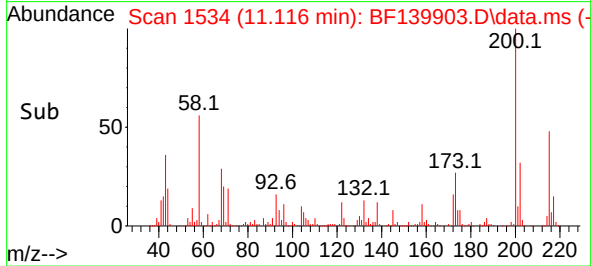
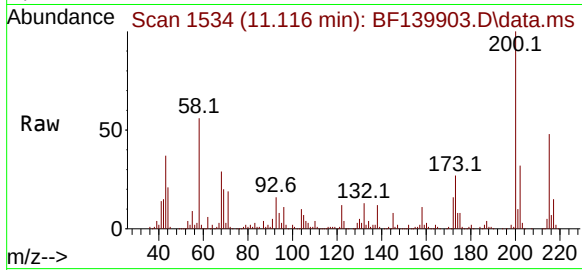
215 47.8 27.7 67.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/23/2024



#70

Pentachlorophenol

Concen: 98.740 ng

RT: 11.216 min Scan# 1551

Delta R.T. 0.006 min

Lab File: BF139903.D

Acq: 21 Oct 2024 15:15

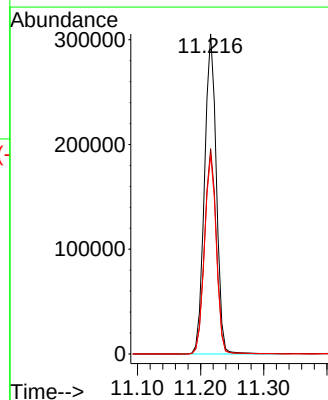
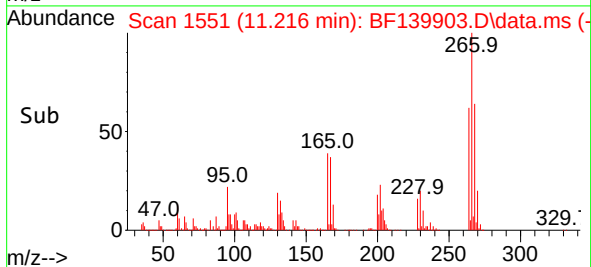
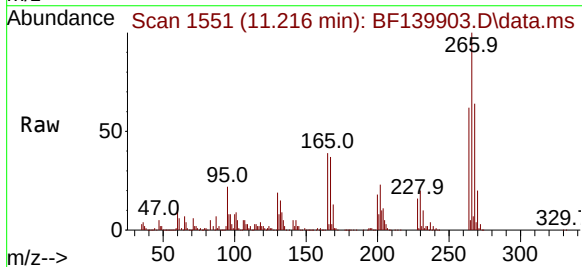
Tgt Ion:266 Resp: 396159

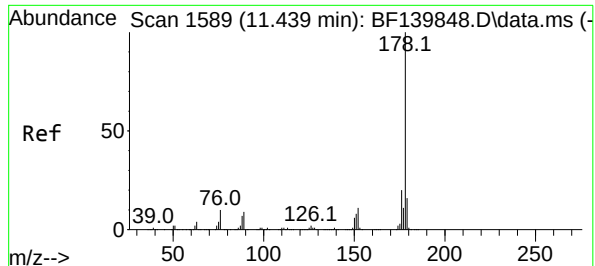
Ion Ratio Lower Upper

266 100

268 64.1 50.4 75.6

264 62.4 50.6 75.8





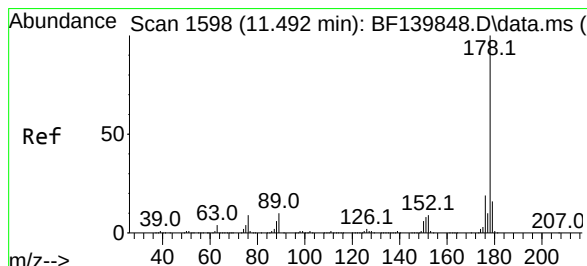
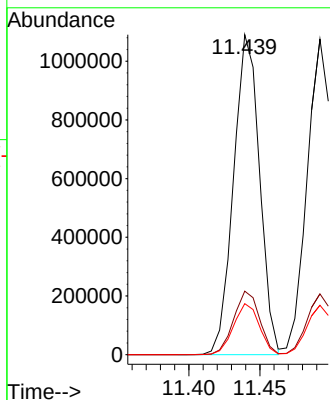
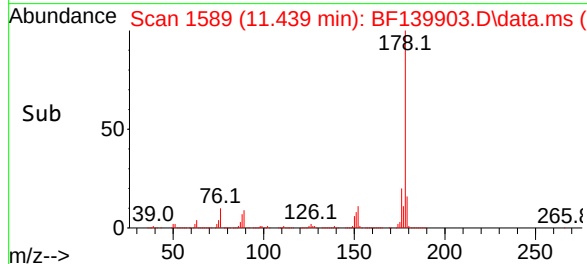
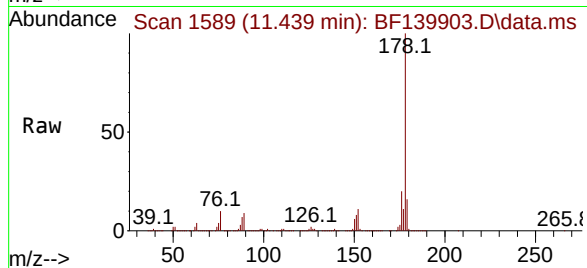
#71
Phenanthrene
Concen: 51.537 ng
RT: 11.439 min Scan# 1589
Delta R.T. 0.000 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

Instrument :
BNA_F
ClientSampleId :
SP-3MSD

Tgt Ion:178 Resp: 1389000
Ion Ratio Lower Upper
178 100
176 19.9 15.8 23.6
179 15.9 12.6 18.8

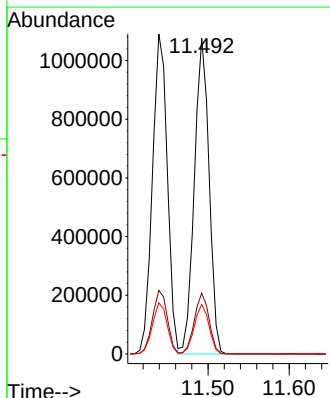
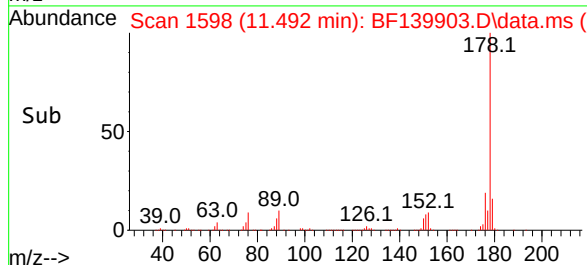
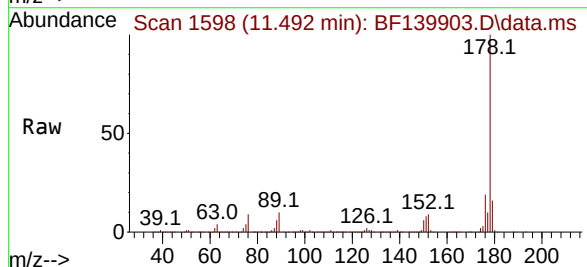
Manual Integrations
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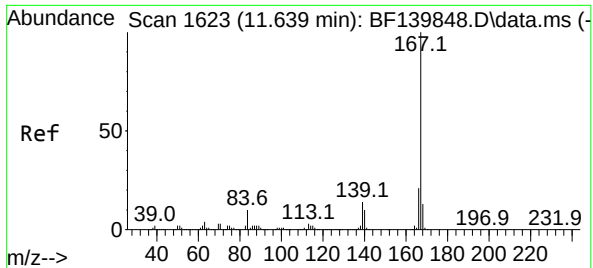
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



#72
Anthracene
Concen: 51.634 ng
RT: 11.492 min Scan# 1598
Delta R.T. 0.000 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

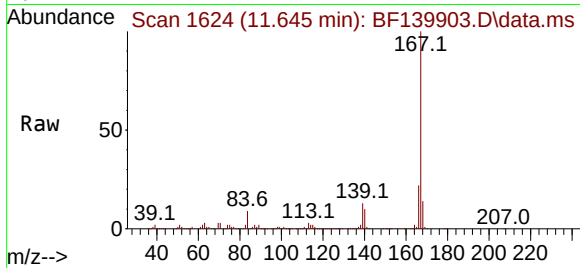
Tgt Ion:178 Resp: 1357792
Ion Ratio Lower Upper
178 100
176 19.3 15.3 22.9
179 15.7 12.4 18.6





#73
 Carbazole
 Concen: 48.028 ng
 RT: 11.645 min Scan# 1623
 Delta R.T. 0.006 min
 Lab File: BF139903.D
 Acq: 21 Oct 2024 15:15

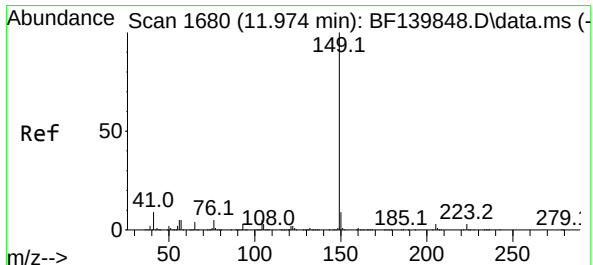
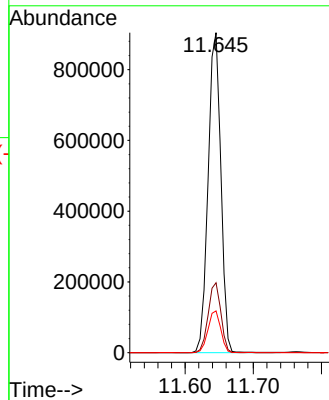
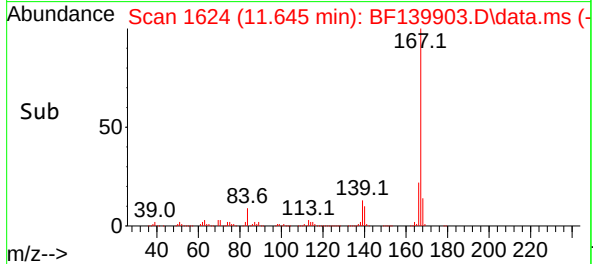
Instrument :
 BNA_F
 ClientSampleId :
 SP-3MSD



Tgt Ion:167 Resp: 1174574
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.0 25.6
 139 13.1 10.8 16.2

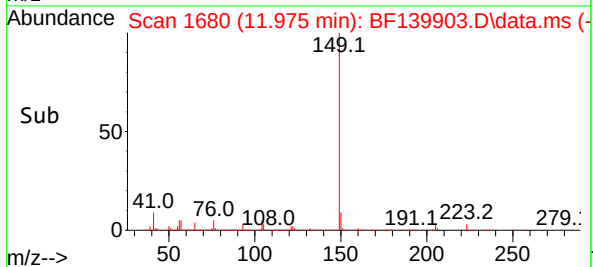
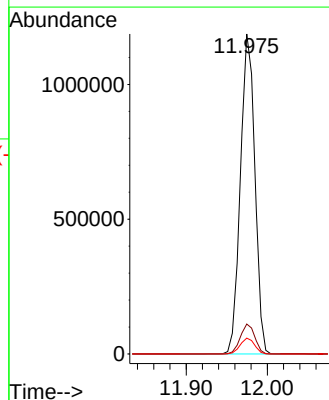
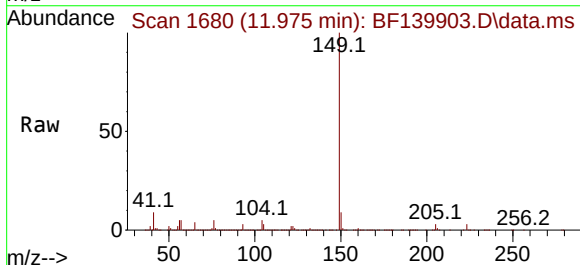
Manual Integrations
 APPROVED

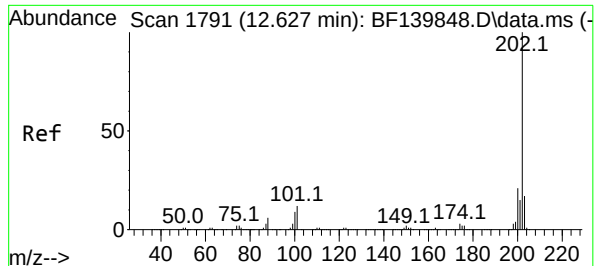
Reviewed By :Yogesh Patel 10/22/2024
 Supervised By :mohammad ahmed 10/23/2024



#74
 Di-n-butylphthalate
 Concen: 51.931 ng
 RT: 11.975 min Scan# 1680
 Delta R.T. 0.000 min
 Lab File: BF139903.D
 Acq: 21 Oct 2024 15:15

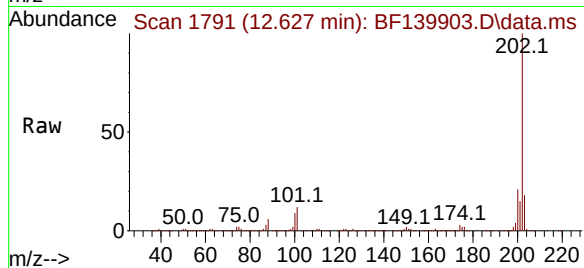
Tgt Ion:149 Resp: 1467314
 Ion Ratio Lower Upper
 149 100
 150 9.4 7.5 11.3
 104 5.0 4.1 6.1





#75
Fluoranthene
Concen: 46.912 ng
RT: 12.627 min Scan# 1791
Delta R.T. 0.000 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

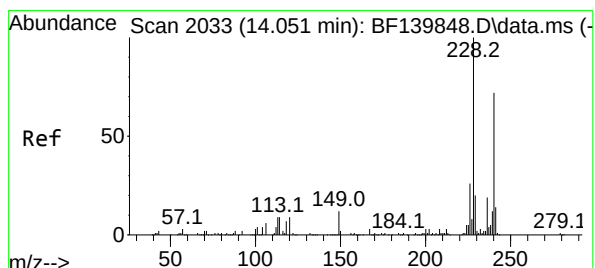
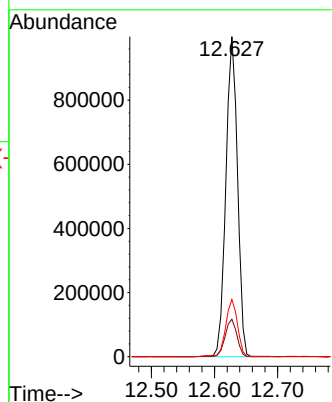
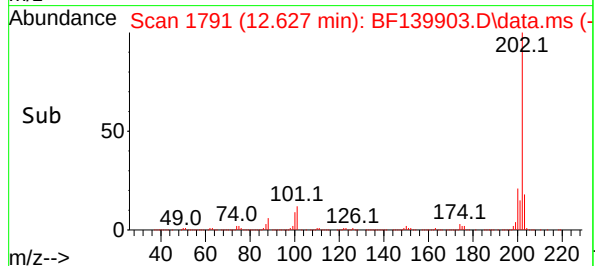
Instrument :
BNA_F
ClientSampleId :
SP-3MSD



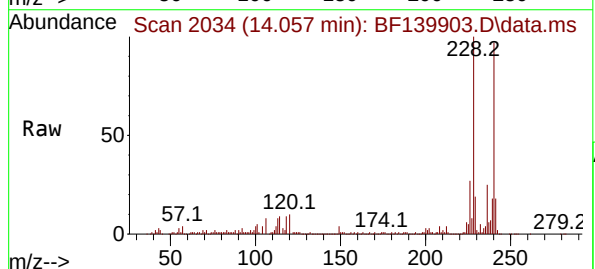
Tgt Ion:202 Resp: 1278160
Ion Ratio Lower Upper
202 100
101 11.7 0.0 31.9
203 17.9 0.0 37.5

Manual Integrations
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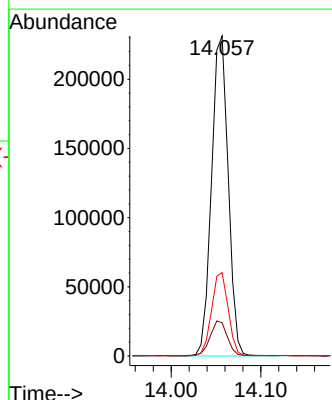
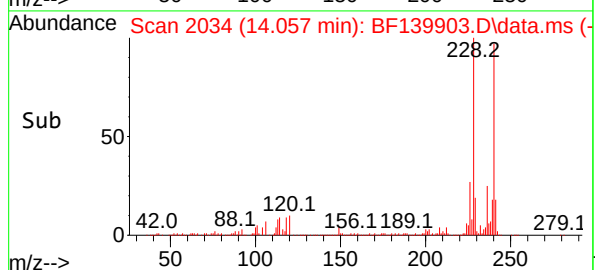
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024

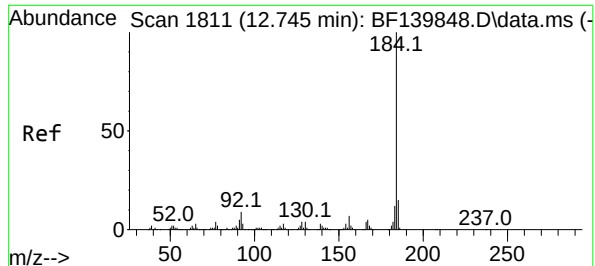


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. 0.006 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15



Tgt Ion:240 Resp: 298930
Ion Ratio Lower Upper
240 100
120 10.3 9.4 14.2
236 26.0 20.9 31.3





#77

Benzidine

Concen: 28.330 ng

RT: 12.745 min Scan# 1811

Delta R.T. 0.000 min

Lab File: BF139903.D

Acq: 21 Oct 2024 15:15

Instrument :

BNA_F

ClientSampleId :

SP-3MSD

Tgt Ion:184 Resp: 139250

Ion Ratio Lower Upper

184 100

185 14.8 12.0 18.0

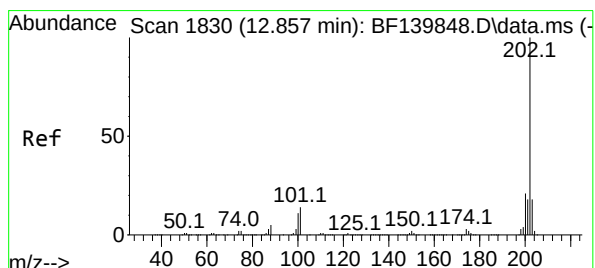
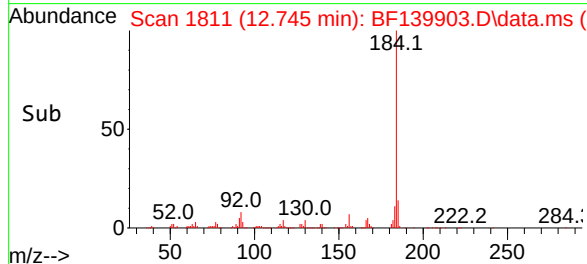
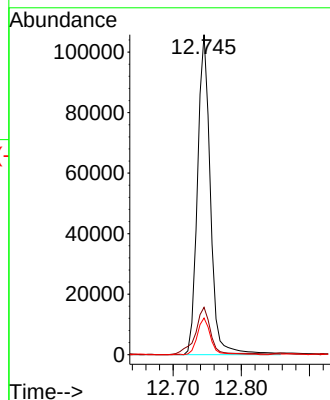
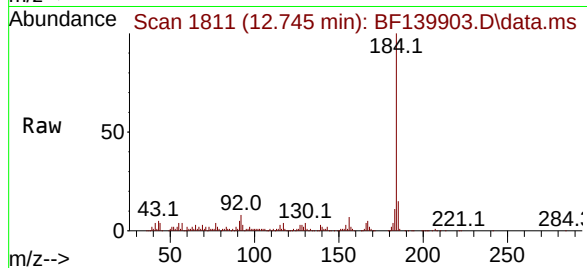
183 11.5 9.4 14.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/23/2024



#78

Pyrene

Concen: 49.078 ng

RT: 12.857 min Scan# 1830

Delta R.T. 0.000 min

Lab File: BF139903.D

Acq: 21 Oct 2024 15:15

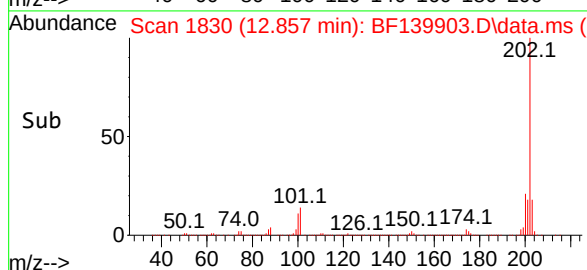
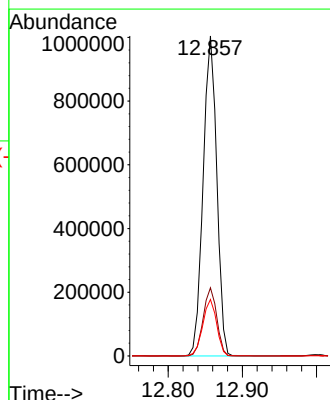
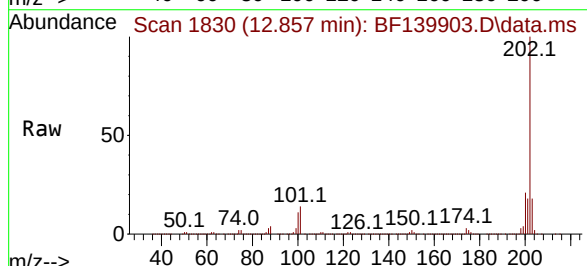
Tgt Ion:202 Resp: 1284179

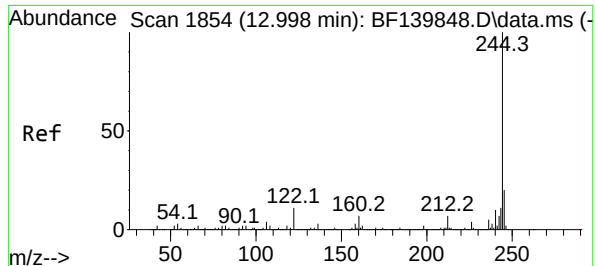
Ion Ratio Lower Upper

202 100

200 21.3 17.2 25.8

203 17.6 14.2 21.4





#79

Terphenyl-d14

Concen: 82.754 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.000 min

Lab File: BF139903.D

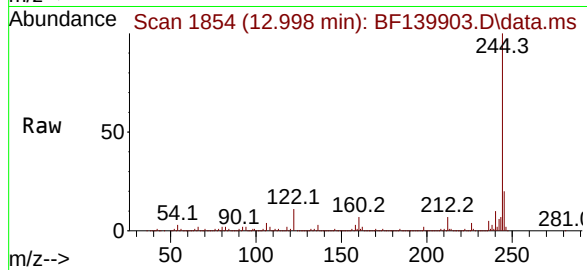
Acq: 21 Oct 2024 15:15

Instrument :

BNA_F

ClientSampleId :

SP-3MSD



Tgt Ion:244 Resp: 1518139

Ion Ratio Lower Upper

244 100

212 6.9 5.7 8.5

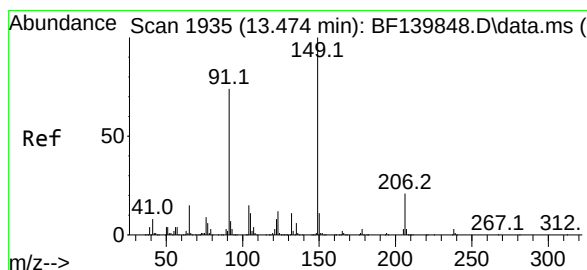
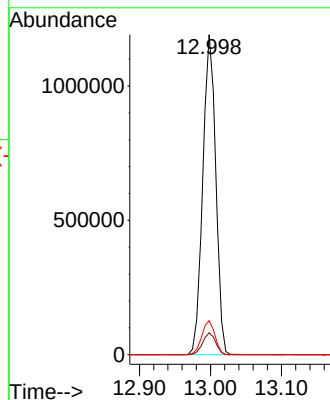
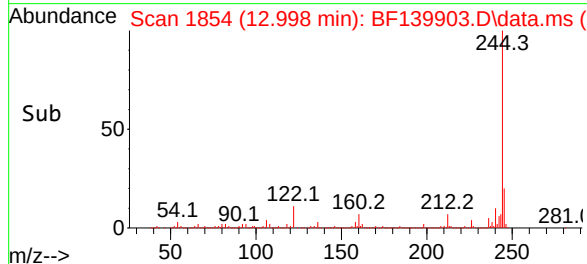
122 10.6 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/23/2024



#80

Butylbenzylphthalate

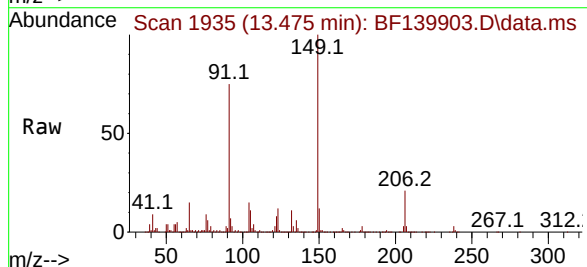
Concen: 63.465 ng

RT: 13.475 min Scan# 1935

Delta R.T. 0.000 min

Lab File: BF139903.D

Acq: 21 Oct 2024 15:15



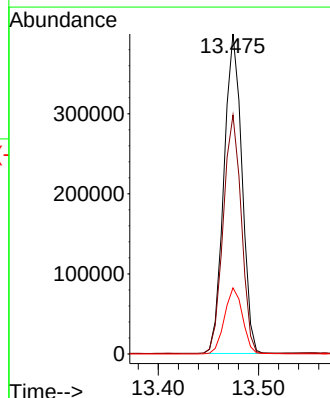
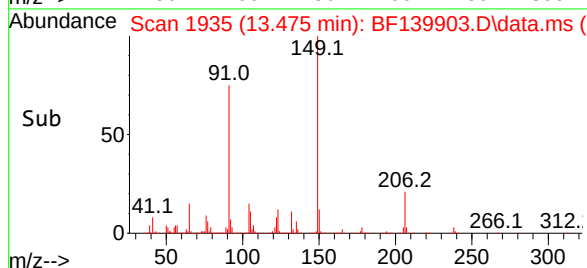
Tgt Ion:149 Resp: 497868

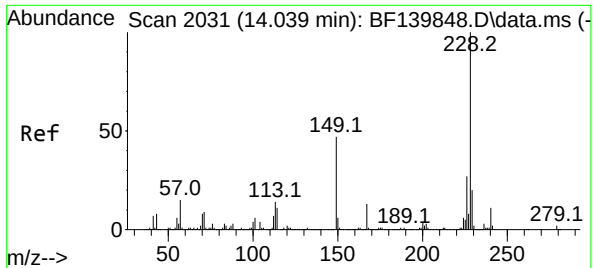
Ion Ratio Lower Upper

149 100

91 74.6 59.4 89.2

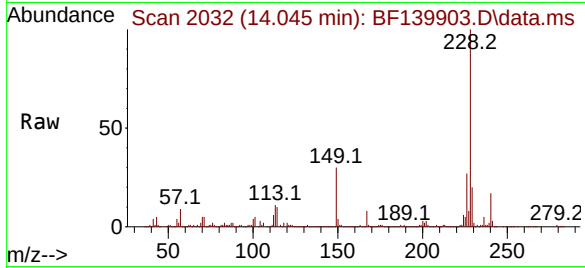
206 20.7 16.4 24.6





#81
Benzo(a)anthracene
Concen: 52.643 ng
RT: 14.045 min Scan# 2031
Delta R.T. 0.006 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

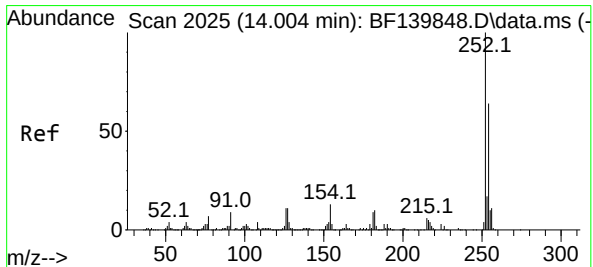
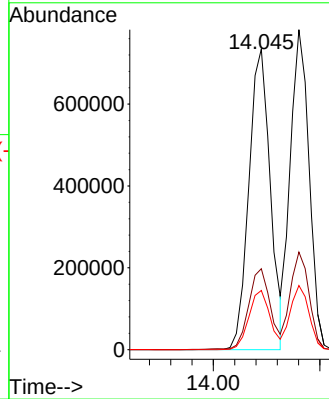
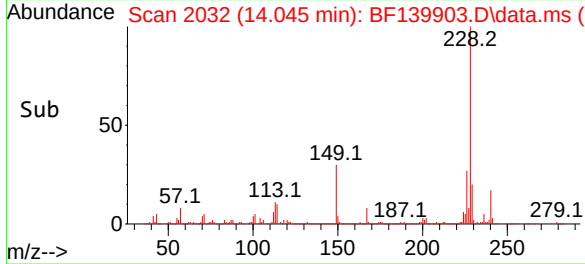
Instrument :
BNA_F
ClientSampleId :
SP-3MSD



Tgt Ion:228 Resp: 1024399
Ion Ratio Lower Upper
228 100
226 26.9 21.6 32.4
229 19.7 16.1 24.1

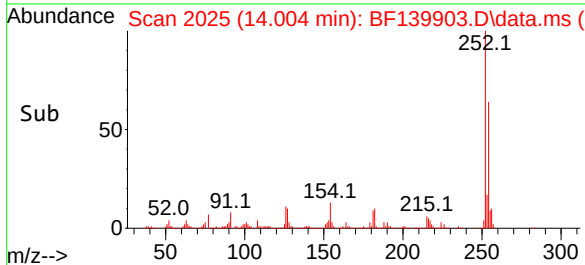
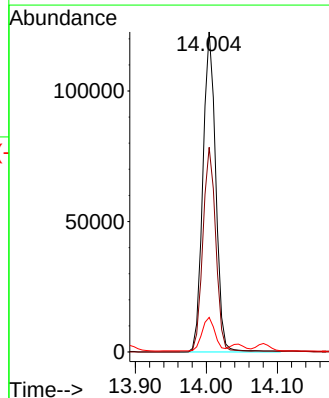
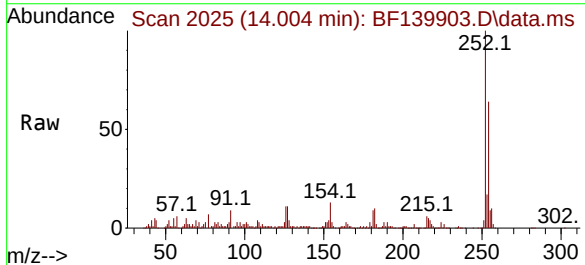
Manual Integrations
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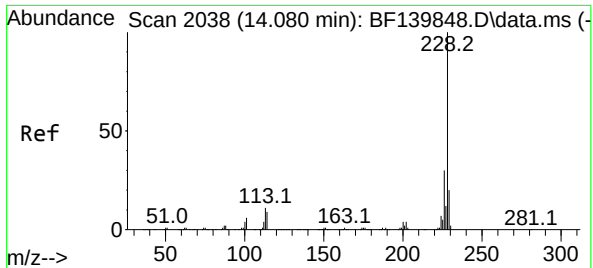
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



#82
3,3'-Dichlorobenzidine
Concen: 27.354 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

Tgt Ion:252 Resp: 155200
Ion Ratio Lower Upper
252 100
254 64.0 50.8 76.2
126 10.8 8.9 13.3





#83

Chrysene

Concen: 53.677 ng

RT: 14.080 min Scan# 2038

Delta R.T. 0.000 min

Lab File: BF139903.D

Acq: 21 Oct 2024 15:15

Instrument :

BNA_F

ClientSampleId :

SP-3MSD

Tgt Ion:228 Resp: 95769

Ion Ratio Lower Upper

228 100

226 30.5 24.1 36.1

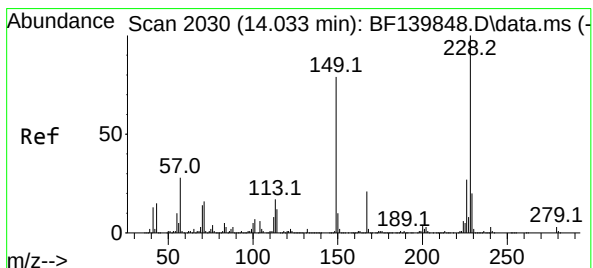
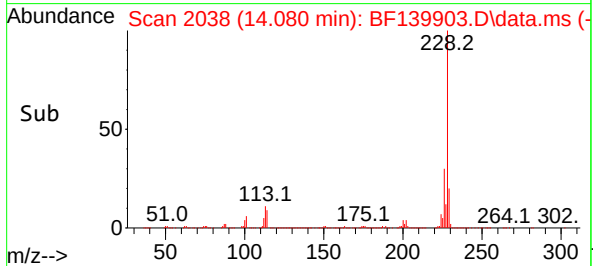
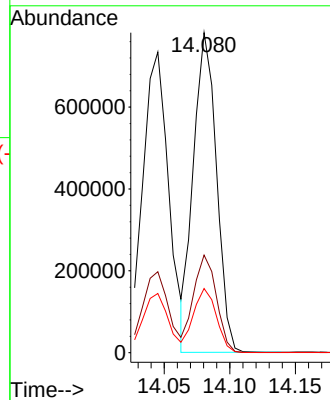
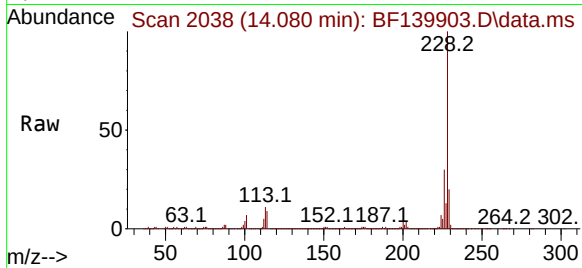
229 20.1 15.8 23.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/23/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 69.622 ng

RT: 14.033 min Scan# 2030

Delta R.T. 0.000 min

Lab File: BF139903.D

Acq: 21 Oct 2024 15:15

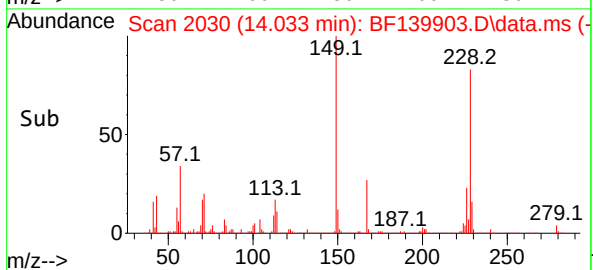
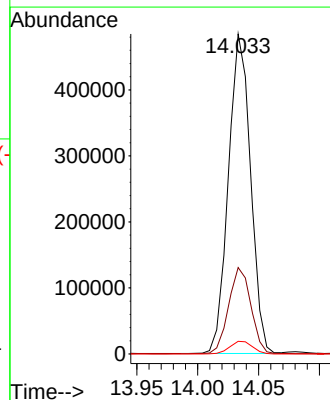
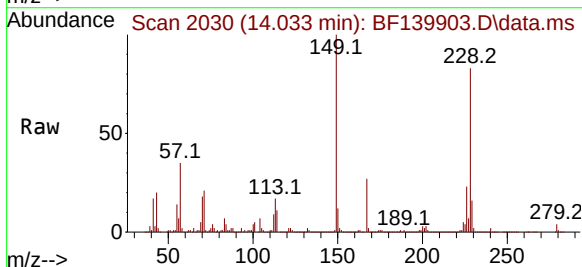
Tgt Ion:149 Resp: 612765

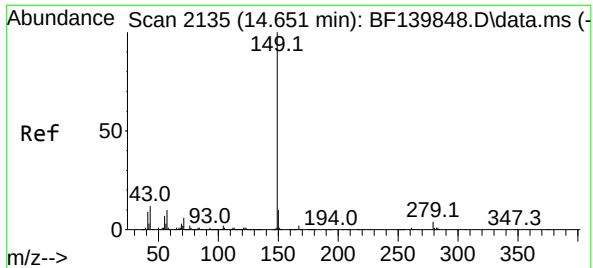
Ion Ratio Lower Upper

149 100

167 27.0 21.4 32.0

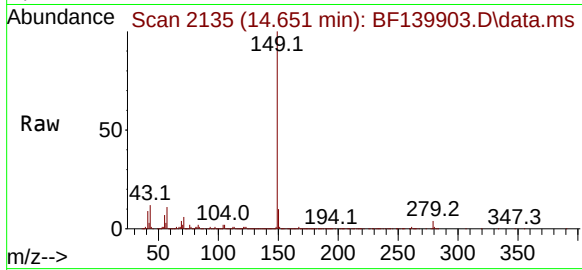
279 3.9 3.0 4.4





#85
Di-n-octyl phthalate
Concen: 65.136 ng
RT: 14.651 min Scan# 2135
Delta R.T. -0.000 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

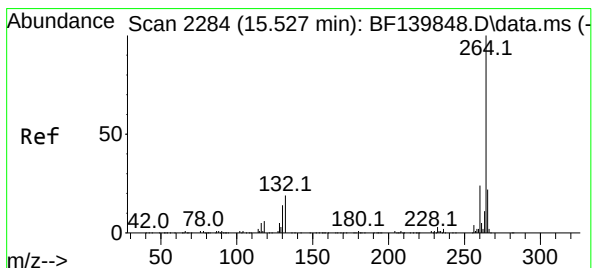
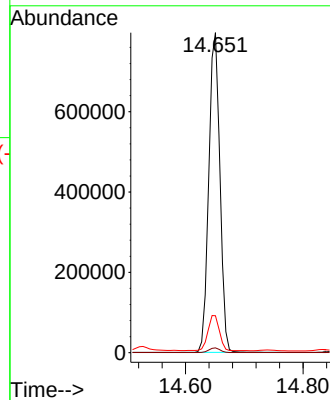
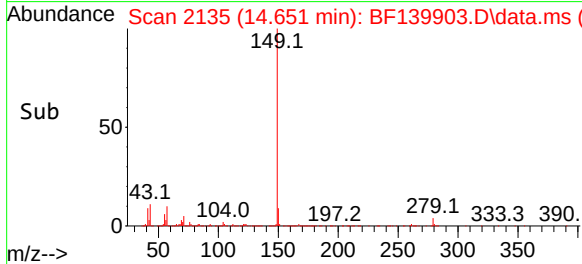
Instrument :
BNA_F
ClientSampleId :
SP-3MSD



Tgt Ion:149 Resp: 1042738
Ion Ratio Lower Upper
149 100
167 1.5 1.2 1.8
43 11.5 9.8 14.6

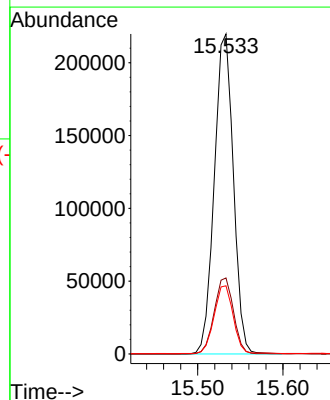
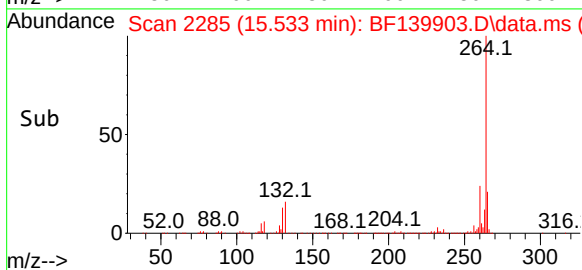
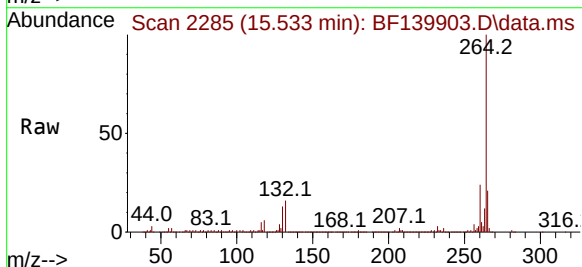
Manual Integrations
APPROVED

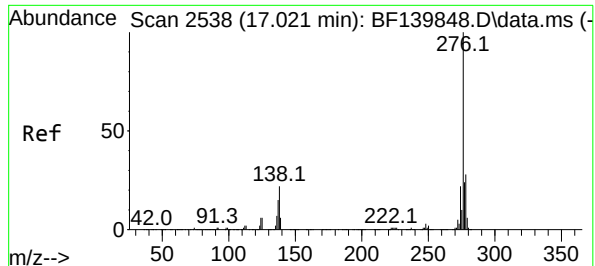
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2285
Delta R.T. 0.006 min
Lab File: BF139903.D
Acq: 21 Oct 2024 15:15

Tgt Ion:264 Resp: 341306
Ion Ratio Lower Upper
264 100
260 23.8 19.4 29.2
265 21.3 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 46.572 ng

RT: 17.027 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF139903.D

Acq: 21 Oct 2024 15:15

Instrument :

BNA_F

ClientSampleId :

SP-3MSD

Tgt Ion:276 Resp: 102258

Ion Ratio Lower Upper

276 100

138 24.0 20.4 30.6

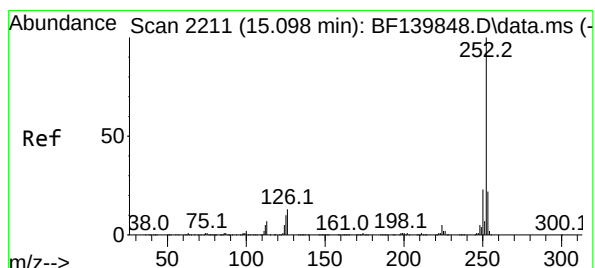
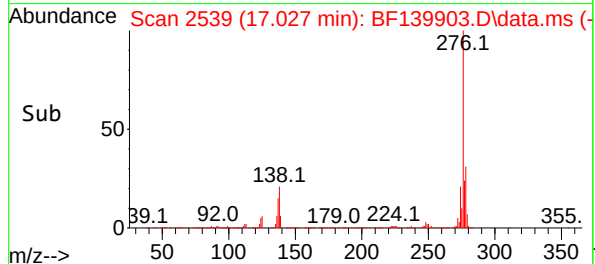
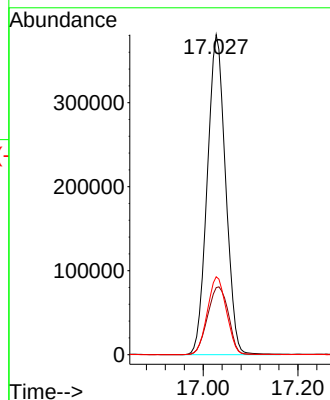
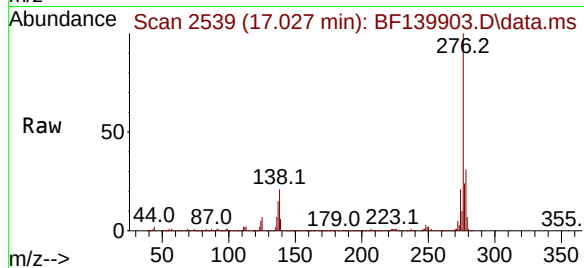
277 25.4 20.2 30.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/23/2024



#88

Benzo(b)fluoranthene

Concen: 53.915 ng

RT: 15.098 min Scan# 2211

Delta R.T. 0.000 min

Lab File: BF139903.D

Acq: 21 Oct 2024 15:15

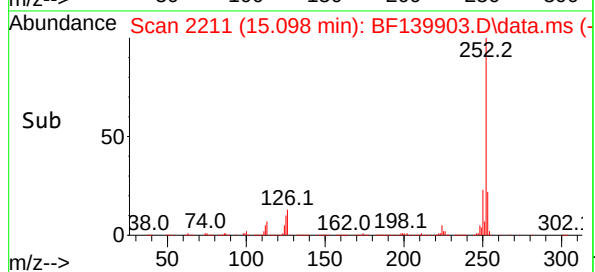
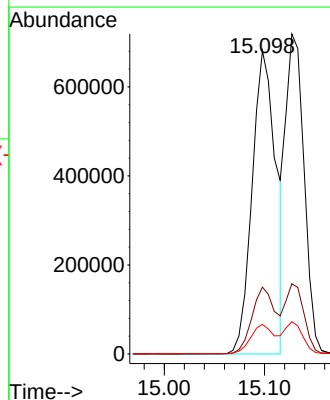
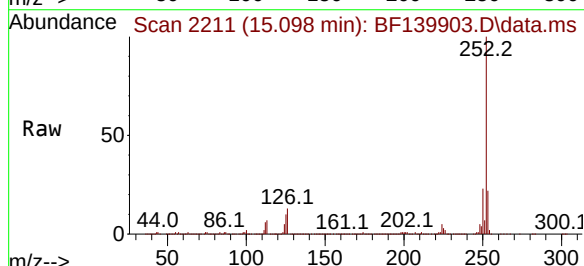
Tgt Ion:252 Resp: 1120950

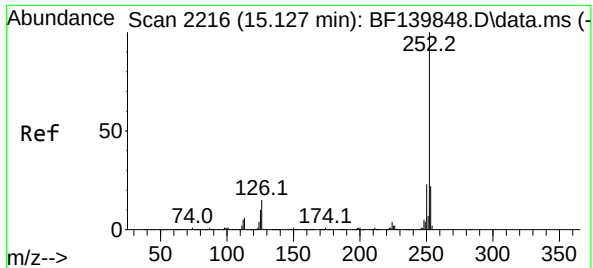
Ion Ratio Lower Upper

252 100

253 22.1 17.6 26.4

125 9.8 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 51.117 ng

RT: 15.127 min Scan# 2216

Delta R.T. 0.000 min

Lab File: BF139903.D

Acq: 21 Oct 2024 15:15

Instrument :

BNA_F

ClientSampleId :

SP-3MSD

Tgt Ion:252 Resp: 91654

Ion Ratio Lower Upper

252 100

253 22.0 17.6 26.4

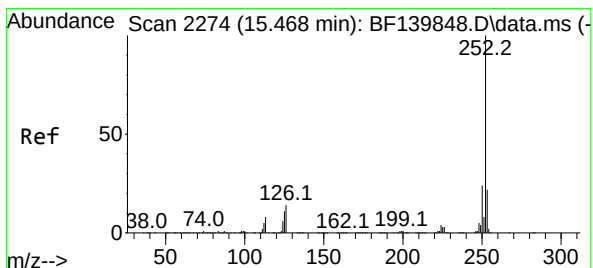
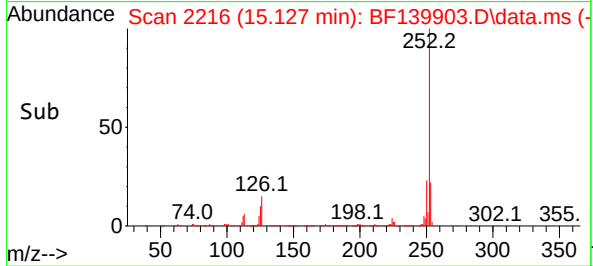
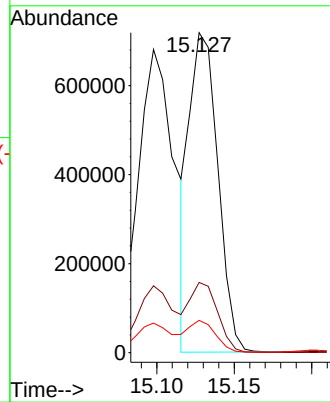
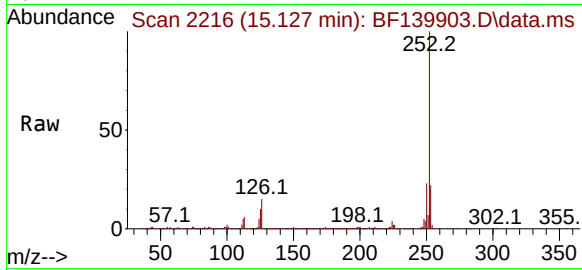
125 10.1 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/23/2024



#90

Benzo(a)pyrene

Concen: 57.157 ng

RT: 15.468 min Scan# 2274

Delta R.T. 0.000 min

Lab File: BF139903.D

Acq: 21 Oct 2024 15:15

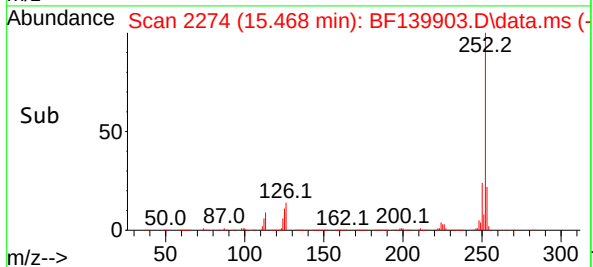
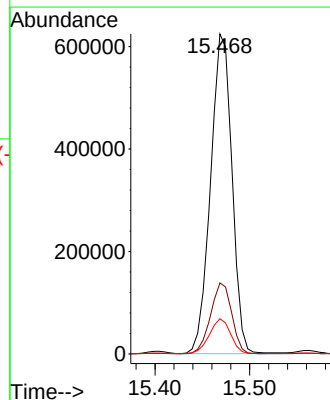
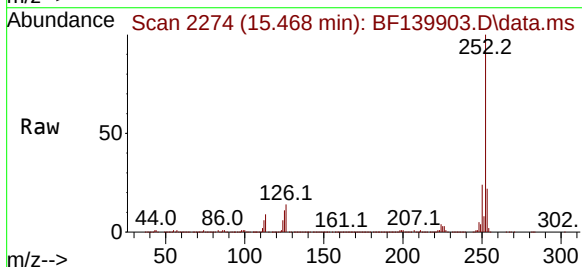
Tgt Ion:252 Resp: 977805

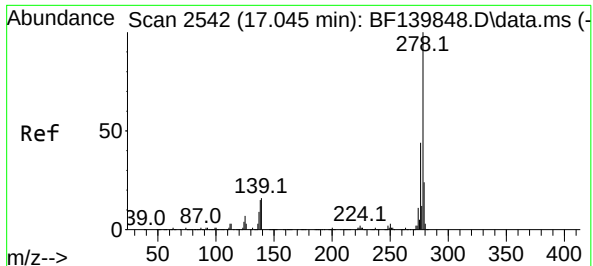
Ion Ratio Lower Upper

252 100

253 22.2 17.3 25.9

125 11.0 8.7 13.1





#91

Dibenzo(a,h)anthracene

Concen: 45.653 ng

RT: 17.051 min Scan# 2542

Delta R.T. 0.006 min

Lab File: BF139903.D

Acq: 21 Oct 2024 15:15

Instrument :

BNA_F

ClientSampleId :

SP-3MSD

Tgt Ion:278 Resp: 836229

Ion Ratio Lower Upper

278 100

139 15.1 13.1 19.7

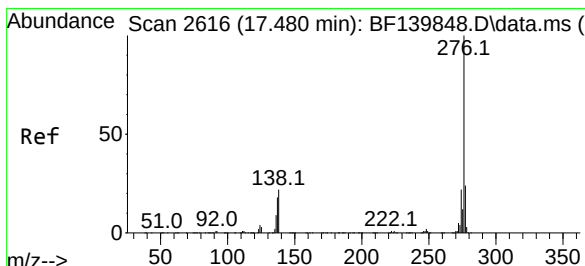
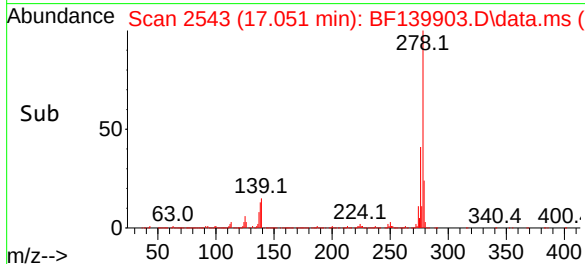
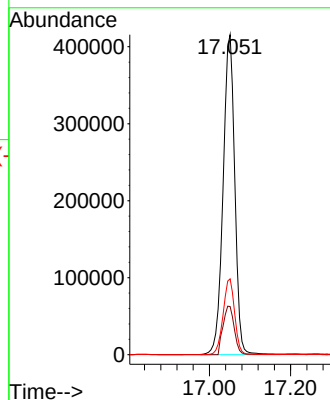
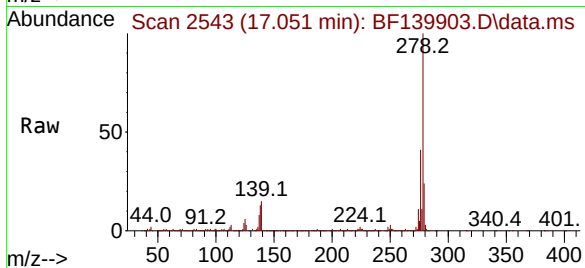
279 23.7 19.0 28.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/23/2024



#92

Benzo(g,h,i)perylene

Concen: 40.243 ng

RT: 17.480 min Scan# 2616

Delta R.T. 0.000 min

Lab File: BF139903.D

Acq: 21 Oct 2024 15:15

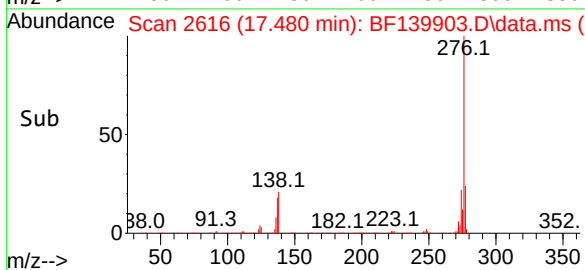
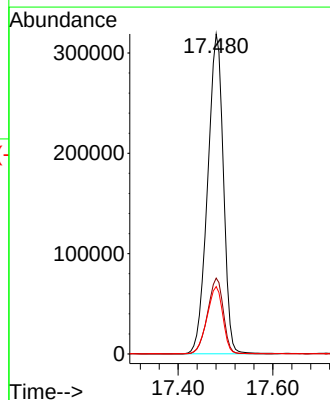
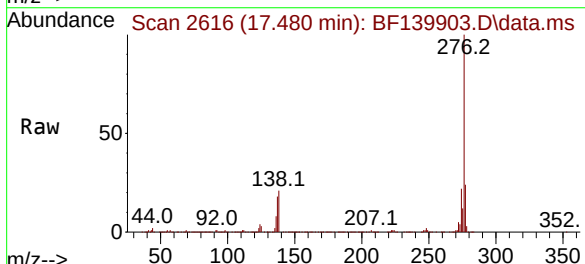
Tgt Ion:276 Resp: 736293

Ion Ratio Lower Upper

276 100

277 23.7 19.0 28.6

138 21.0 17.4 26.0



Manual Integration Report

Sequence:

BF101824

Instrument

BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICCC040	BF139848.D	Phenol	yogesh	10/21/2024 6:33:45 AM	mohammad	10/21/2024 6:38:35 AM	Peak Integrated by Software
SSTDICCC050	BF139849.D	Phenol	yogesh	10/21/2024 6:33:46 AM	mohammad	10/21/2024 6:38:35 AM	Peak Integrated by Software
SSTDICCC060	BF139850.D	Phenol	yogesh	10/21/2024 6:33:47 AM	mohammad	10/21/2024 6:38:35 AM	Peak Integrated by Software
SSTDICCC080	BF139851.D	Aniline	yogesh	10/21/2024 6:33:49 AM	mohammad	10/21/2024 6:38:35 AM	Peak Integrated by Software
SSTDICV040	BF139852.D	Phenol	yogesh	10/21/2024 6:33:50 AM	mohammad	10/21/2024 6:38:35 AM	Peak Integrated by Software

Manual Integration Report

Sequence:

BF102124

Instrument

BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF139892.D	Phenol	yogesh	10/22/2024 4:37:38 AM	mohammad	10/23/2024 4:28:27 AM	Peak Integrated by Software
P4385-06MS	BF139902.D	Caprolactam	yogesh	10/22/2024 4:37:42 AM	mohammad	10/23/2024 4:28:27 AM	Peak Integrated by Software
P4385-06MS	BF139902.D	Phenol	yogesh	10/22/2024 4:37:42 AM	mohammad	10/23/2024 4:28:27 AM	Peak Integrated by Software
P4385-06MSD	BF139903.D	Caprolactam	yogesh	10/22/2024 4:37:46 AM	mohammad	10/23/2024 4:28:27 AM	Peak Integrated by Software
P4385-06MSD	BF139903.D	Phenol	yogesh	10/22/2024 4:37:46 AM	mohammad	10/23/2024 4:28:27 AM	Peak Integrated by Software

Manual Integration Report

Sequence:

BF102224

Instrument

BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF139917.D	Phenol	Jagrut	10/23/2024 2:27:27 PM	mohammad	10/24/2024 1:59:10 AM	Peak Integrated by Software
PB164071BS	BF139921.D	Caprolactam	Jagrut	10/23/2024 2:27:32 PM	mohammad	10/24/2024 1:59:10 AM	Peak Integrated by Software
PB164071BS	BF139921.D	Phenol	Jagrut	10/23/2024 2:27:32 PM	mohammad	10/24/2024 1:59:10 AM	Peak Integrated by Software
SSTDCCC040	BF139927.D	Phenol	Jagrut	10/23/2024 2:27:40 PM	mohammad	10/24/2024 1:59:10 AM	Peak Integrated by Software



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

Manual Integration Report

Sequence:	BF102324	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF139952.D	Phenol	yogesh	10/24/2024 1:42:16 AM	mohammad	10/24/2024 1:59:24 AM	Peak Integrated by Software
SSTDCCC040	BF139965.D	Phenol	yogesh	10/24/2024 1:42:27 AM	mohammad	10/24/2024 1:59:24 AM	Peak Integrated by Software

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF101824

Review By	yogesh	Review On	10/21/2024 6:34:01 AM
Supervise By	mohammad	Supervise On	10/21/2024 6:38:35 AM
SubDirectory	BF101824	HP Acquire Method	BNA_F
		HP Processing Method	bf101824
STD. NAME	STD REF.#		
Tune/Reschk	SP6573		
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621		
CCC	SP6624		
Internal Standard/PEM	S12322,10ul/1000ul sample		
ICV/I.BLK	SP6559		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF139843.D	18 Oct 2024 09:22	RC/JU	Ok
2	SSTDICC2.5	BF139844.D	18 Oct 2024 10:27	RC/JU	Ok
3	SSTDICC005	BF139845.D	18 Oct 2024 10:55	RC/JU	Ok
4	SSTDICC010	BF139846.D	18 Oct 2024 11:23	RC/JU	Ok
5	SSTDICC020	BF139847.D	18 Oct 2024 11:52	RC/JU	Ok
6	SSTDICCC040	BF139848.D	18 Oct 2024 12:20	RC/JU	Ok,M
7	SSTDICC050	BF139849.D	18 Oct 2024 12:49	RC/JU	Ok,M
8	SSTDICC060	BF139850.D	18 Oct 2024 13:17	RC/JU	Ok,M
9	SSTDICC080	BF139851.D	18 Oct 2024 13:46	RC/JU	Ok,M
10	SSTDICV040	BF139852.D	18 Oct 2024 14:19	RC/JU	Ok,M
11	PB164211BL	BF139853.D	18 Oct 2024 14:48	RC/JU	Ok
12	P4405-01	BF139854.D	18 Oct 2024 15:21	RC/JU	Ok
13	P4431-01	BF139855.D	18 Oct 2024 15:50	RC/JU	Ok,M
14	P4421-01	BF139856.D	18 Oct 2024 16:18	RC/JU	Ok,M
15	P4422-01	BF139857.D	18 Oct 2024 16:46	RC/JU	Ok
16	P4425-01	BF139858.D	18 Oct 2024 17:15	RC/JU	Ok
17	P4425-03	BF139859.D	18 Oct 2024 17:44	RC/JU	Ok
18	P4425-05	BF139860.D	18 Oct 2024 18:12	RC/JU	Ok
19	P4425-07	BF139861.D	18 Oct 2024 18:41	RC/JU	ReRun
20	P4425-09	BF139862.D	18 Oct 2024 19:09	RC/JU	ReRun
21	P4426-03	BF139863.D	18 Oct 2024 19:37	RC/JU	ReRun

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF101824

Review By	yogesh	Review On	10/21/2024 6:34:01 AM		
Supervise By	mohammad	Supervise On	10/21/2024 6:38:35 AM		
SubDirectory	BF101824	HP Acquire Method	BNA_F	HP Processing Method	bf101824
STD. NAME		STD REF.#			
Tune/Reschk		SP6573			
Initial Calibration Stds		SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621			
CCC		SP6624			
Internal Standard/PEM		S12322,10ul/1000ul sample			
ICV/I.BLK		SP6559			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

22	P4426-07	BF139864.D	18 Oct 2024 20:05	RC/JU	ReRun
23	P4426-17	BF139865.D	18 Oct 2024 20:34	RC/JU	ReRun
24	P4426-11	BF139866.D	18 Oct 2024 21:02	RC/JU	ReRun

M : Manual Integration

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF102124

Review By	yogesh	Review On	10/22/2024 4:38:40 AM
Supervise By	mohammad	Supervise On	10/23/2024 4:28:27 AM
SubDirectory	BF102124	HP Acquire Method	BNA_F
		HP Processing Method	bf101824
STD. NAME	STD REF.#		
Tune/Reschk	SP6573		
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621		
CCC	SP6624		
Internal Standard/PEM	S12322,10ul/1000ul sample		
ICV/I.BLK	SP6559		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF139891.D	21 Oct 2024 09:28	RC/JU	Ok
2	SSTDCCC040	BF139892.D	21 Oct 2024 09:57	RC/JU	Ok,M
3	PB164123BL	BF139893.D	21 Oct 2024 10:25	RC/JU	Ok
4	P4430-01	BF139894.D	21 Oct 2024 10:58	RC/JU	Ok
5	P4425-07	BF139895.D	21 Oct 2024 11:27	RC/JU	Ok
6	P4425-09	BF139896.D	21 Oct 2024 11:55	RC/JU	Ok
7	P4426-03	BF139897.D	21 Oct 2024 12:24	RC/JU	Ok
8	P4426-07	BF139898.D	21 Oct 2024 12:52	RC/JU	Ok
9	P4426-17	BF139899.D	21 Oct 2024 13:20	RC/JU	Ok
10	P4426-11	BF139900.D	21 Oct 2024 13:49	RC/JU	Ok
11	P4396-01RE	BF139901.D	21 Oct 2024 14:18	RC/JU	Confirms
12	P4385-06MS	BF139902.D	21 Oct 2024 14:47	RC/JU	Ok,M
13	P4385-06MSD	BF139903.D	21 Oct 2024 15:15	RC/JU	Ok,M
14	P4403-01RE	BF139904.D	21 Oct 2024 15:44	RC/JU	Confirms
15	P4410-01RE	BF139905.D	21 Oct 2024 16:12	RC/JU	Confirms
16	P4410-01MS	BF139906.D	21 Oct 2024 16:42	RC/JU	Ok,M
17	P4410-01MSD	BF139907.D	21 Oct 2024 17:11	RC/JU	Ok,M
18	P4395-01RE	BF139908.D	21 Oct 2024 17:39	RC/JU	Confirms
19	P4400-01RE	BF139909.D	21 Oct 2024 18:08	RC/JU	Confirms
20	P4401-01RE	BF139910.D	21 Oct 2024 18:37	RC/JU	Confirms
21	P4406-01RE	BF139911.D	21 Oct 2024 19:06	RC/JU	Confirms

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF102124

Review By	yogesh	Review On	10/22/2024 4:38:40 AM
Supervise By	mohammad	Supervise On	10/23/2024 4:28:27 AM
SubDirectory	BF102124	HP Acquire Method	BNA_F
		HP Processing Method	bf101824
STD. NAME	STD REF.#		
Tune/Reschk	SP6573		
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621		
CCC	SP6624		
Internal Standard/PEM	S12322,10ul/1000ul sample		
ICV/I.BLK	SP6559		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	P4419-01	BF139912.D	21 Oct 2024 19:34	RC/JU	Ok,M
23	P4419-01MS	BF139913.D	21 Oct 2024 20:03	RC/JU	Ok,M
24	P4419-01MSD	BF139914.D	21 Oct 2024 20:32	RC/JU	Ok,M
25	P4455-01	BF139915.D	21 Oct 2024 21:01	RC/JU	Ok,M

M : Manual Integration

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF102224

Review By	Jagrut	Review On	10/23/2024 2:28:42 PM
Supervise By	mohammad	Supervise On	10/24/2024 1:59:10 AM
SubDirectory	BF102224	HP Acquire Method	BNA_F
		HP Processing Method	bf101824
STD. NAME	STD REF.#		
Tune/Reschk	SP6573		
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621		
CCC	SP6624		
Internal Standard/PEM	S12322,10ul/1000ul sample		
ICV/I.BLK	SP6559		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF139916.D	22 Oct 2024 09:11	RC/JU	Ok
2	SSTDCCC040	BF139917.D	22 Oct 2024 09:39	RC/JU	Ok,M
3	PB164152BL	BF139918.D	22 Oct 2024 10:07	RC/JU	Ok
4	PB164152BS	BF139919.D	22 Oct 2024 10:36	RC/JU	Ok,M
5	PB164071BL	BF139920.D	22 Oct 2024 11:05	RC/JU	Ok
6	PB164071BS	BF139921.D	22 Oct 2024 11:34	RC/JU	Ok,M
7	PB164176BL	BF139922.D	22 Oct 2024 12:03	RC/JU	Ok
8	PB164176BS	BF139923.D	22 Oct 2024 12:32	RC/JU	Ok,M
9	PB164246BL	BF139924.D	22 Oct 2024 13:01	RC/JU	Ok
10	PB164246BS	BF139925.D	22 Oct 2024 13:31	RC/JU	Ok,M
11	DFTPP	BF139926.D	22 Oct 2024 14:00	RC/JU	Ok
12	SSTDCCC040	BF139927.D	22 Oct 2024 14:28	RC/JU	Ok,M
13	PB164154BL	BF139928.D	22 Oct 2024 14:58	RC/JU	Ok
14	P4452-01	BF139929.D	22 Oct 2024 15:32	RC/JU	Ok
15	P4419-04	BF139930.D	22 Oct 2024 16:01	RC/JU	Ok
16	P4419-04MS	BF139931.D	22 Oct 2024 16:30	RC/JU	Ok,M
17	P4419-04MSD	BF139932.D	22 Oct 2024 16:59	RC/JU	Ok,M
18	P4458-02	BF139933.D	22 Oct 2024 17:29	RC/JU	Ok
19	P4443-05	BF139934.D	22 Oct 2024 17:58	RC/JU	Ok
20	P4443-10	BF139935.D	22 Oct 2024 18:27	RC/JU	Ok
21	P4385-08	BF139936.D	22 Oct 2024 18:56	RC/JU	Ok

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF102224

Review By	Jagrut	Review On	10/23/2024 2:28:42 PM
Supervise By	mohammad	Supervise On	10/24/2024 1:59:10 AM
SubDirectory	BF102224	HP Acquire Method	BNA_F
		HP Processing Method	bf101824
STD. NAME	STD REF.#		
Tune/Reschk	SP6573		
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621		
CCC	SP6624		
Internal Standard/PEM	S12322,10ul/1000ul sample		
ICV/I.BLK	SP6559		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	P4385-04	BF139937.D	22 Oct 2024 19:25	RC/JU	Ok
23	P4385-06	BF139938.D	22 Oct 2024 19:54	RC/JU	Ok
24	P4403-01MSD	BF139939.D	22 Oct 2024 20:22	RC/JU	Ok,M
25	P4403-01MS	BF139940.D	22 Oct 2024 20:51	RC/JU	Ok,M
26	P4385-02	BF139941.D	22 Oct 2024 21:20	RC/JU	Ok
27	P4456-01	BF139942.D	22 Oct 2024 21:49	RC/JU	Ok
28	P4431-01MS	BF139943.D	22 Oct 2024 22:17	RC/JU	Ok,M
29	P4431-01MSD	BF139944.D	22 Oct 2024 22:46	RC/JU	Ok,M
30	P4385-16	BF139945.D	22 Oct 2024 23:14	RC/JU	Ok
31	P4385-18	BF139946.D	22 Oct 2024 23:43	RC/JU	Ok
32	P4385-12	BF139947.D	23 Oct 2024 00:11	RC/JU	Ok
33	P4443-01	BF139948.D	23 Oct 2024 00:40	RC/JU	Ok,M
34	P4385-10	BF139949.D	23 Oct 2024 01:08	RC/JU	Ok
35	P4443-06	BF139950.D	23 Oct 2024 01:36	RC/JU	Dilution

M : Manual Integration

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF102324

Review By	yogesh	Review On	10/24/2024 1:42:44 AM
Supervise By	mohammad	Supervise On	10/24/2024 1:59:24 AM
SubDirectory	BF102324	HP Acquire Method	BNA_F
		HP Processing Method	bf101824
STD. NAME	STD REF.#		
Tune/Reschk	SP6573		
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621		
CCC	SP6624		
Internal Standard/PEM	S12322,10ul/1000ul sample		
ICV/I.BLK	SP6559		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF139951.D	23 Oct 2024 08:52	RC/JU	Ok
2	SSTDCCC040	BF139952.D	23 Oct 2024 09:20	RC/JU	Ok,M
3	PB164020BL	BF139953.D	23 Oct 2024 09:48	RC/JU	Ok
4	PB164020BS	BF139954.D	23 Oct 2024 10:17	RC/JU	Ok,M
5	PB164237BL	BF139955.D	23 Oct 2024 10:45	RC/JU	Ok
6	PB164237BS	BF139956.D	23 Oct 2024 11:14	RC/JU	Ok,M
7	PB164208BL	BF139957.D	23 Oct 2024 11:42	RC/JU	Ok
8	PB164216BS	BF139958.D	23 Oct 2024 12:10	RC/JU	Ok,M
9	PB164123BS	BF139959.D	23 Oct 2024 12:39	RC/JU	Not Ok
10	PB164154BS	BF139960.D	23 Oct 2024 13:07	RC/JU	Ok,M
11	PB164154BSD	BF139961.D	23 Oct 2024 13:36	RC/JU	Ok,M
12	PB164286BL	BF139962.D	23 Oct 2024 14:04	RC/JU	Ok
13	PB164286BS	BF139963.D	23 Oct 2024 14:33	RC/JU	Ok,M
14	DFTPP	BF139964.D	23 Oct 2024 15:01	RC/JU	Ok
15	SSTDCCC040	BF139965.D	23 Oct 2024 15:30	RC/JU	Ok,M
16	PB164195TB	BF139966.D	23 Oct 2024 15:58	RC/JU	Ok
17	P4397-06	BF139967.D	23 Oct 2024 16:32	RC/JU	Ok
18	P4443-06DL	BF139968.D	23 Oct 2024 17:01	RC/JU	Ok,M
19	P4458-01	BF139969.D	23 Oct 2024 17:30	RC/JU	Ok,M
20	P4397-06MS	BF139970.D	23 Oct 2024 17:59	RC/JU	Ok,NR
21	P4397-06MSD	BF139971.D	23 Oct 2024 18:28	RC/JU	Ok,NR

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF102324

Review By	yogesh	Review On	10/24/2024 1:42:44 AM
Supervise By	mohammad	Supervise On	10/24/2024 1:59:24 AM
SubDirectory	BF102324	HP Acquire Method	BNA_F
		HP Processing Method	bf101824
STD. NAME	STD REF.#		
Tune/Reschk	SP6573		
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621		
CCC	SP6624		
Internal Standard/PEM	S12322,10ul/1000ul sample		
ICV/I.BLK	SP6559		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	P4472-04	BF139972.D	23 Oct 2024 18:56	RC/JU	Ok
23	P4468-06	BF139973.D	23 Oct 2024 19:25	RC/JU	Ok
24	P4468-04	BF139974.D	23 Oct 2024 19:54	RC/JU	Ok
25	P4397-04	BF139975.D	23 Oct 2024 20:22	RC/JU	Ok
26	P4397-02	BF139976.D	23 Oct 2024 20:51	RC/JU	Ok
27	P4397-02MS	BF139977.D	23 Oct 2024 21:20	RC/JU	Ok,NR
28	P4397-02MSD	BF139978.D	23 Oct 2024 21:49	RC/JU	Ok,NR
29	P4397-01	BF139979.D	23 Oct 2024 22:17	RC/JU	Ok,NR
30	P4468-05	BF139980.D	23 Oct 2024 22:46	RC/JU	Ok
31	P4472-01	BF139981.D	23 Oct 2024 23:14	RC/JU	Ok
32	P4385-20	BF139982.D	23 Oct 2024 23:43	RC/JU	Ok,NR
33	P4385-14	BF139983.D	24 Oct 2024 00:11	RC/JU	Ok
34	P4474-01	BF139984.D	24 Oct 2024 00:40	RC/JU	Ok
35	P4473-01	BF139985.D	24 Oct 2024 01:08	RC/JU	Ok
36	P4489-01	BF139986.D	24 Oct 2024 01:37	RC/JU	Dilution
37	P4486-01	BF139987.D	24 Oct 2024 02:06	RC/JU	Ok,NR
38	P4468-03	BF139988.D	24 Oct 2024 02:34	RC/JU	Ok,NR

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF101824

Review By	yogesh	Review On	10/21/2024 6:34:01 AM
Supervise By	mohammad	Supervise On	10/21/2024 6:38:35 AM
SubDirectory	BF101824	HP Acquire Method	BNA_F
		HP Processing Method	bf101824

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12322,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF139843.D	18 Oct 2024 09:22		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF139844.D	18 Oct 2024 10:27		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF139845.D	18 Oct 2024 10:55	Compound #9,32,54,65,85 removed from 5 ppm	RC/JU	Ok
4	SSTDICC010	SSTDICC010	BF139846.D	18 Oct 2024 11:23		RC/JU	Ok
5	SSTDICC020	SSTDICC020	BF139847.D	18 Oct 2024 11:52	Compound #54 Kept on LR	RC/JU	Ok
6	SSTDICCC040	SSTDICCC040	BF139848.D	18 Oct 2024 12:20	The Calibration is Good For 8270 DOD Except com#77 and good for 625.1 Method	RC/JU	Ok,M
7	SSTDICC050	SSTDICC050	BF139849.D	18 Oct 2024 12:49	Com#77(Benzidine) Failed in the calibration for both DOD and NON-DOD	RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BF139850.D	18 Oct 2024 13:17		RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BF139851.D	18 Oct 2024 13:46		RC/JU	Ok,M
10	SSTDICV040	SSTDICV040	BF139852.D	18 Oct 2024 14:19		RC/JU	Ok,M
11	PB164211BL	PB164211BL	BF139853.D	18 Oct 2024 14:48		RC/JU	Ok
12	P4405-01	MH-121	BF139854.D	18 Oct 2024 15:21		RC/JU	Ok
13	P4431-01	72-11934	BF139855.D	18 Oct 2024 15:50		RC/JU	Ok,M
14	P4421-01	EO-02-101624	BF139856.D	18 Oct 2024 16:18		RC/JU	Ok,M
15	P4422-01	EO-01-101624	BF139857.D	18 Oct 2024 16:46		RC/JU	Ok
16	P4425-01	TP-1	BF139858.D	18 Oct 2024 17:15		RC/JU	Ok

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF101824

Review By	yogesh	Review On	10/21/2024 6:34:01 AM		
Supervise By	mohammad	Supervise On	10/21/2024 6:38:35 AM		
SubDirectory	BF101824	HP Acquire Method	BNA_F	HP Processing Method	bf101824
STD. NAME		STD REF.#			
Tune/Reschk		SP6573			
Initial Calibration Stds		SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621			
CCC		SP6624			
Internal Standard/PEM		S12322,10ul/1000ul sample			
ICV/I.BLK		SP6559			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

17	P4425-03	TP-2	BF139859.D	18 Oct 2024 17:44		RC/JU	Ok
18	P4425-05	TP-3	BF139860.D	18 Oct 2024 18:12		RC/JU	Ok
19	P4425-07	TP-4	BF139861.D	18 Oct 2024 18:41	Internal Standrad Fail	RC/JU	ReRun
20	P4425-09	TP-5	BF139862.D	18 Oct 2024 19:09	Internal Standrad Fail	RC/JU	ReRun
21	P4426-03	PAD-2	BF139863.D	18 Oct 2024 19:37	Internal Standrad Fail	RC/JU	ReRun
22	P4426-07	PAD-4	BF139864.D	18 Oct 2024 20:05	Internal Standrad Fail	RC/JU	ReRun
23	P4426-17	PAD-9	BF139865.D	18 Oct 2024 20:34	Internal Standard Fail	RC/JU	ReRun
24	P4426-11	PAD-6	BF139866.D	18 Oct 2024 21:02	Internal Standard Fail	RC/JU	ReRun

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF102124

Review By	yogesh	Review On	10/22/2024 4:38:40 AM
Supervise By	mohammad	Supervise On	10/23/2024 4:28:27 AM
SubDirectory	BF102124	HP Acquire Method	BNA_F
		HP Processing Method	bf101824

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12322,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF139891.D	21 Oct 2024 09:28		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF139892.D	21 Oct 2024 09:57		RC/JU	Ok,M
3	PB164123BL	PB164123BL	BF139893.D	21 Oct 2024 10:25		RC/JU	Ok
4	P4430-01	VNJ-209	BF139894.D	21 Oct 2024 10:58		RC/JU	Ok
5	P4425-07	TP-4	BF139895.D	21 Oct 2024 11:27		RC/JU	Ok
6	P4425-09	TP-5	BF139896.D	21 Oct 2024 11:55		RC/JU	Ok
7	P4426-03	PAD-2	BF139897.D	21 Oct 2024 12:24		RC/JU	Ok
8	P4426-07	PAD-4	BF139898.D	21 Oct 2024 12:52		RC/JU	Ok
9	P4426-17	PAD-9	BF139899.D	21 Oct 2024 13:20		RC/JU	Ok
10	P4426-11	PAD-6	BF139900.D	21 Oct 2024 13:49		RC/JU	Ok
11	P4396-01RE	WASTE-WATER-FRAC	BF139901.D	21 Oct 2024 14:18	Fax is already given	RC/JU	Confirms
12	P4385-06MS	SP-3MS	BF139902.D	21 Oct 2024 14:47		RC/JU	Ok,M
13	P4385-06MSD	SP-3MSD	BF139903.D	21 Oct 2024 15:15		RC/JU	Ok,M
14	P4403-01RE	Hawthorne TP SoilRE	BF139904.D	21 Oct 2024 15:44	Fax is already given	RC/JU	Confirms
15	P4410-01RE	TR-04-101524RE	BF139905.D	21 Oct 2024 16:12	Fax is already given	RC/JU	Confirms
16	P4410-01MS	TR-04-101524MS	BF139906.D	21 Oct 2024 16:42		RC/JU	Ok,M
17	P4410-01MSD	TR-04-101524MSD	BF139907.D	21 Oct 2024 17:11		RC/JU	Ok,M
18	P4395-01RE	F05308-SOLIDRE	BF139908.D	21 Oct 2024 17:39	Fax is already given	RC/JU	Confirms

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF102124

Review By	yogesh	Review On	10/22/2024 4:38:40 AM		
Supervise By	mohammad	Supervise On	10/23/2024 4:28:27 AM		
SubDirectory	BF102124	HP Acquire Method	BNA_F	HP Processing Method	bf101824
STD. NAME		STD REF.#			
Tune/Reschk		SP6573			
Initial Calibration Stds		SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621			
CCC		SP6624			
Internal Standard/PEM		S12322,10ul/1000ul sample			
ICV/I.BLK		SP6559			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

19	P4400-01RE	NB-08-101424RE	BF139909.D	21 Oct 2024 18:08	Fax is already given	RC/JU	Confirms
20	P4401-01RE	SU-03-101424RE	BF139910.D	21 Oct 2024 18:37	Fax is already given	RC/JU	Confirms
21	P4406-01RE	OK-02-101524RE	BF139911.D	21 Oct 2024 19:06	Fax is already given	RC/JU	Confirms
22	P4419-01	IB-1	BF139912.D	21 Oct 2024 19:34		RC/JU	Ok,M
23	P4419-01MS	IB-1MS	BF139913.D	21 Oct 2024 20:03		RC/JU	Ok,M
24	P4419-01MSD	IB-1MSD	BF139914.D	21 Oct 2024 20:32		RC/JU	Ok,M
25	P4455-01	SU-4-101824	BF139915.D	21 Oct 2024 21:01		RC/JU	Ok,M

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF102224

Review By	Jagrut	Review On	10/23/2024 2:28:42 PM
Supervise By	mohammad	Supervise On	10/24/2024 1:59:10 AM
SubDirectory	BF102224	HP Acquire Method	BNA_F
		HP Processing Method	bf101824

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12322,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF139916.D	22 Oct 2024 09:11		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF139917.D	22 Oct 2024 09:39		RC/JU	Ok,M
3	PB164152BL	PB164152BL	BF139918.D	22 Oct 2024 10:07		RC/JU	Ok
4	PB164152BS	PB164152BS	BF139919.D	22 Oct 2024 10:36		RC/JU	Ok,M
5	PB164071BL	PB164071BL	BF139920.D	22 Oct 2024 11:05		RC/JU	Ok
6	PB164071BS	PB164071BS	BF139921.D	22 Oct 2024 11:34		RC/JU	Ok,M
7	PB164176BL	PB164176BL	BF139922.D	22 Oct 2024 12:03		RC/JU	Ok
8	PB164176BS	PB164176BS	BF139923.D	22 Oct 2024 12:32		RC/JU	Ok,M
9	PB164246BL	PB164246BL	BF139924.D	22 Oct 2024 13:01		RC/JU	Ok
10	PB164246BS	PB164246BS	BF139925.D	22 Oct 2024 13:31		RC/JU	Ok,M
11	DFTPP	DFTPP	BF139926.D	22 Oct 2024 14:00		RC/JU	Ok
12	SSTDCCC040	SSTDCCC040	BF139927.D	22 Oct 2024 14:28		RC/JU	Ok,M
13	PB164154BL	PB164154BL	BF139928.D	22 Oct 2024 14:58		RC/JU	Ok
14	P4452-01	ETGI-285	BF139929.D	22 Oct 2024 15:32		RC/JU	Ok
15	P4419-04	IB-1	BF139930.D	22 Oct 2024 16:01		RC/JU	Ok
16	P4419-04MS	IB-1MS	BF139931.D	22 Oct 2024 16:30		RC/JU	Ok,M
17	P4419-04MSD	IB-1MSD	BF139932.D	22 Oct 2024 16:59		RC/JU	Ok,M
18	P4458-02	280517	BF139933.D	22 Oct 2024 17:29		RC/JU	Ok

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF102224

Review By	Jagrut	Review On	10/23/2024 2:28:42 PM		
Supervise By	mohammad	Supervise On	10/24/2024 1:59:10 AM		
SubDirectory	BF102224	HP Acquire Method	BNA_F	HP Processing Method	bf101824
STD. NAME		STD REF.#			
Tune/Reschk		SP6573			
Initial Calibration Stds		SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621			
CCC		SP6624			
Internal Standard/PEM		S12322,10ul/1000ul sample			
ICV/I.BLK		SP6559			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

19	P4443-05	OG-315-HR-502-COMF	BF139934.D	22 Oct 2024 17:58		RC/JU	Ok
20	P4443-10	OG-315-HR-502-COMF	BF139935.D	22 Oct 2024 18:27		RC/JU	Ok
21	P4385-08	SP-4	BF139936.D	22 Oct 2024 18:56		RC/JU	Ok
22	P4385-04	SP-2	BF139937.D	22 Oct 2024 19:25		RC/JU	Ok
23	P4385-06	SP-3	BF139938.D	22 Oct 2024 19:54		RC/JU	Ok
24	P4403-01MSD	Hawthorne TP SoilMSD	BF139939.D	22 Oct 2024 20:22		RC/JU	Ok,M
25	P4403-01MS	Hawthorne TP SoilMS	BF139940.D	22 Oct 2024 20:51		RC/JU	Ok,M
26	P4385-02	SP-1	BF139941.D	22 Oct 2024 21:20		RC/JU	Ok
27	P4456-01	PAD-10182024	BF139942.D	22 Oct 2024 21:49	Internal Standrad Fail	RC/JU	Ok
28	P4431-01MS	72-11934MS	BF139943.D	22 Oct 2024 22:17		RC/JU	Ok,M
29	P4431-01MSD	72-11934MSD	BF139944.D	22 Oct 2024 22:46		RC/JU	Ok,M
30	P4385-16	SP-8	BF139945.D	22 Oct 2024 23:14		RC/JU	Ok
31	P4385-18	SP-9	BF139946.D	22 Oct 2024 23:43		RC/JU	Ok
32	P4385-12	SP-6	BF139947.D	23 Oct 2024 00:11		RC/JU	Ok
33	P4443-01	OG-315-HR-502-COMF	BF139948.D	23 Oct 2024 00:40		RC/JU	Ok,M
34	P4385-10	SP-5	BF139949.D	23 Oct 2024 01:08		RC/JU	Ok
35	P4443-06	OG-315-HR-502-COMF	BF139950.D	23 Oct 2024 01:36	Need further 5X Dilution	RC/JU	Dilution

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF102324

Review By	yogesh	Review On	10/24/2024 1:42:44 AM
Supervise By	mohammad	Supervise On	10/24/2024 1:59:24 AM
SubDirectory	BF102324	HP Acquire Method	BNA_F
		HP Processing Method	bf101824

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12322,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF139951.D	23 Oct 2024 08:52		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF139952.D	23 Oct 2024 09:20	CCC fail high side for com. #54,65 and #77	RC/JU	Ok,M
3	PB164020BL	PB164020BL	BF139953.D	23 Oct 2024 09:48		RC/JU	Ok
4	PB164020BS	PB164020BS	BF139954.D	23 Oct 2024 10:17		RC/JU	Ok,M
5	PB164237BL	PB164237BL	BF139955.D	23 Oct 2024 10:45		RC/JU	Ok
6	PB164237BS	PB164237BS	BF139956.D	23 Oct 2024 11:14		RC/JU	Ok,M
7	PB164208BL	PB164208BL	BF139957.D	23 Oct 2024 11:42		RC/JU	Ok
8	PB164216BS	PB164216BS	BF139958.D	23 Oct 2024 12:10		RC/JU	Ok,M
9	PB164123BS	PB164123BS	BF139959.D	23 Oct 2024 12:39	Recovery fail high for compound #52,90	RC/JU	Not Ok
10	PB164154BS	PB164154BS	BF139960.D	23 Oct 2024 13:07		RC/JU	Ok,M
11	PB164154BSD	PB164154BSD	BF139961.D	23 Oct 2024 13:36		RC/JU	Ok,M
12	PB164286BL	PB164286BL	BF139962.D	23 Oct 2024 14:04		RC/JU	Ok
13	PB164286BS	PB164286BS	BF139963.D	23 Oct 2024 14:33		RC/JU	Ok,M
14	DFTPP	DFTPP	BF139964.D	23 Oct 2024 15:01		RC/JU	Ok
15	SSTDCCC040	SSTDCCC040	BF139965.D	23 Oct 2024 15:30	CCC fail high side for com. #54,65 and #77	RC/JU	Ok,M
16	PB164195TB	PB164195TB	BF139966.D	23 Oct 2024 15:58		RC/JU	Ok
17	P4397-06	WB-301-BOT	BF139967.D	23 Oct 2024 16:32		RC/JU	Ok

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF102324

Review By	yogesh	Review On	10/24/2024 1:42:44 AM
Supervise By	mohammad	Supervise On	10/24/2024 1:59:24 AM
SubDirectory	BF102324	HP Acquire Method	BNA_F
		HP Processing Method	bf101824

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12322,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	P4443-06DL	OG-315-HR-502-COMF	BF139968.D	23 Oct 2024 17:01		RC/JU	Ok,M
19	P4458-01	280517	BF139969.D	23 Oct 2024 17:30		RC/JU	Ok,M
20	P4397-06MS	WB-301-BOTMS	BF139970.D	23 Oct 2024 17:59		RC/JU	Ok,NR
21	P4397-06MSD	WB-301-BOTMSD	BF139971.D	23 Oct 2024 18:28		RC/JU	Ok,NR
22	P4472-04	BP-F-28	BF139972.D	23 Oct 2024 18:56		RC/JU	Ok
23	P4468-06	ETGI-345	BF139973.D	23 Oct 2024 19:25		RC/JU	Ok
24	P4468-04	ETGI-329	BF139974.D	23 Oct 2024 19:54		RC/JU	Ok
25	P4397-04	WB-301-SW	BF139975.D	23 Oct 2024 20:22		RC/JU	Ok
26	P4397-02	WB-301-BOT	BF139976.D	23 Oct 2024 20:51		RC/JU	Ok
27	P4397-02MS	WB-301-BOTMS	BF139977.D	23 Oct 2024 21:20		RC/JU	Ok,NR
28	P4397-02MSD	WB-301-BOTMSD	BF139978.D	23 Oct 2024 21:49		RC/JU	Ok,NR
29	P4397-01	WB-301-TOP	BF139979.D	23 Oct 2024 22:17		RC/JU	Ok,NR
30	P4468-05	ETGI-345	BF139980.D	23 Oct 2024 22:46		RC/JU	Ok
31	P4472-01	BP-F-28	BF139981.D	23 Oct 2024 23:14		RC/JU	Ok
32	P4385-20	SP-10	BF139982.D	23 Oct 2024 23:43		RC/JU	Ok,NR
33	P4385-14	SP-7	BF139983.D	24 Oct 2024 00:11		RC/JU	Ok
34	P4474-01	TS-2	BF139984.D	24 Oct 2024 00:40		RC/JU	Ok
35	P4473-01	TS-1	BF139985.D	24 Oct 2024 01:08		RC/JU	Ok
36	P4489-01	RT-2675	BF139986.D	24 Oct 2024 01:37	Internal Standrad Fail, Need 5X Dilution	RC/JU	Dilution

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF102324

Review By	yogesh	Review On	10/24/2024 1:42:44 AM		
Supervise By	mohammad	Supervise On	10/24/2024 1:59:24 AM		
SubDirectory	BF102324	HP Acquire Method	BNA_F	HP Processing Method	bf101824

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12322,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

37	P4486-01	EO-03-102224	BF139987.D	24 Oct 2024 02:06		RC/JU	Ok,NR
38	P4468-03	ETGI-329	BF139988.D	24 Oct 2024 02:34		RC/JU	Ok,NR

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/11/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 10/10/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:18
Out Date: 10/11/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB132870

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
P4375-01	CONCRETE-PADS-1	1	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
P4375-03	CONCRETE-PADS-2	2	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
P4375-05	CONCRETE-PADS-3	3	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
P4375-07	CONCRETE-PADS-4	4	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
P4375-09	CONCRETE-PADS-5	5	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
P4375-11	CONCRETE-PADS-6	6	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
P4375-13	CONCRETE-PADS-7	7	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
P4375-15	CONCRETE-PADS-8	8	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
P4375-17	CONCRETE-PADS-9	9	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
P4375-19	CONCRETE-PADS-10	10	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
P4375-21	CONCRETE-PADS-11	11	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
P4375-23	FENCE-POST-1	12	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
P4375-25	FENCE-POST-2	13	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
P4375-27	FENCE-POST-3	14	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
P4376-01	OR-02-100924	15	1.18	8.51	9.69	9.25	94.8	
P4376-02	OR-02-100924-E2	16	1.18	8.51	9.69	9.07	92.7	
P4377-01	HD-01-100924	17	1.17	8.53	9.7	8.9	90.6	
P4377-02	HD-01-100924-E2	18	1.15	8.83	9.98	9.03	89.2	
P4381-01	AT030P-SD04-100724-00	19	1.15	8.79	9.94	4.03	32.8	
P4381-02	AT030P-SD01-100724-00	20	1.15	8.70	9.85	8.44	83.8	
P4381-03	AT030P-SD02-100724-00	21	1.16	8.51	9.67	3.62	28.9	
P4383-01	34828	22	1.00	1.00	2.00	2.00	100.0	wipe sample
P4383-02	34829	23	1.00	1.00	2.00	2.00	100.0	wipe sample
P4383-03	34830	24	1.00	1.00	2.00	2.00	100.0	wipe sample
P4385-01	SP-1	25	1.17	8.60	9.77	9.15	92.8	
P4385-02	SP-1	26	1.14	8.48	9.62	9.06	93.4	
P4385-03	SP-2	27	1.15	8.41	9.56	9.09	94.4	
P4385-04	SP-2	28	1.18	8.39	9.57	9.15	95.0	



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/11/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 10/10/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:18
Out Date: 10/11/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB132870

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
P4385-05	SP-3	29	1.18	8.50	9.68	9.35	96.1	
P4385-06	SP-3	30	1.15	8.64	9.79	9.28	94.1	
P4385-07	SP-4	31	1.14	8.43	9.57	9.44	98.5	
P4385-08	SP-4	32	1.19	8.44	9.63	9.55	99.1	
P4385-09	SP-5	33	1.15	8.68	9.83	9.28	93.7	
P4385-10	SP-5	34	1.15	8.51	9.66	9.1	93.4	
P4385-11	SP-6	35	1.14	8.44	9.58	9.04	93.6	
P4385-12	SP-6	36	1.17	8.53	9.7	9.1	93.0	
P4385-13	SP-7	37	1.12	8.73	9.85	9.31	93.8	
P4385-14	SP-7	38	1.18	8.77	9.95	9.41	93.8	
P4385-15	SP-8	39	1.18	8.62	9.8	9.32	94.4	
P4385-16	SP-8	40	1.17	8.46	9.63	9.15	94.3	
P4385-17	SP-9	41	1.15	8.61	9.76	9.19	93.4	
P4385-18	SP-9	42	1.18	8.53	9.71	9.15	93.4	
P4385-19	SP-10	43	1.19	8.53	9.72	9.18	93.7	
P4385-20	SP-10	44	1.18	8.55	9.73	9.25	94.4	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

132870

WorkList Name : %1-101024 WorkList ID : 184301 Department : Wet-Chemistry Date : 10-10-2024 08:32:00

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4375-01	CONCRETE-PADS-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K21	10/09/2024	Chemtech -SO
P4375-03	CONCRETE-PADS-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K21	10/09/2024	Chemtech -SO
P4375-05	CONCRETE-PADS-3	Solid	Percent Solids	Cool 4 deg C	PSEG03	K21	10/09/2024	Chemtech -SO
P4375-07	CONCRETE-PADS-4	Solid	Percent Solids	Cool 4 deg C	PSEG03	K21	10/09/2024	Chemtech -SO
P4375-09	CONCRETE-PADS-5	Solid	Percent Solids	Cool 4 deg C	PSEG03	K21	10/09/2024	Chemtech -SO
P4375-11	CONCRETE-PADS-6	Solid	Percent Solids	Cool 4 deg C	PSEG03	K21	10/09/2024	Chemtech -SO
P4375-13	CONCRETE-PADS-7	Solid	Percent Solids	Cool 4 deg C	PSEG03	K21	10/09/2024	Chemtech -SO
P4375-15	CONCRETE-PADS-8	Solid	Percent Solids	Cool 4 deg C	PSEG03	K21	10/09/2024	Chemtech -SO
P4375-17	CONCRETE-PADS-9	Solid	Percent Solids	Cool 4 deg C	PSEG03	K21	10/09/2024	Chemtech -SO
P4375-19	CONCRETE-PADS-10	Solid	Percent Solids	Cool 4 deg C	PSEG03	K21	10/09/2024	Chemtech -SO
P4375-21	CONCRETE-PADS-11	Solid	Percent Solids	Cool 4 deg C	PSEG03	K21	10/09/2024	Chemtech -SO
P4375-23	FENCE-POST-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K21	10/09/2024	Chemtech -SO
P4375-25	FENCE-POST-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K21	10/09/2024	Chemtech -SO
P4375-27	FENCE-POST-3	Solid	Percent Solids	Cool 4 deg C	PSEG03	K21	10/09/2024	Chemtech -SO
P4376-01	OR-02-100924	Solid	Percent Solids	Cool 4 deg C	PSEG05	K21	10/09/2024	Chemtech -SO
P4376-02	OR-02-100924-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	K21	10/09/2024	Chemtech -SO
P4377-01	HD-01-100924	Solid	Percent Solids	Cool 4 deg C	PSEG05	K21	10/09/2024	Chemtech -SO
P4377-02	HD-01-100924-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	K21	10/09/2024	Chemtech -SO
P4381-01	AT030P-SD04-100724-00	Solid	Percent Solids	Cool 4 deg C	WEST04	K22	10/07/2024	Chemtech -SO
P4381-02	AT030P-SD01-100724-00	Solid	Percent Solids	Cool 4 deg C	WEST04	K22	10/07/2024	Chemtech -SO
P4381-03	AT030P-SD02-100724-00	Solid	Percent Solids	Cool 4 deg C	WEST04	K22	10/07/2024	Chemtech -SO

Date/Time 10/10/24 15:30 Date/Time 10/10/24 17:20
 Raw Sample Received by: JWC Raw Sample Received by: JDCSM
 Raw Sample Relinquished by: JWC Raw Sample Relinquished by: JWC

WORKLIST(Hardcopy Internal Chain)

132870

WorkList Name : %1-101024 WorkList ID : 184301 Department : Wet-Chemistry Date : 10-10-2024 08:32:00

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4383-01	34828	Solid	Percent Solids	Cool 4 deg C	PSEG03	K23	10/10/2024	Chemtech -SO
P4383-02	34829	Solid	Percent Solids	Cool 4 deg C	PSEG03	K23	10/10/2024	Chemtech -SO
P4383-03	34830	Solid	Percent Solids	Cool 4 deg C	PSEG03	K23	10/10/2024	Chemtech -SO
P4385-01	SP-1	Solid	Percent Solids	Cool 4 deg C	SCHE03	K51	10/10/2024	Chemtech -SO
P4385-02	SP-1	Solid	Percent Solids	Cool 4 deg C	SCHE03	K51	10/10/2024	Chemtech -SO
P4385-03	SP-2	Solid	Percent Solids	Cool 4 deg C	SCHE03	K51	10/10/2024	Chemtech -SO
P4385-04	SP-2	Solid	Percent Solids	Cool 4 deg C	SCHE03	K51	10/10/2024	Chemtech -SO
P4385-05	SP-3	Solid	Percent Solids	Cool 4 deg C	SCHE03	K51	10/10/2024	Chemtech -SO
P4385-06	SP-3	Solid	Percent Solids	Cool 4 deg C	SCHE03	K51	10/10/2024	Chemtech -SO
P4385-07	SP-4	Solid	Percent Solids	Cool 4 deg C	SCHE03	K51	10/10/2024	Chemtech -SO
P4385-08	SP-4	Solid	Percent Solids	Cool 4 deg C	SCHE03	K51	10/10/2024	Chemtech -SO
P4385-09	SP-5	Solid	Percent Solids	Cool 4 deg C	SCHE03	K51	10/10/2024	Chemtech -SO
P4385-10	SP-5	Solid	Percent Solids	Cool 4 deg C	SCHE03	K51	10/10/2024	Chemtech -SO
P4385-11	SP-6	Solid	Percent Solids	Cool 4 deg C	SCHE03	K51	10/10/2024	Chemtech -SO
P4385-12	SP-6	Solid	Percent Solids	Cool 4 deg C	SCHE03	K51	10/10/2024	Chemtech -SO
P4385-13	SP-7	Solid	Percent Solids	Cool 4 deg C	SCHE03	K51	10/10/2024	Chemtech -SO
P4385-14	SP-7	Solid	Percent Solids	Cool 4 deg C	SCHE03	K51	10/10/2024	Chemtech -SO
P4385-15	SP-8	Solid	Percent Solids	Cool 4 deg C	SCHE03	K51	10/10/2024	Chemtech -SO
P4385-16	SP-8	Solid	Percent Solids	Cool 4 deg C	SCHE03	K51	10/10/2024	Chemtech -SO
P4385-17	SP-9	Solid	Percent Solids	Cool 4 deg C	SCHE03	K51	10/10/2024	Chemtech -SO
P4385-18	SP-9	Solid	Percent Solids	Cool 4 deg C	SCHE03	K51	10/10/2024	Chemtech -SO

Date/Time 10/10/24 15:30
Raw Sample Received by: [Signature]
Raw Sample Relinquished by: [Signature]

Date/Time 10/10/24 17:20
Raw Sample Received by: [Signature]
Raw Sample Relinquished by: [Signature]

WORKLIST(Hardcopy Internal Chain)

✓ 132870

WorkList Name : %1-101024 WorkList ID : 184301 Department : Wet-Chemistry Date : 10-10-2024 08:32:00

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4385-19	SP-10	Solid	Percent Solids	Cool 4 deg C	SCHE03	K51	10/10/2024	Chemtech -SO
P4385-20	SP-10	Solid	Percent Solids	Cool 4 deg C	SCHE03	K51	10/10/2024	Chemtech -SO

Date/Time 10/10/24 15:30
Raw Sample Received by: JDCSM
Raw Sample Relinquished by: JDCSM

Date/Time 10/10/24 17:20
Raw Sample Received by: JDCSM
Raw Sample Relinquished by: JDCSM

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: N/A

Extraction Start Date : 10/11/2024

Matrix : Solid

Extraction Start Time : 09:38

Weigh By: EH

Extraction By: RJ

Extraction End Date : 10/11/2024

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: ☐ Seperatory 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	SP6630
Surrogate	1.0ML	100/150 PPM	SP6524
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	EP2538
Baked Na2SO4	N/A	EP2543
Sand	N/A	E2865
Methylene Chloride	N/A	E3817
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

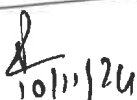
Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/11/24	RP (Ept. Lab)	AC/SJOC
13:00	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 10/11/2024

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB164071BL	SBLK071	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1			U1-1
PB164071BS	SLCS071	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1			2
P4258-03	CHAMBERLAIN AVE	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1	A		3
P4385-02	SP-1	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1	B		4
P4385-04	SP-2	SVOC-TCL BNA -20	30.07	N/A	ritesh	Evelyn	1	B		5
P4385-06	SP-3	SVOC-TCL BNA -20	30.06	N/A	ritesh	Evelyn	1	B		6
P4385-06MS	SP-3MS	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1	B		U5-1
P4385-06MS D	SP-3MSD	SVOC-TCL BNA -20	30.05	N/A	ritesh	Evelyn	1	B		2
P4385-08	SP-4	SVOC-TCL BNA -20	30.04	N/A	ritesh	Evelyn	1	B		3
P4385-10	SP-5	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1	B		4
P4385-12	SP-6	SVOC-TCL BNA -20	30.09	N/A	ritesh	Evelyn	1	B		5
P4385-14	SP-7	SVOC-TCL BNA -20	30.06	N/A	ritesh	Evelyn	1	B		6
P4385-16	SP-8	SVOC-TCL BNA -20	30.07	N/A	ritesh	Evelyn	1	B		U7-1
P4385-18	SP-9	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1	B		2
P4385-20	SP-10	SVOC-TCL BNA -20	30.08	N/A	ritesh	Evelyn	1	B		3

* Extracts relinquished on the same date as received.



WORKLIST(Hardcopy Internal Chain)

WorkList Name : P4385 WorkList ID : 184330 Department : Extraction Date : 10-11-2024 08:05:23

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4258-03	Chamberlain Ave	Solid	SVOC-TCL BNA -20	Cool 4 deg C	ROMA02	K21	10/01/2024	8270E
P4385-02	SP-1	Solid	SVOC-TCL BNA -20	Cool 4 deg C	SCHE03	K51	10/10/2024	8270E
P4385-04	SP-2	Solid	SVOC-TCL BNA -20	Cool 4 deg C	SCHE03	K51	10/10/2024	8270E
P4385-06	SP-3	Solid	SVOC-TCL BNA -20	Cool 4 deg C	SCHE03	K51	10/10/2024	8270E
P4385-08	SP-4	Solid	SVOC-TCL BNA -20	Cool 4 deg C	SCHE03	K51	10/10/2024	8270E
P4385-10	SP-5	Solid	SVOC-TCL BNA -20	Cool 4 deg C	SCHE03	K51	10/10/2024	8270E
P4385-12	SP-6	Solid	SVOC-TCL BNA -20	Cool 4 deg C	SCHE03	K51	10/10/2024	8270E
P4385-14	SP-7	Solid	SVOC-TCL BNA -20	Cool 4 deg C	SCHE03	K51	10/10/2024	8270E
P4385-16	SP-8	Solid	SVOC-TCL BNA -20	Cool 4 deg C	SCHE03	K51	10/10/2024	8270E
P4385-18	SP-9	Solid	SVOC-TCL BNA -20	Cool 4 deg C	SCHE03	K51	10/10/2024	8270E
P4385-20	SP-10	Solid	SVOC-TCL BNA -20	Cool 4 deg C	SCHE03	K51	10/10/2024	8270E

Date/Time 10/11/24 9:35 Date/Time 10/11/24 10:00
 Raw Sample Received by: RJ (Ext Lab) Raw Sample Received by: JDCSM
 Raw Sample Relinquished by: JDCSM Raw Sample Relinquished by: RJ (Ext Lab)



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

P4385
2042012

CLIENT INFORMATION

COMPANY: ~~PSEG~~ ^{REPORT TO BE SENT TO:} Scheideler Excavating

ADDRESS: Briar Way

CITY: Monroe STATE: NJ ZIP:

ATTENTION: Jim Scheideler

PHONE:

FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Scheideler Excavating

PROJECT NO.: LOCATION:

PROJECT MANAGER: Jim Scheideler

e-mail:

PHONE:

FAX:

CLIENT BILLING INFORMATION

BILL TO:

PO#:

ADDRESS:

CITY

STATE:

ZIP:

ATTENTION:

PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*

HARDCOPY (DATA PACKAGE): _____ DAYS*

EDD: _____ DAYS*

*TO BE APPROVED BY CHEMTECH

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS 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 _____

1 TCL VOC 2 Cyanide 3 PCB 4 Pesticide 5 SVOC-TA BNA 20 6 Herbicide 7 Hex Chrom 8 Tri Chrom 9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS	
			COMP	GRAB	DATE	TIME		E/P	E	E	E	E	E	E	E	E	← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER	
1.	SP-1	Soil		X	10.10.24	1111	4	X									0.0ppm	
2.	SP-1		X			1115	3		X	X	X	X	X	X	X	X		
3.	SP-2			X		1124	4	X										
4.	SP-2		X			1130	3		X	X	X	X	X	X	X	X		
5.	SP-3			X		1142	4	X										
6.	SP-3		X			1150	3		X	X	X	X	X	X	X	X		
7.	SP-4			X		1159	4	X										
8.	SP-4		X			1207	3		X	X	X	X	X	X	X	X		
9.	SP-5			X		1216	4	X										
10.	SP-5		X			1222	3		X	X	X	X	X	X	X	X		

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. JT	DATE/TIME: 1335 10.10.24	RECEIVED BY: 1. [Signature]	Conditions of bottles or coolers at receipt: ☒ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP: 3.6 °C
RELINQUISHED BY SAMPLER: 2. [Signature]	DATE/TIME:	RECEIVED BY: 2. [Signature]	Comments:
RELINQUISHED BY SAMPLER: 3. JT	DATE/TIME: 1500 10.10.24	RECEIVED BY: 3. [Signature]	Page ____ of ____

CLIENT: ☐ Hand Delivered ☐ Other _____
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete
☐ YES ☐ NO

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

P4385

2042011

CLIENT INFORMATION

COMPANY: Scheideler Excavating

ADDRESS: Briar Way

CITY: Monroe STATE: NJ ZIP:

ATTENTION: Jim Scheideler

PHONE:

FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Scheideler Excavating

PROJECT NO.: LOCATION:

PROJECT MANAGER: Jim Scheideler

e-mail:

PHONE:

FAX:

CLIENT BILLING INFORMATION

BILL TO:

PO#:

ADDRESS:

CITY

STATE:

ZIP:

ATTENTION:

PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*

HARDCOPY (DATA PACKAGE): _____ DAYS*

EDD: _____ DAYS*

*TO BE APPROVED BY CHEMTECH

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS 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 _____

1 TCL VOC
2 Cyanide
3 PCB
4 Pesticide
5 SVOC-TCL BWA 20
6 Herbicide
7 Hex chrom
8 Tri chrom
9

PRESERVATIVES

COMMENTS

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS
			COMP	GRAB	DATE	TIME		E/P	E	E	E	E	E	E	E	E	
1.	SP-6	soil		x	10/10/24	1230	4	x									0.0 ppm
2.	SP-6		x			1238	3		x	x	x	x	x	x	x	x	
3.	SP-7			x		1249	4	x									
4.	SP-7		x			1255	3		x	x	x	x	x	x	x	x	
5.	SP-8			x		1303	4	x									
6.	SP-8		x			1310	3		x	x	x	x	x	x	x	x	
7.	SP-9			x		1318	4	x									
8.	SP-9		x			1323	3		x	x	x	x	x	x	x	x	
9.	SP-10			x		1330	4	x									
10.	SP-10		x			1335	3		x	x	x	x	x	x	x	x	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. JT	DATE/TIME: 1335 10.10.24	RECEIVED BY: 1. [Signature]	Conditions of bottles or coolers at receipt: ☒ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.6 °C
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.	Comments:
RELINQUISHED BY SAMPLER: 3. JT	DATE/TIME: 1500 10.10.24	RECEIVED BY: 3.	Page ____ of ____

CLIENT: ☐ Hand Delivered ☐ Other _____
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete
☐ YES ☐ NO

CHEMTECH

Environmental Laboratory

www.chemtech.net | EMAIL: PM@chemtech.net

Project Name: Scheideles
Excavating

Chemtech Order ID: _____
Sampler Name: IT

Service Order #: _____
Work Order #: _____

Client Project Coordinator & Phone:
Jim Scheideles

Labor WBS #: _____

Facility/Site: Briar Way

Page #: 1 of 1
Date: 10.10.24

Site Address: Briar Way

Arrive Time: 1100

Marroe Township NJ

Depart Time: 01335

Waste Stream (circle one): drum / roll-off / Soil pile in-situ / linear construction / frac-tank
Sample Matrices (circle all that apply): Water / Solid / NAPL / Concrete / Wipe

Collection Depths: NA

Temp (range): 3.6 °C PID Readings (range): 0.0 PPM Dimensions/CY: 150x80x18 ~ 8000 CY

Sample Description: Sandy soil, Hard Rock soil

Odor: Y (N) Color: Y (N)

Field Observations: 1 Large soil pile

Grid/Area Composite Map:

QA Control # A3041134

← Halsey Reed Rd

Height varied - Averaged to ~18ft

Free of vegetation

Covered in vegetation

Camp 1

Removed vegetation with excavator.

150ft

80ft

9

10

8

7

6

4

3

2

5

Sampler Signature: IT

Supervisor Review/Date: _____

Client Signature: _____

Date/Time Arrived at Lab: _____



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 (L-A-B)	L2219
Maine	2024021
Maryland	296
New Hampshire	255423
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488



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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P4385 SCHE03

Order Date : 10/10/2024 2:00:00 PM

Project Mgr :

Client Name : Scheideler Excavating Co. I

Project Name : Robbinsville

Report Type : Level 2

Client Contact : Jim Scheideler

Receive DateTime : 10/10/2024 12:00:00 AM

EDD Type : EXCEL NJCLEANUP

Invoice Name : Scheideler Excavating Co. I

Purchase Order :

Hard Copy Date :

Invoice Contact : Jim Scheideler

Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P4385-01	SP-1	Solid	10/10/2024	11:11	VOC-TCLVOA-10		8260D		10 Bus. Days
P4385-03	SP-2	Solid	10/10/2024	11:24	VOC-TCLVOA-10		8260D		10 Bus. Days
P4385-05	SP-3	Solid	10/10/2024	11:42	VOC-TCLVOA-10		8260D		10 Bus. Days
P4385-07	SP-4	Solid	10/10/2024	11:59	VOC-TCLVOA-10		8260D		10 Bus. Days
P4385-09	SP-5	Solid	10/10/2024	12:16	VOC-TCLVOA-10		8260D		10 Bus. Days
P4385-11	SP-6	Solid	10/10/2024	12:30	VOC-TCLVOA-10		8260D		10 Bus. Days
P4385-13	SP-7	Solid	10/10/2024	12:49	VOC-TCLVOA-10		8260D		10 Bus. Days
P4385-15	SP-8	Solid	10/10/2024	13:03	VOC-TCLVOA-10		8260D		10 Bus. Days

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P4385	SCHE03	Order Date : 10/10/2024 2:00:00 PM	Project Mgr :
Client Name : Scheideler Excavating Co. I		Project Name : Robbinsville	Report Type : Level 2
Client Contact : Jim Scheideler		Receive DateTime : 10/10/2024 12:00:00 AM	EDD Type : EXCEL NJCLEANUP
Invoice Name : Scheideler Excavating Co. I		Purchase Order : 15:00	Hard Copy Date :
Invoice Contact : Jim Scheideler			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P4385-17	SP-9	Solid	10/10/2024	13:18	VOC-TCLVOA-10		8260D	10 Bus. Days	
P4385-19	SP-10	Solid	10/10/2024	13:30	VOC-TCLVOA-10		8260D	10 Bus. Days	
					VOC-TCLVOA-10		8260D	10 Bus. Days	

Relinquished By : JT

Date / Time : 10/10/24 1515

Received By : Sam

Date / Time : 10/10/24 15:15

Storage Area : VOA Refridgerator Room